Index of Patents

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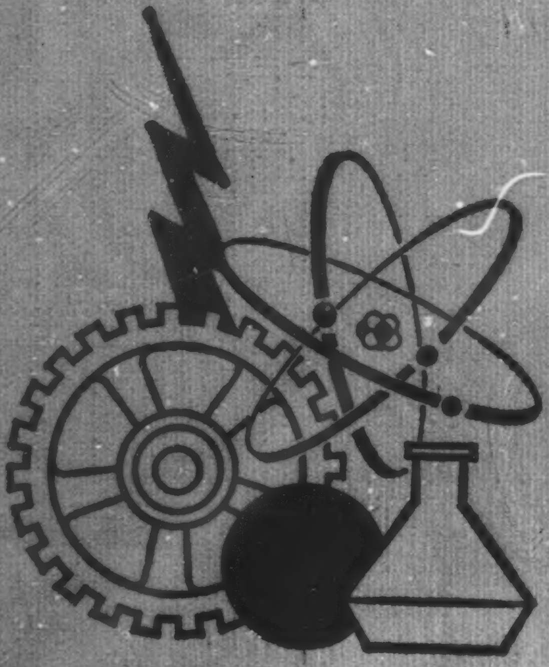
PART I
LIST OF PATENTEES



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1989

VOLUME 2
M–Z

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  - Fujiwara, Hitoshi; Hayakawa, Shotaro; and Lee, Takanobu, 4,823,033, Cl. 310-45.000.
  - Mabuchi, Kazuichi, 4,843,272, Cl. 310-239.000.
  - Matuda, Shinichi; Furuya, Kenji; and Kubo, Tetsuo, 4,837,473, Cl. 310-237.000.
  - Mayumi, Etsuo; Hoshino, Michio; and Kase, Mitsu, 4,806,811, Cl. 310-89.000.
  - Mayumi, Etsuo; and Hiromasa, Kunio, 4,853,576, Cl. 310-239.000.
  - Mayumi, Etuo; Fujiwara, Hitoshi; Hiromasa, Kunio; and Okada, Kazuo, 4,827,167, Cl. 310-89.000.
  - Okazaki, Akira; and Minami, Hiroshi, 4,831,312, Cl. 388-815.000.
  - Someya, Ryoichi; and Ikegami, Masakazu, 4,795,926, Cl. 310-90.000.
  - Suzuki, Satoshi; and Someya, Ryoichi, 4,798,984, Cl. 310-68.00C.
  - Tamura, Hideo; and Shibata, Hisashi, 4,833,357, Cl. 310-221.000.
  - Yamaguchi, Hitoshi, 4,881,002, Cl. 310-261.000.
- Mabuchi, Sadao: *See—*
  - Takamiya, Kikuzo; Mabuchi, Sadao; and Inoue, Kazuhiro, 4,838,122, Cl. 74-781.00B.
- Mabuchi, Tsutomu: *See—*
  - Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, 4,863,504, Cl. 71-92.000.
- Mabuchi, Yoshihiro: *See—*
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  - Fujiwara, Hitoshi, 4,853,568, Cl. 310-68.00C.
- Mac Company, Ltd.: *See—*
  - Kurosawa, Mitsuteru, 4,844,319, Cl. 227-79.000.
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  - Newton, Glen E.; and Cole, Peter C., 4,833,866, Cl. 53-529.000.
- Mac Engineering Co., Ltd.: *See—*
  - Masuko, Toshikazu; Masuko, Teruo; and Hirao, Shunro, 4,850,291, Cl. 111-7.200.
- Mac Engineering & Equipment Company, Inc.: *See—*
  - Fredrickson, Roy A., 4,878,521, Cl. 141-1.100.
  - Korzenecki, Paul, 4,883,164, Cl. 198-468.400.
- MAC Valves, Inc.: *See—*
  - Neff, James A., 4,880,033, Cl. 137-625.650.
- Macabasco, Agilio E.: *See—*
  - Kuhlemann, Bruce W.; Macabasco, Agilio E.; and Salumbides, Renato R., 4,880,425, Cl. 604-404.000.
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  - Wang, Da Y.; Kennedy, Daniel T.; and MacAllister, Burton W., Jr., 4,880,519, Cl. 204-425.000.
- MacAlpine, Derek K.; and Lawrenson, Malcolm J., to BP Chemicals Limited. Process for the production of isobutylbenzenes. 4,822,937, 4-18-89, Cl. 585-319.000.
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  - Kent, Alexander G.; Lawrenson, Malcolm J.; and Macalpine, Derek K., 4,835,328, Cl. 585-329.000.
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  - Kneafsey, Brendan J.; Rooney, John M.; and MacAogain, Conor F., 4,867,817, Cl. 156-73.100.
- Macarak, Edward J.: *See—*
  - Winston, Flaura K.; Thibault, Lawrence E.; and Macarak, Edward J., 4,851,354, Cl. 435-284.000.
- MacArthur, Charles E. Vertical furnace. 4,836,115, 6-6-89, Cl. 110-234.000.
- MacArthur, Ian D., to International Computers Limited. Video display unit. 4,796,298, 1-3-89, Cl. 380-14.000.
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  - Ferguson, Loreen D.; Hayes, Peter C.; and Macas, Tadas S., 4,808,633, Cl. 521-63.000.
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  - Lutwick, Gerald D.; and MacAulay, James D., 4,806,019, Cl. 366-167.000.
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  - Crawley, Michael F.; and Snowdon, Brian, 4,834,587, Cl. 406-23.000.
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  - Groff, Horace E., 4,801,467, Cl. 426-438.000.
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  - Tilsley, Stephen R.; and MacCarthy, Ian P., 4,817,355, Cl. 52-407.000.
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  - Andrejco, Matthew J.; and MacChesney, John B., 4,812,153, Cl. 65-3.120.
  - Blyler, Lee L., Jr.; Cohen, Leonard G.; Lieberman, Robert A.; and MacChesney, John B., 4,834,496, Cl. 350-96.290.
  - Fleming, James W.; Johnson, David W., Jr.; MacChesney, John B.; and Pardenek, Sandra A., 4,872,895, Cl. 65-18.100.
  - Lemaire, Paul J.; MacChesney, John B.; and Simpson, Jay R., 4,830,463, Cl. 350-96.340.
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  - Bonnet, Radelani A.; and Macchi, Odile M., 4,852,081, Cl. 370-32.100.
- Macchio, Ralph A.; Brown, Ivonne; and Tietjen, Marlene, to Revlon, Inc. Cosmetic powder employing spherical silica particles. 4,837,011, 6-6-89, Cl. 424-69.000.
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- MacCourt, Fergus J., to Ford New Holland, Inc. Hydrostatic hitch control. 4,822,962, 4-18-89, Cl. 200-61.880.
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  - D'Ambrisi, Joseph J., 4,853,095, Cl. 204-82.000.
  - Deresh, Lev; and Kelly, William R., III, 4,849,059, Cl. 204-44.400.
  - Grunwald, John J.; Klein, Igal; and Whitmore, Bryan, 4,800,132, Cl. 428-560.000.
  - LaBianca, Nancy C., 4,806,455, Cl. 430-325.000.
  - Landau, Adela, 4,844,981, Cl. 428-413.000.
  - Larson, Gary B.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,804,615, Cl. 430-314.000.
  - Larson, Gary B.; Williams, Ann S.; and Letize, Raymond A., 4,806,200, Cl. 156-652.000.
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  - Rhodenizer, Harold L., 4,863,758, Cl. 427-97.000.
  - Whitmore, Bryan, 4,868,066, Cl. 428-551.000.
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  - Yaniger, Stuart I.; MacDiarmid, Alan G.; and Angelopoulos, Marie, 4,806,271, Cl. 252-500.000.
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  - Bardos, Thomas J.; Perlman, Michael E.; and MacDiarmid, Joan E., 4,886,790, Cl. 514-83.000.
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  - Steigerwald, Robert L.; and Macdonald, Andrew J., 4,825,348, Cl. 363-17.000.
- MacDonald, Brian M.: *See—*
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  - Rogerson, Stephen P.; and MacDonald, Brian M., 4,795,934, Cl. 310-313.00R.
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  - Immega, Guy, 4,826,206, Cl. 280-711.000.
- MacDonald, Donald K. Assembly of collated nails for automatic nailers. 4,804,088, 2-14-89, Cl. 206-346.000.
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  - Seng, Stephen; and Macdonald, Frank J., 4,819,247, Cl. 373-30.000.
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  - Sharples, Thomas D., Jr.; Weitz, John C.; Ganapathy, Ichyterra; Poimboeuf, Michael; Macdonald, Hugh; and Garvin, Charles E., 4,811,325, Cl. 369-85.000.
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  - Nordlof, Richard D.; Reding, Gary D.; and MacDonald, Jeffery S., 4,804,898, Cl. 318-569.000.
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  - Mayne, Clive L.; Wilson, Robert C.; and MacDonald, Lindsay W., 4,829,370, Cl. 358-78.000.
- MacDonald, Neal, to Anamartic Limited. Random access memory system with circuitry for avoiding use of defective memory cells. 4,868,789, 9-19-89, Cl. 365-200.000.
- MacDonald, Paul M., to P. X. Industries, Inc. Metal shelf lock. 4,819,901, 4-11-89, Cl. 248-250.000.
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- MacDonald, Ross E.: *See—*
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- MacDonald, Russell J., to Ionics, Incorporated. Acid efficient membrane for use in electrodialysis for recovery of acid. 4,822,471, 4-18-89, Cl. 204-301.000.
- MacDonald, Scott A.: *See—*
  - Allen, Robert D.; Chiong, Kaolin N.; Chow, Ming-Fea; MacDonald, Scott A.; Yang, Jer-Ming; and Willson, Carlton G., 4,810,601, Cl. 430-18.000.
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  - Adams, Jerry F.; Borton, Michael D.; Hubble, Fred F., III; Martin, James P.; Shoemaker, Ralph A.; Werner, Alan J.; and MacDonald, Virginia N., 4,831,410, Cl. 355-208.000.
- MacDonald, William A.; and Ryan, Timothy G., to Imperial Chemical Industries PLC. Aromatic copolyesters. 4,868,278, 9-19-89, Cl. 528-288.000.
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  - MacDonald Scott H.; and MacDonald, William E., 4,811,433, Cl. 4-502.000.
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  - Kingsford, Kenji A., 4,799,717, Cl. 285-341.000.
  - Kingsford, Kenji A., 4,871,196, Cl. 285-138.000.
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- Mace, Leslie E.: *See—*
  - Knodle, Daniel W.; Mace, Leslie E.; and Labuda, Lawrence L., 4,859,858, Cl. 250-504.00R.
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  - Brennecke, James H.; and Mace, Robert E., 4,813,985, Cl. 55-378.000.
  - Brennecke, James H.; and Mace, Robert E., 4,867,771, Cl. 55-378.000.
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  - Lynch, Arthur S.; and MacEachern, A. Walter, 4,860,757, Cl. 128-657.000.
- MacEachern, Donald C.; and Levesque, Gaston, to DSL Dynamic Sciences Limited. Light beam intensifier. 4,855,885, 8-8-89, Cl. 362-298.000.
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  - Olorenshaw, George M.; and Macedo, Al, 4,881,432, Cl. 81-3.360.
- Macedo, Antone F., Jr.: *See—*
  - Jacober, Jeffrey M.; Macedo, Antone F., Jr.; and Bruno, Robert H., 4,805,898, Cl. 272-56.50R.
- Macedo, Pedro B.: *See—*
  - Barkatt, Aaron, 4,876,232, Cl. 502-417.000.
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- MacFarlane, Anthony S.: *See—*
  - Brown, Giselle M.; and MacFarlane, Anthony S., 4,888,117, Cl. 210-649.000.
- Macfarlane, Glen R.; Lee, Jordan R.; and Smith, Ross R., to General Motors Corporation. Engine with variable area intake passages. 4,805,573, 2-21-89, Cl. 123-403.000.
- MacFarlane, Jerauld C.: *See—*
  - Mickelson, Nils P.; and MacFarlane, Jerauld C., 4,866,575, Cl. 361-426.000.
- MacFarlane, John A., executrix: *See—*
  - MacFarlane, John O., deceased; and MacFarlane, John A., executrix, 4,846,890, Cl. 106-141.000.
- MacFarlane, John A., personal representative: *See—*
  - Macfarlane, John O., deceased; and MacFarlane, John A., personal representative, 4,859,480, Cl. 426-310.000.
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- MacGill, Robert A.: *See—*
  - Howard, Donald R.; and MacGill, Robert A., 4,801,269, Cl. 439-63.000.
- MacGregor, Andrew D., to Coal Industry (Patents) limited. Method of optically measuring relative angular movement. 4,869,591, 9-26-89, Cl. 356-153.000.
- MacGregor, D. Travis: *See—*
  - Anderson, G. Scott; Galetta, Jon D.; MacGregor, D. Travis; and Prince, Clarence F., 4,864,966, Cl. 118-668.000.
- MacGregor, Darlene M.: *See—*
  - MacGregor, Robert J.; MacGregor, Darlene M.; and Lueck, Arnold, 4,876,099, Cl. 426-242.000.
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- MacGregor, Douglas B.: *See—*
  - Cruess, Michael; Mothersole, David; Zolnowsky, John; and MacGregor, Douglas B., 4,811,274, Cl. 364-900.000.
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- MacGregor, Francis W., to Quad Research, Inc. Surface treating device. 4,875,246, 10-24-89, Cl. 15-98.000.
- MacGregor Golf Company: *See—*
  - Long, D. Clayton, 4,802,672, Cl. 273-77.00A.
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  - Noone, Tom, 4,866,861, Cl. 36-127.000.
  - Puckett, Troy L.; and Cadorniga, Lauro C., 4,836,552, Cl. 273-218.000.
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  - Chretien, Michel J. E., 4,811,777, Cl. 160-201.000.
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  - MacGregor, Robert J.; MacGregor, Darlene M.; and Lueck, Arnold, 4,876,099, Cl. 426-242.000.
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- Mach, Helmut: *See—*
  - Bronstert, Klaus; Mach, Helmut; Rath, Hans P.; and Walter, Hans-Michael, 4,822,945, Cl. 585-517.000.
  - Franz, Dieter; Kummer, Rudolf; Mach, Helmut; and Rath, Hans P., 4,859,210, Cl. 44-53.000.
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  - Erdelitsch, Herbert; Machalitzky, Otto; and Prang, Josef-Elmar, 4,857,815, Cl. 318-443.000.
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- Machart, Beverly H.: *See—*
  - Barker, Barbara A.; Hernandez, Irene H.; and Machart, Beverly H., 4,815,029, Cl. 364-900.000.
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  - Gonner, Winfried; Kolb, Bruno; and Machata, Gottfried, 4,818,489, Cl. 422-84.000.
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  - Miyagi, Kunihiko, 4,878,484, Cl. 128-4.000.
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- Machida, Hirohisa; and Nakabayashi, Takeo, to Mitsubishi Denki Kabushiki Kaisha. Periodic signal generator circuit. 4,827,157, 5-2-89, Cl. 307-262.000.
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  - Ando, Hideki; Kondo, Harufusa; and Machida, Hirohisa, 4,811,267, Cl. 364-736.000.
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  - Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,819,019, Cl. 355-3.00R.
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  - Wakabayashi, Hiroshi; Tsukahara, Daiki; Machida, Kiyosada; Katano, Yuji; and Miyamoto, Hidenori, 4,843,411, Cl. 354-187.000.
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  - Miyakawa, Yasuhiro; and Machida, Minoru, 4,844,037, Cl. 123-270.000.
  - Miyakawa, Yasuhiro; and Machida, Minoru, 4,875,939, Cl. 123-271.000.
  - Ogasawara, Takayuki; Wakasa, Akinori; Hosokawa, Hideki; Machida, Minoru; and Kondo, Itsuo, 4,809,654, Cl. 123-271.000.
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  - Murakami, Hirobumi; Suda, Tsutomu; Machida, Mitunobu; and Umemura, Hide, 4,863,995, Cl. 525-74.000.
- Machida, Sadatsugi: *See—*
  - Nakamura, Shigeru; Machida, Sadatsugi; and Toda, Tsuyoshi, 4,873,678, Cl. 369-13.000.
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  - Nemoto, Shoji; and Machida, Yukihiko, 4,823,206, Cl. 360-19.100.
  - Shimada, Keiichiro; Takada, Shinji; Ishihara, Mitsugu; and Machida, Yukihiko, 4,821,032, Cl. 340-825.210.
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  - Mita, Katsuya; Machida, Yutaka; and Morishita, Muneki, 4,871,905, Cl. 235-475.000.
- Machin Designs Limited: *See—*
  - Machin, Francis, 4,836,264, Cl. 160-120.000.
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  - Broadhurst, Michael J.; Handa, Balraj K.; Johnson, William H.; Lawton, Geoffrey; and Machin, Peter J., 4,885,283, Cl. 514-78.000.
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  - Tribbey, Lawrence S., 4,817,369, Cl. 53-571.000.
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- Machine Products Corporation: *See—*
  - Appenzeller, Robert C.; and Bailey, Curtis R., 4,858,307, Cl. 29-736.000.
- Machine Research Company, Inc.: *See—*
  - Moore, L. Bruce, 4,794,686, Cl. 29-568.000.
  - Moore, L. Bruce, 4,843,904, Cl. 74-396.000.
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  - Hillman, Gary, 4,885,075, Cl. 204-298.000.
  - Rubin, Richard H.; Petrone, Benjamin J.; Heim, Richard C.; and Pawenski, Scott M., 4,852,516, Cl. 118-715.000.
  - Strahl, Thomas L., 4,818,561, Cl. 427-38.000.
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  - Rensen, Henricus G. R., 4,832,587, Cl. 425-99.000.
- Machinefabriek de Remise B.V.: *See—*
  - Moret, Willem, 4,803,034, Cl. 264-504.000.
- Machinefabriek MEYN B.V.: *See—*
  - van der Heuvel, Johannes, 4,811,456, Cl. 17-1.00G.
- Machines Chambon S.A.: *See—*
  - Armelin, Michael, 4,810,153, Cl. 414-790.100.
  - Armelin, Michael, 4,863,086, Cl. 226-152.000.
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  - Dubuit, Jean-Louis; and Rouly, Eric, 4,798,277, Cl. 198-397.000.
- Machino, Katsuyuki: *See—*
  - Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Matsubara, Toshiyuki; and Terasaka, Teiji, 4,888,586, Cl. 340-825.050.
- Machizawa, Kenzi: *See—*
  - Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
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- Machleidt, Werner: *See—*
  - Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machleidt, Werner; and Seemuller, Ursula, 4,845,076, Cl. 514-12.000.
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- Machlett, James: *See—*
  - Stoerzinger, Charles A.; and Machlett, James, 4,798,014, Cl. 40-124.100.
- Machmer, William C.: *See—*
  - Siddoway, Mark A.; Stidham, Neal D.; and Machmer, William C., 4,797,136, Cl. 44-501.000.
- Machnicki, John T.: *See—*
  - Townsend, Ted H.; Moore, Clinton L.; and Machnicki, John T., 4,798,175, Cl. 119-155.000.
- Machnig, Helmut: *See—*
  - Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, 4,878,623, Cl. 241-5.000.
- Macho, Vendelin: *See—*
  - Zikmund, Miroslav; Hybl, Cestmir; Macho, Vendelin; and Adam, Valer, 4,871,519, Cl. 423-169.000.
- Machoczek, Horst M.: *See—*
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- Machonkin, Harold I.: *See—*
  - Tang, Ping-Wah; Lau, Philip T. S.; Cowan, Stanley W.; Machonkin, Harold I.; and Chen, Tien-Teh, 4,804,620, Cl. 430-548.000.
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- Macias, Curt B. Floor aligning jack. 4,862,654, 9-5-89, Cl. 52-126.100.
- Macias, Helene; and Winke, Augos. Crib death (SIDS) warning device. 4,851,816, 7-25-89, Cl. 340-573.000.
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- Macias, Paul C. Exhaust system for cooking appliances. 4,825,848, 5-2-89, Cl. 126-299.00D.
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  - Griffith, James M.; Maciel, Mario; Henry, Walter L.; and Zalesky, Paul J., 4,841,977, Cl. 128-660.030.
- Macieowitz, Elisabeth T. Utility bag having a recessed compartment. 4,867,215, 9-19-89, Cl. 150-112.000.
- Macier, James E.; Binversie, Gregory J.; Calamia, David C.; and Daniels, John M., to Outboard Marine Corporation. Multi-cylinder engine with uniform cylinder sensitivity to knocking. 4,870,929, 10-3-89, Cl. 123-78.00R.
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  - Binversie, Gregory J.; Gerdes, Robert W.; and Macier, James E., 4,795,383, Cl. 440-89.000.
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  - Douglas, Alan D.; MacInnis, Martin B.; and Vanderpool, Clarence D., 4,816,069, Cl. 75-0.5BA.

Vanderpool, Clarence D.; Ladd, Judith A.; MacInnis, Martin B.; and Fedorchak, Mary A., 4,808,384, Cl. 423-21.100.

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Raycher, Robert J.; Cangro, Ronald A.; Gum, Charles E.; Macinskas, Dean P.; and Williams, Francis J., 4,804,811, Cl. 219-98.000.

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Valeri, Stephen J.; Jain, Kailash C.; and MacIver, Bernard A., 4,811,063, Cl. 357-22.000.

MacIvergan, Robert G. Raking means. 4,821,500, 4-18-89, Cl. 56-400.140.

Mack, Arthur G.: *See*—

Parr, William J.; Mack, Arthur G.; and Moy, Paul Y. Y., 4,801,625, Cl. 523-179.000.

Mack, Arthur R., II; and Sutherland, John W. H., Jr., to Eastman Kodak Company. Compositions for the detection of high levels of hydrogen peroxide. 4,876,207, 10-24-89, Cl. 436-135.000.

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Mack, Ernest, Jr. Automotive vehicle wheel cover lock. 4,869,084, 9-26-89, Cl. 70-259.000.

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Mack, Gerhard: *See*—

Pawlowski, Georg; Hultsch, Guenter; and Mack, Gerhard, 4,840,868, Cl. 430-155.000.

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Igel, Wolfgang; Nickolay, Helmut; Mack, Karl-Heinz; and Meissner, Werner, 4,823,543, Cl. 57-80.000.

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Mack, Melba: *See*—

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Mack, William J.; and Cote, William F., to Eaton Corporation. Method for controlling AMT system including throttle position sensor signal fault detection and tolerance. 4,833,613, 5-23-89, Cl. 364-424.050.

Mack, William M., Jr.: *See*—

Hardin, William F., Sr.; and Mack, William M., Jr., 4,817,034, Cl. 364-900.000.

Mackanic, James C.; Lelko, Dawn M.; Shugart, Steven A.; and Koch, James K., to Hewlett-Packard Company. Method for obtaining electrical interconnect using a solderable mechanical fastener. 4,881,906, 11-21-89, Cl. 439-83.000.

Mackanos, Thomas J., to DonuTrimmer Equipment, Inc. Process for sprinkling lawns. 4,850,532, 7-25-89, Cl. 239-1.000.

MacKay, Colin A., to Microelectronics and Computer Technology Corporation. Method of making a flexible interconnect. 4,862,588, 9-5-89, Cl. 29-884.000.

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Mackay, John D.: *See*—

DiStefano, Thomas H.; Falls, Arthur E.; Halperin, Arnold; and Mackay, John D., 4,868,506, Cl. 324-521.000.

MacKay, Joseph H., Jr. Pressure cap for disposable finishing article. 4,878,316, 11-7-89, Cl. 51-168.000.

MacKay, Kenneth D.: *See*—

Tuominen, Francis W.; Swanson, Ronald R.; Mattison, Phillip L., MacKay, Kenneth D.; and Glorvigen, Bradley W., 4,886,888, Cl. 548-497.000.

Macke, Anthony V.; and Shrimpton, Philip E., to Macke, Anthony V. Tracks for sporting events. 4,830,532, 5-16-89, Cl. 404-31.000.

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Field, Lamar; Musallam, Hikmat A.; Macke, Jeffrey D.; and Srivastava, Pramod K., 4,883,890, Cl. 558-61.000.

Mackedanz, Bruce T.: *See*—

Grant, Robert W.; and Mackedanz, Bruce T., 4,848,400, Cl. 137-580.000.

MacKendrick, Robert R.; and McKeon, John J., to Air-Lock, Incorporated. Valve for puncturing and releasing gas from a pressurized cylinder. 4,805,802, 2-21-89, Cl. 222-5.000.

MacKenna, Craig A.; and Li, Jan-Kwei J., to Signetics Corporation. Video display controller for expanding monochrome data to programmable foreground and background color image data. 4,878,181, 10-31-89, Cl. 364-518.000.

Mackenroth, Einhard. Universal fiber optic termination system. 4,805,980, 2-21-89, Cl. 350-96.210.

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Mackenzie, Colin A.: *See*—

Chalmers, Brian D.; Mackenzie, Colin A.; and Kapoor, Kishore K., 4,890,174, Cl. 360-78.120.

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Pooley, Denis M.; and MacKenzie, Douglas K., deceased, 4,872,856, Cl. 439-783.000.

Mackenzie, John D.: *See*—

Trivedi, Nikhil C.; and Mackenzie, John D., 4,830,989, Cl. 501-35.000.

Mackenzie, Kenneth A.: *See*—

Burnand, Richard P.; and Mackenzie, Kenneth A., 4,802,895, Cl. 51-293.000.

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MacKew, James. Automatic time-delayed release buckle. 4,815,177, 3-28-89, Cl. 24-602.000.

Mackey, Charles S.: *See*—

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Mackey, Clifford R. Portable electronic unit for treatment of bites by poisonous snakes or other animals or allergic contracts. 4,873,609, 10-10-89, Cl. 361-232.000.

Mackey, Gary T., to American Ball Manufacturing, Corp. Golf ball. 4,886,277, 12-12-89, Cl. 273-232.000.

Mackey, Joseph E.: *See*—

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Mackey, Lawton. Aerial projectile game apparatus. 4,819,947, 4-11-89, Cl. 273-412.000.

Mackey, Timothy I. Dynamic memory address system for I/O devices. 4,815,034, 3-21-89, Cl. 364-900.000.

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Mackie, David R.: *See*—

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Mackiewicz, Edward T., to Kenall Manufacturing Co. Water-proof and impact-resistant lighting fixture. 4,827,386, 5-2-89, Cl. 362-267.000.

Mackin, Alan. Pressure distribution device for valve cover. 4,821,699, 4-18-89, Cl. 123-90.380.

Mackin, F. Gerald: *See*—

Kerwin, Michael A., 4,850,109, Cl. 30-122.000.

Mackin, Michael H.; and Koch, Robert J., to BOC Group, Inc., The. Heater traverse mechanism for infant care center. 4,809,677, 3-7-89, Cl. 600-22.000.

Mackina Westfalia S.A.: *See*—

Sarasola, Javier A., 4,880,109, Cl. 198-833.000.

MacKinnon, Francis X.; Horn, James F.; and Pastina, John A., to Gessner Industries, Inc. Tenter frame chain with low friction slide block. 4,882,820, 11-28-89, Cl. 26-93.000.

Mackinnon, Susan E.: *See*—

Dellon, Arnold L.; and Mackinnon, Susan E., 4,870,966, Cl. 128-334.00R.

Mackintosh, Christine: *See*—

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Hignett, Geoffrey J.; and MacKirdy, Iain S., 4,801,407, Cl. 260-502.00R.

Macklem, Elizabeth A.: *See*—

Pulkowski, Jeffrey H.; Macklem, Elizabeth A.; and Busker, L. H., 4,874,469, Cl. 162-359.000.

Mackles, Leonard; and Chavkin, Leonard, to Product Resources International, Inc. Aerosol foam with adsorbate and container containing same. 4,889,709, 12-26-89, Cl. 424-45.000.

Mackles, Leonard: *See*—

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Mackley, Malcolm R.; and Sapsford, Gary S., to National Research Development Corporation. Oriented polymer films, a process for the preparation thereof. 4,851,173, 7-25-89, Cl. 264-204.000.

Mackley, Malcolm R.; and Anton, Christopher, to National Research Development Corporation. Process for preparing improved oriented polymer films and tapes. 4,857,127, 8-15-89, Cl. 156-242.000.

Mackley, Malcolm R.: *See*—

Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., 4,832,500, Cl. 366-268.000.

Macklin, John J.: *See*—

Sher, Mark H.; Macklin, John J.; and Harris, Stephen E., 4,870,653, Cl. 372-76.000.

Mackness, Terry; and Wezel, Frank V., to Hi-Tec Sports PLC. Shock absorbing shoe sole and shoe incorporating the same. 4,887,367, 12-19-89, Cl. 36-28.000.

Macknick, A. Brian: *See*—

Becker, Paul; Edwards, Larry M.; Horner, Patrick J.; Macknick, A. Brian; Moore, Stephen; and Mosso, Ronald J., 4,843,131, Cl. 526-65.000.

Mackowiak, Stephen P.: *See*—

Clough, Melvyn J. L.; Mackowiak, Stephen P.; and Lewis, Jeffrey C., 4,850,778, Cl. 411-433.000.

Mackrell, Andrew D.: *See*—

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Macksoud, Albert A. Angle guide device. 4,881,437, 11-21-89, Cl. 83-477.200.

Mackworth, Alan K.: *See*—

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MacLaughlin, Scott: *See*—

Caskey, Kenneth D.; and MacLaughlin, Scott, 4,871,018, Cl. 166-142.000.

MacLaurin, Blair K.: *See*—

Suthers, Mark S.; Este, Grantley O.; Streater, Richard W.; and MacLaurin, Blair K., 4,814,658, Cl. 310-313.00D.

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Setter, Joseph R.; and Maclay, G. Jordan, 4,865,717, Cl. 204-412.000.

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MacLean, Barry L., to MacLean-Fogg Company. Plastic encapsulated nut and washer assembly. 4,883,399, 11-28-89, Cl. 411-431.000.

MacLean, Donald L.: *See*—

Jain, Ravi; LaCava, Alberto; Andrecovich, Mark J.; and MacLean, Donald L., 4,861,361, Cl. 62-18.000.

Krishnamurthy, Ramachandran; Lerner, Steve L.; and MacLean, Donald L., 4,816,039, Cl. 55-26.000.

Ramachandran, Ramakrishnan; MacLean, Donald L.; and Satchell, Donald P., Jr., 4,849,537, Cl. 558-319.000.

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Grube, William L., 4,812,094, Cl. 411-134.000.

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MacLean, Gregory K.: *See*—

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MacLean, Mary. Sanitary toilet seat cover. 4,887,321, 12-19-89, Cl. 4-243.000.

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MacLean, William D.: *See*—

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MacLeay, Ronald E.; and Kazmierczak, Robert T., to Pennwalt Corporation. Cyclic anhydride derivatives of hydrazide functionalized hindered amine light stabilizers. 4,824,884, 4-25-89, Cl. 524-99.000.

MacLeay, Ronald E., to Pennwalt Corporation. Process of bulk polymerization of styrene using azoalkane mixtures containing unsymmetrical azoalkanes. 4,831,096, 5-16-89, Cl. 525-333.600.

MacLeay, Ronald E.; and Myers, Terry N., to Pennwalt Corporation. Polymer bound antioxidant stabilizers. 4,857,596, 8-15-89, Cl. 525-142.000.

MacLeay, Ronald E.; and Myers, Terry N., to Pennwalt Corporation. Multipurpose polymer bound stabilizers. 4,863,999, 9-5-89, Cl. 525-142.000.

MacLeay, Ronald E., to Pennwalt Corporation. Process for producing polymer bound hindered amine light stabilizers. 4,866,136, 9-12-89, Cl. 525-327.600.

MacLeay, Ronald E.; and Myers, Terry N., to Pennwalt Corporation. Polymer bound UV stabilizers. 4,868,246, 9-19-89, Cl. 525-142.000.

MacLeay, Ronald E.: *See*—

Kazmierczak, Robert T.; MacLeay, Ronald E.; and Wicher, Jerome, 4,801,749, Cl. 564-158.000.

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Lee, Joseph H., 4,844,780, Cl. 204-44.400.

Macleod, Donald A.: *See*—

Leonard, Antony J.; and Macleod, Donald A., 4,889,332, Cl. 271-108.000.

MacLeod, Donald I. G. Well pump. 4,820,137, 4-11-89, Cl. 417-566.000.

MacLeod, Donald J.; Peterson, Miles L.; and Nowark, Charles G., Jr., to Seagate Technology, Inc. Spindle motor for a disc drive. 4,841,393, 6-20-89, Cl. 360-98.070.

MacLeod, Edward N., to Parker Hannifin Corporation. Inlet for a positive displacement pump. 4,836,760, 6-6-89, Cl. 418-166.000.

MacLeod, Edwin A.; and Frank, E. Wesley. Multi-purpose indoor/outdoor refuse bag support. 4,856,740, 8-15-89, Cl. 248-97.000.

MacLeod, Fraser A.: *See*—

Costerton, J. William F.; Cusack, Francene; MacLeod, Fraser A.; and Cyr, Theodore J., 4,800,959, Cl. 166-246.000.

MacLeod, Gordon: *See*—

Roberts, Joseph W.; Roberts, John C.; and MacLeod, Gordon, 4,823,525, Cl. 52-200.000.

MacLeod, J. Martin; and Cyr, Martin E., to Pulp & Paper Research Institute of Canada; and Irving Pulp and Paper Limited. Method for discharging delignified cellulosic materials from digesters. 4,814,042, 3-21-89, Cl. 162-17.000.

MacLeod, Kenneth A.: *See*—

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MacLeod, Norman, to Macrowave Technology Corporation. Nonaudible speech generation method and apparatus. 4,821,326, 4-11-89, Cl. 381-51.000.

MacLeod, Richard F.; and Bolejack, Kevin J., to TransFRESH Corporation. Method and apparatus for sealing a flexible bag to a pallet. 4,821,489, 4-18-89, Cl. 53-419.000.

MacLeod, Richard J.; and Schiedegger, Charles E., to Tapco Products Company, Inc. Plastic building product. 4,875,318, 10-24-89, Cl. 52-211.000.

Maclin, Harvey M.; Lenahan, Dean T.; and Tuley, Eugene N., to General Electric Company. Turbine cooling air modulation. 4,807,433, 2-28-89, Cl. 60-39.290.

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Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., 4,796,423, Cl. 60-39.330.

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Bentley, Andrew C.; King, Christine A.; MacMahon, Alistair J.; Tansley, Robert W.; and Newman, Alec T., 4,853,234, Cl. 426-77.000.

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MacMillan Bloedel Containers: *See*—

Lorenz, Achim R., 4,856,707, Cl. 229-114.000.

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Aune, Jan E.; Arden, Terence J.; and Yap, Mary S., 4,879,752, Cl. 382-1.000.

Barnes, Derek, 4,809,754, Cl. 144-3.00R.

Brears, John H., 4,800,286, Cl. 250-560.000.

Churchland, Mark T.; and Schilling, Walter W., 4,872,544, Cl. 198-382.000.

Crittenden, Bradley J., 4,863,021, Cl. 206-328.000.

Knudson, Robert M., 4,794,962, Cl. 144-357.000.

Knudson, Robert M.; and Gnatowski, Marek J., 4,879,083, Cl. 264-122.000.

Knudson, Robert M.; and Ehrenfellner, Hubert, 4,879,160, Cl. 428-192.000.

Lau, Kenneth K.; and Gillard, David F., 4,830,271, Cl. 229-117.000.
Robinson, Allen C., 4,834,195, Cl. 175-52.000.

MacMillan, David: *See—*
Popat, Kaushik; and MacMillan, David, 4,868,522, Cl. 331-2.000.

MacMillan, David C.; and Graham, Andrew C., to Gazelle Microcircuits, Inc. Semiconductor integrated circuit compatible with compound standard logic signals. 4,844,563, 7-4-89, Cl. 307-475.000.

MacMillan, David C.: *See—*
Graham, Andrew C.; and MacMillan, David C., 4,872,140, Cl. 365-96.000.

MacMillan, Duncan J., Jr.: *See—*
Barnett, Paul M.; Welch, Douglas A.; and MacMillan, Duncan J., Jr., 4,873,718, Cl. 379-156.000.

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MacMurray, Thomas A.; McComis, William T.; Boiarski, Anthony A.; Proffitt, James R.; and Green, Glen R., to H. J. Heinz Company. Method of removing outer protective layer from edible materials using laser energy. 4,839,181, 6-13-89, Cl. 426-237.000.

MacMuscle Co., Inc.: *See—*
Belknap, John C., 4,818,155, Cl. 408-130.000.

Macnak, Philip P.; and Williard, David F., to Motorola, Inc. Battery saving method for portable communications receivers. 4,804,954, 2-14-89, Cl. 340-825.440.

MacNak, Philip P.; and Irwin, James S., to Motorola, Inc. Apparatus for tuning the antenna of a miniature personal communications device. 4,817,196, 3-28-89, Cl. 455-193.000.

Macnak, Philip P.; Irwin, James S.; and Davis, Walter L., to Motorola, Inc. System for automatically tuning the antenna of a miniature portable communications device. 4,862,516, 8-29-89, Cl. 455-193.000.

Macnak, Philip P.: *See—*
Willard, David F.; and Macnak, Philip P., 4,803,487, Cl. 340-825.440.

MacNeal, Edward H., Jr.; and Stadtman, Kenneth W., to Polaroid Corporation. Robot arm having motion-limiting tether. 4,795,957, 1-3-89, Cl. 318-568.000.

MacNitt, Donald G.; and Walker, Raymond M., to United Technologies Corporation. Method for fabricating integrally bladed rotors. 4,841,614, 6-27-89, Cl. 29-156.80B.

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Walker, Rayond M.; and MacNitt, Donald G., 4,838,069, Cl. 72-342.000.

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Macomber, Donald L. Truck cargo bed cover. 4,832,394, 5-23-89, Cl. 296-100.000.

Macomber, Kenneth R., to Macomber, Kenneth R. Connecting device. 4,807,848, 2-28-89, Cl. 251-149.400.

MacOnochie, Ewen R. A., to Quarry Engineering Developments Pty. Ltd. Rock-breaking apparatus. 4,838,363, 6-13-89, Cl. 173-139.000.

Macor, Richard J. Multiple socket and multiple socket wrench. 4,840,094, 6-20-89, Cl. 81-185.000.

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Wheeland, Chris L.; and MacPhail, Guilford R., 4,831,335, Cl. 330-47.000.

MacPherson, Edwin J.: *See—*
Kyle, Teresa M.; Meunier, Paul J.; and MacPherson, Edwin J., 4,882,364, Cl. 521-136.000.
Meunier, Paul J.; Lunt, James; and MacPherson, Edwin J., 4,883,824, Cl. 521-88.000.

Mac Pherson, James; and Scarpelli, Mark. Daerohydrophase engine. 4,827,717, 5-9-89, Cl. 60-247.000.

MacPherson, William H.: *See—*
Spang, Kim J.; Minarik, Daniel; and MacPherson, William H., 4,829,283, Cl. 340-506.000.

Macrae, Alasdair R.; and How, Peter, to Lever Brothers Company. Rearrangement process. 4,861,716, 8-29-89, Cl. 435-134.000.

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Halling, Peter J.; and Macrae, Alasdair R., 4,863,860, Cl. 435-134.000.

Macrae, Donald R.: *See—*
Guntermann, Johannes; and Macrae, Donald R., 4,830,611, Cl. 432-225.000.

Macro Chem. Corp.: *See—*
Samour, Carlos M.; and Daskalakis, Stefanos, 4,861,764, Cl. 514-177.000.

Macrovision Corporation: *See—*
Ryan, John O., 4,819,098, Cl. 360-37.100.

Macrow, Lawrence. Ionizer diffuser air purifier. 4,861,355, 8-29-89, Cl. 55-127.000.

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MacLeod, Norman, 4,821,326, Cl. 381-51.000.

MacTaggart Scott (Holdings) Ltd.: *See—*
Bennett, Charles M., 4,826,369, Cl. 409-132.000.

Mac Thornock, Jeffrey: *See—*
Keate, Christopher R.; and Mac Thornock, Jeffrey, 4,887,042, Cl. 328-133.000.

Mactronix, Inc.: *See—*
Lau, John J.; and Fang, Si-Ming, 4,856,957, Cl. 414-404.000.

Maculan, Thomas P.: *See—*
Kalala, Rose H.; DeLeon, Joe R.; and Maculan, Thomas P., 4,871,554, Cl. 426-74.000.

MacVicar, Margaret L. A.: *See—*
Bellingham, James G.; and MacVicar, Margaret L. A., 4,881,037, Cl. 324-425.000.

MacWilliams, David; Paton, Duncan A.; Larcombe, Arthur C.; and Baker, Stephen G., to International Business Machines Corporation. Conveyor system including a buffer store. 4,850,473, 7-25-89, Cl. 198-463.600.

MacWilliams, Robert W.: *See—*
Domian, Robert E.; and MacWilliams, Robert W., 4,833,809, Cl. 42-65.000.

Macy, Elwood H.: *See—*
Diller, Richard D., deceased; Arnold, Anthony F.; Cheng, Ying Ying; Cotts, Patricia M.; Hofer, Donald C.; Khojasteh, Mahmoud; Macy, Elwood H.; Shah, Prabodh R.; and Volksen, Willi, 4,849,501, Cl. 528-353.000.

Maczuzak, Michael J.: *See—*
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Mada, Takeshi: *See—*
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Madaffari, Peter L., to Industrial Research Products, Inc. Microphone with frequency pre-emphasis. 4,815,560, 3-28-89, Cl. 181-158.000.

Madaffari, Peter L., to Industrial Research Products, Inc. Microphone with frequency pre-emphasis channel plate. 4,837,833, 6-6-89, Cl. 381-69.000.

Madan, Arun: *See—*
Ovshinsky, Stanford R.; and Madan, Arun, 4,839,312, Cl. 437-233.000.
Xi, Jianping; and Madan, Arun, 4,865,999, Cl. 437-2.000.
Yaba, Susumu; Walker, Christopher M.; Muhl, Stephen; and Madan, Arun, 4,808,462, Cl. 428-142.000.

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Madan, Sudhir K.: *See—*
Klein, Jeffrey L.; Poon, Stephen S.; Swenson, Mark S.; and Madan, Sudhir K., 4,829,024, Cl. 437-189.000.

Madar, Roland: *See—*
Torres, Joaquim; Madar, Roland; Bernard, Claude; and Million-Brodaz, Jean-Francois, 4,871,691, Cl. 437-200.000.

Madar, Yoav: *See—*
Tanami, Yair; and Madar, Yoav, 4,821,017, Cl. 340-430.000.

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Madaus GmbH & Company: *See—*
Eiden, Friedrich; Gmeiner, Peter; and Schunemann, Jurgen, 4,859,664, Cl. 514-217.000.
Grimminger, Wolf; Gorler, Klaus; and Odenthal, Karl P., 4,855,422, Cl. 540-466.000.

Madaus, Rolf; Stumpf, Werner; Gorler, Klaus; and Carcasona-Beltran, Alfonso, to Dr. Madaus & Co. Acidic alkali citrate and compositions for adjusting the ph of urine. 4,820,870, 4-11-89, Cl. 562-584.000.

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Maddali, Vijay K.: *See—*
Dishner, Bryan W.; Maddali, Vijay K.; and Dhyanchand, P. John, 4,841,202, Cl. 318-14.000.

Madden, Patrick C., II, to Exxon Research and Engineering Company. Use of sulfur dioxide for corrosion inhibition in acid gas scrubbing processes. 4,857,283, 8-15-89, Cl. 423-228.000.

Madden, Thomas D.: *See—*
Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

Maddever, Wayne J.; Riley, Michael F.; and Selines, Ronald J., to Union Carbide Corporation. Melting furnace for melting metal. 4,796,277, 1-3-89, Cl. 373-72.000.

Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., to Telectronics N.V. Implanted medical system including a self-powered sensing system. 4,798,206, 1-17-89, Cl. 128-419.00P.

Maddison, Paul D.: *See—*
Hartley, John D.; Germain, Mark; Key, Brian D.; Jepson, Ray; Golding, Victor G.; Cook, Steven; and Maddison, Paul D., 4,868,863, Cl. 379-98.000.

Maddock, William H., to Noma Inc. Electrical connector. 4,826,448, 5-2-89, Cl. 439-409.000.

Maddocks, Thomas C.: *See—*
Stuckey, Carl E.; and Maddocks, Thomas C., 4,805,523, Cl. 99-281.000.

Maddox, Charles G., to B.F. Goodrich Company, The. Blind fastener. 4,859,108, 8-22-89, Cl. 403-277.000.

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Benayad-Cherif, Faycal E. K.; Maddox, James F.; and George, Robert W., II, 4,815,840, Cl. 356-1.000.
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Maddy, Woodrow D., to Xaloy, Inc. Resin molding process employing a mickel-based alloy liner. 4,863,661, 9-5-89, Cl. 264-127.000.

Made with Love, Inc.: *See—*
Gray, Thelma, 4,882,788, Cl. 2-243.00R.

Madenokoji, Shinichiro: *See—*
Nakayama, Shozo; and Madenokoji, Shinichiro, 4,804,329, Cl. 439-20.000.

Mader, David L.: *See—*
Gupta, Bal K.; and Mader, David L., 4,869,197, Cl. 116-266.000.

Mader, Frederick W., to Du Pont de Nemours, E. I., and Company. Fluorination process. 4,885,416, 12-5-89, Cl. 570-170.000.

Mader, Gerhard: *See—*
Meixner, Hans; Mader, Gerhard; and Freitag, Reinhard, 4,831,259, Cl. 250-353.000.

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Bilger, Gerhard; Mader, Helmut; and Matzagg, Erich, 4,876,939, Cl. 89-33.040.
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Hupp, Gerhard; and Mader, Helmut, 4,815,356, Cl. 89-190.000.

Mader, Herman: *See—*
Betz, Hans; Mader, Herman; and Pelka, Joachim, 4,838,694, Cl. 356-357.000.

Mader, James M., to Harris Corp. High speed signal processor. 4,823,295, 4-18-89, Cl. 364-716.000.

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Mader, John J.: *See—*
Ford, Vernon E.; Jones, Jeremy K.; Mader, John J.; and Plummer, William T., 4,816,939, Cl. 360-77.030.

Mader, Karl; Schonenberger, Guido; and Buzzi, Carlo A., to I D C - Chemie AG. Method for treating portions of the human body. 4,802,480, 2-7-89, Cl. 128-400.000.

Mader, Robert; and Staniszewski, Gary P., to Allied-Signal Inc. Free running cinching connector. 4,848,794, 7-18-89, Cl. 280-801.000.

Mader, Roger A.: *See—*
Vogel, Kim M.; Weigel, David C.; and Mader, Roger A., 4,795,697, Cl. 430-619.000.

Mader, Stephen M. Lifting handle for pressurized gas containers. 4,795,202, 1-3-89, Cl. 294-16.000.

Mader, William G.: *See—*
Arnold, Robert L.; Mader, William G.; and Desmarais, Philip A., 4,800,786, Cl. 81-121.100.

Maderas, K. J.: *See—*
Hoeflein, Harry E.; Varrato, Paul A.; and Maderas, K. J., 4,843,963, Cl. 101-128.000.

Maderspach, Andrea: *See—*
Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.

Madgavkar, Ajay M., to Shell Oil Company. Microbiological desulfurization of coal and coal water admixture to provide a desulfurized fuel. 4,861,723, 8-29-89, Cl. 435-262.000.

Madic, Charles; and de Sanoit, Jacques, to Commissariat a l'Energie Atomique. Ammonium plutonate uranate, its preparation process and its use for producing the mixed oxide $(U,Pu)O_2$. 4,839,149, 6-13-89, Cl. 423-251.000.

Madic, Charles: *See—*
Koehly, Gerad; Madic, Charles; and Saulze, Jean-Louis, 4,869,794, Cl. 204-130.000.

Madigan, Stephen M. Energy efficient frost-free refrigerator. 4,879,881, 11-14-89, Cl. 62-447.000.

Mading, James E.: *See—*
Kroll, John W.; Baran, Michael S.; and Mading, James E., 4,887,430, Cl. 60-527.000.

Madis, Valdemar H.; Omar, Mostafa M.; and Madis, Voldemar, to Dr. Madis Laboratories, Inc. Aloeferon isolation, manufacturing and its applications. 4,861,761, 8-29-89, Cl. 514-54.000.

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Madison, Bryan L.: *See—*
McCoy, Stephen A.; Madison, Bryan L.; Self, Peter M.; and Weisgerber, David J., 4,822,875, Cl. 536-119.000.

Madison-Kipp Corporation: *See—*
Dombroski, Robert M.; and Kayser, John P., 4,834,218, Cl. 184-3.100.

Madison, Norman L.: *See—*
Schrock, Alan K.; Harris, William J.; and Madison, Norman L., 4,864,010, Cl. 528-185.000.

Madison, Stephen A.; Ilardi, Leonora M.; Liberati, Patricia; and Schwarz, Joshua, to Lever Brothers Company. Stably suspended 4,4'-sulfonylbisperoxybenzoic acid bleach in an aqueous liquid. 4,822,510, 4-18-89, Cl. 252-95.000.

Madison, Stephen A.: *See—*
Humphreys, Robert W. R.; and Madison, Stephen A., 4,818,426, Cl. 252-99.000.

Madison, Vincent S.: *See—*
Danho, Waleed; Triscari, Joseph; and Madison, Vincent S., 4,808,701, Cl. 530-317.000.

Madiwale, Appasaheb N.: *See—*
Cangiani, Gene L.; and Madiwale, Appasaheb N., 4,855,932, Cl. 364-516.000.

Madkour, Catherine M. Portable eyeglass cleaning device. 4,796,751, 1-10-89, Cl. 206-223.000.

Madle, Wolfgang; Gawlik, Norbert; and Popp, Franz W., to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Method and device for the loading and sealing of a double container system for the storage of radioactive material and a seal for the double container system. 4,847,009, 7-11-89, Cl. 252-633.000.

Madlock, Cleve, Jr.: *See—*
Castro, Anthony J.; Frank, Dieter; and Madlock, Cleve, Jr., 4,865,789, Cl. 264-122.000.

Madnick, Peter A.; and Sherwood, Russell W. Antenna. 4,801,944, 1-31-89, Cl. 343-744.000.

Madocks, John E.: *See—*
Morgan, Steven V.; and Madocks, John E., 4,850,806, Cl. 417-53.000.

Madokoro, Manabu: *See—*
Ikeuchi, Hisaaki; Madokoro, Manabu; Sato, Haruo; and Jodoi, Takashi, 4,885,123, Cl. 376-233.000.

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Sakamoto, Yukio; Madokoro, Shinichi; and Okuyama, Shingo, 4,801,904, Cl. 333-182.000.

Madokoro, Yuuichi: *See—*
Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.

Madore, Christopher: *See—*
Butler, Myron C.; and Madore, Christopher, 4,837,811, Cl. 379-96.000.

Madore, Linda M.; and Zombeck, Alan, to Dow Corning Corporation. Particulate fabric laundering composition. 4,846,982, 7-11-89, Cl. 252-8.750.

Madou, Marc; Sher, Arden; and Spindt, Christopher J., to SRI International. Gas detection method and apparatus using chemisorption and/or physisorption. 4,795,968, 1-3-89, Cl. 324-61.00R.

Madou, Marc; Sher, Arden; and Spindt, Christopher J., to SRI International. Capacitive gas detector having a solid rare earth fluoride dielectric. 4,864,462, 9-5-89, Cl. 361-280.000.

Madou, Marc J.; and Otagawa, Takaaki, to SRI International. Fast response time microsensors for gaseous and vaporous species. 4,812,221, 3-14-89, Cl. 204-412.000.

Madou, Marc J.; Otagawa, Takaaki; and Sher, Arden, to SRI-International. Solid compositions for fuel cells, sensors and catalysts. 4,851,303, 7-25-89, Cl. 429-13.000.

Madou, Marc J.; and Otagawa, Takaaki, to SRI International. Microelectrochemical sensor and sensor array. 4,874,500, 10-17-89, Cl. 204-412.000.

Madou, Marc J.: *See—*
Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., 4,795,542, Cl. 204-403.000.

Madrange, Annie; and Canivet, Patrick, to L'Oreal. Detergent cosmetic compositions containing a soap and cationic compound and direct dye. 4,820,308, 4-11-89, Cl. 8-405.000.

Madrid, Miguel T., Jr.: *See—*
Archer, Gary D.; Huff, Eugene G.; Madrid, Miguel T., Jr.; and Yoshii, Akio, 4,873,625, Cl. 364-200.000.

Madron, John P.: *See—*
Acker, Robert M.; and Madron, John P., 4,846,266, Cl. 165-115.000.

Madsen, Brent: *See—*
Slobodzian, Greg; Kersey, Bill; and Madsen, Brent, 4,820,956, Cl. 315-51.000.

Madsen, Claus H.; and Hansen, Charles M., to CPS KEMI ApS. Liquid for removing printing and screen printing inks: butyrolactone and/or N-methyl-2-pyrrolidone and propylene glycol derivative. 4,836,950, 6-6-89, Cl. 252-153.000.

Madsen, Erik; and Kroman, Flemming, to emc-tamaco a/s. Method, a binder and a binding machine for closing hose or bag shaped packings, primarily tubular foodstuff packings. 4,878,702, 11-7-89, Cl. 292-307.000.

Madsen, Erik H. Numismatic detector. 4,811,040, 3-7-89, Cl. 354-75.000.

Madsen, Ernest L.; Zagzebski, James A.; and Frank, Gary R., to Wisconsin Alumni Research Foundation. Ultrasound phantom. 4,843,866, 7-4-89, Cl. 73-1.0DV.

Madsen, Evan L. Expansion joint for concrete and method for use. 4,815,886, 3-28-89, Cl. 403-28.000.

Madsen, Harold L. Drapery hanger and manipulator. 4,881,588, 11-21-89, Cl. 160-345.000.

Madsen, John J. Disposable one-piece seat liner. 4,840,841, 6-20-89, Cl. 428-286.000.

Madsen, Kay; and Ludding, Frans, to Critikon, Inc. Pump control system. 4,850,805, 7-25-89, Cl. 417-18.000.

Madsen, Knud: *See—*
Johansson, Roland T. W.; Langh, Stig A.; and Madsen, Knud, 4,851,737, Cl. 315-8.000.

Madsen, Knud E.; and Nielsen, Runo R., to Bang & Olufsen A/S. Television receiver having means for the suppression of line flicker. 4,888,529, 12-19-89, Cl. 315-370.000.

Madsen, Niels F. Decanter centrifuge. 4,828,541, 5-9-89, Cl. 494-53.000.

Madura, Francis E.: *See*—
Altherr, Russell G.; Glaser, Richard L.; Madura, Francis E.; and Radwill, Robert P., 4,871,182, Cl. 280-434.000.

Madzgalla, Frank-Wilhelm: *See*—
Erben, Ralf; Langert, Albert; Madzgalla, Frank-Wilhelm; and Madzgalla, Hans-Georg, 4,860,858, Cl. 188-71.800.

Madzgalla, Hans-Georg: *See*—
Erben, Ralf; Langert, Albert; Madzgalla, Frank-Wilhelm; and Madzgalla, Hans-Georg, 4,860,858, Cl. 188-71.800.

Mae, Shigenori: *See*—
Iwata, Yasuo; Mae, Shigenori; Urai, Yoshio; and Tsunoda, Takayuki, 4,889,557, Cl. 75-249.000.

Mae, Yoshiharu; and Sakonooka, Akihiko, to Mitsubishi Metal Corporation. High damping zinc alloy with good intergranular corrosion resistance and high strength at both room and elevated temperatures. 4,808,243, 2-28-89, Cl. 148-3.000.

Mae, Yoshiharu; Oka, Tsutomu; and Hirano, Atsushi, to Mitsubishi Kinzoku Kabushiki Kaisha. High strength Ti alloy material having improved workability and process for producing the same. 4,889,170, 12-26-89, Cl. 148-407.000.

Maeba, Yoshiyasu; Toyoda, Satoru; and Naruse, Humio, to Nihon Shinku Gijutsu Kabushiki Kaisha. Fine particle collector trap for vacuum evacuating system. 4,816,046, 3-28-89, Cl. 55-209.000.

Maeba, Yukio, to Murata Manufacturing Co., Ltd. Direct current power unit. 4,819,145, 4-4-89, Cl. 363-63.000.

Maeba, Yukio; and Igashira, Kiyoteru, to Murata Manufacturing Co., Ltd. High-voltage power supply apparatus. 4,841,425, 6-20-89, Cl. 363-21.000.

Maeda, Akio, to Kabushiki Kaisha Chiyoda Kagaku Kenkyusho. Sizing agent. 4,826,570, 5-2-89, Cl. 162-158.000.

Maeda, Akira; Sano, Koichi; Yokoyama, Tetsuo; Koizumi, Hideaki; and Mizuno, Hirotaka, to Hitachi, Ltd. Image reconstruction method in nuclear magnetic resonance imaging system. 4,875,012, 10-17-89, Cl. 324-309.000.

Maeda, Akira: *See*—
Inaba, Shigemitsu; Ootaka, Kazuto; and Maeda, Akira, 4,884,978, Cl. 439-352.000.

Maeda, Edwin V.; and Black, James R., to United Technologies Corporation. Fastener with airflow opening. 4,820,097, 4-11-89, Cl. 411-366.000.

Maeda, Eiichi: *See*—
Takahashi, Hajime; and Maeda, Eiichi, 4,820,232, Cl. 446-178.000.

Maeda, Eiji: *See*—
Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.

Maeda, Hideatsu: *See*—
Katsura, Tatsuo; Maeda, Hideatsu; Sakai, Tsukasa; and Tsuda, Keishiro, 4,804,834, Cl. 250-211.00R.

Maeda, Hidenori: *See*—
Miura, Nobuo; Nakayama, Hitoshi; Ishii, Nolihisa; and Maeda, Hidenori, 4,827,891, Cl. 123-598.000.

Maeda, Hideo; and Nishio, Ken-ichi, to Sumitomo Chemical Company, Limited. Fiber-reinforced metallic composite material. 4,847,167, 7-11-89, Cl. 428-614.000.

Maeda, Hideo: *See*—
Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.

Maeda, Hiroaki; and Nakamura, Masahiko, to Aisin Seiki Kabushiki Kaisha. Control system for automatic transmission. 4,885,960, 12-12-89, Cl. 74-866.000.

Maeda, Hiroaki: *See*—
Inagaki, Toshiyuki; and Maeda, Hiroaki, 4,860,873, Cl. 192-113.00B.

Maeda, Hirofumi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for production of foamed articles in mold of polypropylene resins. 4,830,798, 5-16-89, Cl. 264-50.000.

Maeda, Hirofumi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for production of expansion-molded articles in a mold of linear low density polyethylene resins. 4,861,531, 8-29-89, Cl. 264-50.000.

Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, to Fuji Oil Company, Limited. Hard butter composition. 4,882,192, 11-21-89, Cl. 426-607.000.

Maeda, Hirokazu: *See*—
Baba, Hideki; Maeda, Hirokazu; Kurooka, Akira; and Nago, Atsushi, 4,861,611, Cl. 426-601.000.
Higuchi, Kiyoyuki; Maeda, Hirokazu; Hidaka, Hiroshi; Iwasa, Hiroshi; Ebihara, Yoshitaka; Asahara, Kazuhito; and Kubota, Hayato, 4,795,569, Cl. 210-770.000.
Sagi, Nobuo; Izumi, Tsugio; Kida, Haruyasu; and Maeda, Hirokazu, 4,839,192, Cl. 426-607.000.

Maeda, Hiromu; Haraguchi, Kazuo; and Ohbuchi, Yasutsugu, to Kabushiki Kaisha Maki Seisakusho. Method and device for distributing and feeding. 4,860,882, 8-29-89, Cl. 198-458.000.

Maeda, Hiromu: *See*—
Suzuki, Motofumi; and Maeda, Hiromu, 4,825,068, Cl. 250-223.00R.

Maeda, Hiroshi. Method of exterminating insects under the floor of a house or building. 4,805,341, 2-21-89, Cl. 43-132.100.

Maeda, Hiroshi. Method of exterminating insects under the floor of a house or building. 4,809,462, 3-7-89, Cl. 43-124.000.

Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, to Maeda, Hiroshi; and Amano Pharmaceutical Co., Ltd., a part interest. Anti-tumor protease preparations. 4,844,897, 7-4-89, Cl. 424-94.300.

Maeda, Hiroshi: *See*—
Cullen, Walter P.; Hauske, James R.; Maeda, Hiroshi; and Tone, Junsuke, 4,835,141, Cl. 514-30.000.
Matsuda, Tsukasa; Ui, Kazuo; and Maeda, Hiroshi, 4,874,089, Cl. 206-397.000.

Maeda, Hiroyuki: *See*—
Ohkawa, Fujio; Higashidani, Akira; and Maeda, Hiroyuki, 4,854,555, Cl. 267-64.240.

Maeda Industries, Ltd.: *See*—
Iwasaki, Yoshihisa, 4,869,710, Cl. 474-160.000.

Maeda, Katsuya: *See*—
Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.

Maeda, Kazuhiko; and Koishi, Toshio, to Central Glass Company, Limited. Optical information recording card using phase separation of polymer blend. 4,835,048, 5-30-89, Cl. 428-323.000.

Maeda, Kazuhiko, to Central Glass Company, Limited. Optical information recording card using polymer blend as recording material. 4,851,323, 7-25-89, Cl. 430-275.000.

Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, to Central Glass Company, Limited. Polymer blend composition suitable as optical material. 4,861,835, 8-29-89, Cl. 525-200.000.

Maeda, Kazuhiko: *See*—
Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, 4,842,369, Cl. 350-96.340.

Maeda, Kazuhiro: *See*—
Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, 4,857,527, Cl. 514-237.200.

Maeda, Kazuya: *See*—
Nakamura, Tadashi; Kitabatake, Yaosuo; Takahashi, Yoshiaki; and Maeda, Kazuya, 4,859,560, Cl. 430-137.000.

Maeda, Kazuyuki: *See*—
Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, Cl. 71-90.000.
Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, 4,835,282, Cl. 548-213.000.
Kohama, Takuji; Minagawa, Fumiyasu; Shinjo, Goro; Tsuda, Shigenori; and Maeda, Kazuyuki, 4,834,977, Cl. 424-405.000.

Maeda, Kenji: *See*—
Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, 4,845,193, Cl. 528-502.000.

Maeda, Kimio: *See*—
Kiya, Nobuyuki; and Maeda, Kimio, 4,878,171, Cl. 364-474.290.

Maeda, Kiyoto: *See*—
Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, 4,868,178, Cl. 514-241.000.
Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.
Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.
Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.

Maeda, Koichi: *See*—
Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.

Maeda, Koji; and Oka, Osamu, to Nisshin Flour Milling Co., Ltd.; and Oriental Yeast Co., Ltd. α-amylase inhibitor. 4,806,626, 2-21-89, Cl. 530-375.000.

Maeda, Koji: *See*—
Tsujita, Satoshi; Maeda, Koji; and Eguchi, Yasuteru, 4,871,396, Cl. 106-286.800.

Maeda, Kouji: *See*—
Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.
Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.

Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, to Nichiban Company Limited. Adhesive sheet for preventing aquatic growths and method for preventing aquatic growths. 4,814,227, 3-21-89, Cl. 428-353.000.

Maeda, Mamoru: *See*—
Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.

Maeda, Masahiko, to Mita Industrial Co., Ltd. Copying machine having removable process unit in a housing. 4,803,510, 2-7-89, Cl. 355-3.00R.

Maeda, Masahiko; Fujihira, Ryutaro; Moteki, Yoshihiro; Watanabe, Naotoshi; and Sakon, Yuichi, to Showa Denko Kabushiki Kaisha. Heat-resistant wire. 4,826,726, 5-2-89, Cl. 428-379.000.

Maeda, Masao; and Kodama, Yoshihiro, to Arakawa Kagaku Kogyo Kabushiki Kaisha. Process for preparing rosin ester with esterification and hydrogenation. 4,847,010, 7-11-89, Cl. 530-216.000.

Maeda, Masao; Fukuse, Michiyo; Miyaaki, Tohru; and Miyake, Toshio, to Kanebo, Ltd.; and Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Chewing gum and a method of manufacturing the same. 4,889,728, 12-26-89, Cl. 426-5.000.

Maeda, Masaru: *See*—
Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, 4,861,886, Cl. 546-16.000.

Maeda, Masato, to Yokogawa Electric Corporation. Apparatus for measuring combustible gas concentration in flue gas. 4,828,673, 5-9-89, Cl. 204-427.000.

Maeda, Masato; and Takeuchi, Hideo, to Yokogawa Electric Corporation. Paramagnetic oxygen analyzer. 4,860,574, 8-29-89, Cl. 73-27.00A.

Maeda, Masaya, to Canon Kabushiki Kaisha. Apparatus for causing a head to access a selected one of a plurality of tracks. 4,799,205, 1-17-89, Cl. 369-43.000.

Maeda, Masaya, to Canon Kabushiki Kaisha. Device for recording and reproduction having head moving means. 4,811,139, 3-7-89, Cl. 360-77.020.

Maeda, Masaya, to Canon Kabushiki Kaisha. Transducer shifting device. 4,833,557, 5-23-89, Cl. 360-106.000.

Maeda, Masaya, to Canon Kabushiki Kaisha. Head shifting device. 4,841,397, 6-20-89, Cl. 360-105.000.

Maeda, Masaya, to Canon Kabushiki Kaisha. Head feed device. 4,858,046, 8-15-89, Cl. 360-106.000.

Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, to Canon Kabushiki Kaisha. Video system. 4,872,072, 10-3-89, Cl. 360-33.100.

Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, to Canon Kabushiki Kaisha. Video system. 4,888,651, 12-19-89, Cl. 358-335.000.

Maeda, Masaya: *See*—
Kinoshita, Takao; and Maeda, Masaya, 4,801,956, Cl. 354-3.000.
Okauchi, Shigeki; and Maeda, Masaya, 4,843,501, Cl. 360-99.060.
Uehara, Tsukasa; Maeda, Masaya; and Nishimura, Akimasa, 4,872,076, Cl. 360-99.070.

Maeda, Michio; and Hashimoto, Kiyoshi, to Kabushiki Kaisha Toshiba. Ink-jet printing apparatus and film nozzle member used in the same. 4,870,432, 9-26-89, Cl. 346-140.00R.

Maeda, Minoru: *See*—
Azuma, Nobuyuki; Nakamura, Kazuo; Maeda, Minoru; and Yamada, Mamoru, 4,842,840, Cl. 423-345.000.
Azuma, Nobuyuki; Maeda, Minoru; and Nakamura, Kazuo, 4,853,204, Cl. 423-344.000.
Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.
Ishikawa, Shun-ichi; Imagawa, Tadao; Maeda, Minoru; and Shinozaki, Fumiaki, 4,837,106, Cl. 430-138.000.
Maemoto, Kazuo; Iwasaki, Masayuki; Maeda, Minoru; and Aotani, Yoshimasa, 4,876,173, Cl. 430-271.000.
Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.

Maeda, Mitsuaki; and Sasaki, Takuma, to Sumitomo Pharmaceuticals Company, Ltd. Liposoluble platinum (II) complex and preparation thereof. 4,880,832, 11-14-89, Cl. 514-492.000.

Maeda, Mitsutoshi: *See*—
Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi; and Maeda, Mitsutoshi, 4,839,525, Cl. 250-560.000.

Maeda, Naoki, to Sumitomo ELectric Industries, Ltd. Binary coding circuit for OCR. 4,856,076, 8-8-89, Cl. 382-53.000.

Maeda, Naoki, to Sumitomo Electric Industries, Ltd. Binary coding circuit. 4,881,188, 11-14-89, Cl. 364-713.000.

Maeda, Naoyuki, to Tokai TRW & Co., Ltd. Electric power steering apparatus having motor braking function. 4,802,544, 2-7-89, Cl. 180-79.100.

Maeda, Naoyuki; Nii, Akira; Yamamoto, Shunichi; and Uemura, Seiichi, to Nippon Oil Company, Limited. Melt spinning apparatus. 4,850,836, 7-25-89, Cl. 425-72.200.

Maeda, Nobuaki, to Mitsubishi Denki Kabushiki Kaisha. Magnetic disk apparatus. 4,835,641, 5-30-89, Cl. 360-104.000.

Maeda, Nobuaki: *See*—
Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, 4,819,110, Cl. 360-106.000.

Maeda, Nobutaka: *See*—
Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.
Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.

Maeda, Norihide: *See*—
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; and Miyoshi, Masayasu, 4,797,990, Cl. 29-568.000.
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; and Miyoshi, Masayasu, 4,797,991, Cl. 29-568.000.

Maeda, Ralph H.: *See*—
Brafford, James M.; and Maeda, Ralph H., 4,844,565, Cl. 312-107.500.

Maeda, Ryoji, to Nissan Motor Co., Ltd. Front structure for automotive vehicles. 4,886,314, 12-12-89, Cl. 296-192.000.

Maeda, Ryu; Fukuoka, Shingoro; and Yatabe, Hiroshi, to Furukawa Electric Co., Ltd., The. Aluminum enamel board. 4,842,959, 6-27-89, Cl. 428-630.000.

Maeda, Sadahiko; Takahashi, Hideaki; Idei, Yasumasa; and Nishida, Masahiro, to Ube Industries, Ltd. Two fluidized bed type boiler. 4,815,418, 3-28-89, Cl. 122-4.00D.

Maeda, Sadahiko; Yokota, Shinjiro; and Idei, Yasumasa, to Ube Industries, Ltd. Solid fuels. 4,863,488, 9-5-89, Cl. 44-589.000.

Maeda, Sadao, to Maeda Shell Service Co., Ltd.; and J&M Co., Ltd. In-line filter assembly for compressed air. 4,848,989, 7-18-89, Cl. 55-319.000.

Maeda, Sadayuki; Nakamura, Usao; and Sakanaka, Makoto, to Hamari Chemicals Ltd. N^{ϵ}-trifluoroacetyl-L-lysyl-L-proline.D-10-camphorsulfonic acid salt and process for producing the same. 4,868,312, 9-19-89, Cl. 548-535.000.

Maeda, Satoru; and Yatou, Shigeru, to Sony Corporation. User terminal for videotex. 4,805,119, 2-14-89, Cl. 364-518.000.

Maeda, Satoru, to Sony Corporation. Display terminal control system. 4,812,998, 3-14-89, Cl. 364-518.000.

Maeda, Satoru, to Kabushiki Kaisha Toshiba. Pick-up control circuits for disc information reproducing apparatus. 4,853,913, 8-1-89, Cl. 369-32.000.

Maeda, Satoru: *See*—
Murashima, Hirotsugu; Maeda, Satoru; and Hirano, Shunji, 4,841,370, Cl. 358-227.000.
Murashima, Hirotsugu; and Maeda, Satoru, 4,853,788, Cl. 358-227.000.
Murashima, Hirotsugu; and Maeda, Satoru, 4,853,789, Cl. 358-227.000.

Maeda, Satoshi, to Fuji Jukogyo Kabushiki Kaisha. Crank angle detecting system for an internal combustion engine. 4,827,886, 5-9-89, Cl. 123-414.000.

Maeda, Satoshi; and Sawada, Shizuo, to Kabushiki Kaisha Toshiba. Semiconductor memory device having high capacitance and improved radiation immunity. 4,833,647, 5-23-89, Cl. 365-182.000.

Maeda, Satoshi; and Iwai, Hiroshi, to Kabushiki Kaisha Toshiba. Semiconductor device. 4,872,042, 10-3-89, Cl. 357-23.600.

Maeda, Satoshi; Yoneda, Ryu; Yokota, Kenichi; and Miyake, Hideo, to Toyo Boseki Kabushiki Kaisha. Ceramic substrate for printed circuits and production thereof. 4,888,208, 12-19-89, Cl. 427-96.000.

Maeda, Satoshi: *See*—
Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,832,464, Cl. 350-3.720.

Maeda, Seiichi: *See*—
Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.

Maeda Shell Service Co., Ltd.: *See*—
Maeda, Sadao, 4,848,989, Cl. 55-319.000.

Maeda, Shigeki, to NEC Corporation. Word synchronizer. 4,870,646, 9-26-89, Cl. 371-42.000.

Maeda, Shigeki: *See*—
Yoshimoto, Makoto; and Maeda, Shigeki, 4,811,021, Cl. 342-361.000.

Maeda, Shigemi: *See*—
Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.
Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.

Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, to Nippon Steel Corporation; Suntory Limited; and Kansai Paint Company, Ltd. Materials having a deoxidation function and a method of removing oxygen in sealed containers. 4,877,664, 10-31-89, Cl. 428-35.900.

Maeda, Shiro: *See*—
Yagi, Hirokazu; Maeda, Shiro; and Kondo, Yoshiaki, 4,813,647, Cl. 251-129.050.

Maeda, Shosaku: *See*—
Aoshima, Shigeru; Kamiunten, Shoji; and Maeda, Shosaku, 4,825,704, Cl. 73-861.420.

Maeda, Shuichi: *See*—
Hirahara, Takuji; Nakamura, Takashi; Aoyama, Yoshiko; and Maeda, Shuichi, 4,814,366, Cl. 524-89.000.
Kinoshita, Masafumi; Maeda, Shuichi; and Urabe, Akira, 4,870,118, Cl. 523-207.000.
Murata, Yukichi; and Maeda, Shuichi, 4,816,435, Cl. 503-227.000.
Murata, Yukichi; and Maeda, Shuichi, 4,829,049, Cl. 503-227.000.
Niwa, Toshio; Himeno, Kiyoshi; Hibara, Toshio; and Maeda, Shuichi, 4,801,696, Cl. 534-761.000.
Niwa, Toshio; Murata, Yukichi; and Maeda, Shuichi, 4,829,047, Cl. 503-227.000.

Maeda, Shuji: *See*—
Sakamoto, Takaaki; Itoh, Munehiko; and Maeda, Shuji, 4,874,826, Cl. 525-534.000.

Maeda, Takanori, to Pioneer Electronic Corporation. Astigmatism generator. 4,805,992, 2-21-89, Cl. 350-286.000.

Maeda, Takanori; and Nomura, Susumu, to Pioneer Electronic Corporation. Focus error detecting apparatus. 4,847,480, 7-11-89, Cl. 250-201.000.

Maeda, Takanori, to Pioneer Electronic Corporation. Optical focus error control pickup device for an optical recording/reproducing system. 4,862,446, 8-29-89, Cl. 369-112.000.

Maeda, Takashi: *See*—
Yamada, Takashi; Arimune, Hisao; and Maeda, Takashi, 4,851,096, Cl. 204-192.230.

- Maeda, Takeshi: *See—*
  - Kaku, Toshimitsu; Shigematsu, Kazuo; Tsunoda, Yoshito; and Maeda, Takeshi, 4,807,210, Cl. 369-44.000.
  - Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
  - Kaku, Toshimitsu; Tsunoda, Yoshito; Maeda, Takeshi; and Nakamura, Shigeru, 4,855,991, Cl. 369-275.000.
  - Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, 4,866,687, Cl. 369-32.000.
  - Kataoka, Keiji; Maeda, Takeshi; and Tsunoda, Yoshito, 4,802,153, Cl. 369-45.000.
  - Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
  - Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, 4,835,759, Cl. 369-59.000.
  - Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; and Takasugi, Wasao, 4,866,692, Cl. 369-59.000.
- Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, to Kawasaki Jukogyo Kabushiki Kaisha. Metal-making apparatus involving the smelting reduction of metallic oxides. 4,886,246, 12-12-89, Cl. 266-157.000.
- Maeda, Tatsumi: *See—*
  - Yokoyama, Hirotaka; Ido, Tadashi; Maeda, Tatsumi; and Kurisu, Shunji, 4,837,092, Cl. 428-694.000.
- Maeda, Tatsuo: *See—*
  - Chado, Hiroyuki; Maeda, Tatsuo; and Nakano, Mitsusou, 4,875,733, Cl. 296-195.000.
- Maeda, Tatuaki: *See—*
  - Kunimoto, Akihiro; Takabayashi, Seiichirou; Nakamura, Morio; and Maeda, Tatuaki, 4,810,419, Cl. 252-511.000.
- Maeda, Teizou; Kubota, Toshihiro; and Ishii, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Holographic multiplexer/demultiplexer and its manufacturing method. 4,824,193, 4-25-89, Cl. 350-3.720.
- Maeda, Tetsuo; Ohta, Hirofumi; and Inazumi, Hirokuni, to Omron Tateisi Electronics Co. Planar linear pulse motor. 4,860,183, 8-22-89, Cl. 363-12.000.
- Maeda, Tetsuro, to Denki Kagaku Kogyo Kabushiki Kaisha. Polymer composition. 4,812,516, 3-14-89, Cl. 525-83.000.
- Maeda, Tetsuro; Wada, Fukuaki; Ohoka, Susumu; and Okamoto, Akihiro, to Denki Kagaku Kogyo Kabushiki Kaisha. Plated resin article. 4,876,145, 10-24-89, Cl. 428-327.000.
- Maeda, Tomohisa, to Kabushiki Kaisha Toshiba. System for generating magnetic fields utilized for magnetic resonance imaging apparatus. 4,862,086, 8-29-89, Cl. 324-318.000.
- Maeda, Toshihiro: *See—*
  - Eda, Yasuyuki; Maeda, Toshihiro; Nishiyama, Kiyoto; and Tashiro, Akira, 4,883,752, Cl. 435-68.000.
- Maeda, Toyohiro: *See—*
  - Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.
- Maeda, Tsutomu; Matsui, Kiyoshi; Kanno, Takayuki; and Sato, Kunihiro. Ingition system. 4,841,944, 6-27-89, Cl. 123-647.000.
- Maeda, Tsutomu: *See—*
  - Watabe, Seiji; Yokoyama, Isao; Maeda, Tsutomu; Shibuya, Koichi; and Takahashi, Sumio, 4,841,267, Cl. 335-210.000.
- Maeda, Tsuyoshi, to Kabushiki Kaisha Toshiba. Printer with sheet guide and separator. 4,806,035, 2-21-89, Cl. 400-647.100.
- Maeda, Yasuharu: *See—*
  - Katayama, Kiichiro; Masuhara, Kenichi; Maeda, Yasuharu; and Wakabayashi, Koji, 4,844,753, Cl. 148-251.000.
- Maeda, Yasunori: *See—*
  - Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.
  - Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.
- Maeda, Yasushi: *See—*
  - Karakane, Hiroki; Maeda, Yasushi; and Tsuyumoto, Michio, 4,871,461, Cl. 210-638.000.
- Maeda, Yorishige, to Toyota Jidosha Kabushiki Kaisha. Three-piece oil-ring with a slot. 4,798,391, 1-17-89, Cl. 277-139.000.
- Maeda, Yoshihiro; Morisaka, Manabu; and Matsumoto, Hisayoshi, to Toyota Jidosha Kabushiki Kaisha; and Kojima Press Industry Co., Ltd. Storage box for vehicles. 4,848,627, 7-18-89, Cl. 224-275.000.
- Maeda, Yoshimi, to Shimano Industrial Company Limited. Fishing rod and a manufacturing method therefor. 4,854,068, 8-8-89, Cl. 43-18.500.
- Maeda, Yoshinori: *See—*
  - Okamoto, Tadashi; Kadota, Hiroshi; Miyake, Jiro; Okabayashi, Ichiro; and Maeda, Yoshinori, 4,879,687, Cl. 365-200.000.
- Maeda, Yoshiyasu; Inoue, Yasuhiro; Uno, Toshiyuki; and Suzuki, Kazuyoshi, to Murata Kikai Kabushiki Kaisha. Method for quality control of textured yarn. 4,888,945, 12-26-89, Cl. 57-264.000.
- Maeda, Youji: *See—*
  - Ito, Katsuo; Sawabe, Toichiro; and Maeda, Youji, 4,870,701, Cl. 455-326.000.
- Maeda, Yuji: *See—*
  - Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.
- Maeda, Yukio, to Matsushita Electric Industrial Co., Ltd. Method for mounting electronic parts. 4,880,486, 11-14-89, Cl. 156-273.500.
- Maeda, Yutaka; and Makiyama, Hiroyuki, to Minolta Camera Kabushiki Kaisha. Magazine for containing strip of recording medium. 4,854,519, 8-8-89, Cl. 242-71.100.
- Maeda, Yutaka, to Minolta Camera Kabushiki Kaisha. Laser scanning with an elastic nip roller. 4,855,759, 8-8-89, Cl. 346-108.000.
- Maeder, Phillip M.: *See—*
  - McKamey, Porter L.; and Maeder, Phillip M., 4,888,842, Cl. 15-1.700.
- Maegaki, Yasunobu: *See—*
  - Takahashi, Motoshi; Henmi, Kazuya; Chiba, Hiroshi; and Maegaki, Yasunobu, 4,807,145, Cl. 364-474.170.
- Maehara, Hirokazu: *See—*
  - Matsumoto, Osamu; and Maehara, Hirokazu, 4,870,944, Cl. 123-585.000.
  - Matsumoto, Osamu; Sumida, Mamoru; and Maehara, Hirokazu, 4,880,207, Cl. 251-337.000.
- Maehara, Hiroyuki: *See—*
  - Sasaki, Yoshinari; Oda, Etsuji; Nagata, Hirozumi; Kurita, Naoki; and Maehara, Hiroyuki, 4,820,464, Cl. 264-40.100.
- Maehara, Katsumi: *See—*
  - Ishii, Akira; Maehara, Katsumi; Boening, Bernward; and Akakabe, Yoshifumi, 4,844,558, Cl. 303-119.000.
- Maehara, Kenso, to Ryobi Ltd. Printing machine for printing continuous slip. 4,864,928, 9-12-89, Cl. 101-218.000.
- Maehara, Masaaki: *See—*
  - Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
- Maehara, Masanori; Kumagai, Takao; Yoshida, Shuji; and Tsuyama, Manabu, to Sony Corporation. Magnetic tape cassette loading mechanism in recording and/or reproducing apparatus. 4,870,517, 9-26-89, Cl. 360-96.500.
- Maehara, Naoyoshi: *See—*
  - Bessyo, Daisuke; Maehara, Naoyoshi; Sakamoto, Kazuho; Kusunoki, Shigeru; and Matsumoto, Takahiro, 4,851,629, Cl. 219-10.55B.
  - Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.
  - Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara, Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, 4,812,960, Cl. 363-20.000.
- Maehara, Shigeharu, to Sharp Kabushiki Kaisha. Composite copier with trimming and masking modes of operation. 4,811,054, 3-7-89, Cl. 355-40.000.
- Maehara, Shigeharu: *See—*
  - Okamoto, Yuji; Maehara, Shigeharu; and Fujiwara, Katsuyoshi, 4,853,748, Cl. 355-55.000.
- Maehara, Tadashi: *See—*
  - Hara, Hideo; Maehara, Tadashi; Eshima, Masahazu; Morita, Hirofumi; and Kojima, Hiroshi, 4,815,514, Cl. 152-531.000.
- Maehara, Toshifumi, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. Anti-lock control device in a 2-channel diagonal brake system. 4,844,555, 7-4-89, Cl. 303-92.000.
- Maehara, Toshifumi; and Sakai, Takashi, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. Apparatus for controlling brake fluid pressure of vehicle. 4,867,509, 9-19-89, Cl. 303-92.000.
- Maehara, Toshifumi, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. Hydraulic power booster. 4,884,492, 12-5-89, Cl. 91-370.000.
- Maehara, Toshihiro: *See—*
  - Ishikawa, Kazushige; Mochizuki, Kenji; Maehara, Toshihiro; and Hagiri, Masaharu, 4,873,586, Cl. 358-342.000.
- Maehara, Yasuhiro; and Tarutani, Yoshio, to Sumitomo Metal Industries, Ltd. Hot working method for producing a superplastic ferrous duplex-phase alloy. 4,812,177, 3-14-89, Cl. 148-12.0EA.
- Maehara, Yasuhiro: *See—*
  - Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.
- Maehara, Yoshiaki, to Matsushita Electric Industrial Co., Ltd. Image reader with image point data averaging. 4,866,290, 9-12-89, Cl. 250-578.000.
- Maehara, Yoshimi: *See—*
  - Mizutani, Hikaru; and Maehara, Yoshimi, 4,881,696, Cl. 242-199.000.
- Maehashi, Tatsuichi: *See—*
  - Koshizuka, Kunihiro; Inaba, Yoshihiro; Abe, Takao; and Maehashi, Tatsuichi, 4,828,922, Cl. 428-412.000.
- Maehashi, Yukio: *See—*
  - Itoku, Osamu; Maehashi, Yukio; and Nishiguchi, Yukihiro, 4,807,117, Cl. 364-200.000.
  - Katori, Shigetatsu; and Maehashi, Yukio, 4,839,797, Cl. 364-200.000.
  - Nasu, Masaki; Katori, Shigetatsu; Maehashi, Yukio; and Yoshizawa, Kazutoshi, 4,847,867, Cl. 375-36.000.
  - Nomura, Masahiro; and Maehashi, Yukio, 4,860,191, Cl. 364-200.000.
- Maei, Shigeki: *See—*
  - Hayashi, Hiroshi; Maei, Shigeki; Yamamoto, Osamu; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,864,585, Cl. 372-92.000.

  - Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, 4,829,531, Cl. 372-19.000.
  - Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, 4,817,109, Cl. 372-92.000.
  - Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
  - Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, 4,860,305, Cl. 372-92.000.
  - Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,811,350, Cl. 372-43.000.
- Maejima, Hideo: *See—*
  - Iwamura, Masahiro; Hotta, Takashi; and Maejima, Hideo, 4,849,658, Cl. 307-446.000.
  - Iwamura, Masahiro; Maejima, Hideo; and Masuda, Ikuro, 4,853,560, Cl. 307-296.100.
  - Katsura, Koyo; Maejima, Hideo; and Kajiwara, Hisashi, 4,862,150, Cl. 340-703.000.
  - Kida, Hiroyuki; and Maejima, Hideo, 4,835,679, Cl. 364-200.000.
- Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for coating a substrate with a coating material. 4,875,434, 10-24-89, Cl. 118-52.000.
- Maejima, Toshiro, to Yazaki Corporation. Synthetic resin electrical connector. 4,832,623, 5-23-89, Cl. 439-660.000.
- Maejima, Toshiro; and Inaba, Shigemitsu to Yazaki Corporation. Connector. 4,871,325, 10-3-89, Cl. 439-353.000.
- Maekawa, Hideya; and Kawamura, Tokimasa, to NGK Insulators, Ltd. Constant amount ceramic batch supplying apparatus. 4,826,425, 5-2-89, Cl. 425-586.000.
- Maekawa, Hideya: *See—*
  - Ihara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, 4,861,626, Cl. 427-133.000.
- Maekawa, Hiromi, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,850,361, 7-25-89, Cl. 128-660.040.
- Maekawa, Hiroshi, to Murata Kikai Kabushiki Kaisha. Palletizing system for articles. 4,850,783, 7-25-89, Cl. 414-792.900.
- Maekawa, Hirotoshi, to Mitsubishi Denki Kabushiki Kaisha. Fault diagnosis system for electronic devices on automobiles. 4,862,371, 8-29-89, Cl. 364-431.110.
- Maekawa, Hitoshi, to Hitachi, Ltd. Method and apparatus for converting an image signal. 4,814,873, 3-21-89. Cl. 358-140.000.
- Maekawa, Hitoshi: *See—*
  - Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, [illegible]hiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. [illegible]6-72.000.
- Maekawa, Junichi; Ugawa, Satoru; and Obuchi, Satoshi, deceased (by Obuchi, Fukashi, Ruriko Obuchi, legal representatives), to Nissan Motor Co., Ltd.; and Ohi Seisakusho Co., Ltd. Wire-type window regulator with wire tensioner. 4,823,512, 4-25-89, Cl. 49-352.000.
- Maekawa, Katsumi; and Ambo, Tatsuaki, to Kabushiki Kaisha Toshiba. PWM controller having synchronous and asynchronous mode. 4,860,186, 8-22-89, Cl. 363-41.000.
- Maekawa, Kazuhiro: *See—*
  - Matsuo, Koichiro; Maekawa, Kazuhiro; and Kondo, Teruhisa, 4,888,242, Cl. 428-408.000.
- Maekawa, Kengo; Suzuki, Moitsu; Nakano, Yukiya; and Tani, Hisahiko, to Kabushiki Kaisha Asaplan. Dripping sound generating apparatus. 4,852,685, 8-1-89, Cl. 181-175.000.
- Maekawa, Kouji: *See—*
  - Kato, Mamoru; Maekawa, Kouji; Matsunobu, Kenichi; Fujie, Naoka; and Hazama, Hiroyuki, 4,826,750, Cl. 430-122.000.
- Maekawa, Masashi: *See—*
  - Awane, Katunobu; Koba, Masayoshi; Miyajima, Toshiaki; and Maekawa, Masashi, 4,801,351, Cl. 156-603.000.
- Maekawa, Motoyuki: *See—*
  - Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, 4,875,445, Cl. 123-292.000.
- Maekawa, Nobuyoshi; Yokouchi, Hideya; Aruga, Tomoe; and Sugiyama, Tadashi, to Seiko Epson Kabushiki Kaisha. Disc drive. 4,825,314, 4-25-89, Cl. 360-99.080.
- Maekawa, Satosi, to Maekawa Seisakujo Co., Ltd. Toilet bowl with health testing system. 4,860,767, 8-29-89, Cl. 128-760.000.
- Maekawa Seisakujo Co., Ltd.: *See—*
  - Maekawa, Satosi, 4,860,767, Cl. 128-760.000.
- Maekawa, Takashi: *See—*
  - Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, 4,815,724, Cl. 271-121.000.
- Maekawa, Takashige; Oharu, Kazuya; and Sakaguchi, Tomoko, to Asahi Glass Company, Ltd. Water and oil repellant having desoiling properties. 4,859,754, 8-22-89, Cl. 526-245.000.
- Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, to Fujitsu Limited. Infrared detector. 4,795,907, 1-3-89, Cl. 250-352.000.
- Maekawa, Tokuo: *See—*
  - Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.
- Maekawa, Tomohiro: *See—*
  - Igaki, Masahiko; Rachi, Masahiro; and Maekawa, Tomohiro, 4,820,918, Cl. 250-231.0SE.
- Maekawa, Toshio; Yamauchi, Hiroshige; Toyota, Takashi; Sawayama, Akeo; and Yamanaka, Masaaki, to Oji Paper Co., Ltd. Electrostatic recording material. 4,795,676, 1-3-89, Cl. 428-328.000.
- Maekawa, Yoshihiro, to Mazda Motor Corporation. Front body structure of a motorcar. 4,840,423, 6-20-89, Cl. 296-194.000.
- Maekawa, Yukio; Metabi, Tsuneyo; and Niwa, Masatake, to Minolta Camera Kabushiki Kaisha. Mount arrangement and interchangeable lens unit for photographic camera. 4,864,341, 9-5-89, Cl. 354-286.000.
- Maekawa, Yukio: *See—*
  - Hamada, Masataka; Karasaki, Toshihiko; Matsui, Toru; and Maekawa, Yukio, 4,878,079, Cl. 354-402.000.
  - Mukunoki, Yasuo; and Maekawa, Yukio, 4,847,186, Cl. 430-523.000.
- Maelzer, Martin. Apparatus for testing printed circuit boards. 4,829,241, 5-9-89, Cl. 324-158.00F.
- Maemori, Takashi, to Fuji Photo Film Co., Ltd. Video camera with removable viewer and controls. 4,837,817, 6-6-89, Cl. 358-224.000.
- Maemoto, Kazuo; Iwasaki, Masayuki; Maeda, Minoru; and Aotani, Yoshimasa, to Fuji Photo Film Co., Ltd. Photopolymerizable composition on polyethylene terephthalate film support. 4,876,173, 10-24-89, Cl. 430-271.000.
- Maemoto, Kazuo: *See—*
  - Aoai, Toshiaki; Maemoto, Kazuo; Kamiya, Akihiko; and Misu, Hiroshi, 4,877,711, Cl. 430-176.000.
- Maempel, Lothar: *See—*
  - Hummerich, Rainer; Kerber, Michael; Maempel, Lothar; and Weyland, Peter, 4,861,826, Cl. 524-839.000.
- Maenaka, Koyu: *See—*
  - Shin, Tokujiro; Ida, Yoshio; and Maenaka, Koyu, 4,832,086, Cl. 139-435.000.
- Maendel, Benjamin, to Baker Colony Farms Ltd. Brooder lamp. 4,888,468, 12-19-89, Cl. 219-347.000.
- Maennel, Daniela: *See—*
  - Urbaschek, Renate; Urbaschek, Berhard; and Maennel, Daniela, 4,861,587, Cl. 424-85.100.
- Maeno, Hideshi; and Tada, Tetsuo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor test device. 4,813,043, 3-14-89, Cl. 371-27.000.
- Maeno, Hideshi: *See—*
  - Tada, Tetsuo; and Maeno, Hideshi, 4,801,871, Cl. 324-73.00R.
- Maeno, Hiroshi; and Tamamura, Hideo, to Canon Kabushiki Kaisha. Waterproof camera. 4,803,504, 2-7-89, Cl. 354-64.000.
- Maeno, Hiroshi; and Tamamura, Hideo, to Canon Kabushiki Kaisha. Camera. 4,811,039, 3-7-89, Cl. 354-64.000.
- Maeno, Hiroshi: *See—*
  - Oda, Noriyuki; Higashi, Katsumi; and Maeno, Hiroshi, 4,867,769, Cl. 55-302.000.
  - Tsuboi, Takayuki; Nakazawa, Isao; Maeno, Hiroshi; and Shiomi, Yasuhiko, 4,870,439, Cl. 354-195.120.
- Maeno, Hitoshi; Miyazawa, Azuma; and Maruyama, Astushi, to Olympus Optical Company Ltd. Motor drive and control apparatus for a camera. 4,878,077, 10-31-89, Cl. 354-400.000.
- Maeno, Kazuo: *See—*
  - Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.
- Maeno, Kazutoshi, to NEC Corporation. Channel assignment system for loop network. 4,879,714, 11-7-89, Cl. 370-85.700.
- Maeno, Masaya: *See—*
  - Izuhara, Seiji; Kitamori, Nobuyuki; and Maeno, Masaya, 4,868,180, Cl. 514-251.000.
- Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, to Oki Electric Industry Co., Ltd. Paper feed device and paper cassette therefor. 4,874,159, 10-17-89, Cl. 271-171.000.
- Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, to Fuji Xerox Co., Ltd.; and Shinko Electric Co., Ltd. Control apparatus for a color copying machine. 4,796,054, 1-3-89, Cl. 355-8.000.
- Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, to Shinko Electric Co., Ltd. System for driving drum. 4,837,493, 6-6-89, Cl. 318-685.000.
- Maeno, Seiji; Ozaki, Hidetaka; and Yamada, Hisashi, to Lion Corporation. Electrically conductive resin composition. 4,830,779, 5-16-89, Cl. 252-512.000.
- Maeno, Shin-ichiro: *See—*
  - Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
  - Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.
- Maeno, Shinichiro: *See—*
  - Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258.000.
- Maeno, Yorihiko; and Higashi, Shigeyasu, to Dipole Electronics Co., Ltd. Apparatus and method for measuring physical quantities. 4,890,054, 12-26-89, Cl. 324-58.50A.
- Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, to Toho Kinzoku Co., Ltd. Discharge electrode material composed of yttrium and rhenium or ruthenium. 4,882,519, 11-21-89, Cl. 313-633.000.
- Maeno, Yosimi: *See—*
  - Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.

Maerfeld, Charles, to C G R Ultrasonic. Echography probe and echograph fitted, with a probe of this type. 4,794,929, 1-3-89, Cl. 128-660.070.

Maerfeld, Charles; and Gelly, Jean F., to Thomson-CSF. Multiple-frequency acoustic transducer, especially for medical imaging. 4,870,972, 10-3-89 Cl 128-662.030.

Maerkl, Robert: *See—*
  Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and St[illegible]s, Peter, 4,861,895, Cl. 546-353.000.

Maersk Company Limited, The: *See—*
  Copson, Alexander G.; and Baig, Mirza N., 4,829,923, Cl. 114-27.000.

Maerte, Leo, to Ing. Erich Pfeiffer GmbH & Co. KG. Atomizing or dosing pump. 4,830,284, 5-16-89, Cl. 239-333.000.

Maerte, Leo, to Ing. Erich Pfeiffer GmbH & Co. KG. Atomizing or metering pump. 4,871,092, 10-3-89, Cl. 222-153.000.

Maerz, Judy A.: *See—*
  Maerz, Ralph R.; and Maerz, Judy A., 4,859,167, Cl. 425-276.000.

Maerz Ofenbau AG: *See—*
  Fussl, Erwin, 4,810,190, Cl. 432-95.000.

Maerz, Ralph R.; and Maerz, Judy A. Snowball maker. 4,859,167, 8-22-89, Cl. 425-276.000.

Maerz, Reinhard: *See—*
  Mahlein, Hans; Maerz, Reinhard; and Schienle, Meinrad, 4,815,081, Cl. 372-32.000.
  Winzer, Gerhard; Maerz, Reinhard; and Stoll, Lothar, 4,860,294, Cl. 372-7.000.

Maerzke, James T.: *See—*
  Anderson, Donald L., Jr.; and Maerzke, James T., 4,813,925, Cl. 604-8.000.
  Daly, Mark D.; Maerzke, James T., Gengler, Jeffrey R.; and Trick, Robert E., 4,823,779, Cl. 128-79.000.

Maes, Dirk; Nuytten, Patrick; Cardoen, Marnick; Van Bogaert, Philippe; Verhulst, Jozef; Dejonghe, Gilbert; and Trioen, Jozef, to Picanol N.V. Auxiliary nozzle for air jet loom. 4,794,958, 1-3-89, Cl. 139-435.000.

Maes, Fabrice: *See—*
  Dard, Pierre; and Maes, Fabrice, 4,851,962, Cl. 361-334.000.
  Dard, Pierre; and Maes, Fabrice, 4,879,437, Cl. 200-1.00R.

Maes, Jean P.: *See—*
  Van Neste, Walter A.; Maes, Jean P.; and Vereecken, Rita, 4,851,145, Cl. 252-75.000.

Maesaka, Michinobu: *See—*
  Watanabe, Kouichi; Maesaka, Michinobu; and Murata, Michihiro, 4,803,597, Cl. 361-502.000.

Maeser, Ward W.: *See—*
  Maeser, William C.; and Maeser, Ward W., 4,803,652, Cl. 364-708.000.

Maeser, William C.; and Maeser, Ward W. Portable transceiver. 4,803,652, 2-7-89, Cl. 364-708.000.

Maeshima, Katsuyoshi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,887,163, 12-12-89, Cl. 358-443.000.

Maeshima, Katsuyoshi: *See—*
  Inuzuka, Tsuneki; Maeshima, Katsuyoshi; and Tomosada, Masahiro, 4,839,698, Cl. 355-243.000.

Maestri, Giuseppe. Mobile toy. 4,875,887, 10-24-89, Cl. 446-314.000.

Maestri, Robert, to Salomon S.A. Internal boot sole. 4,864,739, 9-12-89, Cl. 36-43.000.

Maestrone, Gianpaolo; Schildknecht, Eugene G.; and Untawale, Govind G., to Hoffmann-La Roche Inc. Anticoccidial compositions. 4,839,382, 6-13-89, Cl. 514-453.000.

Maesuna, Masahiro: *See—*
  Fujita, Iwao; Maesuna, Masahiro; and Umemura, Tamiki, 4,821,106, Cl. 358-229.000.

Maetani, Masami: *See—*
  Ito, Masahiko; Maetani, Masami; Murata, Shinji; and Onuki, Kazuhiko, 4,800,413, Cl. 355-45.000.
  Onuki, Kazuhiko; Maetani, Masami; Ito, Masahiko; and Murata, Shinji, 4,879,572, Cl. 355-45.000.
  Onuki, Kazuhiko; and Maetani, Masami, 4,881,099, Cl. 355-45.000.

Maetzel, Uwe: *See—*
  Ohlendorf, Heinrich W.; and Maetzel, Uwe, 4,831,167, Cl. 549-355.000.

Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, to Kansai Electric Power Co., Inc., The; and Mitsubishi Jukogyo Kabushiki Kaisha. Automatic tube circumference scanning apparatus. 4,879,973, 11-14-89, Cl. 122-379.000.

Maeyama, Yoshikazu: *See—*
  Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Maeyama, Yoshikazu, 4,796,224, Cl. 365-51.000.

Maezawa, Akihiko; Nakajima, Yoshio; Kaneko, Mitsuyoshi; and Aoki, Shinji, to Ebara Corporation. Process for treating effluent gas. 4,882,020, 11-21-89, Cl. 204-157.300.

Maezawa, Hiroyuki: *See—*
  Saito, Kazumasa; Maezawa, Hiroyuki; Kobayashi, Masakazu; and Futamura, Yoshihiko, 4,831,525, Cl. 364-300.000.

Maezawa, Hiruyuki; Katumata, Hidetosi; and Tomioka, Mikio, to Hitachi, Ltd.; and Hitachi Computer Engineering Co., Ltd. Method for displaying program executing circumstances and an apparatus using the same. 4,872,167, 10-3-89, Cl. 371-19.000.

Maezawa, Ikuo: *See—*
  Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato, and Kida, Hironobu, 4,832,176, Cl. 198-418.100.

Maffei, Charles V., to Foster Wheeler Energy Corporation. Feedwater heater with improved steam distribution. 4,858,564, 8-22-89, Cl. 122-441.000.

Maffia, Gennaro J.: *See—*
  Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; Runstadler, Peter W., Jr.; and Maffia, Gennaro J., 4,863,856, Cl. 435-68.000.

Maffrand, Jean-Pierre: *See—*
  Courregelongue, Jean; and Maffrand, Jean-Pierre, 4,880,573, Cl. 260-420.000.

Mafoti, Robson; and Nodelman, Neil H., to Mobay Corporation. Novel neopentyladipate based prepolymers and reaction injection molded products made therefrom. 4,857,561, 8-15-89, Cl. 521-159.000.

Mag Dev Inc.: *See—*
  Garshelis, Ivan J., 4,882,936, Cl. 73-862.360.

Mag Instrument, Inc.: *See—*
  Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,819,141, Cl. 362-207.000.
  Maglica, Anthony; Johnson, Ralph E.; and Lewis, Armis L., 4,823,242, Cl. 362-187.000.
  Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., 4,841,417, Cl. 362-206.000.
  Maglica, Anthony, 4,851,974, Cl. 362-187.000.
  Maglica, Anthony, 4,864,474, Cl. 362-203.000.
  Maglica, Anthony; and Johnson, Ralph E., 4,885,668, Cl. 362-345.000.

Mag-Sep Corp.: *See—*
  Andres, Uri T.; Devernoe, Alan L.; and Walker, Michael S., 4,819,808, Cl. 209-1.000.

Magagnini, Pierluigi; Pedretti, Ugo; Perego, Giovanni; Bresci, Bruno; Carrozzino, Simona; and Roggero, Arnaldo, to Eniricerche S.p.A. Thermotropic copolyester having a nematic structure of the liquid-crystalline phase. 4,833,229, 5-23-89, Cl. 528-193.000.

Magal Security Systems, Limited: *See—*
  Zvi, Dank, 4,829,286, Cl. 340-541.000.

Magaldi, Mario, to Magaldi, Mario. Process and apparatus for continuous dry removal of bottom. 4,887,539, 12-19-89, Cl. 110-165.00R.

Magalhaes, Frank M.; Ostapiak, Roman; Walk, Ralph; and Ziesse, Norman G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Zero voltage switching half bridge resonant converter. 4,814,962, 3-21-89, Cl. 363-16.000.

Maganias, Nicholas H. Device and method for allergy testing. 4,802,493, 2-7-89, Cl. 128-743.000.

Magara, Kenji: *See—*
  Takada, Koji; Magara, Kenji; and Nishiyama, Yuzuru, 4,847,511, Cl. 250-561.000.

Magara, Takuji; and Suzuki, Toshio, to Mitsubishi Denki Kabushiki Kaisha. Wire electrode type electric discharge machining apparatus. 4,837,415, 6-6-89, Cl. 219-69.00W.

Magara, Takuji: *See—*
  Suzuki, Toshio; and Magara, Takuji, 4,885,449, Cl. 219-69.110.

Magarian, Robert A.; and Pento, Joseph T., to University of Oklahoma, The Board of Regents for the. Cyclopropyl analogs as anti-estrogenic, anti-tumor and female fertility agents. 4,879,315, 11-7-89, Cl. 514-754.000.

Magarinos, Jose; and Coleman, Daniel, to Farrand Optical Co. Infrared laser shield. 4,802,719, 2-7-89, Cl. 350-3.650.

Magasi, Josef. Medical bag arrangement. 4,810,376, 3-7-89, Cl. 210-136.000.

Magasi, Josef, to Hospal Ltd. Medical probe. 4,826,492, 5-2-89, Cl. 604-274.000.

Magatani, Yasuhiro: *See—*
  Iwayama, Kazuyoshi; Magatani, Yasuhiro; and Tada, Kuniyuki, 4,861,928, Cl. 570-202.000.

Magatti, Charles V.; and Doll, Ronald J., to Schering Corporation. Antihypertensive acylpyrazines. 4,803,206, 2-7-89, Cl. 514-255.000.

Magatti, Charles V.: *See—*
  Watkins, Robert; Doll, Ronald J.; Neustadt, Bernard R.; Smith, Elizabeth M.; Magatti, Charles V.; and Gold, Elijah H., 4,840,772, Cl. 422-61.000.

Magazzi, Michael. Multipurpose golf game utensil. 4,832,338, 5-23-89, Cl. 273-32.00A.

Magda, Stephen J.: *See—*
  Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuehl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,803,198, Cl. 514-212.000.
  Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuhl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., 4,814,345, Cl. 514-418.000.

Magdars, John T.; and Siegal, Burton L., to Coral Industrial Sales, Inc. Combination drapery track and side wall mounting bracket. 4,821,370, 4-18-89, Cl. 16-94.00D.

Magdo, Ingrid E.; and Ormond, Douglas W., Jr., to International Business Machines Corporation. Method for producing a plurality of layers of metallurgy. 4,805,683, 2-21-89, Cl. 156-643.000.

Magdychansky, Vadim S.: *See—*
  Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S.; Magdychansky, Vadim S.; Petrov, Gennady I.; Raer, Gilya A.; and Sarantsev, Kir B., 4,795,311, Cl. 416-186.00R.

Magdzinski, Leon: *See—*
  Yalpani, Manssur; and Magdzinski, Leon, 4,857,638, Cl. 530-505.000.

Mage, Jacques. Method and apparatus for charring material. 4,875,853, 10-24-89, Cl. 432-100.000.

Mage, Jean-Claude: *See—*
  Rolland, Jean-Luc; Meunier, Paul L.; and Mage, Jean-Claude, 4,821,403, Cl. 29-603.000.

Mager, Charles, to Fort Valley State College. Fruits and vegetables precooling, shipping and storage container. 4,845,959, 7-11-89, Cl. 62-457.100.

Magee, Frank P.: *See—*
  Bloebaum, Roy D.; and Magee, Frank P., 4,872,865, Cl. 604-28.000.
  Bloebaum, Roy D.; Magee, Frank P.; and Murray, Thomas P., 4,883,488, Cl. 62.3-20.000.

Magee, John E. Hoist motor protection. 4,833,380, 5-23-89, Cl. 318-484.000.

Magee, John H., Jr., to Carpenter Technology Corporation. Galling resistant austenitic stainless steel alloy. 4,814,140, 3-21-89, Cl. 420-56.000.

Magee, John H., Jr.: *See—*
  DeBold, Terry A.; Magee, John H., Jr.; and Schmidt, Norman B., 4,818,484, Cl. 420-46.000.

Magee, Kevin J., to J. I. Case Company. Hinge assembly for folding implement frame. 4,862,758, 9-5-89, Cl. 74-103.000.

Magee, Lillian K. Casino game. 4,856,784, 8-15-89. Cl. 273-147.000.

Magee, Mark W.: *See—*
  Daggett, Robert C.; Helinski, Richard R.; Howard, Robert; and Magee, Mark W., 4,870,430, Cl. 346-140.00R.

Magee, Ted N. Method for marking and decorating plastic panels. 4,816,284, 3-28-89, Cl. 427-11.000.

Mager, Donald V.; and Howe, James A., to Printware, Inc. Modulating laser intensity in a laser printer proportionately to the velocity of the photoconductive media. 4,835,545, 5-30-89, Cl. 346-1.100.

Mager, Herbert: *See—*
  Husemeyer, Hans; Mager, Herbert; and Konrad, Eugen, 4,840,639, Cl. 8-410.000.
  Konrad, Eugen; Clausen, Thomas; Braun, Hans-Jurgen; and Mager, Herbert, 4,835,314, Cl. 564-441.000.
  Konrad, Eugen; Mager, Herbert; and Hoch, Dietrich, 4,855,130, Cl. 424-70.000.
  Konrad, Eugen; Mager, Herbert; and Hoffmann, Axel, 4,883,656, Cl. 424-70.000.

Mager, Louis: *See—*
  Ellis, Edward J.; and Mager, Louis, 4,826,889, Cl. 522-99.000.

Mager, Theodor: *See—*
  Rauch, Hubert, Klesse, Wolfgang; Lehmann, Klaus; and Mager, Theodor, 4,816,558, Cl. 528-501.000.

Magerlein, Barney J., to Upjohn Company, The. Carbonate substituted monobactams as antibiotics. 4,837,318, 6-6-89, Cl. 540-355.000.

Magerlein, Helmut: *See—*
  Diamantoglou, Michael; Josefiak, Christoph; and Magerlein, Helmut, 4,795,762, Cl. 521-84.100.

Magers, Thomas A.: *See—*
  Bauer, Robert; and Magers, Thomas A., 4,810,633, Cl. 435-25.000.

Magerstadt, Michael: *See—*
  Bader, Hubert; Ruppel, Diether; Walch, Axel; and Magerstadt, Michael, 4,835,248, Cl. 528-328.000.

Maget, Henri J. R., to IVAC Corporation. Electrochemically driven drug dispenser. 4,886,514, 12-12-89, Cl. 604-891.100.

Magfoil & Inspektionstechniken GmbH: *See—*
  Walther, Karl G.; and Walther, Ronald G., 4,888,745, Cl. 367-129.000.

Maggart, Douglas S.: *See—*
  Piatt, Michael J.; Maggart, Douglas S.; and Grayson, Timothy P., 4,847,633, Cl. 346-134.000.

Maggi, Ezio: *See—*
  Fietta, Emilio; Maggi, Ezio; and Marchesi, Franco, 4,867,083, Cl. 112-168.000.

Maggia, Giorgio, to Veglia Borletti S.R.L. Vehicle fuel level sensor. 4,813,282, 3-21-89, Cl. 73-319.000.

Magginetti, Silvano: *See—*
  Levy, Gideon; Libotte, Claudio; Boccadoro, Marco; and Magginetti, Silvano, 4,822,970, Cl. 219-69.160.

Maggio, Edward T., to Synbiotics Corporation. Immunoassays for determining *Dirofilaria immitis* infection using antiidiotype monoclonal antibody reagents. 4,828,981, 5-9-89, Cl. 435-7.000.

Maggio, Edward T., to Synbiotics Corporation. Immunoassay incubation device. 4,859,610, 8-22-89, Cl. 436-518.000.

Maggio, Joseph A.: *See—*
  Chiodo, Daniel J.; and Maggio, Joseph A., 4,844,095, Cl. 128-314.000.

Maggio, Robert A.: *See—*
  Bortinger, Arie; Maggio, Robert A.; and Pieters, Wim J. M., 4,804,800, Cl. 585-640.000.

Maggioni, Paolo; Minisci, Francesco; and Correale, Mariano, to Enichem Sintesi S.p.A. Process for the production of certain 2,3-dihydro-benzofuran derivatives. 4,816,592, 3-28-89, Cl. 549-462.000.

Maggioni, Virginio: *See—*
  May, Pierluigi; and Maggioni, Virginio, 4,799,742, Cl. 303-115.000.

Maggioni-Winthrop S.p.A.: *See—*
  Picciola, Giampaolo; Riva, Mario; Ravenna, Franco; and Gentili, Piergiorgio, 4,826,975, Cl. 544-391.000.

Maggs, Norman B. Toothbrush for natural teeth and dentures. 4,888,844, 12-26-89, Cl. 15-106.000.

Maghemite Inc.: *See—*
  Cavanagh, Patrick E., 4,808,893, Cl. 318-254.000.

Maghon, Helmut; and Krockow, Wolfram, to Siemens Aktiengesellschaft. Gas turbine combustion chamber. 4,827,724, 5-9-89, Cl. 60-731.000.

Magic American Corporation: *See—*
  Zeilinger, Alan, 4,829,730, Cl. 52-288.000.
  Zeilinger, Alan, 4,837,997, Cl. 52-280.000.

MAGIC LINE S.p.A.: *See—*
  Dassi, Francesco; Nebuloni, Ferdinando; and Sormani, Cosimo, 4,810,855, Cl. 219-361.000.

Magic Spray Inc.: *See—*
  Daugherty, William T., 4,852,593, Cl. 134-94.000.

Magic Stuff, Inc.: *See—*
  Piccirillo, Alessandro, 4,876,142, Cl. 428-224.000.
  Piccirilo, Alessandro, 4,845,144, Cl. 524-388.000.

Magicsilk, Inc.: *See—*
  Weitz, Henry, 4,816,301, Cl. 428-17.000.

Magidson, Mark; and Huber, Otto L., to Moldex/Metric Products, Inc. Disposable filter respirator with inner molded face flange. 4,873,972, 10-17-89, Cl. 128-206.120.

Magier, Louis H.; Yang, Hei-Pen; and Hor, John, to Figgi, International, Inc. Security system. 4,808,803, 2-28-89, Cl. 235-382.000.

Magiera, Joseph. Switch assembly with redundant spring force and one-piece plunger. 4,814,554, 3-21-89, Cl. 200-6.00R.

Magill, Brad: *See—*
  Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., 4,856,811, Cl. 280-652.000.

Magill, Joseph, to European Atomic Energy Community (EURATOM) Process for the controlled disposal of an aerosol cloud and a device for the implementation of the process. 4,848,656, 7-18-89, Cl. 239-2.100.

Magill, Tracy H.: *See—*
  Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., 4,856,811, Cl. 280-652.000.

Magin, Richard L.: *See—*
  Franke, Steven J.; Boesch, Ronald D.; and Magin, Richard L., 4,859,972, Cl. 333-164.000.

Maginley, Ronald J.: *See—*
  Irwin, George F.; Smelters, Paul J.; Robertson, David J.; and Maginley, Ronald J., 4,873,682, Cl. 370-58.100.

Maginness, Maxwell G.; and Volk, Patrick M., to Ciba-Geigy Corporation. Method and apparatus for packaging processed film. 4,870,257, 9-26-89, Cl. 235-375.000.

Magis Farmaceutici Srl: *See—*
  Puricelli, Laura, 4,883,786, Cl. 514-47.000.

Magistretti, Maria J.: *See—*
  Gabetta, Bruno; Magistretti, Maria J.; and Dostert, Philippe, 4,863,956, Cl. 514-453.000.

Magistro, Angelo J., to B. F. Goodrich Company, The. Triazine-containing multisilane coupling agents for coating glass fibers, for adhesives, and for protective coatings. 4,874,858, 10-17-89, Cl. 544-196.000.

Magistro, Angelo J.: *See—*
  Rahrig, Douglas B.; Magistro, Angelo J.; and Parker, Richard G., 4,801,627, Cl. 523-209.000.

Magladry, Ross E., to Sta-Set Corporation. Suture rings for heart valves. 4,863,460, 9-5-89, Cl. 623-2.000.

Magliacano, Anna M.: *See—*
  Karwowski, Jan; Magliacano, Anna M.; and Taylor, James B., 4,834,988, Cl. 426-20.000.

Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., to Mag Instrument, Inc. Flashlight. 4,819,141, 4-4-89, Cl. 362-207.000.

Maglica, Anthony; Johnson, Ralph E.; and Lewis, Armis L., to Mag Instrument, Inc. Double switch miniature flashlight. 4,823,242, 4-18-89, Cl. 362-187.000.

Maglica, Anthony; DeLong, Robert J.; and Lewis, Armis L., to MAG Instrument, Inc. Tailcap switch-focus flashlight. 4,841,417, 6-20-89, Cl. 362-206.000.

Maglica, Anthony, to Mag Instrument, Inc. Flashlight. 4,851,974, 7-25-89, Cl. 362-187.000.

Maglica, Anthony, to MAG Instrument, Inc. Single cell flashlight. 4,864,474, 9-5-89, Cl. 362-203.000.

Maglica, Anthony; and Johnson, Ralph E., to Mag Instrument, Inc. Heat shield. 4,885,668, 12-5-89, Cl. 362-345.000.

Magline, Inc.: *See—*
  Monroe, George E., 4,875,700, Cl. 280-414.100.
  Mortenson, Carl N., 4,865,340, Cl. 280-47.270.

Magliocco, Paul D.; and Bristow, Steven R., to Megatest Corporation. Timing signal generator. 4,809,221, 2-28-89, Cl. 364-900.000.

Magma Copper Co.: *See—*
  Beneitone, Raymond D., 4,807,689, Cl. 164-76.100.
  Sorensen, James L.; Yarbro, Mark D.; and Glockner, Charles A., 4,874,534, Cl. 210-803.000.

Magna Corporation: *See—*
  Blair, Charles M., Jr.; Stout, Charles A.; and Olsen, Raymond P., 4,814,094, Cl. 252-8.554.

Magna-Graphics Corporation: *See—*
  Jorgensen, Allen R.; Belongia, Larry P.; Gordon, Kenneth A.; and La Haye, John L., 4,798,350, Cl. 242-64.000.

Magna International (Canada) Inc.: *See—*
  Hansen, Kent G., 4,888,866, Cl. 29-598.000.
  Jocic, Radisav, 4,824,422, Cl. 474-170.000.
  Jocic, Radisav, 4,824,423, Cl. 474-170.000.
  Markl, Norbert, 4,869,816, Cl. 210-168.000.

Magna International Inc.: *See—*
  Dorward, Donald; and Hupa, Waldemar A., 4,823,110, Cl. 340-388.000.
  Gruber, Herbert, 4,875,724, Cl. 292-216.000.

  Harney, William J. J., 4,880,199, Cl. 248-396.000.
  Kershaw, Peter; Meixner, Beo; and Olmstead, Gordon, 4,884,844, Cl. 297-362.000.
  Thau, Wolfgang, 4,875,726, Cl. 292-337.000.
Magna-Seal, Inc.: *See—*
  Sims, John W., Jr., 4,882,821, Cl. 27-17.000.
Magnadyne Corporation: *See—*
  Elliott, William, 4,812,814, Cl. 340-332.000.
Magnaflux Corporation: *See—*
  Hahn, Joseph A.; and House, John E., 4,836,921, Cl. 210-202.000.
Magnan, Germain R.: *See—*
  Roy, Jacques T.; and Magnan, Germain R., 4,871,972, Cl. 324-551.000.
Magnan, Jeffrey J., to Gaastra Sails International Limited. Flex wing apparatus. 4,856,447, 8-15-89, Cl. 114-103.000.
Magnant, Gregory A.; and Ramstack, Robert H. Device for stabilizing a cluster of articles. 4,868,955, 9-26-89, Cl. 24-306.000.
MagnaTek Universal Manufacturing: *See—*
  Weissman, Adrian M., 4,808,959, Cl. 336-189.000.
Magnavox Government and Industrial Electronics Company: *See—*
  Close, Ernest F., 4,799,000, Cl. 315-371.000.
  Hatch, Ronald R., 4,797,841, Cl. 364-571.040.
  Hatch, Ronald R., 4,812,991, Cl. 364-458.000.
  Knauer, Paul E.; and Cleven, Ronald D., 4,827,186, Cl. 313-485.000.
  Richeson, William E.; and Erickson, Frederick L., 4,852,528, Cl. 123-90.110.
  Richeson, William E.; and Erickson, Frederick L., 4,872,425, Cl. 123-90.130.
  Richeson, William E.; and Erickson, Frederick L., 4,873,948, Cl. 123-90.110.
  Richeson, William E.; and Erickson, Frederick L., 4,875,441, Cl. 123-90.130.
  Richeson, William E., Jr., 4,794,890, Cl. 123-90.110.
  Richeson, William E., Jr., 4,831,973, Cl. 123-90.110.
  Richeson, William E., Jr.; and Erickson, Frederick L., 4,878,464, Cl. 123-90.110.
  Richeson, William E., Jr., 4,883,025, Cl. 123-90.110.
  Webb, George, 4,796,532, Cl. 102-233.000
  Webb, George, 4,869,172, Cl. 102-233.000.
Magneco/Metrel, Inc.: *See—*
  Banerjee, Subrata; and Sullivan, Neal T., 4,851,264, Cl. 427-94.000.
Magnet PLC: *See—*
  Bailey, Frank, 4,879,842, Cl. 49-141.000.
Magnetec Corporation: *See—*
  Rice, Ronald B.; Lobo, Edward M.; Casanova, Hector A.; and Kosnosky, Theodore P., 4,812,941, Cl. 361-15.000.
Magnetek Controls: *See—*
  Koski, Richard D.; Kosco, William C.; and Dumais, Arthur, 4,839,590, Cl. 324-208.000.
  Loding, David C.; and Ernst, James D., 4,858,424, Cl. 59-78.100.
MagneTek, Inc.: *See—*
  Hein, Bruce: and Shufflebarger, Charles, 4,827,597, Cl. 29-596.000.
  Hein, Bruce; and Shufflebarger, Charles, 4,857,788, Cl. 310-214.000.
  Jeziorski, Harry J., 4,810,175, Cl. 417-423.120.
  Lothar, Freimuth, 4,812,601, Cl. 174-94.00R.
  Nolan, Dennis C., 4,872,127, Cl. 364-602.000.
MagneTek Universal Electric: *See—*
  Colwell, Robert A.; and Stone, Thomas W., 4,877,984, Cl. 310-66.000.
Magnetek Universal Manufacturing Corp.: *See—*
  Freimuth, Lothar; and Van Wagener, Raymond H., 4,853,667, Cl. 336-192.000.
Magnetfabrik Bonn GmbH: *See—*
  Steingroever, Erich, 4,818,305, Cl. 148-103.000.
Magneti Marelli S.p.A.: *See—*
  Fasola, Giancarlo, 4,825,844, Cl. 123-643.000.
Magnetic Analysis Corporation: *See—*
  Brooks, Robert A., 4,864,234, Cl. 324-228.000.
  Greenblatt, Stanley; Colman, Richard H.; and Spierer, Edward D., 4,843,318, Cl. 324-225.000.
  Vitulli, Joseph L., Jr., 4,839,592, Cl. 324-227.000.
Magnetic-Elektromotoren GmbH: *See—*
  Weiss, Adrian U., 4,848,175, Cl. 74-96.000.
Magnetic Peripherals Inc.: *See—*
  Belk, Nathan R., 4,833,559, Cl. 360-113.000.
  Brar, Amarjit S.; Sherma, Jagdish P.; and Kaja, Suryanarayana, 4,821,578, Cl. 73-827.000.
  Brar, Amarjit S.; Mims, Jimmie E.; and Sharma, Jagdish P., 4,837,923, Cl. 29-603.000.
  Brar, Amarjit S.; Sharma, Jagdish P.; and Kaja, Suryanarayana, 4,860,572, Cl. 73-12.000.
  Brar, Amarjit S.; and Sharma, Jagdish P., 4,863,809, Cl. 428-623.000.
  Bremmer, Robert A.; Kovner, Vladimir; and Stone, Dennis C., 4,799,112, Cl. 360-31.000.
  Cain, Michael A., 4,860,135, Cl. 360-97.020.
  Chen, Tsu-Fang, 4,873,594, Cl. 360-97.030.
  Craft, David C., 4,841,395, Cl. 360-103.000.
  Genheimer, Stephen R.; and Pottebaum, Ken L., 4,862,298, Cl. 360-60.000.
  Grivna, Edward L., 4,851,710, Cl. 307-269.000.
  Hagen, Tracy M., 4,868,694, Cl. 360-104.000.
  Holmstrand, Allan L., 4,821,461, Cl. 51-209.0DL.
  Holmstrand, Allan L., 4,850,157, Cl. 51-128.000.
  Holmstrand, Allan L., 4,866,886, Cl. 51-307.000.
  Janz, Donald W., 4,811,135, Cl. 360-77.050.
  Janz, Donald W., 4,864,434, Cl. 360-55.000.
  Johnson, Bruce E.; and Tsang, Paul, 4,890,287, Cl. 371-37.200.
  Kaymaram, Farid, 4,875,118, Cl. 360-99.120.
  Keel, Beat G.; Tran, Tuan P.; Bonnie, Gene P.; and Schwarz, Edward L., 4,819,111, Cl. 360-125.000.
  Milford, Richard E., 4,827,531, Cl. 382-29.000.
  Miller, Michael A.; and Lidholm, Robert A., 4,804,336, Cl. 439-218.000.
  Minuhin, Vadim B.; and Von Deylen, Vernon F., 4,800,295, Cl. 307-273.000.
  Minuhin, Vadim B.; and VonDeylen, Vernon F., 4,813,059, Cl. 375-122.000.
  Minuhin, Vadim B., 4,823,209, Cl. 360-51.000.
  Minuhin, Vadim B., 4,866,741, Cl. 377-48.000.
  Minuhin, Vadim B.; and VonDeylen, Vernon F., 4,868,690, Cl. 360-51.000.
  Minuhin, Vadim B.; Berzon, Evgeny J.; and VonDeylen, Vernon F., 4,875,108, Cl. 360-51.000.
  Mowry, Greg S., 4,803,580, Cl. 360-113.000.
  Mowry, Greg S., 4,841,398, Cl. 360-113.000.
  Mowry, Gregory S., 4,843,505, Cl. 360-113.000.
  Mowry, Gregory S., 4,851,944, Cl. 360-113.000.
  Mowry, Greogory S.; Mitchell, Terry B.; Tolman, Charles H.; and George, Peter K., 4,821,133, Cl. 360-113.000.
  Quatro, Robert A.; and Wilcox, Lawrence A., 4,868,695, Cl. 360-104.000.
  Radwan, Hatem R.; and Goss, Lloyd C., 4,855,851, Cl. 360-104.000.
  Schmitz, Brian D., 4,814,908, Cl. 360-77.020.
  Schwarz, Edward L.; and Keel, Beat G., 4,800,454, Cl. 360-103.000.
  Shaw, Stephen H., 4,870,520, Cl. 360-103.000.
  Strom, Richard A., 4,802,042, Cl. 360-103.000.
  Strom, Richard A., 4,835,361, Cl. 219-121.850.
  Valstyn, Erich P., 4,841,625, Cl. 29-603.000.
  Wu, Cherng-Dean, 4,810,520, Cl. 427-8.000.
Magnetic Products, Inc.: *See—*
  Rhodes, Keith J.; and Voorheis, Scott D., 4,823,931, Cl. 198-445.000.
Magnetics North, Inc.: *See—*
  Fritz, Alan J., 4,874,508, Cl. 209-214.000.
Magnetronics, Inc.: *See—*
  Courneya, Calice G., 4,861,956, Cl. 219-10.55A.
Magni, Ambrogio; and Bersanetti, Erik, to Enichem Sintesi S.p.A. Process of (co) polymerization of alpha-olefins in the presence of antioxidants. 4,824,885, 4-25-89, Cl. 524-120.000.
Magni, Ambrogio; Piccolo, Oreste; and Ascheri, Antonio, to Blaschim S.p.A. Stereoselective reduction of the keto group at 7-position of a bile keto acid. 4,834,919, 5-30-89, Cl. 260-397.100.
Magni, Ambrogio; and Visentin, Giuseppina, to Blaschim S.p.A. Method for acylating a naphthalene compound. 4,868,338, 9-19-89, Cl. 568-319.000.
Magni Systems, Inc.: *See—*
  Judge, John L., 4,875,089, Cl. 358-10.000.
  Judge, John L., 4,881,121, Cl. 358-10.000.
Magnien, Emile G.; and Plantureux, Alain M., to Diamant Applications. Processes for the mechanized manufacture of jewellery comprising a plurality of small contiguous stones set in a support made of precious metal, and jewellery obtained by these processes. 4,835,987, 6-6-89, Cl. 63-28.000.
Magnien, Emile G.; and Plantureux, Alain M., to Diamant Applications. Processes and devices for mechanically setting a plurality of small precious stones on a flat face of a jewel. 4,866,823, 9-19-89, Cl. 29-10.000.
Magnien, Ernest: *See—*
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; and Desai, Rohit, 4,839,369, Cl. 514-314.000.
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; Desai, Rohit; and Lee, Thomas D-Y, 4,874,769, Cl. 514-314.000.
Magnier, Claude: *See—*
  David, Claire; Magnier, Claude; and Latourrette, Bertrand, 4,859,432, Cl. 423-21.100.
Magnin, Anthony A.; Wah, Po-Shing; and Dennis, Paul, to Connaught Laboratories Limited. Pasteurization of immunoglobulin solutions. 4,849,508, 7-18-89, Cl. 530-387.000.
Magnin, Guy; Magnin nee Champeaud, Marie-Francoise; Aubert, Veronique; and Jaouen, Claude, to Societe Anonyme: Societe Generale Pour les Techniques Nouvelles - SGN. Process for the immobilization of ion exchange resins originating from the secondary circuits of pressurized water nuclear reactors and gas-cooled graphite-moderated reactors. 4,834,915, 5-30-89, Cl. 252-628.000.
Magnin, Joel: *See—*
  Fedeli, Jean-Marc; and Magnin, Joel, 4,881,198, Cl. 365-12.000.
Magnin nee Champeaud, Marie-Francoise: *See—*
  Magnin, Guy; Magnin nee Champeaud, Marie-Francoise; Aubert, Veronique; and Jaouen, Claude, 4,834,915, Cl. 252-628.000.
Magnin, Paul A., to Hewlett-Packard Company. Method and apparatus for determining and displaying the absolute value of quantitative backscatter. 4,867,167, 9-19-89, Cl. 128-660.060.
Magnus, Bruno E.: *See—*
  Bondoc, Alfredo A.; Davis, Duane A.; Frankoski, Stanley P.; and Magnus, Bruno E., 4,795,661, Cl. 427-187.000.
Magnuson, Robert E., to Lee Controls, Inc. Linear motion pillow block including fine tuning features. 4,884,898, 12-5-89, Cl. 384-58.000.
Magnussen, Haakon T., Jr., to Altex Scientific, Inc. Pressure measurement in fluid pump systems. 4,820,129, 4-11-89, Cl. 417-18.000.

Magnussen, Haakon T., Jr.; Moeller, Roy P.; Palmer, Phillip S.; and Smith, Gary L., to Rainin Instrument Co., Inc. System and method for depassivating a passivated lithium battery in a battery powered microprocessor controlled device. 4,839,248, 6-13-89, Cl. 429-49.000.
Magnussen, Peter: *See—*
  Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and Stops, Peter, 4,861,895, Cl. 546-353.000.
Magnusson, Hans G.; and Frejd, Torbjorn, to Symbicom Aktiebolag. Glycosidic derivatives. 4,868,289, 9-19-89, Cl. 536-4.100.
Magnusson, Hans G.; and Jansson, Karl, to Symbicom Aktiebolag. Hydroxy protection groups. 4,871,837, 10-3-89, Cl. 536-4.100.
Magnusson, Joseph W.; and Dufford, Dennis W., to GTE North Incorporated. Computer operated system for dialing telephone numbers. 4,868,848, 9-19-89, Cl. 379-355.000.
Magnusson, Lennart, to Mecania AB. Tool for rotation ring type barking machines. 4,865,095, 9-12-89, Cl. 144-208.00E.
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Magnusson, Steven L., to Ampex Corporation. Webbed scanner window. 4,823,222, 4-18-89, Cl. 360-130.240.
Magnusson, Swen-Ake, to Wicanders Kapsyl AB. Apparatus for connecting the attachment part of a tear-off section of a sealing cap with a pulling member. 4,846,646, 7-11-89, Cl. 425-121.000.
Magocs, Stephen, to North American Philips Consumer Electronics Corp. Liquid crystal display projection system having improved contrast. 4,818,073, 4-4-89, Cl. 350-337.000.
Magol, Byram J.; Fay, John D.; and Garkawe, Michael, to Foster Wheeler Energy Corporation. Cyclone separator having water-steam cooled walls. 4,880,450, 11-14-89, Cl. 55-269.000.
Magoolaghan, Jack. Universal method and apparatus for testing a valve body for an automatic transmission. 4,809,544, 3-7-89, Cl. 73-118.100.
Magoon, John E., to Raytheon Company. Tracking circuit for following objects through antenna nulls. 4,806,934, 2-21-89, Cl. 342-103.000.
Magori, Valentin, to Siemens Aktiengesellschaft. Ultrasound flow rate meter using a phase difference method and apparatus. 4,885,942, 12-12-89, Cl. 73-861.280.
Magott, Raymond J.: *See—*
  Johnson, James E.; Magott, Raymond J.; and Wood, Clinton M., 4,845,976, Cl. 73-23.000.
Magourik, Ray O. V., to Tuftco Corporation. Knife holder clamp apparatus for cut pile tufting machine. 4,817,541, 4-4-89, Cl. 112-80.600.
Magrane, Mark G.: *See—*
  O'Donnell, Matthew; and Magrane, Mark G., 4,809,184, Cl. 364-413.250.
Magre, Eduard P.: *See—*
  de Jonge, Cornelis R. H. I.; Hoentjen, Gerrit; and Magre, Eduard P., 4,851,562, Cl. 560-19.000.
Magruder, Judy A.: *See—*
  Eckenhoff, James B.; Magruder, Judy A.; Cortese, Richard; Peery, John R.; and Wright, Jeremy C., 4,855,141, Cl. 424-423.000.
  Edgren, David E.; Magruder, Judy A.; and Bhatti, Gurdish K., 4,871,548, Cl. 424-488.000.
Magruder, Paul R.; Barclay, Brian; Wong, Patrick S. L.; and Theeuwes, Felix, to ALZA Corporation. Composition comprising a therapeutic agent and a modulating agent. 4,851,229, 7-25-89, Cl. 424-457.000.
Magruder, Paul R.; Wong, Patrick S.; Theeuwes, Felix; and Guittard, George V., to ALZA Corporation. Hydrogel formulation for administering non-steroidal drugs. 4,867,969, 9-19-89, Cl. 424-78.000.
Magruder, Paul R.: *See—*
  Jordan, Maureen L.; Ayer, Atul D.; Magruder, Paul R.; and Edgren, David E., 4,814,181, Cl. 424-473.000.
Magtech Laboratories, Inc.: *See—*
  Rauscher, Elizabeth A.; and Van Bise, William L., 4,889,526, Cl. 600-14.000.
Maguin S.A., B.P.: *See—*
  Gautier, Alain, 4,804,418, Cl. 127-2.000.
Maguire, Joel M., to General Motors Corporation. Anti-lash gear mechanism. 4,881,422, 11-21-89, Cl. 74-440.000.
Maguire, John F.: *See—*
  Zatko, David A.; and Maguire, John F., 4,800,000, Cl. 204-1.00T.
Maguire, John N., III. Pellet dispenser. 4,831,998, 5-23-89, Cl. 124-50.000
Magurit Gefrierschneider GmbH: *See—*
  Hager, Juergen; Vieth, Walter; and Manderla, Werner, 4,798,114, Cl. 83-522.000.
Magwin Enterprises, Inc.: *See—*
  Bressler, Peter W.; Byar, Peter D.; Beck, Benjamin J.; Fluke, G. Gordon, Jr.; Magill, Brad; Winig, Gary; and Magill, Tracy H., 4,856,811, Cl. 280-652.000.
Magyar Aluminiumipari Troszt: *See—*
  Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
  Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.
  Odor, Gyula; Csapo, Frigyes; Szabo, Bela; Szucs, Lajos; Marton, Mihaly; Steiner, Janso; Revesz, Laszlo; Toth, Ferenc; and Weiszengruber, Ferenc, 4,816,142, Cl. 209-3.000.
Magyar, Arpad M.; Patton, Darrell W.; and DesLauriers, Paul J., to Pennzoil Products Company. Rust converting and removing compositions. 4,824,589, 4-25-89, Cl. 252-82.000.
Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, to EGIS Gyogyszergyar. Synergistic veterinary composition and/or fodder premix and process for preparing same. 4,871,722, 10-3-89, Cl. 514-157.000.
Magyar, Karoly: *See—*
  Ratz nee Simonek, Ildiko ; Benko, Pal; Bernenyi nee Poldermann, Edit; and Magyar, Karoly, 4,824,670, Cl. 424-141.000.
  Ratz nee Simonek, Ildiko; Benko, Pal; Berenyi nee Foldermann, Edit; and Magyar, Karoly, 4,883,907, Cl. 560-24.000.
Magyar nee Tomorkenyi, Magdolna: *See—*
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
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Magyar Optikai Muvek: *See—*
  Paulik, Jeno; Paulik, Ferenc; and Arnold, Miklos, 4,812,051, Cl. 374-10.000.
Magyar Szenhidrogenipari Kutato-Fejleszto Intezet: *See—*
  Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, 4,795,564, Cl. 210-665.000.
  Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.
  Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, 4,844,155, Cl. 166-261.000.
Magyar Tudomanyos Akademia Kozponti Kemiai Kutato Intezete and Epitestudomanyi Intezet: *See—*
  Beyer, Herman; Borbely, Gabriella; Dombi, Sandor; Kalman, Alajos; Meszaros, Gyula; Miasnikov, Peter; and Rozsa, Pal, 4,850,173, Cl. 52-741.000.
Magyar Tudomanyos Akademia Muszaki Fizikai Kutato Intezet: *See—*
  Jantsch, Wolfgang; and Ferenczi, Gyorgy, 4,839,588, Cl. 324-158.00D.
Mah, Larry G.: *See—*
  Redington, Dana J.; and Mah, Larry G., 4,818,234, Cl. 434-247.000.
Mahabadi, Hadi K.; Ng, Tie H.; Listigovers, Nancy A.; and Martin, Trevor I., to Xerox Corporation. Single component cold pressure fixable encapsulated toner compositions. 4,877,706, 10-31-89, Cl. 430-106.600.
Mahabadi, John K., to Motorola, Inc. Power-on reset circuit. 4,812,679, 3-14-89, Cl. 307-272.100.
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Mahaffy & Harder Engineering Co.: *See—*
  Mahaffy, Reid A.; Anderson, George W.; Garson, Eugene; Giordano, John A.; Hirt, Robert E.; and Ostrow, Milan R., 4,819,409, Cl. 53-282.000.
  Nixon, Henry M., Jr.; Anderson, George W.; and Giordano, John A., 4,831,811, Cl. 53-433.000.
Mahaffy, John W., to Continental Group, Inc., The. Twin cup carrier. 4,799,723, 1-24-89, Cl. 294-87.200.
Mahaffy, Reid A.; Anderson, George W.; Garson, Eugene; Giordano, John A.; Hirt, Robert E.; and Ostrow, Milan R., to Mahaffy & Harder Engineering Co. Apparatus for forming an adhesive sealed package. 4,819,409, 4-11-89, Cl. 53-282.000.
Mahajan, Om P., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of avoiding accidental actuation of maintenance equipment in a communications network. 4,864,612, 9-5-89, Cl. 380-2.000.
Mahajan, Yashwant R.; Kim. Young-Won; and Froes, Francis H., to United States of America, Air Force. High temperature aluminum-base alloy. 4,851,193, 7-25-89, Cl. 420-550.000.
Mahal, Pritpal S.: *See—*
  Hsia, Steve K.; Mahal, Pritpal S.; and Shih, Wei-Ren, 4,861,730, Cl. 437-43.000.
Mahalek, Thomas L.; and Santo, David R., to Xerox Corporation. Toner compositions with a crosslinked resin component. 4,824,750, 4-25-89, Cl. 430-99.000.
Mahan, Larry G. Universal bracket. 4,889,305, 12-26-89, Cl. 248-265.000.
Mahan, Michael K. Grader blade height control. 4,837,940, 6-13-89, Cl. 33-624.000.
Mahan, Richard E. Electrified pet dish. 4,827,874, 5-9-89, Cl. 119-61.000.
Mahanandan, Kandiah: *See—*
  Luedtke, Richard C.; and Mahanandan, Kandiah, 4,866,793, Cl. 4-300.300.
Mahant-Shetti, Shivaling S.; and Nishimura, Aki, to Texas Instruments Incorporated. Method and apparatus for measuring the capacitance of complementary field-effect transistor devices. 4,795,964, 1-3-89, Cl. 324-60.00C.
Mahapatra, Amaresh, to Polaroid Corporation. Process for tapering waveguides. 4,886,538, 12-12-89, Cl. 65-30.130.
Mahar, Jeffrey T.: *See—*
  Jaffari, Mark D.; Mahar, Jeffrey T.; and Bachert, Richard L., 4,835,309, Cl. 562-554.000.
Mahawili, Imad, to Focus Semiconductor Systems, Inc. CVD reactor and gas injection system. 4,834,022, 5-30-89, Cl. 118-725.000
Mahefkey, Edward T., to United States of America, Air Force. Expandable pulse power spacecraft radiator. 4,813,476, 3-21-89, Cl. 165-32.000.

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  Kennel, Elliot B.; Mahefkey, Edward T.; and Beam, Jerry E., 4,809,771, Cl. 165-10.000.
Maher, Anthony: *See—*
  Seeger, Helmut; Leichum, Axel; and Maher, Anthony, 4,853,957, Cl. 379-279.000.
Maher, Daniel V.; and Minogue, Conor, to Bio-Medical Research Limited. Electrical stimulation of muscle. 4,832,033, 5-23-89, Cl. 128-421.000.
Maher, David L.; and Watt, David N., to General Electric Company. Low inertia linear linkless ammunition feeding system. 4,833,966, 5-30-89, Cl. 89-33.160.
Maher, Eamonn F.: *See—*
  Kang, Karam S.; Munn, Stephen; Robinson, Judith; and Maher, Eamonn F., 4,804,275, Cl. 374-162.000.
Maher, Galeb H.; and Corah, Susan E., to Sprague Electric Company. Magnesium titanate ceramic and dual dielectric substrate using same. 4,882,650, 11-21-89, Cl. 361-321.000.
Maher, Galeb H., to Sprague Electric Company. Monolithic compound-ceramic capacitor. 4,882,651, 11-21-89, Cl. 361-321.000.
Maher, Jack, deceased (by Maher, Molly Veronica, Robert James Maher, co-executors), to Riyate Pty. Limited. Steam treatment of crops. 4,873,772, 10-17-89, Cl. 34-60.000.
Maher, John H. System for transferring workpieces through a series of work stations. 4,887,446, 12-19-89, Cl. 72-22.000.
Maher, John M.; Billig, Ernst; and Bryant, David R., to Union Carbide Corporation. Process for purifying tertiary organophosphites. 4,835,299, 5-30-89, Cl. 558-85.000.
Maher, John P.; and Nguyen, Pascaline H., to Engelhard Corporation. Capacitor end termination composition and method of terminating. 4,811,162, 3-7-89, Cl. 361-308.000.
Maher, Joseph A.; Vowles, E. John; Napoli, Joseph D.; Zafiropoulo, Arthur W.; and Miller, Mark W., to General Signal Corporation. Quad processor. 4,885,050, 12-5-89, Cl. 156-345.000.
Maher, Kevin P.: *See—*
  Levy, Lloyd; Kilmer, Dan L.; and Maher, Kevin P., 4,797,762, Cl. 360-99.060.
Maher, Molly Veronica, Robert James Maher, co-executors: *See—*
  Maher, Jack, deceased, 4,873,772, Cl. 34-60.000.
Maher, Steven C., to Rockwell International Corporation. Multiple input clock selector. 4,853,653, 8-1-89, Cl. 331-49.000.
Maher, Timothy J.: *See—*
  Wurtman, Richard J.; and Maher, Timothy J., 4,885,312, Cl. 514-561.000.
Maheras, George; Hayworth, Hubert O.; and Gulett, Michael R., to NCR Corporation. Multiple photoresist layer process using selective hardening. 4,859,573, 8-22-89, Cl. 430-326.000.
Maheshwari, Vijay; Samudrala, Sridhar; and Gavrielov, Nachum M., to Digital Equipment Corporation. Apparatus and method for accelerating floating point addition and subtraction operations by accelerating the effective subtraction procedure. 4,852,039, 7-25-89, Cl. 364-748.000.
Mahieu, Claude; and Papantoniou, Christos, to Societe Anonyme dite L'Oreal. Method for reinforcement or permanent deformation of hair. 4,859,460, 8-22-89, Cl. 424-72.000.
Mahieu, Claude: *See—*
  Forestier, Serge; and Mahieu, Claude, 4,839,160, Cl. 424-59.000.
  Papantoniou, Christos; and Mahieu, Claude, 4,844,889, Cl. 424-70.000.
Mahjour, Majid; Mauser, Bernadette E.; and Fawzi, Mahdi B., to Warner-Lambert Company. Fatty acids and their small chain esters as penetration enhancers in aqueous systems. 4,879,297, 11-7-89, Cl. 514-282.000.
Mahlab, David: *See—*
  Yogev, Amnon; and Mahlab, David, 4,876,855, Cl. 60-651.000.
Mahlberg, Alfred: *See—*
  Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzi, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
Mahle GmbH: *See—*
  Ripberger, Emil; and Wieland, Hanspeter, 4,843,698, Cl. 29-156.50R.
  Ripberger, Emil, 4,843,952, Cl. 92-190.000.
Mahlein, Hans; Maerz, Reinhard; and Schienle, Meinrad, to Siemens Aktiengesellschaft. Arrangement for controlling or regulating an emission wavelength and emitted power of a semiconductor laser. 4,815,081, 3-21-89, Cl. 372-32.000.
Mahler, Bruce P.: *See—*
  Rice, James M.; and Mahler, Bruce P., 4,808,967, Cl. 338-309.000.
  Rice, James M.; and Mahler, Bruce P., 4,888,574, Cl. 338-309.000.
Mahler, Ernst: *See—*
  Meltsch, Hans-Jurgen; Rost, Jan; Behmer, Albin; and Mahler, Ernst, 4,825,016, Cl. 174-93.000.
Mahler, Franz: *See—*
  Karl, Veit-Holger; Mahler, Franz; and Greisel, Josef, 4,836,744, Cl. 425-72.100.
Mahler, Gert; Cziptschirsch, Kurt; and Oltmanns, Oltmann, to Gebr. Happich GmbH. Sun visor for mounting above a side window in a vehicle. 4,844,530, 7-4-89, Cl. 296-97.100.
Mahler, Hansjurg: *See—*
  Muller, Kurt; and Mahler, Hansjurg, 4,880,980, Cl. 250-353.000.
Mahler, Jacques: *See—*
  Soszka, Barbara; Federowsky, Robert; and Mahler, Jacques, 4,853,021, Cl. 65-2.000.
Mahler, James A.: *See—*
  Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,821,948, Cl. 228-223.000.
  Fisher, John R.; Guth, Leslie A.; and Mahler, James A., 4,871,105, Cl. 228-33.000.
Mahler, Matthias; Oppelt, Sylvester; and Rattner, Manfred, to Siemens Aktiengesellschaft. Shock wave generator for an apparatus for non-contacting disintegration of calculi in the body of a life form. 4,794,914, 1-3-89, Cl. 128-24.00A.
Mahler, Thomas G.: *See—*
  Aurness, Harold O.; and Mahler, Thomas G., 4,872,326, Cl. 70-133.000.
Mahler, Willy. Method for the direct injection of fuel into the combustion chamber in the cylinder head of a diesel engine and device for implementing such method. 4,809,655, 3-7-89, Cl. 123-296.000.
Mahlich, Gotthard, to Robert Krups Stiftung & Co. KG. Electric shaver. 4,835,861, 6-6-89, Cl. 30-43.920.
Mahlich, Gotthard C.; and Borgmann, Michael, to Robert Krups Stiftung & Co. KG. Espresso machine with cappuccino making attachment. 4,800,805, 1-31-89, Cl. 99-293.000.
Mahlich, Gotthard C.; and Borgmann, Michael, to Robert Krups Stiftung & Co. KG. Espresso machine with cappuccino making attachment. 4,852,474, 8-1-89, Cl. 99-293.000.
Mahlich, Gotthard C.; and Borgmann, Michael, to Robert Krups Stiftung & Co. KG. Electric appliance for making hot beverages. 4,889,041, 12-26-89, Cl. 99-285.000.
Mahlowski, Robert J.: *See—*
  Chilcote, Keith C.; and Mahlowski, Robert J., 4,850,939, Cl. 474-49.000.
Mahmens, Olaf: *See—*
  Hentschel, Volker; Versteegen, Clemens; Mahmens, Olaf; and Babendererde, Siegmund, 4,854,776, Cl. 405-147.000.
Mahmoud, M. Fatein, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Multi-location video conference system. 4,882,743, 11-21-89, Cl. 379-53.000.
Mahmud, Khalid. Serving tray. 4,823,958, 4-25-89, Cl. 206-561.000.
Mahmud, Syed T., to Signetics Corporation. Non-inverting, low power, high speed bootstrapped buffer. 4,804,870, 2-14-89, Cl. 307-482.000.
Mahn, Dieter: *See—*
  Faeser, Ulrich; and Mahn, Dieter, 4,799,866, Cl. 417-415.000.
Mahncke, Juergen; Kuesters, Heinz-Peter; and Mayer, Hartmut, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Steering axle. 4,862,986, 9-5-89, Cl. 180-155.000.
Mahnich, James A.: *See—*
  McGowan, Philip J.; McNeill, Steven R.; Mondek, Matthew H.; and Mahnich, James A., 4,861,293, Cl. 440-76.000.
MAHO Aktiengesellschaft: *See—*
  Babel, Werner; and Hoppe, Gerd, 4,831,714, Cl. 29-568.000.
  Babel, Werner, 4,832,545, Cl. 409-218.000.
  Babel, Werner, 4,835,837, Cl. 29-568.000.
  Grund, Peter, 4,831,737, Cl. 33-702.000.
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Mahon, Joseph J.; and Aigner, Robert K., to Eaton Corporation. Bidirectional setting of a programmer timer. 4,827,460, 5-2-89, Cl. 368-113.000.
Mahon, Joseph J.; and Aigner, Robert K., to Eaton Corporation. Providing a programmer/timer with dual rate drive. 4,856,096, 8-8-89, Cl. 200-38.00C.
Mahon, Michael J.; Baum, Allen; Bryg, William R.; and Miller, Terrence C., to Hewlett-Packard Company. Privilege level checking instruction for implementing a secure hierarchical computer system. 4,809,160, 2-28-89, Cl. 364-200.000.
Mahoney, John E., to Xilinx, Inc. System for scan testing of logic circuit networks. 4,855,669, 8-8-89, Cl. 324-73.00R.
Mahoney, John E.: *See—*
  Malloy, John D.; and Mahoney, John E., 4,805,752, Cl. 192-85.0AA.
Mahoney, John F.; and Perel, Julius, to Phrasor Scientific, Inc. High mass ion detection system and method. 4,835,383, 5-30-89, Cl. 250-281.000.
Mahoney, Murray W.; and Ghosh, Amit K., to Rockwell International Corporation. Method of forming a fine grain structure on the surface of an aluminum alloy. 4,799,974, 1-24-89, Cl. 148-12.70A.
Mahoney, Paul F., to Signatron, Inc. Signal processing system. 4,805,189, 2-14-89, Cl. 375-10.000.
Mahoney, Paul F., to Signatron, Inc. Signal source distortion compensator. 4,851,853, 7-25-89, Cl. 342-174.000.
Mahoney, Robert. Vehicle screen/shade. 4,818,007, 4-4-89, Cl. 296-24.100.
Mahoney, Walter C.: *See—*
  Kao, Richard; Blocki, Frank A.; Pranis, Robert A.; and Mahoney, Walter C., 4,835,101, Cl. 435-28.000.
Mahoney, William J., Jr., to Delaware Investments, Inc. Apparatus and method for blending particulate materials. 4,869,594, 9-26-89, Cl. 366-341.000.
Mahr, Lajos: *See—*
  Barta, Iren; Fekete, Pal; Pallos, Laszlo; Kovacs, Gabor; and Mahr, Lajos, 4,814,174, Cl. 424-448.000.
Mahrt, Gerd: *See—*
  Hagen, Werner; Brandt, Claus-Dieter; and Mahrt, Gerd, 4,817,414, Cl. 73-25.000.
Mahulikar, Deepak; and Shapiro, Eugene, to Olin Corporation. Process for treating copper-nickel alloys for use in brazed assemblies and product. 4,799,973, 1-24-89, Cl. 148-435.000.

Mahulikar, Deepak: *See—*
  Crane, Jacob; Johnson, Barry C.; Mahulikar, Deepak; and Butt, Sheldon H., 4,888,449, Cl. 174-52.400.
  Fister, Julius C.; Cherukuri, Satyam C.; Mahulikar, Deepak; and O'Donnelly, Brian E., 4,872,047, Cl. 357-67.000.
  Pryor, Michael J.; Singhdeo, Narendra N.; and Mahulikar, Deepak, 4,821,151, Cl. 361-403.000.
  SinghDeo, Narendra N.; Mahulikar, Deepak; and Butt, Sheldon H., 4,882,212, Cl. 428-7[illegible].000.
  SinghDeo, Narendra N.; Mahulikar, Deepak; and Butt, Sheldon H., 4,883,778, Cl. 501-19.000.
Mahurkar, Sakharam D. Simple double lumen catheter. 4,808,155, 2-28-89, Cl. 604-43.000.
Mahurkar, Sakharam D. Method and apparatus for using dual-lumen catheters for extracorporeal treatment. 4,842,582, 6-27-89, Cl. 604-43.000.
Mahvi, Pascal. Exercising chair. 4,815,732, 3-28-89, Cl. 272-144.000.
Mahy, John A.: *See—*
  Stranger, Edgar P.; and Mahy, John A., 4,830,566, Cl. 414-546.000.
Mai, Jimbin; Chambers, Laura J.; and McDonald, Richard E., to Nestec S.A. Antioxidant compositions. 4,839,187, 6-13-89, Cl. 426-542.000.
Mai, Jimbin; McDonald, Richard E.; and Wedral, Elaine R., to Nestec S.A. Process for inhibiting formation of N-nitrosamines in a nitrite-cured food product. 4,844,925, 7-4-89, Cl. 426-266.000.
Mai, Khuong H. X.: *See—*
  Kam, Sheung T.; Matier, William L.; Patil, Ghanshyam; and Mai, Khuong H. X., 4,798,892, Cl. 544-146.000.
Mai, M. Jane; and Hargrave, Maxine. Auxiliary toilet seat. 4,839,929, 6-20-89, Cl. 4-254.000.
Mai, Udo: *See—*
  Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, 4,814,672, Cl. 315-411.000.
  Dieterle, Franz; Hartmann, Uwe; and Mai, Udo, 4,835,610, Cl. 358-158.000.
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  Gleim, Gunter; Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,795,947, Cl. 315-384.000.
  Hartman, Uwe; van den Driesche, Michel; Mai, Udo; and Maige, Philippe, 4,868,662, Cl. 358-190.000.
  Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,849,818, Cl. 358-142.000.
  Hartmann, Uwe; and Mai, Udo, 4,864,406, Cl. 358-194.100.
Maibach, Bruno: *See—*
  Braun, Walter; Hagmann, Walter; Hanselmann, Urs; Maibach, Bruno; and Schranz, Peter, 4,800,363, Cl. 340-310.00A.
Maidhof, John T.: *See—*
  Tsaveras, Thomas; Gaskin, Matthew J.; and Maidhof, John T., 4,838,183, Cl. 110-190.000.
Maidhof, Rudiger: *See—*
  Bauer, Karl-Heinz; Eckert, Gerold; and Maidhof, Rudiger, 4,800,466, Cl. 362-26.000.
Maidhof, William H.: *See—*
  Rotolico, Anthony J.; Saia, Lawrence A.; Hacker, Martin E.; and Maidhof, William H., 4,865,252, Cl. 239-8.000.
Maidment, Robert A. M.; and Smith, Michael T., to Courier Products Limited. Resilient hinge having S-shaped members and a releasable catch. 4,821,373, 4-18-89, Cl. 16-227.000.
Maidment, Robert A. M.; and Smith, Michael T., to Frictionless Hinges & Joints Limited. X-hinge having the bendable strip ends crimped between two plates. 4,843,679, 7-4-89, Cl. 16-227.000.
Maiello, Mark L.: *See—*
  Harley, Naomi H.; and Maiello, Mark L., 4,800,272, Cl. 250-253.000.
Maienfisch, Peter, to Ciba-Geigy Corporation. Composition for controlling parasites in productive livestock. 4,871,719, 10-3-89, Cl. 514-63.000.
Maier, Albert: *See—*
  Hoffacker, Franz; Luhrig, Hermann; and Maier, Albert, 4,867,815, Cl. 156-69.000.
Maier, Alfred E.; and Farley, James R., to Westinghouse Electric Corp. Electrical switching device with cover interlock. 4,862,125, 8-29-89, Cl. 335-202.000.
Maier, Alfred E.: *See—*
  Cheski, Ronald A.; and Maier, Alfred E., 4,827,231, Cl. 335-17.000.
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Maier, Bruce R. Additive for transformer oils. 4,806,276, 2-21-89, Cl. 252-570.000.
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  - Barros, Manuel; Rampel, Hans; Dinkel, Emil; Klink, Josef; and Maier, Ulrich, 4,834,456, Cl. 297-403.000.
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  - Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
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  - Conn, Kirk O.; Finlay, William, Jr.; Sutyn, Caroll S.; and Maietta, Michael G., 4,871,354, Cl. 604-89.000.
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- Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, to L'Oreal. Aromatic benzopyranyl and benzopyranyl compounds; their preparation; and their use in cosmetic compositions and human and veterinary medicine. 4,829,080, 5-9-89, Cl. 514-432.000.
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  - Grollier, Jean-Francois; and Maignan, Jean, 4,888,164, Cl. 424-63.000.
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  - Dejonghe, Lutgard C.; Visco, Steven J.; Mailhe, Catherine C.; and Armand, Michel B., 4,833,048, Cl. 429-104.000.
- Mailick, Daniel: *See—*
  - Sarna, David E. Y.; and Mailick, Daniel, 4,873,426, Cl. 235-462.000.
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- Maillefer, Charles E. Multi-screw extruder. 4,818,206, 4-4-89, Cl. 425-204.000.
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  - Bonjour, Jacques L.; and Baz, Dan G., 4,837,405, Cl. 174-36.000.
  - Bruggmann, Remy; and De Boer, Philipp, 4,796,414, Cl. 57-6.000.
  - Buluschek, Bruno, 4,859,264, Cl. 156-244.130.
  - Compagnon, Michel F., 4,832,960, Cl. 425-131.100.
  - Weber, Kurt J., 4,838,777, Cl. 425-114.000.
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  - Ismail, Amr A., 4,814,190, Cl. 426-102.000.
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- Mains, Gregory T. Tool holder. 4,867,332, 9-19-89, Cl. 220-85.00H.
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- Maisotsenko, Valery S.: *See—*
  - Gershuni, Alexandr N.; Maisotsenko, Valery S.; Zaripov, Vladilen K.; and Semena, Mikhail G., 4,842,052, Cl. 165-104.110.
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  - Corain, Luciano; and Maitan, Gianni, 4,870,996, Cl. 139-1.00R.
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- Maitland, Arthur: *See—*
  - Clark, Graeme L.; and Maitland, Arthur, 4,890,295, Cl. 372-61.000.
- Maitland, Arvin H.: *See—*
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- Maitlen, C. Gene, to VMI, Inc. Dredge cutting head with shock absorber. 4,819,346, 4-11-89, Cl. 37-66.000.
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  - Schoeff, Terry G.; and Kaufman, Rex A., 4,878,481, Cl. 126-307.00R.
- Majeed, Kamal N.: *See—*
  - Kowalik, James J.; and Majeed, Kamal N., 4,829,436, Cl. 364-424.050.
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- Majewski, Donna M.: *See—*
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- Majewski, Philippe: *See—*
  - Le Gac, Jean-Yves; Devilleger, Denis; and Majewski, Philippe, 4,884,633, Cl. 166-75.100.
- Maji, Hiroshi; and Oi, Sukehachi, to Shinko Electric Co., Ltd. Torque limiter. 4,844,220, 7-4-89, Cl. 188-267.000.
- Majid, Abdul; Clancy, Vincent P.; and Sparks, Bryan D., to Canadian Patents & Development Ltd. Preparation of composite fuels, with reduced sulfur emission characteristics, from oily and carbonaceous wastes. 4,867,755, 9-19-89, Cl. 44-604.000.
- Majima, Kazuo: *See—*
  - Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, 4,833,364, Cl. 313-414.000.
  - Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, 4,833,365, Cl. 313-414.000.
- Majima, Kunio: *See—*
  - Sakakibara, Yutaka; Ueda, Hidetaka; and Majima, Kunio, 4,860,170, Cl. 362-26.000.
- Majima, Youzou: *See—*
  - Kuroyanagi, Masatoshi; Matsui, Kazuma; Majima, Youzou; and Murakami, Fumiaki, 4,802,562, Cl. 192-1.230.
- Majkrzak, David S., to Crary Company. Modular sickle bar sections. 4,805,390, 2-21-89, Cl. 56-300.000.
- Majlessi, Heshmat. Colonic irrigation tube. 4,842,583, 6-27-89, Cl. 604-43.000.
- Major, Barbara: *See—*
  - Major, William J., 4,889,032, Cl. 89-129.010.
- Major, Dale P.: *See—*
  - Jennus, Robert E.; and Major, Dale P., 4,869,942, Cl. 428-77.000.
- Major, John E.: *See—*
  - Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.
- Major, Mihaly: *See—*
  - Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , 4,879,404, Cl. 560-051.000.
- Major, Robert D.: *See—*
  - West, Philip B.; Major, Robert D.; and Fuerstenberg, Gary D., 4,878,273, Cl. 24-289.000.
- Major, Robert W., to American Fence Company, Inc. Barbed tape barrier. 4,844,422, 7-4-89, Cl. 256-8.000.
- Major, Robert W.: *See—*
  - Cano, Renne A.; Boness, Don W.; Major, Robert W.; and Valdez, Gabriel A., 4,887,796, Cl. 256-8.000.
- Major, William J., to Major, Barbara. Automatic firearm. 4,889,032, 12-26-89, Cl. 89-129.010.
- Majoros, Istvan. Device for transforming a fluid flow. 4,824,449, 4-25-89, Cl. 55-459.100.
- Majumdar, Anup K.: *See—*
  - Loper, Alice E.; and Majumdar, Anup K., 4,797,284, Cl. 424-449.000.
  - Loper, Alice E.; and Majumdar, Anup K., 4,880,633, Cl. 424-449.000.
- Majumdar, Gourab, to Mitsubishi Denki Kabushiki Kaisha. Modified conductivity modulated MOSFET. 4,841,345, 6-20-89, Cl. 357-23.400.
- Majumdar, Gourab: *See—*
  - Mori, Satoshi; and Majumdar, Gourab, 4,890,995, Cl. 307-270.000.
  - Tabata, Mituharu; and Majumdar, Gourab, 4,866,313, Cl. 307-570.000.
- Mak, C. Lam: *See—*
  - Adolfsen, Robert H.; Hedaya, Eddie; Mak, C. Lam; and Schwarzberg, Moshe, 4,839,276, Cl. 435-7.000.
- Mak, Ching Pong: *See—*
  - Fliri, Hans; and Mak, Ching Pong, 4,855,421, Cl. 540-357.000.
- Mak, Gerd: *See—*
  - Stoll, Thomas; Killus, Martin; and Mak, Gerd, 4,856,104, Cl. 364-470.000.
- Mak, Mark K. S.: *See—*
  - Langford, Cooper H.; Mak, Mark K. S.; and Crouch, Andrew M., 4,806,514, Cl. 502-159.000.
- Makagawa, Shozo; Onishi, Shunichi; and Takagi, Akihiro, to Asaka Company Limited; and Nikon Corporation. Recording and/or reproducing apparatus using opto-magnetic disc. 4,802,021, 1-31-89, Cl. 358-342.000.
- Makaji, Shigeru: *See—*
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto,

  - Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Makansi, Tarek; Melas, Constantin M.; Patel, Arvind M.; and Souther, Steven H., to International Business Machines Corporation. Method and apparatus using multiple codes to increase storage capacity. 4,804,959, 2-14-89, Cl. 341-59.000.
- Makansi, Terek; and Hora, Robert E., to Digital Kinetics Corporation. Resistance control system for muscle therapy/exercise/training and strength measurement. 4,822,037, 4-18-89, Cl. 272-129.000.
- Makar, Francis B., Jr.; and Fryburg, George A., to GTE Products Corporation. End seal for ceramic arc discharge tubes. 4,803,403, 2-7-89, Cl. 313-624.000.
- Makar, Marko. Tape measure. 4,827,622, 5-9-89, Cl. 33-770.000.
- Makarenko, Vladimir S. Ski binding. 4,796,908, 1-10-89, Cl. 280-615.000.
- Makarenko, Vladimir S., to Leningradsky Politekhnichesky Institut. Ski binding. 4,842,294, 6-27-89, Cl. 280-615.000.
- Makarov, Nikolai S.: *See—*
  - Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maiorov, Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., 4,795,878, Cl. 219-121.800.
- Makarova, Natalya V.; Biseniex, Egils A.; Uldrikis, Yan R.; Dubur, Gunar Y.; Veveris, Maris M.; and Kimenis, Agris A. Alkoxy-and phenoxy alkyl esters of 2,6-dimethyl-4-(2-difluoromethoxyphenyl)-1,4-dihydropyridine-3,5-carboxylic acid. 4,845,109, 7-4-89, Cl. 514-356.000.
- Makaya, Yuuichi: *See—*
  - Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Tadashi; and Makaya, Yuuichi, 4,849,907, Cl. 364-518.000.
- Makayama, Satoshi: *See—*
  - Kimura, Rokusaburo; Watari, Yoshie; and Makayama, Satoshi, 4,859,152, Cl. 417-63.000.
- Makelainen, Hannu: *See—*
  - Niinivaara, Juhani; and Makelainen, Hannu, 4,835,355, Cl. 219-72.000.
- Maker, Paul D.: *See—*
  - Butler, James W.; Maker, Paul D.; Korniski, Thomas J.; and Colvin, Alex D., 4,801,805, Cl. 250-343.000.
- Makhlouf, Joseph M.; Chau, Michael M.; and Freid, James R., to PPG Industries, Inc. Modified rosin soaps for acrylic emulsions. 4,812,508, 3-14-89, Cl. 524-764.000.
- Makhlouf, Joseph M.: *See—*
  - Chasser, Anthony M.; and Makhlouf, Joseph M., 4,861,833, Cl. 525-122.000.
- Makhteshim Chemical Works Ltd.: *See—*
  - Bracha, Peretz; and Korat, Moshe, 4,854,965, Cl. 71-92.000.
  - Sharvit, Joseph; and Lubetzky, David, 4,801,716, Cl. 546-345.000.
  - Sharvit, Joseph; Lubetzky, David; and Pereferkovich, Abraham A., 4,810,797, Cl. 546-345.000.
- Maki, Akemichi: *See—*
  - Ushizawa, Koji; Maki, Akemichi; Akimoto, Toshiyuki; Nagasaki, Senkichi; and Hirata, Miyoshi, 4,816,394, Cl. 435-26.000.
- Maki, Chihiro: *See—*
  - Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
- Maki, Gary K., to Idaho Research Foundation, Inc. Programmable data path device. 4,839,851, 6-13-89, Cl. 364-900.000.
- Maki, Gary K.; Cameron, Kelly B.; and Owsley, Patrick A., to Idaho Research Foundation, Inc. High-speed real-time Reed-Solomon decoder. 4,873,688, 10-10-89, Cl. 371-37.100.
- Maki, Hans P.: *See—*
  - Branca, Quirico; Jaunin, Roland; Maki, Hans P.; Marti, Franzi; and Ramuz, Henri, 4,808,605, Cl. 514-394.000.
- Maki, Hideo: *See—*
  - Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.
  - Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.
- Maki, Hirohisa; and Suzuki, Eiichiro, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Process for producing shaped articles from vegetable particulate materials. 4,882,112, 11-21-89, Cl. 264-109.000.
- Maki, Kazuyoshi; Otsubo, Masayuki; and Uchida, Shizutaka, to Togami Electric Mfg. Co. Enclosed switchboard. 4,860,161, 8-22-89, Cl. 361-338.000.
- Maki-Kihnia, Kalevi: *See—*
  - Erametsa, Henrik; Kuvaja, Kari; Maki-Kihnia, Kalevi; and Terava, Jorma, 4,842,336, Cl. 299-8.000.
- Maki, Masahisa: *See—*
  - Inaba, Takao; Sakai, Kenji; Iida, Tadao; and Maki, Masahisa, 4,844,642, Cl. 401-213.000.
- Maki, Masao: *See—*
  - Fukuda, Akio; Kaneko, Yasunori; Maki, Masao; and Isogai, Mamoru, 4,824,730, Cl. 428-447.000.
- Maki, Melvin C.; and Feller, Walter J., to Control Data Canada Limited. Intrusion detection system. 4,879,544, 11-7-89, Cl. 340-552.000.
- Maki, Melvin C.; Feller, Walter J.; and Adams, Edward L., to Control Data Canada Limited. Perimeter intrusion detection system with block ranging capabilities. 4,887,069, 12-12-89, Cl. 340-552.000.
- Maki, Michael D.; Miller, Darrell J.; Filtz, Duane A.; and Hauck, Robert B., to General Electric Company. Expandable carriage for spot-film device. 4,845,734, 7-4-89, Cl. 378-181.000.
- Maki, Mitsuo: *See—*
  - Kasai, Kikuo; Kodera, Kimio; and Maki, Mitsuo, 4,798,310, Cl. 221-87.000.
- Maki, Mutsuo: *See—*
  - Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, 4,812,166, Cl. 75-0.50C.
- Maki, Nagatoshi. Wad for shotgun shotshell. 4,825,767, 5-2-89, Cl. 102-450.000.
- Maki, Takao: *See—*
  - Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, 4,811,232, Cl. 364-426.020.
  - Shimanuki, Haruki; Maki, Takao; and Takahashi, Yoshio, 4,883,325, Cl. 303-96.000.
- Maki, Tetsu, to Kansai Paint Co., Ltd. Coating composition for metals. 4,812,537, 3-14-89, Cl. 525-488.000.
- Maki, Tokio: *See—*
  - Kamiyama, Akira; and Maki, Tokio, 4,795,924, Cl. 310-67.00R.
- Maki, Tooru: *See—*
  - Takashima, Yasuji; Koyama, Ikuo; Maki, Tooru; and Nakamori, Katsu, 4,853,249, Cl. 427-3.000.
- Maki, Toshiya. Pulverizing method. 4,884,753, 12-5-89, Cl. 241-3.000.
- Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, to Nissan Motor Co., Ltd.; and NDC Co., Ltd. Aluminum base bearing alloy and method of producing same. 4,857,267, 8-15-89, Cl. 419-31.000.
- Maki, Yoshitaka: *See—*
  - Terao, Shinji; and Maki, Yoshitaka, 4,857,516, Cl. 514-100.000.
- Makiguchi, Nobuyoshi: *See—*
  - Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, 4,879,411, Cl. 562-401.000.
- Makihara, Novuo; Ono, Hiroshi; and Kawamura, Norimasa, to Nissan Motor Co., Ltd. Outboard propulsion unit supporting system for boat. 4,878,865, 11-7-89, Cl. 440-66.000.
- Makihara, Novuo: *See—*
  - Tahara, Hideo; Makihara, Novuo; and Ono, Hiroshi, 4,889,507, Cl. 440-61.000.
- Makimoto, Mitsuo; and Ohba, Motoi, to Matsushita Electric Industrial Co. Ltd. Dielectric resonator for microwave band. 4,812,791, 3-14-89, Cl. 333-219.000.
- Makimoto, Mitsuo: *See—*
  - Misaizu, Kouei; Makimoto, Mitsuo; and Endo, Haruyoshi, 4,876,744, Cl. 455-326.000.
  - Ohba, Motoi; and Makimoto, Mitsuo, 4,841,255, Cl. 331-14.000.
  - Takahashi, Kenichi; Hasegawa, Makoto; and Makimoto, Mitsuo, 4,864,644, Cl. 455-326.000.
- Makimoto, Shoichi: *See—*
  - Kamada, Mamoru; Nagase, Fumiaki; Takeuchi, Eiichi; Nakano, Toshihiko; and Makimoto, Shoichi, 4,848,931, Cl. 383-104.000.
- Makimura, Masaru; and Kogame, Kunio, to Kuraray Co., Ltd. Fiber entanglements and method of producing same. 4,833,012, 5-23-89, Cl. 428-288.000.
- Makin, Brent A. Flush mounted self-flashing dual pane skylight. 4,825,608, 5-2-89, Cl. 52-200.000.
- Makin, John W.: *See—*
  - Gilmore, Larry J.; and Makin, John W., 4,824,559, Cl. 209-23.000.
- Makinen, Heimo: *See—*
  - Kahkipuro, Matti; Makinen, Heimo; and Perttula, Jouko, 4,880,082, Cl. 187-134.000.
- Makino, Daisuke: *See—*
  - Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.
  - Koibuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, 4,801,519, Cl. 430-331.000.
  - Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.
- Makino, Fumio, to Sumitomo Electric Industries, Ltd. Method for establishing link between vehicle-mounted electronic control unit and testing device. 4,831,868, 5-23-89, Cl. 73-118.100.
- Makino, Hideaki: *See—*
  - Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, 4,816,524, Cl. 525-378.000.
  - Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, 4,804,259, Cl. 350-96.340.
- Makino, Hiroaki: *See—*
  - Yamanoi, Yoshinori; and Makino, Hiroaki, 4,867,733, Cl. 474-161.000.
- Makino, Hiroshi: *See—*
  - Tamemasa, Hiroshi; Makino, Hiroshi; and Nagai, Tadao, 4,863,510, Cl. 75-0.50A.
- Makino, Hisao; and Makino, Masahiko, to Kaiyo Kogyo Kabushiki Kaisha. Water aeration apparatus. 4,828,696, 5-9-89, Cl. 210-220.000.
- Makino, Junichi: *See—*
  - Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-350.000.
- Makino, Katsumi; Sasaki, Noboru; and Takahashi, Koji, to Fuji Photo Film Co., Ltd. Color photographic material yellow and cyan dye forming couplers and compound which produces a diffusible development inhibitor or a precursor in a blue sensitive layer. 4,806,459, 2-21-89, Cl. 430-544.000.
- Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, to Fuji Photo Film Co., Ltd. Light-sensitive silver halide emulsion and color photographic materials using the same. 4,853,322, 8-1-89, Cl. 430-567.000.
- Makino, Katsumi: *See—*
  - Ohashi, Yuichi; Shibahara, Yoshihiko; Makino, Katsumi; and Takehara, Hiroshi, 4,835,095, Cl. 430-567.000.
- Makino, Kounoshin: *See—*
  - Uetsuki, Haruo; Kobayashi, Takehiro; and Makino, Kounoshin, 4,821,975, Cl. 242-84.52B.
- Makino, Kuniyasu; and Okamoto, Yuji, to Brother Kogyo Kabushiki Kaisha. Printer capable of printing the same data repeatedly on a plurality of copies. 4,825,405, 4-25-89, Cl. 364-900.000.
- Makino, Kuniyasu: *See—*
  - Yamamoto, Takemi; Makino, Kuniyasu; and Suzuki, Makoto, 4,824,220, Cl. 350-354.000.
- Makino, Masahiko: *See—*
  - Makino, Hisao; and Makino, Masahiko, 4,828,696, Cl. 210-220.000.
- Makino, Masahiro: *See—*
  - Endo, Katsuo; and Makino, Masahiro, 4,875,641, Cl. 242-199.000.
- Makino, Masamori, to Konica Corporation. Solid-state image sensor circuit. 4,814,881, 3-21-89, Cl. 358-167.000.
- Makino, Masamori: *See—*
  - Hoshino, Yasushi; and Makino, Masamori, 4,839,677, Cl. 354-195.100.
  - Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-400.000.
- Makino, Masayuki, to NEC Corporation. Mobile radio communications system. 4,796,291, 1-3-89, Cl. 358-58.000.
- Makino, Masayuki, to NEC Corporation. Method of connecting a cordless telephone by radio. 4,856,083, 8-8-89, Cl. 455-166.000.
- Makino, Mikio: *See—*
  - Katsu, Masanori; and Makino, Mikio, 4,856,577, Cl. 165-8.000.
- Makino, Naonori; Hioki, Takanori; Inagaki, Yoshio; and Horie, Seiji, to Fuji Photo Film Co., Ltd. Photoconductive composition having an azaazulenium salt. 4,840,862, 6-20-89, Cl. 430-75.000.
- Makino, Naonori: *See—*
  - Horie, Seiji; Makino, Naonori; and Sato, Hideo, 4,814,245, Cl. 430-59.000.
  - Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,851,322, Cl. 430-270.000.
- Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, to Nippondenso Co., Ltd. Braking system with apparatus for controlling pressure to be accumulated in accumulator for braking motor vehicle. 4,880,282, 11-14-89, Cl. 303-116.000.
- Makino, Osamu: *See—*
  - Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,683, Cl. 419-10.000.
- Makino, Reiji: *See—*
  - Horiki, Seinosuke; and Makino, Reiji, 4,822,650, Cl. 428-34.200.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,835,026, Cl. 428-40.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,844,285, Cl. 220-287.000.
  - Horiki, Seinosuke; Makino, Reiji; Ito, Kuninori; and Unno, Tetuji, 4,868,045, Cl. 428-314.400.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,879,158, Cl. 428-159.000.
- Makino, Satoshi: *See—*
  - Yoshino, Syuji; Makino, Satoshi; Fujita, Mitsuo; and Shimizu, Yukio, 4,839,204, Cl. 428-358.000.
- Makino, Shigeo, to Bridgestone Corporation. Pneumatic tire having asymmetrical groove cross section. 4,840,211, 6-20-89, Cl. 152-209.00R.
- Makino, Shoso: *See—*
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Makino, Syozaburo; and Hirabayashi, Shouji, to Nippon Selen Co., Ltd. Yarn break detector for spinning and weaving machines. 4,881,062, 11-14-89, Cl. 340-677.000.
- Makino, Takamoto: *See—*
  - Miyata, Katsuaki; Sakuma, Yutaka; Motoyama, Shimesu; Gotou, Masakazu; Shirakawa, Hiromu; and Makino, Takamoto, 4,799,449, Cl. 118-19.000.
- Makino, Takao: *See—*
  - Arai, Eiichi; Mori, Keisuke; and Makino, Takao, 4,809,311, Cl. 378-110.000.
- Makino, Takashi; and Asami, Shuji, to Kabushiki Kaisha Toshiba. Delay circuit of a variable delay time. 4,820,943, 4-11-89, Cl. 307-603.000.
- Makino, Toshihiko; and Nagasawa, Makoto, to NEC Corporation. Method and system for a magnetic disk drive employing a quadratic compensation function for determining an offset correction value. 4,878,135, 10-31-89, Cl. 360-78.040.
- Makino, Toshiyuki; and Yamaguchi, Tsuyoshi, to Hitachi Seiko, Ltd. Stylus coordinate determining device with distortion compensation. 4,798,920, 1-17-89, Cl. 178-19.000.
- Makino, Yasuaki: *See—*
  - Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
- Makino, Yoshiaki: *See—*
  - Namikawa, Mamoru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, 4,849,618, Cl. 235-493.000.
- Makino, Yoshihiro: *See—*
  - Ando, Takashi; Makino, Yoshihiro; Kishimoto, Yoshinobu; and Asaoka, Tetsuki, 4,831,472, Cl. 360-96.500.
- Makino, Yoshiyuki: *See—*
  - Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R.
  - Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.
- Makino, Yuji; Matugi, Hideo; and Suzuki, Yoshiki, to Teijin Ltd. Sustained release preparation. 4,814,176, 3-21-89, Cl. 424-457.000.
- Makino, Yuji; Suzuki, Yoshiki; and Aoyagi, Takashi, to Teijin, Limited. Method for treating psoriasis by externally administering to a patient a pharmaceutical composition containing active-type vitamin D. 4,871,723, 10-3-89, Cl. 514-167.000.
- Makino, Yutaka: *See—*
  - Yamamoto, Akihiro; Makino, Yutaka; and Kaino, Shinji, 4,817,849, Cl. 228-103.000.
- Makinouchi, Susumu: *See—*
  - Ishizaka, Shoji; Mizutani, Hideo; Makinouchi, Susumu; and Tanimoto, Akikazu, 4,801,977, Cl. 355-30.000.
  - Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, 4,860,374, Cl. 382-48.000.
- Makinson, Edward. Clip for installing carpet fixing strip. 4,843,676, 7-4-89, Cl. 16-4.000.
- Makio, Satoshi: *See—*
  - Takeda, Shigeru; and Makio, Satoshi, 4,865,429, Cl. 350-375.000.
- Makio, Tatsumi: *See—*
  - Matsushita, Kouji; Nakagami, Hidekazu; Nishioka, Nobuaki; and Makio, Tatsumi, 4,811,045, Cl. 355-3.0CH.
- Makiol, Fritz, to Girsberger Holding AG. Swivel chair. 4,834,453, 5-30-89, Cl. 297-301.000.
- Makishima, Hideo; and Hyodo, Kenji, to Mitsubishi Paper Mills, Ltd. Thermal transfer material. 4,853,274, 8-1-89, Cl. 428-143.000.
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- Makishima, Reichi: *See—*
  - Sasa, Takeya; Kobayashi, Yoshikazu; and Makishima, Reichi, 4,875,720, Cl. 285-249.000.
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  - Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.
- Makita Electric Works, Ltd.: *See—*
  - Fushiya, Fusao; Inoue, Nobuhiro; and Tsuge, Kazunori, 4,805,504, Cl. 83-397.000.
  - Fushiya, Fusao, 4,876,063, Cl. 81-55.000.
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  - Okumura, Michio, 4,823,885, Cl. 173-12.000.
  - Sasaki, Katsuhiko, 4,809,572, Cl. 81-429.000.
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- Maloney, Mic[illegible] O., to Streck, Donald A., a part interest. Audio microphone [illegible]m with digital output and volume control feedback input. 4,882,[illegible] 11-21-89, Cl. 455-617.000.
- Maloney, Patrick D.: *See—*
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- Maloney, Timothy J., to Intel Corporation. Excess energy protection device. 4,821,096, 4-11-89, Cl. 357-23.130.
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  - Malvino, Albert P.; and Malvino, Joanna M., 4,854,878, 434-335.000.
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  - Hajek, Josef; and Mamberer, Hans, 4,821,640, Cl. 101-177.000.
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  - Hirata, Atsuomi; and Mamiya, Hirokuni, 4,890,152, Cl. 357-72.0
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  - Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Iso Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.
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  - Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.
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  - Tittle, Douglas L., 4,886,590, Cl. 204-232.000.
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  - Blotenberg, Wilfried, 4,831,534, Cl. 364-431.020.
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  - Guido, Heinz, 4,843,614, Cl. 373-72.000.
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  - Schlemenat, Alfred; and David, Helmut, 4,852,644, Cl. 165-158.000.
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  - Gherling, Jan, 4,833,750, Cl. 14-27.000.
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  - Ali, Mir L.; Bateman, John F.; and Man, Ming, 4,820,760, Cl. 524-423.000.
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  - Hagin, Faust; Seethaler, Franz; Zelinka, Robert; and Stiglmaier, Manfred, 4,796,488, Cl. 74-713.000.
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  - Hormann, Rudolf, 4,809,745, Cl. 137-574.000.
  - Kubis, Heribert; and Winter, Josef, 4,867,118, Cl. 123-193.0CH.
  - Lexen, Gerald, 4,813,510, Cl. 180-165.000.
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  - Schubert, Klaus; Schmidt, Werner; Watzek, Gerhard; Koch, Erich; John, Herbert; and Kraus, Wolfgang, 4,813,736, Cl. 296-190.000.
- MAN Roland Druckmaschinen AG: *See—*
  - Abendroth, Paul; Mathes, Josef; and Holl, Roland, 4,852,488, Cl. 101-246.000.
  - Fischer, Hermann, 4,802,663, Cl. 271-227.000.
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  - Handschuher, Walter, 4,819,557, Cl. 101-228.000.
  - Knauer, Peter, 4,807,527, Cl. 101-216.000.
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  - Liebert, Oskar; Theilacker, Klaus; and Meitinger, Johann, 4,833,982, Cl. 101-177.000.
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  - Melzer, Rudolf; and Tollowski, Gunter, 4,869,603, Cl. 384-255.000.
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  - Rebel, Herbert; and Hummel, Peter, 4,831,928, Cl. 101-216.000.
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  - Bickel, Martin; and Baum, Albrecht, 4,825,036, Cl. 219-121.780.
  - Dreher, Gunther; and von Korff, Peter, 4,866,622, Cl. 364-431.040.
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- Mana, Michael L., to Atlantic Richfield Company. Consolidated proppant pack for producing formations. 4,875,525, 10-24-89, Cl. 166-280.000.
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  - Monden, Yukio; and Manabe, Akira, 4,857,695, Cl. 219-85.220.
- Manabe, Chitaka, to Kabushiki Kaisha Kobe Seiko Sho. Method of measuring furnace temperature in hot isostatic pressing unit and device for measuring same. 4,815,098, 3-21-89, Cl. 374-130.000.
- Manabe, Daisuke, to Nippon Electric Co., Ltd. Color filter for a solid state imaging device. 4,882,616, 11-21-89, Cl. 358-44.000.
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- Manabe, Katsuki, to Sigma Enterprises, Incorporated. Roulette playing device. 4,869,505, 9-26-89, Cl. 273-142.00R.
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- Manabe, Kenji: *See—*
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- Manabe, Masamichi, to Pioneer Electronic Corporation. Lead frame including deformable plates. 4,797,726, 1-10-89, Cl. 357-70.000.
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- Manabe, Sadao: *See—*
  - Fujita, Hiroyuki; Yoshida, Iwao; Takagi, Mitsuo; Manabe, Sadao; and Fukai, Konosuke, 4,810,492, Cl. 424-88.000.
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  - Yokoi, Koji; Yoshiyagawa, Mitsugi; and Manabe, Seiichiro, 4,824,806, Cl. 501-35.000.
- Manabe, Sohei: *See—*
  - Iesaka, Mamoru; Matsunaga, Yoshiyuki; Manabe, Sohei; and Harada, Nozomu, 4,807,037, Cl. 358-213.310.

- Manabe, Sugio: *See—*
  - Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taiichi; and Manabe, Sugio, 4,844,887, Cl. 422-65.000.
- Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, to Nissan Motor Co., Ltd.; and Matsushita Electric Industrial Co., Ltd. Electronic circuit apparatus. 4,858,071, 8-15-89, Cl. 361-386.000.
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  - Nakatani, Yoshio; Tamura, Tooru; Nozu, Mikio; and Manabe, Takahiro, 4,843,520, Cl. 361-395.000.
- Manabe, Toshikatsu: *See—*
  - Yoshimitsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000.
- Manabe, Yoshiaki: *See—*
  - Nishitani, Shinji; Minamikawa, Junichi; Kano, Masanobu; Otsubo, Junichiro; and Manabe, Yoshiaki, 4,795,814, Cl. 546-249.000.
- Manabe, Yukihiro: *See—*
  - Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.
- Manabe, Yukio: *See—*
  - Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.
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  - Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, 4,857,576, Cl. 524-409.000.
- Management Information Technologies, Inc.: *See—*
  - Adi, Tammam, 4,849,898, Cl. 364-419.000.
- Manahan, Michael P., Sr., to Battelle Development Corporation. Determining fracture mode transition behavior of solid materials using miniature specimens. 4,864,867, 9-12-89, Cl. 73-851.000.
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  - Atago, Takeshi; Mouri, Yasunori; and Manaka, Toshio, 4,821,698, Cl. 123-478.000.
  - Nagano, Masami; Atago, Takeshi; and Manaka, Toshio, 4,799,469, Cl. 123-418.000.
- Manalastas, Pacifico V.: *See—*
  - Duvdevani, Ilan; Manalastas, Pacifico V.; and Drake, Evelyn N., 4,801,498, Cl. 428-334.000.
- Manan Manufacturing Co., Inc.: *See—*
  - Strasser, Robert K.; and Netsch, Robert L., 4,838,282, Cl. 128-754.000.
- Manas, Jorge F. Container for making ice cubes. 4,883,251, 11-28-89, Cl. 249-53.00R.
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  - Akao, Masaru; Okamoto, Yoshio; Manba, Akio; and Ichimoto, Takehiko, 4,800,034, Cl. 252-56.00S.
- Manca, Marcello: *See—*
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
- Manca, Richard D.; and Barbetta, Angelo J., to Xerox Corporation. Toner and developer compositions with sulfur cotaining organopolysiloxane waxes. 4,820,604, 4-11-89, Cl. 430-110.000.
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- Mancel, James C.; and Raiskums, Olaf B., to Rainbow Star Licensing S.A. Ornament production. 4,849,042, 7-18-89, Cl. 156-227.000.
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  - Raiskums, Olaf B.; and Mancel, James D., 4,840,689, Cl. 156-217.000.
- Manchak, Frank, Jr. Device for sampling soils and retaining volatiles therein and method of using same. 4,809,790, 3-7-89, Cl. 175-17.000.
- Manchak, Frank, Jr. Apparatus for detoxification of lagoons. 4,818,390, 4-4-89, Cl. 210-170.000.
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- Manchester R & D Partnership: *See—*
  - Fergason, James L., 4,810,063, Cl. 350-347.00V.
  - Fergason, James L., 4,815,826, Cl. 350-339.00F.
  - Fergason, James L., 4,834,508, Cl. 350-339.00F.
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  - Noguchi, Kazuo; and Konet, Keith A., 4,832,541, Cl. 407-114.000
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  - Dick, George W.; and Manchon, Denis D., Jr., 4,833,463, Cl 340-775.000.
- Mancin, Susanne C.: *See—*
  - Cohen, Marvin; and Mancin, Susanne C., 4,820,160, Cl 433-229.000.
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- Mancini, Derek, to Inoform Equipment Ltd. Disposable container 4,809,852, 3-7-89, Cl. 206-620.000.
- Mancini, Derek, to Inoform Equipment Ltd. Packaging machine 4,862,676, 9-5-89, Cl. 53-453.000.
- Mancini, Derek V., to Consumers Glass Company Limited. Precision lid fit filling machine. 4,819,413, 4-11-89, Cl. 53-478.000.
- Mancini, Maria; and Gasperi, Carlo, to Duto S.p.A. Method and a device for opening doors or the like, the device comprising an electronic control with combination of consent and optical compared reading. 4,870,261, 9-26-89, Cl. 235-382.000.
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  - Thompson, Herbert A.; Tomlinson, Paul R.; Dropps, Kevin J; and Mancini, Ronald A., 4,843,295, Cl. 318-786.000.
- Mancini, Steven A.; and Kutschka, Joseph D., to General Dynamics Corporation/Pomona Division. Folding wing structure for missile 4,858,851, 8-22-89, Cl. 244-327.000.
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  - Burns, Drusilla L.; and Manclark, Charles R., 4,845,036, Cl 435-194.000.
- Manco Corporation of West Bend: *See—*
  - Gehring, Andrew A.; and Loomans, David, 4,815,396, Cl 108-149.000.
  - Gehring, Andrew A., 4,862,764, Cl. 74-606.00R.
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  - Corbo, Thomas E.; Cisek, Richard J., Jr.; Mattnews, Kathryn M.; and Sehringer, George K., 4,854,060, Cl. 40-152.100.
  - Kahl, John J., Jr.; Vulpitta, Brian A.; Corbo, Thomas A.; Saunders, Craig M.; and Nottingham, John R., 4,884,734, Cl. 225-26.000.
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- Mancusi Jr., Joseph J. Electrically enhanced artificial tree. 4,855,880, 8-8-89, Cl. 362-123.000.
- Mancuso, James F.; Maxwell, William B.; and Danilatos, Gerasimos D., to ElectroScan Corporation. Secondary electron detector for use in a gaseous atmosphere. 4,880,976, 11-14-89, Cl. 250-310.000.
- Mancuso, Matthew A., to Keibler-Thompson Corp. Apparatus and method for removing dross ridges from a metal workpiece. 4,859,126, 8-22-89, Cl. 409-293.000.
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- Mand, Ranjit S., to Northern Telecom Limited. Monolithic integration of optoelectronic and electronic devices. 4,847,665, 7-11-89, Cl. 357-16.000.
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  - Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000.
- Mandai, Fujiyo: *See—*
  - Kawai, Hiroyuki; Shibukawa, Takeo; and Mandai, Fujiyo, 4,869,701, Cl. 446-91.000.
- Mandai, Harufumi: *See—*
  - Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.
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  - Davis, Gordon T.; and Mandalia, Baiju D., 4,849,706, Cl. 329-112.000.
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- Mandano, Barbara: *See—*
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- Mandel, Barry P., to Xerox Corporation. Sheet turning and registration system. 4,877,234, 10-31-89, Cl. 271-225.000.
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  - Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, 4,807,108, Cl. 364-148.000.
- Mandel, Linda; and Ensign, Edward, to Mandel, Linda. Image rotator for rotating an image ninety degrees. 4,861,150, 8-29-89, Cl. 350-622.000.
- Mandel, Paul M., Jr.: *See—*
  - Hughes, Cleveland L.; Williams, Timothy N.; and Mandel, Paul M., Jr., 4,840 669, Cl. 106-19.000.
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- Mandel, Ronald L. Material transporting arrangement. 4,829,909, 5-16-89, Cl. 108-55.500.
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- Mandel, Sheldon W.; and Banerjee, Chinmoy, to Maytag Corporation. Heat transfer barrier for the yoder loop of a refrigerator cabinet. 4,884,415, 12-5-89, Cl. 62-277.000.
- Mandelbaum, Andrew M., to Superba, Inc. Combination display structure and shipping carton for neckties or the like. 4,842,131, 6-27-89, Cl. 206-45.150.
- Mandelcorn, Josh, to Pioneer Magnetics, Inc. Status indicating circuit for paralleled switching power supplies. 4,855,665, 8-8-89, Cl. 323-272.000.
- Mandelko, Melvin A. Tire bead separator. 4,804,030, 2-14-89, Cl. 157-1.170.
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- Mandell, Gerald D. Travel accessory. 4,878,359, 11-7-89, Cl. 62-239.000.
- Mandell, Leo: *See—*
  - Eklund, Vidar; Fors, Jan; Mandell, Leo; Meinander, Kerstin; Selin, Johan-Fredrik; and Turunen, Olli T., 4,861,874, Cl. 536-32.000.
- Mandell, Russell F., to Emhart Industries, Inc. Control valve for a mandrel collection system. 4,888,974, 12-26-89, Cl. 72-391.000.
- Mandelli S.p.A.: *See—*
  - Badagnani, Giuseppe, 4,842,457, Cl. 400-183.000.
- Mandellos, Panagiotis K.; and Rutili, Renzo N., to Stewart Warner Corporation. Instrument illumination system. 4,807,090, 2-21-89, Cl. 362-26.000.
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  - Hager, Juergen; Vieth, Walter; and Manderla, Werner, 4,798,114, Cl. 83-522.000.
- Manderson, William: *See—*
  - Smith, Garry D. F.; and Manderson, William, 4,884,935, Cl. 414-498.000.
- Mandet, Gerard M. F.; and Martinez, Rodolphe, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Control mechanism for injector diaphragms. 4,825,641, 5-2-89, Cl. 60-39.230.
- Mandeville, Jon R., to International Business Machines Corporation. Method for automatic optical inspection analysis of integrated circuits. 4,853,967, 8-1-89, Cl. 382-8.000.
- Mandeville, W. Harry: *See—*
  - Coffen, David L.; Holland, George W.; Mandeville, W. Harry; Rosen, Perry; and Wong, Frederick, 4,866,205, Cl. 562-504.000.
- Mandi, Attila: *See—*
  - Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
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- Mandin, Claude: *See—*
  - Lancesseur, Francois; and Mandin, Claude, 4,805,789, Cl. 215-6.000.
- Mandl, William J., to Aerojet-General Corporation. Low power eprom logic cell and logic arrays thereof. 4,803,661, 2-7-89, Cl. 365-184.000.
- Mandle, Jacques; and Goudon, Jean-Claude, to Crouzet. Method for determining the air speed of a helicopter, system for carrying on this method and method for calibrating such air speed determining method and system. 4,829,441, 5-9-89, Cl. 364-434.000.
- Mandler, Michael: *See—*
  - Shadrach, William S., III; Mandler, Michael; Moch, Ihor D.; Zitomer, Bernard; and Stewart, John L., II, 4,872,555, Cl. 206-459.000.
- Mandoh, Ritsuo: *See—*
  - Arai, Naoto; Nojima, Masaharu; and Mandoh, Ritsuo, 4,882,310, Cl. 503-207.000.
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- Mandracchia, Janet A.: *See—*
  - Mandracchia, Charles D.; and Mandracchia, Janet A., 4,854,607, Cl. 280-801.000.
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  - Beezer, Earl F.; and Sullivan, Daniel F., 4,813,303, Cl. 74-425.000.
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- Mandy, Robert R. Down lighting systems and fixtures therefor. 4,890,200, 12-26-89, Cl. 362-20.000.
- Mandzsu, Jozsef: *See—*
  - Jaki, Laszlo; Jodal, Sandor; Mandzsu, Jozsef; and Pap, Endre, 4,823,490, Cl. 40-449.000.
- Manea, Giovanni, to Construzioni Meccaniche Manea S.r.l. Machine for forming a tucked selvedge, lightened and of low thickness, in fabrics produced on shuttle-less looms. 4,848,415, 7-18-89, Cl. 139-434.000.
- Manecke, Georg: *See—*
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- Manela, David: *See—*
  - Schilling, Donald L.; and Manela, David, 4,796,260, Cl. 371-39.000.
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- Manente, Ralph A.: *See—*
  - Melcher, Charles L.; Manente, Ralph A.; and Schweitzer, Jeffrey S., 4,883,956, Cl. 250-269.000.
- Manenti, Luciano: *See—*
  - Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,872,007, Cl. 340-870.010.
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- Manera, Roberto: *See—*
  - Nigris, Giovanni; and Manera, Roberto, 4,889,178, Cl. 164-448.000.
- Manes, Jack J., to Shelley, Prentiss, a part interest. Tree stand with improved locking means. 4,834,217, 5-30-89, Cl. 182-187.000.
- Manes, Michael R., to Aspen Laboratories, Inc. Return electrode contact monitor. 4,848,335, 7-18-89, Cl. 128-303.130.
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  - Duncan, William M.; Glass, George E.; Johnson, Jeffrey L.; McMillan, Edward A.; Maney, Frank S.; McConnell, James R., Jr.; Roberts, Kenneth P.; and Sanders, Timothy R., 4,870,863, Cl. 73-431.000.
- Maney, George A.; Faraco, W. George; and Parikh, Mihir, to Asyst Technologies, Inc. Box door actuated retainer. 4,815,912, 3-28-89, Cl. 414-217.000.
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- Manfredi, Frank A. Male urinary drain system. 4,846,816, 7-11-89, Cl. 604-323.000.
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- Mangal, Norman F.: *See—*
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- Mangalam, Sivaramakrishnan M.: *See—*
  - Stack, John P.; and Mangalam, Sivaramakrishnan M., 4,848,153, Cl. 73-432.100.

- Mangano, Joseph: *See—*
  - Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.
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- Mangelsdorf, Christopher W., to Analog Devices, Inc. Decoding circuit for flash-type analog-to-digital converter. 4,884,075, 11-28-89, Cl. 341-159.000.
- Mangelsdorf, Juergen: *See—*
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- Mangeym, Gennady: *See—*
  - Guzik, Nahum E.; Mangeym, Gennady; and Yung, Tony K., 4,829,545, Cl. 375-120.000.
- Manghen S.r.l.: *See—*
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- Mangiapane, Rosario: *See—*
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- Mangiaracina, Pietro: *See—*
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- Mangiarotti, Luigi: *See—*
  - Spada, Valter; and Mangiarotti, Luigi, 4,795,019, Cl. 198-347.000.
- Mangiarotty, Rudolph A., to Boeing Company, The. Control of laminar flow in fluids by means of acoustic energy. 4,802,642, 2-7-89, Cl. 244-200.000.
- Mangin, Patrick: *See—*
  - Fayolle, Lucien; Mangin, Patrick; and Nineuil, Guy, 4,850,426, Cl. 165-111.000.
- Mangir, Metin S.: *See—*
  - Lucero, David J.; Parazzoli, Claudio G.; and Mangir, Metin S., 4,876,693, Cl. 372-82.000.
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- Mangliers, Thomas J.: *See—*
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- Manglos, Stephen H., to United States of America, Energy. Neutron range spectrometer. 4,837,442, 6-6-89, Cl. 250-390.010.
- Mangnall, Keith, to Hick, Hargreaves & Company Limited. Liquid deaerating apparatus. 4,853,006, 8-1-89, Cl. 55-185.000.
- Mangold, Artur: *See—*
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- Mangold, Dieter: *See—*
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- Mangold, Donald J.: *See—*
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- Mangone, Angelo, to Ferrosud S.p.A. Rail-highway semitrailer. 4,869,177, 9-26-89, Cl. 105-4.200.
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- Mangone, Peter G., Jr. Cable mounting apparatus and method. 4,801,061, 1-31-89, Cl. 227-120.000.
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  - Tupper, Robert B.; Mangus, James D.; Sharbaugh, John E.; Brown, Gedney B.; Livingston, Julie M.; and Dhalla, Asfandiar K., 4,859,402, Cl. 376-285.000.
- Mangus, Kenneth H., Sr. Log splitting apparatus. 4,800,937, 1-31-89, Cl. 144-193.00A.
- Mangyo, Katsumi: *See—*
  - Kodama, Hiroyuki; Mangyo, Katsumi; and Ichimura, Takeo, 4,812,423, Cl. 501-55.000.
- Manhardt, Paul D.; and Nitzberg, Leonard R. Flow rate limiting device for fuel dispensing nozzles. 4,844,344, 7-4-89, Cl. 239-590.000.
- Manhart, Sigmund: *See—*
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- Mani, Daniel, to International Baking Co., Inc. Apparatus for the manufacture of perforated pita bread and method of manufacturing the same. 4,889,043, 12-26-89, Cl. 99-450.200.
- Mani, Simon: *See—*
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- Mania Elektronik Automatisation Entwicklung und Geratebau GmbH: *See—*
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  - Fossum, Tryggve; Hetherington, Ricky C.; Fite, David B., Jr.; Manley, Dwight P.; McKeen, Francis X.; and Murray, John E., 4,888,679, Cl. 364-200.000.
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  - Gorjup, Johann; Pleschiutschnigg, Fritz P.; and von Schnakenburg, Joachim, 4,814,006, Cl. 75-59.120.
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  - Eisenbacher, Egon, 4,813,858, Cl. 418-61.200.
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Nakagawa, Susumu; Ushijima, Ryosuke; Nakano, Fumio; Yamada, Koji; and Mano, Eiichi, 4,883,868, Cl. 540-222.000.

Mano, Eiko: *See—*

Ikada, Junji; and Mano, Eiko, 4,873,227, Cl. 514-47.000.

Mano, Hiroshi; Tsurusaki, Masayuki; Sano, Yoshikazu; and Shiomi, Junichi, to Kabushiki Kaisha Toshiba. Digital key telephone system. 4,887,264, 12-12-89, Cl. 370-58.200.

Mano, Hiroshi: *See—*

Tsurusaki, Masayuki; Wakabayashi, Tamotsu; Mano, Hiroshi; and Mori, Hideyasu, 4,852,158, Cl. 379-393.000.

Mano, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Method and apparatus for converting display data form. 4,855,728, 8-8-89, Cl. 340-805.000.

Mano, Hiroyuki: *See—*

Tachiuchi, Tsuguji; Mano, Hiroyuki; and Takashi, Terumi, 4,808,991, Cl. 340-793.000.

Mano, Kozo, to Noritsu Kenkyu Center Co., Ltd. Paper guide assembly for photographic processor. 4,846,387, 7-11-89, Cl. 226-199.000.

Mano, Tsutomu; Kawase, Jiro; Misu, Daisuke; and Obayashi, Michio, to Kao Corporation. Dye composition for keratinous fiber. 4,871,372, 10-3-89, Cl. 8-410.000.

Manocha, Ajit S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Polysilicon fillet. 4,807,013, 2-21-89, Cl. 357-59.000.

Manohar, Namala L. Hemofilter for use in a continuous arterio-venous hemofiltration. 4,888,109, 12-19-89, Cl. 210-94.000.

Manor, Gedalyahu, to Technion Research & Development Foundation Ltd. A surveying and mapping apparatus for indicating the level differences of the ground travelled in relation to the distance travelled. 4,858,329, 8-22-89, Cl. 33-775.000.

Manor, Shalom; Pipko, Grigori; Langham, Adrian; Friedman, Nitza; and [illegible]ner, Amalia, to Haifa Chemicals Ltd. Process for the manufacture of monopotassium phosphate. 4,836,995, 6-6-89, Cl. 423-309.000.

Manos, Philip: *See—*

Ekiner, Okan M.; Hayes, Richard A.; and Manos, Philip, 4,863,496, Cl. 55-158.000.

Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, to Synthelabo. Imidazo[4,5-b]pyridin-2-one derivatives. 4,806,560, 2-21-89, Cl. 546-118.000.

Manoury, Philippe; Binet, Jean; and DeFosse, Gerard, to Synthelabo. Benzimidazole derivatives and pharmaceutical compositions containing them. 4,820,710, 4-11-89, Cl. 514-272.000.

Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, to Synthelabo. Piperidine derivatives, and their application in therapy. 4,853,387, 8-1-89, Cl. 514-272.000.

Manoury, Philippe; Rossey, Guy; Binet, Jean; DeFosse, Gerard; and Jabri, Najib, to Synthelabo. Antihistaminic benzimidazole derivatives. 4,857,536, 8-15-89, Cl. 514-322.000.

Manoury, Philippe; and Grollier, Jean F., to L'Oreal. 1-piperazinylpyrimidine derivatives and application thereof in therapeutics and cosmetics. 4,885,296, 12-5-89, Cl. 514-252.000.

Manoux, Alain: *See—*

Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Manoux, Alain; and Tailhades, Philippe, 4,803,291, Cl. 556-31.000.

Manowitz, Milton: *See—*

Virgilio, Joseph A.; Manowitz, Milton; and Heilweil, Emanuel, 4,841,063, Cl. 548-213.000.

Manresa, Inc.: *See—*

Vaillancourt, Vincent L., 4,830,914, Cl. 428-41.000.

Vaillancourt, Vincent L., 4,834,108, Cl. 128-673.000.

Manring, Gary L.: *See—*

Barford, Brian D.; Fulmer, Andrew W.; and Manring, Gary L., 4,835,148, Cl. 514-179.000.

Manrique, J. E.: *See—*

Lord, David L.; McDaniel, Buddy W.; Harris, Lawrence E.; and Manrique, J. E., 4,887,670, Cl. 166-281.000.

Manrubia, Robert. Frame stabilizing apparatus. 4,881,333, 11-21-89, Cl. 40-152.100.

Mansat, Christian, to Sulzer Brothers Limited; and Protek AG. Crucial ligament replacement for a knee joint. 4,863,471, 9-5-89, Cl. 623-13.000.

Manschitz, Erwin: *See—*

Plank, Uto; Neumaier, Anton; and Manschitz, Erwin, 4,878,679, Cl. 279-19.400.

Manschwetus, Helmut, to Thyssen Industrie AG. Lifting mechanism for the pressing roller of the feed mechanism of a crusher for scrap. 4,867,382, 9-19-89, Cl. 241-101.200.

Manschwetus, Helmut: *See—*

Hausler, Dietrich; and Manschwetus, Helmut, 4,830,294, Cl. 241-194.000.

Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., to PPG Industries, Inc. Corrosion inhibiting pigment. 4,837,253, 6-6-89, Cl. 523-443.000.

Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., to PPG Industries, Inc. Article having a corrosion inhibiting coating. 4,849,297, 7-18-89, Cl. 428-457.000.

Mansell, J. Douglas: *See—*

Trager, Fred C.; Mansell, J. Douglas; and Wimer, W. Eugene, 4,818,513, Cl. 423-488.000.

Mansell, William T., to Chadwick Industries Pty. Limited. Membrane roofing system. 4,803,111, 2-7-89, Cl. 428-139.000.

Manser, Josef; Seiler, Werner; and Egger, Friedrich, to Gebruder Buhler AG. Process for manufacturing farinaceous products. 4,830,866, 5-16-89, Cl. 426-451.000.

Manserra, Pasquale M. Straight edge cutter guide. 4,852,259, 8-1-89, Cl. 30-289.000.

Manservigi, Alberto; and Mattei, Riccardo, to G.D Societa Per Azioni. Handling method and device. 4,823,536, 4-25-89, Cl. 53-466.000.

Manservisi, Renato, to SASIB S.p.A. Automatic device for feeding bobbins of a wrapping material web, particularly bobbins of cigarette paper. 4,798,349, 1-17-89, Cl. 242-58.100.

Manservisi, Renato: *See—*

[illegible], Maurizio; and Manservisi, Renato, 4,852,588, Cl. 131-84.100.

Manseth, Karl J. Electrical apparatus for a ski. 4,864,860, 9-12-89, Cl. 73-490.000.

Manseur, Arezki: *See—*

Brandao, Ruy L.; Baran, Henri; Manseur, Arezki; and Sweet, Steven P., 4,809,004, Cl. 342-199.000.

Mansfield, A. R.: *See—*

Dunning, Brian; and Mansfield, A. R., 4,872,084, Cl. 361-232.000.

Mansfield, Gregory A., to Glas-Craft, Inc. External mix spraying system. 4,824,017, 4-25-89, Cl. 239-9.000.

Mansfield, Jill: *See—*

Mansfield, Wilfred P.; Mansfield, Jill; Mansfield, John R.; and Grice, Jeremy H., 4,883,026, Cl. 123-90.160.

Mansfield, John R.: *See—*

Mansfield, Wilfred P.; Mansfield, Jill; Mansfield, John R.; and Grice, Jeremy H., 4,883,026, Cl. 123-90.160.

Mansfield, Lee: *See—*

Webb, Peter D.; Russhard, Peter; and Mansfield, Lee, 4,855,735, Cl. 340-870.140.

Mansfield, Peter; and Coxon, Ronald J., to National Research Development Corporation. Inductive circuit arrangements. 4,820,986, 4-11-89, Cl. 324-322.000.

Mansfield, Peter; and Chapman, Barry L. W., to National Research Development Corporation. Electrical coils. 4,873,503, 10-10-89, Cl. 335-216.000.

Mansfield, Peter W. Drainage system for expressing fibrous materials. 4,848,2[illegible] 7-18-89, Cl. 100-117.000.

Mansfield Plumbing Products, Inc.: *See—*

Nestich, R. F., 4,832,310, Cl. 251-36.000.

Mansfield, Robert J.; McCollum, Bill C.; and Tumminelli, Richard P., to Polaroid Corporation. Method for fabricating optical fibers having cores with high rare earth content. 4,826,288, 5-2-89, Cl. 350-320.000.

Mansfield, Robert J., to Polaroid Corporation. Method of employing plasma for finishing start rods. 4,863,501, 9-5-89, Cl. 65-3.110.

Mansfield, Robert L.; Segre, Marc; Spencer, Alexander K.; and St. Clair, Joe C., to International Business Machines Corporation. Graphics display system with memory array access. 4,808,986, 2-28-89, Cl. 340-747.000.

Mansfield, Robert L.; Spencer, Alexander K.; and St. Clair, Joe C., to International Business Machines Corporation. Graphics display system function circuit. 4,837,563, 6-6-89, Cl. 340-732.000.

Mansfield, Robert L.: *See—*

Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., 4,870,406, Cl. 340-70.000.

Lumelsky, Leon; St. Clair, Joe C.; Mansfield, Robert L.; Segre, Marc; and Spencer, Alexander K., 4,823,286, Cl. 364-521.000.

Mansfield, Ronald N. Extension cord winding and storage apparatus. 4,872,622, 10-10-89, Cl. 242-85.100.

Mansfield Scientific, Inc.: *See—*

Peterson, Carl W., 4,838,864, Cl. 604-100.000.

Pope, J. Lee, Jr.; and Resden, Ronald E., 4,810,455, Cl. 264-273.000.

Mansfield, Wilfred P.; Mansfield, Jill; Mansfield, John R.; and Grice, Jeremy H., to British Internal Combustion Engine Research Institute, Ltd. Means for adjusting the timing of a valve. 4,883,026, 11-28-89, Cl. 123-90.160.

Mansho, Kenji: *See—*

Tanaka, Yukitaka; Nakamura, Minoru; Okada, Johshin; and Mansho, Kenji, 4,837,214, Cl. 514-179.000.

Mansign Engineering Limited: *See—*

Hart, Anthony J., 4,852,342, Cl. 59-78.100.

Mansion Industries, Inc.: *See—*

Glassco, Robert B.; and Noble, Robert L., 4,879,850, Cl. 52-82.000.

Manska, Wayne E.; and Bickelhaupt, Roger G., to Baxter International Inc. Catheter calibration device. 4,823,167, 4-18-89, Cl. 356-243.000.

Manska, Wayne E. Container and method for dispensing semi-solid substances. 4,883,198, 11-28-89, Cl. 222-1.000.

Mansolillo, Robert D.: *See—*

Miller, Charles H.; Mansolillo, Robert D.; Kaminski, Stanley J.; and Mushall, Susan G., 4,844,849, Cl. 264-46.400.

Manson, Donald C., to Prime Computer, Inc. LUT output for graphics display. 4,818,979, 4-4-89, Cl. 340-723.000.

Manson, Hugh. Wire fastening arrangement. 4,829,871, 5-16-89, Cl. 84-297.00S.

Mansot, Jean-Louis: *See—*

Marotel, Yves; Hurier, Francis; Mansot, Jean-Louis; and Martin, Jean-Michel, 4,824,585, Cl. 252-39.000.

Mansour, James D.: *See—*

Haynes, John L.; and Mansour, James D., 4,886,505, Cl. 604-265.000.

Mansour, Tahir M.: *See—*

Dixon, James R.; Gentle, Derek F.; Janotik, Adam M.; Kazyak, Lawrence P.; Mansour, Tahir M.; Papadakis, Emmanuel P.; and Strosberg, Gordon G., 4,868,968, Cl. 29-460.000.

Mansson, Martin; and Torstenfelt, Ragnar, to ABB Stal AB. Power plant for burning a fuel at high pressure and a gas turbine driven by the combustion gases. 4,860,535, 8-29-89, Cl. 60-39.464.

Mansson, Martin: *See—*

Brannstrom, Roine; Lindblad, Evert; Malmkvist, Leopold; Mansson, Martin; and Thoren, Mats, 4,848,276, Cl. 122-4.00D.

Mansukhani, Gul: *See—*

Cherukuri, Subraman R.; and Mansukhani, Gul, 4,816,265, Cl. 426-5.000.

Cherukuri, Subraman R.; Mansukhani, Gul; and Jacob, Kapakkamannil C., 4,839,184, Cl. 426-307.000.

Cherukuri, Subraman R.; and Mansukhani, Gul, 4,872,884, Cl. 426-3.000.

Mansur, Robert P.; and Piracha, Imtiaz I., to Minolta Camera Kabushiki Kaisha. Synchronous clock frequency conversion circuit. 4,845,437, 7-4-89, Cl. 328-15.000.

Mansur, Robert P.: *See—*

Carlson, Vincent; Fenlon, Michael N.; Mansur, Robert P.; and Kadomiya, Ronald H., 4,859,100, Cl. 400-715.000.

Mansuripur, Masud; Ruane, Michael; and Rosenvold, Robert, to Boston University. Apparatus for measuring reflectivity. 4,838,695, 6-13-89, Cl. 356-369.000.

Mansy, Hussein A. E.; and Williams, David R., to Gas Research Institute. Trapped-vortex pair flowmeter. 4,843,889, 7-4-89, Cl. 73-861.190.

Mantec Gesellschaft fur Automatisierungs-und Handhabungssysteme mbH: *See—*

Keppler, Rainer; and Kleemann, Robert, 4,846,015, Cl. 74-665.0GC.

Mantegani, Sergio; Brambilla, Enzo; Temperilli, Aldemio; Ruggieri, Daniela; and Salvati, Patricia, to Farmitalia Carlo Erba S.p.A. N-oxide ergolines as antihypertensive agents. 4,859,678, 8-22-89, Cl. 514-269.000.

Mantegani, Sergio: *See—*

Brambilla, Enzo; Mantegani, Sergio; Pegrassi, Lorenzo; Rossi, Alessandro; and Temperilli, Aldemio, 4,839,363, Cl. 514-288.000.

Buonamici, Metilde; Pegrassi, Lorenzo; Rossi, Alessandro; and Mantegani, Sergio, 4,847,253, Cl. 514-253.000.

Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, 4,882,315, Cl. 514-26.000.

Mantele, John E.: *See—*

de La Chapelle, Michael; Hsu, Hui-Pin; Lewis, Gib F.; and Mantele, John E., 4,832,433, Cl. 350-96.150.

Mantell, Daniel R.: *See—*

Gladfelter, Wayne L.; Mantell, Daniel R.; Evans, John F.; and Schulze, Roland K., 4,832,986, Cl. 427-248.100.

Manterola, Maria De La Paloma M.: *See—*

Sanchez-Robles, Francisco B.; and Manterola, Maria De La Paloma M., 4,874,131, Cl. 239-307.000.

Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., to General Motors Corporation. Automotive, internal reference, solid electrolyte, lean oxygen sensor. 4,810,350, 3-7-89, Cl. 204-412.000.

Mantese, Joseph V.; Micheli, Adolph L.; Bhagat, Jayant K.; and Hicks, David B., to General Motors Corporation. Method of producing a miniature internal reference gas chamber within an automotive, internal reference, solid electrolyte, lean oxygen sensor. 4,810,529, 3-7-89, Cl. 427-123.000.

Mantex Corporation: *See—*

Stephan, Donald C.; Sharp, Timothy M.; Yeomans, Gary A.; Abney, James R.; and Domas, Ben V., 4,867,499, Cl. 296-50.000.

Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, to Siemens Aktiengesellschaft. Contact arrangement of a low-voltage circuit breaker with electro-dynamic breaking. 4,845,459, 7-4-89, Cl. 335-195.000.

Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, to Siemens Aktiengesellschaft. Multipole low-voltage circuit breaker with an insulating material housing and arc-quenching chambers. 4,845,460, 7-4-89, Cl. 335-201.000.

Manthei, Philip J.: *See—*
  Coates, Donald A.; Manthei, Philip J.; and Allen, Max D., 4,798,424, Cl. 312-257.00R.
Manthey, Michael. Reasoning machine. 4,829,450, 5-9-89, Cl. 364-513.000.
Mantoku, Hitoshi: *See—*
  Yagi, Kazuo; and Mantoku, Hitoshi, 4,870,136, Cl. 525-288.000.
Mantovaara, Urpo. V-belt pulley and drive. 4,810,237, 3-7-89, Cl. 474-166.000.
Mantovani, Elis, to Tecnodelta S.A. Process for producing an electric arbor integrated with an induction motor. 4,796,353, 1-10-89, Cl. 29-596.000.
Mantovani, Elis, to Tecnodelta S.A. Process and equipment for making capillary yarn from textile yarns. 4,867,814, 9-19-89, Cl. 156-64.000.
Mantovani, John C., to Conklin Instrument Corporation. Multirate automatic equalizer. 4,839,905, 6-13-89, Cl. 375-12.000.
Mantymaki, Tarmo K., to Outokumpu Oy. Method for utilizing slag from metal production. 4,818,289, 4-4-89, Cl. 106-117.000.
Mantz, Ekkehard: *See—*
  Beitz, Jurgen; Erren, Karl-Heinz; and Mantz, Ekkehard, 4,852,824, Cl. 242-131.100.
Manuel, Donald W.: *See—*
  Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Troisi, Michael R., 4,866,998, Cl. 73-866.500.
Manuel, Mark: *See—*
  Compeau, David E.; Manuel, Mark; and Rogers, Lloyd W., Jr., 4,875,723, Cl. 292-201.000.
  Haag, Ronald H.; Manuel, Mark; and Rogers, Lloyd W., 4,858,971, Cl. 292-201.000.
Manufacture d'Appareillage Electrique de Cahors: *See—*
  Bourrieres, Pierre, 4,878,984, Cl. 156-431.000.
  Feron, Paul; and Tougne, Daniel, 4,888,495, Cl. 307-39.000.
  Rappart, Alain; Loosdregt, Henri; Persohn, Paul; and Persohn, Philippe, 4,819,482, Cl. 73-201.000.
  Therond, Michel, 4,867,399, Cl. 248-65.000.
Manufacture de Bidons et Boites Metalliques M. Kouperman S.A.: *See—*
  Lefrant, Roger O., 4,821,911, Cl. 220-67.000.
Manufacture de Produits Chimiques Protex: *See—*
  Ribba, Alain, 4,800,220, Cl. 526-238.230.
Manufacture des Outils Dumont S.A.: *See—*
  Gabel, Jean P., 4,802,703, Cl. 294-99.200.
Manufacture Francaise de Brosserie Industrielle: *See—*
  Chainard, Armand, 4,826,006, Cl. 206-362.400.
Manufacturers Engineering Equipment Corp.: *See—*
  Zatko, David A.; and Maguire, John F., 4,800,000, Cl. 204-1.00T.
Manufacturers Hanover Trust Company: *See—*
  Lerner, Irwin S.; and Babbitt, Thomas J., 4,838,423, Cl. 206-454.000.
  Reher, James F.; and Farzin-Nia, Farrokh, 4,838,786, Cl. 433-9.000.
  Relyea, Robert G., 4,849,061, Cl. 156-308.400.
Manufacturers Industrial Technology, Inc.: *See—*
  Peninger, Robert H., 4,859,365, Cl. 252-601.000.
Manufacturing Industries Corporation Pty. Ltd: *See—*
  Robertson, Desmond, 4,850,487, Cl. 206-399.000.
Manusch, Christoph; Harp, Hans-Jurgen; and van Swieten, Roy, to Pelikan Aktiengesellschaft. Hand-operated device for transferring a film from a carrier tape. 4,849,064, 7-18-89, Cl. 156-577.000.
Manusch, Christoph; Harp, Hans J.; and van Swieten, Roy, to PELIKAN Aktiengesellschaft. Adhesive film applicator. 4,851,076, 7-25-89, Cl. 156-577.000.
Manusch, Christoph; Harp, Hans-Jurgen; and van Swieten, Roy, to PELIKAN Aktiengesellschaft. Device for transferring a film from a carrier tape. 4,853,074, 8-1-89, Cl. 156-577.000.
Manutec Gesellschaft fur Automatisierungs- und Habungssysteme GmbH: *See—*
  Keppler, Rainer, 4,802,377, Cl. 74-422.000.
Manville Corporation: *See—*
  Allwein, Robert J., 4,805,383, Cl. 53-528.000.
  Allwein, Robert J., 4,848,539, Cl. 198-804.000.
  Arena, John P., 4,887,414, Cl. 53-543.000.
  Bainbridge, David W.; and Tocci, Mario P., 4,826,724, Cl. 428-288.000.
  Bainbridge, David W., 4,886,696, Cl. 428-184.000.
  Bratton, Charles W.; McPherson, James D.; and Williams, Delbert D., Jr., 4,816,014, Cl. 493-88.000.
  Cooper, Leonard M., 4,844,328, Cl. 229-40.000.
  Cooper, Leonard M., 4,852,731, Cl. 206-167.000.
  Cooper, Leonard M., 4,860,943, Cl. 229-40.000.
  Craighead, Jimmy R., 4,875,323, Cl. 53-48.000.
  Daniels, Donald L., Jr.; and Garcia, Ruben G., 4,847,310, Cl. 524-35.000.
  Dave, Shashi B.; and Cain, Clifford W., Jr., 4,855,509, Cl. 518-621.000.
  Fouke, Herbert A.; and Brass, John R., 4,816,976, Cl. 362-309.000.
  Fouke, Herbert A., 4,858,091, Cl. 362-332.000.
  Hernandez, Kenneth J., 4,798,285, Cl. 206-180.000.
  Kiedaisch, Randall A., 4,815,609, Cl. 206-606.000.
  Kielmeyer, William H.; Rohweder, Theodore R.; and Ray, Richard J., Jr., 4,835,045, Cl. 428-284.000.
  LaRoche, Allan R.; Butcher, Robert A.; Dubuc, Jean A.; and Pearmain, Douglas S., 4,848,044, Cl. 52-58.000.
  LaRoche, Allan R.; and Pearmain, Douglas S., 4,866,898, Cl. 52-396.000.
  Martin, Phillip C.; and Linden, Carl R. V., 4,823,845, Cl. 138-149.000.
  Olds, Leonard E.; Peterson, Michael D.; and Martin, Jean P., 4,862,477, Cl. 373-85.000.
  Rohweder, Theodore R.; and Ray, Richard J., Jr., 4,886,561, Cl. 156-102.000.
  Rossi, Nicholas J., 4,833,025, Cl. 428-357.000.
  Schlachter, Fredo, 4,863,502, Cl. 65-4.300.
  Schuster, Richard L., 4,811,894, Cl. 229-52.00B.
  Schuster, Richard L., 4,815,599, Cl. 206-427.000.
  Schuster, Richard L., 4,836,375, Cl. 206-427.000.
  Schuster, Richard L., 4.878,612, Cl. 229-40.000.
  Shisler, Donald E.; Smalley, Rodney R.; and Rubright, Kent A., 4,832,723, Cl. 65-14.000.
  Tharp, Terry M.; Roberts, David W.; McCartney, John C.; and Harvey, John W., 4,837,669, Cl. 362-418.000.
  Wilson, Jerry F., 4,804,089, Cl. 206-435.000.
  Wilson, Jerry F., 4,830,267, Cl. 229-52.0BC.
Manville Sales Corporation: *See—*
  Meckler, Gershon, 4,819,444, Cl. 62-238.600.
Manyak, Michael J.: *See—*
  Harrington, Frank S.; and Manyak, Michael J., 4,867,404, Cl. 248-231.400.
Manyk, Edward. Stowable exercising apparatus. 4,798,380, 1-17-89, Cl. 272-93.000.
Manz, Albrecht: *See—*
  Schlipf, Michael; Manz, Albrecht; and Lohr, Gernot, 4,859,755, Cl. 526-255.000.
Manz, Kenneth W.; Shirley, Roger D.; Parks, Richard D.; and Hickman, Dennis W., to Kent-Moore Corporation. Refrigerant recovery, purification and recharging system. 4,805,416, 2-21-89, Cl. 62-292.000.
Manz, Kenneth W.; and Shirley, Roger D., to Kent-Moore Corporation. Refrigerant recovery and purification system. 4,809,520, 3-7-89, Cl. 62-292.000.
Manzawa, Katsuyuki: *See—*
  Miyake, Yasuhiko; and Manzawa, Katsuyuki, 4,836,220, Cl. 460-130.000.
Manzer, Leo E.: *See—*
  Gumprecht, William H.; Manzer, Leo E.; and Rao, V. N. Mallikarjuna, 4,843,181, Cl. 570-169.000.
Manzhalei, Viktor I.: *See—*
  Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.
Manzi, Brian P.: *See—*
  Proctor, Lewis D.; Ross, Colby M.; Manzi, Brian P.; and Giust Frank, Jr., 4,840,229, Cl. 166-381.000.
Manzik, Stephen J.: *See—*
  Hallock, Robert B.; Manzik, Stephen J.; Mitchell, Thomas; and Hui, Benjamin C., 4,847,399, Cl. 556-1.000.
Manzione, Louis T.: *See—*
  Frisch, David C.; Manzione, Louis T.; Poelzing, Gerhard W.; and Weber, Wilhelm, 4,837,129, Cl. 430-319.000.
Manzione, Peter. Perfect putting surfaces. 4,850,594, 7-25-89, Cl. 273-176.00R.
Manzo, Louis. Interlocking pivot device for adjustable ballusters. 4,886,245, 12-12-89, Cl. 256-67.000.
Manzo, Michael P.: *See—*
  Sacks, Barry A.; Gould, Arnold S.; Manzo, Michael P.; and Ciannella, Michael A., 4,826,481, Cl. 604-54.000.
Manzolini, David B. Dynamometer engine performance analyzer system. 4,870,585, 9-26-89, Cl. 364-431.030.
Manzone, Jean M.: *See—*
  Bouchet, Rene; and Manzone, Jean M., 4,850,742, Cl. 405-26.000.
Manzoni, Angelo: *See—*
  Musacchio, John; Bergkuist, Carolyn; Manzoni, Angelo; and Premoli, Pietro, 4,870,024, Cl. 436-74.000.
Manzoni, Bernard, to Societe Anonyme: Manzoni-Bouchot. Electric heating arrangement for a hygrometric sensor of an automatically controlled circuit. 4,812,615, 3-14-89, Cl. 219-209.000.
Manzoni, Bernard, to Societe Manzoni Bouchot. Alarm, security, and protection system for a motor vehicle. 4,819,050, 4-4-89, Cl. 340-425.500.
Manzoni, Bernard, to Societe Manzoni Bouchot. Device for transmitting, without vibrations, movements from an electric control to a mirror-holder plate of a rearview mirror. 4,871,246, 10-3-89, Cl. 350-633.000.
Manzoni, Stephane, to Societe Manzoni Bouchot. Rearview mirror for various vehicles utilizing friction bearing surfaces. 4,824,065, 4-25-89, Cl. 248-483.000.
Manzotti, Ermanno J. Process and apparatus for making clear ice cubes. 4,852,359, 8-1-89, Cl. 62-68.000.
Manzur, Akkas: *See—*
  Alam, M. Aftab; and Manzur, Akkas, 4,847,813, Cl. 367-57.000.
Mao, Bingquan; Yang, Aichun; Zheng, Ying; Yang, Juxiou; and Li Zhulan, to Beijing Research Institute of Chemical Industry; and China Petrochemical Corp. Catalyst system for use in olefinic polymerization. 4,861,847, 8-29-89, Cl. 526-125.000.
Mao, Bor-Yen: *See—*
  Teng, Clarence W.; Chen, Cheng-Eng D.; and Mao, Bor-Yen, 4,864,375, Cl. 357-23.600.
Mao, Cheng-How; and Schreiner, Max, Jr., to Mobil Oil Corporation. Apparatus for feeding an MTG conversion reactor. 4,826,662, 5-2-89, Cl. 422-190.000.

Mao, Shand-Ling: *See—*
  Liu, Jeffrey; Sun, Kai C. K.; and Mao, Shand-Ling, 4,864,444, Cl. 360-105.000.
Maoz, Barak, to Grumman Aerospace Corporation. Voltage variable FET resistor with chosen resistance-voltage relationship. 4,864,162, 9-5-89, Cl. 307-296.100.
Maoz, Barak, to Grumman Aerospace Corporation. Variable attenuator having voltage variable FET resistor with chosen resistance-voltage relationship. 4,875,023, 10-17-89, Cl. 333-81.00R.
MAP Mikrofilm Apparatebau, Dr. Poehler GmbH & Co. KG: *See—*
  Dziemba, Peter, 4,886,329, Cl. 350-6.500.
Mapelli, Connie M.: *See—*
  Mapelli, Rudy; Eisenberg, Donald S.; Moss, Geoffrey S.; Hendrickson, David K.; and Mapelli, Connie M., 4,810,081, Cl. 351-57.000.
Mapelli, Rudy; Eisenberg, Donald S.; Moss, Geoffrey S.; Hendrickson, David K.; and Mapelli, Connie M., to C-Clear, Ltd. Binocular spectacles. 4,810,081, 3-7-89, Cl. 351-57.000.
Mapes, William H.: *See—*
  Bakanowski, Stephen M.; and Mapes, William H., 4,811,567, Cl. 62-129.000.
Mapili, Sequndo R., Jr.: *See—*
  Carvalho, Joseph J.; and Mapili, Sequndo R., Jr., 4,808,862, Cl. 310-50.000.
Maples, David T., to Lectron Products, Inc. Motion detector. 4,833,281, 5-23-89, Cl. 200-61.45R.
Mapleston, David B., to Plessey Overseas Limited. Analogue to digital converters. 4,870,416, 9-26-89, Cl. 341-110.000.
Mapletoft, Reuben J.: *See—*
  Silversides, David W.; Mapletoft, Reuben J.; Murphy, Bruce D.; and Misra, Virkam, 4,879,112, Cl. 424-85.900.
Mappin, Carlton D.; and Gillich, Thomas N., to Hoechst Celanese Corp. Printing plate processor having recirculating water wash reclamation. 4,796,042, 1-3-89, Cl. 354-324.000.
Maqueo-Cario, Agustin. Structural module for construction of roofs. 4,805,369, 2-21-89, Cl. 52-600.000.
Maquinas de Coser Alfa, S.A.: *See—*
  Echeverria, Fernando C., 4,858,548, Cl. 112-443.000.
Mar, Alan: *See—*
  Beni, Gerardo; Mar, Alan; and Landry, C. John, 4,871,252, Cl. 356-347.000.
Mar, Craig E.: *See—*
  Taylor, Charles S.; Abrams, Robert M.; Messner, Kirsten L.; Huss, Beverly; Mar, Craig E.; Kraus, Jeffrey L.; and Guthrie, Linda T., 4,827,941, Cl. 128-657.000.
MAR Engineering, Inc.: *See—*
  Dashevsky, Leon G., 4,845,899, Cl. 51-217.00R.
Mar, Gregg. Animal tree. 4,819,817, 4-11-89, Cl. 211-205.000.
Mar-Research Gesellschaft fuer Forschung und Entwicklung mbH: *See—*
  Sibbertsen, Walter, 4,867,380, Cl. 239-405.000.
Mar, Shih L., to Chen, Wen Lin; and Mar, Shih Lin. Spring-loaded seat assembly. 4,830,345, 5-16-89, Cl. 267-133.000.
Mar, Shih Lin: *See—*
  Mar, Shih L., 4,830,345, Cl. 267-133.000.
Mara, Patrick: *See—*
  Colin, Gerard R.; Klein, Andre; Leclercq, Alain; and Mara, Patrick, 4,806,222, Cl. 204-206.000.
Marabella, Charles P., to Minnesota Mining and Manufacturing Company. Device for exposing colorant to be transferred. 4,879,174, 11-7-89, Cl. 428-321.500.
Marabini, Anna: *See—*
  Bornengo, Giorgio; Carlini, Filippo M.; Marabini, Anna; and Alesse, Vittorio, 4,851,037, Cl. 75-2.000.
Marable, Emmitte F. Apparatus for dielectric testing of gloves. 4,810,971, 3-7-89, Cl. 324-557.000.
Marach, David R., to Cooper Industries, Inc. Holder for a blade-type circuit element. 4,872,262, 10-10-89, Cl. 29-884.000.
Maraghe, Alex; and Puncoch, Miloslav, to Boeing Company, The. Hinge mehanism for aircraft door. 4,854,010, 8-8-89, Cl. 16-360.000.
Maraho Co., Ltd.: *See—*
  Ogiso, Taro, 4,873,081, Cl. 424-81.000.
Maraia, Charles. Protective body bumper strip for a motor vehicle. 4,796,935, 1-10-89, Cl. 293-128.000.
Maraman, Ned D., to Patents Unlimited, Inc. Hold and unwind reel for coiled material. 4,856,729, 8-15-89, Cl. 242-129.000.
Maraman, Ned D., Sr., to Patents Unlimited, Inc. Reel dispenser for cable or wire. 4,844,376, 7-4-89, Cl. 242-129.000.
Maramatsu, Michiyasu, to Fuji Tekko Co., Ltd. Apparatus for controlling the shift between two and four-wheel drivings. 4,828,070, 5-9-89, Cl. 180-247.000.
Maramed Precision Corporation: *See—*
  Finnieston, Alan; Burkhalter, William E.; Reyes, Franklin; and Latta, Loren L., 4,873,968, Cl. 128-87.00R.
Marancik, William G.; Hong, Seungok; and Grabinsky, Glenn W., to Oxford Superconducting Technology. Forced flow superconducting cable and method of manufacture. 4,857,675, 8-15-89, Cl. 174-15.400.
Marancik, William G.; and Hong, Seungok, to Oxford Superconducting Technology. Fabrication of multifilament intermetallic superconductor using strengthened tin. 4,860,431, 8-29-89, Cl. 29-599.000.
Marangoni, Carlo. Tire carcass pyrolysis system. 4,846,082, 7-11-89, Cl. 110-234.000.
Marano, Gary L., to Jet-Flow Filtration Co. Air filtration device. 4,818,259, 4-4-89, Cl. 55-227.000.
Marano, Gerald A.: *See—*
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,859,513, Cl. 428-34.200.
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,880,701, Cl. 428-34.200.
  Gibbons, Charles E.; Marano, Gerald A.; Kittrell, James M.; Whillock, Allan A.; Lanham, Robert L.; and Evans, Donald, 4,888,222, Cl. 428-34.200.
Maranto, Jack J.; and Noll, Gregory B., to Hughes Aircraft Company. Fiber optic hermetic feedthrough. 4,822,130, 4-18-89, Cl. 350-96.200.
Marantz Company: *See—*
  Mirahem, William C., 4,805,328, Cl. 40-457.000.
Maranzano, Miguel F. Vehicular traffic electronic game. 4,863,165, 9-5-89, Cl. 273-1.00E.
Maras, Siegfried: *See—*
  Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, 4,886,627, Cl. 252-513.000.
Marasigan, Eliodoro M., Jr. Car door dent protector. 4,828,302, 5-9-89, Cl. 293-128.000.
Marathe, Suresh A.: *See—*
  Tramposch, Kenneth M.; Zusi, Fred C.; and Marathe, Suresh A., 4,861,798, Cl. 514-575.000.
Marathon Corporation: *See—*
  Brown, Ronald L.; Robbins, James K.; and Spiers, Kent, 4,817,520, Cl. 100-41.000.
  Robbins, James K., 4,811,660, Cl. 100-229.00A.
  Spiers, Kent, 4,860,646, Cl. 100-48.000.
Marathon Electric Manufacturing Corporation: *See—*
  MacFarlane, Alistair A., 4,839,575, Cl. 322-25.000.
  Parshall, Millis V., 4,812,695, Cl. 310-258.000.
Marathon Oil Company: *See—*
  Barree, Robert D., 4,846,215, Cl. 137-510.000.
  Bruce, Charles R., 4,846,279, Cl. 166-310.000.
  Christiansen, Richard L., 4,817,423, Cl. 73-153.000.
  Conway, David D., 4,853,088, Cl. 203-10.000.
  Frank, Jeffrey E., 4,798,245, Cl. 166-281.000.
  Haines, Hiemi K., 4,846,276, Cl. 166-273.000.
  Johnson, Irvin D., 4,809,778, Cl. 166-310.000.
  Knight, Robert C.; and Haws, Gerald W., 4,804,042, Cl. 166-184.000.
  Langshaw, Bernard, 4,830,347, Cl. 267-141.000.
  Luetzelschwab, Wayne E., 4,849,182, Cl. 422-134.000.
  Luetzelschwab, Wayne E., 4,867,239, Cl. 166-273.000.
  Luetzelschwab, Wayne E., 4,874,248, Cl. 366-307.000.
  McClure, D. Craig, 4,842,065, Cl. 166-252.000.
  Sloat, Benjamin F., 4,844,169, Cl. 166-292.000.
  Snider, Philip M., 4,846,280, Cl. 166-372.000.
  Sydansk, Robert D., 4,844,168, Cl. 166-270.000.
  Tackett, James E., 4,795,784, Cl. 525-244.000.
Maraven, S.A.: *See—*
  Wright, Terence, 4,837,708, Cl. 364-509.000.
Maravetz, Lester L., to FMC Corporation. Herbicidal aryl triazolinones. 4,806,145, 2-21-89, Cl. 71-92.000.
Maravetz, Lester L.; and Theodoridis, George, to FMC Corporation. Herbicidal 1-aryl-Δ^2-1,2,4-triazolin-5-ones. 4,818,276, 4-4-89, Cl. 71-92.000.
Marazza, Renzo: *See—*
  Agostoni, Alberto; D'Agostino, Alfredo; Craighero, Enrico; and Marazza, Renzo, 4,881,620, Cl. 182-179.000.
Marazzi, Filippo, to Ceramica Filippo Marazzi S.p.A. Apparatus for applying glaze as granules to tiles maintained at a high temperature. 4,798,164, 1-17-89, Cl. 118-308.000.
Marazzi, Filippo, to Ceramica Filippo Marazzi S.p.A. Process and apparatus for producing glazed ceramic tiles, and tiles so obtained. 4,805,551, 2-21-89, Cl. 118-64.000.
Marazzi, Giancarlo; and Saez, Pierre, to Printing and Graphics Enhancement, Inc. Composing system including a foil printing unit. 4,866,539, 9-12-89, Cl. 358-303.000.
Marazzi, Riccardo: *See—*
  Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,872,007, Cl. 340-870.010.
  Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,881,071, Cl. 340-870.130.
Marbach, Kevin D.: *See—*
  Bickes, Robert W., Jr.; Marbach, Kevin D.; and Wilcox, Paul D., 4,843,964, Cl. 102-202.500.
Marbach, Philip J., to Personal Products Company. Method for heat sealing a facing sheet onto a plastic foam shell. 4,798,638, 1-17-89, Cl. 156-69.000.
Marble, Allan E.: *See—*
  Landymore, Roderick W.; and Marble, Allan E., 4,836,204, Cl. 128-334.00R.
Marblehead Lime Company: *See—*
  Henery, Maurice D., 4,794,872, Cl. 110-346.000.
Marbley, Lonnie R.: *See—*
  Gilbert, Michael D.; Worthington, Dennis V.; and Marbley, Lonnie R., 4,868,991, Cl. 33-430.000.
Marbrow, Richard A., to Imperial Chemical Industries PLC. Receiver sheet. 4,839,338, 6-13-89, Cl. 503-227.000.
Marburg, Stephen; Tolman, Richard L.; and Jorn, Deborah A., to Merck & Co Inc. Covalently-modified neutral bacterial polysaccharides, stable covalent conjugates of such polysaccharides and immu-

nogenic proteins and methods of preparing such polysaccharides and conjugates. 4,830,852, 5-16-89, Cl. 424-85.800.

Marburg, Stephen; Kniskern, Peter J.; and Tolman, Richard L., to Merck & Co., Inc. Covalently-modified bacterial polysaccharides, stable covalent conjugates of such polysaccharides and immunogenic proteins with bigeneric spacers and methods of preparing such polysaccharides and conjugataes and of confirming covalency. 4,882,317, 11-21-89, Cl. 514-54.000.

Marburger, Heinz: *See*—
  Birkert, Karl; and Marburger, Heinz, 4,878,423, Cl. 99-332.000.

Marc, Gazalet: *See*—
  Edouard, Bridoux; Lievin, Camus; Christian, Bruneel; Marc, Gazalet; and Torguet, Roger, 4,799,777, Cl. 350-358.000.

Marc, Michel, to Clint, Inc. Molding process and apparatus. 4,851,167, 7-25-89, Cl. 264-26.000.

Marcade, Roque Denis; and Query, Daniel S., to Whirlpool Corporation. Dispenser control for dishwashers. 4,820,934, 4-11-89, Cl. 307-41.000.

Marcam Corporation: *See*—
  Ebling, Thomas D.; Connor, Susan J.; Howd, Thomas C.; and Thompson, Olin W., Jr., 4,864,507, Cl. 364-468.000.

Marcangelo, Steven: *See*—
  Babson, Edward; Brophy, Thomas G.; and Marcangelo, Steven, 4,825,787, Cl. 112-262.300.

Marcano, Niomar: *See*—
  Polanco, Domingo R.; Perez, Jose S.; Grazzina, Euler J.; and Marcano, Niomar, 4,824,439, Cl. 44-51.000.

Marceau, Richard J.; and Jeanson, Guy, to Hydro-Quebec. Fluid heating device incorporating transformer secondary winding having a single electrical turn and cooling means optimized for heat transfer. 4,855,552, 8-8-89, Cl. 219-10.510.

Marcel, Antoine-Adel. Building system. 4,794,749, 1-3-89, Cl. 52-611.000.

Marcel, Francois, to Alcatel Cit. Emergency D.C. power supply with the emergency state being indicated by polarity reversal. 4,825,349, 4-25-89, Cl. 363-50.000.

Marcel, Leonard J.: *See*—
  Davis, Bradley D.; Groshong, Judson C.; and Marcel, Leonard J., 4,849,948, Cl. 368-10.000.

Marcelin, George: *See*—
  Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,801,573, Cl. 502-302.000.
  Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,880,763, Cl. 502-302.000.

Marcellin, Michel, to Framatome. Apparatus for control of the heat transfer produced in a fluidized bed. 4,823,739, 4-25-89, Cl. 122-4.00D.

Marcellis, Daniel H.: *See*—
  Donahue, Raymond J.; Cleary, Terrance M.; Hauenstein, Frederick M.; and Marcellis, Daniel H., 4,875,517, Cl. 164-34.000.

Marcello, Favareto: *See*—
  Limongelli, Felice; and Marcello, Favareto, 4,800,645, Cl. 29-568.000.

March, Carl J.: *See*—
  Urdal, David L.; March, Carl J.; and Dower, Steven K., 4,845,198, Cl. 530-387.000.

March, Craig J. Home fitness gym. 4,830,365, 5-16-89, Cl. 272-136.000.

March-Force, Gary: *See*—
  Elbert, Hubert F.; and March-Force, Gary, 4,871,965, Cl. 324-158.00F.

March, Kenneth L., to Ettco Tool & Machine Co., Inc. Method for achieving interchangeability of tool inserts. 4,795,291, 1-3-89, Cl. 409-131.000.

March, Marilou. Riding pants. 4,843,654, 7-4-89, Cl. 2-227.000.

Marchadour, Jean-Charles. Cylindrical seal system. 4,844,481, 7-4-89, Cl. 277-73.000.

Marchaj, Tadeusz J.: *See*—
  Bush, Bill R.; Tripp, Andrew, Jr.; and Marchaj, Tadeusz J., 4,801,103, Cl. 242-7.210.

Marchal, Claude: *See*—
  Grauz, Daniel; and Marchal, Claude, 4,862,151, Cl. 340-706.000.

Marchal, Daniel, to Eurofloor S.A. Process for the manufacturing of synthetic coverings having improved resistance to soiling, and synthetic covering obtained thereby. 4,886,708, 12-12-89, Cl. 428-447.000.

Marchal, Jean, to Exxon Chemical Patents Inc. Bitumen emulsions. 4,832,747, 5-23-89, Cl. 106-277.000.

Marchand, Gary R.: *See*—
  Fuentes, Ricardo, Jr.; Meiske, Larry A.; and Marchand, Gary R., 4,873,300, Cl. 526-142.000.

Marchand, Jean-Claude: *See*—
  Le Dall, Jean-Claude; and Marchand, Jean-Claude, 4,874,328, Cl. 439-278.000.

Marchand, Pierre: *See*—
  Born, Maurice; Lallement, Jacques; Marchand, Pierre; Parc, Guy; and Thevenin, Nicole, 4,882,446, Cl. 556-25.000.

Marchand, Sam R.: *See*—
  Bays, F. Barry; and Marchand, Sam R., 4,871,364, Cl. 623-10.000.
  Bays, F. Barry; Trott, Arthur F.; and Marchand, Sam R., 4,884,572, Cl. 128-334.00R.
  Trott, Arthur F.; and Marchand, Sam R., 4,796,624, Cl. 128-316.000.

Marchant, Ian M., to GH International Ltd. Rail clip assembly having a pivoted wedge member. 4,802,624, 2-7-89, Cl. 238-317.000.

Marchant, Ian M., to GH International Ltd. Rail clip assembly. 4,889,282, 12-26-89, Cl. 238-347.000.

Marchant, Joanne: *See*—
  Leslie, Stewart T.; Malkowska, Sandra T. A.; Marchant, Joanne; and Neale, Philip J., 4,844,910, Cl. 424-494.000.

Marchbanks, Robert J. Method and apparatus for measuring intracranial fluid pressure. 4,841,986, 6-27-89, Cl. 128-746.000.

Marche, Pierre, to U.S. Philips Corp. Arrangement for filtering a multiplexed video signal. 4,829,464, 5-9-89, Cl. 364-724.070.

Marchegiano, Joseph E.: *See*—
  Booth, Bruce L.; and Marchegiano, Joseph E., 4,883,743, Cl. 430-321.000.

Marchello, Giovanni: *See*—
  Petrillo, Vincenzo; Crotti, Gianpiero; and Marchello, Giovanni, 4,861,824, Cl. 524-745.000.

Marchello, John L., to Danmar Products, Inc. Athletic ear guard assembly. 4,821,345, 4-18-89, Cl. 2-425.000.

Marchesano, Carlo; Buriano, Franco; and Furlanetto, Enrico, to Minnesota Mining and Manufacturing Company. Developer compositions for silver halide photographic materials comprising cyclic amino methane diphosphonic acid compounds. 4,873,180, 10-10-89, Cl. 430-491.000.

Marchese, James J.: *See*—
  Slavitter, Frederick; and Marchese, James J., 4,855,769, Cl. 354-21.000.

Marchese, Michael A.: *See*—
  Acharya, Arun; Marchese, Michael A.; and Nowobilski, Jeffert J., 4,856,285, Cl. 62-63.000.

Marchesi, Franco: *See*—
  Fietta, Emilio; Maggi, Ezio; and Marchesi, Franco, 4,867,083, Cl. 112-168.000.

Marchesi Gastaldi, Liliana: *See*—
  Sorbi, Robert T.; Caretta, Antonio; Cavaggioni, Andrea; and Marchesi Gastaldi, Liliana, 4,797,480, Cl. 536-27.000.

Marchesini, Maurizio, to Procter & Gamble Company, The. Liquid cleaner with organic solvent and ternary builder mixture. 4,810,421, 3-7-89, Cl. 252-546.000.

Marchetaux, Jean-Claude: *See*—
  Boudou, Alain; Doyle, Brian; and Marchetaux, Jean-Claude, 4,851,359, Cl. 437-24.000.

Marchetti, Augusto. Adhesive tape cutting device for taping unit. 4,853,073, 8-1-89, Cl. 156-510.000.

Marchetti, Augusto. Tapping unit for a sealing machine for cardboard boxes, equipped with a control system for signalling the absence of tape supplied to the boxes to be sealed. 4,855,006, 8-8-89, Cl. 156-378.000.

Marchetti, Augusto. Adhesive tape feeder, particularly for a cardboard box sealing machine taping unit. 4,883,232, 11-28-89, Cl. 242-55.200.

Marchetti, Jay D., to Eastman Kodak Company. Track-finding servo mechanism utilizing the sampled output of an envelope comparison. 4,843,496, 6-27-89, Cl. 360-77.060.

Marchetti, Steve. Fishtape feeding tool. 4,796,865, 1-10-89, Cl. 254-134.3FT.

Marchewka, Stanley: *See*—
  Weber, David; and Marchewka, Stanley, 4,820,235, Cl. 411-188.000.

Marchi, Egidio: *See*—
  Rotini, Leone G.; and Marchi, Egidio, 4,888,178, Cl. 424-468.000.

Marchigiano, Giorgio, to Marelmo S.n.c. Rear derailleur for bicycle gears. 4,842,568, 6-27-89, Cl. 474-80.000.

Marchildon, Louis: *See*—
  Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.

Marchio, Fabio: *See*—
  Murari, Bruno; Menniti, Pietro; and Marchio, Fabio, 4,803,472, Cl. 340-658.000.

Marchionni, Giuseppe; De Patto, Ugo; Strepparola, Ezio; and Viola, Gian T., to Ausimont S.p.A. Perfluoropolyethers free from peroxide oxygen and containing perfluoroepoxy groups positioned along the perfluoropolyether chain, and their derivatives. 4,853,097, 8-1-89, Cl. 204-157.600.

Marchionni, Guiseppe: *See*—
  Caporiccio, Gerardo; Viola, Gian T.; and Marchionni, Guiseppe, 4,814,372, Cl. 528-485.000.

Marchiori, Mirko; Lancerotto, Fabio; and Gerin, Umberto, to Cerit SpA. Spinning system having a rotary balloon checking device. 4,862,687, 9-5-89, Cl. 57-354.000.

Marchiori, Mirko; Lant, Danny; Lancerotto, Fabio; and Gerin, Umberto, to Cerit SpA. Method to wind down a yarn package and device to perform the method. 4,870,815, 10-3-89, Cl. 57-299.000.

Marchus, L. Mark: *See*—
  Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 4,886,23 Cl. 248-170.000.

Marciniak, George Z.; and Selkirk, William M., to General Motors Corporation. Operating crank for vehicles. 4,821,597, 4-18-89, Cl. 74-545.000.

Marciniak, Robert D.; and Poole, Lynn A., to Applied Acoustic Research, Inc. System for monitoring fluent material within a container. 4,811,595, 3-14-89, Cl. 73-149.000.

Marcinkewicz, Robert J.: *See*—
  West, Eugene L.; and Marcinkewicz, Robert J., 4,808,356, Cl. 264-46.500.

Marcinko, Richard M.: *See*—
  Woo, James T. K.; Reising, John C.; Marcinko, Richard M.; and Miles, David E., 4,879,344, Cl. 525-100.000.
  Woo, James T. K.; and Marcinko, Richard M., 4,882,372, Cl. 523-411.000.

Marcinkowsky, Arthur E.: *See*—
  Kao, Sun-Chueh; Cann, Kevin J.; Karol, Frederick J.; Marcinkowsky, Arthur E.; Goode, Mark G.; and Theobald, Eugene H., 4,845,067, Cl. 502-119.000.

Marcker, Kjeld A.; and Jensen, Erik O., to A/S De Danske Sukkerfabrikker. Post-transcriptional heme regulated heterologous gene expression in yeast using the leg hemoglobin leader sequence. 4,849,348, 7-18-89, Cl. 435-68.000.

Marcker, Kjeld A.; and Jensen, Jens S., to A/S De Danske Sukkerfabrikker. Method for the expression of genes in plants, parts of plants, and plant cell cultures, and DNA fragments, plasmids, and transformed microorganisms to be used when carrying out the method, as well as the use thereof for the expression of genes in plants. 4,886,753, 12-12-89, Cl. 435-172.300.

Marco Scientific: *See*—
  Pfanhouser, Wilhelm; and Owren, Joseph H., 4,851,914, Cl. 358-213.190.

Marco Seattle, Inc.: *See*—
  Cook, Harold T., Jr., 4,858,362, Cl. 43-4.000.

Marcon, Charles; and Poullain, Jean, to Escofier Technologie SA. Process for forming helical screw threads having a flank with zero or negative inclination. 4,799,372, 1-24-89, Cl. 72-102.000.

Marcon, Charles; and Poullain, Jean, to Escofier Technologie, S.A. Process and a device for the production of grooves on a wall of revolution. 4,838,066, 6-13-89, Cl. 72-95.000.

Marcon, Jean-Pierre, to Novatome. Process for the recycling of nuclear fuel pellets previously irradiated in a fast neutron nuclear reactor. 4,803,041, 2-7-89, Cl. 376-261.000.

Marcon, Louis: *See*—
  Tardy, Maurice; and Marcon, Louis, 4,879,944, Cl. 91-516.000.

Marcon, Robert V. Projectile. 4,805,535, 2-21-89, Cl. 102-503.000.

Marcone, Louis J. Dog-tracking scent dispensing system for apprehending burglars and the like. 4,867,076, 9-19-89, Cl. 109-20.000.

Marconi Company Limited, The: *See*—
  Bramley, David F., 4,878,752, Cl. 356-152.000.
  Deacon, Malcolm J., 4,799,066, Cl. 343-861.000.
  Fenton, Roger W., 4,807,039, Cl. 358-214.000.
  Guy, Ronald F. E., 4,823,144, Cl. 343-853.000.
  Houston, William, 4,843,398, Cl. 347-74.000.
  Jones, Michael A.; and Joynson, David W., 4,827,263, Cl. 342-59.000.
  Morgan, Thomas E., 4,833,485, Cl. 343-895.000.
  Morgan, Thomas E., 4,862,189, Cl. 343-859.000.
  Pike, Tudor D., 4,843,634, Cl. 455-121.000.
  Richardson, Robert, 4,803,378, Cl. 307-108.000.
  Smith, Peter, 4,802,333, Cl. 60-260.000.
  Thornley, David J.; Smith, Moira A.; Dale, Philip; Leask, Samuel H.; and Coutts, Ian M., 4,884,368, Cl. 49-276.000.
  West, Barry G.; Sosin, Boleslaw M.; and Tolfree, Roger K., 4,862,453, Cl. 370-82.000.
  West, Barry G.; Sosin, Boleslaw M.; and Tolfree, Roger K., 4,866,709, Cl. 370-82.000.

Marconi Electronic Devices Limited: *See*—
  Lewis, Colin B.; and Spindley, Harold L., 4,825,340, Cl. 361-397.000.
  McCaughan, Daniel V., 4,803,178, Cl. 437-51.000.
  Ondria, John, 4,890,074, Cl. 331-107.0SL.

Marconi Instruments Limited: *See*—
  Bradley, Liam P., 4,838,070, Cl. 73-1.0DV.
  Bridgman, Roger F., 4,868,512, Cl. 328-133.000.
  Owen, David P., 4,795,970, Cl. 324-77.00R.
  Owen, David P.; and Pearce, Donald, 4,810,960, Cl. 324-79.00R.
  Potter, Christopher M.; and Hjipieris, George, 4,808,912, Cl. 324-58.00B.
  Sayliss, Leigh S., 4,807,035, Cl. 358-174.000.
  Thomas, Neil E., 4,870,384, Cl. 332-123.000.
  Wells, John N.; and Thomas, Neil E., 4,851,784, Cl. 328-133.000.

Marcotte, Rosaire: *See*—
  Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L.; and Marcotte, Rosaire, 4,810,308, Cl. 148-158.000.
  Eagar, Thomas W.; Agarwal, Dwarika P.; Bourguignon, Laura L.; and Marcotte, Rosaire, 4,869,757, Cl. 148-158.000.

Marcotte, Stephen F., Jr.: *See*—
  West, Richard J.; Marcotte, Stephen F., Jr.; and Modawar, Faris A., 4,828,965, Cl. 430-309.000.

Marcotullio, Armando: *See*—
  Faggian, Lucio; Marcotullio, Armando; Platone, Edoardo; and Picchi, Emilio, 4,798,915, Cl. 585-833.000.
  Vettor, Antonio; Passarini, Nello; and Marcotullio, Armando, 4,881,946, Cl. 44-627.000.

Marcoux, Paul J.: *See*—
  Kamins, Theodore I.; Colinge, Jean-Pierre; Marcoux, Paul J.; Roylance, Lynn M.; and Moll, John L., 4,810,664, Cl. 437-26.000.

Marcucci, Lambert J.: *See*—
  Haag, Robert A.; Ney, Leonard L., Jr.; and Marcucci, Lambert J., 4,850,525, Cl. 229-73.000.

Marcum, Bruce; and Reynolds, Robert C., to Pacific Clam Pty. Ltd. Method of and apparatus for breeding and/or raising shell fish such as giant clams. 4,876,985, 10-31-89, Cl. 119-4.000.

Marcum, Charles L. Dampening unit for printing press. 4,841,855, 6-27-89, Cl. 101-148.000.

Marcus, Bonita K.; and Gioffre, Anthony J., to UOP. Fibrous absorbent articles having enhanced deodorizing properties. 4,826,497, 5-2-89, Cl. 604-359.000.

Marcus, Bonita K.; and Lok, Brent M., to UOP. Zeolite LZ-135 and process for preparing same. 4,857,288, 8-15-89, Cl. 423-328.000.

Marcus, Bonita K.: *See*—
  Gioffre, Anthony J.; and Marcus, Bonita K., 4,795,482, Cl. 55-75.000.
  Gioffre, Anthony J.; and Marcus, Bonita K., 4,826,676, Cl. 424-52.000.
  Gioffre, Anthony J.; and Marcus, Bonita K., 4,855,154, Cl. 426-417.000.
  Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,824,554, Cl. 208-46.000.
  Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,846,956, Cl. 208-46.000.
  Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,801,309, Cl. 55-35.000.
  Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,869,805, Cl. 208-111.000.
  Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,880,520, Cl. 208-46.000.

Marcus, Fred, to Marcus Industries, Inc. Chair kit. 4,815,789, 3-28-89, Cl. 297-440.000.

Marcus, Herbert D.: *See*—
  DeSatnick, Allen H.; Marcus, Herbert D.; and Merte, Kenneth E., 4,820,265, Cl. 604-30.000.
  DeSatnick, Allen H.; Marcus, Herbert D.; and Nimkar, Shekhar D., 4,848,338, Cl. 128-303.00R.

Marcus, Ilan, to Du Pont de Nemours, E. I., and Company. Polyester fiberfill. 4,818,599, 4-4-89, Cl. 428-288.000.

Marcus Industries, Inc.: *See*—
  Marcus, Fred, 4,815,789, Cl. 297-440.000.

Marcus, Joel. Winged infusion apparatus for patient implantable access ports. 4,813,939, 3-21-89, Cl. 604-177.000.

Marcus, Kenneth N.; and Brookshire, Phillip L., to Dolly, Inc. Portable adjustable child's chair. 4,854,638, 8-8-89, Cl. 297-250.000.

Marcus, Mark E.: *See*—
  Moore, Douglas; and Marcus, Mark E., 4,798,438, Cl. 350-96.150.

Marcus, Paul H.: *See*—
  Sian, Sucha S.; Marcus, Paul H.; and Adler, Felix P., 4,826,452, Cl. 439-595.000.

Marcus, R. Kenneth; and Harrison, W. W., to University of Virginia Alumni Patents Foundation, The. Hollow cathode plasma plume. 4,812,040, 3-14-89, Cl. 356-314.000.

Marcus, R. Steven; and Mercurio, Richard N., to Mermark, Inc. Apparatus and process for vibratory finishing of parts. 4,823,513, 4-25-89, Cl. 51-7.000.

Marcus, Stephen L.: *See*—
  Hou, Janpu; Chai, Bruce H.; Badding, David D.; West, Gary A.; and Marcus, Stephen L., 4,889,993, Cl. 250-365.000.

Marcus, Stephen M., to U.S. Philips Corp. Method of and device for segmenting an electric signal derived from an acoustic signal. 4,813,074, 3-14-89, Cl. 381-36.000.

Marcus, William S.: *See*—
  Bussey, Howard E., Jr.; Giacopelli, James N.; and Marcus, William S., 4,797,880, Cl. 370-60.000.

Marcuson, Samuel W.; Diaz, Carlos M.; Bell, James A. E.; Davies, Haydn; and Stratton-Crawley, Richard, to Inco Limited. Pyrometallurgical copper refining. 4,830,667, 5-16-89, Cl. 75-76.000.

Marder, Herbert B. Apparatus for dispensing injectable medication. 4,863,451, 9-5-89, Cl. 604-403.000.

Marder, Herman: *See*—
  Winston, Anthony; Marder, Herman; and Sorenson, Wayne, 4,812,308, Cl. 424-52.000.

Marder, William: *See*—
  Tsals, Izrail; Feygin, Ilya; and Marder, William, 4,796,463, Cl. 73-862.330.

Mardh, Per A.; and Svensson, Sigfrid, to Biocarb AB. Method for diagnosing the presence of bacteria. 4,851,338, 7-25-89, Cl. 435-34.000.

Mardin, Mithat: *See*—
  Fengler, Gerd; Klausener, Alexander; Buysch, Hans-Josef; Mardin, Mithat; and Pelster, Bernhard, 4,861,878, Cl. 544-48.000.

Mardix, Bar-Cochva: *See*—
  Sadeh, Yaacov; Makover, Yaacov; and Mardix, Bar-Cochva, 4,834,008, Cl. 112-121.120.

Mardon Illingworth Limited: *See*—
  Dudzik, Henryk, 4,796,775, Cl. 220-92.000.
  Dudzik, Henryk, 4,799,603, Cl. 220-307.000.
  Dudzik, Henryk, 4,887,735, Cl. 220-307.000.

Mardon, Paul F., to Pulsar Light of Cambridge Limited. Electrical switching apparatus. 4,862,012, 8-29-89, Cl. 307-38.000.

Mardones Parra, Wladimir A.: *See*—
  Saphores Wiedmaier, Eugenio A.; Gleisner Klempau, Arturo G.; Vega de Kuyper, Juan C.; and Mardones Parra, Wladimir A., 4,886,595, Cl. 209-166.000.

Marechal, Jean-Pierre; and Maschmeyer, Richard O., to Corning Glass Works. Process to mold precision glass articles. 4,854,958, 8-8-89, Cl. 65-64.000.

Marechal, Michel; Rageot, Alain; and Basly, Michel, to Societe Anonyme dite: Filotex. Method of manufacturing a flexible electric cable including a conductor comprising a plurality of fine strands of aluminum or aluminum alloy. 4,859,258, 8-22-89, Cl. 156-51.000.

Marechal, Michel: *See*—
  Ferlier, Jean-Pierre; and Marechal, Michel, 4,808,966, Cl. 338-214.000.

Maree, Johannes P., to Council for Scientific and Industrial Research. Biological treatment of water. 4,839,052, 6-13-89, Cl. 210-603.000.

Marega, Antonello, to Calzaturificio Tecnica SpA. foot-clamping structure for shoes and boots. 4,800,659, 1-31-89, Cl. 36-119.000.

- Marega, Antonello, to Calzaturificio Tecnica SpA. Clamping device for shoes and boots. 4,802,290, 2-7-89, Cl. 36-119.000.
- Marek, James C.: *See—*
  - Doherty, Joseph P.; and Marek, James C., 4,840,765, Cl. 376-310.000.
- Marek, Jan: *See—*
  - Hamal, Karel; and Marek, Jan, 4,852,107, Cl. 372-19.000.
- Marek, Jiri, to Setec Messgerate Gesellschaft m.b.H. Capacitive obstacle detector for vehicles in reverse gear. 4,887,066, 12-12-89, Cl. 340-436.000.
- Marelli Autronica: *See—*
  - Lusinchi, Jean-Pierre; and Moreau, Jean-Michel, 4,868,498, Cl. 324-173.000.
- Marelli Autronica S.p.A.: *See—*
  - Calfus, Marco, 4,862,866, Cl. 123-490.000.
  - Lasagna, Diego; and Mandara, Francesco P., 4,799,471, Cl. 123-644.000.
- Marelmo S.n.c.: *See—*
  - Marchigiano, Giorgio, 4,842,568, Cl. 474-80.000.
- Maremont Corporation: *See—*
  - Ergun, Joseph, 4,823,922, Cl. 188-322.150.
  - Hummel, Paul A.; Skimerhorn, James A.; and Harris, Geoffrey, 4,809,829, Cl. 188-322.150.
  - Ludwig, George C., 4,854,554, Cl. 267-64.110.
  - Paterick, Robert J., 4,821,391, Cl. 29-253.000.
  - Preslicka, Alan J.; Martinez, Guillermo, Jr.; and Sommerio, James, 4,822,072, Cl. 280-668.000.
  - Roach, Jack R., 4,831,915, Cl. 92-49.000.
  - Virani, Noorali, 4,817,983, Cl. 280-668.000.
- Maresca, Louis M.; Clagett, Donald C.; and Wascher, Uwe S., to General Electric Company. Thermoplastic blends comprising polycarbonate resin and amorphous polyamide. 4,798,874, 1-17-89, Cl. 525-425.000.
- Maresca, Louis M., to General Electric Company. Thermoplastic blends containing polyamide and epoxy functional compound. 4,877,848, 10-31-89, Cl. 525-423.000.
- Maresca, Louis M.: *See—*
  - Blackmon, Kenneth P.; Clagett, Donald C.; Fox, Daniel W.; Maresca, Louis M.; and Shafer, Sheldon J., 4,876,317, Cl. 525-433.000.
  - Clendinning, Robert A.; Maresca, Louis M.; Matzner, Markus; and Schwab, Thomas H., 4,857,625, Cl. 528-171.000.
- Maresch, Gerald, to Maschinenfabrik Andritz Actiengesellschaft. Process for electrolytically pickling chromium-containing stainless steel. 4,851,092, 7-25-89, Cl. 204-145.00R.
- Maresch, Gerhard: *See—*
  - Lang, Gunther; Maresch, Gerhard; Wendel, Harald; Konrad, Eugen; Lenz, Hans-Rudi; and Titze, Jurgen, 4,835,266, Cl. 536-20.000.
  - Lang, Gunther; Maresch, Gerhard; Lenz, Hans-Rudi; Konrad, Eugen; Breuer, Lothar; and Hoch, Dietrich, 4,845,204, Cl. 536-20.000.
- Maresch, Heinrich. Fastening means and method for the use of porous materials. 4,865,502, 9-12-89, Cl. 411-358.000.
- Marescq, Jean-Pierre: *See—*
  - Labit, Claude; and Marescq, Jean-Pierre, 4,845,559, Cl. 358-133.000.
- Maresko, William A., to Sundstrand Corporation. Lubrication system for and method of minimizing heat rejection in gearboxes. 4,844,202, 7-4-89, Cl. 184-6.120.
- Maret, S. Melissa: *See—*
  - Bloomster, Timothy G.; Feindt, Hans H.; Hahn, Gerald D.; and Maret, S. Melissa, 4,873,126, Cl. 427-282.000.
- Maret S.A.: *See—*
  - Dubach, Roland, 4,832,075, Cl. 137-512.000.
- Marfat, Anthony, to Pfizer Inc. Synthetic method for indol-2(3H)-ones. 4,885,370, 12-5-89, Cl. 548-486.000.
- Marfat, Anthony: *See—*
  - Lombardino, Joseph G.; and Marfat, Anthony, 4,829,062, Cl. 514-226.500.
- Marfurt, Hans-Rudolf: *See—*
  - Flierl, Klaus; Pfenninger, Heinz; and Marfurt, Hans-Rudolf, 4,810,390, Cl. 210-650.000.
- Margarit-Metaxa, Florin; and Denz, Helmut, to Robert Bosch GmbH. Diagnostic method and arrangement for quantitatively checking actuators in internal combustion engines. 4,794,790, 1-3-89, Cl. 73-117.300.
- Margaritz, Mordeckai; Ronen, Daniel; and Levy, Itzhak, to State of Israel, Ministry of Agriculture, Water Commission; and YEDA Research and Development Co., Ltd. Water sampling system. 4,857,473, 8-15-89, Cl. 436-177.000.
- Margel, Shlomo, to Yeda Research and Development Company, Ltd. Method for removing components of biological fluids. 4,861,705, 8-29-89, Cl. 435-2.000.
- Margelli, Gian F.: *See—*
  - Cuffiani, Illaro; Fabbri, Roberto; Margelli, Gian F.; and Zucchini, Umberto, 4,886,770, Cl. 502-104.000.
- Margerum, Edwin O.; and Strong, Russell W., to Ford New Holland, Inc. Feed plate assembly for axial flow combine. 4,875,890, 10-24-89, Cl. 460-68.000.
- Margetts, Hugh G., to Lucas Industries public limited company. Disc brakes. 4,809,822, 3-7-89, Cl. 188-72.700.
- Margetts, Hugh G.; England, Michael J.; and Hayward, Stephen, to Lucas Industries public limited company. Automatic adjuster. 4,815,571, 3-28-89, Cl. 188-79.620.
- Marggraff, Lewis J.: *See—*
  - Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsug Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridg Peter W. J., 4,819,228, Cl. 370-85.000.
- Margheri, Giancarlo: *See—*
  - Sottini, Stefano; Russo, Vera; Crea, Filippo; and Margheri, Gia carlo, 4,842,390, Cl. 350-96.150.
- Margiaria, Giorgio; and Brizio, Giuseppe, to Fiat Auto S.p.A. Press a method for molding plastics articles, in particular thermoplas thermosetting and polyurethane polymeric articles. 4,861,25 8-29-89, Cl. 425-444.000.
- Margittai, Agnes: *See—*
  - Springthorpe, Anthony J.; Margittai, Agnes; and Eger, Davi 4,889,830, Cl. 437-167.000.
- Margolies, Michael: *See—*
  - Haber, Edgar; Mudgett-Hunter, Meredith; and Margolies, Michae 4,803,167, Cl. 435-240.270.
- Margolies, Paul. Tripodal support. 4,798,262, 1-17-89, Cl. 182-106.00
- Margolin, George D., to Photon Devices, Ltd. Production initializ for fiber optic document scanner. 4,830,446, 5-16-89, Cl. 350-6.500
- Margolin, Mark; Grois, Igor; and Moore, James E., to Amphen Corporation. Fiber optic connector, tool for assembling fiber opt connector and method of assembling fiber optic connecto 4,842,363, 6-27-89, Cl. 350-96.210.
- Margolin, William: *See—*
  - Lomas, William F.; Margolin, William; and Moglia, Robert F 4,833,933, Cl. 74-359.000.
- Margolis, Arthur A. Active shadow mask color CRT. 4,881,0 11-14-89, Cl. 315-376.000.
- Margolis, Donald L.; and Yasui, Yoshiyuki, to Aisin Seiki Kabushi Kaisha. Air spring assembly. 4,844,428, 7-4-89, Cl. 267-64.210.
- Margolis, Geoffrey; Chiovini, Jacky; and Pagliaro, Fulvio A., to Nes S. A. Removal of xanthine stimulants from cocoa. 4,861,607, 8-29-8 Cl. 426-481.000.
- Margolis, Peter I. Spark producer in conjunction with a kni 4,882,841, 11-28-89, Cl. 30-125.000.
- Margonelli, Andrea: *See—*
  - De Luca, Giovanna; Di Stazio, Giovanni; Margonelli, Andre Materazzi, Mario; and Politi, Vincenzo, 4,808,728, C 548-502.000.
- Margot, Paul: *See—*
  - Staub, Theodor; Williams, Robert J.; and Margot, Paul, 4,849,2 Cl. 424-605.000.
- Margraf, Adolf. Filtering separator for particles and harmful gases fro unrefined gases. 4,878,927, 11-7-89, Cl. 55-302.000.
- Margraf, Dallas A., to Hobart Corporation. Self-cleaning convect oven. 4,827,106, 5-2-89, Cl. 219-389.000.
- Margraf, David J.: *See—*
  - Portman, Joseph L., Jr.; and Margraf, David J., 4,799,378, C 73-54.000.
- Margraf, Karl-Heinz: *See—*
  - Schulze, Dieter; and Margraf, Karl-Heinz, 4,803,862, C 72-199.000.
- Margraff, Rodolphe: *See—*
  - Deschamps, Maurice; Floc'h, Francois; Jung, Gerard; and Ma graff, Rodolphe, 4,810,692, Cl. 514-11.000.
- Marguinaud, Andre : *See—*
  - Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre ; Quign Thierry; and Romann, Brigitte, 4,885,756, Cl. 375-82.000.
- Marguleas, Brian: *See—*
  - Tarlow, Kenneth A.; and Marguleas, Brian, 4,828,532, C 446-486.000.
- Margureanu, Gabriella; and Gutmann, Friedrich, to Joh. A. Bencki GmbH. Process for producing citric acid. 4,855,494, 8-8-89, C 562-580.000.
- Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth Bunnelle, William L.; and Swoboda, Jeffrey M., to H. B. Ful Company. Thermally stable reactive hot melt urethane adhes composition having a thermoplastic polymer, a compatible, cur urethane polyester polyol prepolymer and a tackifying ag 4,808,255, 2-28-89, Cl. 156-307.300.
- Marhevka, Virginia C.; Zimmel, John M.; Messman, Elizabeth R.; a Bunnelle, William L., to H. B. Fuller Company. Thermally sta reactive hot melt urethane adhesive composition having a therm plastic polymer, a compatible, curing urethane polyalkylene poly prepolymer and a tackifying agent. 4,820,368, 4-11-89, C 156-307.300.
- Marhofer, Gerd: *See—*
  - Buck, Robert; and Marhofer, Gerd, 4,856,329, Cl. 73-204.220.
- Marhoff, Paul: *See—*
  - Ammann, Ernst; and Marhoff, Paul, 4,803,716, Cl. 378-155.000.
- Marhold, Albrecht; and Fischer, Reiner, to Bayer Aktiengesellsch 2-methyl-4-fluoro-phenols and their preparation. 4,885,388, 12-5-8 Cl. 564-417.000.
- Marhold, Albrecht; and Braden, Rudolf, to Bayer Aktiengesellsch Process for the preparation of benzotrifluorides which are substitu by fluorine and optionally in addition by chlorine. 4,885,415, 12-5-8 Cl. 570-144.000.
- Marhold, Albrecht: *See—*
  - Franckowiak, Gerhard; Marhold, Albrecht; Bechem, Mart Gross, Rainer; Kayser, Michael; Schramm, Matthias; a Thomas, Gunther, 4,886,816, Cl. 514-338.000.
  - Sirrenberg, Wilhelm; Marhold, Albrecht; and Steffens, Rob 4,853,397, Cl. 514-364.000.
  - Sirrenberg, Wilhelm; Marhold, Albrecht; and Wachendorf Neumann, Ulrike, 4,886,823, Cl. 514-364.000.
- Maria, Edmond: *See—*
  - Franzolini, Marc; Maria, Edmond; Vanderschaegbe, Alain; and Bezier, Jean, 4,848,645, Cl. 228-183.000.
- Maria, Jozef G. Fork lift truck and vehicle for the transport thereof. 4,859,133, 8-22-89, Cl. 414-462.000.
- Marian, Steve P.: *See—*
  - Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., 4,881,901, Cl. 439-65.000.
- Mariani, Beniamino; and Bortolin, Bruno, to Societa Cavi Pirelli S.p.A. Expanded beam connector for optical fibers. 4,889,399, 12-26-89, Cl. 350-96.200.
- Mariani, Beniamino: *See—*
  - Bortolin, Bruno; and Mariani, Beniamino, 4,846,544, Cl. 350-96.210.
- Mariani, David: *See—*
  - Kleinberg, Robert L.; Clark, Brian; Chew, Weng C.; and Mariani, David, 4,857,852, Cl. 324-339.000.
- Mariani, Elio A., to United States of America, Army. SAW dispersive delay device. 4,801,836, 1-31-89, Cl. 310-313.00D.
- Mariani, Gaetano; and Romele, Paolo, to Alfa Lancia Industriale S.p.A. Steering column with elastic means for taking up play. 4,833,936, 5-30-89, Cl. 74-493.000.
- Marianik, Charles G.: *See—*
  - Krause, Andrew W.; Marianik, Charles G.; and Kovach, Ronald J., 4,795,256, Cl. 356-320.000.
- Marianne, Jean J.; and Jablonski, Pierre, to Sciaky S.A. Installation for automatic assembly of components and, in particular, components of motor vehicle bodies. 4,856,698, 8-15-89, Cl. 228-4.100.
- Mariano, Armando: *See—*
  - Cipriani, Gioacchino; and Mariano, Armando, 4,812,502, Cl. 524-125.000.
- Mariano, Arturo C.: *See—*
  - Heisey, Raymond K., Jr.; Barker, W. David; Mariano, Arturo C.; and Thurnau, Vernon L., 4,873,808, Cl. 52-478.000.
- Marianowski, Leonard G.; and Fleming, Donald K., to Institute of Gas Technology. Hydrogen forming reaction process. 4,810,485, 3-7-89, Cl. 423-648.100.
- Marianowski, Leonard G.; and Remick, Robert J., to Institute of Gas Technology. Electrochemical separation of oxygen. 4,859,296, 8-22-89, Cl. 204-129.000.
- Maric, Dane: *See—*
  - Tarrson, Emanuel B.; and Maric, Dane, 4,805,252, Cl. 15-167.100.
- Maric, Milan Z.: *See—*
  - Chopping, Geoffrey; and Maric, Milan Z., 4,864,556, Cl. 370-16.000.
- Marichael, Emiel R. L.: *See—*
  - Dekeyser, Willy R. E.; and Marichael, Emiel R. L., 4,815,372, Cl. 100-4.000.
- Maricle, Donald L.; and Carr, Howard S., to International Fuel Cells Corporation. Method of making an electrochemical cell electrode. 4,849,253, 7-18-89, Cl. 427-115.000.
- Maricle, Donald L.; and Buswell, Richard F., to International Fuel Cells Corporation. Method of making monolithic solid oxide fuel cell stack. 4,857,420, 8-15-89, Cl. 429-30.000.
- Mariculture Equipment Development, Inc.: *See—*
  - Harrington, J. J., 4,852,521, Cl. 119-51.040.
- Marie, Bataille J., to Dynapac. Bearing device for poker vibrator. 4,848,936, 7-18-89, Cl. 384-454.000.
- Marie, Christian: *See—*
  - Brion, Francis; Buendia, Jean; and Marie, Christian, 4,879,392, Cl. 548-492.000.
- Marie, Daniel; Rostan, Michel; Luco, Marc; and Thoor, Henry, to Stein Heurtey. Apparatus for the inner and outer quenching of tubular pieces. 4,848,753, 7-18-89, Cl. 266-117.000.
- Marie Guebels, Pierre-Paul F. M.: *See—*
  - Pieters, Jozef F. P.; and Marie Guebels, Pierre-Paul F. M., 4,837,618, Cl. 379-252.000.
- Marie, Philippe, to Mead Corporation, The. Panel interlocking arrangement. 4,869,423, 9-26-89, Cl. 229-40.000.
- Marien, August M.: *See—*
  - Tavernier, Serge M.; Marien, August M.; and Uytterhoeven, Herman J., 4,853,311, Cl. 430-106.000.
  - Timmerman, Daniel M.; Marien, August M.; Van Havenbergh, Jan E.; and Van Thillo, Etienne A., 4,828,927, Cl. 428-480.000.
- Marien, Gregory J.: *See—*
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- Marienbach, Edouard: *See—*
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- Marier, Gregory J.: *See—*
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  - Fanse, Vinaykumar R.; Jones, Egerton G.; and Nazar, Syed M., 4,846,088, Cl. 114-72.000.
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  - Bartlett, Edwin S.; Maringer, Robert E.; and Rayment, Judith J., 4,865,117, Cl. 164-479.000.
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- Marino, Frank J., to Marino Technologies, Inc. Bulk cargo container with inner liner. 4,874,258, 10-17-89, Cl. 383-111.000.
- Marino, Joseph J., to Quigley Company, Inc. Rebuilding of the stack, bosh and hearth of a blast furnace using a remote controlled refractory gunning device. 4,860,422, 8-29-89, Cl. 29-402.180.
- Marino, Joseph T., Jr.: *See—*
  - Young, Ronald J.; Core, Ronald S.; and Marino, Joseph T., Jr., 4,821,173, Cl. 364-200.000.
- Marino, Patrick J.; and Netravali, Arun N., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Telephone toll service with advertising. 4,850,007, 7-18-89, Cl. 379-67.000.
- Marino, Philip F.; and Vandenberg, Donald E., to Eastman Kodak Company. Assembly for correction of distortions of a mirror. 4,875,764, 10-24-89, Cl. 350-611.000.
- Marino, Salvatore J.: *See—*
  - Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., 4,795,695, Cl. 430-495.000.
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  - Marino, Frank J., 4,874,258, Cl. 383-111.000.
- Marinoni, Mario, to Casma S.p.A. Variable hinge for a door or window. 4,881,296, 11-21-89, Cl. 16-237.000.
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Milbauer, Thomas H.; and Benson, LeDell E., 4,871,201, Cl. 292-113.000.
Marion, Elliott, to Conde Nast Publications Inc., The. Table setting display guide. 4,830,619, 5-16-89, Cl. 434-382.000.
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Walker, Steven D., 4,871,731, Cl. 514-211.000.
Wynberg, Hans; and ten Hoeve, Wolter, 4,885,375, Cl. 549-557.000.
Zobrist, Ray H.; and Morrone, William R., 4,879,289, Cl. 514-211.000.
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Mariotti, Rene, to Ore-Ida Vended Products, Inc. Flow control valve. 4,870,985, 10-3-89, Cl. 137-102.000.
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Mark Antenna Products, Inc.: *See—*
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Mark, Carol M., representative: *See—*
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Mark, Charles H.: *See—*
Chestnut, Benjamin F.; Lipp, Ellis P.; and Mark, Charles H., 4,851,624, Cl. 200-317.000.
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Mark, Harold W.: *See—*
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Kimble, Kenneth B.; Macdonell, Gary D.; and Mark, Harold W., 4,857,179, Cl. 209-166.000.
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Mark, Irving L.; and Soni, Varun, to Medline Industries, Inc. Crutch design. 4,852,597, 8-1-89, Cl. 135-69.000.
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Woodall, James C., Jr.; and Haggard, S. E., 4,809,245, Cl. 367-188.000.
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Markem Corporation: *See—*
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Marken, Robert E. Swivel connector for preventing kinking of flexib medical hoses. 4,875,718, 10-24-89, Cl. 285-175.000.
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Marker Deutschland GmbH: *See—*
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Markey, John K., to Yale University. High pressure xenon ionizati detector. 4,880,983, 11-14-89, Cl. 250-385.100.
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Markiselle, Frank. Method for removing hard head from cylinders and locks using tubular keys. 4,827,593, 5-9-89, Cl. 29-426.400.
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Markle, Kenneth E. Cartridge shell flash hole uniformer. 4,807,511, 2-28-89, Cl. 86-24.000.
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Marko, Ollie W., to Dow Corning Corporation. Silicon carbide preceramic polymers. 4,800,221, 1-24-89, Cl. 528-10.000.
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Markow, Edward G., to Grumman Aerospace Corporation. Run-flat tire incorporating band segment and coil members. 4,794,966, 1-3-89, Cl. 152-516.000.
Markowicz, Victor. Hierarchical lottery network with selection from differentiated playing pools. 4,842,278, 6-27-89, Cl. 273-138.00A.
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Marks, Alvin M. Super submicron electron beam writer. 4,798,959, 1-17-89, Cl. 250-492.200.
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Marks, Curtis G.: *See—*
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Marks, Dale H. Clamp for mounting a device to a tubular. 4,852,840, 8-1-89, Cl. 248-230.000.
Marks, Daniel W.; and Schmachtenberg, Richard, III. Electrical connector. 4,830,620, 5-16-89, Cl. 439-45.000.
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Marks, Franklin J., Jr. Adjustable device for mounting an electronic imaging camera to a surface by vacuum. 4,863,130, 9-5-89, Cl. 248-206.300.
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Marks, Mortimer. Method of making a high quality polarizer. 4,865,670, 9-12-89, Cl. 156-99.000.
Marks, Rex B.: *See—*
Gill, Dee R.; and Marks, Rex B., 4,867,824, Cl. 156-175.000.
Marks, Rick R.: *See—*
Steenton, George R.; and Marks, Rick R., 4,863,398, Cl. 439-538.000.
Marks, Robert J., II; Atlas, Les E.; and Oh, Seho, to Washington Technology Center, The. Optical neural net memory. 4,849,940, 7-18-89, Cl. 365-215.000.
Marks, Ronald F.: *See—*
Frank, David J.; and Marks, Ronald F., 4,821,082, Cl. 357-34.000.
Kirchner, Peter D.; Marks, Ronald F.; Pettit, George D.; Woodall, Jerry M.; and Wright, Steven L., 4,860,066, Cl. 357-16.000.
Marks, Stephen D.: *See—*
Anderson, Howard B., II; Marks, Stephen D.; and Cook, Randall W., 4,866,423, Cl. 340-541.000.
Marks, Thomas. Device for removal of a rail connector. 4,815,188, 3-28-89, Cl. 29-259.000.
Marks, Tobin J.; and Mauermann, Heiko, to Northwestern University. Olefin and cycloalkene polymerization with organolanthanide catalysts. 4,801,666, 1-31-89, Cl. 526-123.000.
Marks, Tobin J.: *See—*
Wynne, Kenneth J.; Marks, Tobin J.; and Inabe, Tamotsu, 4,839,112, Cl. 264-22.000.
Markson, Ralph; Warwick, James W.; and Uhlir, Arthur, Jr., to Airborne Research Associates, Inc. Interferometeric lightning ranging system. 4,801,942, 1-31-89, Cl. 342-460.000.
Markson, Theodore, to Paris Accessories, Inc. Method of manufacturing stocking cap and resultant article. 4,823,406, 4-25-89, Cl. 2-201.000.
Markstein, Peter W.: *See—*
Cocke, John; and Markstein, Peter W., 4,802,091, Cl. 364-300.000.
Markstein, Rudolf; and Palacios, Jose, to Sandoz Ltd. Uses of dopamine receptor agonists. 4,855,306, 8-8-89, Cl. 514-280.000.
Markunas, Robert J.; Hendry, Robert; and Rudder, Ronald A., to Research Triangle Institute, Inc. Remote plasma enhanced CVD method for growing an epitaxial semiconductor layer. 4,870,030, 9-26-89, Cl. 437-81.000.
Markus, Arie; and Pelah, Zvi, to Ben-Gurion University of the Negev Research & Development Authority. Insecticidal composition comprising diazinon and process for the preparation thereof. 4,851,227, 7-25-89, Cl. 424-419.000.
Markus, Eugen; Steven, Hubert; and Croonenbrock, Raimund, to L. & C. Steinmuller GmbH. Method and apparatus for producing a coal/-water mixture for combustion in a fluidized bed unit. 4,850,700, 7-25-89, Cl. 366-132.000.
Markus, Franklyn M. Ice/snow scraping system. 4,870,712, 10-3-89, Cl. 15-227.000.
Markus, Isidoro N. Reclining chair with suspended seating. 4,819,986, 4-11-89, Cl. 297-325.000.
Markus, Isidoro N. Reclining chair having suspended seating. 4,880,273, 11-14-89, Cl. 297-325.000.
Markus, James A., to Casco Products Corporation. Apparatus and method for monitoring liquid levels. 4,859,987, 8-22-89, Cl. 340-450.000.
Markusch, Peter; and Hudson, George A., deceased (by White, Richard L., administrator), to Mobay Corporation. Liquid polyisocyanate adduct mixtures possessing good compatibility with apolar solvents. 4,855,490, 8-8-89, Cl. 560-355.000.
Markusch, Peter H.; and Rosthauser, James W., to Mobay Corporation. Aqueous polyurethane-ureas dispersions and their use for the production of coatings having improved humidity resistance. 4,826,894, 5-2-89, Cl. 523-415.000.

Markusch, Peter H.; Mason, Arthur W.; and Wenzel, Wolfgang D., to Mobay Corporation. Continuous process for the production of aqueous polyurethane urea dispersions. 4,879,322, 11-7-89, Cl. 523-322.000.

Markusch, Peter H.: *See—*

Dunlap, Kenneth L.; Markusch, Peter H.; and Ferrell, Clarence D., 4,888,442, Cl. 560-352.000.

Markussen, Erik K., to Novo Industri A/S. Method for production of an enzyme granulate. 4,876,198, 10-24-89, Cl. 435-183.000.

Markuszewski, Richard: *See—*

Chriswell, Colin D.; Kaushik, Surender M.; Shah, Navin D.; and Markuszewski, Richard, 4,859,212, Cl. 44-622.000.

Markvoort, Jan A.; Van Alphen, Adrianus J. M.; and Monen, Marinus J. B. M., to U.S. Philips Corporation. Compact disc drive apparatus having an interface for transferring data and commands to and from a host controller. 4,802,152, 1-31-89, Cl. 369-32.000.

Markwardt, Herbert W., to Encon Industries, Inc. Dual mounting ceiling fan. 4,878,806, 11-7-89, Cl. 416-5.000.

Markwardt, Klaus: *See—*

Mergelsberg, Reinhard; de Vilchez, Jose ; Markwardt, Klaus; and Schluter, Jurgen, 4,867,999, Cl. 426-520.000.

Markwardt, Terrance L., to Minnesota Mining and Manufacturing Company. Cable splicing method while maintaining electrical connection. 4,817,282, 4-4-89, Cl. 29-868.000.

Markwardt, Terrance L., to Minnesota Mining and Manufacturing Company. Electrical connector (cut-off through the cover). 4,834,668, 5-30-89, Cl. 439-392.000.

Markwardt, Terrance L., to Minnesota Mining and Manufacturing Company. Cable splicing method. 4,835,854, 6-6-89, Cl. 29-857.000.

Markwardt, Terrance L., to Minnesota Mining and Manufacturing Company. Electrical connector (with telescoping for sealing). 4,836,800, 6-6-89, Cl. 439-291.000.

Markwell, Edgar R., to Freudenberg Nonwovens Ltd. Protective garment. 4,860,382, 8-29-89, Cl. 2-82.000

Markwell, Roger E.; Ward, Robert W.; and De Mello, Carol R., to Beecham Group p.l.c. Pharmaceutically useful pyrazolo[4,3-b]pyridines. 4,833,136, 5-23-89, Cl. 514-212.000.

Markwell, Roger E.; Hughes, Ian; and Ward, Robert W., to Beecham Group p.l.c. Pharmacologically useful pyrazolopyridines. 4,837,238, 6-6-89, Cl. 514-212.000.

Markwell, Roger E.: *See—*

Ward, Robert W.; Markwell, Roger E.; and Hughes, Ian, 4,818,754, Cl. 514-210.000.

Marland, Dale W., to Eagle Comtronics, Inc. Method and apparatus for scrambling a television signal. 4,807,285, 2-21-89, Cl. 380-15.000.

Marlek, Edward. Liquid chemical applicator for treatment of a horizontal surface. 4,887,771, 12-19-89, Cl. 239-722.000.

Marlen Research Corporation: *See—*

Powers, Richard G., 4,830,230, Cl. 222-334.000.

Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,869,653, Cl. 417-339.000.

Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,869,655, Cl. 417-360.000.

Powers, Richard G.; Currier, Joseph G.; and Zeets, Joseph S., 4,884,594, Cl. 137-625.480.

Marler, David O.: *See—*

Absil, Robert P. L.; Han, Scott; Marler, David O.; and Shihabi, David S., 4,851,604, Cl. 585-475.000.

Chu, Yung F.; Marler, David O.; and McWilliams, John P., 4,885,426, Cl. 585-474.000.

Marlett, Everett M., to Ethyl Corporation. Production of silane and useful coproducts. 4,855,120, 8-8-89, Cl. 423-347.000.

Marlett, Everett M.; Frey, Frederick W.; Johnston, Steven W.; and Kaesz, Herbert D., to Ethyl Corporation. Stabilization of amine alanes. 4,866,191, 9-12-89, Cl. 556-171.000.

Marley, Clement F. Guard and guide for corn cutters. 4,885,842, 12-12-89, Cl. 30-121.500.

Marley, Clement F.: *See—*

Spinner, Raphael F.; Marley, Clement F.; Brown, Mary; and Grant, Cathy, 4,872,240, Cl. 16-114.00B.

Marley Company, The: *See—*

Hill, Wayne E.; and McEachern, Dennis, 4,876,530, Cl. 340-605.000.

Marley Cooling Tower Company, The: *See—*

Kinney, Ohler L., Jr.; and Houx, James R., Jr., 4,801,410, Cl. 261-112.200.

Kinney, Ohler L., Jr.; and Bugler, Thomas W., III, 4,826,636, Cl. 261-23.100.

Marley Tile A.G.: *See—*

Brittain, David R., 4,820,144, Cl. 425-183.000.

Marley-Wylain Company, The: *See—*

LaGrange, Nyle D.; Nielsen, Darryl M.; and Peterson, Terry A., 4,806,083, Cl. 417-423.140.

Marlin, Lawrence: *See—*

Rosen, Meyer R.; Marlin, Lawrence; and Bracco, Anthony C., 4,802,914, Cl. 75-3.000.

Marlow, Christopher I.: *See—*

Pilkington, Donald J.; and Marlow, Christopher I., 4,808,046, Cl. 409-132.000.

Marlow, Peter G.; Granelli, Mario L.; and Perry, Melvyn, to Royal Ordnance plc. Reactive armor constructions and explosive packages suitable therefor. 4,867,077, 9-19-89, Cl. 109-36.000.

Marlow, Peter G.; Perry, Melvyn; and Jepson, Donald, to Royal Ordnance plc. Combined active and passive armor system. 4,869,152, 9-26-89, Cl. 89-36.170.

Marlow, Raymond; Robertson, William M.; and Burke, Edward J. Colored thermal joint compound. 4,883,538, 11-28-89, Cl. 106-287.130.

Marlowe, James L., to Sterling Plumbing Group, Inc. Adjustment apparatus for supporting a slidable door. 4,887,394, 12-19-89, Cl. 49-409.000.

Marlowe, Mickey O.: *See—*

Lay, Kenneth W.; Rosenbaum, Herman S.; Davies, John H.; and Marlowe, Mickey O., 4,869,866, Cl. 376-421.000.

Marman, Douglas H.: *See—*

Abel, William E.; and Marman, Douglas H., 4,837,558, Cl. 340-550.000.

Marmar, Joel L. Disposable prostatic aspiration device. 4,865,590, 9-12-89, Cl. 604-180.000.

Marmarosi nee Kellner, Katalin: *See—*

Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.

Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.

Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, 4,826,863, Cl. 514-395.000.

Szentmiklosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, 4,814,336, Cl. 514-263.000.

Marme Dieter: *See—*

Trostmann, Uwe; Schachtele, Christoph; Mannhardt, Karl; Rudolph, Claus; and Marme Dieter, 4,855,489, Cl. 560-250.000.

Marmin, Jean-Claude, to Harris-Marinoni S.A. Device for holding a printing plate onto a plate cylinder in a rotary offset printing press. 4,862,801, 9-5-89, Cl. 101-415.100.

Marmonier, Andre : *See—*

Heng, Jean-Paul; Marmonier, Andre ; and Briguet, Etienne, 4,878,855, Cl. 439-411.000.

Marmor, Adrian. Bedclothing support. 4,802,252, 2-7-89, Cl. 5-505.000.

Marnat, Michel: *See—*

Jourdain, Marc; and Marnat, Michel, 4,828,537, Cl. 474-160.000.

Kapela, Didier; and Marnat, Michel, 4,816,013, Cl. 474-160.000.

Marneffe, Antonius C.; Persoon, Frederik G. A.; and Scholten, Gerard J., to U.S. Philips Corporation. Method for manufacturing multilayer ceramic capacitors. 4,849,855, 7-18-89, Cl. 361-321.000.

Marner, Wilbur J.: *See—*

Collins, Earl R., Jr.; Marner, Wilbur J.; and Rohatgi, Naresh K., 4,846,224, Cl. 137-810.000.

Suitor, Jerry W.; Berdahl, C. Martin; and Marner, Wilbur J., 4,885,142, Cl. 423-219.000.

Maro, Tsuyoshi: *See—*

Kitakami, Osamu; Fujiwara, Hideo; and Maro, Tsuyoshi, 4,828,919, Cl. 428-336.000.

Marocco, Claude C. A. Table tennis practice aid. 4,886,269, 12-12-89, Cl. 273-30.000.

Marocco, Norbert. Venetian blind control. 4,875,516, 10-24-89, Cl. 160-178.100.

Marohl, Rudolph O.: *See—*

Adams, Richard H.; Gross, Alan E.; Jelatis, Demetrius G.; Jennrich, Carleton E.; and Marohl, Rudolph O., 4,831,531, Cl. 364-424.010.

Jennrich, Carleton E.; Marohl, Rudolph O.; and Weber, Robert J., 4,802,349, Cl. 69-39.000.

Marois, James J.; Fravel, Deborah R.; Connick, William J., Jr.; Walker, H. Lynn; and Quimby, Paul C., Jr., to United States of America, Agriculture. Preparation of pellets containing fungi for control of soilborne diseases. 4,818,530, 4-4-89, Cl. 424-93.000.

Marolda, Victor J., Jr., to United States of America, Navy. Elastomeric electrical isolation membrane. 4,874,326, 10-17-89, Cl. 439-273.000.

Maroldo, Stephen G.; Betz, William R.; and Borenstein, Noah, to Rohm and Haas Company. Carbonaceous adsorbents from pyrolyzed polysulfonated polymers. 4,839,331, 6-13-89, Cl. 502-416.000.

Marom, Emanuel; Owechko, Yuri; and Soffer, Bernard H., to Hughes Aircraft Company. Optical analog data processing systems for handling bipolar and complex data. 4,888,724, 12-19-89, Cl. 364-807.000.

Marom, Emanuel: *See—*

Grinberg, Jan; Owechko, Yuri; Soffer, Bernard H.; and Marom, Emanuel, 4,800,519, Cl. 364-822.000.

Grinberg, Jan; Marom, Emanuel; Soffer, Bernard H.; O'Meara, Thomas R.; and Popa, Adrian E., 4,871,232, Cl. 350-162.110.

Marom, Itsak: *See—*

Kirson, Yoram; and Marom, Itsak, 4,885,977, Cl. 89-41.050.

Maron, Antonina: *See—*

Wright, Arthur P. G.; Pui Lan Wen, Betty; Schenck, Terry G.; and Maron, Antonina, 4,822,876, Cl. 536-121.000.

Wright, Arthur P. G.; Wen, Betty P. L.; Schenck, Terry G.; and Maron, Antonina, 4,842,734, Cl. 514-191.000.

Wright, Arthur P. G.; Wen, Betty P. L.; Schenck, Terry G.; and Maron, Antonina, 4,882,324, Cl. 514-191.000.

Maron, Robert, to Teleco Oilfield Services Inc. Apparatus for measuring weight, torque and side force on a drill bit. 4,821,563, 4-18-89, Cl. 73-151.000.

Marosi, Laszlo; Stabenow, Joachim; Eger, Knut; Irgang, Matthias; and Zirker, Guenter, to BASF Aktiengesellschaft. Preparation of amorphous metal/magnesium silicates. 4,849,395, 7-18-89, Cl. 502-251.000.

Marosi, Laszlo, to BASF Aktiengesellschaft. Preparation of silicon nitride powder. 4,859,443, 8-22-89, Cl. 423-344.000.

Marossy, Kalman: *See—*

Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.

Marossy, Katalin: *See—*

Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.

Maroszek, Raymond V., to James River-Norwalk, Inc. Disposable plate lid and food container including same. 4,819,862, 4-11-89, Cl. 229-125.270.

Marotel, Garard, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E. Temperature-compensated piezoelectric oscillator. 4,851,791, 7-25-89, Cl. 331-158.000.

Marotel Gerard: *See—*

Thorax, Didier; and Marotel Gerard, 4,888,471, Cl. 219-501.000.

Marotel, Yves; Hurier, Francis; Mansot, Jean-Louis; and Martin, Jean-Michel, to Norsolor. Calcium soaps possessing a high basicity reserve. 4,824,585, 4-25-89, Cl. 252-39.000.

Marotto, Robert A., to Dexter Lock Company. Convertible backset latch mechanism. 4,804,216, 2-14-89, Cl. 292-337.000.

Maroy, Peter: *See—*

Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, 4,866,089, Cl. 514-456.000.

Maroy, Pierre: *See—*

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Marpam International, Inc.: *See—*

Edwards, Bryant, 4,874,367, Cl. 604-72.000.

Marple, Melvyn J.; and Potemski, Andrew S., to International Business Machines Corporation. Floppy disk controller with means to change clock rate automatically. 4,872,107, 10-3-89, Cl. 364-200.000.

Marple, Virgil A., to University of Minnesota, Regents of the. Personal air sampling impactor. 4,796,475, 1-10-89, Cl. 73-863.220

Marple, Virgil A.; and Liu, Benjamin Y. H., to University of Minnesota, Regents of the. Cartridge personal sampling impactor. 4,827,779, 5-9-89, Cl. 73-863.220.

Marple, Wendell P., to International Business Machines Corporation. Switched threshold comparator for a fiber-optic receiver. 4,833,346, 5-23-89, Cl. 307-359.000.

Marposs Societa' per Azioni: *See—*

Pozzetti, Mario, 4,829,717, Cl. 51-165.760.

Marq Packaging Systems, Inc.: *See—*

Carlton, Bernard J.; and Downs, David R., 4,821,203, Cl. 364-478.000.

Marqardt, Wolfgang: *See—*

Rohling, Holmer; Schulz, Frank; and Marqardt, Wolfgang, 4,836,197, Cl. 128-201.230.

Marquardt, Bernd. Pharmaceutical product, containing a mixture of benzoic acid, phenol and an alkali fluoride, for the topical treatment of herpes virus efflorescences, and method for treatment of herpes simplex efflorescences in the human. 4,849,221, 7-18-89, Cl. 424-676.000.

Marquardt Company, The: *See—*

Galvin, Mark W., 4,796,835, Cl. 244-3.290.

Marquardt, Daniel J.: *See—*

Buffham, Brian W.; and Marquardt, Daniel J., 4,819,683, Cl. 137-71.000.

Marquardt, Hans: *See—*

Shoyab, Mohammed; Marquardt, Hans; and Todaro, George J., 4,806,492, Cl. 436-547.000.

Marquardt, Klaus: *See—*

Ball, Peter; Marquardt, Klaus; and Selig, Manfred, 4,847,341, Cl. 526-201.000.

Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.

Sittenthaler, Wilhelm; Marquardt, Klaus; Deubzer, Bernward; and Eglseder, Anton, 4,833,187, Cl. 524-188.000.

Marquardt, Rainer: *See—*

Bremer, Jurgen; Fuchs, Andreas; and Marquardt, Rainer, 4,809,153, Cl. 363-141.000.

Marquardt, Siegfried: *See—*

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Marquart, James A.: *See—*

Shalati, Mohamad D.; Marquart, James A.; Babjak, John R.; and Harris, Rodney M., 4,859,758, Cl. 527-313.000.

Shalati, Mohamad D.; and Marquart, James A., 4,871,806, Cl. 525-108.000.

Marquest Medical Products, Inc.: *See—*

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Marquet-Ellis, Hubert: *See—*

Bridenne Alaux, Martine; Marquet-Ellis, Hubert; Keller, Nelly; and Folcher, Gerard, deceased, 4,857,294, Cl. 423-489.000.

Marquet, Guy: *See—*

Comera, Jean; Contamin, Pierre; Favier, Jean-Jacques; and Marquet, Guy, 4,797,174, Cl. 156-616.100.

Marquette Electronics, Inc.: *See—*

Fetter, Richard W.; Gadsby, Peter D.; and Kabachinski, Jeffery L., 4,841,988, Cl. 128-804.000.

Gadsby, Peter D.; Moore, Martin R.; Olson, Denis E.; and Scott, Barry M., 4,852,571, Cl. 128-640.000.

Rhyne, Theodore L., 4,881,549, Cl. 128-660.070.

Marquez, Humberto: *See—*

Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.

Marquez, Robert O., to Hewlett-Packard Company. Tape cartridge for use in disc drive. 4,888,659, 12-19-89, Cl. 360-132.000.

Marquip, Inc.: *See—*

Marschke, Carl R., 4,834,696, Cl. 493-179.000.

Welch, Harold D., 4,809,573, Cl. 83-37.000.

Marquis, Edward T.; Sanderson, John R.; and Keating, Kenneth P., to Texaco Inc. Epoxidation in the presence of molybdenum/alkali metal/ethylene glycol complexes [useful as epoxidation catalysts]. 4,845,251, 7-4-89, Cl. 549-529.000.

Marquis, Edward T.: *See—*

Sanderson, John R.; and Marquis, Edward T., 4,801,755, Cl. 568-571.000.

Sanderson, John R.; Marquis, Edward T.; and Lin, Jiang-Jen, 4,803,305, Cl. 568-571.000.

Sanderson, John R.; Meyer, Robert A.; Smith, William A.; and Marquis, Edward T., 4,810,809, Cl. 549-529.000.

Marquis, Geoffrey F.: *See—*

Thorp, Graham M.; Allchin, James F. C.; Marquis, Geoffrey F.; Burattini, Dino; and Watt, Peter J., 4,858,401, Cl. 52-100.000.

Marquis, Harold L., to Mead Corporation, The. Carrying handle for a carton. 4,846,395, 7-11-89, Cl. 229-52.00B.

Marquis, Joseph; and Lichtman, Philip, to Diamond Guard Corporation. Handheld digital gemstone measurement apparatus. 4,845,646, 7-4-89, Cl. 364-560.000.

Marquiss, Samuel A., to Beckman Instruments, Inc. Acoustic impedance system for pipette tip detection. 4,846,003, 7-11-89, Cl. 73-864.240.

Marquiss, Stanley L., to Electromagnetic Research and Development. Planar loudspeaker system. 4,856,071, 8-8-89, Cl. 381-203.000.

Marquot, Alexis; and Fruhauf, Serge, to Thomson Composants Militaires et Spaciaux. Safety device for the programming of an electrically programmable non-volatile memory. 4,827,451, 5-2-89, Cl. 365-189.010.

Marquot, Alexis, to Thomson Semiconducteurs. Integrated circuit of the logic circuit type comprising an electrically programmable non-volatile memory. 4,837,744, 6-6-89, Cl. 365-195.000.

Marquot, Alexis, to Thomson Composants Militaires et Spaciaux. Integrated circuit of the logic circuit type comprising an electrically programmable non-volatile memory. 4,864,541, 9-5-89, Cl. 365-185.000.

Marquot, Alexis: *See—*

Fruhauf, Serge; and Marquot, Alexis, 4,860,258, Cl. 365-194.000.

Marr, Helen E.: *See—*

Sanger, Gareth J.; and Marr, Helen E., 4,845,092, Cl. 514-216.000.

Marr-Leisy, Debra: *See—*

Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., 4,837,305, Cl. 530-345.000.

Marr, Michael R.: *See—*

Burrus, Gilbert S., Jr.; Cooper, Ronald J.; Marr, Michael R.; Marsico, Mario A.; Pescatore, John C.; and Sullivan, Paul D., 4,837,677, Cl. 364-200.000.

Marr, Richard A.: *See—*

Lammers, Uve H. W.; and Marr, Richard A., 4,830,479, Cl. 350-486.000.

Marr, Rolf: *See—*

Wiesenberger, Alfred; Marr, Rolf; Kolb, Erich; Schildmann, Jens A.; and Weisrock, Reinhard, 4,867,997, Cl. 426-387.000.

Marra, Dorothea C.: *See—*

Osipow, lloyd I.; Marra, Dorothea C.; and Spitzer, J. George, 4,832,945, Cl. 424-65.000.

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  Dobbins, Bob M., 4,817,010, Cl. 364-479.000.
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Marshall, James R.: *See—*
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Marshall, Luann R., to Du Pont de Nemours, E. I., and Company. Purification of condensation products. 4,833,009, 5-23-89, Cl. 428-267.000.
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Marshall, Steven C. Electric musical string instruments. 4,858,509, 8-22-89, Cl. 84-1.160.
Marshall, Steven F.; Haden, Richard E., Jr.; and Johnson, Darrell R., to United Health, Inc. Self-inking article marking device. 4,838,158, 6-13-89, Cl. 101-105.000.
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- Marshik, Gary J., to JW Window Components, Inc. Sliding panel roller assembly. 4,805,262, 2-21-89, Cl. 16-105.000.
- Marsico, Mario A.: *See*—
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- Marson, Albert U., to Michigan Bell Telephone Company. Modular plug identification tag. 4,840,582, 6-20-89, Cl. 439-491.000.
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- Marte, Julio: *See*—
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  - Milocco, Claudio; Favret, Ugo; and Martegani, Antonio, 4,799,855, Cl. 415-143.000.
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  - Hooper, Anthony W.; and Martel, Andre, 4,805,762, Cl. 198-747.000.
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  - Clark, John; Martel, Brian J.; and Murray, James S., 4,847,542, Cl. 318-560.000.
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  - Jacquemet, Georges, 4,799,557, Cl. 173-91.000.
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  - Batz, James E.; Martell, Dennis J.; and Overmyer, Steven A., 4,839,642, Cl. 340-825.540.
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  - Famili, Amir; Marten, Finn L.; and Mohanty, Dillip K., 4,851,47 Cl. 525-60.000.
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  - Kordts, Jurgen; and Martens, Gerhard, 4,850,698, Cl. 356-434.00
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  - Chernega, John G.; Martens, John A.; Lau, Felix P.; and Milne Leslie M., 4,835,647, Cl. 360-135.000.
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- Martens, Phillip A.: *See*—
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  - Clark, Leonard R. M.; and Martenson, Aaron C., 4,848,001, C 30-391.000.
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  - Lagerstedt, Jan; and Martensson, Kjell, 4,798,296, Cl. 206-631.20
- Martensson, Lars: *See*—
  - Franke, Rickard; and Martensson, Lars, 4,861,328, Cl. 493-470.00
- Martetschlager, Kurt: *See*—
  - Schermanz, Karl; Saischek, Gerald; Urmann, Robert; and Marte chlager, Kurt, 4,812,465, Cl. 514-340.000.
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  - Doll, Werner; Kamfjord, Thor G.; and Marthinsen, Jan E. 4,804,254, Cl. 350-344.000.
- Marti Automatic, Inc.: *See*—
  - Wheeler, Roger R., 4,809,602, Cl. 100-35.000.
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  - Branca, Quirico; Jaunin, Roland; Maki, Hans P.; Marti, Franzi; and Ramuz, Henri, 4,808,605, Cl. 514-394.000.
- Marti, Hanspeter: *See*—
  - Murrell, Kenneth D.; Gamble, Howard R.; and Marti, Hanspete 4,795,633, Cl. 424-88.000.
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- Martial, Marie-Francoise: *See*—
  - Guinet, Jannick; Hubert, Jean-Claude; and Martial, Marie-Fra coise, 4,860,939, Cl. 228-122.000.
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  - Aaltonen, Olli; Martikainen, Antti; Rantala, Borje; Ekstrom, Jan and Toikka, Osmo, 4,886,528, Cl. 55-158.000.
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  - Kelson, Lance P.; Kelson, Ross J.; and Martin, Allan F., 4,807,344, Cl. 29-240.000.
- Martin, Alvin D., Jr.: *See*—
  - Blaney, Ted L.; Freeland, Mary E.; and Martin, Alvin D., Jr., 4,795,452, Cl. 604-385.100.
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  - Lacey, Paul D.; and Martin, Anthony, 4,875,589, Cl. 209-534.000.
- Martin, Anthony N., to United Technologies Corporation. Engine speed control apparatus. 4,875,168, 10-17-89, Cl. 364-431.010.
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  - Martin, Terry G., 4,889,102, Cl. 124-88.000.
- Martin, Arnold D., to CPC Engineering Corporation. Method and apparatus for controlling the coagulant dosage for water treatment. 4,855,061, 8-8-89, Cl. 210-709.000.
- Martin, August, to Pfaff Industriemaschinen GmbH. Sewing group with a feed device. 4,838,188, 6-13-89, Cl. 112-121.120.
- Martin Automatic Fishing Reel Co., Inc.: *See*—
  - Sheppard, William G., 4,796,831, Cl. 242-212.000.
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  - Martin, John R.; and Carlson, Donald E., 4,859,270, Cl. 156-361.000.
  - Wheeler, Roger R.; and Martin, John R., 4,801,342, Cl. 156-159.000.
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  - Corfits, William D.; Gullicksrud, John T.; Martin, Bradley L.; McCutcheon, Robert W.; Rasmussen, Jerry R.; Westphal, Gordon W.; and Wheeler, Stephen E., 4,853,830, Cl. 361-391.000.
- Martin, Brian D. Weatherproof safety fuse igniter. 4,846,067, 7-11-89, Cl. 102-275.600.
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  - Martin, Bruce W.; and Hensley, L. Edward, 4,850,689, Cl. 351-161.000.
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- Martin, Carl O.: *See*—
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- Martin, Catherine L.; and Williams, Brian R. Hypodermic needle guard. 4,887,998, 12-19-89, Cl. 604-110.000.
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- Martin, Clarence G. Casket cover. 4,823,448, 4-25-89, Cl. 27-35.000.
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- Martin, Craig A., to American Cyanamid Company. Herbicidal oil in water combination compositions of pendimethalin. 4,810,279, 3-7-89, Cl. 71-121.000.
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- Martin, Daniel P. Power chuck. 4,824,126, 4-25-89, Cl. 279-1.00C.
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- Martin, Danny W.; Osterhage, Rodney J.; and Summa, Kenneth M., to Laser Diode Products, Inc. Laser construction. 4,805,177, 2-14-89, Cl. 372-34.000.
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- Martin, David A., to Lockheed Corporation. Method of coupling optical fibers enbedded in a molded article to the exterior thereof. 4,888,076, 12-19-89, Cl. 156-245.000.
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  - Williams, Joel L.; Martin, David A.; and Montgomery, David B., 4,822,632, Cl. 427-34.000.
- Martin, David C., to Reflexite Corporation. Retroreflective sheet material and method of making same. 4,801,193, 1-31-89, Cl. 350-103.000.
- Martin, David O., to Martin Door Manufacturing. Coil torsion spring mounting cones with groove break and method of mounting. 4,817,927, 4-4-89, Cl. 267-155.000.
- Martin, David W., Jr.: *See*—
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- Martin, Dieter, to Gates Rubber Company, The. Thermoplastic diaphragm. 4,864,918, 9-12-89, Cl. 92-103.0SD.
- Martin, Donald L., to M. K. Products. Brake for welding machine. 4,885,453, 12-5-89, Cl. 219-136.000.
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- Martin, Donald R., to Cooper Power Systems, Inc. Switch mechanism operating rod. 4,883,930, 11-28-89, Cl. 200-148.00F.
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- Martin, Donnie L., to D. L. Martin Company. Hydraulic drive system for elevator. 4,807,724, 2-28-89, Cl. 187-110.000.
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  - Martin, David O., 4,817,927, Cl. 267-155.000.
- Martin, Dorothy B. Food store coupon organizer. 4,802,575, 2-7-89, Cl. 206-232.000.
- Martin, Douglas W.: *See*—
  - Au, Whitlow W. L.; and Martin, Douglas W., 4,847,817, Cl. 367-135.000.
- Martin, Edward A.: *See*—
  - Harris, Dorothy A., 4,813,162, Cl. 36-88.000.
- Martin, Edward L.; Graham, Fred G.; and Roman, Benjamin. Method and apparatus for bar code graphics quality control. 4,860,226, 8-22-89, Cl. 364-552.000.
- Martin, Edward P., Jr.: *See*—
  - Dautartas, Mindaugas F.; Harrus, Alain S.; Martin, Edward P., Jr.; and Stevie, Fred A., 4,861,126, Cl. 350-96.110.
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Perrotta, Anthony J.; Grubbs, Donald K.; and Martin, Edward S., 4,818,729, Cl. 501-4.000.
Martin Engineering Co.: *See—*
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Martin, Frederick L., to Motorola, Inc. Frequency synthesizer with spur compensation. 4,816,774, 3-28-89, Cl. 331-1.00A.
Martin, Gary. Vehicular steering wheel telephone apparatus. 4,850,015, 7-18-89, Cl. 379-428.000.
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Martin, Gerard M.: *See—*
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Burgess, Bruce; and Martin, Glenn, 4,818,361, Cl. 204-406.000.
Martin, Glenn E.; Salatin, Timothy D.; and Cook, Vincent C., to BASF Corporation. Stabilized high solids low Ig copolymer nonaqueous dispersion for clear coat finishes. 4,818,792, 4-4-89, Cl. 525-286.000.
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Martin, Gunther J.: *See—*
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Martin, Harry D., III: *See—*
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Martin, James. Dental floss dispenser. 4,844,104, 7-4-89, Cl. 132-321.00
Martin, James A., to United States of America, National Aeronautic and Space Administration. Dual-fuel, dual-mode rocket engin 4,831,818, 5-23-89, Cl. 60-204.000.
Martin, James A., to United States of America, National Aeronautic and Space Administration. Earth-to-orbit vehicle providing a reu able orbital stage. 4,884,770, 12-5-89, Cl. 244-158.00R.
Martin, James L.; and Jackson, A. R. Prepacked and disposable anim litter receptacles and containment therefor. 4,801,006, 1-31-89, C 206-204.000.
Martin, James L.: *See—*
Jackson, Albert R.; and Martin, James L., 4,809,390, Cl. 15-257.90
Martin, James M.; Crum, James R.; Mankins, William L.; and Sarve Jeffrey M., to INCO Alloys International, Inc. Nickel-base alloy hea treatment. 4,798,633, 1-17-89, Cl. 148-162.000.
Martin, James P.: *See—*
Adams, Jerry F.; Borton, Michael D.; Hubble, Fred F., III; Marti James P.; Shoemaker, Ralph A.; Werner, Alan J.; and MacDo ald, Virginia N., 4,831,410, Cl. 355-208.000.
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DeBold, Terry A.; Englehart, David A.; and Martin, James W 4,832,765, Cl. 148-325.000.
Hudson, Tommy E.; and Martin, James W., 4,796,701, C 166-278.000.
Martin, Jean C., to Cimsa Sintra. Method for optimized management a system of pipelines and a pipeline system realization in accordanc with said method. 4,835,687, 5-30-89, Cl. 364-402.000.
Martin, Jean-Michel: *See—*
Marotel, Yves; Hurier, Francis; Mansot, Jean-Louis; and Marti Jean-Michel, 4,824,585, Cl. 252-39.000.
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Martin, Jerold: *See—*
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Martin, Joe C., III: *See—*
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Martin, John, to S. C. Johnson & Son, Inc. Support device for combus ble package containing a heat-dispersible material and a combustib material. 4,839,144, 6-13-89, Cl. 422-305.000.
Martin, John: *See—*
Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashins Stanley J., 4,823,506, Cl. 43-131.000.
Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashins Stanley J., 4,841,669, Cl. 43-131.000.
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Martin, John B., Jr.: *See—*
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Martin, John C., to British Aerospace Public Limited Company. Ad justable seating arrangement for aircraft. 4,856,738, 8-15-89, C 244-122.00R.
Martin, John C., to Diesel Equipment Limited. Control system fo vehicles. 4,865,389, 9-12-89, Cl. 298-22.00C.
Martin, John C.; and Buican, Tudor N., to United States of America Energy. Laser particle sorter. 4,887,721, 12-19-89, Cl. 209-579.000
Martin, John C.: *See—*
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Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., 4,865,07 Cl. 137-879.000.
Verheyden, Julien P. H.; and Martin, John C., 4,803,271, C 544-276.000.
Martin, John F.: *See—*
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Martin, John J.: *See—*
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Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nas Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, Ger man E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.
Martin, John R.; and Anderson, Richard A., to Foxboro Company The. Compliant diaphragm material. 4,837,068, 6-6-89, C 428-133.000.
Martin, John R.; and Carlson, Donald E., to Martin Automatic, Inc In-register web splicer. 4,859,270, 8-22-89, Cl. 156-361.000.
Martin, John R.: *See—*
Wheeler, Roger R.; and Martin, John R., 4,801,342, Cl. 156-159.000.
Wheeler, Roger R.; and Martin, John R., 4,856,960, Cl. 414-684.000.
Martin, John S.: *See—*
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Martin, John W.: *See—*
Bryan, David E.; Dudding, Carl M.; and Martin, John W., 4,888,990, Cl. 73-326.000.
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Martin, Joseph A.: *See—*
Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,851,519, Cl. 536-23.000.
Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,882,316, Cl. 514-49.000.
Lambert, Robert W.; Martin, Joseph A.; and Thomas, Gareth J., 4,886,785, Cl. 514-50.000.
Martin, Joseph H.; and Hammons, Carl A. Timekeeping system. 4,847,791, 7-11-89, Cl. 364-554.000.
Martin, Keith F., to Netlon Limited. Drainage material and drainage core for a drainage system. 4,815,892, 3-28-89, Cl. 405-45.000.
Martin, Kelly D., to INA Bearing Co., Inc. Tensioning device for timing belt or chain in automotive engine applications. 4,822,322, 4-18-89, Cl. 474-135.000.
Martin, Kelly D., to INA Bearing Co., Inc. Belt tensioning apparatus. 4,834,694, 5-30-89, Cl. 474-135.000.
Martin, Kenneth B., to Blount, Inc. Saw chain with wrap-over depth gauge. 4,841,825, 6-27-89, Cl. 83-833.000.
Martin, Kirk A.: *See—*
Brown, Thomas A.; and Martin, Kirk A., 4,796,167, Cl. 362-158.000.
Martin, Kurt, to R. Nussbaum AG. Device for damping pressure surges in pipelines, especially sanitary installations. 4,821,777, 4-18-89, Cl. 138-30.000.
Martin, Larry R., to Avantek, Inc. Low noise frequency synthesizer. 4,851,787, 7-25-89, Cl. 331-1.00A.
Martin, Lawrence L.; Worm, Manfred; and Crichlow, Charles A., to Hoechst-Roussel Pharmaceuticals, Inc. 2-amino-N-methyl-α-phenylphenethylamines. 4,822,914, 4-18-89, Cl. 564-373.000.
Martin, Lawrence L., to Hoechst-Roussel Pharmaceuticals, Inc. Enhancing cholinergic activity with 5-substituted 1-[4-(1-pyrrolidinyl)-2-butynyl]-2-pyrrolidinones and related compounds. 4,833,139, 5-23-89, Cl. 514-227.800.
Martin, Lawrence L.; Worm, Manfred; and Crishlow, Charles A., to Hoechst-Roussel Pharmaceuticals, Inc. α-(2-nitro-phenylmethyl)-benzylamines. 4,855,502, 8-8-89, Cl. 564-373.000.
Martin, Leslie L., Jr., to Potlatch Corporation. Paper laminate and method for producing the laminate and paperboard containers. 4,806,398, 2-21-89, Cl. 428-34.200.
Martin, Manuel F., to Mecanismos Auxiliares Industriales, SA -M.A-.I.S.A. Switch. 4,837,410, 6-6-89, Cl. 200-5.00R.
Martin, Marc J.: *See—*
Frankel, Robert D.; Martin, Marc J.; Baker, David G.; and Duft, Thomas L., 4,870,668, Cl. 378-34.000.
Martin, Marcus C., Jr.: *See—*
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Martin Marietta Corporation: *See—*
Amatangelo, Matthew J., 4,845,388, Cl. 307-475.000.
Brupbacher, John M.; Christodoulou, Leontios; and Nagle, Dennis C., 4,836,982, Cl. 420-129.000.
Buna, Tibor; and Miller, William H., 4,799,541, Cl. 165-78.000.
Christodoulou, Leontios; Nagle, Dennis C.; and Brupbacher, John M., 4,800,065, Cl. 420-129.000.
Frazier, Claude C.; Guha, Shekhar; and Chen, Wenpeng, 4,879,479, Cl. 307-425.000.
Frohardt, Melvin W.; Hartz, Keith H.; and Hardee, Patrick C., deceased, 4,887,589, Cl. 126-418.000.
Kumar, K. Sharvan; and Precht, Walter, 4,865,666, Cl. 148-437.000.
Padera, Charles J., 4,828,376, Cl. 350-500.000.
Pergande, Albert N., 4,811,426, Cl. 455-327.000.
Sequeira, Hermann B., 4,835,500, Cl. 333-258.000.
Sequeira, Hermann B., 4,835,543, Cl. 343-785.000.
Sequeira, Hermann B., 4,843,353, Cl. 333-34.000.
Sequeira, Hermann B.; Trippe, Michael W.; and Jakhete, Rajendra S., 4,853,613, Cl. 324-58.00R.
Tadros, Maher E., 4,883,541, Cl. 134-3.000.
Van de Walle, Richard H., 4,834,957, Cl. 423-268.000.
Verneker, Vencatesh R. P., 4,824,495, Cl. 149-7.000.
Martin Marietta Energy Systems, Inc.: *See—*
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Boatner, Lynn A.; and Sales, Brian C., 4,847,219, Cl. 501-27.000.
Burtis, Carl A.; and Johnson, Wayne F., 4,847,205, Cl. 436-45.000.
DeVault, Robert C.; and Biermann, Wendell J., 4,827,728, Cl. 62-79.000.
Johnson, Wayne F.; Burtis, Carl A.; and Walker, William A., 4,835,106, Cl. 436-45.000.
Kerr, Howard T.; Buchanan, Michael E.; and Valentine, Kenneth H., 4,876,721, Cl. 358-56.000.
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McLuckey, Scott A.; and Glish, Gary L., 4,849,628, Cl. 250-282.000.
Martin, Marvin R.: *See—*
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Martin, Mary A. Garment for controlling hand-activity. 4,815,480, 3-28-89, Cl. 128-879.000.
Martin, Mary Ann. Method of making an enclosed sleeve. 4,860,386, 8-29-89, Cl. 2-243.00R.
Martin, Mary B.: *See—*
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Martin, Mary S.; Puckett, Harley D., Jr.; and Scrutchin, Thomas W., Jr., to International Business Machines Corporation. Apparatus and method for system printing mode control. 4,870,611, 9-26-89, Cl. 364-900.000.
Martin, Matt, to Lumex, Inc. Dynamometer for testing eccentric contractions and concentric contractions with free-limb acceleration. 4,885,939, 12-12-89, Cl. 73-379.000.
Martin, Maurice. Shooters head immobilizing apparatus. 4,852,287, 8-1-89, Cl. 42-90.000.
Martin Medical, Inc.: *See—*
Nelson, Tom W.; Workman, James P.; and Taylor, Daniel K., 4,845,815, Cl. 28-295.000.
Martin Merkel GmbH & Co KG: *See—*
Muller, Heinz K., 4,889,349, Cl. 277-85.000.
Martin, Merrill D. Sheet stacking machine. 4,805,890, 2-21-89, Cl. 271-203.000.
Martin, Merrill D. Sheet stacking machine. 4,861,014, 8-29-89, Cl. 271-198.000.
Martin, Michael, to Herter Rotor Marketing Division & Co. Beteiligungsgesellschaft mbH. Wind-energy converter. 4,799,860, 1-24-89, Cl. 416-119.000.
Martin, Michael A. Game apparatus. 4,872,681, 10-10-89, Cl. 273-118.00R.
Martin, Michael C.; McCracken, Beth E.; and Gulko, George M., to Texaco, Inc. Synthetic gas cooler with thermal protection. 4,876,987, 10-31-89, Cl. 122-504.200.
Martin, Michael L.: *See—*
Fields, Larry R.; Martin, Michael L.; and Morris, Merle E., 4,868,451, Cl. 313-279.000.
Martin, Michael S., to Soudronic AG. Apparatus for examining objects. 4,858,156, 8-15-89, Cl. 364-560.000.
Martin, Michelle: *See—*
Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
Martin, Patrick G., to Sulzer Brothers Limited. Ship having a stern screw and a method of operating the ship. 4,843,993, 7-4-89, Cl. 114-125.000.
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Martin, Paul D. Combination bow sight. 4,794,702, 1-3-89, Cl. 33-265.000.
Martin, Paul F.; and Swick, Carl D., to Harnischfeger Corporation. Support assembly for a dragline bucket. 4,864,747, 9-12-89, Cl. 37-115.000.
Martin, Paul H., to Diesel Equipment Limited. Safety system for preventing the unauthorized use of powered liftgates. 4,825,190, 4-25-89, Cl. 340-471.000.
Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., to Diesel Equipment Limited. High pressure hydraulic flow control valve. 4,825,909, 5-2-89, Cl. 137-879.000.
Martin, Paul H.; Martin, John C.; and Furzer, Roy G. R., to Diesel Equipment Limited. High pressure hydraulic flow control valve. 4,865,079, 9-12-89, Cl. 137-879.000.
Martin, Paul H.: *See—*
Ballyns, Jan; Martin, Paul H.; and Martin, John C., 4,860,813, Cl. 160-188.000.
Martin, Peter; Singenberger, Hansjorg; and Lechleitner, Viktor, to Ciba-Geigy Corporation. Apparatus for conveying panels. 4,848,533, 7-18-89, Cl. 198-470.100.
Martin, Peter D., to Engineered Air Systems, Inc. Gas turbine engine bleed control system. 4,815,285, 3-28-89, Cl. 60-39.290.
Martin, Philip N. Seismic energy source. 4,867,266, 9-19-89, Cl. 181-106.000.
Martin, Philippe: *See—*
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Martin, Phillip C.; and Linden, Carl R. V., to Manville Corporation. Pipe insulation. 4,823,845, 4-25-89, Cl. 138-149.000.
Martin, Pierre, to Ciba-Geigy Corporation. Process for the preparation of 4-phenylpyrrole derivatives. 4,812,580, 3-14-89, Cl. 548-561.000.
Martin, Pierre; and Lang, Robert W., to Ciba-Geigy Corporation. Novel production processes. 4,822,919, 4-18-89, Cl. 568-308.000.
Martin, Pierre; and Lang, Robert W., to Ciba-Geigy Corporation. Pesticidal compositions containing 3-phenylpyrrole derivatives. 4,868,202, 9-19-89, Cl. 514-423.000.

Martin, R. Craig; and Woodson, Jerry P., to Whitemetal Inc. Water/abrasive propulsion chamber. 4,817,342, 4-4-89, Cl. 51-439.000.
Martin, R. Craig, to JM Industries, Inc. Advertising display unit for a public telephone. 4,845,869, 7-11-89, Cl. 40-584.000.
Martin, R. Craig: *See—*
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Martin, Randolph L. Cooled headwear. 4,815,144, 3-28-89, Cl. 2-7.000.
Martin, Raymond G., to Westinghouse Electric Corp. Discrete source location by adaptive antenna techniques. 4,862,180, 8-29-89, Cl. 342-417.000.
Martin, Raymond G.: *See—*
  Gehman, Roland P.; and Martin, Raymond G., 4,838,753, Cl. 414-563.000.
Martin, Richard H., to P. H. Glatfelter Company. Smoking article wrapper and method of making same. 4,881,557, 11-21-89, Cl. 131-365.000.
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Martin, Richard L., Jr.: *See—*
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Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., to Kuhlman Corporation. Formed metal core blocking. 4,833,436, 5-23-89, Cl. 336-60.000.
Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., to Kuhlman Corporation. Formed metal core blocking method. 4,875,277, 10-24-89, Cl. 29-606.000.
Martin, Robert G.; and Swanton, Paul C., to Xerox Corporation. Filament wound foil fusing system. 4,883,941, 11-28-89, Cl. 219-216.000.
Martin, Robert G.: *See—*
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Martin, Robert L.; Rajaratnam, M. Martha; and Turci, Pamela, to Shipley Company Inc. Photoactive esterification product of a diazooxide compound and a curcumin dye and photoresist materials with product. 4,818,658, 4-4-89, Cl. 430-156.000.
Martin, Robert L. Automated lawn mower or floor polisher. 4,887,415, 12-19-89, Cl. 56-10.200.
Martin, Roger: *See—*
  Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger; and Luisoli, Reto, 4,874,885, Cl. 560-15.000.
Martin, Roger J., to Diesel Equipment Limited. Method and apparatus for manufacturing truck bodies. 4,799,873, 1-24-89, Cl. 425-73.000.
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  Vela, Leo; Sasser, Thurman; and Martin, Roger L., 4,882,724, Cl. 364-401.000.
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  King, Francis D.; Hadley, Michael S.; and Martin, Roger T., 4,826,839, Cl. 514-214.000.
  King, Francis D.; Martin, Roger T.; and Watts, Eric A., 4,853,394, Cl. 514-329.000.
  King, Francis D.; Hadley, Michael S.; and Martin, Roger T., 4,883,874, Cl. 544-47.000.
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Martin, Ronald L., to Honeywell Inc. Combination drill and screwdriver. 4,852,196, 8-1-89, Cl. 7-165.000.
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Martin, Roy E.; Parr, John H.; and McCullah, C. Gray. Safety pillow for preventing smoke inhalation. 4,854,314, 8-8-89, Cl. 128-205.270.
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Martin, Samuel W. Buckle chute paper folding apparatus. 4,834,699, 5-30-89, Cl. 493-421.000.
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Martin, Shirley J.: *See—*
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  Howard, Billy G., 4,822,216, Cl. 408-54.000.
  Howard, Billy G., 4,853,180, Cl. 419-66.000.
Martin, Stephen J.; and Worden, Raymond D., to Ruska Laboratories, Inc. Apparatus for determining chemical structure. 4,842,825, 6-27-89, Cl. 422-80.000.
Martin, Terry G., to Martin Archery, Inc. Archery bow with slotted bow handle and attachment recess. 4,889,102, 12-26-89, Cl. 124-88.000.
Martin, Thomas B.; Rabiner, Lawrence R.; and Wilpon, Jay G., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Endpoint detector. 4,821,325, 4-11-89, Cl. 381-46.000.
Martin, Thomas B.: *See—*
  Pieters, Ferdinandus A.; and Martin, Thomas B., 4,846,641, Cl. 418-70.000.
Martin, Thomas E.: *See—*
  Barnes, Christine B.; Martin, Thomas E.; and Nardis, Fran 4,821,760, Cl. 137-82.000.
Martin, Timothy J.: *See—*
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  Vu, Cung; Martin, Timothy J.; Gillanders, Andrew M.; and S Bassam, 4,877,829, Cl. 524-729.000.
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Martin, Trevor I.; Breton, Marcel P.; Branston, Randolph E.; Mc Karen A.; and Mychajlowskij, Walter, to Xerox Corporation. L melting encapsulated toners. 4,855,209, 8-8-89, Cl. 430-126.000.
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  Mahabadi, Hadi K.; Ng, Tie H.; Listigovers, Nancy A.; and Ma Trevor I., 4,877,706, Cl. 430-106.600.
Martin, Wayne A. Tungsten-halogen heater. 4,797,535, 1-10-89, 219-338.000.
Martin, William B., to Allied-Signal Inc. Compound planetary assembly. 4,825,723, 5-2-89, Cl. 74-705.000.
Martin, William C.; and Rohrer, Gene D., to International Bus Machines Corporation. Method and apparatus for character recog tion systems. 4,876,735, 10-24-89, Cl. 382-57.000.
Martin, William E. Lock impressioning key. 4,817,406, 4-4-89, 70-394.000.
Martin, William G.: *See—*
  Montgomery, Terry G.; and Martin, William G., 4,860,530, 57-5.000.
Martin, Wulf: *See—*
  Kogler, Peter; Scheiber, Berthold; Martin, Wulf; and Wr Herwig, 4,805,963, Cl. 299-33.000.
Martincic, Paul W.: *See—*
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Martindale, Alan C., to Bur-Mar Industries, Inc. Apparatus for m rough-sided lumber from surfaced lumber. 4,844,134, 7-4-89, 144-2.00R.
Martindale, David C.; Andermann, Ronald E.; and Mowry, John R. UOP Inc. Process for conversion of light olefins to LPG and aro ics. 4,795,844, 1-3-89, Cl. 585-415.000.
Martindale, David C.; Kocal, Joseph A.; and Chao, Tai-Hsiang, to U Inc. Regeneration of dehydrocyclodimerization catalyst. 4,795, 1-3-89, Cl. 585-415.000.
Martindale, David C., to UOP Inc. Production of benzene from li hydrocarbons. 4,806,700, 2-21-89, Cl. 585-322.000.
Martindale, David C., to UOP. Process for the production of arom hydrocarbons from olefinic hydrocarbons. 4,885,420, 12-5-89, 585-322.000.
Martindale, Robert G.: *See—*
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Martindell, J. Richard. Storage and display apparatus for power 4,880,122, 11-14-89, Cl. 211-70.600.
Martinelli, Michael A.; and von Thuna, Peter, to Intra-Sonix, I Acoustic image system and method. 4,821,731, 4-18-89, 128-662.060.
Martinelli, Michael A., to Intra-Sonix, Inc. Ultrasonic transdu 4,862,893, 9-5-89, Cl. 128-662.030.
Martinen, Hinrich; Simonsson, Samuel; and Wirth, Peter, to Rofin-S Laser GmbH. Gas laser with high-frequency excitation. 4,807,2 2-21-89, Cl. 372-33.000.
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Martinetti, Bruno. Universal switch with integral contact 4,827,096, 5-2-89, Cl. 200-275.000.
Martinetto, Cosimo: *See—*
  Pell, Donald M.; and Martinetto, Cosimo, 4,850,348, 128-207.150.
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Martinez, Alberto. Magnetic nail holding device. 4,829,855, 5-16-89, 81-44.000.
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Martinez, Aldo A., to Racal Data Communications Inc. Method apparatus for equalization of data transmission system. 4,797, 1-10-89, Cl. 375-7.000.
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Martinez, Andre M.: *See—*
  Ramesh, Subramanian; and Martinez, Andre M., 4,795,679, 428-428.000.
Martinez, Antonio, to Argo Instruments Inc. Vehicle and dist indicator therefor. 4,882,570, 11-21-89, Cl. 340-574.000.
Martinez, Antonio, Jr., to Atel Corporation. Dolly for support objects with adjustable height and inclination. 4,886,284, 12-12-89, 280-43.120.

Martinez, Beatrice E. Disposable container with foldable spout. 4,886,206, 12-12-89, Cl. 229-123.100.
Martinez, Daniel M. Socket drive and socket with stable universal coupling. 4,807,499, 2-28-89, Cl. 81-177.750.
Martinez, David M.; and Campbell, Gordon C., to Robert Bosch Power Tool Corporation. Saber saw. 4,884,344, 12-5-89, Cl. 30-394.000.
Martinez, David R.: *See—*
  Crews, Gary A.; and Martinez, David R., 4,890,264, Cl. 367-45.000.
Martinez, David V.: *See—*
  Smith, Wayne G.; Martinez, David V.; Mozingo, Robert E.; and Hanson, Charles B., 4,854,812, Cl. 414-723.000.
  Smith, Wayne G.; Martinez, David V.; Mozingo, Robert E.; and Hanson, Charles B., 4,854,814, Cl. 414-723.000.
Martinez, Dennis M.; and Lim, Jae S., to Massachusetts Institute of Technology. Methods and apparatus for motion estimation in motion picture processing. 4,838,685, 6-13-89, Cl. 352-85.000.
Martinez, Donald L.; and Martinez, Solomon C. Self-contained cleaning system. 4,862,551, 9-5-89, Cl. 15-321.000.
Martinez, Eduardo S. Board game apparatus for a banking game. 4,799,686, 1-24-89, Cl. 273-249.000.
Martinez, Eloy C., to Dow Chemical Company, The. Reinforced polymer compositions having excellent distinctness of image. 4,871,789, 10-3-89, Cl. 523-220.000.
Martinez, Felix J.: *See—*
  Irmiter, Richard J.; Fuller, Larry E.; and Martinez, Felix J., 4,863,452, Cl. 604-408.000.
Martinez, George, Jr. Method and apparatus for saving energy in an air conditioning system. 4,817,395, 4-4-89, Cl. 62-175.000.
Martinez-Gomez, Gregorio: *See—*
  Carmona, Angel G.; and Martinez-Gomez, Gregorio, 4,848,002, Cl. 33-364.000.
Martinez, Guillermo, Jr.: *See—*
  Preslicka, Alan J.; Martinez, Guillermo, Jr.; and Sommerio, James, 4,822,072, Cl. 280-668.000.
Martinez, Guillermo J.: *See—*
  Daily, Jeffrey N.; Orr, Bruce B.; and Martinez, Guillermo J., 4,848,927, Cl. 374-208.000.
Martinez, Herman: *See—*
  Padilla, Edward; and Martinez, Herman, 4,819,135, Cl. 362-72.000.
Martinez, Kenneth: *See—*
  Betts, William L.; and Martinez, Kenneth, 4,796,279, Cl. 375-39.000.
Martinez Llaneza, Manuel, to Ivestronica, S.A. Microprocessor-controlled system of aerial transport for industrial installations. 4,807,536, 2-28-89, Cl. 104-88.000.
Martinez, Mario J., to Elgin Sweeper Company. Central rotating terminal for vehicles. 4,802,549, 2-7-89, Cl. 180-322.000.
Martinez, Miquel. Fiber optic illuminator for use in surgery. 4,870,952, 10-3-89, Cl. 128-23.000.
Martinez, Nelson P.; Velasquez, Jose R.; and Lujano, Juan A., to Intevep, S.A. Cracking heavy hydrocarbon feedstocks with a catalyst comprising an anatase vanadium passivating agent. 4,816,135, 3-28-89, Cl. 208-120.000.
Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos, to Intevep, S.A. Mild hydrocracking catalyst for the production of middle distillates. 4,857,494, 8-15-89, Cl. 502-210.000.
Martinez, Ozzie: *See—*
  Jennings, Homer F.; and Martinez, Ozzie, 4,822,035, Cl. 272-123.000.
Martinez, Robert A. Door structure for garage doorways. 4,828,004, 5-9-89, Cl. 160-229.100.
Martinez, Robert G.; Treybig, Duane S.; and Glass, Terry W., to Dow Chemical Company, The. Corrosion inhibitors. 4,837,323, 6-6-89, Cl. 544-242.000.
Martinez, Robert G.: *See—*
  Treybig, Duane S.; and Martinez, Robert G., 4,871,848, Cl. 544-224.000.
Martinez, Rodolphe: *See—*
  Barbier, Gerard Y. G.; Bayle-Labouré, Gerard J. P.; Desaulty, Michel A. A.; Martinez, Rodolphe; and Perigne, Jerome, 4,809,512, Cl. 60-748.000.
  Mandet, Gerard M. F.; and Martinez, Rodolphe, 4,825,641, Cl. 60-39.230.
Martinez, Romulo M.: *See—*
  Norris, Brian; Martinez, Romulo M.; and Gojny, Francis J., 4,869,421, Cl. 228-181.000.
Martinez, Solomon C.: *See—*
  Martinez, Donald L.; and Martinez, Solomon C., 4,862,551, Cl. 15-321.000.
Martinez-Vera, Enrique R.; and Becerra-Novoa, Jorge O., to Hylsa, S.A. de C.V. Start-up method for a direct reduction process without an external reformer. 4,880,458, 11-14-89, Cl. 75-35.000.
Martinez-Vera, Ruben. Method and apparatus for conversion of a standard automobile top to a detached roof and/or T-top model. 4,821,394, 4-18-89, Cl. 29-401.100.
Martini, Francesco; Perazzo, Luigi; and Vietto, Paolo, to W. R. Grace & Co.-Conn. Sheets materials of HB polymers. 4,826,493, 5-2-89, Cl. 604-327.000.
Martini, Francesco; Perazzo, Luigi; and Vietto, Paolo, to W. R. Grace & Co.-Conn. Manufacture of polymeric products. 4,880,592, 11-14-89, Cl. 264-514.000.
Martini, James A.: *See—*
  Westfall, Norman R.; Martini, James A.; and Habbersett, John I., 4,799,333, Cl. 49-446.000.
  Westfall, Norman R.; Martini, James A.; and Habbersett, John I., 4,885,871, Cl. 49-176.000.
Martini, Leonard J., to United States of America, Navy. Scuttle valve. 4,846,209, 7-11-89, Cl. 137-68.200.
Martini, M. Vey. Quickly adjustable stirrup buckle. 4,881,303, 11-21-89, Cl. 24-170.000.
Martini, Norbert; and Naudascher, Peter, to Jagenberg Aktiengesellschaft. Method and apparatus for stacking sheets conveyed continuously to a stacking point. 4,796,879, 1-10-89, Cl. 271-218.000.
Martini, Stefan: *See—*
  Hagin, Faust; Drewitz, Hans; and Martini, Stefan, 4,825,722, Cl. 74-687.000.
Martini, Thomas: *See—*
  Schinzel, Erich; and Martini, Thomas, 4,814,453, Cl. 546-98.000.
Martinic, Jack, to Allied-Signal Inc. Integrated three-way and isolation solenoid valve. 4,844,119, 7-4-89, Cl. 137-596.170.
Martinie, Howard M.: *See—*
  Nisley, Donald L.; and Martinie, Howard M., 4,832,511, Cl. 384-480.000.
Martinka, Mark A.: *See—*
  Cooper, Bret A.; Havanas, William H.; Lanning, Thomas R.; and Martinka, Mark A., 4,866,763, Cl. 379-221.000.
Martinmaas, Werner W. Sail rig for a wind propelled vehicle. 4,809,629, 3-7-89, Cl. 114-39.100.
Martino, Gary T.: *See—*
  Jobe, Patrick G.; Lamb, Diane J.; and Martino, Gary T., 4,801,699, Cl. 536-59.000.
Martino, Germain: *See—*
  Trinh, Dinh Chan; Desvard, Alain; and Martino, Germain, 4,830,997, Cl. 502-28.000.
Martinola, Friedrich: *See—*
  Oeckl, Siegfried; Martinola, Friedrich; and Thomas, Paul, 4,853,135, Cl. 210-757.000.
Martinolich, James J.: *See—*
  Balopole, Harvey L.; Martinolich, James J.; Roberts, Arthur; and Sadowski, Henry W., 4,839,726, Cl. 358-166.000.
Martinou, Robert L.; and Ruimi, Michel M., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Formation of protective coatings by electrolytic codeposition of a nickel-cobalt matrix and ceramic particles. 4,886,583, 12-12-89, Cl. 204-16.000.
Martinou, Robert L.; and Ruimi, Michel M., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Electrolytic process for applying thin silver coatings to stainless steel, particularly in bearing races. 4,886,585, 12-12-89, Cl. 204-23.000.
Martinovich, Robert J.; and Leland, John E., to Phillips Petroleum Company. Zinc titanate in poly(arylene sulfide) compositions. 4,888,227, 12-19-89, Cl. 428-76.000.
Martinovich, Robert J.: *See—*
  Leland, John E.; and Martinovich, Robert J., 4,798,863, Cl. 524-413.000.
Martinsen, Egil, to Kr. Larsen Sveiseverksted A/S. Trailer. 4,826,385, 5-2-89, Cl. 414-373.000.
Martinsen, Finn, to Finn Martinsen A/S. Device for extension of aluminum ducts. 4,871,145, 10-3-89, Cl. 254-199.000.
Martinsen, Stewart, to Dynatec International, Inc. Vest-saddle toy. 4,848,067, 7-18-89, Cl. 54-44.000.
Martinson, Mart: *See—*
  Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart, 4,859,991, Cl. 340-572.000.
Martinsson, Lars M. R. Supporting arrangement for a mast on a vehicle. 4,871,103, 10-3-89, Cl. 224-310.000.
Martinsteg, Hans: *See—*
  Dillmann, Hans-Georg; and Martinsteg, Hans, 4,865,803, Cl. 376-314.000.
Martinus, Janis A.: *See—*
  Byrnes, Paul J.; Molina, Cynthia M.; Martinus, Janis A.; Vaughan, Kenward S.; and Smith, Catherine M., 4,868,132, Cl. 436-546.000.
Martinval, Andre. Toilet apparatus with device for washing, disinfecting and drying toilet seats. 4,853,982, 8-8-89, Cl. 4-233.000.
Martiny, Ingo A., to U.S. Philips Corporation. Circuit for converting tri-state signals into binary signals. 4,797,581, 1-10-89, Cl. 307-475.000.
Martirosian, Ruben G.: *See—*
  Afian, Viktor V.; Vartanian, Albert V.; Martirosian, Ruben G.; Ryabikov, Stanislav V.; Strebkov, Dmitry S.; and Tveryanovich, Eduard V., 4,863,224, Cl. 350-3.700.
Martischius, Franz-Dieter; Oppenlaender, Knut; and Vogel, Hans-Henning, to BASF Aktiengesellschaft. Fuels for Otto engines. 4,871,375, 10-3-89, Cl. 44-71.000.
Martner, John G.; Gardner, William R.; and Maltsev, Viasheslav B., to Dataproducts Corporation. Ink jet apparatus employing plate-like structure. 4,823,149, 4-18-89, Cl. 346-140.00R.
Martoccia, Nicola: *See—*
  Cristiani, Marcello; and Martoccia, Nicola, 4,834,295, Cl. 239-585.000.
Marton, Bela I., to Texas Instruments Incorporated. Scalar magnetometer with vector capabilities. 4,814,707, 3-21-89, Cl. 324-304.000.
Marton, Jeno: *See—*
  Knoll, Jozsef; Birkmayer, Walter; Kalloy, Katalin; Marton, Jeno; and Ecsery, Zoltan, 4,880,833, Cl. 514-565.000.
  Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy,

Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.

Szentmiklosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, 4,814,336, Cl. 514-263.000.

Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.

Marton, Joseph S. Apparatus for back lighting marble for decorative furniture items. 4,812,954, 3-14-89, Cl. 362-134.000.

Marton, Joseph S. Apparatus for holding and retaining a ladder. 4,836,493, 6-6-89, Cl. 248-558.000.

Marton, Lewis, to Atlas Air (Australia) Pty, Limited. Humidifier having a heating chamber with a continuously open drain and flushing outlet. 4,841,122, 6-20-89, Cl. 219-273.000.

Marton, Mihaly: *See—*

Odor, Gyula; Csapo, Frigyes; Szabo, Bela; Szucs, Lajos; Marton, Mihaly; Steiner, Janso; Revesz, Laszlo; Toth, Ferenc; and Weiszengruber, Ferenc, 4,816,142, Cl. 209-3.000.

Martone, David M. Expandable container frame. 4,815,866, 3-28-89, Cl. 383-34.100.

Martone, Louis C.; Burkholder, Robert F.; Asbjornsen, Lars F.; and Cavada, Luis O., to Black & Decker, Inc. Intelligent coffee brewing system. 4,833,978, 5-30-89, Cl. 99-280.000.

Martone, Louis C.: *See—*

Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,827,837, Cl. 99-280.000.

Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,872,402, Cl. 99-280.000.

Martor-Argentax E.H. Beermann KG: *See—*

Beermann, Ewald H., 4,837,931, Cl. 30-92.000.

Knoop, Heinz-Peter, 4,835,865, Cl. 30-162.000.

Martor-Ragentax E.H. Beermann KG: *See—*

Knoop, Heinz-Peter, 4,805,304, Cl. 30-162.000.

Martorana, Piero: *See—*

Ruger, Wolfgang; Driesen, Gerd; Bohn, Helmut; and Martorana, Piero, 4,845,099, Cl. 514-253.000.

Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.

Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.

Zoller, Gerhard; Beyerle, Rudi; Schindler, Ursula; Nitz, Rolf-Eberhard; and Martorana, Piero, 4,837,225, Cl. 514-427.000.

Martorell, D. Aurelio T., to Geiver, S.A. Portable vibrating apparatus for the collection of fruits. 4,873,820, 10-17-89, Cl. 56-340.100.

Martorella, Romeo P.; and Chin, Jimmie, to Grumman Aerospace Corporation. Flight control optimization system for multi-control surface aircraft. 4,797,829, 1-10-89, Cl. 364-434.000.

Martos, Jesus J.: *See—*

Felker, Michael A.; Viverito, Angelo N.; Gilstrap, John W.; Martos, Jesus J.; Trujillo, Ruben; and Wang, Chang J., 4,890,278, Cl. 370-17.000.

Martstiller, John A.: *See—*

Grise, Frederick G. J.; Martstiller, John A.; and Bodensiek, Paul H., 4,849,255, Cl. 427-122.000.

Martt, Judson F.: *See—*

Watkins, Donald M.; Huggett, Tryon V.; and Martt, Judson F., 4,878,551, Cl. 177-139.000.

Marttinen, Tapio: *See—*

Luukkala, Mauri; and Marttinen, Tapio, 4,833,928, Cl. 73-862.390.

Martucci, Susan L. K.: *See—*

Suskind, Stuart P.; Martucci, Susan L. K.; and Israel, Joseph, 4,808,467, Cl. 428-284.000.

Martukanitz, Richard P., to Aluminum Company of America. Method for welding aluminum-magnesium-silicon-copper alloys. 4,843,211, 6-27-89, Cl. 219-137.0WM.

Martukanitz, Richard P.: *See—*

Gentry, Rebecca A.; and Martukanitz, Richard P., 4,848,647, Cl. 228-263.170.

Marty, Garry R., to Masco Corporation of Indiana. Brush and scraper attachment for faucet spray handle. 4,812,070, 3-14-89, Cl. 401-289.000.

Marty, Jean P.: *See—*

Cormier, Michel J. N.; Ledger, Philip W.; Amkraut, Alfred; and Marty, Jean P., 4,885,154, Cl. 424-10.000.

Marty, Jean-Pierre, to Roussel Uclaf. Novel cosmetic compositions. 4,814,171, 3-21-89, Cl. 424-95.000.

Marty, Steven J.: *See—*

Corniea, Donald G.; Marty, Steven J.; and McCaleb, David E., 4,869,397, Cl. 222-63.000.

Martyak, Nicholas M., to M&T Chemicals Inc. Electroplating bath and process for depositing functional, at high efficiencies, chromium which is bright and smooth. 4,810,336, 3-7-89, Cl. 204-51.000.

Martyn, Paul P.: *See—*

Albert, Robert J.; and Martyn, Paul P., 4,794,940, Cl. 137-1.000.

Martyr, David R., to British Shipbuilders. Laser beam welding. 4,866,242, 9-12-89, Cl. 219-121.640.

Martz, Dowell E.: *See—*

Becker, Gregory K.; and Martz, Dowell E., 4,888,485, Cl. 250-370.060.

Martz, Joel D. Vapor permeable dressing. 4,846,164, 7-11-89, Cl. 128-155.000.

Martz Jonathan T.; O'Dwyer, James B.; Thomas, Stephen J.; and Claar, James A., to PPG Industries, Inc. Non-yellowing coating composition based on a hydroxy component and an anhydride co ponent and utilization in a process of coating. 4,798,745, 1-17-89, 427-407.100.

Martz, Martin G. Orthodonture appliance which may be manu installed and removed by the patient. 4,880,380, 11-14-89, 433-11.000.

Martz, Mitchell R. Valved oil pan plug. 4,807,847, 2-28-89, 251-144.000.

Martz, William M.: *See—*

Venditti, Arthur P.; and Martz, William M., 4,798,016, 40-334.000.

Maruemu Seisakusho Co., Ltd.: *See—*

Hashimoto, Kenzaburo, 4,887,951, Cl. 411-371.000.

Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, shiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; Nobumasa, Furuya, to Fuji Xerox Co., Ltd. Electrophotog image recording method. 4,882,247, 11-21-89, Cl. 430-45.000.

Marugg, J. E.; Gansow, Michael A. P.; and Thoen, J. A., to D Chemical Company, The. Tertiary amine-containing polyols pared in a mannich condensation reaction using a mixture of alka mines. 4,883,826, 11-28-89, Cl. 521-164.000.

Marugo Rubber Industries, Ltd.: *See—*

Yokota, Motoyuki; Tanabe, Mamoru; and Fujiki, Tatsuo, 4,861, Cl. 267-140.100.

Maruhashi, Hideki: *See—*

Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruha Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, 123-617.000.

Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizu Yohji; and Kishida, Nobuhiro, to Toyo Seikan Kaisha, Ltd. Proc for blow-molding and heat setting of polyester hollow formed bo 4,803,036, 2-7-89, Cl. 264-526.000.

Marui, Kuniyoshi, to Kabushiki Kaisha Toshiba. Automatic answe telephone with memory storage having storage indication and alarm. 4,803,717, 2-7-89, Cl. 379-67.000.

Maruido, Hiroki: *See—*

Yanaru, Hirofumi; and Maruido, Hiroki, 4,843,593, Cl. 364-900.

Maruishi Seiyaku Kabushiki Kaisha: *See—*

Sato, Nobukatsu; Kuriyama, Haruo; and Agoh, Masa 4,818,761, Cl. 514-341.000.

Marukado, Kazuhisa: *See—*

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Marukawa, Kiichi: *See—*

Nakamura, Yoshiaki; Marukawa, Kiichi; and Nagaki, Kazuyo 4,841,022, Cl. 528-487.000.

Maruko, Saburo, to Nippon Chemical Plant Consultant Co., Ltd. infrared radiating system. 4,798,192, 1-17-89, Cl. 126-91.00A.

Marulic, Walter J.; and Smith, Kenneth H., to Thrall Car Manufac ing Company. Single axle railroad truck with frame improve 4,813,359, 3-21-89, Cl. 105-199.500

Marulic, Walter J. Gutter anti-clogging device. 4,888,920, 12-26-89, 52-12.000.

Marum, John R., to TRW Inc. Redundancy system with distrib mapping. 4,800,302, 1-24-89, Cl. 307-441.000.

Maruma Jyusharyo Kabushiki Kaisha: *See—*

Moriki, Yasumitsu; Numakura, Hirotomo; and Sakurai, Masa 4,805,826, Cl. 228-18.000.

Moriki, Yasumitsu, 4,869,417, Cl. 228-7.000.

Moriki, Yasumitsu; and Numakura, Hirotomo, 4,881,365, 59-7.000.

Maruman Golf Co., Ltd.: *See—*

Kobayashi, Masashi, 4,798,384, Cl. 273-172.000.

Kobayashi, Masashi, 4,809,982, Cl. 273-167.00E.

Kobayashi, Masashi, 4,811,949, Cl. 273-171.000

Kobayashi, Masashi, 4,811,950, Cl. 273-171.000.

Kobayashi, Masashi, 4,819,939, Cl. 273-81.00R.

Kobayashi, Masashi, 4,824,110, Cl. 273-78.000.

Kobayashi, Masashi, 4,830,377, Cl. 273-186.00A.

Kobayashi, Masashi, 4,836,550, Cl. 273-167.00H.

Kobayashi, Masashi, 4,838,555, Cl. 273-167.00A.

Kobayashi, Masashi, 4,854,583, Cl. 273-80.800.

Kobayashi, Masashi, 4,871,174, Cl. 273-164.000.

Marume, Yoshihiro; and Iwamoto, Tadao, to Nishikawa Rubber Ltd. Method of manufacturing cosmetic puff and manufactu framework for use in the method. 4,857,248, 8-15-89, Cl. 264-46

Marume, Yoshihiro; and Iwamoto, Tadao, to Nishikawa Rubber Ltd. Manufacturing framework for use in manufacturing a cosme puff. 4,877,215, 10-31-89, Cl. 249-109.000.

Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Jun and Sakuma, Kenji, to Mitutoyo Corporation. Levelling devic roughness measuring machine. 4,888,984, 12-26-89, Cl. 73-105.00

Marumo, Shingo; Katayama, Masato; Futatsuya, Fumio; and Sa Mikio, to Nippon Kayaku Kabushiki Kaisha. Indoleacetic acid de atives and application thereof as plant growth regulators. 4,806, 2-21-89, Cl. 71-96.000.

Marumoto, Akira: *See—*

Kanazawa, Hirotaka; Marumoto, Akira; and Tsuji, Ko 4,817,986, Cl. 280-781.000.

Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yam Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa shiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Sh and Ohmae, Tsutomu, to Hitachi, Ltd.; and Hitachi Autom Engineering Co., Ltd. Vehicle height control apparatus respon power steering operation. 4,865,148, 9-12-89, Cl. 180-141.000.

Marumoto, Katsuji; Ohmae, Tsutomu; Koterazawa, Toshiyuki; and Tobari, Kazuaki, to Hitachi, Ltd. Electric motor-driven power steering apparatus. 4,869,334, 9-26-89, Cl. 180-79.100.

Marunaka, Teruyoshi: *See—*

Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.

Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.

Maruno, Makoto: *See—*

Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, 4,883,902, Cl. 560-75.000.

Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, 4,885,382, Cl. 560-75.000.

Maruo, Shigeaki: *See—*

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Maruoka, Keiji: *See—*

Yamamoto, Hisashi; and Maruoka, Keiji, 4,798,903, Cl. 556-432.000.

Maruoka, Toshiyuki: *See—*

Hata, Kosei; and Maruoka, Toshiyuki, 4,871,539, Cl. 424-93.000.

Marusa, David M.; and Munroe, Bruce R., to Audio Technology, Inc. Centralized system for selecting and reproducing perceptible programs. 4,862,159, 8-29-89, Cl. 340-825.240.

Marusak, Thomas J.: *See—*

Schnebly, John; and Marusak, Thomas J., 4,807,686, Cl. 160-84.100.

Schnebly, John; and Marusak, Thomas J., 4,884,612, Cl. 160-84.100.

Marusan Co., Ltd.: *See—*

Ishida, Minoru, 4,881,621, Cl. 185-39.000.

Maruscsak, Joseph: *See—*

Farrow, Cecil W.; Keasler, William E., Jr.; Maruscsak, Joseph; and Shaw, David G., 4,825,459, Cl. 379-3.000.

Maruska, Gerald F. Method and apparatus for renewing cutting edges in corn processing equipment. 4,802,495, 2-7-89, Cl. 130-9.00B.

Maruska, Gerald F. Blade apparatus for renewing cutting edges in corn processing equipment. 4,823,816, 4-25-89, Cl. 130-9.00B.

Maruska, William O.: *See—*

Bayerkohler, Mark A.; and Maruska, William O., 4,831,932, Cl. 102-202.500.

Marusugi, Kouichiro: *See—*

Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.

Maruta, Akinori: *See—*

[illegible], Teruaki; Yoshida, Makoto; Osawa, Masami; Higuchi, Seijun; and Maruta, Akinori, 4,800,134, Cl. 428-626.000.

Maruta, Akira; and Motoyama, Ryouichi, to Kanai Juyo Kogyo Co., Ltd. Ring for spinning machinery. 4,885,905, 12-12-89, Cl. 57-119.000.

Maruta, Akira: *See—*

Murao, Kazuhiro; and Maruta, Akira, 4,826,907, Cl. 524-394.000.

Maruta, Fumio: *See—*

Yokoyama, Kenji; Nakayama, Masatoshi; Maruta, Fumio; and Ueda, Kunihiro, 4,816,334, Cl. 428-336.000.

Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,880,687, Cl. 428-141.000.

Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,889,767, Cl. 428-336.000.

Maruta, Kazumitsu. Feed for animals and process for producing same. 4,868,001, 9-19-89, Cl. 426-623.000.

Maruta, Kazuo. Dampening method and apparatus using an air nozzle and mist generator. 4,811,661, 3-14-89, Cl. 101-147.000.

Maruta, Keiichi: *See—*

Ueda, Takashi; Maruta, Keiichi; and Yaguchi, Hiroshi, 4,857,502, Cl. 503-217.000.

Maruta, Kenji; Suwabe, Hiroshi; Ogasawara, Sachio; Masaka, Mitusake; and Hatanaka, Koji, to Hitachi Metals Ltd.; and Jidosha Kiki Co., Ltd. Glow plug for diesel engines. 4,810,853, 3-7-89, Cl. 219-270.000.

Maruta, Kenzi: *See—*

Hatanaka, Koji; Maruta, Kenzi; and Suwabe, Hirohisa, 4,874,923, Cl. 219-270.000.

Maruta, Riichiro: *See—*

Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,874,818, Cl. 525-183.000.

Yamamoto, Shosaku; Kakinuma, Kazuo; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,883,834, Cl. 524-504.000.

Maruta, Seiki: *See—*

Iwaizako, Akihiro; Nishii, Hiroshi; and Maruta, Seiki, 4,799,740, Cl. 303-15.000.

Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, to Minolta Camera Kabushiki Kaisha. Copying apparatus capable of copying a document with binding margin. 4,831,414, 5-16-89, Cl. 355-219.000.

Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, to Minolta Camera Kabushiki Kaisha. Copying apparatus. 4,845,527, 7-4-89, Cl. 355-210.000.

Maruta, Syuzi; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Automatic power turn-off apparatus for an electronic apparatus. 4,870,526, 9-26-89, Cl. 361-1.000.

Maruta, Syuzi; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying apparatus with provision for delayed reset in the event of paper exhaustion. 4,879,575, 11-7-89, Cl. 355-208.000.

Maruta, Syuzi; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Automatic image duplicating apparatus. 4,885,609, 12-5-89, Cl. 355-202.000.

Maruta, Syuzi: *See—*

Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,837,599, Cl. 355-7.000.

Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,855,786, Cl. 355-218.000.

Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,860,055, Cl. 355-308.000.

Marutani, Takeshi: *See—*

Okamoto, Takashi; Yasue, Kenji; Marutani, Takeshi; and Fukushima, Yasumasa, 4,804,707, Cl. 525-66.000.

Maruwa Bussan K.K.: *See—*

Dekura, Takateru; and Endo, Juro, 4,871,625, Cl. 428-695.000.

Maruya, Shinji; Yatsurugi, Yoshifumi; and Togashi, Kazuya, to Komatsu Electronic Metals Co., Ltd. Process for manufacturing silicon-germanium alloys. 4,857,270, 8-15-89, Cl. 420-578.000.

Maruyama, Akio; Sakakibara, Teigo; and Hashimoto, Yuichi, to Canon Kabushiki Kaisha. Electrophotographic device. 4,882,257, 11-21-89, Cl. 430-100.000.

Maruyama, Astushi: *See—*

Maeno, Hitoshi; Miyazawa, Azuma; and Maruyama, Astushi, 4,878,077, Cl. 354-400.000.

Maruyama, Hideo: *See—*

Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, 4,883,557, Cl. 156-287.000.

Maruyama, Hiromi: *See—*

Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, 4,826,654, Cl. 376-444.000.

Aoyama, Motoo; Maruyama, Hiromi; Bessho, Yasunori; and Uchikawa, Sadao, 4,832,906, Cl. 376-419.000.

Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.

Maruyama, Hiroshi: *See—*

Kato, Yoshitake; and Maruyama, Hiroshi, 4,831,478, Cl. 360-99.120

Maruyama, Hiroyoshi: *See—*

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, to Konishiroku Photo Industry Co., Ltd. Image recording apparatus. 4,849,829, 7-18-89, Cl. 358-451.000.

Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, to Konishiroku Photo Industry Co., Ltd. Color image processing apparatus which accurately registers multiple color images by counting pulses from a timer reset by a drum index signal. 4,878,110, 10-31-89, Cl. 358-75.000.

Maruyama, Hiroyuki: *See—*

Kishimoto, Tadao; Isobe, Toshifumi; Maruyama, Hiroyuki; and Yokobori, Jun, 4,806,973, Cl. 355-4.000.

Maruyama, Ichiro: *See—*

Tsuji, Yoshiomi; Maruyama, Ichiro; Mori, Kenji; and Nishikawa, Souji, 4,846,603, Cl. 405-115.000.

Maruyama, Isamu: *See—*

Ishizumi, Kikuo; Antoku, Fujio; Maruyama, Isamu; and Kojima, Atsuyuki, 4,843,078, Cl. 514-253.000.

Maruyama, Iwao; and Saitoh, Hidetoshi, to Diesel Kiki Co., Ltd. Unit injector. 4,887,955, 12-19-89, Cl. 417-501.000.

Maruyama, Kakuji; Kondo, Takeshi; and Okubo, Yoshimitsu, to Nagata Seiki Kabushiki Kaisha. Needle actuating device for a circular knitting machine. 4,856,298, 8-15-89, Cl. 66-40.000.

Maruyama, Kazumasa; Chiba, Tohru; and Takamizawa, Minoru, to Shin-Etsu Chemical Co., Ltd. Film capacitor. 4,843,517, 6-27-89, Cl. 361-323.000.

Maruyama, Kazumasa; Kaneko, Tatsushi; and Chiba, Tohru, to Shin-Etsu Chemical Co., Ltd. Electroluminescent composition containing organopolysiloxane and electroluminescent device usable as a backlighting unit for liquid crystal display. 4,882,517, 11-21-89, Cl. 313-502.000.

Maruyama, Kazuo: *See—*

Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.

Maruyama, Kenji, to Ryobi Ltd. Click sound generator for spinning reel. 4,832,279, 5-23-89, Cl. 242-84.51R.

Maruyama, Kioshi: *See—*

Lebizay, Gerald; Lien, Yeong-Chang; Maruyama, Kioshi; and Schuster, Stanley E., 4,833,670, Cl. 370-58.000.

Maruyama, Kiyoshi: *See—*

Georgiou, Christos J.; Lien, Yeong-Chang L.; and Maruyama, Kiyoshi, 4,879,551, Cl. 340-825.870.

Maruyama, Koichi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Telephoto zoom lens system having four lens groups. 4,848,883, 7-18-89, Cl. 350-427.000.

Maruyama, Kouji: *See—*

Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,311, Cl. 502-111.000.

Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,312, Cl. 502-111.000.

Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,313, Cl. 502-111.000.

Maruyama Mfg. Co. Inc.: *See—*

Tojo, Nobuo, 4,875,690, Cl. 277-12.000.

Maruyama Mfg. Co., Ltd.: *See—*
  Maruyama, Setsu; and Takei, Kiyoshi, 4,883,095, Cl. 139-91.000.
Maruyama, Masahiko: *See—*
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
  Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.
Maruyama, Masahiro; Mori, Kazuhiro; Itemadani, Eiji; and Hasegawa, Mikio, to Matsushita Electric Industrial Co., Ltd. Method of loading parts. 4,807,356, 2-28-89, Cl. 29-740.000.
Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Iritani, Masao, to Matsushita Electric Industrial Co., Ltd. Method and apparatus for mounting electronic parts. 4,809,430, 3-7-89, Cl. 29-834.000.
Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Uchida, Yoshihisa, to Matsushita Electric Industrial Co., Ltd. Working apparatus. 4,868,977, 9-26-89, Cl. 29-823.000.
Maruyama, Masahiro: *See—*
  Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,815,913, Cl. 414-225.000.
  Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,857,752, Cl. 250-578.000.
Maruyama, Masakatsu: *See—*
  Mori, Toshiki; Yamada, Haruyasu; Aono, Kunitoshi; and Maruyama, Masakatsu, 4,845,767, Cl. 382-41.000.
Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurashige, Mitsuhiro, to Hitachi, Ltd.; and Nippon Hoso Kyokai. Image pick-up tube with electrostatic deflecting electrode structure. 4,866,337, 9-12-89, Cl. 313-432.000.
Maruyama, Masanori: *See—*
  Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,809,071, Cl. 358-111.000.
Maruyama, Masao; Seki, Atsushi; and Minato, Yoshihiro, to Sumitomo Electric Industries, Ltd. Alloy tool of hard metal. 4,868,065, 9-19-89, Cl. 428-547.000.
Maruyama, Masaru: *See—*
  Tanaka, Masataka; Ohto, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, 4,846,799, Cl. 604-158.000.
Maruyama, Masatoshi; Hasegawa, Yukinobu; and Tange, Toyokichi, to Nippon Carbide Kogyo Kabushiki Kaisha. Toner for developing electrostatic images. 4,797,339, 1-10-89, Cl. 430-109.000.
Maruyama, Mitsunori: *See—*
  Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, 4,803,630, Cl. 364-424.050.
Maruyama, Naoyuki: *See—*
  Imahashi, Toru; Maruyama, Naoyuki; Konishi, Hideki; and Saito, Muneo, 4,844,611, Cl. 356-246.000.
Maruyama, Nobutoshi: *See—*
  Sakurai, Hidetoshi; Maruyama, Nobutoshi; and Ogawa, Hiroshi, 4,814,992, Cl. 364-431.070.
Maruyama, Noriharu: *See—*
  Nakane, Nobu; Maruyama, Noriharu; and Hakamada, Haruo, 4,837,601, Cl. 355-28.000.
Maruyama, Osamu; Ishikawa, Hidenobu; and Takahashi, Nobuo, to Dainippon Ink and Chemicals, Inc. Curable resin composition and its use. 4,855,334, 8-8-89, Cl. 522-96.000.
Maruyama, Reijiro: *See—*
  Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.
Maruyama, Setsu; and Takei, Kiyoshi, to Maruyama Mfg. Co., Ltd. Connecting construction for sidestay of heald frame and transverse beam. 4,883,095, 11-28-89, Cl. 139-91.000.
Maruyama, Shigehisa, to Sony Corporation. Drive motor for camera lens assembly. 4,828,360, 5-9-89, Cl. 350-255.000.
Maruyama, Shizuo: *See—*
  Okuda, Yasuji; Maruyama, Shizuo; and Sugimoto, Hiromasa, 4,829,108, Cl. 524-37.000.
Maruyama, Tadashi; Wada, Yukio; Shigematsu, Tomohisa; Suzuki, Yasoji; and Yoshizawa, Makoto, to Kabushiki Kaisha Toshiba. Nonvolatile floating gate semiconductor memory device. 4,870,615, 9-26-89, Cl. 365-185.000.
Maruyama, Tadashi: *See—*
  Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, 4,872,662, Cl. 271-290.000.
Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hidehiko; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Katsuhiko, to Chinon Kabushiki Kaisha. Zoom lens focusing apparatus. 4,816,859, 3-28-89, Cl. 354-400.000.
Maruyama, Takesuke: *See—*
  Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama, Takesuke; and Todaka, Yoshihiro, 4,842,387, Cl. 350-429.000.
Maruyama, Tatsuo; and Matsushita, Nobuo, to Toshiba Electric Equipment Corporation. Reflector. 4,838,629, 6-13-89, Cl. 350-1.600.
Maruyama, Teruo; Abe, Yoshikazu; and Taguti, Tatuhisa, to Matsushita Electric Industrial Co., Ltd. Variable capacity compressor. 4,815,944, 3-28-89, Cl. 417-295.000.
Maruyama, Teruo, to Matsushita Electric Industrial Co., Ltd. Bearing unit. 4,883,367, 11-28-89, Cl. 384-114.000.
Maruyama, Teruo: *See—*
  Saeki, Hiroshi; and Maruyama, Teruo, 4,797,011, Cl. 384-13.000.
Maruyama Tokuji: *See—*
  Honma, Masahiro; Maruyama Tokuji; Okada, Masashi; and Hida, Yukio, 4,877,941, Cl. 219-130.210.

Maruyama, Toshinori; Sato, Hirohide; and Matsuhashi, Toshik Nippondenso Co., Ltd. Automotive charging apparatus. 4,862, 8-29-89, Cl. 322-8.000.
Maruyama, Toshio; Nakano, Hiroshi; and Sakakibara, Yasuji, to To da-Koki Kabushiki-Kaisha. Method for grinding a non-circular w piece. 4,848,038, 7-18-89, Cl. 51-281.00C.
Maruyama, Toshio: *See—*
  Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishi Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, 51-165.710.
Maruyama, Toshishiro: *See—*
  Yokoo, Hidejiro; Maruyama, Toshishiro; Toshima, Yasuhide; Kobori, Yasuo, 4,842,640, Cl. 71-92.000.
Maruyama, Tsugito; Kanda, Shinji; and Hanahara, Keishi, to Fu Limited. Method for measuring a three-dimensional position o object. 4,846,576, 7-11-89, Cl. 356-376.000.
Maruyama, Tsutomu; Matsumoto, Hidetoshi; and Miyake, Yoshi to Asahi Glass Company, Ltd. Glass capillary tube and method fo production. 4,882,209, 11-21-89, Cl. 428-34.100.
Maruyama, Yasuo: *See—*
  Suga, Yoshinori; Tanaka, Eiji; Maruyama, Yasuo; and Isobe, 4,883,848, Cl. 526-124.000.
Maruyama, Yohikuni: *See—*
  Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruy Yohikuni; and Kanno, Toshitake, 4,809,762, Cl. 164-9.000.
Maruyama, Youji; and Suzuki, Ryo, to Hitachi, Ltd. Bloch line me device. 4,831,584, 5-16-89, Cl. 365-29.000.
Maruyama, Youji; Ikeda, Tadashi; Takeuchi, Teruaki; and Suzuki, to Hitachi, Ltd. Bloch line memory device. 4,845,671, 7-4-8 365-87.000.
Maruyama, Youzi; Ikeda, Tadashi; and Suzuki, Ryo, to Hitachi Bloch line memory device. 4,884,236, 11-28-89, Cl. 365-29.000.
Maruyama, Yuji: *See—*
  Nakazato, Katsuo; Tsuchiya, Hiroyoshi; Kurosawa, Toshi Maruyama, Yuji; and Takahashi, Kiyoshi, 4,890,167 358-443.000.
Maruyama, Yutaka: *See—*
  Arai, Takashi; Maruyama, Yutaka; and Fuchi, Ikuo, 4,848,22 100-176.000.
  Imai, Yoshio; Kakimoto, Masaaki; Maruyama, Yutaka; and Ku Toshio, 4,806,618, Cl. 528-125.000.
  Imai, Yoshio; Kakimoto, Masaaki; Oishi, Yoshiyuki Maruyama, Yutaka, 4,820,793, Cl. 528-183.000.
  Ohta, Jiro; Tozawa, Sadamu; Matsushita, Koichi; and Maru Yutaka, 4,838,710, Cl. 384-100.000.
Maruzen Petrochemical Co., Ltd.: *See—*
  Kase, Keizo; Idai, Tsutomu; Ishii, Kazumasa; and Takahash 4,847,435, Cl. 568-750.000.
  Tsuchitani, Masatoshi; Naito, Sakae; and Nakajima, Ryo 4,820,401, Cl. 208-40.000.
  Tsuchitani, Masatoshi; and Naito, Sakae, 4,874,502, Cl. 208-4
  Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa chitani, Masatoshi; and Nakajima, Ryoichi, 4,818,44 264-29.200.
Maruzen Sewing Machine Co., Ltd.: *See—*
  Koshinaka, Osamu; and Suzuki, Yoshikazu, 4,799,43 112-162.000.
  Koshinaka, Osamu; Suzuki, Yoshikazu; and Yoneda, Yosh 4,799,440, Cl. 112-162.000.
  Mikuni, Yoshio; and Koshinaka, Osamu, 4,803,936, Cl. 112-24
  Mikuni, Yoshio; and Tanaka, Osamu, 4,817,545, Cl. 112-241
Maruzeni, Shouji; and Yanagihara, Toshimichi, deceased Yanagihara, Hiromi, legal representative), to Asahi Denka K Kabushiki Kaisha. Blooming resistance improver. 4,837,041, 6 Cl. 426-611.000.
Maruzeni, Shouji; Matsumoto, Wataru; and Yasuda, Nozomi, to Denka Kogyo Kabushiki Kaisha. Reaction method for transes ing fats and oils. 4,874,699, 10-17-89, Cl. 435-135.000.
Maruzeni, Shouji: *See—*
  Itagaki, Kazuo; Yanagihara, Toshimichi, deceased; Maru Shouji; and Yasuda, Nozomi, 4,844,940, Cl. 426-607.000.
  Yokobori, Hideo; Itagaki, Kazuo; Maruzeni, Shouji; and Ya Nozomi, 4,847,105, Cl. 426-607.000.
Marvel, Fred D. Packet-type laminator. 4,859,274, 8-22-8 156-499.000.
Marvel Group, Inc., The: *See—*
  Fowler, David K.; and Story, David E., 4,813,251, Cl. 70-11
Marvel, Ray D. Medical safety device. 4,840,618, 6-20-8 604-187.000.
Marver, Douglas J.: *See—*
  Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Doug Ketenhofen, Timothy J.; Marver, Douglas J.; Co Dorschner, Laurie; and Pomplun, William S., 4,837,71 364-552.000.
Marvillet, Christophe: *See—*
  Lauro, Fernand; Marvillet, Christophe; Mayoussier, Pi Amandjules, Michel; and Porcher, Jean-Michel, 4,850,47 165-134.100.
Marvin Glass & Associates: *See—*
  Danielak, Ann C.; Andersen, Michael A.; and Disko, H 4,832,339, Cl. 273-45.000.
  Herbstler, Horst-Dieter; and Terzian, Rouben T., 4,824,41 446-276.000.
  Kulesza, Ralph J.; Wimmer, Frank; and Breslow, Jeffre 4,834,391, Cl. 273-393.000.
  Kuna, Wayne A., 4,874,166, Cl. 273-1.0GC.

  Rosenwinkel, Donald A.; Zaruba, John V.; and Kuna, Wayne A., 4,863,172, Cl. 273-153.00S.
  Terzian, Rouben T.; Breslow, Jeffrey D.; Rosenwinkel, Donald A.; and Zaruba, John V., 4,799,678, Cl. 273-1.00E.
  Terzian, Rouben T.; and Wozniak, Walter J., 4,802,878, Cl. 446-300.000.
  Terzian, Rouben T., 4,878,874, Cl. 446-355.000.
  Yoe, Craig S.; Gibson, Michael R.; O'Patka, Dennis J.; and Kuna, Wayne A., 4,798,455, Cl. 351-51.000.
  Zaruba, John V.; Rosenwinkel, Donald A.; and Breslow, Jeffrey D., 4,852,886, Cl. 273-249.000.
Marvin, Jack C.; and Shepherd, Benjamin G., to CBI Research Corporation. Pedestal crane and method of assembling and erecting it. 4,856,662, 8-15-89, Cl. 212-176.000.
Marvin Lumber and Cedar Company: *See—*
  Battles, Laurence, 4,838,001, Cl. 52-456.000.
Marvin, Lyle E. Fluid-jet-cutting nozzle assembly. 4,832,266, 5-23-89, Cl. 239-590.300.
rvin, Mark: *See—*
  Hashish, Mohamed; and Marvin, Mark, 4,854,091, Cl. 51-439.000.
rvin, Wayne S.: *See—*
  Beeman, John A.; Solt, Floyd R.; Leep, James L.; Marvin, Wayne S.; and Smith, Troy F., 4,838,430, Cl. 206-624.000.
rwick, William F., to Alcan International Limited. Lubricating composition and method. 4,812,248, 3-14-89, Cl. 252-56.00R.
rwick, William F., to Alcan International Limited. Lubricant emulsion. 4,869,764, 9-26-89, Cl. 156-196.000.
rwin Cutting Tools Limited: *See—*
  Wale, Dennis H.; and Reynolds, Paul A., 4,843,928, Cl. 82-131.000.
rwitz & Hauser GmbH: *See—*
  Neef, Heinz, 4,802,754, Cl. 351-138.000.
rwood, Warren, to Commonwealth of Australia, The. Cellular oating-point serial pipelined multiplier. 4,799,182, 1-17-89, Cl. 4-748.000.
, Arthur F.: *See—*
  Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
, Dieter, to Carl-Zeiss-Stiftung. Stereoscopic thermographic apparatus. 4,861,997, 8-29-89, Cl. 250-334.000.
, Edmund N., Jr. Edge curling device for Fourdrinier fabric. 885,059, 12-5-89, Cl. 162-274.000.
, Hans-Norbert: *See—*
  Goettsche, Reimer; Marx, Hans-Norbert; and Hettler, Wendelin, 4,857,322, Cl. 424-633.000.
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, Herbert W.; and Marx, Norbert, to Ortho-Bionics Laboratory, c. Fluctuating volume adjustable preparatory below knee prosthetic socket. 4,842,608, 6-27-89, Cl. 623-33.000.
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Masaoka, Tohru, to Green Cross Corporation; and Morinaga Industry Co., Ltd. Method for treating hematopoietic dis 4,845,078, 7-4-89, Cl. 514-8.000.
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  - Mason, Jeffery T.; Cawley, Patrick W.; and Mason, Bradley R., 4,850,877, Cl. 434-274.000.
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  - Preziosi, Robert, 4,871,091, Cl. 222-92.000.
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Annis, Martin; Johnson, Michael; and Mastronardi, Richard, 4,825,454, Cl. 378-87.000.
Mastronardo, Patrick, to Lebo Peerless, Inc. Multiple use cassette carrying case. 4,838,421, 6-13-89, Cl. 206-387.000.
Mastronardo, Patrick, to Lebo Peerless, Inc. Compact disc carrying case. 4,842,032, 6-27-89, Cl. 206-309.000.
Mastuno, Hiromistu; Murayama, Seiichi; Ono, Tetsuo; and Watanabe, Yoshio, to Hitachi, Ltd. Low-pressure discharge lamp. 4,879,493, 11-7-89, Cl. 313-641.000.
Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, to Mitsubishi Gas Chemical Company, Inc. Polyphenylene ether resin composition. 4,877,847, 10-31-89, Cl. 525-397.000.
Masubuchi, Kaoru: *See—*
Nanbu, Kazuya; Yamaguchi, Nobuyuki; and Masubuchi, Kaoru, 4,798,354, Cl. 242-84.10R.
Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, to Kansai Paint Co., Ltd. Process for forming composite coated film. 4,888,244, 12-19-89, Cl. 428-416.000.
Masucci, Ernest J.: *See—*
Guarnaccia, Joseph J.; and Masucci, Ernest J., 4,860,452, Cl. 30-346.600.
Masud, Charles R.; and Wu, Cheng-Teh, to International Business Machines Corporation. Method for making thin film magnetic head. 4,878,290, 11-7-89, Cl. 29-603.000.
Masuda, Akira: *See—*
Harase, Toshikatsu; and Masuda, Akira, 4,829,383, Cl. 358-229.000.
Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Masuda, Akira, 4,862,280, Cl. 358-229.000.
Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, 4,825,373, Cl. 364-431.050.
Masuda, Eiji; Fujita, Yasuhiko; and Takasaki, Terufumi, to Kabushiki Kaisha Toshiba. Memory device. 4,841,567, 6-20-89, Cl. 379-355.000.

Masuda, Etsuro: *See—*
  Yabe, Akira; Ouchi, Akihiko; Moriyama, Hiroshi; and Masuda, Etsuro, 4,875,986, Cl. 204-157.600.
Masuda, Fumio: *See—*
  Ohtani, Junji; Machida, Junji; Sano, Eiichi; and Masuda, Fumio, 4,861,693, Cl. 430-106.600.
Masuda, Fumitoshi; and Ueda, Yukinori, to Murata Manufacturing Co., Ltd. Variable resistor for mounting on surface. 4,821,014, 4-11-89, Cl. 338-164.000.
Masuda, Hidenori: *See—*
  Kadota, Kuninobu; and Masuda, Hidenori, 4,846,238, Cl. 152-554.000.
Masuda, Hiroaki: *See—*
  Tochinai, Chiaki; Kohara, Tadanao; Budo, Sadayoshi; Masuda, Hiroaki; and Yoshida, Takayoshi, 4,845,182, Cl. 525-89.000.
Masuda, Hiroo: *See—*
  Shimohigashi, Katsuhiro; Masuda, Hiroo; Ikuzaki, Kunihiko; and Kawamoto, Hiroshi, 4,860,255, Cl. 365-189.000.
Masuda, Hisao: *See—*
  Fujimoto, Hitoshi; and Masuda, Hisao, 4,877,173, Cl. 228-1.100.
Masuda, Hitoshi: *See—*
  Tsukahara, Yusuke; Masuda, Hitoshi; Yamaguchi, Mikio; and Tanabe, Masao, 4,827,516, Cl. 381-36.000.
Masuda, Ikuro; Iwamura, Masahiro; and Nishihara, Motohisa, to Hitachi, Ltd. Composite circuit of bipolar transistors and field effect transistors. 4,808,850, 2-28-89, Cl. 307-446.000.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, to Hitachi, Ltd. Gate circuit of combined field-effect and bipolar transistors. 4,829,201, 5-9-89, Cl. 307-446.000.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, to Hitachi, Ltd. CMOS-BiCMOS gate circuit. 4,890,017, 12-26-89, Cl. 307-446.000.
Masuda, Ikuro: *See—*
  Iwamura, Masahiro; and Masuda, Ikuro, 4,813,020, Cl. 365-189.000.
  Iwamura, Masahiro; Maejima, Hideo; and Masuda, Ikuro, 4,853,560, Cl. 307-296.100.
  Iwamura, Masahiro; Masuda, Ikuro; and Uchida, Hideaki, 4,860,148, Cl. 361-58.000.
  Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, 4,858,189, Cl. 365-203.000.
  Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.
  Ueno, Masahiro; Kurita, Kozaburo; Masuda, Ikuro; and Miyakawa, Nobuaki, 4,797,583, Cl. 307-475.000.
  Ueno, Masahiro; Iwamura, Masahiro; Kurita, Kozaburo; and Masuda, Ikuro, 4,801,983, Cl. 357-15.000.
Masuda, Isamu, to Nihonkenkozoshinkenkyukai Co., Ltd. Shoe insole. 4,843,738, 7-4-89, Cl. 36-44.000.
Masuda, Isao; Fukuoka, Takashi; and Kobayashi, Fujio, to Kioritz Corporation. Two-cycle internal combustion engine. 4,873,946, 10-17-89, Cl. 123-65.0PD.
Masuda, Isao: *See—*
  Saito, Yasuo; Ozaki, Tadashi; and Masuda, Isao, 4,838,116, Cl. 74-595.000.
  Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, 4,871,230, Cl. 350-96.340.
Masuda, Itsuro: *See—*
  Fukuda, Akira; and Masuda, Itsuro, 4,802,632, Cl. 242-58.500.
Masuda, Jiro: *See—*
  Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.
Masuda, Kaoriko: *See—*
  Gunjima, Tomoki; Kumai, Hiroshi; Tsuchiya, Shoichi; and Masuda, Kaoriko, 4,834,509, Cl. 350-347.00V.
Masuda, Katsuhiko; Hamada, Tetsuro; Shibuya, Kazunori; and Shimada, Kazuhiko, to Honda Giken Kogyo Kabushiki Kaisha. Power transmission system for vehicles. 4,829,849, 5-16-89, Cl. 74-650.000.
Masuda, Katsuhiko; Shimada, Kazuhiko; Hamada, Tetsuro; and Shibuya, Kazunori, to Honda Giken Kogyo Kabushiki Kaisha. Torque-dependent power transmission system. 4,848,507, 7-18-89, Cl. 180-248.000.
Masuda, Katsuhiko: *See—*
  Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.
  Hamada, Tetsuro; Shimada, Kazuhiko; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,889,353, Cl. 180-233.000.
  Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.
  Shibuya, Kazunori; Hamada, Tetsuro; Masuda, Katsuhiko; and Shimada, Kazuhiko, 4,825,724, Cl. 74-710.500.
  Shimada, Kazuhiko; Hamada, Tetsurou; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,848,506, Cl. 180-248.000.
Masuda, Katsumi: *See—*
  Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
Masuda, Kazuaki, to Canon Kabushiki Kaisha. With a liquid supply path having disposed therein a filler providing partial flow blockage that varies upstream of the discharge orefice. 4,875,059, 10-17-89, Cl. 346-140.00R.
Masuda, Kazuaki: *See—*
  Shiozaki, Atsushi; Komuro, Hirokazu; Sato, Koichi; and Masuda, Kazuaki, 4,860,033, Cl. 346-140.00R.
Masuda, Kazunori: *See—*
  Suzuki, Atsumi; and Masuda, Kazunori, 4,849,997, Cl. 375-118.000.
Masuda, Keiichi: *See—*
  Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,814, Cl. 414-686.000.
Masuda, Kenji, to Sanden Corporation. Heating and air conditioning system for a forklift. 4,874,036, 10-17-89, Cl. 165-42.000.
Masuda, Kenmei: *See—*
  Kaku, Nobuyuki; Masuda, Kenmei; and Tsubono, Isamu, 4,814,910, Cl. 360-85.000.
Masuda, Kiyoshi: *See—*
  Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda, Kiyoshi, 4,829,468, Cl. 364-900.000.
Masuda, Koji; Suemitsu, Yuji; and Asano, Kazuo, to Fuji Xerox Co. Ltd. Discharge head for an electrostatic recording device. 4,875,06 10-17-89, Cl. 346-155.000.
Masuda, Kosaku: *See—*
  Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shinji; and Masuda, Kosaku, 4,839,264, Cl. 430-505.000.
Masuda, Makoto: *See—*
  Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.
Masuda, Masaaki: *See—*
  Iwasaki, Hiroyuki; and Masuda, Masaaki, 4,834,926, Cl. 264-65.000.
Masuda, Masachika; and Suzuki, Akira, to Hitachi, Ltd. Semiconductor device lead frame with etched through holes. 4,862,246, 8-29-89, Cl. 357-70.000.
Masuda, Masahiko: *See—*
  Takahama, Teizo; Masuda, Masahiko; Sugimoto, Keisuke; and Sugiyama, Yuji, 4,839,019, Cl. 204-425.000.
Masuda, Masami; Kawaguchi, Takayuki; and Nozawa, Yasumitsu, to Kabushiki Kaisha Toshiba. BiMOS logical circuit. 4,804,868, 2-14-89, Cl. 307-446.000.
Masuda, Masami; Nozawa, Yasumitsu; and Kawaguchi, Takayuki, to Kabushiki Kaisha Toshiba. BiMOS logical circuit. 4,804,869, 2-14-89, Cl. 307-446.000.
Masuda, Masayuki; and Umeyama, Tamotsu, to Daiwa Can Company, Ltd. Method and apparatus for judging inner pressure of filled can. 4,800,932, 1-31-89, Cl. 141-83.000.
Masuda, Michio: *See—*
  Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okamoto, Kaneyuki, 4,855,812, Cl. 358-22.000.
Masuda, Michiyuki: *See—*
  Ueha, Sadayuki; Kurosawa, Minoru; and Masuda, Michiyuki, 4,885,499, Cl. 310-328.000.
Masuda, Mitsuyoshi; Fukura, Kenichi; Kadoike, Katsuaki; and Nishikawa, Kazuhiro, to Aisin Seiki Kabushiki Kaisha; and Aisin Keikinzoku Kabushiki Kaisha. Sun-roof structure of a vehicle body. 4,830,428, 5-16-89, Cl. 296-219.000.
Masuda, Naofumi: *See—*
  Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, 4,806,388, Cl. 427-46.000.
  Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.
  Tamaki, Shigenori; Machizuki, Hiroyuki; Kobayashi, Nobuo; Iwase, Takahiro; and Masuda, Naofumi, 4,806,387, Cl. 427-46.000.
Masuda, Narihiro: *See—*
  Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,857,396, Cl. 428-315.500.
  Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,871,784, Cl. 521-138.000.
Masuda, Nobuhito, to Fuji Photo Film Co., Ltd. Process and apparatus for removing solid material including blood cells from whole blood. 4,810,394, 3-7-89, Cl. 210-767.000.
Masuda, Nobuhito; and Igarashi, Takeshi, to Fuji Photo Film Co., Ltd. Member of analytical element for the analysis of liquid sample containing solid. 4,855,108, 8-8-89, Cl. 422-56.000.
Masuda, Nobuhito; Nagatomo, Shigeru; Makiuchi, Hajime; and Yamada, Yukio, to Fuji Photo Film Co., Ltd. Biological reaction layer and its preparation. 4,861,552, 8-29-89, Cl. 422-56.000.
Masuda, Nobuyuki: *See—*
  Kawami, Shigeru; Tabu, Takashi; Sano, Shigeo; and Masuda, Nobuyuki, 4,872,199, Cl. 379-413.000.
Masuda, Norio: *See—*
  Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, 4,867,803, Cl. 148-3.000.
Masuda, Sadao: *See—*
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Masuda, Satoru; and Ishigami, Hiroyuki, to Otsuka Koki Kabushiki Kaisha. Intermittently-driven belt conveyor. 4,872,548, 10-10-89, Cl. 198-859.000.
Masuda, Shigeo; and Hosoya, Toshifumi, to Sumitomo Electric Industries, Ltd. Plastic-coated optical transmission fiber and an estimating method thereof. 4,875,758, 10-24-89, Cl. 350-96.300.

Masuda, Shinichi: *See—*
  Satow, Aritomo; Masuda, Shinichi; Sugimoto, Kazuyoshi; and Muta, Yuji, 4,886,434, Cl. 418-55.00D.
Masuda, Shuji: *See—*
  Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
  Suzuki, Kenji; Masumoto, Tsuyoshi; Ota, Nobuhiro; Okubo, Mika; Mitera, Masao; Matsumoto, Akira; and Masuda, Shuji, 4,806,265, Cl. 252-62.630.
Masuda, Shunichi; Shimizu, Katsuichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, to Canon Kabushiki Kaisha. Image forming device. 4,811,051, 3-7-89, Cl. 355-14.00C.
Masuda, Shunichi: *See—*
  Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, 4,816,868, Cl. 355-14.00C.
  Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,823,192, Cl. 358-256.000.
  Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,878,130, Cl. 358-400.000.
Masuda, Shunji; Uesugi, Tatsuya; and Oda, Hiroyuki, to Mazda Motor Corporation. Engine valve driving apparatus. 4,794,893, 1-3-89, Cl. 123-90.170.
Masuda, Tadashi: *See—*
  Imamura, Tadashi; Shigaki, Kazuyuki; Yamazaki, Yuji; Masuda, Tadashi; and Okumura, Tsunemasa, 4,861,115, Cl. 301-65.000.
Masuda, Takahiko, to Nishikawa, Kohichi. Wave-activated power generator. 4,858,434, 8-22-89, Cl. 60-398.000.
Masuda, Takahito: *See—*
  Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito, Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.
Masuda, Takashi, to Toa Pharmaceutical Co., Ltd. Feed additive for fish cultivation. 4,808,417, 2-28-89, Cl. 426-2.000.
Masuda, Takayoshi: *See—*
  Takayanagi, Hiroshi; Kobayashi, Tadashi; Masuda, Takayoshi; and Shinoda, Hosei, 4,859,763, Cl. 528-357.000.
Masuda, Takeshi: *See—*
  Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, Singi; Miyauchi, Yukio; and Ito, Masayuki, 4,826,991, Cl. 548-341.000.
  Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.
Masuda, Tatsuo: *See—*
  Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.
Masuda, Tomohiko: *See—*
  Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,854,678, Cl. 350-356.000.
  Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,887,104, Cl. 350-355.000.
Masuda, Toshiaki; Omiya, Hitoshi; and Fukui, Kiyoshi, to Nissho Corporation. Radiation-sterilized, packaged medical device. 4,813,210, 3-21-89, Cl. 53-425.000.
Masuda, Toshiyuki: *See—*
  Kanaya, Masayuki; Masuda, Toshiyuki; and Yamada, Osamu, 4,810,842, Cl. 200-295.000.
Masuda, Tsugunori; Kuranari, Shinsaku; and Fukuhara, Yu, to Kabushiki Kaisha Tamura Seisakusho. Automatic soldering apparatus. 4,846,390, 7-11-89, Cl. 228-47.000.
Masuda, Tsutomu: *See—*
  Nakano, Eiichi; Masuda, Tsutomu; Koyama, Yasuji; and Kitao, Satoshi, 4,865,979, Cl. 435-172.300.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, to Mitsubishi Kinzoku Kabushiki Kaisha. Method of producing heat-transfer material. 4,824,530, 4-25-89, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, to Mitsubishi Kinzoku Kabushiki Kaisha. Method of producing heat-transfer material. 4,826,578, 5-2-89, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, to Mitsubishi Kinzoku Kabushiki Kaisha. Heat transfer material. 4,879,185, 11-7-89, Cl. 428-687.000.
Masuda, Yoshihiko; and Murakosi, Masanobu, to Kioritz Corporation. Method of adjusting hardness of metallic material. 4,874,437, 10-17-89, Cl. 148-150.000.
Masuda, Yoshihiro, to Dainippon Screen Mfg. Co. Ltd. Web winding apparatus. 4,804,152, 2-14-89, Cl. 242-67.10R.
Masuda, Yoshihiro; Yagi, Takashi; and Murata, Akira, to Dainippon Screen Mfg. Co., Ltd. Device for venting fumes given off by automatic developing equipment. 4,857,949, 8-15-89, Cl. 354-322.000.
Masuda, Yoshihisa: *See—*
  Takahashi, Kozo; Masuda, Yoshihisa; and Inuki, Hisao, 4,837,582, Cl. 343-719.000.
Masuda, Yoshinobu, to Ono Pharmaceutical Co., Ltd. New method of treatment using prostaglandin analogues. 4,812,475, 3-14-89, Cl. 514-412.000.
Masuda, Yoshinobu: *See—*
  Uno, Hitoshi; Kurokawa, Mikio; Sato, Fuminori; Naruto, Shunsuke; and Masuda, Yoshinobu, 4,889,858, Cl. 514-254.000.
Masuda, Yoshinori; and Motoi, Masaharu, to Freund Industrial Co., Ltd. Fluidized granulating and coating apparatus and method. 4,848,673, 7-18-89, Cl. 241-5.000.
Masuda, Yoshinori, to Kabushiki Kaisha Murakoshi Seiko. Hinge. 4,884,316, 12-5-89, Cl. 16-288.000.
Masuda, Yoshio, to Fukada, Hideaki, a part interest. Continuous mining device for crust deposits, etc. and continuous line bucket method with turning movement. 4,802,292, 2-7-89, Cl. 37-69.000.
Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, to Bridgestone Corporation; and Seiko Electronic Components Ltd. Electric cells and process for making the same. 4,865,932, 9-12-89, Cl. 429-194.000.
Masuda, Yoshitomo: *See—*
  Miyazaki, Tadaaki; Ogino, Takao; Masuda, Yoshitomo; and Kawagoe, Takahiro, 4,803,137, Cl. 429-194.000.
  Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
Masuda, Yuichi; and Shimizu, Kozo, to Yoshida Kogyo K. K. Winding of flexible elongate material. 4,840,322, 6-20-89, Cl. 242-67.10R.
Masuda, Yutaka, to Yamaha Hatsudoki Kabushiki Kaisha. Automatic speed control system for motorcycles. 4,796,716, 1-10-89, Cl. 180-176.000.
Masuda, Zitsuo; Kinashi, Hiroshi; Tsujimoto, Yoshiharu; and Hirai, Masashi, to Sharp Kabushiki Kaisha. Image transfer device. 4,847,652, 7-11-89, Cl. 355-274.000.
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  Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,804,752, Cl. 540-227.000.
  Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,871,860, Cl. 548-195.000.
  Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,877,873, Cl. 544-227.000.
Masuhara, Kenichi: *See—*
  Katayama, Kiichiro; Masuhara, Kenichi; Maeda, Yasuharu; and Wakabayashi, Koji, 4,844,753, Cl. 148-251.000.
Masuhara, Shohei, to Kanegafuchi Kagaki Kogyo Kabushiki Kaisha. Method for sterilizing artificial organs and apparatus used therefor. 4,810,469, 3-7-89, Cl. 422-26.000.
Masuhara, Toshiaki: *See—*
  Aoki, Masaaki; Yano, Kazuo; and Masuhara, Toshiaki, 4,864,382, Cl. 357-64.000.
  Honjyo, Shigeru; Minato, Osamu; Sakai, Yoshio; Yamanaka, Toshiaki; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,849,801, Cl. 357-51.000.
  Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
  Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
  Yamanaka, Toshiaki; Sakai, Yoshio; Hayashida, Tetsuya; Minato, Osamu; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,805,147, Cl. 365-154.000.
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  Azuma, Nobuo; Masui, Hikaru; and Watatani, Yoshizumi, 4,809,096, Cl. 360-77.150.
Masui, Hisashi: *See—*
  Taguchi, Norikazu; Nishizaki, Hirozumi; Masui, Hisashi; and Ishizuka, Toshiyasu, 4,818,911, Cl. 310-259.000.
Masui, Kosuke, to Kabushiki Kaisha Aoyama. Combination of artificial flower-forming ribbon and tack plate. 4,812,338, 3-14-89, Cl. 428-4.000.
Masui, Motonobu; and Ban, Yasuo, to Iwasaki Electric Co., Ltd. Metal vapor discharge lamp and method of producing the same. 4,827,190, 5-2-89, Cl. 313-624.000.
Masui, Shiochi; Tano, Shunichi; Sakaguchi, Seiji; and Funabashi, Motohisa, to Hitachi, Ltd. Knowledge-based system having plural processors. 4,868,763, 9-19-89, Cl. 364-513.000.
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Masuko, Toshikazu; Masuko, Teruo; and Hirao, Shunro, 4,850,291, Cl. 111-7.200.
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Masumoto, Isamu: *See—*
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Sugawara, Eishu; Nakayama, Taketoshi; and Masumoto, Tsuyo 4,836,867, Cl. 148-301.000.
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Iwaya, Shouichi; Masumura, Hitoshi; and Hamada, Munemas 4,808,883, Cl. 313-632.000.
Masumura, Masao: *See—*
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Masunaga, Katsuro: *See—*
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Ogura, Mitsugi; and Masuoka, Fujio, 4,798,794, Cl. 437-41.000
Masuoka, Hideaki: *See—*
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Mate, David W.: *See—*
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Mate, Robert D.: *See—*
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Matejcek, Franz: *See—*
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Matejec, Reinhart; Becker, Manfred; Odenwalder, Heinrich; and Metz, Hans-Joerg, to Agfa-Gevaert Aktiengesellschaft. Color photographic recording material. 4,820,616, 4-11-89, Cl. 430-543.000.
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Materials and Methods Limited: *See—*
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Moore, Richard S., 4,859,211, Cl. 44-589.000.
Materials Research Corporation: *See—*
Hurwitt, Steven D., 4,855,033, Cl. 204-298.000.
Wagner, Israel; and Hurwitt, Steven D., 4,871,433, Cl. 204-192.120.
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Matesoa, Mark E. Laminar air flow hazardous materials abatement method and system. 4,801,312, 1-31-89, Cl. 55-97.000.
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Le Guet, Pierre-Loic; Lempereur, Christine; and Mathe, Jean-Michel, 4,843,460, Cl. 358-107.000.
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Matheny, Ronnie A.: *See—*
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Matheny, Stephen E.; and Orwig, Gary W. Multiple display system. 4,884,068, 11-28-89, Cl. 340-707.000.
Mather, Edward L.: *See—*
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Pilkington, Andy C., 4,818,620, Cl. 428-422.000.
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Matherly, Jennifer W.: *See—*
Katcher, Jay H.; Mabon, John T.; Matherly, Jennifer W.; McCarty, Lawrence T.; and Schara, Robert E., 4,871,398, Cl. 127-71.000.

Matherne, Elmer L. Ceiling fan filter. 4,840,650, 6-20-89, Cl. 55-385.100.

Mathers, James P.; Wood, William P.; and Forester, Thomas, to Minnesota Mining and Manufacturing Company. Aluminum oxide/aluminum oxynitride/group IVB metal nitride abrasive particles derived from a sol-gel process. 4,855,264, 8-8-89, Cl. 501-98.000.

Mathers, Jeremy J., to Kraft, Inc. Methods for partitioning of organic flavor compounds. 4,865,991, 9-12-89, Cl. 436-20.000.

Mathers, Terrence L. Method and apparatus for producing high vacuum. 4,880,357, 11-14-89, Cl. 417-77.000.

Mathes, Josef, to M.A.N.-Roland Druckmaschinen AG. Sheet turning device for rotary presses of the in-line type. 4,796,529, 1-10-89, Cl. 101-230.000.

Mathes, Josef, to MAN Roland Druckmaschinen AG. Sheet pressing means for a multi-color sheet-fed rotary press. 4,869,166, 9-26-89, Cl. 101-230.000.

Mathes, Josef: *See—*
  Abendroth, Paul; Mathes, Josef; and Holl, Roland, 4,852,488, Cl. 101-246.000.

Mathes, Larry W.; and Snyder, William R. Ice cream cone with imprinted band. 4,855,150, 8-8-89, Cl 426-87.000.

Matheson, Ronald R.: *See—*
  Hucul, Daniel E.; and Matheson, Ronald R., 4,872,613, Cl. 239-280.000.

Mathew, Chempolil T.; Belsky, Stephen E.; and McKnight, Earl E., to Allied-Signal Inc. Process for the production of anhydrous oxime from an aqueous solution. 4,868,334, 9-19-89, Cl. 564-264.000.

Mathew, Ranjan J.; and Lang, Billy J., II, to National Semiconductor Corporation. Method of electroplating a copper lead frame with copper. 4,800,178, 1-24-89, Cl. 437-206.000.

Mathewes, James K., Jr.; Hermam, Jan S.; Johnson, Stephen C.; Goud, Richard B.; and Stiffler, Jack J., to Raytheon Company. Control sequencer with dual microprogram counters for microdiagnostics. 4,841,434, 6-20-89, Cl. 364-200.000.

Mathewes, James K., Jr.; Chancellor, Craig A.; and Howes, H. Frank, to Raytheon Company. Transient and intermittent fault insertion. 4,875,209, 10-17-89, Cl. 371-3.000.

Mathews, Charles L.: *See—*
  Blanyer, Richard J.; and Mathews, Charles L., 4,865,933, Cl. 429-241.000.

Mathews, Derek, to Apsley Metals Limited. Tire reinforcing component. 4,889,173, 12-26-89, Cl. 152-528.000.

Mathews, Hans-Gunter; and Schafheitle, Oskar, to BBC Brown Boveri AG. Flange connection using a radially elastic centering ring. 4,878,037, 10-31-89, Cl. 333-254.000.

Mathews III, Marion J.; and Peoples, P. Robert, to Monsanto Company. Acrylonitrile dimerization process. 4,841,087, 6-20-89, Cl. 558-363.000.

Mathews, Keith L.: *See—*
  Smallegan, Jon M.; and Mathews, Keith L., 4,834,432, Cl. 292-169.210.

Mathews, Malcolm R., III. Laryngoscope. 4,827,910, 5-9-89, Cl. 128-11.000.

Mathews, Max V., to Leland Stanford Junior University, The Board of Trustees of the. Bimorphic piezoelectric pickup device for stringed musical instruments. 4,860,625, 8-29-89, Cl. 84-1.160.

Mathews, Rita W.; and Johnson, Alan J., to New York University. Method for purifying antihemophilic factor. 4,847,362, 7-11-89, Cl. 530-383.000.

Mathews, Roger A.; and Cannell, David W., to Redken Laboratories, Inc. Scalp treatment. 4,814,351, 3-21-89, Cl. 514-566.000.

Mathews, Roger A.; Moore, Edward R.; and Cannell, David W., to Redken Laboratories, Inc. Permanent wave composition. 4,816,246, 3-28-89, Cl. 424-72.000.

Mathews, Roger A.; Moore, Edward R.; and Cannell, David W., to Redken Laboratories, Inc. Hair-waving process. 4,840,791, 6-20-89, Cl. 424-71.000.

Mathews, Waldemar: *See—*
  Schweitzer, Stefan; Golde, Ernst; and Mathews, Waldemar, 4,846,852, Cl. 55-31.000.

Mathewson, Wilfred F.: *See—*
  Tu, Roger; and Mathewson, Wilfred F., 4,882,113, Cl. 264-127.000.

Mathgen, Georges; and Assa, Charles, to Paul Wurth S.A.; and Arbed S.A. Discharge control device. 4,869,406, 9-26-89, Cl. 222-599.000.

Mathias, Lon J.; and Kusefoglu, Selim H., to University of Southern Mississippi. Acrylate ester ether derivatives. 4,889,948, 12-26-89, Cl. 560-181.000.

Mathias, Milton W.; and Wilda, Douglas W., to Honeywell Inc. Absolute pressure transducer and method for making same. 4,888,992, 12-26-89, Cl. 73-727.000.

Mathias, Ralph R. Camouflage shield for archers. 4,817,579, 4-4-89, Cl. 124-23.00R.

Mathiesen, George E.; and Mayo, Charles H., II, to Mediverse Inc. Safety syringe. 4,861,338, 8-29-89, Cl. 604-110.000.

Mathiesen, Mait M.; Gillberg, Lars I.; Hellsten, Karl M. E.; and Karlsson, Gunvor B. T., to AB Carbogel; and Berol Kemi AB. Process for producing a slurry of a pulverized carbonaceous material. 4,887,383, 12-19-89, Cl. 44-51.000.

Mathieu, Bernd, to Fresenius AG. Arrangement for peritoneal dialysis and connector therefore. 4,878,516, 11-7-89, Cl. 137-240.000.

Mathieu, Evelyne: *See—*
  Bardy, Andre; Conti, Maria-Louisa; Courtieu, Jacques; Mathieu, Evelyne; and Grzyb, Joelle, 4,804,529, Cl. 424-9.000.

Mathiowitz, Edith; and Langer, Robert S., to Massachusetts Institute of Technology. Preparation of multiwall polymeric microcapsules. 4,861,627, 8-29-89, Cl. 427-213.310.

Mathis, Christian, to Iveco Fiat S.p.A.; and Dereco Dieselmotoren Forschungs-und Entwick-lungs-AG. Fuel injection system for an internal combustion engine. 4,884,545, 12-5-89, Cl. 123-447.000.

Mathis, George P., II. Sliding truck window bar lock. 4,846,51 7-11-89, Cl. 292-262.000.

Mathis, Lee R.; Panagotacos, George W.; Panagotacos, Steve K.; and Bruce, Ronald A., to Innovative Scientific Development, Inc. Electric resistance air reating system for an aircraft cabin. 4,814,57 3-21-89, Cl. 219-202.000.

Mathis, Logan H.: *See—*
  Weiler, Charles A.; and Mathis, Logan H., 4,883,091, Cl. 137-625.640.

Mathis, Michel, to Hesston S.A. Pickup baler for making parallelepipedic bales. 4,862,797, 9-5-89, Cl. 100-189.000.

Mathis, Oscar, to General Kinematics Corporation. Oscillating discharge chute. 4,846,676, 7-11-89, Cl. 432-77.000.

Mathis, Robert B.: *See—*
  Ferriter, Kate M.; and Mathis, Robert B., 4,847,761, Cl. 364-401.000.
  Ferriter, Kate M.; and Mathis, Robert B., 4,875,162, Cl. 364-401.000.

Mathis, Ronald F.: *See—*
  Lux, Paul A.; and Mathis, Ronald F., 4,871,907, Cl. 250-227.00

Mathis, Terry D.; and Miller, Calvin M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber connector comprising drawn glass tubes. 4,850,670, 7-25-89, Cl. 350-96.21

Mathison, Allen D.; and Nelson, Dale K., to Cherne Industries, Inc. High pressure mechanical plug device. 4,817,671, 4-4-89, Cl. 138-89.000.

Mathivat, Denis: *See—*
  Blasquez-Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, 4,838,920, Cl. 65-104.00

Mathubara, Tomoki: *See—*
  Kanazawa, Yuzo; and Mathubara, Tomoki, 4,849,046, Cl. 156-267.000.

Mathur, Anoop K.: *See—*
  Aasen, Robert K.; Turck, Donald C.; and Mathur, Anoop K., 4,802,100, Cl. 364-494.000.

Mathur, Krishna S.; and Werni, Ferdinand, to Santrade Ltd. Apparatus for the purification of contaminated sulfur. 4,816,225, 3-28-89, Cl. 422-262.000.

Mathur, Mahendra P.; and Ekmann, James M., to United States of America, Energy. Apparatus having inductively coupled coax coils for measuring buildup of slay or ash in a furnace. 4,829,2 5-9-89, Cl. 324-204.000.

Mathus, Gregory: *See—*
  Lyman, George; and Mathus, Gregory, 4,824,642, Cl. 422-100.00

Mathusima, Tokunori: *See—*
  Nakamura, Shozo; Mathusima, Tokunori; and Tsuji, Kaz 4,840,766, Cl. 376-378.000.

Mathy, Ignaz; and Scharf, Gunther, to Vereinigte Aluminium-Werke Aktiengesellschaft. High temperature-resistant aluminum alloy and process for its production. 4,832,737, 5-23-89, Cl. 75-249.000.

Mathys, Robert, to Robert Mathys Co. Artificial hip joint socket with hydraulic head support. 4,840,631, 6-20-89, Cl. 623-22.000.

Matics Srl: *See—*
  D'Agnolo, Armando, 4,810,155, Cl. 414-331.000.

Matier, William L.; Woo, Chi; and Lee, Ying-Chi, to Du Pont de Nemours, E. I., and Company. Clindamycin-2-phosphoryl benzylate 4,849,515, 7-18-89, Cl. 536-16.500.

Matier, William L.: *See—*
  Erhardt, Paul W.; and Matier, William L., 4,804,677, Cl. 514-435.000.
  Kam, Sheung T.; Matier, William L.; Patil, Ghanshyam; and Ma Khuong H. X., 4,798,892, Cl. 544-146.000.
  Kam, Sheung T.; and Matier, William L., 4,810,717, Cl. 514-377.000.
  Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,704, Cl. 514-235.800.
  Stout, David M.; Matier, William L.; and Black, Lawrence A., 4,810,714, Cl. 514-326.000.

Matiere, Marcel. Process for obtaining hollow structures such as conduits, silos or shelters. 4,835,936, 6-6-89, Cl. 52-741.000.

Matiere, Marcel. Enclosed structures of very large cross-section, such as conduits, silos or shelters. 4,836,714, 6-6-89, Cl. 405-134.000.

Matiere, Marcel. Buried large cross-section conduit. 4,869,294, 9-26-8 Cl. 138-105.000.

Matilainen, Aarre: *See—*
  Luukkala, Mauri; Matilainen, Aarre; and Viirto, Jarmo, 4,882,4 Cl. 250-577.000.

Matin, Barry D.: *See—*
  Trepus, George E., Jr.; Matin, Barry D.; and Rider, Preston L., 4,806,401, Cl. 428-36.100.

Matin, Edward S.; and Wieserman, Larry F., to Aluminum Company of America. Active material produced from metal oxide/hydroxide particles and phosphate esters. 4,871,711, 10-3-89, Cl. 502-415.00

Matin, Ethel; and Boff, Kenneth R., to United States of America, Air Force. Sequential rapid communication visual displays. 4,845,6 7-4-89, Cl. 364-521.000.

Matje, Peter; and Diesch-Muller, Stefanie, to Elektroschmelzwerk Kempten GmbH. Stable slip-casting compositions having a base of powders containing finely divided aluminum nitride. 4,814,3 3-21-89, Cl. 501-96.000.

Matjukhina, Ljudimila I.: *See—*
  Dimitrov, Dimith T.; Matjukhina, Ljudimila I.; Mikhalev, Alexandr S.; and Chushenkov, Igor M., 4,888,538, Cl. 318-675.00

Matko, Janos: *See—*
  Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, 4,880,732, Cl. 435-29.000.

Matkovich, Vlado I.; Martin, Jerold; and Degen, Peter J., to Pall Corporation. Well-type diagnostic plate device. 4,797,259, 1-10-89, Cl. 422-101.000.

Matkovich, Vlado I., to Pall Corporation. Low pressure drop bacterial filter and method. 4,798,676, 1-17-89, Cl. 210-767.000.

Matkovich, Vlado I.; and Degen, Peter J., to Pall Corporation. Multiwell plates containing membrane inserts. 4,828,386, 5-9-89, Cl. 356-246.000.

Matkovich, Vlado I.: *See—*
  Pall, David B.; Degen, Peter J.; Matkovich, Vlado I.; and Gsell, Thomas C., 4,861,617, Cl. 427-2.000.

Matl, Helmut, to VDO Adolf Schindling AG. Indicating instrument. 4,886,227, 12-12-89, Cl. 248-27.100.

Matlack, Albert S.; and Paisner, Martin J., to Hercules Incorporated. Co-polymer-bound amine antioxidants. 4,812,543, 3-14-89, Cl. 526-281.000.

Matlack, Albert S., to Hercules Incorporated. Nitrogen compounds that delay the metathesis polymerization of cycloolefins. 4,883,849, 11-28-89, Cl. 526-141.000.

Matlack, Richard C., Jr.: *See—*
  Cooper, Ronald J.; Marsico, Mario A.; Matlack, Richard C., Jr.; Pescatore, John C.; and Smith, Robert L., Jr., 4,870,566, Cl. 364-200.000.

Matlen, Abraham J. Shielded lamp unit. 4,818,849, 4-4-89, Cl. 219-354.000.

Matles, William B., to Glass Medic, Inc. Apparatus for repair of shatter-proof glass. 4,826,413, 5-2-89, Cl. 425-12.000.

Matlock, David K.; Riendeau, Michael P.; and Robinson, Mark L., to Colorado School of Mines. Process for making a metallic article with improved resistance to surface cracking during cold forming. 4,883,545, 11-28-89, Cl. 148-12.00B.

Matlock, Dryer A.: *See—*
  Lichtel, Richard L., Jr.; Pearce, Lawrence G.; and Matlock, Dryer A., 4,818,725, Cl. 437-203.000.

Matlock, Dyer A.; and Lichtel, Richard L., Jr., to Harris Corp. Method for forming planarized interconnect level using selective deposition and ion implantation. 4,814,285, 3-21-89, Cl. 437-24.000.

Matlock, Dyer A.: *See—*
  O, Kenneth K.; Pearce, Lawrence G.; and Matlock, Dyer A., 4,829,359, Cl. 357-42.000.

Matlock, Gordon E. Toggle tie plate fastening system. 4,819,869, 4-11-89, Cl. 238-298.000.

Matlock, Gordon E. Tie plate rail fastening system. 4,828,172, 5-9-89, Cl. 238-298.000.

Matloff, Norman: *See—*
  Kowel, Stephen T.; Matloff, Norman; and Eldering, Charles, 4,813,772, Cl. 350-388.000.

Matloubian, Mishel: *See—*
  Hite, Larry R.; Houston, Ted; and Matloubian, Mishel, 4,863,878, Cl. 437-026.000.

Matney, Earl G., to Tektronix, Inc. Apparatus for displaying the phase and amplitude of a chrominance signal. 4,811,083, 3-7-89, Cl. 358-10.000.

Matney, Earl G., to Tektronix, Inc. Subtraction of wide band signals. 4,888,725, 12-19-89, Cl. 364-807.000.

Matoba, Akio: *See—*
  Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.

Matoba, Hideaki; Mohri, Shunji; and Ishikawa, Masaru, to Hitachi, Ltd. Teaching apparatus for robot. 4,831,548, 5-16-89, Cl. 364-513.000.

Matoba, Hideyasu. Mounting of a planetary gear assembly on a casing. 4,838,123, 6-13-89, Cl. 74-801.000.

Matoba, Hiroshi, to Yoshida Kogyo K. K. Strap retainer. 4,799,298, 1-24-89, Cl. 24-140.000.

Matoba, Tsukasa: *See—*
  Kurihara, Motoshi; and Matoba, Tsukasa, 4,818,978, Cl. 340-706.000.
  Sato, Mitsuo; Matoba, Tsukasa; and Okamoto, Toshio, 4,876,657, Cl. 364-521.000.

Matoba, Yuji: *See—*
  Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.

Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhelyi, Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gerlei, Aniko, nee Komaromy, to Reanal Finomvegyszergyar. Succinic acid derivatives and plant growth regulating compositions containing them. 4,846,883, 7-11-89, Cl. 71-106.000.

Matolcsy, Gyorgy; Bordas, Barna; Gimesi, Antal; Kovacs, Magdolna; and Tuske, Marton, to Eszakmagyarorszagi Vegyimuvek. Substituted acetamide derivatives with an antidote action, antidote compositions containing such compounds, selective herbicide compositions containing these antidotes and a process for the preparation of substituted acetamide derivatives. 4,843,177, 6-27-89, Cl. 564-209.000.

Matolcsy, Gyorgy: *See—*
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Maton, Maurice E. G., to Beaumont (U.K.) Limited. Vertical tube water heater. 4,846,150, 7-11-89, Cl. 126-362.000.

Maton, Michel: *See—*
  Bayerlein, Friedrich; Kuhn, Manfred; and Maton, Michel, 4,826,700, Cl. 426-573.000.

Maton, Michel M.: *See—*
  Bayerlein, Friedrich; Keramaris, Nikolaos; Kottmair, Nikolaus; Kuhn, Manfred; and Maton, Michel M., 4,840,811, Cl. 426-430.000.

Matone, Charles J., Jr.: *See—*
  Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., 4,831,236, Cl. 219-271.000.

Matono, Takaaki: *See—*
  Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.

Matousek, Robert A.: *See—*
  Ricketts, Jon E.; Lucas, James R.; and Matousek, Robert A., 4,869,272, Cl. 460-100.000.

Matov, Vladimir K.: *See—*
  Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Matovich, Edwin, to MKR, Inc. Reclamation of metals by flash direct reduction. 4,822,410, 4-18-89, Cl. 75-0.50B.

Matra: *See—*
  Charlier, Jean; Geenen, Bernard; Laurent, Bernard; Lorsignol, Jean; Malherbe, Andre; and Perbos, Jean-Luc, 4,800,556, Cl. 370-3.000.
  Hembise, Dominique, 4,848,236, Cl. 102-427.000.
  Thierry, Bomer, 4,881,809, Cl. 356-5.000.

Matra Automobile: *See—*
  Viard, Alain, 4,833,826, Cl. 49-246.000.

Matra Manurhin Defense: *See—*
  Lechelle, Alain; Guidat, Thierry; and Bruckert, Serge, 4,839,978, Cl. 42-65.000.

Matra-Werke GmbH: *See—*
  Fey, Hans, 4,847,928, Cl. 4-661.000.
  Fey, Hans; and Czapiewski, Manfred, 4,859,072, Cl. 366-165.000.

Matracia, Anthony: *See—*
  Linda, John W.; and Matracia, Anthony, 4,796,808, Cl. 239-175.000.

Matras, Stephen: *See—*
  Luton, Michael J.; Ayer, Raghavan; Petkovic-Luton, Ruzica; Vallone, Joseph; and Matras, Stephen, 4,818,481, Cl. 419-67.000.

Matray, Attila: *See—*
  Pomplun, William S.; Christianson, Rodney C.; Jacobs, Mark C.; and Matray, Attila, 4,816,094, Cl. 156-85.000.

Matre, Daniel A.; and Bleustein, Jeffrey L., to Harley-Davidson, Inc. Bicycle or tricyle. 4,826,191, 5-2-89, Cl. 280-261.000.

Matre, Rita. Sitting patient leg restraint. 4,819,663, 4-11-89, Cl. 128-876.000.

Matreci, Robert J.: *See—*
  Nicholson, Dean B.; and Matreci, Robert J., 4,888,569, Cl. 333-209.000.

Matrick, Howard: *See—*
  McCartin, Peter J.; Grubb, Eugene L.; Held, Robert P.; Matrick, Howard; and Rakoczy, Bohdan, 4,869,996, Cl. 430-286.000.

Matrix Medica, Inc.: *See—*
  Gilding, D. Keith; Reed, Andrew M.; Askill, Ian N.; and Briana, Stephen G., 4,813,966, Cl. 623-66.000.
  Reed, Andrew M.; Askill, Ian N.; and Weber, Willis W., 4,849,458, Cl. 521-159.000.

Matrix Recovery Systems: *See—*
  Capella, Joseph A., 4,834,840, Cl. 202-172.000.

Matrix Technologies, Incorporated: *See—*
  Ramsey, Charles, 4,824,351, Cl. 425-135.000.
  Wallace, Jack E.; and Blum, Kenneth, 4,844,866, Cl. 422-56.000.

Matrone, Harry A.: *See—*
  Hayes, William J.; Matrone, Harry A.; and Johnson, Philip D., 4,880,477, Cl. 148-141.000.

Matrone, John L.; Stamp, Ronald L.; and Babcock, Douglas M., to CIMM, Inc. System for configuring, automating and controlling operations performed on PCBS and other products. 4,850,104, 7-25-89, Cl. 29-829.000.

Matros, Jury S.; Chumachenko, Viktor A.; Zudilina, Ljudmila J.; Noskov, Alexandr S.; and Bugdan, Evgeny S., to Institut Kataliza Sibirskogo Otdelenia Akademii Nauk SSSR; and Spetsialnoe Konstruktorsko-Technologicheskoe Bjuro Katalizatorov S Optnym Zavodom (Skib Katalizatorov). Method of catalytic cleaning of exhaust gases. 4,877,592, 10-31-89, Cl. 423-245.100.

Matrox Electronics Systems Limited: *See—*
  Trottier, Lorne, 4,802,170, Cl. 371-40.000.

Matrozza, Mark A.; Leverone, Marianne F.; and Boudreaux, Donald P., to Microlife Technics, Inc. Bacterial composition for inhibiting psychrotrophic bacteria in cream or milk based products. 4,880,743, 11-14-89, Cl. 435-252.400.

Matrozza, Mark A.: *See—*
  Boudreaux, Donald P.; and Matrozza, Mark A., 4,847,097, Cl. 426-56.000.
  Boudreaux, Donald P.; Matrozza, Mark A.; and Leverone, Marianne F., 4,874,704, Cl. 435-252.900.

Matsch, L. Charles: *See—*
Derrick, James W.; and Matsch, L. Charles, 4,857,176, Cl. 209-392.000.
Matsch, Pamela A.: *See—*
Berdahl, Donald R.; and Matsch, Pamela A., 4,808,731, Cl. 549-241.000.
Matschinsky, Wolfgang, to Bayerische Motoren Werke A.G. Wheel suspension for the driven rear wheels of motor vehicles. 4,828,279, 5-9-89, Cl. 280-690.000.
Matsen, John M.: *See—*
Yourtee, John B.; and Matsen, John M., 4,828,681, Cl. 208-127.000.
Matsi, Inc.: *See—*
Merry, Glenn W., 4,838,442, Cl. 215-228.000.
Matsievsky, Jury B.: *See—*
Lutaenko, Vyacheslav F.; Matsievsky, Jury B.; Kostromitin, Valery A.; Abramovich, Grigory M.; and Bogoyavlensky, Igor F., 4,850,876, Cl. 434-265.000.
Matsko, Joseph J.; and Saletta, Gary F., to Westinghouse Electric Corp. Circuit interrupter apparatus with a style saving rating plug. 4,809,125, 2-28-89, Cl. 361-93.000.
Matsko, Joseph J.: *See—*
Saletta, Gary F.; and Matsko, Joseph J., 4,827,369, Cl. 361-96.000.
Matson, Boris R. Shellfish trap. 4,821,451, 4-18-89, Cl. 43-102.000.
Matson, Carl. Boat mooring device. 4,817,551, 4-4-89, Cl. 114-230.000.
Matson, Charles B., to Cincinnati Milacron Inc. Cutting tool wheel having a removable abrasive belt. 4,823,516, 4-25-89, Cl. 51-367.000.
Matson, Don P.; and Carpenter, William A., to John Fluke Mfg. Co., Inc. Fiber optic guard crossing of circuits having analog and digital sections. 4,847,507, 7-11-89, Cl. 250-551.000.
Matson, Lawrence W.; Southland, Stephen G.; and Jackson, Roy T., to Diamant Boart-Straiabit (USA) Inc. Orientable fluid nozzle for drill bits. 4,794,995, 1-3-89, Cl. 175-393.000.
Matson, Les; and Sela, Richard, to Moxee Innovations Corporation. Tensioning device for flexible drive element. 4,798,562, 1-17-89, Cl. 474-101.000.
Matson, Michael S., to Phillips Petroleum Company. Process for the production of lactams. 4,800,227, 1-24-89, Cl. 548-543.000.
Matson, Stephen L., to Sepracor, Inc. Multiphase asymmetric membrane reactor systems. 4,795,704, 1-3-89, Cl. 435-41.000.
Matson, Stephen L., to Sepracor, Inc. Method for resolution of stereoisomers in multiphase and extractive membrane reactors. 4,800,162, 1-24-89, Cl. 435-280.000.
Matson, Stephen L., to Sepracor Inc. Production of low-ethanol beverages by membrane extraction. 4,816,407, 3-28-89, Cl. 435-287.000.
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Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.
Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akutsu, Takashi; and Tateishi, Naofumi, to Casio Computer Co., Ltd. Electronic musical instrument with key scaling using multiple set points. 4,854,209, 8-8-89, Cl. 84-1.010.
Matsubara, Akira: *See—*
Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
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Matsubara, Akitoshi: *See—*
Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; and Matsubara, Akitoshi, 4,882,258, Cl. 430-108.000.
Matsubara, Chiaki; Ishikawa, Hirokuni; and Ojima, Masao, to Kabushiki Kaisha Yaskawa Denki Seisakusho. Fault current limiting device. 4,890,186, 12-26-89, Cl. 361-103.000.
Matsubara, Eigi: *See—*
Baba, Susumu; Matsubara, Eigi; Iwaosa, Katsuaki; and Tanaka, Akira, 4,818,676, Cl. 430-574.000.
Matsubara, Hirokazu: *See—*
Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.
Matsubara, Hironaga: *See—*
Mizoguchi, Akira; Shioya, Jun; Yamaguchi, Yoichi; Ueba, Yoshinobu; and Matsubara, Hironaga, 4,795,656, Cl. 427-38.000.
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Matsubara, Ken: *See—*
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,854,678, Cl. 350-356.000.
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, K and Masuda, Tomohiko, 4,887,104, Cl. 350-355.000.
Matsubara, Kiyoshi; Yamaura, Tadashi; Kihara, Toshimasa; and Kashimo, Norishige, to Hitachi, Ltd. Semiconductor device and proc for producing the same. 4,860,087, 8-22-89, Cl. 357-68.000.
Matsubara, Kiyotaka: *See—*
Gotou, Yutaka; and Matsubara, Kiyotaka, 4,847,616, 340-825.000.
Matsubara, Kouji: *See—*
Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Mas Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472
Matsubara, Kousuke; and Fukumura, Takeo, to NHK Spring Co., L Cylinder piston apparatus for a suspension system. 4,813,519, 3-2 Cl. 188-299.000.
Matsubara, Kunihiro: *See—*
Mikami, Masatoshi; and Matsubara, Kunihiro, 4,810,18 431-354.000.
Matsubara, Mamoru; and Takuno, Masami, to Showa Denko Kab Kaisha. Water absorption controlled dehydrating device. 4,819, 4-11-89, Cl. 34-95.000.
Matsubara, Masanobu: *See—*
Kawamura, Hiroaki; Matsubara, Masanobu; Yoshioka, Osamu Inui, Tsuneo, 4,816,348, Cl. 428-629.000.
Matsubara, Mitsuyoshi; and Ito, Yukinobu, to Kabushiki Kaisha shiba. Image processing apparatus. 4,819,188, 4-4-89, Cl. 364-41
Matsubara, Sadahiko: *See—*
Senshu, Hisashi; Matsubara, Sadahiko; and Naito, Ta 4,822,424, Cl. 106-22.000.
Matsubara, Shunsuke: *See—*
Seki, Shinji; and Matsubara, Shunsuke, 4,864,209, Cl. 318-61
Sogabe, Masatoyo; Okuda, Kanemasa; Sakamoto, Keiji; and subara, Shunsuke, 4,882,528, Cl. 318-600.000.
Matsubara, Susumu: *See—*
Suwa, Hisashi; Sato, Seiji; Matsubara, Susumu; Yano, Eiji Koizumi, Katsuyuki, 4,853,804, Cl. 360-85.000.
Matsubara, Tamotsu: *See—*
Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, No Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumi Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.
Matsubara, Tetsuyuki: *See—*
Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara suyuki; and Ando, Toshihiko, 4,808,661, Cl. 525-73.000.
Matsubara, Toshiaki: *See—*
Suzuki, Yasunaga; Matsubara, Toshiaki; and Uragami, 4,827,368, Cl. 361-88.000.
Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Ka Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Ma Toshiaki, 4,879,480, Cl. 307-446.000.
Matsubara, Toshihiko; and Fujiwara, Akira, to Honda Giken K Kabushiki Kaisha. Wear resistant slide member made of ir sintered alloy. 4,796,575, 1-10-89, Cl. 123-90.440.
Matsubara, Toshihiko: *See—*
Sonoda, Toshinari; Matsubara, Toshihiko; Otowa, Takah Yoshida, Kazuo, 4,807,576, Cl. 123-90.570.
Matsubara, Toshiyuki: *See—*
Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Mats Toshiyuki; and Terasaka, Teiji, 4,888,586, Cl. 340-825.0
Matsubara, Yasushi; Miyagawa, Minoru; and Takahashi, Mas Tohoku Dotetsu Kabushiki Kaisha. Durable epoxy resin pai position. 4,882,371, 11-21-89, Cl. 523-406.000.
Matsubara, Yoshihiro: *See—*
Miyata, Shigeru; and Matsubara, Yoshihiro, 4,824,24 356-133.000.
Miyata, Shigeru; and Matsubara, Yoshihiro, 4,843,24 250-574.000.
Matsubara, Yuzuru. Method of producing heat with micro 4,822,966, 4-18-89, Cl. 219-10.55M.
Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Michio; S Takashi; and Ikegami, Tamotsu, to Toyo Seikan Kaisha, Ltd open lid in which score cut edge can be covered and proc preparation thereof. 4,887,732, 12-19-89, Cl. 220-90.600.
Matsubayashi, Hiroshi: *See—*
Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, H Kobayashi, Seishichi; Taira, Kazuo; and Ueno, H 4,863,063, Cl. 220-458.000.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Se Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Ka 4,805,795, Cl. 220-75.000.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Se Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Ka 4,840,304, Cl. 228-214.000.
Matsubayashi, Saburo: *See—*
Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Mats Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, S Minami, Masaharu; Hayakawa, Masayuki; and K Noriyuki, 4,879,788, Cl. 26-94.000.
Matsubayashi, Shigeaki: *See—*
Gotou, Makoto; and Matsubayashi, Shigeaki, 4,878,1 364-158.000.
Matsubayashi, Shinji: *See—*
Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru Susumu; and Matsubayashi, Shinji, 4,831,837, Cl. 62-239
Matsubayashi, Tooru: *See—*
Hirose, Masahiko; Kuratsuji, Takatoshi; Matsubayashi, Too Sakai, Kouichi, 4,844,987, Cl. 428-474.400.

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Eguchi, Koji, 4,859,622, Cl. 437-47.000.
Matsuda, Akira; and Kimura, Hajime, to Kawasaki Steel Corporation. Method of producing a both-side electrogalvanized steel strip in a chloride bath. 4,804,444, 2-14-89, Cl. 204-28.000.
Matsuda, Akira: *See—*
Otawa, Yasuhiko; Tojo, Tetsuo; Matsuda, Akira; and Okamoto, Katsuo, 4,818,785, Cl. 524-576.000.
Yonekura, Katsuyoshi; Uchiyama, Akira; and Matsuda, Akira, 4,800,130, Cl. 428-517.000.
Matsuda, Atsuya: *See—*
Sato, Toru; Matsuda, Atsuya; Shibata, Masaru; and Onohara, Masayuki, 4,837,047, Cl. 422-41.000.
Matsuda, Chuichi: *See—*
Inoue, Takao; Saeki, Keiji; Matsuda, Chuichi; and Murakami, Schuichi, 4,824,010, Cl. 228-180.200.
Matsuda, Eiji: *See—*
Fukushima, Masahito; Matsuda, Eiji; Matsuoka, Shigeru; and Yonenaga, Hitoshi, 4,825,308, Cl. 360-46.000.
Sasaki, Hideki; Matsuoka, Shigeru; Matsuda, Eiji; Yonenaga, Hitoshi; and Fukushima, Masahito, 4,890,256, Cl. 364-900.000.
Sato, Tomio; Matsuoka, Shigeru; Matsuda, Eiji; and Yonenaga, Hitoshi, 4,887,165, Cl. 358-474.000.
Matsuda, Fukuhisa: *See—*
Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, 4,882,519, Cl. 313-633.000.
tsuda, Fumio; and Ozaki, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Information storage apparatus. 4,858,235, 8-15-89, Cl. 371-38.000.
tsuda, Fumio: *See—*
Takehana, Tatsuo; and Matsuda, Fumio, 4,856,691, Cl. 226-91.000.
tsuda, Hari: *See—*
Heuer, William H.; and Matsuda, Hari, 4,797,697, Cl. 354-75.000.
Heuer, William H.; and Matsuda, Hari, 4,804,984, Cl. 354-76.000.
suda, Hideaki: *See—*
Shibata, Akihiro; Matsuda, Hideaki; Kohya, Hidehiko; and Katori, Tatsuhiko, 4,814,436, Cl. 536-17.100.
Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
Ueda, Minoru; Matsuda, Hideaki; and Murakami, Koichi, 4,832,987, Cl. 427-297.000.
Ueda, Minoru; Matsuda, Hideaki; and Mori, Hideki, 4,888,403, Cl. 527-103.000.
Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, 4,816,239, Cl. 423-280.000.
Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, 4,863,706, Cl. 423-277.000.
uda, Hideki; and Takahashi, Hidenori, to Bridgestone Corporation. neumatic tires having improved wet performances. 4,884,606, 2-5-89, Cl. 152-209.00R.
suda, Hidemi: *See—*
Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, 4,873,120, Cl. 427-64.000.
Takenaka, Shigeo; Itou, Takeo; and Matsuda, Hidemi. 4,831,307, Cl. 313-478.000.
uda, Hideo; and Hiraoka, Shinitiro, to Sharp Kabushiki Kaisha. utomatic sheet winding and discharging device. 4,838,537, 6-13-89, l. 271-277.000.
uda, Hideo: *See—*
Minami, Hisashi; Matsuda, Hideo; Shimazawa, Yoichi; and Hiraoka, Shinitiro, 4,843,433, Cl. 355-49.000.
uda, Hideyuki: *See—*
Nakanowatari, Jun; Okabe, Kazuya; and Matsuda, Hideyuki, 4,810,061, Cl. 350-334.000.
Okabe, Kazuya; Matsuda, Hideyuki; Iwasaki, Chisato; and Fujimoto, Satoshi, 4,853,755, Cl. 357-23.700.
uda, Hikaru, to Mitsubishi Denki Kabushiki Kaisha. Solid state ging device with adaptive pixel correction. 4,858,013, 8-15-89, Cl. 8-213.170.
uda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and kayama, Kazuo, to Agency of Industrial Science & Technology; d Ministry of International Trade & Industry. Diacetylene-nylon lt compound and method for production of two-dimensional macmolecular crystals and shaped articles using said compound. 14,404, 3-21-89, Cl. 526-285.000.
uda, Hiroaki: *See—*
Nishijima, Nobuyuki; Kominato, Kazunori; and Matsuda, Hiroaki, 4,808,800, Cl. 235-58.0CF.
da, Hiromu: *See—*
mai, Akihiro; Matsuda, Hiromu; Yubakami, Keiichi; and Taguchi, Nobuyoshi, 4,839,337, Cl. 503-227.000.
uda, Hiroshi; Haruta, Masahiro; Munakata, Hirohide; Tomita, shinori; and Hamamoto, Takashi, to Canon Kabushiki Kaisha. tical recording medium and optical recording process using such edium. 4,804,613, 2-14-89, Cl. 430-270.000.
da, Hiroshi: *See—*
Haruta, Masahiro; Matsuda, Hiroshi; Munakata, Hirohide; and Nishimura, Yukuo, 4,818,665, Cl. 430-494.000.
Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Horii, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, 4,849,737, Cl. 340-567.000.
Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.
Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, 4,796,981, Cl. 350-353.000.
Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, 4,816,890, Cl. 357-30.000.
Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
Matsuda, Hiroyuki; and Yamamoto, Takeshi, to Takasago International Corporation. Perfume composition. 4,888,323, 12-19-89, Cl. 512-23.000.
Matsuda, Hisashi; and Naito, Motohiro, to JEOL Ltd. Double-focusing mass spectrometer having Wien filter and MS/MS instrument using such spectrometer. 4,866,267, 9-12-89, Cl. 250-296.000.
Matsuda, Junichi: *See—*
Okuzumi, Fuminori; and Matsuda, Junichi, 4,884,476, Cl. 76-101.00R.
Matsuda, Kazue, to Sendai Mechanic Kogyo Kabushiki Kaisha. Magnetic rotator. 4,806,020, 2-21-89, Cl. 366-273.000.
Matsuda, Kazuo; Inaba, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, to Kabushiki Kaisha Komatsu Seisakusho. Injection molding machine. 4,846,651, 7-11-89, Cl. 425-145.000.
Matsuda, Kazuya: *See—*
Okajima, Hidekazu; and Matsuda, Kazuya, 4,865,433, Cl. 350-429.000.
Matsuda, Keiichi: *See—*
Terada, Atsusuke; Amemiya, Yoshiya; Matsuda, Keiichi; and Oshima, Takeshi, 4,847,272, Cl. 514-337.000.
Matsuda, Keiji: *See—*
Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, 4,822,787, Cl. 514-210.000.
Matsuda, Keiko: *See—*
Kato, Hideo; Shibatya, Hirofumi; and Matsuda, Keiko, 4,804,600, Cl. 430-5.000.
Kato, Hideo; Matsushima, Masaaki; Matsuda, Keiko; and Shibata, Hirofumi, 4,837,123, Cl. 430-269.000.
Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, to Mitsubishi Denki Kabushiki Kaisha. Air conditioner. 4,858,824, 8-22-89, Cl. 236-94.000.
Matsuda, Kenji; Togashi, Kenji; Umemura, Hiroyuki; Okada, Tetsuji; Ishioka, Hidenori; and Aoki, Katsuyuki, to Mitsubishi Denki Kabushiki Kaisha. Air flow control device for an air conditioner. 4,877,183, 10-31-89, Cl. 236-49.300.
Matsuda, Kenji: *See—*
Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
Okada, Tetsuji; Umemura, Hiroyuki; Matsuda, Kenji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,850,203, Cl. 62-209.000.
Matsuda, Kiichi: *See—*
Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, 4,805,017, Cl. 358-105.000.
Matsuda, Koichi: *See—*
Nishikawa, Hiroshi; Matsuda, Koichi; and Nakashima, Masami, 4,795,723, Cl. 501-98.000.
Matsuda, Masaaki: *See—*
Inoue, Yasuhiko; Matsuda, Masaaki; and Akiyoshi, Yoshirou, 4,797,264, Cl. 423-7.000.
Matsuda, Masahiko: *See—*
Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
Matsuda, Masahiro: *See—*
Higuchi, Masahiro; Fukuda, Haruki; Tazaki, Kenshi; Matsuda, Masahiro; and Awazu, Tomohiko, 4,809,267, Cl. 370-86.000.
Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi, and Sato, Tomohiro, to Hitachi, Ltd. Process and apparatus for cleaning nuclear reactor cooling water. 4,880,595, 11-14-89, Cl. 376-313.000.
Matsuda, Masami: *See—*
Asakura, Yamáto; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, 4,831,324, Cl. 324-57.00R.
Matsuda, Masatoshi: *See—*
Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.
Matsuda, Michihiko: *See—*
Ishimitsu, Keiichi; Imagawa, Hiroyuki; Yamada, Tomio; Matsuda, Michihiko; and Kitagawa, Yukio, 4,882,431, Cl. 540-603.000.
Matsuda, Minoru; Itoh, Seiki; and Ono, Hiroshi, to Chisso Corporation. Copolymer of sulfur dioxide and polyalkylpolysilylstyrene. 4,888,392, 12-19-89, Cl. 526-279.000.

Matsuda, Mitsuyoshi: *See—*

Murayama, Fumio; and Matsuda, Mitsuyoshi, 4,821,331, Cl. 381-192.000.

Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, to Minolta Camera Kabushiki Kaisha. Control device for use in a camera having an objective lens. 4,800,409, 1-24-89, Cl. 354-402.000.

Matsuda, Muneaki: *See—*

Ishibashi, Yasuo; Matsuda, Muneaki; and Ashizawa, Kazuhide, 4,822,785, Cl. 514-202.000.

Matsuda, Mutsuhide; Aoyagi, Masao; Furukawa, Hiroshi; and Shimizu, Masami, to Canon Kabushiki Kaisha. Connector for a camera. 4,853,725, 8-1-89, Cl. 354-286.000.

Matsuda, Naotoshi; Tamatani, Masaaki; and Yokota, Kazuto, to Kabushiki Kaisha Toshiba. Rare earth oxysulfide ceramics. 4,863,882, 9-5-89, Cl. 501-94.000.

Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, to Fuji Photo Film Co., Ltd. Positively working resist material. 4,842,986, 6-27-89, Cl. 430-270.000.

Matsuda, Reiko: *See—*

Kubo, Michinori; and Matsuda, Reiko, 4,859,468, Cl. 424-195.100.

Matsuda, Riki: *See—*

Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, 4,807,204, Cl. 369-13.000.

Matsuda, Sadamu; Sakai, Kunito; and Takahama, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Method of producing a semiconductor device having a light transparent window. 4,812,420, 3-14-89, Cl. 437-209.000.

Matsuda, Sadamu: *See—*

Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, 4,798,769, Cl. 428-460.000.

Matsuda, Seiichi: *See—*

Yoshizawa, Isamu; Yanai, Ginjiro; and Matsuda, Seiichi, 4,831,858, Cl. 72-249.000.

Matsuda, Shigeki; Mori, Kazuhiko; Gotou, Wataru; and Ohnuki, Takahiro, to Nippondenso Co., Ltd. and Nihon Parkerizing Co., Ltd. Process for the phosphate chemical conversion treatment of a steel material. 4,880,476, 11-14-89, Cl. 148-253.000.

Matsuda, Shinpei: *See—*

Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.

Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Matsuda, Shinya: *See—*

Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, 4,814,820, Cl. 355-300.000.

Saijo, Hiromitsu; Ikeda, Hiroshi; Hayashi, Masamichi; and Matsuda, Shinya, 4,825,241, Cl. 355-3.0DD.

Matsuda, Shohei: *See—*

Muto, Tetsuji; Matsuda, Shohei; Iwagawa, Yoshihiro; and Yahagi, Toshio, 4,802,711, Cl. 303-96.000.

Matsuda, Shuichi: *See—*

Watakabe, Yaichiro; Okamoto, Tatsuo; and Matsuda, Shuichi, 4,876,164, Cl. 430-5.000.

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Matsuda, Tadahito: *See—*

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Yamashita, Nobuo; Takahashi, Susumu; and Matsui, Hiroshi, 4,824,205, Cl. 350-96.250.

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Matsui, Hisao: *See—*
Kojima, Mitoku; Kohsaka, Hiroji; and Matsui, Hisao, 4,814,143, Cl. 422-83.000.

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Matsui, Jyun: *See—*
Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayashi, Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, 4,833,001, Cl. 428-141.000.

Matsui, Kazuhiro, to Kitagawa Industries Co., Ltd. Fixation device for electronic display. 4,813,642, 3-21-89, Cl. 248-221.300.

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Shibuya, Takehiro; Matsui, Kazuhiro; and Matsumoto, Makoto, 4,835,121, Cl. 501-4.000.

Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Anti-skid control based on duty cycle adjustment. 4,800,498, 1-24-89, Cl. 364-426.020.

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Matsui, Kenji: *See—*
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Maeda, Tsutomu; Matsui, Kiyoshi; Kanno, Takayuki; and Sato, Kunihiro, 4,841,944, Cl. 123-647.000.

Matsui, Koichi: *See—*
Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Matsui, Kunio; Fukase, Hisahiko; Hirata, Atsushi; and Nomura, Akihiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Pouring device for dual-roll type continuous casting machine. 4,883,113, 11-28-89, Cl. 164-428.000.

Matsui, Kunio: *See—*
Hirata, Atsushi; Fukase, Hisahiko; Matsui, Kunio; and Nomura, Akihiro, 4,865,115, Cl. 164-428.000.
Nomura, Akihiro; Fukase, Hisahiko; Matsui, Kunio; and Hirata, Atsushi, 4,804,037, Cl. 164-449.000.

Matsui, Kyaji: *See—*
Hasegawa, Kenji; Matsui, Kyaji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, 4,795,444, Cl. 604-218.000.

Matsui Manufacturing Co., Ltd.: *See—*
Matsui, Osamu, 4,848,990, Cl. 55-378.000.

Matsui, Masahiko: *See—*
Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,803,575, Cl. 360-94.000.
Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,809,113, Cl. 360-132.000.
Sekimoto, Kunio; and Matsui, Masahiko, 4,811,121, Cl.
Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Kawagishi, Masao; Sakumoto, Hideki; and Matsui, 4,844,377, Cl. 242-198.000.

Matsui, Masashi: *See—*
Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, 4,826,818, Cl. 514-21.000.

Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Takayuki; and Isobe, Mitsuo, to Kabushiki Kaisha Toshiba memory with pull-up circuit for pulling-up a potential on a 4,813,022, 3-14-89, Cl. 365-203.000.

Matsui, Masataka; and Ohtani, Takayuki, to Kabushiki Kaisha Static memory using a MIS field effect transistor. 4,815,040, Cl. 365-203.000.

Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Tadamitsu; and Yamane, Takakazu, to Mazda Motor Corpora Coating method in coating line and coating apparatus 4,874,639, 10-17-89, Cl. 427-240.000.

Matsui, Masataka: *See—*
Tsujimoto, Jun-ichi; Matsui, Masataka; Iwai, Hiroshi; and Takayuki, 4,881,202, Cl. 365-200.000.

Matsui, Masayuki: *See—*
Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Koji; yama, Susumu; Hayashi, Sadayuki; and Matsui, 4,833,929, Cl. 73-862.680.

Matsui, Minoru, to NGK Insulators, Ltd. Silicon nitride sintered and a method of manufacturing the same. 4,801,565, 1-31-8 501-98.000.

Matsui, Minoru; and Takahashi, Tomonori, to NGK Insulators, Silicon carbide sintered members. 4,804,589, 2-14-89, Cl. 428

Matsui, Minoru; and Takahashi, Tomonori, to NGK Insulators, Zirconia-coated silicon nitride sintered member. 4,816,340, Cl. 428-698.000.

Matsui, Minoru, to NGK Insulators, Ltd. Silicon nitride sintered 4,830,991, 5-16-89, Cl. 501-97.000.

Matsui, Minoru; and Takahashi, Tomonori, to NGK Insulators, Process of preparing zirconia-coated silicon nitride sintered 4,882,109, 11-21-89, Cl. 264-62.000.

Matsui, Minoru: *See—*
Oda, Isao; Matsui, Minoru; and Tsuno, Nobuo, 4,822, 427-376.300.

Matsui, Mitsuo. Film for keeping freshness of vegetables 4,847,145, 7-11-89, Cl. 428-323.000.

Matsui, Mitsuo: *See—*
Kishi, Hajimu; Matsui, Mitsuo; and Aramaki, Hitoshi, 4,801, 364-474.030.

Matsui, Mizuo; Ohtomo, Fumio; Sato, Koji; and Takahashi, to Tokyo Kogaku Kikai Kabushiki Kaisha. Infusion 4,820,264, 4-11-89, Cl. 604-21.000.

Matsui, Osamu, to Matsui Manufacturing Co., Ltd. Dust adapted for use in a hopper dryer. 4,848,990, 7-18-89, Cl. 55

Matsui, Ryuhei: *See—*
Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,862, 528-215.000.

Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Kawanishi, Hidenori, to Sharp Kabushiki Kaisha. laser array device. 4,811,351, 3-7-89, Cl. 372-50.000.

Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Taneya, Sharp Kabushiki Kaisha. Semiconductor laser array 7-11-89, Cl. 372-50.000.

Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, Kabushiki Kaisha. Index guided semiconductor 4,853,936, 8-1-89, Cl. 372-45.000.

Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Hosoba, Hiroyuki, to Sharp Kabushiki Kaisha. Semiconductor array device. 4,856,015, 8-8-89, Cl. 372-50.000.

Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, to Sharp shiki Kaisha. Semiconductor laser device having a grating 4,872,174, 10-3-89, Cl. 372-45.000.

Matsui, Sadayoshi: *See—*
Kaneiwa, Shinji; Takiguchi, Haruhisa; Yoshida, Matsui, Sadayoshi, 4,799,227, Cl. 372-46.000.
Matsumoto, Mitsuhiro; Matsui, Sadayoshi; and Taneya, 4,815,088, Cl. 372-46.000.
Morimoto, Taiji; Hosoba, Hiroyuki; Matsumoto, neya, Mototaka; and Matsui, Sadayoshi, 4,878, 372-50.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Matsui, Sadayoshi, 4,803,690, Cl. 372-45.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Matsui, Sadayoshi, 4,819,240, Cl. 372-26.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Sadayoshi, 4,842,679, Cl. 156-643.000.
Taneya, Mototaka; Matsui, Sadayoshi; and Matsumoto, 4,799,225, Cl. 372-44.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; Kawanishi, and Matsui, Sadayoshi, 4,813,051, Cl. 372-150.000.
Taneya, Mototaka; Yano, Seiki; Matsui, Sadayoshi; and moto, Mitsuhiro, 4,817,104, Cl. 372-50.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, 4,823,353, Cl. 372-50.000.

Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, Sadayoshi, 4,870,651, Cl. 372-50.000.
Taneya, Mototaka; Takahashi, Kosei; Hayakawa, Toshiro; Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,890,293, Cl. 372-46.000.
Yamamoto, Osamu; Hayashi, Hiroshi; Matsui, Sadayoshi; Takiguchi, Haruhisa; and Miyauchi, Nobuyuki, 4,806,778, Cl. 250-561.000.
Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Matsui, Sadayoshi, 4,806,454, Cl. 430-321.000.
Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,839,900, Cl. 372-46.000.
Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,841,534, Cl. 372-46.000.

Matsui, Shigeaki; Hirai, Eiichi; and Nakamura, Junji, to Kurashiki Boseki Kabushiki Kaisha. Culture cell. 4,871,674, 10-3-89, Cl. 435-284.000.

Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, to Hitachi, Ltd. High speed NMR spectroscopic imaging method. 4,797,616, 1-10-89, Cl. 324-309.000.

Matsui, Shigetomo: *See—*
Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.

Matsui Shikiso Chemical Co., Ltd.: *See—*
Shimizu, Goro; Kamada, Masayasu; and Hayashi, Yoshimi, 4,851,282, Cl. 428-283.000.

Matsui, Shinichi: *See—*
Sugino, Masaru; and Matsui, Shinichi, 4,867,263, Cl. 180-291.000.

Matsui, Shoji: *See—*
Arii, Michio; Kamataki, Yoshihisa; Hino, Shirou; and Matsui, Shoji, 4,854,121, Cl. 60-39.182.

Matsui, Shougo; and Kobayashi, Kenichi, to Fujitsu Limited. Test method and apparatus for a reticle or mask pattern used in semiconductor device fabrication. 4,809,341, 2-28-89, Cl. 382-8.000.

Matsui, Sumio. Dispensing container for paper tissues and the like. 4,877,154, 10-31-89, Cl. 221-48.000.

Matsui, Susumu: *See—*
Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Tosiio, 4,881,167, Cl. 364-200.000.

Matsui, Takayuki; Okuyama, Toshiaki; Sukegawa, Takashi; and Takahashi, Junichi, to Hitachi, Ltd. Vector control system for induction motors. 4,808,903, 2-28-89, Cl. 318-800.000.

Matsui, Takayuki; Okuyama, Toshiaki; Matsutake, Mitsugu; Takahashi, Junichi; and Ito, Masami, to Hitachi, Ltd. Control apparatus for cascaded converter circuit. 4,884,184, 11-28-89, Cl. 363-46.000.

Matsui, Teruhito: *See—*
Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.

Matsui, Teruyuki: *See—*
Shinjo, Katsumi, 4,881,395, Cl. 72-90.000.

Matsui, Toshio; and Egawa, Takeshi, to Minolta Camera Kabushiki Kaisha. Focus detection system and lighting device therefor. 4,803,508, 2-7-89, Cl. 354-403.000.

Matsui, Tokuro; and Egawa, Takeshi, to Minolta Camera Kabushiki Kaisha. Focus detection system and lighting device therefor. 4,827,301, 5-2-89, Cl. 354-403.000.

Matsui, Tomoki; Kimoto, Hidesuke; and Shimizu, Setsuo, to Yuasa Battery Company Limited. Charging control apparatus. 4,855,663, 8-8-89, Cl. 320-20.000.

Matsui, Tooru: *See—*
Toyoguchi, Yoshinori; Yamaura, Junichi; Matsui, Tooru; and Iijima, Takashi, 4,851,309, Cl. 429-194.000.

Matsui, Toru; and Karasaki, Toshihiko, to Minolta Camera Kabushiki Kaisha. Focus detecting system for camera utilizing correction data on the aberration of the photographic lens. 4,818,865, 4-4-89, Cl. 250-201.000.

Matsui, Toru, to Minolta Camera Kabushiki Kaisha. Focus detecting device for camera. 4,835,561, 5-30-89, Cl. 354-403.000.

Matsui, Toru; and Kimura, Kazuo, to Minolta Camera Kabushiki Kaisha. Focus detecting apparatus with both passive and active focus capability. 4,843,227, 6-27-89, Cl. 250-201.000.

Matsui, Toru; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Automatic focus detection system. 4,843,415, 6-27-89, Cl. 354-403.000.

Matsui, Toru: *See—*
Hamada, Masataka; Karasaki, Toshihiko; Matsui, Toru; and Maekawa, Yukio, 4,878,079, Cl. 354-402.000.

Matsui, Toshikazu: *See—*
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.

Matsui, Toshio: *See—*
Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, 4,872,662, Cl. 271-290.000.
Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.
Johdai, Akiyoshi; Kinoshita, Keichi; and Matsui, Toshio, 4,852,867, Cl. 270-53.000.

Matsui Walterscheid Ltd.: *See—*
Suzuki, Tsunehiko, 4,813,810, Cl. 403-322.000.

Matsui, Yasushi: *See—*
Ohya, Jun; and Matsui, Yasushi, 4,843,609, Cl. 372-15.000.

Matsui, Yoshimitsu: *See—*
Ohashi, Masakazu; Horiguchi, Michiyuki; and Matsui, Yoshimitsu, 4,866,705, Cl. 370-85.200.

Matsui, Yosuke: *See—*
Kobata, Tomokazu; and Matsui, Yosuke, 4,889,785, Cl. 430-59.000.

Matsui, Yuichi, to Sumitomo Electric Industries, Ltd. Compound semiconductor device. 4,823,171, 4-18-89, Cl. 357-4.000.

Matsui, Yuji: *See—*
Kunimoto, Akihiro; Takabayashi, Seiichiro; and Matsui, Yuji, 4,797,307, Cl. 427-386.000.

Matsui, Yutaka, to Kabushiki Kaisha Toshiba. Ultrasonic probe. 4,819,651, 4-11-89, Cl. 128-662.030.

Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, to Tokyo Tanabe Company, Limited. Pyrido[1,2-a]pyrimidine compounds, corresponding intermediates and use as SRS-A antagonists. 4,798,832, 1-17-89, Cl. 514-258.000.

Matsuishi, Naoto; Takeda, Haruki; Iizumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, to Tokyo Tanabe Company, Ltd. Imidazo[4,5-b]pyridine compounds and pharmaceutical compositions containing same. 4,808,596, 2-28-89, Cl. 514-303.000.

Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, to Tokyo Tanabe Co. Ltd. Tetrazolyl-substituted pyrido[1,2-a]pyrimidines and use as SRS-A antagonists. 4,816,459, 3-28-89, Cl. 514-258.000.

Matsuju, Yoichi: *See—*
Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, 4,848,912, Cl. 356-376.000.

Matsukane, Tetsuyoshi; and Arai, Kenji, to Toshiba Monofrax Company, Ltd. Ceramic fiber layer fixing pin. 4,810,150, 3-7-89, Cl. 411-508.000.

Matsukawa, Hideki; Masuyama, Takeshi; Hirota, Minoru; Wakahata, Yasuo; Itoh, Masahiro; and Harada, Shinji, to Matsushita Electric Industrial Co., Ltd. Large-sized liquid crystal display. 4,874,227, 10-17-89, Cl. 350-334.000.

Matsukawa, Michimasa: *See—*
Izumitani, Tetsuro; Matsukawa, Michimasa; and Hata, Chiemi, 4,820,662, Cl. 501-73.000.

Matsukawa, Naohiro, to Kabushiki Kaisha Toshiba. Reduced projection type step- and repeat-exposure apparatus. 4,845,530, 7-4-89, Cl. 355-53.000.

Matsukawa, Noritomo; and Ishioka, Katsutoshi, to NOK Corporation. Oil-containing resin and its composition. 4,829,093, 5-9-89, Cl. 521-53.000.

Matsukawa, Shigeru: *See—*
Tanaka, Shinichi; and Matsukawa, Shigeru, 4,862,295, Cl. 360-48.000.

Matsukawa, Takao: *See—*
Hoshi, Norio; Yamaguchi, Tetsuro; Okada, Yasuhiro; and Matsukawa, Takao, 4,881,614, Cl. 180-225.000.

Matsukawa, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Wiring arrangement for semiconductor devices. 4,835,591, 5-30-89, Cl. 357-68.000.

Matsukawa, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,847,673, 7-11-89, Cl. 357-55.000.

Matsukawa, Takayuki: *See—*
Tsukamoto, Katsuhiro; and Matsukawa, Takayuki, 4,859,615, Cl. 437-38.000.

Matsuki, Hideaki: *See—*
Kosho, Akira; Matsuki, Hideaki; Shiratori, Hidefumi; Sawada, Shosaku; and Kondo, Yoshitaka, 4,821,402, Cl. 29-568.000.

Matsuki, Hideo: *See—*
Yagi, Toru; and Matsuki, Hideo, 4,885,944, Cl. 73-862.360.

Matsuki, Kunio: *See—*
Kurosawa, Shigeru; and Matsuki, Kunio, 4,873,295, Cl. 525-420.000.

Matsuki, Taketo; and Nakahara, Akihiro, to Sumitomo Rubber Industries, Ltd. Multi-piece solid golf ball. 4,863,167, 9-5-89, Cl. 273-62.000.

Matsuki, Toshio, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,853,756, 8-1-89, Cl. 355-71.000.

Matsuki, Toshiyuki: *See—*
Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137-143.000.

Matsuki, Toyomi: *See—*
Kamiyama, Akira; Hongo, Nobuhisa; Matsuki, Toyomi; and Kanai, Kenji, 4,857,790, Cl. 310-234.000.

Matsuki, Yuji: *See—*
Ichikawa, Wataru; and Matsuki, Yuji, 4,879,555, Cl. 341-13.000.

Matsuki, Yuuji: *See—*
Shimazu, Wataru; Yuasa, Yasuhiro; and Matsuki, Yuuji, 4,804,913, Cl. 324-208.000.

Matsukiya, Hidetsugu: *See—*
Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.

Matsukubo, Yoshihiro: *See—*
Koshizawa, Toshifumi; and Matsukubo, Yoshihiro, 4,864,504, Cl. 364-426.020.

Matsukuma, Ikuo: *See—*
Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, 4,863,935, Cl. 514-322.000.

Matsukuma, Kanemasa: *See*—
  Fujio, Yoshiharu; Matsukuma, Kanemasa; and Nishimoto, Toshihiko, 4,879,363, Cl. 526-314.000.
Matsukura, Hisao; Yamato, Osamu; and Horii, Hiroyuki, to Oki Electric Industry Co., Ltd. Dielectric filter and a method of manufacture thereof. 4,855,693, 8-8-89, Cl. 333-202.000.
Matsukura, Hisao: *See*—
  Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, 4,808,951, Cl. 333-202.000.
Matsukura, Shigekazu: *See*—
  Oshima, Takehiro; Tanaka, Shoji; and Matsukura, Shigekazu, 4,871,663, Cl. 435-68.000.
Matsukura, Yoshiharu: *See*—
  Sato, Jun; Matsuzaki, Katsumi; and Matsukura, Yoshiharu, 4,866,044, Cl. 514-77.000.
Matsumae, Koyo: *See*—
  Minematsu, Nobuo; Karahashi, Masao; Ota, Munekatsu; Matsumae, Koyo; and Takada, Hashime, 4,833,312, Cl. 235-379.000.
Matsumaru, Haruo: *See*—
  Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, 4,855,795, Cl. 357-2.000.
Matsumaru, Shigeo; Mochizuki, Akihiro; and Isoi, Syuzi, to Kyowa Gas Chemical Industry Co., Ltd. Method of making a molded article of methacrylic resin. 4,830,803, 5-16-89, Cl. 264-135.000.
Matsumi, Hideki: *See*—
  Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, 4,813,345, Cl. 98-94.200.
Matsumi, Takatomo: *See*—
  Kikuchi, Koji; Matsumi, Takatomo; and Takimoto, Kazutoshi, 4,803,854, Cl. 68-12.00R.
Matsumiya, Norifumi: *See*—
  Ueba, Yoshinobu; and Matsumiya, Norifumi, 4,828,359, Cl. 350-96.340.
Matsumoto, Akio: *See*—
  Ito, Haruyuki; and Matsumoto, Akio, 4,818,457, Cl. 264-130.000.
  Ito, Haruyuki; and Matsumoto, Akio, 4,830,802, Cl. 264-135.000.
  Ito, Haruyuki; and Matsumoto, Akio, 4,844,853, Cl. 264-225.000.
  Ito, Haruyuki; and Matsumoto, Akio, 4,874,304, Cl. 425-84.000.
  Ito, Haruyuki; and Matsumoto, Akio, 4,884,959, Cl. 425-84.000.
  Iwaki, Yoshiyuki; Matsumoto, Akio; and Seki, Kimiaki, 4,824,336, Cl. 417-415.000.
  Kishima, Noboru; and Matsumoto, Akio, 4,797,425, Cl. 521-64.000.
  Kishima, Noboru; and Matsumoto, Akio, 4,828,771, Cl. 264-41.000.
Matsumoto, Akira: *See*—
  Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
  Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
  Suzuki, Kenji; Masumoto, Tsuyoshi; Ota, Nobuhiro; Okubo, Mika; Mitera, Masao; Matsumoto, Akira; and Masuda, Shuji, 4,806,265, Cl. 252-62.630.
Matsumoto, Eiichi, to Nissan Motor Co., Ltd. Oil pump driving mechanism. 4,879,981, 11-14-89, Cl. 123-198.00C.
Matsumoto, Eiichi: *See*—
  Kawai, Kouji; Matsumoto, Eiichi; and Teramoto, Masahiko, 4,832,349, Cl. 277-12.000.
Matsumoto, Eiji, to Murakami Seiki Mfg. Co. Ltd. Automatic gap-adjusting brake. 4,828,078, 5-9-89, Cl. 188-196.0BA.
Matsumoto, Fujio: *See*—
  Doi, Hajime; Akai, Norio; and Matsumoto, Fujio, 4,803,584, Cl. 360-133.000.
Matsumoto, Fumio; Terashita, Takaaki; and Sakamoto, Kiichiro, to Fuji Photo Film Co., Ltd. Photographic printing system. 4,827,109, 5-2-89, Cl. 235-375.000.
Matsumoto, Fumio, to Fuji Photo Film Co., Ltd. Image information detecting/processing method. 4,827,526, 5-2-89, Cl. 382-1.000.
Matsumoto, Fumio, to Fuji Photo Film Co., Ltd. Method for correcting color photographic image data on the basis of calibration data read from a reference film. 4,845,551, 7-4-89, Cl. 358-80.000.
Matsumoto, Fumio, to Research Development Corporation of Japan; Nishizawa, Junichi; and Oki Electric Industry Co., Ltd. Method for epitaxial growth of compound semiconductor using MOCVD with molecular layer epitaxy. 4,859,625, 8-22-89, Cl. 437-81.000.
Matsumoto, Fumio, to Fuji Photo Film Co., Ltd. Method of detecting frame edge. 4,864,149, 9-5-89, Cl. 250-561.000.
Matsumoto, Fuyuhiko: *See*—
  Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
Matsumoto, Goro; and Shimizu, Koichi, to Matsumoto, Goro; and Hitachi Medical Corporation. Three-dimensional shape measuring apparatus. 4,802,759, 2-7-89, Cl. 356-376.000.
Matsumoto, Hajime; and Suzuki, Toshio, to Toybox Corporation. Movable target for a throwing game. 4,804,192, 2-14-89, Cl. 273-3[illegible].
Matsumoto, Hajime, to Nec Corporation. Method of operating a data processing system in response to an interrupt. 4,816,992, 3-28-89, Cl. 364-200.000.
Matsumoto, Hajime, to Daicolo Electron Optic Instr. Inc. Photographing apparatus with self-monitoring device. 4,888,605, 12-19-89, Cl. 354-75.000.
Matsumoto, Hajime: *See*—
  Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,87 Cl. 546-214.000.
Matsumoto, Haruo, to Matsumoto Metal Mfg. Co., Ltd. Card 4,838,058, 6-13-89, Cl. 70-355.000.
Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Mor Takayuki; and Miyazaki, Yoshihiro, to Hitachi, Ltd. Micro grammed control data processing apparatus in which operand so and/or operand destination is determined independent of microp gram control. 4,807,113, 2-21-89, Cl. 364-200.000.
Matsumoto, Hidekazu: *See*—
  Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yama chi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hira 4,811,269, Cl. 364-754.000.
  Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yama chi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hira 4,839,846, Cl. 364-748.000.
Matsumoto, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Solar and method of fabricating solar cell. 4,861,387, 8-29-89, 136-256.000.
Matsumoto, Hidetoshi: *See*—
  Maruyama, Tsutomu; Matsumoto, Hidetoshi; and Miyake, shiyuki, 4,882,209, Cl. 428-34.100.
Matsumoto, Hideyuki: *See*—
  Nagai, Yoichiro; and Matsumoto, Hideyuki, 4,841,08 556-430.000.
Matsumoto, Hiromi: *See*—
  Kakehi, Nobuo; Takahashi, Yururu; Higuchi, Norio; Inami Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,8 72-199.000.
Matsumoto, Hironori: *See*—
  Mori, Yoji; Kawamura, Yoshiaki; Matsumoto, Hironori; a Takemura, Yasuhiko, 4,849,478, Cl. 525-211.000.
Matsumoto, Hiroo: *See*—
  Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamiko Yoshimasa; and Tanaka, Sakuya, 4,843,076, Cl. 514-252.0
  Seto, Kiyotomo; Matsumoto, Hiroo; and Sakoda, Ryozo, 4,87 Cl. 558-83.000.
Matsumoto, Hiroshi, to Hitachi, Ltd. Method of starting thermal p plant. 4,868,754, 9-19-89, Cl. 364-431.010.
Matsumoto, Hiroshi: *See*—
  Fuji, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Ta Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Ue Norio, 4,886,877, Cl. 536-23.000.
  Kunichika, Kenji; Matsumoto, Hiroshi; and Shinga, A 4,840,875, Cl. 430-309.000.
  Nagano, Eiki; Yoshida, Ryo; Matsumoto, Hiroshi; Hashi Shunichi; and Kamoshita, Katsuzo, 4,801,408, Cl. 260-508.0
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsum Hiroshi; and Kamoshita, Katsuzo, 4,826,533, Cl. 71-96.00
  Nagano, Eiki; Takemoto, Ichiki; Fukushima, Masayuki; Yosh Ryo; and Matsumoto, Hiroshi, 4,835,286, Cl. 548-369.00
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsum Hiroshi; and Kamoshita, Katsuzo, 4,835,324, Cl. 564-709.0
  Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsum Hiroshi; and Kamoshita, Katsuzo, 4,881,970, Cl. 71-96.00
  Oushiden, Hideshi; and Matsumoto, Hiroshi, 4,816,871, Cl. 3.0CH.
Matsumoto, Hiroyc; Kakimoto, Akira; Nakayasu, Iwao; and Yosa Kazuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Process for trea waste liquids of acid decontamination agents. 4,863,637, 9-5-8 252-628.000.
Matsumoto, Hiroyouki; Okamura, Kazumi; Nakayama, Hide Okasako, Yasuhiro, to Mazda Motor Corporation. V-type eng 4,858,570, 8-22-89, Cl. 123-52.0MV.
Matsumoto, Hiroyuki, to Bridgestone Corporation. Pneumatic tire with grooves of varying cross section. 4,832,099, 5-23-8 152-209.00R.
Matsumoto, Hisao, to Matsumoto Kokan Co., Ltd. Lock nut lock member of shape memory recovery alloy. 4,880,343, 11- Cl. 411-222.000.
Matsumoto, Hisayoshi: *See*—
  Maeda, Yoshihiro; Morisaka, Manabu; and Matsumoto, His 4,848,627, Cl. 224-275.000.
Matsumoto, Hitoshi: *See*—
  Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kat shiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshi 4,822,791, Cl. 514-212.000.
Matsumoto, Ikuo: *See*—
  Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hiro Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; shizawa, Junji; Morishima, Hajime; and Tomimoto, 4,833,268, Cl. 562-444.000.
Matsumoto, Iori: *See*—
  Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Nobukatsu; and Ema, Kenji, 4,797,242, Cl. 264-108.000.
Matsumoto, Isao: *See*—
  Ikoma, Munehisa; Kawano, Hiroshi; Matsumoto, Isao; Yanagihara, Nobuyuki, 4,837,119, Cl. 429-206.000.
  Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Su Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Hasan Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, 4,823,056, Cl. 318-341.000.
Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; Nakamura Shinichi, to Dainippon Pharmaceutical Co., Ltd. stituted-6,8-difluoroquinolines useful as antibacterial agents. 4,795,751, 1-3-89, Cl. 514-254.000.
Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, to Dainippon Pharmaceutical Co., Ltd. Quinoline derivatives, pharmaceutical composition and method of use. 4,886,810, 12-12-89, Cl. 514-312.000.
Matsumoto, Junichi: *See*—
  Nakagawa, Norifumi; and Matsumoto, Junichi, 4,835,564, Cl. 354-435.000.
  Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Matsumoto, Katsumi; Kunii, Hideo; Yamamoto, Hideki; and Mori, Toshiyasu, to Kabushiki Kaisha Toshiba. System with a timer screen, for reserving the recording of TV programs. 4,847,696, 7-11-89, Cl. 358-335.000.
Matsumoto, Katsuo: *See*—
  Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, 4,830,633, Cl. 8-160.000.
Matsumoto, Katsuya: *See*—
  Takahashi, Hiroaki; Okada, Haruo; Matsumoto, Katsuya; and Umino, Masuo, 4,879,039, Cl. 210-635.000.
Matsumoto, Kazuhiko: *See*—
  Hayashi, Yutaka; Matsumoto, Kazuhiko; and Hashizume, Nobuo, 4,811,070, Cl. 357-34.000.
Matsumoto, Kazuhiro, to Canon Kabushiki Kaisha. Eye refractometer. 4,848,896, 7-18-89, Cl. 351-211.000.
Matsumoto, Kazuhiro: *See*—
  Kohayakawa, Yoshimi; and Matsumoto, Kazuhiro, 4,820,037, Cl. 351-211.000.
Matsumoto, Kazuhisa: *See*—
  Ohno, Kiyotaka; Nagase, Hiroshi; Ishikawa, Mamoru; Matsumoto, Kazuhisa; and Nishio, Shintaro, 4,822,804, Cl. 514-337.000.
Matsumoto, Kazumasa: *See*—
  Nakamura, Isao; and Matsumoto, Kazumasa, 4,844,977, Cl. 428-328.000.
Matsumoto, Kazutoshi; and Hyuga, Takehiro, to Sumitomo Metal Mining Company Limited. Dielectric ceramics. 4,830,995, 5-16-89, Cl. 501-135.000.
Matsumoto, Kazuya; and Nakamura, Tsutomu, to Olympus Optical Co., Ltd. Semiconductor imaging device. 4,857,961, 8-15-89, Cl. 357-30.000.
Matsumoto, Kazuya; and Nakamura, Tsutomu, to Olympus Optical Co., Ltd. Solid state image sensor including static induction transistor with gate surrounding source and/or drain. 4,878,120, 10-31-89, Cl. 358-213.120.
Matsumoto, Kazuya: *See*—
  Miyawaki, Mamoru; and Matsumoto, Kazuya, 4,853,919, Cl. 369-46.000.
  Miyawaki, Mamoru; Ogura, Shigetaro; and Matsumoto, Kazuya, 4,856,861, Cl. 350-96.140.
Matsumoto, Kazuyoshi; Miyakawa, Seiichi; Ohdake, Eishu; and Suzuki, Shigeru, to Ricoh Company, Ltd. Flat solid discharging device. 4,803,593, 2-7-89, Cl. 361-225.000.
Matsumoto, Kazuyuki; Hashimoto, Masataka; and Iwata, Michiyoshi, to Teijin Seiki Company Limited. Articulation drive apparatus of industrial robot. 4,846,018, 7-11-89, Cl. 74-804.000.
Matsumoto, Keigo; Yokoi, Shinji; and Fujii, Katsutoshi, to Sankyo Company Limited; and UBE Industries Limited. Phenoxyalkylaminopyrimidine derivatives and insecticidal and acaricidal compositions containing them. 4,845,097, 7-4-89, Cl. 514-234.200.
Matsumoto, Keiichi: *See*—
  Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
Matsumoto, Keiji: *See*—
  Kosaka, Yuko; and Matsumoto, Keiji, 4,8[illegible]3,309, Cl. 364-900.000.
  Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,81[illegible], Cl. 29-157.10A.
  Mohri, Masayuki; and Matsumoto, Keiji, 4,868,114, Cl. 439-76.000.
  Yonezu, Kazuya; and Matsumoto, Keiji, 4,841,440, Cl. 364-200.000.
Matsumoto, Kenichi: *See*—
  Kadowaki, Hidejiro; Hosaka, Akihito; and Matsumoto, Kenichi, 4,812,900, Cl. 358-75.000.
Matsumoto, Kenji, to Oriental Motor Co, Ltd. Method of driving a five-phase stepping motor. 4,799,002, 1-17-89, Cl. 318-696.000.
Matsumoto, Kenji; and Kurihara, Haruki, to Kabushiki Kaisha Toshiba. Semiconductor laser. 4,879,724, 11-7-89, Cl. 372-46.000.
Matsumoto, Kenjiro, to Ashimori Kogyo Kabushiki Kaisha. Automatic-emergency locking retractor for seat belts. 4,817,885, 4-4-89, Cl. 242-107.40A.
Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, to Canon Kabushiki Kaisha. Halftone image recording method using recording data having a plurality of concentrations for one color. 4,860,026, 8-22-89, Cl. 346-1.100.
Matsumoto, Kesafumi, to Kouken Co., Ltd. Water resistance load system. 4,853,[illegible], 8-1-89, Cl. 324-158.00R.
Matsumoto, Kiyohito: *See*—
  Okano, Jun-ichi; and Matsumoto, Kiyohito, 4,800,172, Cl. 437-51.000.
Matsumoto, Kohichi, to Nikon Corporation. Reflection type reduction projection optical system. 4,812,028, 3-14-89, Cl. 350-444.000.
Matsumoto, Koichi; Suenaga, Yutaka; Uehara, Makoto; and Muramatsu, Kiyoyuki, to Nikon Corporation. Multi-wavelength projection exposure and alignment apparatus. 4,798,962, 1-17-89, Cl. 250-548.000.
Matsumoto, Koichi: *See*—
  Kurita, Kenji; Matsumoto, Koichi; and Nakazawa, Toshihiko, 4,825,461, Cl. 379-93.000.
  Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and S[illegible], Kyoichi, 4,806,987, Cl. 355-53.000.
  Uehara, Makoto; Matsumoto, Koichi; Suenaga, Yutaka; and Muramatsu, Kiyoyuki, 4,795,244, Cl. 356-401.000.
Matsumoto, Koji: *See*—
  Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.
Matsumoto Kokan Co., Ltd.: *See*—
  Matsumoto, Hisao, 4,880,343, Cl. 411-222.000.
Matsumoto, Kouichi: *See*—
  Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.
Matsumoto, Kozo, to Canon Kabushiki Kaisha. Apparatus for recording data in suitable format depending on the size of the recording material. 4,827,358, 5-2-89, Cl. 358-296.000.
Matsumoto, Kozo; and Asakawa, Hiroyoshi, to Kyoritsu Gokin Mfg. Co., Ltd. Descaling nozzle. 4,848,672, 7-18-89, Cl. 239-590.500.
Matsumoto, Kuniaki: *See*—
  Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.
Matsumoto, Makaoto: *See*—
  Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,814,475, Cl. 556-489.000.
  Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,876,363, Cl. 549-215.000.
Matsumoto, Makoto: *See*—
  Shibuya, Takehiro; Matsui, Kazuhiro; and Matsumoto, Makoto, 4,835,121, Cl. 501-4.000.
Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, to Hitachi, Ltd.; Nippon Telegraph and Telephone Corporation; and Hitachi Service Engineering, Ltd. Synchrotron radiation source. 4,853,640, 8-1-89, Cl. 328-235.000.
Matsumoto, Masaaki, to Koyo Seiko Co., Ltd. Bearing system for a wheel. 4,883,371, 11-28-89, Cl. 384-559.000.
Matsumoto, Masafumi: *See*—
  Kotani, Matahira; Matsumoto, Masafumi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,827,355, Cl. 358-296.000.
  Shirakoshi, Hiroshi; Kotani, Matahira; Matsumoto, Masafumi; and Morimoto, Hiroshi, 4,839,730, Cl. 358-294.000.
  Tanaka, Hironori; Matsumoto, Masafumi; and Kotani, Matahira, 4,843,903, Cl. 74-354.000.
  Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,844,437, Cl. 271-124.000.
  Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,868,919, Cl. 355-27.000.
Matsumoto, Masaharu; and Tatsumi, Hisato, to Ohi Seisakusho Co., Ltd. Sunshade assembly of motor vehicle. 4,867,220, 9-19-89, Cl. 160-35.000.
Matsumoto, Masaharu: *See*—
  Ishikawa, Seiichi; Matsumoto, Masaharu; Satoh, Katsuaki; and Kawamura, Akihisa, 4,888,808, Cl. 351-103.000.
Matsumoto, Masahiko: *See*—
  Fukuo, Koichi; Shibata, Mitsuhiro; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,858,574, Cl. 123-90.340.
  Shibata, Mitsuhiro; Kumagai, Kazuhide; Fukuo, Koichi; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,807,574, Cl. 123-40.160.
Matsumoto, Masahiro; Watanabe, Akira; Ohhashi, Kazuo; and Isao, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Data transfer control system. 4,845,709, 7-4-89, Cl. 370-86.000.
Matsumoto, Masahiro: *See*—
  Oho, Shigeru; Hirayama, Takeshi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, 4,855,896, Cl. 364-138.000.
  Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-150.000.
Matsumoto, Masahito: *See*—
  Masui, Syohei; Matsumoto, Masahito; and Usui, Nobuhiro, 4,873,041, Cl. 264-135.000.
Matsumoto, Masakatsu; Fujimoto, Tamotsu; and Ejiri, Emiko, to Sagami Chemical Research Center; and Nippon Mining Company, Limited. Process for preparing macrocyclic 2-halogenoketones. 4,861,917, 8-29-89, Cl. 568-347.000.
Matsumoto, Masakazu; Takiguchi, Takao; and Takai, Hideyuki, to Canon Kabushiki Kaisha. Photosensitive member for electrophotography containing trisazo pigment having pyridylene group in its central skeleton. 4,810,607, 3-7-89, Cl. 430-73.000.

Matsumoto, Masakazu, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member comprising disazo compounds having non-symmetric coupler portions. 4,820,602, 4-11-89, Cl. 430-72.000.
Matsumoto, Masakazu: *See—*
Takiguchi, Takao; Matsumoto, Masakazu; and Kikuchi, Toshihiro, 4,798,777, Cl. 430-59.000.
Umehara, Shoji; Matsumoto, Masakazu; Takiguchi, Takao; and Ishikawa, Shozo, 4,830,944, Cl. 430-59.000.
Matsumoto, Masaki: *See—*
Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.
Matsumoto, Masaru: *See—*
Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.
Matsumoto, Masatsugu, to Create System Co., Ltd. Crimp connector and method of attaching wire to it. 4,884,984, 12-5-89, Cl. 439-877.000.
Matsumoto, Masayuki: *See—*
Yoshino, Kosei; Saso, Hirohumi; and Matsumoto, Masayuki, 4,843,360, Cl. 335-80.000.
Matsumoto Metal Mfg. Co., Ltd.: *See—*
Matsumoto, Haruo, 4,838,058, Cl. 70-355.000.
Matsumoto, Mitsuhiro; Matsui, Sadayoshi; and Taneya, Mototaka, to Sharp Kabushiki Kaisha. Semiconductor laser array device. 4,815,088, 3-21-89, Cl. 372-46.000.
Matsumoto, Mitsuhiro: *See—*
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Kawanishi, Hidenori, 4,811,351, Cl. 372-50.000.
Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Taneya, Mototaka, 4,847,847, Cl. 372-50.000.
Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Yamaguchi, Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, 4,853,936, Cl. 372-45.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,856,015, Cl. 372-50.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hosoba, Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, 4,872,174, Cl. 372-45.000.
Morimoto, Taiji; Hosoba, Hiroyuki; Matsumoto, Mitsuhiro; Taneya, Mototaka; and Matsui, Sadayoshi, 4,878,223, Cl. 372-50.000.
Taneya, Mototaka; Matsui, Sadayoshi; and Matsumoto, Mitsuhiro, 4,799,225, Cl. 372-44.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; Kawanishi, Hidenori; and Matsui, Sadayoshi, 4,813,051, Cl. 372-150.000.
Taneya, Mototaka; Yano, Seiki; Matsui, Sadayoshi; and Matsumoto, Mitsuhiro, 4,817,104, Cl. 372-50.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, Sadayoshi, 4,823,353, Cl. 372-50.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, Sadayoshi, 4,870,651, Cl. 372-50.000.
Taneya, Mototaka; Takahashi, Kosei; Hayakawa, Toshiro; Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,890,293, Cl. 372-46.000.
Matsumoto, Mitsujiro: *See—*
Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.
Matsumoto, Mitsuo; and Kaneda, Teruhisa, to Kuraray Company, Ltd. Wholly aromatic polyester. 4,837,268, 6-6-89, Cl. 524-539.000.
Matsumoto, Mitsuo; and Kaneda, Teruhisa, to Kuraray Company, Ltd. Wholly aromatic thermotropic liquid crystal polyester. 4,851,503, 7-25-89, Cl. 528-176.000.
Matsumoto, Motoaki: *See—*
Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.
Matsumoto, Munechika: *See—*
Saruta, Minoru; and Matsumoto, Munechika, 4,846,772, Cl. 474-271.000.
Matsumoto, Mutsuyoshi: *See—*
Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000.
Matsumoto, Naoki; Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, to Nippondenso Co., Ltd. Anti-skid control system for braking of vehicle. 4,811,993, 3-14-89, Cl. 303-100.000.
Matsumoto, Naoyuki, to Horiba, Ltd. Processing circuit for use with DC-voltage-output type sensors. 4,866,297, 9-12-89, Cl. 307-236.000.
Matsumoto, Noboru: *See—*
Saito, Junichi; Tamura, Tatsuo; Kurahashi, Yoshio; Matsumoto, Noboru; and Yamaguchi, Naoko, 4,804,673, Cl. 514-398.000.
Matsumoto, Noriaki; Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kiyohiro; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Substrate bias generator for use in dynamic random access memory. 4,797,001, 1-10-89, Cl. 365-189.000.
Matsumoto, Noriaki: *See—*
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,817,056, Cl. 365-200.000.
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- Matsumura, Kiichiro; Takahashi, Akio, and Tsukamoto, Jun, to Director-General of Agency of Industrial Science & Technology. Highly electroconductive graphite continuous filament and process for preparation thereof. 4,808,475, 2-28-89, Cl. 428-367.000.
- Matsumura, Kiichiro: *See—*
  - Tsukamoto, Jun; Takahashi, Akio; and Matsumura, Kiichiro, 4,816,547, Cl. 528-387.000.
- Matsumura, Kimiharu: *See—*
  - Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.
- Matsumura, Koichi: *See—*
  - Mise, Noritoshi; and Matsumura, Koichi, 4,837,020, Cl. 424-68.000.
- Matsumura, Kousaburou: *See—*
  - Tsutsumi, Yoshitaka; Seita, Toru; Shuyama, Hideo; Matsumura, Kousaburou; and Nakazawa, Kyoko, 4,822,721, Cl. 430-325.000.
- Matsumura, Masami; Sasaki, Toshi; and Ohashi, Yutaka, to Mitsubishi Denki Kabushiki Kaisha. Ignition distributor for an internal combustion engine. 4,833,282, 5-23-89, Cl. 200-19.0DR.
- Matsumura, Mitsuma: *See—*
  - Hasegawa, Tsuneo; Matsumura, Mitsuma; Hashimoto, Atsuki; and Mikiya, Toshio, 4,807,606, Cl. 128-77.000.
- Matsumura, Mitsunobu: *See—*
  - Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.
- Matsumura, Mitsuo; and Yoshida, Toshihiko, to Toa Nenryo Kogyo Kabushiki Kaisha. Method of sythesizing carbon film and carbon particles in a vapor phase. 4,873,115, 10-10-89, Cl. 427-34.000.
- Matsumura, Naoki; and Mochizuki, Toshiyasu, to Koito Manufacturing Co., Ltd. Vehicle spoiler lamp device. 4,845,600, 7-4-89, Cl. 362-80.000.
- Matsumura, Naoki: *See—*
  - Tanaka, Shunji; and Matsumura, Naoki, 4,809,330, Cl. 381-40.000.
- Matsumura, Nobutake; and Sato, Shinji, to Fujitsu Limited. Gate array large scale integrated circuit device. 4,809,029, 2-28-89, Cl. 364-900.000.
- Matsumura, Noriaki: *See—*
  - Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,831,212, Cl. 174-52.400.
  - Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,875,284, Cl. 29-830.000.
- Matsumura, Shigeo: *See—*
  - Koizumi, Tadashi; Yokota, Seiji; Matsumura, Shigeo; and Inoue, Yoshiaki, 4,881,722, Cl. 266-176.000.
- Matsumura, Shogo: *See—*
  - Takeuchi, Hidemaro; Matsumura, Shogo; Tsuboi, Harumi; and Yamamiya, Masao, 4,830,090, Cl. 164-488.000.
- Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Coating composition. 4,826,904, 5-2-89, Cl. 524-314.000.
- Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Coating composition. 4,880,861, 11-14-89, Cl. 524-314.000.
- Matsumura, Shunichi; and Inata, Hiroo, to Teijin Limited. Process for producing shaped polyamide articles. 4,842,797, 6-27-89, Cl. 264-203.000.
- Matsumura, Shuzo; Mizuno, Takanori; Aoki, Noboru; and Suzuki, Takahire, to NGK Spark Plug Co., Ltd. Igniter plug. 4,873,466, 10-10-89, Cl. 313-131.00R.
- Matsumura, Syuusuke; Kojima, Hajime; and Miyano, Takahiro, to Matsushita Electric Works, Ltd. Method and apparatus for forming a metal sheet having a concave-convex profile by chemical vapor deposition. 4,867,223, 9-19-89, Cl. 164-46.000.
- Matsumura, Takashi: *See—*
  - Akamatsu, Takahiro; Nakazato, Hiroshi; Matsumura, Takashi; and Fukui, Kenji, 4,853,880, Cl. 364-559.000.
  - Nakazato, Hiroshi; Matsumura, Takashi; Akamatsu, Takahiro; and Fukui, Kenji, 4,887,904, Cl. 356-375.000.
- Matsumura, Takayoshi: *See—*
  - Nomura, Noboru; Yamashita, Kazuhiro; Matsumura, Takayoshi; and Yamaguchi, Midori, 4,828,392, Cl. 356-401.000.
- Matsumura, Teruyuki, to Fanuc Ltd. Simultaneous four-axis lathe machining time bar-graph display method. 4,853,867, 8-1-89, Cl. 364-474.220.
- Matsumura, Teruyuki, to Fanuc Ltd. Four-axis lathe NC program creation method. 4,878,172, 10-31-89, Cl. 364-191.000.
- Matsumura, Teruyuki: *See—*
  - Kawamura, Hideaki; Sasaki, Takao; and Matsumura, Teruyuki, 4,821,201, Cl. 364-474.200.
  - Kawamura, Hideaki; Matsumura, Teruyuki; and Mineshige, Takahiko, 4,855,898, Cl. 364-191.000.
  - Kishi, Hajimu; Tanaka, Kunio; Yukutomo, Masashi; and Matsumura, Teruyuki, 4,884,211, Cl. 364-474.220.
- Matsumura, Tetsuo: *See—*
  - Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
- Matsumura, Tetsuya: *See—*
  - Segawa, Hiroshi; and Matsumura, Tetsuya, 4,797,585, Cl. 307-594.000.
- Matsumura, Tomoya, to TDK Corporation. Transformer for a flyback type converter. 4,887,061, 12-12-89, Cl. 336-178.000.
- Matsumura, Tooru, to Tonen Sekiyukagaki Kabushiki Kaisha. Stabilizing composition for polyolefins. 4,857,230, 8-15-89, Cl. 252-400.240.
- Matsumura, Toshimi; Omori, Norio; and Kobayashi, Hisanori, to Nippondenso Co., Ltd. Method and apparatus for estimating an atmospheric pressure based on an intact air pressure at a certain time. 4,814,997, 3-21-89, Cl. 364-431.050.

- Matsumura, Yasuharu: *See—*
  - Funahashi, Yoshiko; Kamino, Yoshikazu; Matsumura, Yasuharu; and Harimaya, Senichi, 4,871,513, Cl. 422-56.000.
- Matsumura, Yasuhiro: *See—*
  - Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, 4,844,897, Cl. 424-94.300.
- Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki, Chiaki; and Nagatsuka, Ikutaroh, to Fuji Xerox Co., Ltd. Composition with fatty acid bisamide powder developer. 4,859,558, 8-22-89, Cl. 430-110.000.
- Matsumura, Yasuo: *See—*
  - Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, 4,868,083, Cl. 430-108.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,814,494, Cl. 562-419.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,822,934, Cl. 585-25.000.
  - Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Uchida, Kazumichi, 4,835,337, Cl. 585-471.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,885,419, Cl. 585-25.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,889,952, Cl. 562-460.000.
  - Shimuzu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,836,966, Cl. 264-63.000.
- Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, to House Food Industrial Company Limited. Method for producing fruit chips. 4,859,481, 8-22-89, Cl. 426-445.000.
- Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, to House Food Industrial Company Limited. Method for producing fruit chips. 4,859,487, 8-22-89, Cl. 426-639.000.
- Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fukumoto, Kazumi; and Takeya, Hitoshi, to Mitsubishi Denki Kabushiki Kaisha. Ion beam irradiating apparatus including ion neutralizer. 4,886,971, 12-12-89, Cl. 250-492.200.
- Matsumura, Yasushi: *See—*
  - Akutsu, Shigeru; Matsumura, Yasushi; and Hattori, Ryuichi, 4,809,596, Cl. 99-472.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,798,728, Cl. 426-129.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,840,805, Cl. 426-129.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,842,872, Cl. 426-46.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,871,565, Cl. 426-407.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Hayami, Hiroshi, 4,874,580, Cl. 422-25.000.
- Matsumura, Yoshihiro, to Nippon Air Brake Co., Ltd. Air pressure brake system for a vehicle. 4,804,235, 2-14-89, Cl. 303-9.680.
- Matsumura, Yoshihiro: *See—*
  - Yokoyama, Nobuyoshi; and Matsumura, Yoshihiro, 4,808,107, Cl. 431-1.000.
- Matsumura, Yoshihisa: *See—*
  - Yahagi, Kazuyuki; Tsujii, Kaoru; Hirota, Hajime; and Matsumura, Yoshihisa, 4,824,604, Cl. 252-546.000.
- Matsumura, Yoshio; and Matsui, Hiroshi, to Dainippon Screen Mfg. Co., Ltd. Apparatus and a method for carrying wafers. 4,856,641, 8-15-89, Cl. 198-346.200.
- Matsunaga, Akira: *See—*
  - Wakatsuki, Junya; Katoh, Tohru; Matsunaga, Akira; and Kurosaki, Tomihiro, 4,845,239, Cl. 549-219.000.
- Matsunaga, Hatiro: *See—*
  - Tanase, Teruyoshi; and Matsunaga, Hatiro, 4,844,738, Cl. 75-241.000.
- Matsunaga, Hideki; and Hirate, Naoyuki, to Kabushiki Kaisha Toshiba. Apparatus for introducing samples into an inductively coupled, plasma source mass spectrometer. 4,886,966, 12-12-89, Cl. 250-288.000.
- Matsunaga, Hiroshi: *See—*
  - Kumagai, Toshio; Matsunaga, Hiroshi; Machida, Yoshisuke; Nagase, Yunosuke; Hikida, Muneo; and Nagao, Yoshimitsu, 4,866,171, Cl. 540-350.000.
  - Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, 4,848,912, Cl. 356-376.000.
- Matsunaga, Kenichi: *See—*
  - Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
  - Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
  - Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
- Matsunaga, Kenkichi: *See—*
  - Takagi, Yoshiaki; Isobe, Susumu; and Matsunaga, Kenkichi, 4,871,512, Cl. 420-448.000.
- Matsunaga, Kuniyoshi: *See—*
  - Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, 4,839,279, Cl. 435-25.000.
- Matsunaga, Masafumi: *See—*
  - Akasaki, Toshiro; Matsunaga, Masafumi; Watanabe, Takashi; and Matsushima, Hironari, 4,859,266, Cl. 156-273.100.
- Matsunaga, Mitsunobu: *See—*
  - Murakami, Akihiro; Matsunaga, Mitsunobu; and Tanemura, Yasunari, 4,840,116, Cl. 98-115.200.
- Matsunaga, Nobuyuki: *See—*
  - Endo, Toshihiko; and Matsunaga, Nobuyuki, 4,874,807, Cl. 524-267.000.
  - Endo, Toshihiko; and Matsunaga, Nobuyuki, 4,879,331, Cl. 524-267.000.
- Matsunaga, Osamu: *See—*
  - Tanaka, Yutaka; and Matsunaga, Osamu, 4,839,727, Cl. 358-167.000.
  - Tsutsumi, Hiroshi; Okamura, Morihito; and Matsunaga, Osamu, 4,818,496, Cl. 422-172.000.
- Matsunaga, Ryozo: *See—*
  - Ototake, Satoshi; Matsunaga, Ryozo; and Furusawa, Masao, 4,841,034, Cl. 534-701.000.
- Matsunaga, Satoru: *See—*
  - Mizuno, Toshiya; Yasumi, Hideyuki; and Matsunaga, Satoru, 4,839,129, Cl. 264-235.000.
- Matsunaga, Satoshi: *See—*
  - Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, 4,804,610, Cl. 430-137.000.
- Matsunaga, Shigeki; Ishikawa, Yuichi; and Hosoya, Masachi, to Nippon Seiko Kabushiki Kaisha. Electroconductive sliding apparatus. 4,841,408, 6-20-89, Cl. 361-220.000.
- Matsunaga, Shigeki: *See—*
  - Furumura, Kyozaburo; and Matsunaga, Shigeki, 4,842,426, Cl. 384-478.000.
- Matsunaga, Tadayo: *See—*
  - Suganuma, Heiroku; Taneichi, Shoshiro; Kobayashi, Hisaaki; and Matsunaga, Tadayo, 4,810,055, Cl. 350-96.340.
- Matsunaga, Takahiro: *See—*
  - Ishii, Mitsuaki; Miyazaki, Masaaki; and Matsunaga, Takahiro, 4,885,691, Cl. 364-424.040.
- Matsunaga, Takao; Nakajima, Kazuo; and Kobayashi, Masaki, to Komatsu Zenoah Co. Oil supply system. 4,802,555, 2-7-89, Cl. 184-15.100.
- Matsunaga, Takashi: *See—*
  - Nishimura, Toshihiro; and Matsunaga, Takashi, 4,828,906, Cl. 428-220.000.
- Matsunaga, Toshihide; and Noseyama, Ryuichi, to Honda Giken Kogyo Kabushiki Kaisha. Intake device for internal combustion engine. 4,862,840, 9-5-89, Cl. 123-52.00M.
- Matsunaga, Tsuyoshi; and Shimizu, Hideaki, to Casio Computer Co., Ltd. Liquid-crystal television receiver with cassette tape recorder. 4,803,560, 2-7-89, Cl. 358-236.000.
- Matsunaga, Yoshiyuki: *See—*
  - Iesaka, Mamoru; Matsunaga, Yoshiyuki; Manabe, Sohei; and Harada, Nozomu, 4,807,037, Cl. 358-213.310.
- Matsunaga, Yuuichi: *See—*
  - Kiso, Yoshihisa; Matsunaga, Yuuichi; and Imagawa, Masao, 4,880,942, Cl. 549-228.000.
- Matsunami, Hidenobu; Tsuruda, Takahiro; Hitosugi, Naoki; and Hirukawa, Yoshinori, to Fuji Oil Company, Limited. Process for producing imitation marzipan. 4,880,644, 11-14-89, Cl. 426-46.000.
- Matsunami, Hidenobu: *See—*
  - Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.
- Matsunami, Hiromi, to Kayoh Technical Industry Co., Ltd. Method for production of metallic sticker. 4,869,760, 9-26-89, Cl. 156-151.000.
- Matsunami, Satoshi: *See—*
  - Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, 4,853,546, Cl. 250-432.0PD.
- Matsunawa, Masahiko; and Yamamoto, Hiroyuki, to Konica Corporation. Color image processing apparatus. 4,841,361, 6-20-89, Cl. 358-80.000.
- Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, to Konica Corporation. Color image processing apparatus. 4,864,357, 9-5-89, Cl. 355-32.000.
- Matsunawa, Masahiko: *See—*
  - Abe, Yoshinori; and Matsunawa, Masahiko, 4,833,531, Cl. 358-77.000.
  - Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.
  - Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, 4,814,895, Cl. 358-229.000.
  - Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,600, Cl. 358-51.000.
  - Hiratsuka, Seiichiro; Matsunawa, Masahiko; and Abe, Yoshinori, 4,803,558, Cl. 358-283.000.
  - Hiratsuka, Seiichiro; and Matsunawa, Masahiko, 4,841,377, Cl. 358-283.000.
  - Niki, Hiroshi; Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,879,595, Cl. 358-80.000.
  - Yamamoto, Hiroyuki; and Matsunawa, Masahiko, 4,841,376, Cl. 358-282.000.
- Matsuno, Akira: *See—*
  - Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akihara, Isac, 4,839,458, Cl. 528-196.000.

Matsuno, Chieko, legal representative: *See—*
- Matsuno, Kazuhiro, deceased; Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, 4,797,493, Cl. 548-312.000.

Matsuno, Hiromitsu; Ono, Tetsuo; and Murayama, Seiichi, to Hitachi, Ltd. Compact fluorescent lamp. 4,803,401, 2-7-89, Cl. 313-489.000.

Matsuno, Jyunichi: *See—*
- Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, 4,870,258, Cl. 235-379.000.

Matsuno, Kazuhiro, deceased (by Matsuno, Chieko, legal representative); Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, to Ajinomoto Company, Inc. Benzylidene compounds. 4,797,493, 1-10-89, Cl. 548-312.000.

Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teruuchi, Osamu; and Kurashima, Hideo, to Toyo Seikan Kaisha, Ltd. Butt welding method by means of laser beam. 4,883,937, 11-28-89, Cl. 219-121.640.

Matsuno, Kenji: *See—*
- Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,805,795, Cl. 220-75.000.
- Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, 4,840,304, Cl. 228-214.000.
- Watanabe, Michio; Ishibashi, Kazuhisa; Matsuno, Kenji; and Kurashima, Hideo, 4,800,250, Cl. 219-121.630.

Matsuno, Kiyotaka: *See—*
- Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010
- Tsukamoto, Keisuke; Nagase, Masaomi; and Matsuno, Kiyotaka, 4,862,853, Cl. 123-357.000.

Matsuno, Masao: *See—*
- Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, 4,853,546, Cl. 250-432.0PD.

Matsuno, Mitsuo: *See—*
- Yuasa, Hitoshi; Matsuno, Mitsuo; and Imai, Hirosuke, 4,804,795, Cl. 585-21.000.

Matsuno, Shigehiro: *See—*
- Kitagawa, Ken; Matsuno, Shigehiro; and Toda, Kazuaki, 4,814,133, Cl. 264-174.000.

Matsuno, Takeshi; and Iwata, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Photo detector adjustment device. 4,859,847, 8-22-89, Cl. 250-239.000.

Matsuno, Tatsuji, to Toyo Communication Equipment Co., Ltd. Method for measuring insulation resistance of electric line. 4,851,761, 7-25-89, Cl. 324-62.000.

Matsuno, Tatsuji, to Toyo Communication Equipment Co., Ltd. Method for measuring insulation resistance of electric line. 4,857,830, 8-15-89, Cl. 324-62.000.

Matsuno, Tatsuji, to Toyo Communication Equipment Co., Ltd. Method for compensating for phase of insulation resistance measuring circuit. 4,857,855, 8-15-89, Cl. 324-521.000.

Matsuno, Toshiki: *See—*
- Ito, Masashi; Matsuno, Toshiki; Nakamura, Hiroyuki; and Yasuda, Hiroshi, 4,868,821, Cl. 369-112.000.

Matsuno, Yoshihiro: *See—*
- Minami, Tsutomu; Tohge, Noboru; Katayama, Shinya; and Matsuno, Yoshihiro, 4,810,547, Cl. 428-65.000.

Matsunobu, Kenichi: *See—*
- Kato, Mamoru; Maekawa, Kouji; Matsunobu, Kenichi; Fujie, Naoka; and Hazama, Hiroyuki, 4,826,750, Cl. 430-122.000.

Matsuo, Eiki: *See—*
- Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, 4,834,514, Cl. 350-429.000.

Matsuo, Eito: *See—*
- Matsudaira, Nobuyasu; Kyoya, Michio; Mikogami, Takashi; Okazaki, Yoichiro; Matsuo, Eito; and Takahira, Nobuhiro, 4,799,856, Cl. 415-155.000.

Matsuo, Haruyuki: *See—*
- Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, Cl. 123-617.000.

Matsuo, Hideshige: *See—*
- Furushima, Kiyoshi; Haratoh, Kazunori; and Matsuo, Hideshige, 4,796,671, Cl. 138-140.000.

Matsuo, Hirofumi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Compact zoom lens system. 4,871,241, 10-3-89, Cl. 350-427.000.

Matsuo, Isaya: *See—*
- Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.

Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, to Research Association for Residual Oil Processing. Process of thermally cracking heavy petroleum oil. 4,836,909, 6-6-89, Cl. 208-72.000.

Matsuo, Junichi, to NGK Insulators, Ltd. Automatic ultrasonic testing method. 4,799,387, 1-24-89, Cl. 73-620.000.

Matsuo, Junichi: *See—*
- Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masami; and Tanikawa, Isao, 4,798,697, Cl. 264-255.000.

Matsuo, Kaoru: *See—*
- Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.

Matsuo, Katsuharu; and Azuma, Yoshiyuki, to Kabushiki Kaisha Toshiba. Load state detecting apparatus of an induction motor for controlling the spin dryer of a washing machine. 4,853,605, 8-1-89, Cl. 318-729.000.

Matsuo, Katsuharu: *See—*
- Tanaka, Teruya; and Matsuo, Katsuharu, 4,820,891, Cl. 219-10.770
- Tanaka, Teruya; and Matsuo, Katsuharu, 4,885,456, Cl. 219-497.000.
- Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R.
- Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.

Matsuo, Kazuhiro: *See—*
- Kitajima, Tadayuki; Asakawa, Toshiyuki; Naito, Masataka; Matsuo, Kazuhiro; and Murayama, Toshiaki, 4,854,571, Cl. 271-293.000.

Matsuo, Kenichi; Nakata, Muneo; and Ohara, Toru, to Omron Tateisi Electronics Co. Yoke. 4,857,875, 8-15-89, Cl. 335-297.000.

Matsuo, Kenichi: *See—*
- Nagao, Hirohumi; Matsuo, Kenichi; and Nakata, Muneo, 4,816,794, Cl. 335-136.000.

Matsuo, Kenji; and Tsuchiya, Ikuo, to Kabushiki Kaisha Toshiba. Voltage controlled oscillator. 4,859,970, 8-22-89, Cl. 331-57.000.

Matsuo Kogyo Kabushiki Kaisha: *See—*
- Kawakatsui Ichiro, 4,830,826, Cl. 420-532.000.
- Ueno, Tadashi, 4,819,893, Cl. 242-220.000.

Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, to Arakawa Chemical Industries, Ltd.; and Mistubishi Kasei Corporation. Agent for regulating the motional function of gastrointestinal tract. 4,883,82 11-28-89, Cl. 514-680.000.

Matsuo, Koichiro; Maekawa, Kazuhiro; and Kondo, Teruhisa, to Toyo Tanson Co., Ltd. Graphite sheet material. 4,888,242, 12-19-89, Cl. 428-408.000.

Matsuo, Makoto: *See—*
- Shimoda, Makoto; Ishino, Tatsuyuki; and Matsuo, Makoto, 4,855,908, Cl. 364-405.000.

Matsuo, Mamoru; and Furuya, Masami, to Sky Aluminium Co., Ltd. Wrought material of aluminum alloy to be anodized gray and process for making the same. 4,836,863, 6-6-89, Cl. 148-2.000.

Matsuo, Mamoru; Okuda, Yutaka; Takizawa, Kazushige; and Sakai, Hirokazu, to Sky Aluminium Co., Ltd.; and Sky Aluminum Co., Ltd. Aluminum alloy material plate for printing. 4,861,396, 8-29-89, Cl. 148-439.000.

Matsuo, Mamoru: *See—*
- Komatsubara, Toshio; and Matsuo, Mamoru, 4,808,247, Cl. 148-2.000.
- Komatsubara, Toshio; Muramatsu, Toshiki; and Matsuo, Mamoru, 4,838,958, Cl. 148-11.50A.

Matsuo, Masaaki; Tsuji, Kiyoshi; and Konishi, Nobukiyo, to Fujisawa Pharmaceutical Co., Ltd. Alkanesulfonanilide derivatives, processes for preparation thereof and pharmaceutical composition comprising the same. 4,866,091, 9-12-89, Cl. 514-471.000.

Matsuo, Masaaki; Morino, Daizo; Tsuji, Kiyoshi; and Okumura, Hiroyuki, to Fujisawa Pharmaceutical Co., Ltd. Thiazolopyridine compounds, processes for the preparation thereof and pharmaceutical composition comprising the same. 4,885,297, 12-5-89, Cl. 514-253.000.

Matsuo, Masaaki: *See—*
- Komori, Keiji; Ohta, Masaru; Sawada, Takashi; and Matsuo, Masaaki, 4,835,576, Cl. 355-40.000.
- Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, 4,797,399, Cl. 514-253.000.

Matsuo, Masahito; and Yoshida, Toyohiko, to Mitsubishi Denki Kabushiki Kaisha. Instruction fetching in data processing apparatus. 4,796,175, 1-3-89, Cl. 364-200.000.

Matsuo, Masahito; and Yoshida, Toyohiko, to Mitsubishi Denki Kabushiki Kaisha. Pipelined computer. 4,847,753, 7-11-89, Cl. 364-200.000.

Matsuo, Masahito; and Yoshida, Toyohiko, to Mitsubishi Denki Kabushiki Kaisha. Preceding instruction address based branch prediction in a pipelined processor. 4,858,104, 8-15-89, Cl. 364-200.000.

Matsuo, Masayuki: *See—*
- Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.

Matsuo, Mu: *See—*
- Hoshiro, Takeshi; Matsuo, Mu; and Takano, Hiroshi, 4,798,567, Cl. 474-242.000.
- Takano, Hiroshi; and Matsuo, Mu, 4,858,492, Cl. 74-745.000.
- Takano, Hiroshi; and Matsuo, Mu, 4,864,891, Cl. 74-745.000.

Matsuo, Naoya: *See—*
- Suzumura, Koji; Fujiwara, Hunihiko; Matsuo, Naoya; and Miyamoto, Kouichi, 4,805,569, Cl. 123-308.000.

Matsuo, Norio: *See—*
- Yui, Hiroshi; Okamura, Michiya; Ikeda, Masakazu; and Matsuo, Norio, 4,873,282, Cl. 524-496.000.

Matsuo, Noritada: *See—*
- Nishida, Sumio; Matsuo, Noritada; Hatakoshi, Makoto; and Kishida, Hirosi, 4,879,292, Cl. 514-241.000.
- Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.
- Tsushima, Kazunori; Matsuo, Noritada; Tanabe, Yoo; Yano, Toshihiko; and Hirano, Masachika, 4,840,971, Cl. 514-721.000

Matsuo, Satoshi, to Kabushiki Kaisha Toshiba. Endoscopic apparatus. 4,827,908, 5-9-89, Cl. 128-6.000

Matsuo, Seitaro: *See—*
- Torii, Yasuhiro; Matsuo, Seitaro; Watanabe, Iwao; and Shimada, Masaru, 4,857,809, Cl. 315-111.310.

Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, to Idemitsu Kosan Company Limited. Reinforced resinous composition comprising polycyano arylene ether. 4,812,507, 3-14-89, Cl. 524-611.000.

Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, to Idemitsu Kosan Company, Limited. Polycyanoaryl ether with thermoplastic resin. 4,853,443, 8-1-89, Cl. 525-534.000.

Matsuo, Shoji: *See—*
- Yanai, Tsuguo; Inagaki, Yukio; Matsuo, Shoji; and Fujisawa, Hidetaka, 4,806,923, Cl. 340-784.000.

Matsuo, Shunji: *See—*
- Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.
- Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, 4,878,091, Cl. 355-260.000.

Matsuo, Taisuke: *See—*
- Kishimoto, Shoji; Matsuo, Taisuke; and Ochiai, Michihiko, 4,822,788, Cl. 514-210.000.
- Ochiai, Michihiko; and Matsuo, Taisuke, 4,822,790, Cl. 514-210.000.

Matsuo, Takaharu: *See—*
- Sawamura, Norio; Matsuo, Takaharu; Tsumura, Kazunobu; and Ebihara, Yoshitaka, 4,873,194, Cl. 435-198.000.

Matsuo, Takao; and Sumi, Shigeo, to Somar Corporation. Apparatus for conveying base. 4,828,247, 5-9-89, Cl. 271-240.000.

Matsuo, Takao; and Sumi, Shigeo, to Somar Corporation. Apparatus for conveying base. 4,842,672, 6-27-89, Cl. 156-497.000.

Matsuo, Takao; and Sumi, Shigeo, to Somar Corporation. Apparatus for conveying base. 4,858,911, 8-22-89, Cl. 271-240.000.

Matsuo, Takao; and Sawada, Norihasu, to Somar Corporation. Alignment hole forming device for film laminating apparatus. 4,863,550, 9-5-89, Cl. 156-353.000.

Matsuo, Takao; Hamamura, Fumio; and Sumi, Shigeo, to Somar Corporation. Film peeling method and apparatus. 4,880,488, 11-14-89, Cl. 156-344.000.

Matsuo, Tamotsu: *See—*
- Koishi, Kenji; and Matsuo, Tamotsu, 4,800,548, Cl. 369-54.000.

Matsuo, Tatsuki: *See—*
- Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, 4,838,657, Cl. 350-336.000.

Matsuo, Yasutoshi, to Victor Company of Japan, Ltd. Noise reduction circuit of a video signal. 4,864,404, 9-5-89, Cl. 358-167.000.

Matsuo, Yasutoshi: *See—*
- Sakaguchi, Hironao; Yoshida, Masaji; and Matsuo, Yasutoshi, 4,860,105, Cl. 358-167.000.

Matsuo, Yohichi: *See—*
- Kohmoto, Mitsuo; and Matsuo, Yohichi, 4,797,783, Cl. 361-384.000.

Matsuo, Yoshihiro; and Yamazaki, Yukihiro, to Honda Giken Kogyo Kabushiki Kaisha. Front fender for vehicle. 4,822,067, 4-18-89, Cl. 280-152.100.

Matsuo, Yoshihiro: *See—*
- Nakazawa, Yoshihiro; Kudou, Masayuki; Iijima, Satoshi; Sanada, Katsuiki; and Matsuo, Yoshihiro, 4,873,284, Cl. 280-293.000.
- Nasu, Kenichi; Kawai, Kazuo; and Matsuo, Yoshihiro, 4,831,980, Cl. 123-196.00A.

Matsuo, Yoshio: *See—*
- Akaiwa, Yoshihiko; Nagata, Yoshinori; and Matsuo, Yoshio, 4,817,116, Cl. 375-49.000.

Matsuo, Yoshiteru: *See—*
- Yashiro, Hirokatsu; Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.

Matsuo, Youichi: *See—*
- Komoto, Mitsuo; Matsuo, Youichi; and Sano, Toshifumi, 4,854,377, Cl. 165-80.400.

Matsuo, Yukito, to Kabushiki Kaisha Toshiba. Transporting apparatus. 4,800,999, 1-31-89, Cl. 198-370.000.

Matsuo, Yukito, to Kabushiki Kaisha Toshiba. Transport apparatus having vehicle removing mechanism. 4,807,537, 2-28-89, Cl. 104-129.000.

Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masuko, Mitsuaki; Shin, Kouitirou; and Shirai, Isao, to Kabushiki Kaisha Toshiba; and Nippon Airshooter Co., Ltd. Conveying apparatus and fixing apparatus. 4,817,694, 4-4-89, Cl. 198-346.200.

Matsuo, Yukito, to Kabushiki Kaisha Toshiba. Linear induction propelled track guided runner. 4,848,242, 7-18-89, Cl. 104-290.000.

Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, to Nippondenso Co., Ltd. Refrigeration system. 4,807,445, 2-28-89, Cl. 62-212.000.

Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, to Nippondenso Co., Ltd. Refrigeration system. 4,829,777, 5-16-89, Cl. 62-212.000.

Matsuoka, Akio: *See—*
- Nishizawa, Kazutoshi; Takagi, Masashi; Matsuoka, Akio; and Nomura, Fuzio, 4,828,463, Cl. 417-307.000.

Matsuoka, Akira; and Asano, Kazuhiko, to Daiken Kogyo Kabushiki Kaisha. Moisture-remover and moisture-removing apparatus. 4,826,516, 5-2-89, Cl. 55-388.000.

Matsuoka, Akira: *See—*
- Yoshimi, Satoshi; Matsuoka, Akira; and Asano, Kazuhiko, 4,818,602, Cl. 428-304.400.

Matsuoka, Fuminori, to Tokyo Electron Limited. Developing apparatus. 4,855,775, 8-8-89, Cl. 354-325.000.

Matsuoka, Fumio, to Mitsubishi Denki Kabushiki Kaisha. Frequency control apparatus of a multi-refrigeration cycle system. 4,831,836, 5-23-89, Cl. 62-209.000.

Matsuoka, Genya: *See—*
- Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahito; and Yamaguchi, Ryoichi, 4,808,829, Cl. 250-491.100.

Matsuoka, Hideo: *See—*
- Tamada, Masuo; Tanaka, Tsutomu; and Matsuoka, Hideo, 4,822,990, Cl. 235-492.000.

Matsuoka, Hidetoshi; and Natsume, Masahito, to Canon Kabushiki Kaisha. Rotary head type reproducing apparatus with crosstalk reduction. 4,847,707, 7-11-89, Cl. 360-64.000.

Matsuoka, Hiroki, to Toyota Jidosha Kabushiki Kaisha. Fuel injection control system for internal combustion engine when starting. 4,838,230, 6-13-89, Cl. 123-491.000.

Matsuoka, Hiroki: *See—*
- Fujioka, Atsushi; Morimura, Atsushi; Kitamura, Yoshinori; and Matsuoka, Hiroki, 4,843,476, Cl. 358-228.000.

Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, to JGC Corporation. Process for the desulfurization of gas containing hydrogen sulfide. 4,855,124, 8-8-89, Cl. 423-574.00L.

Matsuoka, Hiroshi: *See—*
- Enari, Masahiko; Matsuoka, Hiroshi; Aoki, Akio; and Minoura, Kazuo, 4,831,243, Cl. 235-436.000.
- Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, 4,888,753, Cl. 369-44.000.
- Hamada, Takashi; Hino, Teruyuki; Nodama, Takashi; and Matsuoka, Hiroshi, 4,796,842, Cl. 248-186.000.
- Inukai, Masahiro; and Matsuoka, Hiroshi, 4,813,920, Cl. 474-240.000.
- Kawamura, Hideo; and Matsuoka, Hiroshi, 4,838,235, Cl. 123-668.000.
- Kawamura, Hideo; and Matsuoka, Hiroshi, 4,848,291, Cl. 123-193.00P.
- Yasuda, Eturo; Matsuoka, Hiroshi; Yoshida, Hiroyuki; Kotanshi, Yoichi; and Sawada, Yasushi, 4,845,399, Cl. 310-366.000.

Matsuoka, Isao: *See—*
- Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, 4,871,596, Cl. 428-15.000.

Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Color developer sheet. 4,870,048, 9-26-89, Cl. 503-211.000.

Matsuoka, Katsumi; Ikeda, Kensuke; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,871,713, 10-3-89, Cl. 503-209.000.

Matsuoka, Katsumi: *See—*
- Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu; and Iwakura, Ken, 4,876,233, Cl. 503-209.000.
- Takashima, Masanobu; Iwakura, Ken; Satomura, Masato; and Matsuoka, Katsumi, 4,808,566, Cl. 503-217.000.

Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, to Canon Kabushiki Kaisha. Variable aberration imaging optical system. 4,865,426, 9-12-89, Cl. 350-353.000.

Matsuoka, Kazuhiko: *See—*
- Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.
- Minoura, Kazuo; and Matsuoka, Kazuhiko, 4,842,396, Cl. 350-6.500.
- Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.

Matsuoka, Kazumi; Kihira, Hiroshi; Ito, Satoshi; and Murata, Tomomi, to Nippon Steel Corporation. Corrosion detecting probe for steel buried in concrete. 4,861,453, 8-29-89, Cl. 204-404.000.

Matsuoka, Kazumi: *See—*
- Oka, Tomoki; Kihira, Hiroshi; Matsuoka, Kazumi; and Ito, Satoshi, 4,800,165, Cl. 436-6.000.

Matsuoka, Kazushige, to Omron Tateisi Electronics Co. Connection arrangement between control device and signal transmission device. 4,878,860, 11-7-89, Cl. 439-716.000.

Matsuoka, Kazushige: *See—*
- Agatahama, Shunichi; Koga, Hirofumi; Sato, Ryuichi; Sagawa, Hiroyuki; and Matsuoka, Kazushige, 4,831,348, Cl. 335-80.000.
- Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, 4,814,944, Cl. 361-403.000.

Matsuoka, Ken; and Yamazaki, Masanobu, to Fuji Kiko Company, Limited. Grooved pulley and manufacturing method therefor. 4,874,353, 10-17-89, Cl. 474-168.000.

Matsuoka, Kenichi: *See—*
- Souda, Takeshi; and Matsuoka, Kenichi, 4,827,705, Cl. 56-328.100.

Matsuoka, Kenzo, to Nippon Seiki Hoseki Kogyo. Cleaning device for VHS video cassette players. 4,855,856, 8-8-89, Cl. 360-128.000.

Matsuoka, Masaki; Osawa, Nobuyuki; and Kasuga, Shinichi, to Nippon Seiko Kabushiki Kaisha. Linear guide apparatus with ball retainer. 4,810,104, 3-7-89, Cl. 384-45.000.

Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, to Canon Kabushiki Kaisha. Sensing display apparatus of image pattern. 4,881,900, 11-21-89, Cl. 434-113.000.

Matsuoka, Mitsushiro, to Tabata Co Ltd. Diving fin. 4,795,385, 1-3-89, Cl. 441-64.000.

Matsuoka, Morito; and Ono, Ken'ichi, to Nippon Telegraph and Telephone Corporation. Thin film forming apparatus. 4,874,497, 10-17-89, Cl. 204-298.000.

Matsuoka, Naoya: *See—*
  Saito, Yoshifusa; Nakayama, Hiroshi; Fukui, Hisao; and Matsuoka, Naoya, 4,821,805, Cl. 169-5.000.

Matsuoka, Nobuo: *See—*
  Suda, Kenichi; Hasegawa, Shizuo; and Matsuoka, Nobuo, 4,862,286, Cl. 358-494.000.

Matsuoka, Nobutaka: *See—*
  Nakagawa, Kaoru; Yamamoto, Yoshio; and Matsuoka, Nobutaka, 4,888,304, Cl. 437-86.000.

Matsuoka, Noriyuki, to Yamaichi Electric Mfg. Co., Ltd. IC Package extracting mechanism used in IC socket. 4,832,610, 5-23-89, Cl. 439-68.000.

Matsuoka, Noriyuki, to Yamaichi Electric Mfg. Co., Ltd. Card connector. 4,840,575, 6-20-89, Cl. 439-267.000.

Matsuoka, Noriyuki; and Ishida, Junji, to Yamaichi Electric Mfg. Co., Ltd. IC socket. 4,846,703, 7-11-89, Cl. 439-71.000.

Matsuoka, Noriyuki, to Yamaichi Electric Mfg. Co., Ltd. Card connector. 4,846,713, 7-11-89, Cl. 439-260.000.

Matsuoka, Noriyuki; and Ishida, Junji, to Yamaichi Electric Mfg. Co., Ltd. Socket for the use of an electric part. 4,865,554, 9-12-89, Cl. 439-70.000.

Matsuoka, Noriyuki; and Kubo, Masaaki, to Yamaichi Electric Mfg. Co., Ltd. IC carrier. 4,881,639, 11-21-89, Cl. 206-328.000.

Matsuoka, Sadayuki: *See—*
  Inada, Masami; Haramura, Shigenori; Hayakawa, Seiji; and Matsuoka, Sadayuki, 4,805,689, Cl. 165-29.000.

Matsuoka, Saiji: *See—*
  Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, 4,861,390, Cl. 148-12.00R.

Matsuoka, Shigeru: *See—*
  Fukushima, Masahito; Matsuda, Eiji; Matsuoka, Shigeru; and Yonenaga, Hitoshi, 4,825,308, Cl. 360-46.000.
  Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, 4,858,171, Cl. 364-900.000.
  Sasaki, Hideki; Matsuoka, Shigeru; Matsuda, Eiji; Yonenaga, Hitoshi; and Fukushima, Masahito, 4,890,256, Cl. 364-900.000.
  Sato, Tomio; Matsuoka, Shigeru; Matsuda, Eiji; and Yonenaga, Hitoshi, 4,887,165, Cl. 358-474.000.

Matsuoka, Shinya: *See—*
  Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.

Matsuoka, Takeshi: *See—*
  Kiri, Motosada; and Matsuoka, Takeshi, 4,868,393, Cl. 250-370.150.

Matsuoka, Tetsunori: *See—*
  Miyazaki, Noriyuki; and Matsuoka, Tetsunori, 4,873,160, Cl. 429-170.000.

Matsuoka, Tomizo: *See—*
  Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.
  Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, 4,888,246, Cl. 428-432.000.
  Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-690.000.
  Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, 4,814,668, Cl. 313-506.000.

Matsuoka, Toshihiro: *See—*
  Imai, Shoji; Nagaoka, Mitsuru; Matsuoka, Toshihiro; and Nobumoto, Kazutoshi, 4,834,045, Cl. 123-352.000.
  Nagaoka, Mitsuru; and Matsuoka, Toshihiro, 4,825,367, Cl. 364-424.050.
  Oda, Kazuya; Matsuoka, Toshihiro; Onaka, Toru; and Nagaoka, Mitsuru, 4,862,854, Cl. 123-399.000.

Matsuoka, Toshimitsu, to Nissan Motor Co., Ltd. Bumper structure. 4,830,416, 5-16-89, Cl. 293-120.000.

Matsuoka, Toshio; Sugimori, Seiji; Koyabu, Yukio; and Kurozu, Shinichi, to Sumitomo Heavy Industries, Ltd. Method for producing a carbonaceous solid reductant for direct reduction of iron ore. 4,824,479, 4-25-89, Cl. 75-0.50R.

Matsuoka, Tsugufumi: *See—*
  Watanabe, Kaneo; Matsuoka, Tsugufumi; Nakashima, Yukio; and Haku, Hisao, 4,843,451, Cl. 357-63.000.

Matsuoka, Yasuo, to Kabushiki Kaisha Toshiba. Apparatus for forming a resist pattern. 4,800,251, 1-24-89, Cl. 219-121.430.

Matsuoka, Yasuo: *See—*
  Yamamoto, Noboru; and Matsuoka, Yasuo, 4,800,836, Cl. 118-52.000.

Matsuoka, Yoshio: *See—*
  Ishii, Katsumi; and Matsuoka, Yoshio, 4,828,283, Cl. 280-91.000.

Matsuoka, Yoshito: *See—*
  Hayashi, Kenichi; Matsuoka, Yoshito; Kasahara, Michio; and Morita, Naoki, 4,830,920, Cl. 428-421.000.

Matsuoka, Yoshiyuki: *See—*
  Yoshizumi, Yasuji; and Matsuoka, Yoshiyuki, 4,877,567, Cl. 264-153.000.

Matsuoka, Yuji; and Kuroki, Masahide. Monoclonal antibodies specific to CEA. 4,871,834, 10-3-89, Cl. 530-387.000.

Matsuoka, Yuzo: *See—*
  Yamada, Yoshihisa; and Matsuoka, Yuzo, 4,855,298, Cl. 514-259.000.

Matsura, Yoshimasa: *See—*
  Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,794,758, Cl. 60-602.000.
  Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,825,523, Cl. 29-156.80R.

Matsusaka, Yoshihide; Aoyama, Kohji; and Noguchi, Masaro, to AMP Incorporated. Electrical terminal having a receptacle contact section of low insertion force. 4,838,816, 6-13-89, Cl. 439-861.000.

Matsushima, Akio: *See—*
  Sakai, Shoji; and Matsushima, Akio, 4,848,072, Cl. 57-261.000.

Matsushima, Atsushi; and Ueda, Hideaki, to Yamaha Hatsudoki Kabushiki Kaisha. Suction device of engine. 4,821,685, 4-18-89, Cl. 123-52.0MF.

Matsushima, Eiji, to Mazda Motor Corporation. Apparatus for fixing protective moldings to vehicle bodies. 4,855,003, 8-8-89, Cl. 156-358.000.

Matsushima, Hironari: *See—*
  Akasaki, Toshiro; Matsunaga, Masafumi; Watanabe, Takashi; and Matsushima, Hironari, 4,859,266, Cl. 156-273.100.

Matsushima, Hiroshi: *See—*
  Shimeki, Yasuharu; Matsushima, Hiroshi; Ohtsu, Masamitsu; and Kihara, Nobuyoshi, 4,809,087, Cl. 360-19.100.

Matsushima, Hitoshi: *See—*
  Miyatake, Takafumi; Matsushima, Hitoshi; Ohtani, Shigeko; and Higashino, Junichi, 4,803,477, Cl. 340-747.000.
  Ueda, Hirotada; Matsushima, Hitoshi; Hagiwara, Yoshimune; and Kaneko, Kenji, 4,821,187, Cl. 364-200.000.

Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shima Yoshio; and Watanabe, Shinya, to Seiko Instruments & Electronics Ltd. Color hard copy apparatus having simplified analog-to-digital conversion with adjustable threshold levels. 4,821,115, 4-11-89, Cl. 358-75.000.

Matsushima, Masaaki: *See—*
  Kato, Hideo; Matsushima, Masaaki; Matsuda, Keiko; and Shiba Hirofumi, 4,837,123, Cl. 430-269.000.

Matsushima, Noboru, to NOK Corporation. Method for manufacturing oil seal. 4,867,926, 9-19-89, Cl. 264-154.000.

Matsushima, Seiya; Yanagisawa, Takeshi; Miura, Nobuo; and Arakawa, Kuniaki, to Honda Giken Kogyo Kabushiki Kaisha. Throttle actuator for a vehicle. 4,838,113, 6-13-89, Cl. 74-551.800.

Matsushima, Tadashi, to Kabushiki Kaisha Kawai Gakki Seisakusho. Electronic musical instrument for generation of inharmonic tones. 4,811,644, 3-14-89, Cl. 84-1.200.

Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, to Nippondenso Co., Ltd. Optical information reading apparatus. 4,818,85 4-4-89, Cl. 235-472.000.

Matsushima, Tetsuo, to Kabushiki Kaisha Toshiba. Digital fault locator. 4,857,854, 8-15-89, Cl. 324-512.000.

Matsushima, Toshiro; and Ueda, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Longitudinal seat sliding apparatus for automobiles. 4,809,939, 3-7-89, Cl. 248-430.000.

Matsushima, Yasunobu: *See—*
  Sonoda, Sakae; Hetsugi, Kouji; Sawasaki, Yoshihiko; Kabura Kouji; and Matsushima, Yasunobu, 4,874,480, Cl. 204-56.100.

Matsushima, Yoshihisa: *See—*
  Ichikawa, Shinichi; Yoshida, Unkichi; Matsushima, Yoshihisa; and Hashimoto, Hisatake, 4,839,029, Cl. 208-251.00R.

Matsushima, Yuichi: *See—*
  Sakai, Kazuo; Matsushima, Yuichi; and Utaka, Katsuyuki, 4,795,225, Cl. 350-96.130.
  Usami, Masashi; Akiba, Shigeyuki; Utaka, Katsuyuki; and Matsushima, Yuichi, 4,815,090, Cl. 372-50.000.
  Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,805,975, Cl. 350-96.130.
  Utaka, Katsuyuki; Akiba, Shigeyuki; and Matsushima, Yuichi, 4,826,291, Cl. 350-320.000.
  Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,852,108, Cl. 372-20.000.
  Utaka, Katsuyuki; Sakai, Kazuo; Matsushima, Yuichi; and Akiba, Shigeyuki, 4,874,216, Cl. 350-96.190.

Matsushima, Yukiyoshi: *See—*
  Murakami, Kazuo; and Matsushima, Yukiyoshi, 4,843,936, Cl. 84-107.000.

Matsushiro, Hiroyuki: *See—*
  Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, 4,835,565, Cl. 355-259.000.

Matsushiro, Moriyoshi; and Urano, Etsuaki, to Minolta Camera Kabushiki Kaisha. Fixing roller and its manufacturing process. 4,819,02 4-4-89, Cl. 355-3.0FU.

Matsushita, Akira; and Nakano, Shohkichi, to Kabushiki Kaisha Nihon Denzai Kogyo Kenkyusho. Signal transmission device. 4,837,55 6-6-89, Cl. 340-310.00R.

Matsushita, Akitake: *See—*
  Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.

Matsushita Communication Industrial Co., Ltd.: *See—*
  Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, 4,852,148, Cl. 379-59.000.
  Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.

Matsushita Denki Sangyo Kabushiki Kaisha: *See—*
  Imazaike, Mikiharu, 4,807,066, Cl. 360-92.000.

Matsushita, Eiji, to Hochiki Corporation. Fire alarm system. 4,803,46 2-7-89, Cl. 340-577.000.

Matsushita, Eiji: *See—*
  Nagashima, Tetsuya; Matsushita, Eiji; Yuchi, Sadataka; and Kitajima, Akira, 4,884,222, Cl. 364-550.000.

Matsushita Electric Industrial Co., Ltd.: *See—*
  Akiyama, Ryo, 4,809,094, Cl. 360-72.100.
  Akiyama, Yoshihiro; Naka, Teruyuki; Urata, Yoshihito; and Sasaki, Toshiharu, 4,816,921, Cl. 358-256.000.
  Ando, Takashi; Makino, Yoshihiro; Kishimoto, Yoshinobu; and Asaoka, Tetsuki, 4,831,472, Cl. 360-96.500.
  Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, 4,811,148, Cl. 360-125.000.
  Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, 4,870,896, Cl. 99-348.000.
  Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
  Ashizaki, Yoshihiro; and Takada, Kazuyuki. 4,831,344, Cl. 332-9.00T.
  Ashizaki, Yoshihiro, 4,868,485, Cl. 323-316.000.
  Ban, Yuzaburo; Tsujii, Hiraaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, 4,843,031, Cl. 437-129.000.
  Ban, Yuzaburo; Manno, Masaya; Kubo, Minoru; Morisaki, Mototsugu; and Ogura, Mototsugu, 4,885,260, Cl. 437-81.000.
  Bannai, Tatsushi; Awamoto, Shigeru; Chiba, Mitsuo; and Sasaki, Seishi, 4,887,169, Cl. 358-335.000.
  Besyo, Daisuke; Maehara, Naoyoshi; Sakamoto, Kazuho; Kusunoki, Shigeru; and Matsumoto, Takahiro, 4,851,629, Cl. 219-10.55B.
  Dischert, Lee R.; and Topper, Robert J., 4,797,731, Cl. 358-17.000.
  Dischert, Lee R.; and Topper, Robert J., 4,845,546, Cl. 358-17.000.
  Endo, Masayuki; Sasago, Masaru; and Ogawa, Kazufumi, 4,840,872, Cl. 430-273.000.
  Endo, Masayuki; Sasago, Masaru; and Ogawa, Kazufumi, 4,849,323, Cl. 430-326.000.
  Fujii, Satoru; Niyada, Katsuyuki; Morii, Shuji; and Watanabe, Taisuke, 4,885,791, Cl. 381-43.000.
  Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, 4,847,192, Cl. 431-88.000.
  Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, 4,872,831, Cl. 431-73.000.
  Fujioka, Atsushi; Morimura, Atsushi; Kitamura, Yoshinori; and Matsuoka, Hiroki, 4,843,476, Cl. 358-228.000.
  Fujiwara, Akie; Takenouchi, Mariko; and Shimizu, Masahiro, 4,813,078, Cl. 382-21.000.
  Fukuda, Akio; Kaneko, Yasunori; Maki, Masao; and Isogai, Mamoru, 4,824,730, Cl. 428-447.000.
  Fukuda, Hiroshi; Nagai, Takeshi; and Ohji, Kenzo, 4,808,293, Cl. 204-410.000.
  Fukui, Masahiro, 4,875,139, Cl. 361-410.000.
  Fukukita, Hiroshi; Ueno, Shinichiro; Tone, Masayuki; and Yano, Tsutomu, 4,817,615, Cl. 128-660.020.
  Fukukita, Hiroshi; Ueno, Shinichiro; Yano, Tsutomu; and Furuya, Nobuaki, 4,844,082, Cl. 128-660.060.
  Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji, 4,885,735, Cl. 369-59.000.
  Funabashi, Takanori; Nakada, Akiyoshi; and Tada, Haruo, 4,802,815, Cl. 414-680.000.
  Funahashi, Toshihiro, 4,809,085, Cl. 358-329.000.
  Furuyama, Shizuo, 4,818,608, Cl. 428-327.000.
  Fuse, Genshu; Hirao, Takashi; and Ohzone, Takashi, 4,861,729, Cl. 437-18.000.
  Fuyama, Seiji; Mori, Tokio; Kodama, Mitsuhiro; Minato, Takashi; and Takaoka, Yasuhiro, 4,843,547, Cl. 364-405.000.
  Gotou, Makoto, 4,821,168, Cl. 364-183.000.
  Gotou, Makoto; and Matsubayashi, Shigeaki, 4,878,165, Cl. 364-158.000.
  Hamada, Kiyoshi; Tomii, Kaoru, Hashiguchi, Junpei; and Nonomura, Kinzo, 4,816,724, Cl. 315-366.000.
  Harada, Terumaru; Inoda, Kenichi; Fujita, Tatsuo; and Adachi, Kinichi, 4,870,821, Cl. 60-520.000.
  Harada, Tsutomu; and Okamura, Yasushi 4,873,596, Cl. 360-99.110.
  Hase, Hiroyuki; Tokuono, Shinya; and Wakamiya, Masayuki, 4,823,617, Cl. 73-862.360.
  Hasegawa, Saburo; and Minai, Eiji, 4,878,139, Cl. 360-99.020.
  Hasegawa, Saburo; and Minai, Eiji, 4,881,141, Cl. 360-106.000.
  Hasegawa, Yo; Okano, Kazuyuki; Nakanishi, Akira; and Hatase, Hiroshi, 4,885,188, Cl. 427-126.100.
  Hashimoto, Naoyuki; Yamashita, Kazuichi; and Yamane, Manabu, 4,823,933, Cl. 198-465.300.
  Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,815,913, Cl. 414-225.000.
  Hata, Kanji; Maruyama, Masahiro; and Itemadani, Eiji, 4,857,752, Cl. 250-578.000.
  Hatada, Kenzo, 4,876,221, Cl. 437-212.000.
  Hirai, Kazumi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; and Hori, Ichiroh, 4,880,952, Cl. 219-10.55B.
  Hirai, Wataru; and Fujiwara, Koji, 4,831,721, Cl. 29-740.000.
  Hirao, Yoshiaki; Kuga, Ryuichiro; Miura, Teruyoshi; and Nagaoka, Yoshitomi, 4,849,813, Cl. 358-137.000.
  Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
  Hirashima, Masayoshi; Shizuya, Osamu; and Omoto, Noriaki, 4,823,135, Cl. 342-362.000.
  Hirashima, Masayoshi, 4,833,710, Cl. 380-20.000.
  Hirochi, Kumiko; Kitabatake, Makoto; and Yamazaki, Osamu, 4,877,677, Cl. 428-216.000.
  Hirota, Hozumi; Shimasaki, Yukihiro; Komoda, Hideaki; and Ota, Ikuo, 4,803,133, Cl. 428-695.000.
  Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.
  Honjo, Masahiro, 4,821,087, Cl. 358-34.000.
  Hori, Hisanobu, 4,877,345, Cl. 400-342.000.
  Hoshimi, Masakatsu; and Niyada, Katsuyuki, 4,817,159, Cl. 381-43.000.
  Ichinohe, Eisuke, 4,872,161, Cl. 370-85.100.
  Iketani, Akira, 4,833,470, Cl. 341-59.000.
  Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, 4,840,042, Cl. 62-324.100.
  Ikoma, Munehisa; Kawano, Hiroshi; Matsumoto, Isao; and Yanagihara, Nobuyuki, 4,837,119, Cl. 429-206.000.
  Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, 4,835,492, Cl. 331-117.00D.
  Imai, Akihiro; Matsuda, Hiromu; Yubakami, Keiichi; and Taguchi, Nobuyoshi, 4,839,337, Cl. 503-227.000.
  Imai, Hiroyuki; Horiike, Yoshio; and Yamamoto, Masahiro, 4,868,854, Cl. 375-116.000.
  Imai, Kiyoshi; Kawashima, Kazumi; and Ishida, Makoto, 4,796,089, Cl. 358-183.000.
  Imai, Kiyoshi; and Kawashima, Kazumi, 4,816,915, Cl. 358-183.000.
  Imanaka, Ryoichi, 4,799,206, Cl. 369-44.000.
  Imanishi, Kiyokazu; Watanabe, Wataru; and Kobata, Kiyoshi, 4,809,105, Cl. 360-104.000.
  Inobe, Kazuhiko; and Kanzaki, Masami, 4,882,581, Cl. 341-22.000.
  Inoue, Michihiro; and Yamada, Toshio, 4,888,732, Cl. 365-51.000.
  Inoue, Osamu; and Kawashima, Syunichiro, 4,853,199, Cl. 423-594.000.
  Inoue, Takao; Saeki, Keiji; Matsuda, Chuichi; and Murakami, Schuichi, 4,824,010, Cl. 228-180.200.
  Inoue, Takao; and Suetsugu, Kenichiro, 4,834,545, Cl. 366-138.000.
  Ishihara, Shin-ichiro, 4,883,560, Cl. 156-626.000.
  Ishihara, Shinichiro; Kitagawa, Masatoshi; and Hirao, Takashi, 4,800,174, Cl. 437-101.000.
  Ishikawa, Seiichi; Matsumoto, Masaharu; Satoh, Katsuaki; and Kawamura, Akihisa, 4,888,808, Cl. 351-103.000.
  Ishikawa, Takayoshi; and Yoshida, Yasuhiko, 4,795,990, Cl. 333-176.000.
  Ishiwata, Tetsuo; and Taguchi, Katsuyuki, 4,873,590, Cl. 360-73.140.
  Isozaki, Yasuhito; Okano, Kazuyuki; and Hasegawa, You, 4,888,210, Cl. 427-126.300.
  Itemadani, Eiji; Murakami, Shuichi; and Mori, Kazuhiro, 4,825,536, Cl. 29-620.000.
  Ito, Masashi; Matsuno, Toshiki; Nakamura, Hiroyuki; and Yasuda, Hiroshi, 4,868,821, Cl. 369-112.000.
  Iwasawa, Toshiyuki; and Miura, Masayoshi, 4,825,102, Cl. 307-296.500.
  Iwasawa, Toshiyuki; and Miura, Masayoshi, 4,829,325, Cl. 346-140.00R.
  Juri, Tatsuro; and Etoh, Minoru, 4,868,654, Cl. 358-133.000.
  Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, 4,829,664, Cl. 29-840.000.
  Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, 4,829,665, Cl. 29-840.000.
  Kadota, Hiroshi, 4,823,313, Cl. 365-49.000.
  Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.
  Kageyama, Yoshikazu; and Mino, Mineo, 4,855,833, Cl. 358-183.000.
  Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, 4,881,258, Cl. 379-58.000.
  Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472.000.
  Kameyama, Shuichi; Komeda, Tadao; Kobushi, Kazuhiro; and Sakai, Hiroyuki, 4,839,302, Cl. 437-31.000.
  Kasai, Isao, 4,874,928, Cl. 219-492.000.
  Katsu, Shin; Nambu, Shutaro; and Shimano, Akio, 4,883,985, Cl. 307-279.000.
  Katsura, Joji; Yamaguchi, Seiji; Tsuji, Kazuhiko; and Ichinohe, Eisuke, 4,820,974, Cl. 324-73.00R.
  Kawai, Naoki; Hamamoto, Kouji;, and Hosokawa, Tomiaki, 4,889,969, Cl. 219-130.510.
  Kawakami, Katsura; Shimazaki, Shigeo; Takayama, Satoshi; and Onodera, Chika, 4,860,109, Cl. 358-400.000.
  Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,802,155, Cl. 369-77.200.
  Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,807,216, Cl. 369-77.200.
  Kawasaki, Kiyohiro, 4,807,973, Cl. 350-332.000.
  Kawasaki, Osamu; Inaba, Ritsuo; Tokushima, Akira; and Takeda, Katsu, 4,829,209, Cl. 310-323.000.
  Kawasaki, Osamu; Takeda, Katsu; Inaba, Ritsuo; and Fukada, Tetsuji, 4,853,579, Cl. 310-116.000.
  Kenmochi, Kazuei, 4,833,910, Cl. 73-56.000.
  Kishimoto, Yoshinobu; Ando, Takashi; and Kudo, Harumi, 4,866,551, Cl. 360-96.500.
  Kisoda, Akira; Suzuki, Hiroshi; Hosaka, Tomiharu; and Hasegawa, Masanaru, 4,808,437, Cl. 427-130.000.

Kitabatake, Makoto; Setsune, Kentaro; and Wasa, Kiyotaka, 4,796,982, Cl. 350-356.000.

Kitabatake, Makoto; and Wasa, Kiyotaka, 4,844,785, Cl. 204-192.110.

Kobayashi, Hiroshi; Yamamoto, Shuji; Sato, Osamu; and Nagahata, Kouji, 4,846,916, Cl. 156-274.600.

Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomi, 4,811,119, Cl. 358-328.000.

Kobayashi, Masaaki; Yamanishi, Kazuhiro; Takeuchi, Akihiro; and Nagaoka, Yoshitomi, 4,873,583, Cl. 358-310.000.

Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, 4,813,345, Cl. 98-94.200.

Kodo, Toshikazu; and Tanaka, Shinichi, 4,875,202, Cl. 369-32.000.

Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,819,010, Cl. 346-76.0PH.

Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,826,717, Cl. 428-143.000.

Kohashi, Tadao, 4,833,530, Cl. 358-75.000.

Koishi, Kenji; and Matsuo, Tamotsu, 4,800,548, Cl. 369-54.000.

Koishi, Kenji; Kubota, Shinji; and Ishibashi, Kenzo, 4,845,720, Cl. 372-31.000.

Koizumi, Noboru; and Yamazaki, Kazuya, 4,882,559, Cl. 335-284.000.

Kojima, Makoto; Misaki, Hirozumi; and Okada, Yasuyuki, 4,839,787, Cl. 363-60.000.

Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, 4,810,599, Cl. 429-191.000.

Konishi, Akio; Kikuya, Satoshi; Zaitsu, Osamu; and Yoshio, Hideaki, 4,803,574, Cl. 360-85.000.

Kosaka, Norifumi; and Kobayashi, Hiroshi, 4,807,071, Cl. 360-105.000.

Koshiba, Nobuharu; Momose, Keigo; and Kayakawa, Hayashi, 4,844,994, Cl. 429-60.000.

Koshiba, Nobuharu; Ikehata, Toshihiko; and Takata, Kenichi, 4,874,680, Cl. 429-197.000.

Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.

Kubo, Kanji, 4,811,129, Cl. 360-73.120.

Kubo, Kanji; Usuki, Naoshi; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,816,930, Cl. 360-10.200.

Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.

Kubo, Kazuhiko; Saitou, Susumu; Usui, Akira; and Nagai, Hiroyuki, 4,861,941, Cl. 174-35.00R.

Kubota, Shinji; Hirosawa, Kazutoyo; and Yoshida, Tomio, 4,841,512, Cl. 369-54.000.

Kunitomo, Kouichi; and Hanabusa, Mikio, 4,816,782, Cl. 332-19.000.

Kuribayashi, Kiyoshi; Umetani, Makoto; Monji, Hideto; and Aoki, Masaki, 4,842,633, Cl. 65-44.000.

Kuroe, Akio, 4,837,080, Cl. 428-323.000.

Kurokawa, Hideo; Mitani, Tsutomu; Odagiri, Masaru; and Yonezawa, Taketoshi, 4,833,031, Cl. 428-336.000.

Kurokawa, Hideo; Mitani, Tsutomu; Yokoyama, Kazuo; and Yonezawa, Taketoshi, 4,835,070, Cl. 428-64.000.

Kuroki, Yuzuru; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, 4,805,046, Cl. 360-49.000.

Kusuda, Takao; Yonemura, Masaaki; Shimoda, Hisanori; Takigawa, Masuo; and Mihara, Toshihiro, 4,840,028, Cl. 60-303.000.

Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.

Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.

Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, 4,888,246, Cl. 428-432.000.

Machida, Takashi; Miyake, Kou; Fujisaki, Hirotaka; and Mouri, Hiroshi, 4,882,767, Cl. 455-117.000.

Maeda, Teizou; Kubota, Toshihiro; and Ishii, Hiroyuki, 4,824,193, Cl. 350-3.720.

Maeda, Yukio, 4,880,486, Cl. 156-273.500.

Maehara, Yoshiaki, 4,866,290, Cl. 250-578.000.

Makimoto, Mitsuo; and Ohba, Motoi, 4,812,791, Cl. 333-219.000.

Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, 4,858,071, Cl. 361-386.000.

Maruyama, Masahiro; Mori, Kazuhiro; Itemadani, Eiji; and Hasegawa, Mikio, 4,807,356, Cl. 29-740.000.

Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Iritani, Masao, 4,809,430, Cl. 29-834.000.

Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Uchida, Yoshihisa, 4,868,977, Cl. 29-823.000.

Maruyama, Teruo; Abe, Yoshikazu; and Taguti, Tatuhisa, 4,815,944, Cl. 417-295.000.

Maruyama, Teruo, 4,883,367, Cl. 384-114.000.

Matsukawa, Hideki; Masuyama, Takeshi; Hirota, Minoru; Wakahata, Yasuo; Itoh, Masahiro; and Harada, Shinji, 4,874,227, Cl. 350-334.000.

Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.

Matsushita, Koji; and Iketani, Akira, 4,847,871, Cl. 375-94.000.

Mihara, Makoto; Inoue, Masanobu; Ohji, Kenzo; and Itou, Shuji, 4,875,533, Cl. 177-144.000.

Misaizu, Kouei; Makimoto, Mitsuo; and Endo, Haruyu 4,876,744, Cl. 455-326.000.

Mitani, Katsuaki; and Ishinaga, Hideki, 4,840,471, Cl. 350-430

Mitomi, Takashi; and Kubota, Hitoshi, 4,803,640, Cl. 364-513

Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyo and Kagawa, Keiichi, 4,861,688, Cl. 429-206.000.

Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; Naito, Hiroshi, 4,801,954, Cl. 346-140.00R.

Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; Naito, Hiroshi, 4,801,955, Cl. 346-140.00R.

Miyakawa, Yasumi; and Ide, Tatsuki, 4,887,252, Cl. 358-48.00

Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and shida, Jun, 4,804,887, Cl. 313-495.000.

Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and shida, Jun, 4,812,716, Cl. 315-366.000.

Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Mas and Watari, Masafumi, 4,812,016, Cl. 350-320.000.

Miyata, Takeo; and Iwabuchi, Takashi, 4,856,019, Cl. 372-99.0

Miyazaki, Jinsei; Ando, Eiji; Yoshino, Kimiaki; and Morim Kazuhisa, 4,845,021, Cl. 430-495.000.

Mizuno, Bunji; and Kubota, Masafumi, 4,837,172, Cl. 437-011.0

Mizuno, Yasuo; Nishino, Atsushi; Ikeda, Masaki; and Kuno, Sh 4,855,261, Cl. 501-76.000.

Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sa Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.00

Mori, Toshiki; Yamada, Haruyasu; Aono, Kunitoshi; a Maruyama, Masakatsu, 4,845,767, Cl. 382-41.000.

Morimoto, Masamichi; Okumura, Kazumasa; and Okahash shikazu, 4,847,911, Cl. 382-8.000.

Morimoto, Takeshi; and Sekimoto, Kunio, 4,809,084, 358-324.000.

Morioka, Yoshihiro; Kobayashi, Masaaki; and Nagaoka, Yoshi 4,811,117, Cl. 358-310.000.

Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sa 4,864,421, Cl. 358-310.000.

Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazu Yamaguchi, Hiroyuki; and Watanabe, Katsuya, 4,807,20 369-32.000.

Mukai, Toshiharu, 4,876,679, Cl. 369-44.000.

Murai, Katsumi; Usui, Makoto; and Satoh, Isao, 4,866,71 371-40.300.

Murai, Katsumi; and Usui, Makoto, 4,873,679, Cl. 369-32.00

Murai, Katsumi; and Usui, Makoto, 4,875,211, Cl. 371-40.1

Murakami, Mutsuaki, 4,876,077, Cl. 423-448.000.

Murakami, Ryohei; and Oka, Jiro, 4,869,015, Cl. 43-98.000.

Murao, Tsugio; Yamamoto, Yoshiharu; Ikeda, Kenichi; Naga Yoshitomi; and Nakajima, Yasuo, 4,810,076, Cl. 350-448.0

Murata, Kazuyuki, 4,862,284, Cl. 358-451.000.

Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Is Shuji; and Tanaka, Tsuneo, 4,803,242, Cl. 524-35.000.

Nagashima, Michiyoshi; and Satoh, Isao, 4,868,820, Cl. 369-44

Nagata, Kenichi; and Yamada, Noboru, 4,839,883, Cl. 369-28

Nagata, Masaki; Yasuda, Naoshi; Kondo, Shigeo; and Sotom Tadashi, 4,828,945, Cl. 429-191.000.

Nagata, Seiichi; Hotta, Sadayoshi; Takeda, Etsuya; and Mo Yutaka, 4,823,126, Cl. 340-825.790.

Nakagawa, Toru; Kubota, Hitoshi; and Sakurai, Yasuo, 4,84 Cl. 364-167.010.

Nakakura, Hirofumi; Shibata, Morio; Ishikawa, Haruo; Na Akihisa; Hiroto, Hiromi; and Oyabu, Hajime, 4,885,17 426-19.000.

Nakamura, Hiroyuki; Ito, Masashi; Itoi, Toshiki; and Hashi Akifumi, 4,842,392, Cl. 350-247.000.

Nakamura, Yasuhiro; and Kawabuchi, Masami, 4,848,35 128-661.070.

Nakamura, Yasuhiro; and Kawabuchi, Masami, 4,848,35 128-661.070.

Nakane, Shinichi; Uno, Takashi; and Asano, Kazutaka, 4,8 Cl. 364-510.000.

Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, S Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192

Nakase, Hiromi; Kubo, Kanji; Taniguchi, Hiroshi; and Furu Mitsunobu, 4,868,692, Cl. 360-77.160.

Nakatani, Seiichi; Nishimura, Tsutomu; Yuhaku, Satoru; Ishida, Toru, 4,795,512, Cl. 156-89.000.

Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ish Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,6 419-10.000.

Nakatani, Yoshio; Tamura, Tooru; Nozu, Mikio; and Ma Takahiro, 4,843,520, Cl. 361-395.000.

Nakazato, Katsuo; Tsuchiya, Hiroyoshi; Kurosawa, Toshi Maruyama, Yuji; and Takahashi, Kiyoshi, 4,890,16 358-443.000.

Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yo Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-69

Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Ma Masahiko; and Shiomi, Yoshinori, 4,803,575, Cl. 360-94.00

Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Ma Masahiko; and Shiomi, Yoshinori, 4,809,113, Cl. 360-132.0

Nishimura, Hiroshi; and Hirayama, Yasutaka, 4,854,0 15-375.000.

Nishimura, Shigeru; Kuroda, Toshihisa; and Aoki, Shin-ich 4,805,018, Cl. 358-105.000.

Nishimura, Shigeru; Kuroda, Toshihisa; and Kawata, K 4,847,688, Cl. 358-125.000.

Nishino, Atsushi; Ikeda, Masaki; Watanabe, Yoshihiro; and Hiraka, Masahiro, 4,861,657, Cl. 428-336.000.

Nishino, Atsushi; Mizuno, Yasuo; and Ikeda, Masaki, 4,885,020, Cl. 65-2.000.

Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki, Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,864,528, Cl. 364-754.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,655, Cl. 364-761.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,657, Cl. 364-768.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; and Takagi, Naofumi, 4,868,777, Cl. 364-754.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, 4,873,660, Cl. 364-768.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, 4,878,192, Cl. 364-768.000.

Noi, Keiichi; Takami, Akihiro; Ebine, Kazuhide; and Kumazawa, Kimiko, 4,839,097, Cl. 252-520.000.

Nomura, Noboru; Yamashita, Kazuhiro; Matsumura, Takayoshi; and Yamaguchi, Midori, 4,828,392, Cl. 356-401.000.

Ochi, Atsuo; Kobayashi, Masaaki; Takeuchi, Akihiro; and Yamanishi, Kazuhiro, 4,864,424, Cl. 358-328.000.

Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,805,000, Cl. 355-43.000.

Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,812,880, Cl. 355-53.000.

Ogawa, Kazufumi, 4,824,766, Cl. 430-299.000.

Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Ken, 4,841,341, Cl. 355-43.000.

Ogawa, Kazufumi, 4,875,759, Cl. 350-96.340.

Ogawa, Kazufumi, 4,881,109, Cl. 357-25.000.

Ohba, Motoi; and Makimoto, Mitsuo, 4,841,255, Cl. 331-14.000.

Ohnishi, Youichi; Okuda, Akira; Shima, Hiromi; and Mizuguchi, Shinichi, 4,812,712, Cl. 315-176.000.

Ohta, Haruo, 4,825,289, Cl. 358-167.000.

Ohta, Haruo; and Tomita, Masao, 4,827,342, Cl. 358-167.000.

Ohta, Haruo, 4,849,826, Cl. 358-336.000.

Ohta, Takeo; Nakamura, Tatsushi; and Tanigawa, Shizuhiko, 4,852,076, Cl. 369-275.000.

Ohtsu, Masamitsu; and Taniguchi, Hiroshi, 4,884,151, Cl. 358-330.000.

Ohtsuka, Akinori; Kurita, Hitoshi; and Fujii, Yasutel, 4,872,008, Cl. 341-26.000.

Ohtsuka, Shigeru; and Tsukutani, Seiichi, 4,825,114, Cl. 310-90.000.

Ohya, Jun; and Matsui, Yasushi, 4,843,609, Cl. 372-18.000.

Okada, Yasuyuki; Kojima, Makoto; and Misaki, Hirozumi, 4,825,018, Cl. 323-351.000.

Okamoto, Tadashi; Kadota, Hiroshi; Miyake, Jiro; Okabayashi, Ichiro; and Maeda, Yoshinori, 4,879,687, Cl. 365-200.000.

Okutani, Norio, 4,843,236, Cl. 250-231.0SE.

Onishi, Masami; Masumoto, Toshikazu; Murakami, Kazumi; and Yoshida, Kiyoshi, 4,814,901, Cl. 360-33.100.

Ono, Mitsuaki; Ueda, Masataka; and Miyazaki, Osamu, 4,888,658, Cl. 360-126.000.

Oshima, Mitsuaki; Izaki, Masataka; Kajino, Jirou; Igarashi, Yoshiaki; and Mitani, Hiroshi, 4,856,882, Cl. 350-500.000.

Ota, Kiyoshi; and Arai, Kazuo, 4,795,950, Cl. 318-314.000.

Saeki, Hiroshi; and Maruyama, Teruo, 4,797,011, Cl. 384-13.000.

Sakakibara, Yoshio; Akiyama, Ryo; Inatomi, Shoichi; and Ema, Noriyuki, 4,864,553, Cl. 369-50.000.

Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, 4,836,865, Cl. 148-306.000.

Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara, Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, 4,812,960, Cl. 363-20.000.

Sakamoto, Kazuho; Mihara, Makoto; Ohji, Kenzo; and Itou, Shuji, 4,825,967, Cl. 177-210.00C.

Sakurai, Tutomu; Ota, Keishiro; Kubota, Saburo; Miyata, Masanobu; and Fujiwara, Hiroshi, 4,847,613, Cl. 340-825.210.

Sasago, Masaru; Endo, Masayuki; Ogawa, Kazufumi; and Ishihara, Takeshi, 4,805,002, Cl. 355-67.000.

Sasakawa, Kazumasa; Nishimura, Hisao; and Fujiwaka, Kensuke, 4,838,544, Cl. 272-73.000.

Sasaki, Seishi; Chiba, Mitsuo; Bannai, Tatsushi; and Awamoto, Shigeru, 4,807,056, Cl. 360-27.000.

Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744 Cl. 358-320.000.

Satake, Tetsuo, 4,861,619, Cl. 427-48.000.

Sato, Shigehiro; and Shimizu, Tokihiko, 4,828,947, Cl. 430-7.000.

Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.

Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.

Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, 4,799,208, Cl. 369-100.000.

Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,821,254, Cl. 369-54.000.

Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,823,333, Cl. 369-84.000.

Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, 4,833,663, Cl. 369-32.000.

Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.

Satomi, Mitsuo; and Kaminaka, Nobuyuki, 4,847,983, Cl. 29-603.000.

Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hiroshi; Yamamura, Michio; and Muramatsu, Shigeru, 4,886,435, Cl. 418-55.000.

Sekido, Satoshi; Takeda, Takeshi; and Tsuchiya, Sohji, 4,832,818, Cl. 204-412.000.

Sekimoto, Kunio; and Matsui, Masahiko, 4,811,121, Cl. 360-19.100.

Seno, Makito; Misawa, Yoshihiko; and Inukai, Tsutomu, 4,794,689, Cl. 29-740.000.

Serikawa, Mitsuhiko; Usuki, Sawako; and Sato, Katsuaki, 4,868,357, Cl. 219-10.55B.

Shibaike, Narito, 4,812,931, Cl. 360-99.060.

Shimeki, Yasuharu; Matsushima, Hiroshi; Ohtsu, Masamitsu; and Kihara, Nobuyoshi, 4,809,087, Cl. 360-19.100.

Shindo, Yasuhiro; Tsujimoto, Yukio; and Saito, Isami, 4,829,553, Cl. 338-309.000.

Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu, and Hirayama, Hiroshi, 4,842,654, Cl. 148-20.600.

Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, 4,844,377, Cl. 242-198.000.

Shiono, Teruhiro; Setsune, Kentaro; and Yamazaki, Osamu, 4,870,632, Cl. 369-44.000.

Shiragami, Kazuharu; Moriya, Mirsuro; and Yamaguchi, Hiroyuki, 4,833,664, Cl. 369-44.000.

Shiraishi, Masaaki; Ichiki, Masaaki; and Shibata, Kazuhiko, 4,805,155, Cl. 367-7.000.

Sogami, Atsushi; Katakabe, Noboru; Sano, Tetsuhiro; and Yoshii, Orio, 4,810,111, Cl. 400-120.000.

Suesada, Kunio, 4,847,701, Cl. 358-335.000.

Suesada, Kunio; and Koya, Toshiaki, 4,853,796, Cl. 358-324.000.

Sugawara, Norio, 4,824,023, Cl. 239-509.000.

Sugimura, Tatuo; Satoh, Isao; Imai, Yoshihiko; and Ichinose, Makoto, 4,841,498, Cl. 369-32.000.

Sugita, Ryuji; Tohma, Kiyokazu; Honda, Kazuyoshi; and Nanbu, Taro, 4,859,501, Cl. 427-131.000.

Suzuki, Kazuo, 4,852,164, Cl. 380-15.000.

Suzuki, Masaki; Nagano, Hiroyuki; Sato, Takeo; and Watanabe, Toshiyuki, 4,844,568, Cl. 350-6.200.

Tachita, Ryobun; Ikeda, Ken; and Teranishi, Akio, 4,800,577, Cl. 375-115.000.

Tadashi, Kunihira; and Minakuchi, Hiroshi, 4,879,754, Cl. 388-810.000.

Takada, Noboru; and Yokoyama, Hajime, 4,837,852, Cl. 455-197.000.

Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, 4,879,704, Cl. 369-14.000.

Takahashi, Ken; and Yohda, Hiroshi, 4,868,698, Cl. 360-126.000.

Takahashi, Kenichi; Hasegawa, Makoto; and Makimoto, Mitsuo, 4,864,644, Cl. 455-326.000.

Takahashi, Kenichiroh; Harao, Noriyuki; and Tanoue, Hiromi, 4,853,578, Cl. 310-315.000.

Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, 4,888,514, Cl. 310-316.000.

Takahashi, Koushiro, 4,823,027, Cl. 307-353.000.

Takai, Hitoshi; and Morotomi, Noriaki, 4,797,735, Cl. 358-86.000.

Takai, Hitoshi, 4,856,025, Cl. 375-40.000.

Takamura, Yoshinari; Obara, Kazuaki; and Nagashima, Michiyoshi, 4,875,203, Cl. 369-46.000.

Takano, Teruhisa; Yamasaki, Takahiko; and Akiyoshi, Mitsuo, 4,883,944, Cl. 219-492.000.

Takano, Teruhisa; Kurita, Hitoshi; Fujii, Yasuteru; Suenaga, Haruo; and Yano, Masashi, 4,888,461, Cl. 219-10.55B.

Takao, Masatoshi; Kimura, Kunio; Kurumizawa, Toshimitsu; and Nagata, Kenichi, 4,847,132, Cl. 428-64.000.

Takashima, Tadashi; and Fujimoto, Masayuki, 4,834,064, Cl. 126-96.000.

Takeda, Takeshi; Tsuchiya, Sohji; Watanabe, Yoshio; and Sekido, Satoshi, 4,887,186, Cl. 361-321.000.

Takemoto, Toyoki; Kawakita, Kenji; and Sakai, Hiroyuki, 4,814,287, Cl. 437-62.000.

Takemoto, Toyoki; Komeda, Tadao; Yamada, Haruyasu; and Fujita, Tsutomu, 4,826,780, Cl. 437-37.000.

Takemoto, Yoshiro; and Asano, Kenji, 4,850,103, Cl. 29-827.000.

Takeuchi, Akihiro; Kobayashi, Masaaki; Yamanishi, Kazuhiro; and Ochi, Atsuo, 4,807,050, Cl. 358-328.000.

Takeyama, Kojiro, 4,869,164, Cl. 99-483.000.

Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi; and Tanaka, Masumi, 4,797,690, Cl. 346-105.000.

Takita, Masaaki; Tsuru, Yoshikazu; Kitagawa, Toshiharu; and Nomura, Yoshikazu, 4,881,831, Cl. 400-120.000.

Takizaki, Takeshi, 4,814,570, Cl. 219-10.55B.

Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobue; Fujii, Eiji; and Okinaka, Hideyuki, 4,801,932, Cl. 340-783.000.

Tamae, Hiroaki; and Ashizaki, Yoshihiro, 4,818,908, Cl. 310-171.000.

Tamaki, Tokuhiko; and Kubota, Masafumi, 4,845,048, Cl. 437-62.000.

Tamura, Toru; Sunohara, Masaaki; Ito, Akio; and Nakatani, Yoshio, 4,849,151, Cl. 264-294.000.

Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomichi, Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,719, Cl. 430-58.000.

Tanaka, Junzo; and Motozuka, Yasuyuki, 4,804,812, Cl. 219-10.55F.

Tanaka, Shinichi; and Ishibashi, Hiromichi, 4,823,334, Cl. 369-112.000.

Tanaka, Shinichi; Koudo, Toshikazu; and Kushisaka, Tohru, 4,852,126, Cl. 375-76.000.

Tanaka, Shinichi; and Matsukawa, Shigeru, 4,862,295, Cl. 360-48.000.

Tanaka, Shotaro; Ikezaki, Masao; Ono, Yukiko; and Sasanuma, Hiroshi, 4,872,162, Cl. 370-85.120.

Tanaka, Tsuneo; Iwasa, Mikio; Kimura, Youichi; and Nakamura, Akira, 4,823,908, Cl. 181-175.000.

Tanaka, Yasuhiro; Nakajima, Yasuo; and Nagaoka, Yoshitomi, 4,842,388, Cl. 350-432.000.

Tanoue, Hiromi; Harao, Noriyuki; and Takahashi, Kenichiroh, 4,833,359, Cl. 310-316.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.

Teranishi, Akio; Genji, Nobuo; and Itoh, Kohji, 4,888,788, Cl. 375-1.000.

Terui, Yasuaki, 4,888,635, Cl. 357-24.000.

Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, 4,814,668, Cl. 313-506.000.

Topper, Robert J.; and Dischert, Lee R., 4,814,863, Cl. 358-31.000.

Topper, Robert J.; and Dischert, Lee R., 4,833,526, Cl. 358-21.000.

Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, 4,886,714, Cl. 428-694.000.

Toyoguchi, Yoshinori; Yamaura, Junichi; Matsui, To[illegible] and Iijima, Takashi, 4,851,309, Cl. 429-194.000.

Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, 4,859,496, Cl. 427-53.100.

Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.

Tsuchiya, Soji; Ito, Yoshimasa; Higuchi, Sadashi; and Yamashita, Akio, 4,855,727, Cl. 340-785.000.

Tsuda, Yukifumi; Kotera, Hiroaki; and Furnoto, Teruo, 4,814,867, Cl. 358-80.000.

Tsujihara, Susumu; and Kataoka, Teruo, 4,857,998, Cl. 358-60.000.

Tsukamoto, Masao; Kawamoto, Kinji; and Uya, Masaru, 4,815,352, Cl. 84-1.010.

Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, 4,883,967, Cl. 250-370.010.

Uchida, Masami; and Minamide, Seiko, 4,877,475, Cl. 156-273.700.

Ueda, Hideshi; Okumura, Kazumasa; Morimoto, Masamichi; and Okahashi, Yoshikazu, 4,845,764, Cl. 382-8.000.

Ueda, Shigeki, 4,831,239, Cl. 219-518.000.

Ueda, Shigeki, 4,833,304, Cl. 219-518.000.

Ueda, Shuji; Nakata, Kunio; Inoue, Mamoru; and Fujino, Kazuhiko, 4,829,716, Cl. 51-134.000.

Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, 4,866,258, Cl. 235-472.000.

Uekawa, Yutaka; Takata, Shuji; and Goto, Michiyo, 4,882,758, Cl. 381-50.000.

Ueki, Kouichi; and Fujieda, Hiroshi, 4,867,375, Cl. 236-12.120.

Usui, Akira; Kubo, Kazuhiko; and Nagai, Hiroyuki, 4,797,638, Cl. 331-117.00D.

Usui, Akira; Sakashita, Seiji; Fukui, Kiyotake; and Nagai, Hiroyuki, 4,806,876, Cl. 330-279.000.

Usui, Makoto; Murai, Katsumi; and Satoh, Isao, 4,821,253, Cl. 369-54.000.

Watanabe, Yoshio; Nakayama, Yasuhiko; Furuya, Nobuaki; and Miyama, Hiroshi, 4,796,134, Cl. 360-125.000.

Yamada, Jiro; Haseoka, Masahide; and Obata, Isao, 4,841,503, Cl. 369-14.000.

Yamada, Toshio; and Inoue, Michihiro, 4,807,194, Cl. 365-207.000.

Yamaguchi, Kazufumi; Murata, Takahiko; and Yamamoto, Yasunori, 4,845,567, Cl. 358-213.290.

Yamaguchi, Seiji, 4,887,084, Cl. 341-160.000.

Yamaguchi, Susumu, 4,852,102, Cl. 371-40.000.

Yamamori, Kiyoshi; Satoh, Kimikatsu; Hasegawa, Shigeyoshi; and Higuchi, Sadashi, 4,851,863, Cl. 346-140.00R.

Yamamoto, Akihiro; Makino, Yutaka; and Kaino, Shinji, 4,817,849, Cl. 228-103.000.

Yamamoto, Hajime; and Takashima, Yuji, 4,809,038, Cl. 355-4.000.

Yamamoto, Yoshiharu; and Kimura, Yuichi, 4,850,663, Cl. 350-6.800.

Yamashita, Ichiro; Wakamiya, Masayuki; Hase, Hiroyuki; and Tokuono, Shinya, 4,812,758, Cl. 324-209.000.

Yamashita, Ichiro; and Takeda, Mamoru, 4,890,097, Cl. 340-719.000.

Yamashita, Kazuo, 4,817,704, Cl. 165-10.000.

Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.

Yokogawa, Toshiya; and Ogura, Mototsugu, 4,866,689, Cl. 357-17.000.

Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, 4,885,661, Cl. 361-321.000.

Yoshida, Akihiko; Nishino, Atsushi; Tanahashi, Ichiro; and
chi, Yasuhiro, 4,814,145, Cl. 422-150.000.

Yoshida, Akihisa; Setsune, Kentaro; and Hirao, Takashi, 4,85
Cl. 315-111.810.

Yoshida, Yoshikazu, 4,846,953, Cl. 204-298.000.

Yoshikawa, Masanori; and Watanabe, Shuichi, 4,841,15
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Yoshimura, Susumu; Tsuchiya, Ohji; Kudoh, Yasuo; and Ko
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Yoshizumi, Keiichi, 4,822,139, Cl. 350-257.000.

Yuhaku, Satoru; Nakatani, Seiichi; Nishimura, Tsutomu; a
Ishida, Toru, 4,812,422, Cl. 501-20.000.

Yuhaku, Satoru; Nakatani, Seiichi; and Nishimura, Tsu
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Zaitsu, Osamu; and Kikuya, Satoshi, 4,807,077, Cl. 360-132.0

Matsushita Electric Works, Ltd.: *See*—

Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasu
Kanda, Minoru; and Miyachi, Nobuaki, 4,816,335, Cl.
700.0MS.

Akiyama, Sigeo, 4,804,866, Cl. 307-311.000.

Akiyama, Sigeo, 4,873,202, Cl. 437-62.000.

Araki, Masakatsu; Haraguchi, Hideaki; Tsujimura, Shinichiro
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Fujikawa, Shouji; Araki, Masakatsu; Kumano, Fumihiro;
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Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Ta
Ishikawa, Hiroyuki; and Konishi, Satoru, 4,857,36
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Hirata, Atsuomi; Nakamura, Yoshihiko; and Mori, Ke
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Hirata, Atsuomi; and Mamiya, Hirokuni, 4,890,152, Cl. 357-7

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Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Tosh
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Matsumura, Syuusuke; Kojima, Hajime; and Miyano, Tak
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Nagamoto, Mitsuki; and Shiomi, Masayuki, 4,825,179
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Nakamura, Katsuji; Kitamura, Masami; and Iwanaga, Ko
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Nakao, Kouichi; Toki, Akira; Morisue, Kazushige; and Koba
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Toguchi, Takehiko; Tateno, Mamoru; Shibata, Kiwamu; and
oue, Hiromichi, 4,866,227, Cl. 200-147.00A.

Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Mori
Ikuhisa; and Yamada, Tooru, 4,813,888, Cl. 429-583.000.

Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Ka
Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masa
Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yo
Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.

Tsukamoto, Katsuya; Masamoto, Kyoji; Fujii, Yasuhiro; and
suda, Yoshihiro, 4,851,855, Cl. 343-700.0MS.

Tsukamoto, Katsuya; Fujii, Yasuhiro; and Abiko, To
4,857,938, Cl. 343-700.0MS.

Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Mi
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Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, Cl. 427-98.000.

Yamaguchi, Shuichiroh; Idaka, Yukio; Matsumoto, Takeshi; and Irie, Tatsuhiko, 4,805,006, Cl. 357-30.000.

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Matsushita Electronics Corporation: *See*—

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Ashizaki, Shigeya; Konosu, Osamu; Suzuki, Hiroshi; and Natsuhara, Masao, 4,831,309, Cl. 313-413.000.

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Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Sakagami, Masahiko, 4,821,299, Cl. 377-69.000.

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Nishimoto, Toshio; Kawai, Hideki; Fujii, Masaru; and Ohta, Kiyoto, 4,845,6[illegible], Cl. 365-78.000.

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Ueda, Seiji, 4,797,719, Cl. 357-23.600.

Matsushita Graphic Communication Systems, Inc.: *See*—

Kobayashi, Kazuo; Togashi, Mitsuo; and Fukuda, Satoshi, 4,812,667, Cl. 250-578.000.

Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, 4,839,879, Cl. 369-54.000.

Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, to Japan Tobacco, Inc. Method of reducing nitrile into a corresponding alcohol. 4,810,825, 3-7-89, Cl. 568-840.000.

Matsushita, Hajime; Shibagaki, Makoto; Takahashi, Kyoko; and Kuno, Hideyuki, to Japan Tobacco, Inc. Method of preparing acetal or ketal. 4,841,075, 6-20-89, Cl. 549-341.000.

Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, to Japan Tobacco Inc. Method of producing aldehyde compound. 4,847,424, 7-11-89, Cl. 568-484.000.

Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, to Japan Tobacco Inc. Method of producing formamide compounds. 4,871,858, 10-3-89, Cl. 546-244.000.

Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, to Japan Tobacco, Inc. Method of producing alcohol compounds. 4,880,937, 11-14-89, Cl. 546-344.000.

Matsushita, Hajime: *See*—

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Yabe, Ryohei; and Matsushita, Hajime, 4,810,869, Cl. 250-201.000.

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Matsushita, Hideo: *See*—

Choi, Hin-Fai; Matsushita, Hideo; and Suzawa, Masamiti, 4,834,010, Cl. 112-292.000.

Matsushita, Isao; and Iijima, Hideo, to Inax Corporation. Dry-type rubber pressing method. 4,888,144, 12-19-89, Cl. 264-120.000.

Matsushita, Junichi; Saito, Hajime; and Nagashima, Hideo, to STK Ceramics Laboratory Corp.; and Toshiba Ceramics Co., Ltd. Method for manufacturing a metal boride ceramic material. 4,873,053, 10-10-89, Cl. 419-11.000.

Matsushita, Ken-ichi; Okamoto, Taira; Shimada, Masahiko; and Takeuchi, Hisao, to Sumitomo Electric Industries, Ltd.; and Osaka University, President of. Device for measuring Young's modulus and internal friction of specimen. 4,794,798, 1-3-89, Cl. 73-7[illegible]9.000.

Matsushita, Koichi; and Suzuki, Hiroyuki, to Canon Kabushiki Kaisha. Rotary motion driving apparatus. 4,822,182, 4-18-89, Cl. 384-107.000.

Matsushita, Koichi: *See*—

Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.

Ohta, Jiro; Tozawa, Sadamu; Matsushita, Koichi; and Maruyama, Yutaka, 4,838,710, Cl. 384-100.000.

Matsushita, Koji; and Iketani, Akira, to Matsushita Electric Industrial Co., Ltd. Viterbi detector for digital signal. 4,847,871, 7-11-89, Cl. 375-94.000.

Matsushita, Kouji; Nakagami, Hidekazu; Nishioka, Nobuaki; and Makio, Tatsumi, to Minolta Camera Kabushiki Kaisha. Electrostatic image forming apparatus. 4,811,045, 3-7-89, Cl. 355-3.0CH.

Matsushita, Kouji; Tange, Keigo; and Yuge, Shizuo, to Minolta Camera Kabushiki Kaisha. Automatic image density control apparatus. 4,878,082, 10-31-89, Cl. 355-208.000.

Matsushita, Kouji: *See*—

Yuge, Shizuo; Matsushita, Kouji; and Kawabata, Hidetoshi, 4,887,130, Cl. 355-251.000.

Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, to Minebea Co., Ltd. Resin-filled permanent-magnet stepping motor. 4,841,190, 6-20-89, Cl. 310-257.000.

Matsushita, Machiko; and Watabe, Masahiro, to Canon Kabushiki Kaisha. Apparatus for detecting abnormality of the spinal column. 4,832,049, 5-23-89, Cl. 128-781.000.

Matsushita, Machiko; Aoki, Akio; and Minoura, Kazuo, to Canon Kabushiki Kaisha. Apparatus for reproducing information recorded on a recording medium. 4,870,633, 9-26-89, Cl. 369-47.000.

Matsushita, Machiko: *See*—

Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, 4,888,753, Cl. 369-44.000.

Matsushita, Masao: *See*—

Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; [illegible], Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

Matsushita, Nobuo: *See*—

Maruyama, Tatsuo; and Matsushita, Nobuo, 4,838,629, Cl. 350-1.600.

Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, to Hitachi, Ltd. Electromagnetic bearing control apparatus. 4,841,212, 6-20-89, Cl. 318-607.000.

Matsushita Refrigeration Company: *See*—

Araki, Tokinori; and Asada, Masaharu, 4,805,666, Cl. 137-625.430.

Kato, Kaoru; Koma, Hachiro; and Kawai, Masashi, 4,832,117, Cl. 165-151.000.

Matsushita, Shuzo: *See*—

Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsushita, Shuzo; Hoda, Takeo; and Mukai, Hiromu, 4,862,206, Cl. 354-414.000.

Matsushita, Souji; Shimizu, Setsuro; Takeuchi, Toru; and Tahara, Susumu, to Fujisawa Pharmaceutical Co., Ltd. Air-entraining agent for flyash cement composition. 4,828,619, 5-9-89, Cl. 106-95.000.

Matsushita, Takao; Kira, Akihiko; and Ametani, Minoru, to Nitto Electric Industrial Co., Ltd. Sticking and cutoff device for adhering adhesive tape on thin articles. 4,865,677, 9-12-89, Cl. 156-353.000.

Matsushita, Takashi, to Sanden Corporation. Apparatus for preventing heat damage in an electromagnetic clutch. 4,799,578, 1-24-89, Cl. 192-84.00C.

Matsushita, Takashi, to Canon Kabushiki Kaisha. Photographic lens of extended focusing range with improved stability of picture quality. 4,807,983, 2-28-89, Cl. 350-463.000.

Matsushita, Takashi, to Sanden Corporation. Electromagnetic clutch. 4,828,090, 5-9-89, Cl. 192-84.00C.

Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, to Canon Kabushiki Kaisha. Zoom lens capable of selecting a focal length beyond a standard focal length range. 4,865,434, 9-12-89, Cl. 350-430.000.

Matsushita, Takashi; and Yanai, Genzo, to Sanden Corporation. Method and arrangement for securing a pulley to a rotor in an electromagnetic clutch. 4,874,973, 10-17-89, Cl. 310-78.000.

Matsushita, Takashi: *See*—

Ogawa, Hideki; and Matsushita, Takashi, 4,871,243, Cl. 350-463.000.

Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.

Matsushita, Tatsuo: *See*—

Porter, James P.; Matsushita, Tatsuo; and Hesterberg, Lyndal K., 4,806,467, Cl. 435-7.000.

Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, to Mita Industrial Co., Ltd. Document size detecting device. 4,814,833, 3-21-89, Cl. 355-75.000.

Matsushita, Tetsuya: *See*—

Sawada, Shinichi; Matsushita, Tetsuya; and Isoyama, Toyoshiro, 4,877,549, Cl. 252-299.630.

Tsunoda, Arihiro; Tsuji, Kikunosuke; Nakakuma, Akira; and Matsushita, Tetsuya, 4,862,218, Cl. 355-235.000.

Matsushita, Toshihiko; Hiraishi, Shigetoshi; and Morishita, Sadao, to Mitsubishi Paper Mills, Ltd. Heat-sensitive thermal transfer recording sheet and system using the same. 4,824,824, 4-25-89, Cl. 503-204.000.

Matsushita, Toshihiko: *See*—

Morishita, Sadao; Matsushita, Toshihiko; and Sugiyama, Takeo, 4,806,421, Cl. 428-324.000.

Morishita, Sadao; Matsushita, Toshihiko; and Se[illegible] Mikiya, 4,837,199, Cl. 503-227.000.

Matsushita, Toshihiro; and Satoh, Shin-ichi, to Fuji Photo Film Co., Ltd. Method of inspecting magnetic disks for surface defects. 4,829,249, 5-9-89, Cl. 324-212.000.

Matsushita, Toshikazu: *See*—

Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.

Matsushita, Toshio; Amano, Hideaki; Yamaura, Satoru; Nakamura, Shigeo; and Nakada, Yasusuke, to Hitachi, Ltd. Actuator for positioning heads in magnetic disc apparatus. 4,855,853, 8-8-89, Cl. 360-106.000.

Matsushita, Tsutomu; and Mihara, Teruyoshi, to Nissan Motor Company Limited. Integrated circuit device having vertical MOS provided with Zener diode. 4,862,233, 8-29-89, Cl. 357-23.400.

Matsushita, Tsutomu, to Nissan Motor Company, Ltd. IC device having a vertical MOSFET and an auxiliary component. 4,881,107, 11-14-89, Cl. 357-23.400.

Matsushita, Tsutomu, to Nissan Motor Company, Limited. IC with recombination layer and guard ring separating VDMOS and CMOS or the like. 4,881,112, 11-14-89, Cl. 357-47.000.
Matsushita, Tsuyoshi, to Tokyo Electric Company, Ltd. Connecting structure for connecting a memory unit to a memory unit controller. 4,849,944, 7-18-89, Cl. 371-21.000.
Matsushita, Yasuhiro: *See—*
  Aoki, Shigeo; Ukai, Yasuhiro; and Matsushita, Yasuhiro, 4,869,576, Cl. 350-336.000.
Matsushita, Yoshiaki, to Kabushiki Kaisha Toshiba. Gettering process with multi-step annealing and inert ion implantation. 4,885,257, 12-5-89, Cl. 437-11.000.
Matsushita, Yoshiaki: *See—*
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  Hiratsuka, Hachiro; Matsushita, Yoshiaki; and Yoshii, Shintaro, 4,837,610, Cl. 357-52.000.
  Kubota, Atsuko; Matsushita, Yoshiaki; and Ohwada, Yoshiaki, 4,862,000, Cl. 250-341.000.
Matsushita, Yoshifumi: *See—*
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  Shibata, Fumiaki; and Matsutake, Masayuki, 4,850,038, Cl. 455-315.000.
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  Matsui, Takayuki; Okuyama, Toshiaki; Matsutake, Mitsugu; Takahashi, Junichi; and Ito, Masami, 4,884,184, Cl. 363-46.000.
Matsutani, Kanji, to Matsutani Seisakusho Co., Ltd. Apparatus for attaching suture to surgical needle. 4,799,311, 1-24-89, Cl. 29-209.000.
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  Tezuka, Satoshi; and Matsutani, Kanji, 4,869,788, Cl. 204-15.000.
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  Soga, Katumasa; and Matsutani Kazuo, 4,875,426, Cl. 114-123.000.
Matsutani, Kinya, to Kabushiki Kaisha Toshiba. Single crystal growth apparatus. 4,830,703, 5-16-89, Cl. 156-617.100.
Matsutani, Kinya, to Kabushiki Kaisha Toshiba. Magnetic resonance system. 4,875,485, 10-24-89, Cl. 128-653.000.
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  Sasaki, Katutoki; Ohguma, Hirotsugu; and Matsutani, Kinya, 4,849,727, Cl. 335-301.000.
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  Matsutani, Kanji, 4,799,311, Cl. 29-209.000.
  Tezuka, Satoshi; and Matsutani, Kanji, 4,869,788, Cl. 204-15.000.
Matsutani, Shigeru; Mizushima, Yukio; Doteuchi, Masami; and Ishihara, Yasunobu, to Shionogi & Co., Ltd. 9-(Substituted thio)-4H-pyrido[1,2,-A]pyrimidin-4-one derivatives. 4,840,953, 6-20-89, Cl. 514-258.000.
Matsutani, Shunji: *See—*
  Ishimaru, Toshiaki; Kawamura, Shoji; and Matsutani, Shunji, 4,851,869, Cl. 354-195.100.
Matsuto, Takushi: *See—*
  Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
Matsuuchi, Yasuyuki: *See—*
  Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, 4,866,474, Cl. 355-218.000.
  Miyamoto, Hirohisa; and Matsuuchi, Yasuyuki, 4,853,739, Cl. 355-229.000.
Matsuura, Hideaki: *See—*
  Imai, Shozaburo; Isobe, Michihisa; Yokoo, Kazuhiro; and Matsuura, Hideaki, 4,812,345, Cl. 428-65.000.
Matsuura, Hideo: *See—*
  Shiotani, Tadahiko; and Matsuura, Hideo, 4,796,440, Cl. 62-343.000.
Matsuura, Hirokazu; and Anzai, Shunju, to Shapr Kabushiki Kaisha. Manual copying apparatus. 4,868,676, 9-19-89, Cl. 358-296.000.
Matsuura, Hiromi: *See—*
  Muranaka, Masaya; Matsuura, Hiromi; Kenmizaki, Kanehide; and Okayama, Osamu, 4,849,939, Cl. 365-200.000.
Matsuura, Hiromichi: *See—*
  Yoshida, Susumu; Nakagawa, Shizutoshi; Ushiroguchi, Tsuyoshi; Matsuura, Hiromichi; and Yazaki, Akira, 4,876,281, Cl. 514-517.000.
Matsuura, Hiroshi; and Hirai, Shoichi, to Kabushiki Kaisha Toshiba. Pattern recognition apparatus for determining a reference pattern by K-L expansion utilizing a power method. 4,827,522, 5-2-89, Cl. 381-43.000.
Matsuura, Hiroshi: *See—*
  Negi, Yoshitaka; and Matsuura, Hiroshi, 4,822,099, Cl. 297-349.000.
Matsuura, Hitoshi, to Fanuc Ltd. Pick-feed method in tracing of a rotating body. 4,870,337, 9-26-89, Cl. 318-578.000.
Matsuura, Ichiro: *See—*
  Sugiura, Takashi; Matsuura, Ichiro; Miyauchi, Fumio; and Chiyoshi, Toyoharu, 4,886,630, Cl. 264-46.600.
Matsuura, Isao: *See—*
  Kobayashi, Masanori; Matsuura, Isao; Wakatsuki, Akira; and Shida, Yu, 4,861,816, Cl. 524-204.000.
Matsuura, Iwao, to Nissho Corporation. Urine-collecting device. 4,838,883, 6-13-89, Cl. 604-349.000.
Matsuura, Iwao, to Nissho Corporation. Urine-collecting device. 4,886,510, 12-12-89, Cl. 604-353.000.

Matsuura, Junichi: Oguchi, Tatsuki; and Okada, Munehisa, to Direc General of Agency of Industrial Science and Technology. for gas separation. 4,818,255, 4-4-89, Cl. 55-16.000.
Matsuura, Junichi: *See—*
  Yasuda, Mitsuyoshi; Matsuura, Junichi; Ikemoto, Kazuhiko; Katayama, Nobuaki, 4,794,942, Cl. 137-197.000.
Matsuura, Kazuo: *See—*
  Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, shihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, 267-140.100.
  Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yama Noboru; and Matsuura, Kazuo, 4,822,855, Cl. 525-194.000.
  Sano, Akira; Kubo, Kunimichi; and Matsuura, Kazuo, 4,84 Cl. 502-113.000.
  Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoya Shigeki; and Kamiya, Takeshi, 4,879,076, Cl. 264-28.000.
  Tajima, Yoshio; Nomiyama, Kazutosi; Shimo, Yoshiyuki; Kawa Nobuyuki; and Matsuura, Kazuo, 4,835,219, Cl. 525-240.000.
Matsuura, Kotaro; and Oyamada, Kenji, to Sanyo Electric Co., L Method of manufacturing an amorphous magnetic head. 4,795, 1-3-89, Cl. 156-153.000.
Matsuura, Kouji: *See—*
  Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Ma Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Ma suura, Kouji, 4,818,362, Cl. 204-406.000.
  Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsu Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,84 Cl. 364-442.000.
Matsuura Machinery Corporation: *See—*
  Itoh, Saburo, 4,799,582, Cl. 198-346.100.
Matsuura, Makiko: *See—*
  Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, shito; Shin, Sadahito; and Shima, Kenji, 4,837,170, 436-548.000.
Matsuura, Masaaki; Ishikawa, Mitsuru; Nakamori, Masaharu; Kuroki, Masahiro, to Honda Giken Kogyo Kabushiki Kaisha. valve device for internal combustion engines. 4,858,577, 8-22-8 123-190.00A.
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Matsuura, Masahiro: *See—*
  Hotta, Hirohisa; Ono, Yotaro; and Matsuura, Masahiro, 4,87 Cl. 266-270.000.
  Oono, Yotaro; Seito, Hiroshi; Miyamoto, Takehiko; Waka Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,84 Cl. 75-42.000.
Matsuura, Mitsuyuki; Fujita, Takashi; and Hirakawa, Katsumi, to Mit subishi Petrochemical Company Limited. Catalyst for olefin po merization. 4,814,314, 3-21-89, Cl. 502-112.000.
Matsuura, Mitsuyuki; and Fujita, Takashi, to Mitsubishi Petrochem Company Limited. Catalyst component for polymerization of ol 4,822,763, 4-18-89, Cl. 502-113.000.
Matsuura, Mitsuyuki; and Fujita, Takashi, to Mitsubishi Petrochem Company Limited. Catalysts for the polymerization of ol 4,870,043, 9-26-89, Cl. 502-116.000.
Matsuura, Nobuyuki, to Olympus Optical Co., Ltd. Endosc 4,860,731, 8-29-89, Cl. 128-6.000.
Matsuura, Nobuyuki: *See—*
  Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Ya moto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Ko Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobu 4,799,228, Cl. 372-46.000.
Matsuura, Norio. Spring producing apparatus. 4,884,428, 12-5-89, 72-142.000.
Matsuura, Osamu: *See—*
  Sakamoto, Toshinori; and Matsuura, Osamu, 4,807,925, 296-194.000.
  Sakiyama, Noritaka; and Matsuura, Osamu, 4,804,222, 296-203.000.
Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nam suaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, shiyuki, to Kawasaki Kasei Chemicals Ltd. Catalyst for produ 1,4-naphthoquinone. 4,840,932, 6-20-89, Cl. 502-202.000.
Matsuura, Ryo; Isobe, Nobuyuki; and Kase, Masao, to Pioneer El tronic Corporation. Front loading disk player. 4,882,722, 11-2 Cl. 369-75.200.
Matsuura, Ryo: *See—*
  Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yama Masakazu; Tanaka, Kenji; and Matsuura, Ryo, 4,845,700, 369-75.200.
Matsuura, Sadaji; Arai, Yasuo; Aoki, Shigeki; and Ando, Satoru, to Fire-Proof Material Industry Co., Ltd. Process for produci fire-resistant, light-weight construction material. 4,812,169, 3-14 Cl. 106-15.050.
Matsuura, Susumu, to Asahi Kasei Kogyo Kabushiki Kaisha. Sy for forming design pattern data. 4,807,143, 2-21-89, Cl. 364-468.
Matsuura, Syuuji, to Sharp Kabushiki Kaisha. Bandpass filter fo CATV converter. 4,849,721, 7-18-89, Cl. 333-174.000.
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Matsuura, Takeshi: *See—*
  Farnand, Brian; Matsuura, Takeshi; and Sourirajan, Srini 4,814,084 Cl. 210-500.290.

Matsuura, Tamiaki: *See—*
  Tanaka, Satoru; Takada, Seizou; and Matsuura, Tamiaki, 4,818,381, Cl. 209-573.000.
Matsuura, Tatsuji: *See—*
  Baji, Toru; Matsuura, Tatsuji; Tsukada, Toshiro; and Ohba, Shinya, 4,825,287, Cl. 358-160.000.
Matsuura, Tatsukichi: *See—*
  Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.
Matsuura, Tooru; Ishida, Noboru; and Kawamura, Mitsuyoshi, to NGK Spark Plug Co., Ltd. Adjustment mechanism for ceramic rocker arm. 4,796,576, 1-10-89, Cl. 123-90.430.
Matsuura, Tooru; and Narita, Yoshinori, to NGK Spark Plug Co., Ltd. Rocker arm made of ceramics. 4,881,498, 11-21-89, Cl. 123-90.390.
Matsuura, Tooru; and Taniguchi, Masato, to NGK Spark Plug Co., Ltd. Ceramic insert for defining precombustion chamber in cylinder head. 4,887,568, 12-19-89, Cl. 123-270.000.
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Matsuura, Toshio: *See—*
  Katoh, Kinya; and Matsuura, Toshio, 4,801,208, Cl. 356-401.000.
Matsuura, Toshitaka: *See—*
  Furusaki, Keizo; Nasu, Mineji; Matsuura, Toshitaka; Takami, Akio; and Okawa, Teppei, 4,857,275, Cl. 422-98.000.
  Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.
Matsuura, Yoshikatsu: *See—*
  Miyabayashi, Shigeaki; Kanai, Hiroshi; Oka, Joji; and Matsuura, Yoshikatsu, 4,861,672, Cl. 428-458.000.
  Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,890, Cl. 528-45.000.
  Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,891, Cl. 528-45.000.
Matsuura, Yutaka: *See—*
  Fujimura, Setsuo; Sagawa, Masato; and Matsuura, Yutaka, 4,840,684, Cl. 148-302.000.
  Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, 4,859,255, Cl. 148-302.000.
  Hamada, Takaki; Hayakawa, Tetsuji; and Matsuura, Yutaka, 4,837,114, Cl. 427-127.000.
  Yamamoto, Hitoshi; Sagawa, Masato; Fujimura, Setsuo; and Matsuura, Yutaka, 4,826,546, Cl. 148-102.000.
Matsuya, Tatsuyuki: *See—*
  Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
Matsuyama, Akira: *See—*
  Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.
Matsuyama, Chiaki: *See—*
  Tajiri, Hiromitsu; Nishiguchi, Yasuo; and Matsuyama, Chiaki, 4,797,561, Cl. 250-578.000.
Matsuyama, Fumio: *See—*
  Okazaki, Hiroshi; Matsuyama, Fumio; and Watabe, Seiji, 4,818,618, Cl. 428-421.000.
Matsuyama, Haruhiko; Shoji, Fusaji; Kuwatsuka, Shunichiro; and Sugimoto, Kenji, to Hitachi, Ltd. Thin film magnetic head. 4,824,731, 4-25-89, Cl. 428-473.500.
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Matsuyama, Jiro, to Mitsubishi Denki Kabushiki Kaisha. Magnetic disk device with component materials having improved silicon content. 4,800,456, 1-24-89, Cl. 360-109.000.
Matsuyama, Jiro, to Mitsubishi Denki Kabushiki Kaisha. Viscosity damper. 4,873,888, 10-17-89, Cl. 74-574.000.
Matsuyama, Junya: *See—*
  Sato, Kouki; Matsuyama, Junya; and Nishiyama, Noboru, 4,803,340, Cl. 219-146.100.
Matsuyama, Kenji: *See—*
  Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.
Matsuyama, Kikuma: *See—*
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Matsuyama, Naoki: *See—*
  Kogure, Masaaki; Mitekura, Yoshihiro; Matsuyama, Naoki; and Shinguryo, Satoshi, 4,857,908, Cl. 340-785.000.
Matsuyama, Shigeru, to Canon Kabushiki Kaisha. Character imputting electronic equipment which sets input mode based on tab position. 4,865,474, 9-12-89, Cl. 400-61.000.
Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, to Sanyo Electric Co., Ltd. Field effect transistor. 4,799,087, 1-17-89, Cl. 357-4.000.
Matsuyama, Takeshi: *See—*
  Yokoyama, Takashi; Hide, Ichiro; Sawaya, Keiji; and Matsuyama, Takeshi, 4,820,145, Cl. 425-425.000.
Matsuyama, Toshiro; Kojima, Yoshimi; and Ehara, Shaw, to Sharp Kabushiki Kaisha. Apparatus and method for manufacturing photosensitive amorphous silicon objects. 4,851,256, 7-25-89, Cl. 427-39.000.
Matsuyama, Toshiro: *See—*
  Hayakawa, Takashi; Nojima, Hideo; Kojima, Yoshimi; Narikawa, Shiro; Matsuyama, Toshiro; Imada, Eiji; and Ehara, Shaw, 4,853,309, Cl. 430-65.000.
Matsuyama, Tsunekazu: *See—*
  Kumazawa, Yoshihiko; and Matsuyama, Tsunekazu, 4,857,722, Cl. 250-207.000.
Matsuyama, Yasushi; and Sasagawa, Koichi, to Tomy Kogyo Co., Inc. Pivotable running toy. 4,813,906, 3-21-89, Cl. 446-457.000.
Matsuyama, Yasushi, to Tomy Kogyo Co., Inc. Circular, foldable toy. 4,832,652, 5-23-89, Cl. 446-397.000.
Matsuyama, Yohei: *See—*
  Hanada, Heiroku; Uesu, Yoshihiro; Matsuyama, Yohei; and Kato, Yuji, 4,801,229, Cl. 410-26.000.
Matsuyama, Yukihiro: *See—*
  Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, 4,888,514, Cl. 310-316.000.
Matsuyama, Yukio; and Ichinose, Toshiaki, to Hitachi, Ltd. Method and apparatus for detecting pattern defects. 4,860,371, 8-22-89, Cl. 382-8.000.
Matsuzaka, Eiichi: *See—*
  Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaka, Eiichi; and Narui, Satoshi, 4,803,238, Cl. 524-486.000.
  Takahashi, Naoya; Narui, Satoshi; and Matsuzaka, Eiichi, 4,879,269, Cl. 503-213.000.
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  Ando, Masaaki; and Matsuzaka, Masaaki, 4,807,296, Cl. 382-8.000.
Matsuzaka, Syoji: *See—*
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Matsuzaka, Takashi: *See—*
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Matsuzaka, Takeshi: *See—*
  Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.
Matsuzaki, Akira; Ejiri, Yoshihiro; Nakai, Taiichiro; and Yamaguchi, Yoshiro, to Kokusai Denshin Denwa Co., Ltd. Anchor for hooking, severing and holding marine cable. 4,805,547, 2-21-89, Cl. 114-221.00A.
Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, to Sony Corporation. Message delivery system operable in an override mode upon reception of a command signal. 4,887,152, 12-12-89, Cl. 358-86.000.
Matsuzaki, Atsushi: *See—*
  Tagawa, Koichi; Matsuzaki, Atsushi; Toyoshima, Masakatsu; and Kondo, Yoshiyuki, 4,866,515, Cl. 358-86.000.
Matsuzaki, Harumi: *See—*
  Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.
Matsuzaki, Hitoshi: *See—*
  Harada, Eiji; Matsuzaki, Hitoshi; Tomita, Sigeo; and Chida, Katsunori, 4,884,126, Cl. 357-81.000.
Matsuzaki, Ichiro: *See—*
  Kawatsuki, Nobuhiro; Fujisawa, Katsuya; Matsuzaki, Ichiro; and Uetsuki, Masao, 4,842,969, Cl. 430-5.000.
Matsuzaki, Katsuhiko: *See—*
  Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, 4,838,914, Cl. 65-2.000.
Matsuzaki, Katsumi; Usui, Kenji; and Ikemoto, Seishi, to Kawasaki Kasei Chemicals Ltd. Method for molding 1,4,4a,9a-tetrahydroanthraquinone. 4,795,604, 1-3-89, Cl. 264-144.000.
Matsuzaki, Katsumi: *See—*
  Sato, Jun; Matsuzaki, Katsumi; and Matsukura, Yoshiharu, 4,866,044, Cl. 514-77.000.
Matsuzaki, Kazuo, to Fuji Electric Co., Ltd. Insulated gate field effect transistor with vertical channel. 4,851,889, 7-25-89, Cl. 357-23.400.
Matsuzaki, Masatoshi, to Konishiroku Photo Industry Co., Ltd. Thermal transfer printer. 4,843,409, 6-27-89, Cl. 346-76.0PH.
Matsuzaki, Masatoshi: *See—*
  Hasegawa, Tai; Monnai, Jun; and Matsuzaki, Masatoshi, 4,816,842, Cl. 346-76.0PH.
Matsuzaki, Minoru; Itoh, Junichi; and Watanabe, Youji, to Olympus Optical Co., Ltd. Automatic focusing camera. 4,873,543, 10-10-89, Cl. 354-402.000.
Matsuzaki, Minoru: *See—*
  Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,816,858, Cl. 354-400.000.
  Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,853,733, Cl. 354-412.000.
Matsuzaki Seisan Kabusiki Kaisha: *See—*
  Takeuchi, Tadao, 4,854,602, Cl. 280-79.110.
Matsuzaki, Shuichi: *See—*
  Nakamura, Masaru; and Matsuzaki, Shuichi, 4,838,811, Cl. 439-607.000.

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Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.
Matsuzaki, Tokuo: *See—*
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Matsuzaki, Tsutomu: *See—*
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Matsuzaki, Yoshiki: *See—*
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Matsuzaki, Youzi: *See—*
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Matsuzawa, Hideki: *See—*
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Wada, Toshihiko; and Matsuzawa, Hideki, 4,801,334, Cl. 134-21.000.
Matsuzawa, Hideo: *See—*
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Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, to Yoshizawa LA Kabushiki Kaisha. Insoluble anode made of lead alloy. 4,867,858, 9-19-89, Cl. 204-290.00R.
Matsuzawa, Hiroshi: *See—*
Yamaura, Michio; Yatabe, Toshiaki; Matsuzawa, Hiroshi; and Tomie, Takashi, 4,865,916, Cl. 428-336.000.
Matsuzawa, Kinya: *See—*
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Matsuzawa, Koichi: *See—*
Okamura, Katsutoshi; Esaki, Yasuo; Matsuzawa, Koichi; and Asano, Katsuhiko, 4,880,650, Cl. 426-330.400.
Matsuzawa, Kunihiko: *See—*
Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,887,101, Cl. 346-134.000.
Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.
Uchida, Takashi; Hoshino, Osamu; Chiku, Kazuyoshi; Murayama, Yasushi; and Matsuzawa, Kunihiko, 4,816,844, Cl. 346-160.000.
Matsuzawa, Masafumi; Hokari, Hiroshi; Kusano, Shoji; Miyazawa, Takeshige; and Toyokawa, Yasufumi. Cyclohexane derivatives having plant growth regulating activities and applications thereof. 4,875,930, 10-24-89, Cl. 71-106.000.
Matsuzawa, Masafumi: *See—*
Motojima, Kenji; Miyazawa, Takeshige; Toyokawa, Yasufumi; Matsuzawa, Masafumi; Hokari, Hiroshi; and Kusano, Shoji, 4,866,201, Cl. 560-126.000.
Matsuzawa, Soichiro, to NGK Insulators, Ltd. Composite magnetic head core. 4,839,763, 6-13-89, Cl. 360-126.000.
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- Maureau, Claude: *See—*
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- Maurel, Christian: *See—*
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  - Welch, Glenn S.; Fidrych, Stephen; Romm, Michael; and Maurer, Bernie J., 4,875,880, Cl. 439-536.000.
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  - Johnson, Michael T. V.; and Maurer, Donald D., 4,881,526, Cl. 128-24.500.
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  - Maurer, William C.; and McDonald, William J., 4,828,053, Cl. 175-75.000.
- Maurer, Franz: *See—*
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- Maurer, Fritz, to Bayer Aktiengesellschaft. Preparation of 6-hydroxy-3-pyridinecarboxylic acid esters. 4,849,519, 7-18-89, Cl. 546-298.000.
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- Maurer, Gerd: *See—*
  - Richter Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, 4,835,909, Cl. 51-281.0SF.
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- Maurer, Roland: *See—*
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- Maurer, Ruprecht; and Timtner, Karlheinz, to Ringspann Albrecht Maurer KG. Automatic overload clutch structure. 4,798,559, 1-17-89, Cl. 464-38.000.
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  - Grottrup, Helmut; and Maurer, Thomas, 4,841,128, Cl. 235-491.000.
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  - Vega-Noverola, Armando; Prieto Soto, Jose M.; Noguera, Fernando P.; Mauri, Jacinto M.; and Spickett, Robert G. W., 4,877,780, Cl. 514-161.000.
- Mauri, Ross A.: *See—*
  - Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Swallow, Mark E.; and Coltin, Janis L., 4,833,594, Cl. 364-200.000.
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  - Coupard, Donald N.; Chang, Andrew K.; Fuller, John E.; and Mauriello, Angelo, 4,823,523, Cl. 52-173.00R.
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- Maurin, Joel: *See—*
  - Crosnier, Jean-Jacques; de Mendez, Michel; and Maurin, Joel, 4,815,811, Cl. 350-96.200.
- Maurin, Olivier: *See—*
  - Collet, Andre; Gourrier, Serge; and Maurin, Olivier, 4,816,377, Cl. 430-296.000.
- Maurinus, Martin A.: *See—*
  - Schmidt, John D.; and Maurinus, Martin A., 4,843,036, Cl. 437-224.000.
- Mauritz, Karl H.; Leger, Geary L.; Wicklund, Joseph B.; Herrud, James E.; and Laney, Steven H., to Micron Technology, Inc. Switched memory module. 4,882,700, 11-21-89, Cl. 365-51.000.
- Maurizi, Ennio S.; and Loizou, Joannis A., to Maurizi & Loizou Inc. Shaving device. 4,841,635, 6-27-89, Cl. 30-41.000.
- Maurizi & Loizou Inc.: *See—*
  - Maurizi, Ennio S.; and Loizou, Joannis A., 4,841,635, Cl. 30-41.000.
- Mauro, Alex: *See—*
  - Stern, Howard; Mauro, Alex; Maali, Fereydoun; and Holesky Frank, 4,845,639, Cl. 364-513.000.
- Mauro, Gerald D. Wood clad windows. 4,837,977, 6-13-89, Cl. 49-501.000.
- Maury, Alvaro: *See—*
  - Kim, Sea-Chung; Maury, Alvaro; and Stinebaugh, William H., Jr. 4,814,291, Cl. 437-101.000.
- Maury, Eufredo G.: *See—*
  - Walsh, Martin J.; and Maury, Eufredo G., 4,820,469, Cl. 264-506.000.

- Maus, Otfrid, to Schenck-Auto-Service-Gerate GmbH. Method and apparatus for measurement of caster, king-pin-inclination, and camber on motor vehicles. 4,858,331, 8-22-89, Cl. 33-203.180.
- Maus, Steven M.; and Galic, George J., to Galic/Maus Ventures. Method for injection molding articles. 4,828,769, 5-9-89, Cl. 264-1.300.
- Maus, Wolfgang; Kottmann, Rolf; Cyron, Theodor; and Wieres, Ludwig, to Interatom GmbH. Catalyst carrier body and method and apparatus for brazing the same. 4,824,011, 4-25-89, Cl. 228-173.700.
- Maus, Wolfgang: *See—*
  - Cyron, Theodor; and Maus, Wolfgang, 4,795,615, Cl. 422-179.000.
- Mause, Elmar: *See—*
  - Haas, Roland; Mause, Elmar; Bucheimaier, Hans-Joachim; and Brandenstein, Manfred, 4,865,469, Cl. 384-478.000.
- Mauser, Bernadette E.: *See—*
  - Mahjour, Majid; Mauser, Bernadette E.; and Fawzi, Mahdi B., 4,879,297, Cl. 514-282.000.
- Mauser, Heinz: *See—*
  - Thiele, Hartmut; and Mauser, Heinz, 4,883,175, Cl. 206-387.000.
- Mauser-Werke GmbH: *See—*
  - Przytulla, Dietmar, 4,842,802, Cl. 264-530.000.
- Mauser-Werke Oberndorf GmbH: *See—*
  - Band, Gerhard; and Broghammer, Heinz, 4,889,519, Cl. 474-101.000.
  - Bertiller, Roland, 4,796,535, Cl. 102-446.000.
  - Bertiller, Roland; Maier, Roland; and Weisser, Harald, 4,872,390, Cl. 89-29.000.
  - Bilger, Gerhard; Mader, Helmut; and Matzagg, Erich, 4,876,939, Cl. 89-33.040.
  - Bilger, Gerhard; Mader, Helmut; and Matzagg, Erich, 4,876,943, Cl. 89-141.000.
  - Gotz, Udo; Hoffmann, Dietrich; Fleig, Anita; and Armbruster, Adolf, 4,833,995, Cl. 102-521.000.
  - Hupp, Gerhard; and Mader, Helmut, 4,815,356, Cl. 89-190.000.
  - Reuter, Ingolf; Hoffmann, Dietrich; and Weisser, Harald, 4,882,974, Cl. 89-41.160.
- Maushund, Ernie: *See—*
  - Joyner, Jack S.; and Maushund, Ernie, 4,865,207, Cl. 215-11.500.
- Maust, Blair A.: *See—*
  - Livesay, Richard E.; Purcell, Robert J.; and Maust, Blair A., 4,819,999, Cl. 305-11.000.
- Maust Enterprises, Inc.: *See—*
  - Maust, Gale E., deceased, 4,800,902, Cl. 130-27.00R.
- Maust, Gale E., deceased (by Maust, Sharon S., personal representative), to Maust Enterprises, Inc. Seed-crop harvesting machine and method for converting a seed-crop harvesting machine into one which can be used for harvesting fragile seed-crops. 4,800,902, 1-31-89, Cl. 130-27.00R.
- Maust, Sharon S., personal representative: *See—*
  - Maust, Gale E., deceased, 4,800,902, Cl. 130-27.00R.
- Mauthe, Peter; Grundmann, Gabriele; and Moench, Monika, to Hilti Aktiengesellschaft. Container arrangement for cartridge dispensing two-component mass. 4,858,759, 8-22-89, Cl. 206-221.000.
- Mauthe, Peter: *See—*
  - Bisping, Heinz; Leibhard, Erich; and Mauthe, Peter, 4,840,524, Cl. 411-82.000.
- Mauve, Hans-Werner: *See—*
  - Wicker, Helmut; Hegewaldt, Fritz; and Mauve, Hans-Werner, 4,810,843, Cl. 219-10.430.
- Mauz, Gerhard: *See—*
  - Gerstle, Volker; and Mauz, Gerhard, 4,889,781, Cl. 430-25.000.
- Mauz, Otto, to Hoechst Aktiengesellschaft. Preparation of polymer based on polyvinylene carbonate and/or polyhydroxymethylene. 4,839,439, 6-13-89, Cl. 526-203.000.
- Mavi S.r.l.: *See—*
  - Morganti, Pier F., 4,806,525, Cl. 514-21.000.
- Mavilor Systemes S.A.: *See—*
  - Tassinario, Giampiero, 4,837,921, Cl. 29-596.000.
  - Tassinario, Giampiero, 4,879,485, Cl. 310-156.000.
- Mavinkurve, Pramod: *See—*
  - Chapuis, Richard B.; and Mavinkurve, Pramod, 4,820,295, Cl. 604-385.100.
- Mavljutov, Midkhat R.: *See—*
  - Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.
- Mavretish, Robert S.: *See—*
  - Bauer, Frank I.; Mavretish, Robert S.; Shogan, Regis P.; and Sejvar, James, 4,876,593, Cl. 358-100.000.
- Mavroudis, Eugene G.: *See—*
  - Goldberg, Ronald N.; Mavroudis, Eugene G.; and Ferguson, Susan H., 4,886,387, Cl. 401-122.000.
- Mavunkel, Babu J.: *See—*
  - Rzeszotarski, Waclaw J.; and Mavunkel, Babu J., 4,889,860, Cl. 514-282.000.
- Mawatari, Akinori, to Teac Corporation. Helical scan type magnetic recording and reproducing apparatus for recording and reproducing digital signal. 4,796,105, 1-3-89, Cl. 360-14.100.
- Mawatari, Masaaki; Itoh, Tetsuo; Tsuchikawa, Syuji; and Kimura, Shinichi, to Japan Synthetic Rubber Co., Ltd. Thermoplastic resin composition comprising a polyphenylene ether and a polyamide. 4,839,425, 6-13-89, Cl. 525-92.000.
- Mawatari, Yasushi: *See—*
  - Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.
- Mawby, Gary: *See—*
  - Mawby, Richard J., 4,844,244, Cl. 206-88.000.
- Mawby, Richard J., to Mawby, Gary. Cigarette case with auto ignition. 4,844,244, 7-4-89, Cl. 206-88.000.
- Mawby, Terry P., to Interconnect Devices, Inc. Gas impervious crimp connection. 4,846,739, 7-11-89, Cl. 439-877.000.
- Mawet, Patrick H.: *See—*
  - Atherton, Kim W.; Clow, Charles R.; and Mawet, Patrick H., 4,806.847, Cl. 324-61.00P.
- Mawhirt, James A.; Cantatore, Luigi; DiFlora, Joseph E.; McCandless, William J. C.; and Trieb, Marvin, to Technicon Instruments Corporation. Automatic sampling system. 4,861,553, 8-29-89, Cl. 422-65.000.
- Mawhirt, James A.: *See—*
  - Sarath, Alan; and Mawhirt, James A., 4,798,582, Cl. 604-47.000.
- Mawla, Khalid A., to International Business Machines Corporation. Dual flux path voice coil motor. 4,882,508, 11-21-89, Cl. 310-13.000.
- Mawst, Luke J.: *See—*
  - Botez, Dan; and Mawst, Luke J., 4,860,298, Cl. 372-45.000.
  - Botez, Dan; and Mawst, Luke J., 4,866,724, Cl. 372-50.000.
- Max Co., Ltd.: *See—*
  - Yamaguchi, Morio, 4,884,906, Cl. 400-162.300.
- Max Grun Dig Holland Stiftung & Co. KG: *See—*
  - Hegendorfer, Max, 4,823,385, Cl. 380-10.000.
- Max Kammerer GmbH: *See—*
  - Takke, Wilhelm, 4,815,883, Cl. 403-24.000.
- Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V.: *See—*
  - Asmussen, Frithjof; Schiller, Thomas; and Weigmann, Uwe, 4,870,265, Cl. 250-211.00R.
  - Berwing, Klaus; and Schlepper, Martin, 4,832,941, Cl. 424-9.000.
  - Craubner, Hans, 4,813,283, Cl. 73-436.000.
  - Eckstein, Fritz; Hunsmann, Gerhard; and Hartmann, Heinz, 4,880,782, Cl. 514-45.000.
  - Eibl, Hansjorg, 4,804,789, Cl. 568-853.000.
  - Eibl, Hansjorg, 4,837,023, Cl. 424-439.000.
  - Eibl, Hansjorg, 4,837,340, Cl. 549-221.000.
  - Ernsting, Nikolaus, 4,807,237, Cl. 372-53.000.
  - Frahm, Jens; Hanicke, Wolfgang; and Merboldt, Klausdietmar, 4,808,928, Cl. 324-309.000.
  - Kettenring, Gunther, 4,874,138, Cl. 242-54.00R.
  - Liebl, Helmut, 4,843,239, Cl. 250-296.000.
  - Opitz, Norbert; and Lubbers, Dietrich W., 4,889,690, Cl. 422-73.000.
  - Schneider, Frank, 4,847,523, Cl. 307-490.000.
  - Schubert, Erdmann; Ploog, Klaus; Fischer, Albrecht; and Horikoshi, Yoshiji, 4,882,609, Cl. 357-22.000.
  - Szatmari, Sandor; and Schaefer, Fritz P., 4,866,730, Cl. 372-101.000.
  - Timpl, Rupert; and Brocks, Dietrich, 4,798,800, Cl. 435-273.000.
- Max-Planck-Gesellschaft Zur Forderung der Wissenchaften E.V.: *See—*
  - Meier, Gerd; and Laake, Andreas, 4,811,815, Cl. 181-120.000.
- Max Rice Corporation, The: *See—*
  - Rice, Max, 4,836,538, Cl. 272-146.000.
- Max, Robert C.: *See—*
  - Pham, Hoa; and Max, Robert C., 4,885,436, Cl. 200-50.00A.
- Max Spaleck GmbH & Co. KG: *See—*
  - Ditscherlein, Friedhold, 4,850,151, Cl. 51-163.200.
- Max Widenmann Armaturenfabrik: *See—*
  - Ambrosi, Martin J., 4,850,567, Cl. 251-81.000.
- Maxa, Vladimir: *See—*
  - Gaebel, Heinz-Ulrich; Kirchner, Heinrich; Maxa, Vladimir; and Winter, Udo, 4,795,951, Cl. 318-293.000.
- Maxak, Vladislav I.: *See—*
  - Barinov, Alexei P.; Bazin, Viktor A.; Maxak, Vladislav I.; and Rakityansky, Vasily N., 4,862,720, Cl. 72-144.000.
- Maxaxam Corporation: *See—*
  - Boyko, James G., 4,813,292, Cl. 74-89.200.
  - Boyko, James G.; and Brackett, George E., 4,833,934, Cl. 74-425.000.
- Maxcom Electronics, Inc.: *See—*
  - Vickers, Michael W.; and Stubbs, David W., 4,802,241, Cl. 455-344.000.
- Maxconn, Inc.: *See—*
  - Erk, Kaya, 4,818,239, Cl. 439-55.000.
  - Erk, Kaya, 4,857,017, Cl. 439-695.000.
  - Maxwell, Jack A., 4,878,856, Cl. 439-540.000.
- Maxeiner, Heinz; Kruske, Gerhard; and Reimann, Hartwig, to Metallgesellschaft Aktiengesellschaft; and Bode Panzer Aktiengesellschaft. Safety structure. 4,859,541, 8-22-89, Cl. 428-545.000.
- Maxemchuk, Nicholas F., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Mesh-based switching network. 4,797,882, 1-10-89, Cl. 370-94.000.
- Maxey, Jay A.: *See—*
  - Ovens, Kevin M.; Maxey, Jay A.; and Greenberg, Craig B., 4,800,296, Cl. 307-291.000.
- Maxey, Mary A. Child's learning calendar. 4,863,386, 9-5-89, Cl. 434-304.000.
- Maxfield, MacRae; Jow, Taiguang R.; and Shacklette, Lawrence W., to Allied-Signal Inc. Elastomeric binders for battery electrodes. 4,814,242, 3-21-89, Cl. 429-217.000.
- Maxfield, MacRae; Baughman, Ray H.; Iqbal, Zafar; and Eckhardt, Helmut, to Allied-Signal Inc. Method of forming superconducting ceramics by electrodeposition. 4,870,051, 9-26-89, Cl. 505-1.000.

Maxfield, MacRae; Baughman, Ray H.; Igbal, Zafar; and Eckhardt, Helmut, to Allied-Signal Inc. Method of forming superconducting ceramics by electrodeposition. 4,879,270, 11-7-89, Cl. 505-1.000.

Maxfield, Michelle D.: *See—*

D'Amelio, Frank D.; DeLemos, Dawn M.; Esposito, Dominick G.; Maxfield, Michelle D.; Petruzzi, Claude E.; and Quint, Robert H., 4,823,791, Cl. 123-303.140.

Maxim Integrated Products: *See—*

Bingham, David; and Allen, Charles M., 4,809,152, Cl. 363-61.000.

Bingham, David, 4,812,891, Cl. 357-35.000.

Bingham, David, 4,819,147, Cl. 363-127.000.

Boyacigiller, Ziya G., 4,797,569, Cl. 307-297.000.

Fuller, Roger W.; and Bingham, David, 4,797,899, Cl. 375-7.000.

Fuller, Roger W.; and Bingham, David, 4,847,522, Cl. 307-473.000.

Hague, Yusuf A., 4,857,778, Cl. 307-521.000.

Haque, Yusuf A., 4,801,888, Cl. 330-9.000.

Schaffer, Gregory L., 4,806,875, Cl. 330-9.000.

Schaffer, Gregory L., 4,859,963, Cl. 330-253.000.

Maxim, Norman F.: *See—*

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Maxim, Peter E.; and Veltri, Robert W., to American Biotechnology Company. Method of treating inflammation in mammals utilizing ketobutyrolactones and furylbutyrolactones. 4,883,813, 11-28-89, Cl. 514-470.000.

Maximenko, Alexei N.: *See—*

Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Gobralev, Nikolai N., 4,827,455, Cl. 366-292.000.

Maximov, Leonid V.: *See—*

Khutoretsky, Garri M.; Fridman, Vladimir M.; Zagorodnaya, Galina A.; Maximov, Leonid V.; and Tjurin, Jury G., 4,820,945, Cl. 310-52.000.

Maxon, Bartley D., to McIntyre Chemical Company. Dimethicone copolyol sulfosuccinates. 4,849,127, 7-18-89, Cl. 252-174.150.

Maxon Corporation: *See—*

Coppin, William, 4,869,665, Cl. 431-351.000.

Maxon Industries, Inc.: *See—*

Neagu, Alexandru, 4,836,736, Cl. 414-557.000.

Stier, Herbert A., 4,806,062, Cl. 414-545.000.

Maxs AG: *See—*

Greutert, Albert; and Gasser, Ruedi, 4,872,266, Cl. 30-346.510.

Maxson, Myron T., to Dow Corning Corporation. High consistency organosiloxane elastomer compositions curable by a platinum-catalyzed hydrosilation reaction. 4,857,564, 8-15-89, Cl. 523-212.000.

Maxson, Myron T., to Dow Corning Corporation. High strength fluorosilicone sealants. 4,882,369, 11-21-89, Cl. 523-213.000.

Maxson, Myron T.: *See—*

Elias, Janet L.; Lee, Chi-Long; and Maxson, Myron T., 4,882,368, Cl. 523-213.000.

Maxson, Richard N.: *See—*

Rugaber, David A.; and Maxson, Richard N., 4,801,319, Cl. 65-29.000.

Maxson, Scott A.; and Sonneborn, John H., to Tektronix, Inc. Post-deflection acceleration and scan expansion electron lens system. 4,808,879, 2-28-89, Cl. 313-421.000.

Maxtor: *See—*

Perry, Donald S., 4,851,943, Cl. 360-105.000.

Wright, Harold T., 4,805,055, Cl. 360-106.000.

Maxtor Corporation: *See—*

Ksu, Sunny K., 4,816,665, Cl. 250-201.000.

Wright, Harold T., 4,814,652, Cl. 360-98.070.

Wright, Harold T., 4,829,657, Cl. 29-596.000.

Maxwell, Douglas C., Jr.; and Whitney, Walter D., deceased (by Maxwell, Douglas C., Jr., executor), to Whitney Equipment Sales, Inc. Automotive frame straightening apparatus and method. 4,823,589, 4-25-89, Cl. 72-457.000.

Maxwell, Douglas C., Jr., executor: *See—*

Maxwell, Douglas C., Jr.; and Whitney, Walter D., deceased, 4,823,589, Cl. 72-457.000.

Maxwell Electronics Limited: *See—*

Bittner, Wilfried A. A., 4,838,117, Cl. 74-665.00C.

Maxwell, G. Maret; and Webber, Richard L., to United States of America, Health and Human Services. Method and device for determining viability of intact teeth. 4,836,206, 6-6-89, Cl. 128-633.000.

Maxwell, George R.: *See—*

Boland, Anthony C.; and Maxwell, George R., 4,846,531, Cl. 300-21.000.

Maxwell, Georges A.; and Jasperson, Stephen, to Corona Clipper Company. Agricultural shears with lancet blade. 4,809,433, 3-7-89, Cl. 30-254.000.

Maxwell, Holly; and Petersen, Warren D., to General Mills, Inc. Bag utilizing a microwave susceptor pad and non-heated flap. 4,864,090, 9-5-89, Cl. 219-10.55E.

Maxwell, Holly A.; and Esse, Robert L., to General Mills, Inc. Dual compartment food package. 4,851,246, 7-25-89, Cl. 426-107.000.

Maxwell, Ian, to Imax Systems Corporation. Film transport apparatus. 4,835,555, 5-30-89, Cl. 352-194.000.

Maxwell, Ian: *See—*

East, John; and Maxwell, Ian, 4,794,777, Cl. 73-262.000.

Maxwell, Ian E.; and Minderhoud, Johannes K., to Shell Oil Company. Process for the conversion of a hydrocarbonaceous feedstock. 4,886,934, 12-12-89, Cl. 585-660.000.

Maxwell, Ian E.: *See—*

Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,170, Cl. 208-111.000.

Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,171, C 208-111.000.

Maxwell, Jack A., to Maxconn Incorporated. Bracketed stacking multi-pin connectors. 4,878,856, 11-7-89, Cl. 439-540.000.

Maxwell Laboratories, Inc.: *See—*

Asmus, John; and Boyer, Keith, 4,867,796, Cl. 131-1.000.

Dunn, Joseph E.; and Pearlman, Jay S., 4,838,154, Cl. 99-451.00

Dunn, Joseph E.; Clark, R. Wayne; Asmus, John F.; Pearlman, Ja S.; Boyer, Keith; Painchaud, Fraincois; and Hofmann, Gu A., 4,871,559, Cl. 426-248.000.

Katz, Ira; and Cooper, James R., 4,835,341, Cl. 174-142.000.

Reynolds, Stan L.; and Picker, James E., 4,828,712, Cl. 210-688.00

Riordan, John C.; and Pearlman, Jay S., 4,837,794, Cl. 378-119.00

Maxwell, Leon R.: *See—*

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Maxwell, Linden G.: *See—*

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Maxwell, Marvin S.: *See—*

Carr, James L.; and Maxwell, Marvin S., 4,845,502, Cl. 342-430.00

Maxwell, Peter W., to Geosource, Inc. Geophone implanting a positioning apparatus. 4,838,379, 6-13-89, Cl. 181-122.000.

Maxwell, Ray F.; and White, Robert D. Data transmission syste 4,882,765, 11-21-89, Cl. 455-18.000.

Maxwell, Richard P., Jr.: *See—*

Haba, Anthony R., Jr.; Clough, S. Craig; Koeske, Ronald E.; a Maxwell, Richard P., Jr., 4,815,190, Cl. 29-430.000.

Maxwell, Ronald K., to Pathway Bellows, Inc. Diverter valve wi bellows seal. 4,821,771, 4-18-89, Cl. 137-625.440.

Maxwell, Ronald M.; and Carlson, Arthur W. Bilevel student activ table. 4,825,780, 5-2-89, Cl. 108-144.000.

Maxwell, Thomas P., to Minnesota Mining and Manufacturing C Intravascular blood parameter measurement system. 4,830,0 5-16-89, Cl. 128-637.000.

Maxwell, William B.: *See—*

Mancuso, James F.; Maxwell, William B.; and Danilatos, Geo mos D., 4,880,976, Cl. 250-310.000.

May, Alexander: *See—*

Rice, David A.; and May, Alexander, 4,824,656, Cl. 423-578.00A

May, Artur: *See—*

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May & Baker Limited: *See—*

Chatterjee, Devnandan; Harris, Neil V.; Parker, Trevor; Smit Christopher; and Warren, Peter J., 4,866,172, Cl. 540-456.00

Gough, Stanley T. D., 4,810,698, Cl. 514-141.000.

Hatton, Leslie R., 4,871,748, Cl. 514-317.000.

Hewett, Richard H.; and Luscombe, Brian M., 4,875,925, C 71-94.000.

May, Barry A.; and Armstrong, James, to Tennant Trend Inc. Cen feed dispenser for cleaning solution. 4,881,288, 11-21-89, C 15-98.000.

May, Barry A.: *See—*

Sitarski, Gerald P.; and May, Barry A., 4,805,258, Cl. 15-385.00

May, Christopher J.: *See—*

Habeeb, Jacob J.; and May, Christopher J., 4,867,892, C 252-42.700.

May, David C., to Minnesota Mining and Manufacturing Compa Retroreflective pavement marker. 4,875,798, 10-24-89, Cl. 404-12.00

May, Dennis J.: *See—*

Evans, Alfred J.; Chen, Grant K.; May, Dennis J.; and Brian Edward P., 4,821,485, Cl. 53-138.00A.

May, Dieter: *See—*

Fend, Fritz M.; and May, Dieter, 4,817,308, Cl. 38-1.00B.

May, Donald M. Tamper-proof electrical receptacle. 4,820,187, 4-11- Cl. 439-359.000.

May, Donald M., to May Engineering Company. Telephone ja lock-out plug. 4,862,500, 8-29-89, Cl. 79-445.000.

May, Donald R., to Atlas System, Inc. Method and apparatus for lifti and supporting slabs. 4,800,700, 1-31-89, Cl. 52-742.000.

May, Donald R., to May, Sandra L. Apparatus for lifting structu 4,854,782, 8-8-89, Cl. 405-230.000.

May Engineering Company: *See—*

May, Donald M., 4,862,500, Cl. 379-445.000.

May, Ewald: *See—*

Rauert, Max-Otto; Sporenberg, Heinrich; Doench, Jurgen; May, Ewald, 4,830,152, Cl. 188-322.150.

May Fabricating Co., Inc.: *See—*

May, Robert A., 4,821,902, Cl. 220-1.00T.

May, Franz: *See—*

Kummerfeldt, Georg; May, Franz; and Wolf, Winfrid, 4,816, Cl. 358-136.000.

May, Geoffrey B.; Davis, Brian F.; and Nowak, Wladyslaw L., Payne Packaging Limited. Tapes. 4,844,962, 7-4-89, Cl. 428-43.00

May, Heinz, to Leybold Aktiengesellschaft. Sterilizing device fo freeze-drying apparatus. 4,881,326, 11-21-89, Cl. 34-92.000.

May, James G.: *See—*

Brock, J. Don; and May, James G., 4,867,572, Cl. 366-25.00

May, Jerome E., to Xerox Corporation. Tri-level highlight color p ing apparatus with cycle-up and cycle-down control. 4,811, 3-7-89, Cl. 355-4.000.

May, Jerome E.: *See—*

Parker, Delmer G.; May, Jerome E.; and Allen, William M., 4,847,655, Cl. 355-210.000.

May, Joe T.; and Casacia, Edward A., to Electronic Instrumentation and Technology, Inc. Measurement of the thickness of thin films. 4,841,156, 6-20-89, Cl. 250-461.100.

May, John W.: *See—*

Santilli, Domenic; and May, John W., 4,865,937, Cl. 430-137.000.

Young, Ralph H.; and May, John W., 4,877,699, Cl. 430-54.000.

May, Joseph N.; Rhinehart, Stephen A.; and Zambelli, Robert G., to Xerox Corporation. Very high speed duplicator with finishing function. 4,871,158, 10-3-89, Cl. 270-53.000.

May, Lance, to May, Lance. Method and arrangement for validating coupons. 4,839,507, 6-13-89, Cl. 235-381.000.

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May, Lindy L., to Custom Metalcraft, Inc. Sanitary hanger bearing assembly. 4,815,585, 3-28-89, Cl. 198-672.000.

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Hancock, Mark W.; and May, Marvin M., 4,850,269, Cl. 99-323.100.

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May, Michael D.; and Chesney, Henry M., to INMOS Limited. Communication interface. 4,811,277, 3-7-89, Cl. 370-94.000.

May, Michael D., to Inmos Limited. Microcomputer. 4,819,151, 4-4-89, Cl. 364-200.000.

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May, Oscar W., to Buckman Laboratories International, Inc. Method for the deactivation and neutralization of polyolefin catalysts. 4,801,683, 1-31-89, Cl. 528-485.000.

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May, Ralph D., to Pfizer Inc. Oxygen removal with carbon catalyzed erythorbate or ascorbate 4,851,130, 7-25-89, Cl. 210-750.000.

May, Richard L.; and Curran, Kenneth J., to Cal R&D. Inc. Magnetic tape transport system. 4,836,465, 6-6-89, Cl. 242-192.000.

May, Robert A., to May Fabricating Co., Inc. Waste container. 4,821,902, 4-18-89, Cl. 220-1.00T.

May, Robin F., to Comalco Aluminum Limited. Aluminium alloys suitable for sacrificial anodes. 4,885,045, 12-5-89, Cl. 148-440.000.

May, Roger A.: *See—*

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May, Sandra L.: *See—*

May, Donald R., 4,854,782, Cl. 405-230.000.

May & Scofield, Inc.: *See—*

Kobylarz, Lawrence P., 4,821,593, Cl. 74-475.000.

May, Sherman C.: *See—*

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May, Teddy J., to Super Sagless Corp. Three-way incliner. 4,815,788, 3-28-89, Cl. 297-68.000.

May, William E.: *See—*

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Pardue, Von G.; May, William E.; and Green, Jerry M., 4,833,564, Cl. 361-93.000.

May, Wolfgang: *See—*

Heckmann, Johannes; and May, Wolfgang, 4,800,067, Cl. 422-86.000.

Maya, Jakob; and Lagushenko, Rodomir, to GTE Products Corporation. Low pressure arc discharge tube with reduced ballasting requirement. 4,816,719, 3-28-89, Cl. 313-610.000.

Maya, Jakob: *See—*

Lagushenko, Radomir; Maya, Jakob; and Pai, Robert Y., 4,825,125, Cl. 313-493.000.

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Maya, Leon, to United States of America, Energy. Carbonaceous film coating. 4,833,034, 5-23-89, Cl. 428-408.000.

Maya, Rachel. Portable sun shade. 4,823,822, 4-25-89, Cl. 135-87.000.

Mayama, Osamu; and Ishikawa, Yoshimi, to Mitsubishi Kinzoku Kabushiki Kaisha. Fe-based sintered alloy for valve seats for use in internal combustion engines. 4,836,848, 6-6-89, Cl. 75-231.000.

Mayama, Tatsushige; Ihata, Masanobu; and Yoshimoto, Yoshihiko, to Nippon Tenshashi Kabushiki Kaisha. Slider for a cutter knife. 4,794,693, 1-3-89, Cl. 30-162.000.

Mayama, Tatsushige, to Nippon Tenshashi Kabushiki Kaisha. Revolving grinding tool. 4,837,985, 6-13-89, Cl. 51-364.000

Maybank, John: *See—*

McAndless, John M.; Hancock, James R.; Barnett, Donald B.; Olm, Orville J.; Locke, Terry J. A.; and Maybank, John, 4,869,117, Cl. 73-864.340.

Mayberry, John L., to United States of America, Energy. Municipal waste processing apparatus. 4,867,866, 9-19-89, Cl. 209-30.000.

Maybroda, Adrianna M.: *See—*

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Maybruch, Joel: *See—*

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Maycock, Ian C.; Ball, Robert J., and Symonds, Denzil J. W., to Automotive Products PLC. Friction clutch for a vehicle. 4,858,741, 8-22-89, Cl. 192-98.000.

Maycock, Ian C.: *See—*

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Maycock, William E.; Nohr, Ronald S.; and MacDonald, J. Gavin, to Kimberly-Clark Corporation. Siloxane containing benzotriazolyl/tetraalkylpiperidyl substituent. 4,859,759, 8-22-89, Cl. 528-27.000.

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Chang, Mei; Wang, David N. K.; White, John M.; and Maydan, Dan, 4,854,263, Cl. 118-715.000.

Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.

Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.

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Maye, Robert. Modular display stand. 4,836,393, 6-6-89, Cl. 211-188.000.

Mayeaux, Donald P., to EG&G Chandler Engineering. Electrolytic cell and process for the operation of electrolytic cells, for moisture analyzers. 4,842,709, 6-27-89, Cl. 204-402.000.

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Mayer, Andreas, to BBC Brown Boveri AG. Free-running pressure wave supercharger. 4,838,234, 6-13-89, Cl. 123-559.200.

Mayer, Andreas, to ASEA Brown Boveri Ltd. Pressure wave charger. 4,859,153, 8-22-89, Cl. 417-64.000.

Mayer, Andreas: *See—*

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Mayer, Andrew S.: *See—*

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Mayer, Carl W.: *See—*

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Hilti, Bruno; and Mayer, Carl W., 4,847,441, Cl. 570-129.000.

Mayer, Christopher R.: *See—*

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Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., to Cardiac Pacemakers, Inc. Soluble covering for cardiac pacing electrode. 4,827,940, 5-9-89, Cl. 128-642.000.

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Mayer, Donald K., to Thermo King Corporation. Refrigerant drier. 4,811,571, 3-14-89, Cl. 62-474.000.

Mayer, Donald K., to Thermo King Corporation. Drive arrangement for compressor of a transport refrigeration unit. 4,846,327, 7-11-89, Cl. 192-84.00C.

Mayer, Edward F., to Ricoh Corporation; and Ricoh Company, Ltd. Thermally activated electrostatic charging method and system. 4,803,503, 2-7-89, Cl. 346-159.000.

Mayer, Erhard, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. System for ventilating the interior of a vehicle. 4,870,895, 10-3-89, Cl. 98-2.000.

Mayer, Ernst; Geheeb, Norbert; and Kohler, Uwe, to INA Walzlager Schaeffler KG. Device for the valve control gear of an internal combustion engine. 4,876,996, 10-31-89, Cl. 123-90.510.

Mayer, Ferdy. Wave propagation structures for eliminating voltage surges and absorbing transients. 4,841,259, 6-20-89, Cl. 333-17.200.

Mayer, Francis X.; Lewis, William E.; Matula, Joseph P.; and Staubs, David W., to Exxon Research and Engineering Company. Once-through coking with solids recycle. 4,834,864, 5-30-89, Cl. 208-50.000.

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Mayer, Hans-Dieter; and Hirrlinger, Klaus, to Richard Hirschmann Radiotechnisches Werk. Security alarm process and apparatus. 4,853,690, 8-1-89, Cl. 340-544.000.

Mayer, Hans-Dietrich; and Hirrlinger, Klaus, to Richard Hirschmann Radiotechnisches Werk. Current draw and power consumption display circuit. 4,806,854, 2-21-89, Cl. 324-96.000.

Mayer, Hartmut: *See—*

Mahncke, Juergen; Kuesters, Heinz-Peter; and Mayer, Hartmut, 4,862,986, Cl. 180-155.000.

- Mayer, Helmut: *See—*
  - Harald, Schneider; Mayer, Helmut; and Hafner, Hans W., 4,843,873, Cl. 73-147.000.
- Mayer, James R.; and Patterson, William N. Hydraulic Percussion tool. 4,828,048, 5-9-89, Cl. 173-134.000.
- Mayer, John M., to Corespan, Inc. Twin wall fiberglass tank and method of producing the same. 4,821,915, 4-18-89, Cl. 220-441.000.
- Mayer, John R. Slat wall advertising panel. 4,805,783, 2-21-89, Cl. 211-94.000.
- Mayer, Kurt; Richey, Volker; and Schneider, Hans-Peter, to Fried Krupp, GmbH. Device for early detection of breaks and marginal wear in the cutting edges of tools. 4,885,530, 12-5-89, Cl. 324-61.00R.
- Mayer, Lowell A. Animal feeder. 4,860,691, 8-29-89, Cl. 119-51.500.
- Mayer, Ludwig: *See—*
  - Urech, Rolf; and Mayer, Ludwig, 4,844,803, Cl. 210-225.000.
- Mayer, Matthew E., to Holland Equipment Limited. Soil aerating equipment. 4,840,232, 6-20-89, Cl. 172-21.000.
- Mayer, Norbert: *See—*
  - Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,236, Cl. 514-220.000.
- Mayer, Ralph: *See—*
  - Berkin, George; Heady, Richard F.; Clarke, Jeffrey; Raghavan, Asuri; Foran, Raymond; Mayer, Ralph; and Chlebda, Joseph, 4,823,394, Cl. 382-8.000.
- Mayer, Rene J. R.: *See—*
  - Parker, Graham A.; Mayer, Rene J. R.; Taylor, Ian G.; and Bailey, David G., 4,866,362, Cl. 318-368.100.
- Mayer, Richard J.: *See—*
  - Auer, Robert T.; and Mayer, Richard J., 4,856,197, Cl. 33-18.100.
  - Auer, Robert T.; and Mayer, Richard J., 4,869,513, Cl. 273-315.000.
- Mayer, Robert B. Recirculating sand filter. 4,818,384, 4-4-89, Cl. 210-86.000.
- Mayer, Robert B. Recirculating sand filter valve. 4,822,485, 4-18-89, Cl. 210-123.000.
- Mayer, Robert W.: *See—*
  - Boozer, James M.; and Mayer, Robert W., 4,845,682, Cl. 367-93.000.
- Mayer, Thomas J., to Forest Electric Company, The. Starting circuit for high intensity gaseous discharge lamps. 4,795,945, 1-3-89, Cl. 315-276.000.
- Mayer, Thomas J.: *See—*
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- Mayer, Todd. String lock for acoustical instruments. 4,840,103, 6-20-89, Cl. 84-297.00R.
- Mayer, Udo: *See—*
  - Dix, Johannes P.; Etzbach, Karl-Heinz; Mayer, Udo; and Sens, Ruediger, 4,880,769, Cl. 503-227.000.
  - Guentner, Andreas; Mayer, Udo; and Oberlinner, Andreas, 4,841,050, Cl. 544-150.000.
  - Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, 4,828,718, Cl. 210-763.000.
- Mayers, Joseph B.; Gjertsen, Robert K.; and Wilson, John F., to Westinghouse Electric Corp. Burnable absorber rod push out attachment joint. 4,820,475, 4-11-89, Cl. 376-327.000.
- Mayes, Paul E.; and Tanner, David R., to University Patents, Inc. Curved microstrip antennas. 4,823,145, 4-18-89, Cl. 343-895.000.
- Mayes, Ronald A.; and Golias, Tipton A., to Helena Laboratories Corporation. Container and non-removable cover. 4,799,597, 1-24-89, Cl. 215-250.000.
- Mayet, Jean C.: *See—*
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- Mayeux, Marcel; Lallier, Christian; and Musseau, Joel, to DITO - SAMA. Machine for cutting food products such as in particular vegetables. 4,821,616, 4-18-89, Cl. 83-355.000.
- Mayfield, Alfred B., to Johnson, Charles D., a part interest. Hydroplanetary power division system. 4,887,487, 12-19-89, Cl. 74-687.000.
- Mayfield, George G.: *See—*
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- Mayfield, John T., III, to Modular Engineering Corporation. Dispensers. 4,858,783, 8-22-89, Cl. 221-59.000.
- Mayfield, Ralph W., to Cincinnati Milacron Inc. Recirculating ball nut for power screw system. 4,864,883, 9-12-89, Cl. 74-424.80R.
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  - Nusbaum, David B.; and Mayfield, Robert L., 4,840,604, Cl. 464-176.000.
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- Mayhan, Kenneth G.; Romo, Bernice I.; Murtfeldt, Robert L.; and Bertrand, William J., to Baxter Travenol Laboratories, Inc. Assembly for inhibiting microbial growth in collected fluid. 4,863,445, 9-5-89, Cl. 604-317.000.
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- Mayhew, Eric; Ehrke, M. Jane; Mace, Kenneth; Szoka, Francis; and Olson, Fred C., to Liposome Technology, Inc. Liposome drug delivery method and composition. 4,873,088, 10-10-89, Cl. 424-450.000.
- Mayhew, John, to Alphabet, Inc. Throttling gasket insert for use wi knife gate valve. 4,798,365, 1-17-89, Cl. 251-205.000.
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- Mayle, Steven R. Lifting and carrying heavy loads. 4,854,804, 8-8-8 Cl. 414-469.000.
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- Mayline Company, Inc.: *See—*
  - Loggins, C. Jim, 4,821,424, Cl. 33-474.000.
- Maymar, Milan J.: *See—*
  - Ryan, Thomas W., III; Maymar, Milan J.; and Anderson, Orin M. 4,873,947, Cl. 123-78.00C.
- Maynard, Brian K.; and Bassuk, Nina L., to Cornell Research Founda tion, Inc. Banding techniques for plant propagation. 4,885,9 12-12-89, Cl. 47-58.000.
- Maynard, Buford: *See—*
  - Crossan, Jimmey; Maynard, Buford; and Tew, Dennis, 4,889,214 Cl. 192-17.00R.
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- Mayne, James K., to American Brush Corporation. Paint brush holde 4,874,087, 10-17-89, Cl. 206-362.400.
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- Mayo, Charles H., II: *See—*
  - Mathiesen, George E.; and Mayo, Charles H., II, 4,861,338, C 604-110.000.
- Mayo Foundation for Medical Education and Research: *See—*
  - Dousa, Thomas P., 4,806,532, Cl. 514-120.000.
  - Greenleaf, James F.; and Ylitalo, Juha T., 4,829,430, C 364-413.250.
  - Spelsberg, Thomas C., 4,806,464, Cl. 435-6.000.
- Mayo, James D.: *See—*
  - Duff, James M.; Drappel, Stephan; Mayo, James D.; and Cryn Richard G., 4,803,119, Cl. 428-321.300.
- Mayo, Noel: *See—*
  - Jacoby, Elliot; Yuhasz, Stephen J.; and Mayo, Noel, 4,825,075, C 250-342.000.
  - Jacoby, Elliot G., Jr.; Mayo, Noel; and Spira, Joel S., 4,833,277, C 174-66.000.
- Mayo, Richard: *See—*
  - Edwards, Evan A.; Greene, James T.; and Mayo, Richar 4,824,564, Cl. 210-232.000.
- Mayo, Steven A.: *See—*
  - Weinerman, Lee S.; Mayo, Steven A.; McLinden, Thomas V.; an Wentzell, Timothy H., 4,838,056, Cl. 70-208.000.
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- Mayol, Larry E.: *See—*
  - Elstein, Rick A.; Faret, Svein; and Mayol, Larry E., 4,834,375, C 273-26.00R.
- Mayoussier, Patrick: *See—*
  - Lauro, Fernand; Marvillet, Christophe; Mayoussier, Patric Amandjules, Michel; and Porcher, Jean-Michel, 4,850,427, C 165-134.100.
- Mayr, Albert; and Wiest, Wolfgang, to Hydromatik GmbH. Hydr static transmission having a control and regulating device for adju ing the driving torque with superimposed output power limit regu tion. 4,802,336, 2-7-89, Cl. 60-448.000.
- Mayr, Ernst, to Siemens Aktiengesellschaft. Method and apparatus fo the manufacture of filled optical transmission elements. 4,810,0 3-7-89, Cl. 264-1.500.
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  - Dotzer, Peter; Glaser, Heinz; Hahn, Reinhold; and Mayr, Er 4,887,423, Cl. 57-295.000.
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- Mayr, Karl-Heinz: *See—*
  - Schmidt, Martin; Mayr, Karl-Heinz; and Fobbe, Fritz, 4,841,617, Cl. 29-157.3AH.
- Mayr, Max: *See—*
  - Campbell, Gregor A.; Conn, Robert W.; Goebel, Dan M.; Adam, Rolf; Aichert, Hans; Betz, Hans; Dietrich, Anton; Dittmer, Gonde; Hartig, Klaus; Hass, Friedrich; Ludwig, Rainer; Mayr, Max; and Thelen, Alfred, 4,885,070, Cl. 204-192.110.
- Mayr, Maximilian: *See—*
  - Fink, Roland; Huber-Hesselberger, Josef; and Mayr, Maximilian, 4,801,648, Cl. 525-74.000.
- Mayr, Siegfried: *See—*
  - Jacopich, Werner; Winter, Kurt; and Mayr, Siegfried, 4,857,761, Cl. 307-350.000.
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- Mays, Joe A.: *See—*
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- Mays, Ralph C. Attachment for removably supporting a denture in the mouth of the user. 4,884,970, 12-5-89, Cl. 433-172.000.
- Mays, Richard P.: *See—*
  - Lo, Young S.; Shamblee, Dwight A.; Causey, David H.; and Mays, Richard P., 4,870,189, Cl. 548-954.000.
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- Maysteel Corporation: *See—*
  - Strege, Gary L.; Renno, Gerd W.; Nelson, Kirk A.; and Melink, Stephen K., 4,822,385, Cl. 55-248.000.
- Maytag Corporation: *See—*
  - Blair, Jeffrey L.; Decature, Paul S.; and Jackson, Charles L., 4,866,955, Cl. 68-12.00R.
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  - Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.
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  - Bouda, Keiji, 4,858,498, Cl. 74-866.000.
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  - Chado, Hiroyuki; Maeda, Tatsuo; and Nakano, Mitsusou, 4,875,733, Cl. 296-195.000.
  - Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.
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  - Fujii, Hiroshi, 4,799,581, Cl. 198-341.000.
  - Fujii, Yoshio, 4,822,096, Cl. 296-194.000.
  - Fujikawa, Satoshi; and Hiruta, Hideshi, 4,846,010, Cl. 74-337.500.
  - Fujioka, Toyohiko; and Takeshima, Hideki, 4,875,280, Cl. 29-783.000.
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  - Hanakawa, Katsunori; Okazaki, Ken; and Uosaki, Yasuo, 4,863,533, Cl. 148-141.000.
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  - Harasaki, Hayatsugu, 4,799,730, Cl. 296-195.000.
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  - Hiketa, Manabu, 4,817,753, Cl. 180-249.000.
  - Hiketa, Manabu, 4,875,978, Cl. 180-248.000.
  - Hirabayashi, Shigefumi; Nakajima, Toshio; and Kanazawa, Hirotaka, 4,840,243, Cl. 180-140.000.
  - Hiraoka, Tetsuo; Seike, Shinji; Hatamura, Kouichi; and Akizuki, Minoru, 4,803,961, Cl. 123-52.0MV.
  - Hitomi, Mitsuo; Hinatase, Fumio; and Umezono, Kazuaki, 4,813,232, Cl. 60-313.000.
  - Hitomi, Mitsuo; Okazaki, Katsumi; Sasaki, Junso; and Yuzuriha, Yasuhiro, 4,829,941, Cl. 123-52.0ML.
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  - Honda, Yasuo; Ohtsuka, Takenori; Sunada, Tomohiro; and Kawasako, Yasuhiro, 4,794,885, Cl. 123-52.00M.
  - Iguchi, Isamu; Ohshima, Hirofumi; Deguchi, Hiroaki; and Tsuchida, Tsuyoshi, 4,831,978, Cl. 123-195.00H.
  - Ihara, Kazunori; Ohishi, Hiromi; and Yatagai, Shoko, 4,888,320, Cl. 502-304.000.
  - Imai, Shoji; Nagaoka, Mitsuru; Matsuoka, Toshihiro; and Nobumoto, Kazutoshi, 4,834,045, Cl. 123-352.000.
  - Inoue, Hitoshi; Kondo, Toshiro; Takata, Naoto; and Edahiro, Takeshi, 4,819,959, Cl. 280-660.000.
  - Ioka, Tadashi, 4,819,550, Cl. 98-2.170.
  - Ishida, Kyoso; and Kodama, Shinya, 4,876,876, Cl. 72-348.000.
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  - Iwaki, Masato; Okamoto, Ikuo; Ushijima, Kenji; and Kinoshita, Hiroshi, 4,823,642, Cl. 74-860.000.
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  - Kameda, Osamu, 4,804,061, Cl. 180-247.000.
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  - Kamise, Katsuya; Yamamoto, Shigeru; Hosokai, Tetsushi; and Miyamoto, Koji, 4,856,481, Cl. 123-425.000.
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  - Kanai, Seita; Edahiro, Takeshi; Sato, Yoshihiro; and Oda, Masashi, 4,810,004, Cl. 280-690.000.
  - Kanazawa, Hirotaka; Kawasaki, Shunsuke; Furutani, Shigeki; and Miyoshi, Akihiko, 4,805,939, Cl. 280-91.000.
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Kanemaru, Yukihiro, 4,794,733, Cl. 49-348.000.

Kashihara, Teruo; and Shigenaka, Makoto, 4,844,326, Cl. 228-182.000.

Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, 4,831,710, Cl. 29-434.000.

Kawano, Hiroto, 4,819,606, Cl. 123-502.000.

Kawano, Tamenori; Nakazawa, Atsushi; Sumida, Kiyomi; and Nagano, Takasi, 4,848,212, Cl. 92-158.000.

Kido, Yoshinobu; and Yamada, Toshihiro, 4,853,673, Cl. 340-439.000.

Kijima, Takao; Ando, Fumitaka; and Koyama, Toshihide, 4,826,203, Cl. 280-690.000.

Kijima, Takao; and Edahiro, Takeshi, 4,874,185, Cl. 280-690.000.

Kimura, Nobuo, 4,812,090, Cl. 409-132.000.

Kishimoto, Minoru, 4,823,631, Cl. 74-339.000.

Kochi, Yasuhisa, 4,838,604, Cl. 296-180.500.

Komatsu, Nobuhiro, 4,826,234, Cl. 296-70.000.

Komiya, Katsuyuki, 4,798,397, Cl. 280-690.000.

Kondo, Toshiro, 4,807,901, Cl. 280-701.000.

Koyama, Toshihide, 4,875,705, Cl. 280-697.000.

Kurihara, Haruto; and Uchida, Koji, 4,887,344, Cl. 29-468.000.

Kurisu, Toru; and Kodama, Tuneo, 4,878,462, Cl. 123-90.170.

Kuwahara, Wataru; Shirai, Etsuo; Nagamatsu, Hiroaki; and Moriyama, Kazuhiko, 4,862,760, Cl. 74-473.00R.

Maekawa, Yoshihiro, 4,840,423, Cl. 296-194.000.

Masuda, Shunji; Uesugi, Tatsuya; and Oda, Hiroyuki, 4,794,893, Cl. 123-90.170.

Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Nakahama, Tadamitsu; and Yamane, Takakazu, 4,874,639, Cl. 427-240.000.

Matsumoto, Hiroyouki; Okamura, Kazumi; Nakayama, Hideo; and Okasako, Yasuhiro, 4,858,570, Cl. 123-52.0MV.

Matsushima, Eiji, 4,855,003, Cl. 156-358.000.

Miwa, Yoshihisa, 4,856,166, Cl. 29-159.200.

Mizuma, Takashi; and Nakao, Koji, 4,838,607, Cl. 296-219.000.

Mukai, Yoshiaki; Kanazawa, Hirotaka; Note, Koushun; and Nakashima, Yasuhiro, 4,834,406, Cl. 280-91.000.

Murai, Takeshi; and Sagawa, Norifumi, 4,804,035, Cl. 164-125.000.

Muramoto, Hisao, 4,817,754, Cl. 180-268.000.

Nagamatsu, Hiroaki; and Ebisumoto, Takashige, 4,796,489, Cl. 74-868.000.

Nagaoka, Mitsuru; and Matsuoka, Toshihiro, 4,825,367, Cl. 364-424.050.

Nakahama, Tadamitsu, 4,882,228, Cl. 428-421.000.

Nakai, Eiji, 4,886,022, Cl. 123-90.170.

Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, 4,807,581, Cl. 123-488.000.

Nishikawa, Toshihide; and Inoue, Takashi, 4,827,885, Cl. 123-339.000.

Nishimura, Hirofumi; and Kageyama, Akira, 4,805,563, Cl. 123-41.82A.

Nishino, Takayuki, 4,848,040, Cl. 51-287.000.

Nomura, Syosuke; Kajimoto, Shinshi; Okazaki, Susumu; and Yamamoto, Takeshi, 4,867,501, Cl. 296-146.000.

Oda, Kazuya; Matsuoka, Toshihiro; Onaka, Toru; and Nagaoka, Mitsuru, 4,862,854, Cl. 123-399.000.

Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, 4,848,280, Cl. 123-52.0MC.

Ohya, Takeji, 4,880,267, Cl. 296-56.000.

Okazaki, Ken; Satou, Kazuo; and Yamamoto, Junichi, 4,856,469, Cl. 123-90.510.

Okimoto, Haruo; and Tashima, Seiji, 4,875,454, Cl. 123-559.300.

Okuno, Itaru; Fujita, Nagahisa; and Kaneko, Tadashi, 4,833,612, Cl. 364-426.040.

Onaga, Kazuo; Tanaka, Katsuyuki; and Komatsu, Kazunari, 4,816,800, Cl. 338-34.000.

Sakamoto, Katsuhiko; Hatamura, Kouichi; and Okino, Yoshinori, 4,805,574, Cl. 123-421.000.

Sakamoto, Shunji; and Watanabe, Tuyosi, 4,827,598, Cl. 29-430.000.

Sakamoto, Shunji; Okamizu, Shigeo; Ota, Yuji; and Katsuki, Hisaaki, 4,880,072, Cl. 180-140.000.

Sakamoto, Toshinori; and Matsuura, Osamu, 4,807,925, Cl. 296-194.000.

Sakamoto, Toshinori; and Yamada, Kiyoshige, 4,834,448, Cl. 296-210.000.

Sakimori, Hideharu; Komatsu, Yoji; Ida, Daijiro; and Takahashi, Seiji, 4,845,821, Cl. 29-213.100.

Sakimori, Hideharu; Komatsu, Yoji; Ito, Masahiro; and Ohkuma, Nobuyoshi, 4,887,341, Cl. 29-156.40R.

Sakiyama, Noritaka; and Matsuura, Osamu, 4,804,222, Cl. 296-203.000.

Sasada, Takashi; and Okazaki, Syuzi, 4,848,293, Cl. 123-195.00C.

Satou, Kazuo; and Okazaki, Ken, 4,838,956, Cl. 148-3.000.

Sekimoto, Isao; Mihara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, 4,805,299, Cl. 29-796.000.

Seto, Noriyuki, 4,849,888, Cl. 364-424.100.

Shimoe, Hiroo; Kondo, Toshiro; and Kameshima, Tetsuya, 4,834,416, Cl. 280-688.000.

Shimokawa, Kiyofumi, 4,847,181, Cl. 430-297.000.

Shinmoto, Toshiharu, 4,856,361, Cl. 74-339.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Ina Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,8 Cl. 73-204.210.

Shiraishi, Noriaki; Kamiyama, Sigeru; Amioka, Shigenori; and Okada, Akiyoshi, 4,854,634, Cl. 296-108.000.

Sudo, Yoshinori, 4,854,849, Cl. 425-556.000.

Sueda, Yutaka, 4,875,892, Cl. 474-17.000.

Suemori, Tadao, 4,838,221, Cl. 123-195.00H.

Sumimoto, Takashi; Hirochika, Takashi; Imanishi, Hideki; and Kubo, Kazuo, 4,815,556, Cl. 180-311.000.

Suzumura, Koji; Fujiwara, Hunihiko; Matsuo, Naoya; and Miyamoto, Kouichi, 4,805,569, Cl. 123-308.000.

Takata, Naoto; Kanai, Seita; Araki, Nobuhiro; and Udo, Tada 4,815,755, Cl. 280-690.000.

Takatani, Teruhiko; Yamada, Muneharu; and Miyamoto, Tomo 4,852,897, Cl. 280-91.000.

Takeda, Youichi, 4,817,973, Cl. 280-781.000.

Takubo, Hiroichi; Isayama, Kazuo; and Yamashita, Syo 4,819,505, Cl. 74-603.000.

Tanaka, Hideki, 4,873,961, Cl. 123-564.000.

Tanaka, Takahiko; Hisanaga, Naogi; Yamamoto, Takeshi; Okaza Susumu; and Kajimoto, Shinshi, 4,852,205, Cl. 15-250.170.

Tasaka, Keisyo, 4,821,684, Cl. 123-52.0MV.

Terano, Takashi; Jinno, Masayuki; and Saijo, Munetoshi, 4,857,0 Cl. 340-461.000.

Tomita, Toshihiko, 4,824,173, Cl. 297-443.000.

Tomita, Toshihiko, 4,832,403, Cl. 297-330.000.

Tomoda, Atsuo; Kijima, Takao; Yamada, Muneharu; and Is Takaaki, 4,821,830, Cl. 180-140.000.

Tomosada, Kenji; Kondo, Toshiro; Yamamoto, Tadanobu; an Hashino, Hiroshi, 4,875,704, Cl. 280-695.000.

Uchida, Hiroyasu; and Ueda, Kazuhiko, 4,878,460, Cl. 123-52.0M

Uesugi, Tatsuya; and Nakai, Eiji, 4,854,273, Cl. 123-90.170.

Watanabe, Kenichi; Takehara, Shin; Shimoe, Hiroo; Miyo Akihiko; and Kamimura, Shoich, 4,830,397, Cl. 280-707.000.

Watanabe, Kenichi, 4,874,054, Cl. 180-140.000.

Yamaguchi, Hideo; and Fujiki, Tsutomu, 4,858,518, Cl. 98-2.0

Yamamoto, Koichi; and Baba, Fumiaki, 4,831,900, Cl. 74-869.0

Yamamoto, Nobuhiro; and Kurio, Noriyuki, 4,826,410, C 418-84.000.

Yamamoto, Tadanobu, 4,852,904, Cl. 280-701.000.

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Yamamoto, Takeshi, 4,874,199, Cl. 296-192.000.

Yashiki, Seiji; Hirano, Hiroshi; and Sasaki, Kazutomo, 4,88 Cl. 123-339.000.

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Fujii, Hiroshi, 4,875,955, Cl. 156-64.000.

Okamizu, Shigeo, 4,877,066, Cl. 141-96.000.

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Haber, Terry M.; Maze, Jack E.; and Crouse, Roger R., 4,83 Cl. 604-187.000.

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Mazzaroppi, Giuseppe, 4,806,133, Cl. 65-107.000.

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azziotti, Philip J., to Zeller Corporation, The. Versatile mounting for bearing cups of universal joints. 4,861,314, 8-29-89, Cl. 464-130.000.

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azziotto, Gerald: *See*—

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azzola, Guerino B.; and Eschbach, Walter. Installation for performing all affine transformations for musical composition purposes. ,833,962, 5-30-89, Cl. 84-1.010.

azzola, Louis R., to Lever Brothers Company. Process for making a eavy duty liquid detergent composition. 4,800,037, 1-24-89, Cl. 52-109.000.

zzone, Thomas J. Wrench with rack and segment gear linkage. ,797,965, 1-17-89, Cl. 81-126.000.

zzone, Thomas J. Wrench with rack and segment gear linkage. ,884,479, 12-5-89, Cl. 81-128.000.

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MB Group plc: *See*—

Ashbolt, Mark T., 4,843,930, Cl. 83-39.000.

De'Ath, Roderick M., 4,881,884, Cl. 425-117.000.

Hammond, John M.; and Reed, Leonard W., 4,830,205, Cl. 215-11.300.

Murphy, Thomas P., 4,828,662, Cl. 204-146.000.

Mbah, Godfrey C., to Dow Corning Corporation. Optically clear reinforced organosiloxane compositions. 4,882,398, 11-21-89, Cl. 525-478.000.

MBB GmbH: *See*—

Amlang, Klaus-Peter; Soller, Jochen; and Vogg, Guenter, 4,864,510, Cl. 364-478.000.

Gerdes, Erwin, 4,799,415, Cl. 83-177.000.

Koerner, Volkmar, 4,808,238, Cl. 134-38.000.

Stache, Ernst, 4,834,326, Cl. 244-213.000.

MIT Beschrankter Haftung: *See*—

Rudiger, Gunther; and Peters, Ulf, 4,887,611, Cl. 128-743.000.

McAdams, Richard L., to ITT Defense Communications, a division of ITT Corporation. Liquid crystal beam splitter. 4,822,141, 4-18-89, Cl 350-330.000.

McAdams, William C., to Storage Technology Corporation. Line printer ribbon reverse mechanism. 4,869,607, 9-26-89, Cl. 400-222.000.

McAdams, William J. Method for packaging firewood and the apparatus thereof. 4,879,861, 11-14-89, Cl. 53-435.000.

McAfee, David D., to Allied-Signal Inc. Constant-clearance brake piston system with braking pressure intensifier. 4,798,052, 1-17-89, Cl. 60-572.000.

McAfee, Thomas H., to Charmac, Inc. Wardrobe door. 4,799,529, 1-24-89, Cl. 160-206.000.

McAfee, Thomas H., to Charmac, Inc. Sliding door frame and carriage assembly. 4,850,145, 7-25-89, Cl. 49-501.000.

McAleer, William J.: *See*—

Hurni, William M.; Miller, William J.; and McAleer, William J., 4,861,706, Cl. 435-5.000.

McAlister, Donald R.: *See*—

Kennedy, Eugene D.; McAlister, Donald R.; and Tung, Albert E., 4,818,257, Cl. 55-97.000.

McAlister, Gary B., to Sherwood Medical Company. Method for applying a dried coating of biologicals to the interior of a container. 4,808,449, 2-28-89, Cl. 428-34.100.

McAlister, Steve R., to Goggans, Suzanne; Brown, Carolyn J.; Adkison, Gene Patrick; Stearns, Jane S.; Bishop, Matthew M.; and Roffman, Lucy Dean, part interest to each. Tire inflation indicator. 4,851,809, 7-25-89, Cl. 340-442.000.

McAlister, Steven A. Centrifugal concentrator. 4,824,431, 4-25-89, Cl. 494-43.000.

McAllister, Bruce E. Steering wheel platform. 4,805,867, 2-21-89, Cl. 248-441.100.

McAllister, George P., to JPI Plumbing Products, Inc. One-piece molded plastic shower and room divider. 4,862,527, 9-5-89, Cl. 4-612.000.

McAllister, Jerome W.; Pham, Lien-Huong T.; and Sowman, Harold G., to Minnesota Mining and Manufacturing Company. Ceramic articles containing silicon carbide. 4,800,180, 1-24-89, Cl. 501-88.000.

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McAllister, John M. Cane with extensible fingers. 4,811,750, 3-14-89, Cl. 135-66.000.

McAllister, John S.: *See*—

McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 4,821,364, Cl. 15-322.000.

McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 4,821,367, Cl. 15-353.000.

McAllister, Lawrence E.; and Jannasch, Norman E., to Allied-Signal Inc. Barrier coating and penetrant providing oxidation protection for carbon-carbon materials. 4,837,073, 6-6-89, Cl. 428-212.000.

McAllister, Matthew: *See*—

Janko, Michael; and McAllister, Matthew, 4,839,777, Cl. 362-108.000.

McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., to American Home Products Corporation. Fluid control valve. 4,821,364, 4-18-89, Cl. 15-322.000.

McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., to American Home Products Corporation. Recovery chamber for spray-type vacuum cleaning apparatus. 4,821,367, 4-18-89, Cl. 15-353.000.

McAlpin, James J.; and Chow, Wai Y., to Exxon Chemical Patents Inc. Compositions for preparing cement-adhesive reinforcing fibers. 4,861,812, 8-29-89, Cl. 524-3.000.

McAlpin, James J.: *See*—

Chow, Wai Y.; and McAlpin, James J., 4,801,630, Cl. 524-5.000.

McAlpin, James L.: *See*—

Petersen, Ronald O.; and McAlpin, James L., 4,804,885, Cl. 313-480.000.

McAlpine, Don J. Apparatus and method for clearing debris from cut trees. 4,872,565, 10-10-89, Cl. 209-699.000.

McAlpine, Gary, to Aptec Computer Systems, Inc. Data transfer system and method of operation thereof. 4,837,785, 6-6-89, Cl. 370-85.000.

McAlpine, Gary L., to Aptec Computer Systems, Inc. Interleaved memory addressing system and method using a parity signal. 4,800,535, 1-24-89, Cl. 365-230.000.

McAlpine, James B.: *See—*
  Katz, Leonard; Tuan, James; and McAlpine, James B., 4,874,748, Cl. 514-29.000.

McAlpine, Laura E.: *See—*
  Arai, Makoto R.; Gordon, David; and McAlpine, Laura E., 4,832,038, Cl. 128-670.000.

McAnalley, Bill H.; and Walker, Wiley F. Gas delivery apparatus protection device. 4,846,170, 7-11-89, Cl. 128-207.130.

McAnalley, Bill H., to Carrington Laboratories, Inc. Process for preparation of aloe products. 4,851,224, 7-25-89, Cl. 424-195.100.

McAnally, Marcus E.; and Gwaltney, Robert E., to Hennessy Industries, Inc. Pneumatic tire inflator. 4,872,492, 10-10-89, Cl. 141-38.000.

McAndless, John M.; Hancock, James R.; Barnett, Donald B.; Olm, Orville J.; Locke, Terry J. A.; and Maybank, John, to Canada, Her Majesty the Queen in Right of, as represented by the Minister of National Defence. "Polymer packed minitube vapor sampling system". 4,869,117, 9-26-89, Cl. 73-864.340.

McAndrew, William J. Ball or plug valve stem extension and lock mechanism. 4,817,663, 4-4-89, Cl. 137-385.000.

McAnelly, Jan A.; and Joiner, Joseph, to Continuous Graphics, Inc. Modular collating assembly. 4,842,260, 6-27-89, Cl. 270-52.000.

McAnelly, Michael: *See—*
  Fletcher, James E.; Jackson, Eric C.; and McAnelly, Michael, 4,813,115, Cl. 29-596.000.

McAninch, Michael D.: *See—*
  Doyle, Thomas E.; Edmonds, David P.; McAninch, Michael D.; and Ryan, Patrick M., 4,842,186, Cl. 228-222.000.

McAninch, Terry L., to Birko Corporation. Compositions for and methods of lubricating carcass conveyor. 4,828,727, 5-9-89, Cl. 252-11.000.

McAninch, Thomas W.: *See—*
  Morris, Don L.; Palmer, Billy W.; and McAninch, Thomas W., 4,855,515, Cl. 568-862.000.

McAnulty, Frederick J., III. Door lock protecting device. 4,858,454, 8-22-89, Cl. 70-455.000.

McArdle, Francis H.; Schneider, Earl; and DeRosa, Richard T., to Boeing Company, The. Helicopter rotor system and method. 4,795,310, 1-3-89, Cl. 416-134.00A.

McArdle, Francis H.; and Schneider, Earl, to Boeing Company, The. Method of fabricating a helicopter rotor system. 4,868,962, 9-26-89, Cl. 29-156.80R.

McArdle, James J. Park basketball net fixture. 4,805,903, 2-21-89, Cl. 273-1.50R.

McArthur, Hamish: *See—*
  Baker, Bruce G.; Clark, Neville J.; McArthur, Hamish; and Summerville, Edward, 4,827,075, Cl. 585-671.000.

McArthur, James; and Bentz, Herbert W., to Med-Ex Diagnostics of Canada Inc. Tilting mechanism for use with infant bassinette. 4,819,282, 4-11-89, Cl. 5-62.000.

McArthur, Patrick D. Versatile sports pack. 4,883,207, 11-28-89, Cl. 224-153.000.

McArthur, William; and Soukup, Thomas M. Non-reusable syringe. 4,874,372, 10-17-89, Cl. 604-110.000.

McAskie, William, to Balfour Manufacturing Company. Ruminant feedstuffs, their production and apparatus for use therein. 4,826,694, 5-2-89, Cl. 426-74.000.

McAskie, William, to Balfour Manufacturing Company. Ruminant feedstuffs, their production and apparatus for use therein. 4,853,233, 8-1-89, Cl. 426-74.000.

McAskill, John P.: *See—*
  Beeson, John M.; McAskill, John P.; and Burnham, James D., 4,864,881, Cl. 74-360.000.

McAteer, Colin H., to British Petroleum Company p.l.c., The. Syngas conversion catalyst. 4,826,800, 5-2-89, Cl. 502-303.000.

McAteer, John E., to Hauserman, Inc. Independently adjustable top and bottom hinge pin assemblies. 4,815,162, 3-28-89, Cl. 16-244.000.

McAulay, Alastair D., to Texas Instruments Incorporated. A plurality of optical crossbar switches and exchange switches for parallel processor computer. 4,811,210, 3-7-89, Cl. 364-200.000.

McAulay, Alastair D., to Wright State University. Optical analog to digital converter. 4,851,840, 7-25-89, Cl. 341-137.000.

McAulay, Robert J.; and Quatieri, Thomas F., Jr., to Massachusetts Institute of Technology. Processing of acoustic waveforms. 4,885,790, 12-5-89, Cl. 381-36.000.

McAulay, Robert J.: *See—*
  Quatieri, Thomas F., Jr.; and McAulay, Robert J., 4,856,068, Cl. 381-47.000.

McAuley, Kenneth A.: *See—*
  Fichter, June C.; LaBelle, Theodore J.; and McAuley, Kenneth A., 4,824,096, Cl. 271-277.000.

McAuliffe, Kevin P.: *See—*
  Anthony, John H.; Brantley, William C., Jr.; McAuliffe, Kevin P.; Norton, Vern A.; and Pfister, Gregory F., 4,885,680, Cl. 364-200.000.

McAuliffe, Lawrence, Jr., to Colt Industries, Inc. Idle air flow shutoff valve. 4,873,955, 10-17-89, Cl. 123-339.000.

McAuslan, Brian R., to Telectronics N.V. Implantable materials. 4,836,884, 6-6-89, Cl. 156-629.000.

McAvoy, Paul C., to Cummins Engine Company, Inc. Thermal fatigue resistant cylinder head. 4,844,030, 7-4-89, Cl. 123-193.00H.

McBain, Robert M.; Becze, Garry J.; Kruppert, Friedrich W.; a Leistner, Jack W., to Algoma Steel Corporation, Limited, The. P quenching apparatus. 4,803,037, 2-7-89, Cl. 266-78.000.

McBee, Steve H.: *See—*
  Deutsch, Timothy A.; Schreiner, Joel M.; and McBee, Steve 4,875,330, Cl. 56-41.000.

McBrady, William J. Bottle washer using a 360 degree arc and extende paddles to control the bottles' movement. 4,834,123, 5-30-89, C 134-134.000.

McBrady, William J.; and Avelis, Julian P., to McBrady, William Bottle duster. 4,854,441, 8-8-89, Cl. 198-384.000.

McBrayer, Robert L., to BASF Corporation. High resiliency mold foam consisting of the reaction product of a polyisocyanate, a po oxyalkylene polyether polyol, water and a halogenated monohyd alcohol. 4,814,360, 3-21-89, Cl. 521-171.000.

McBride, Antoinette D.; and Smith, Arnold R., to American Telephon and Telegraph Company, AT&T Bell Laboratories. Connector f drop wire and other conductors. 4,861,278, 8-29-89, Cl. 439-395.0

McBride, Carl D.: *See—*
  Zupanick, Joseph E.; and McBride, Carl D., 4,865,424, C 350-321.000.

McBride, Daniel T.; Gregory, Richard V.; and Morris, Michael D. Milliken Research Corporation. Process for producing sculpture pile fabric. 4,846,845, 7-11-89, Cl. 8-114.600.

McBride, Daniel T.: *See—*
  Gregory, Richard V.; and McBride, Daniel T., 4,808,191, C 8-478.000.

McBride, Donald G.: *See—*
  Gazdik, Charles E.; McBride, Donald G.; Seraphim, Donald and Toole, Patrick A., 4,855,867, Cl. 361-306.000.

McBride, Edward F.: *See—*
  Cantu, Lisa A.; McBride, Edward F.; and Osborne, Marion 4,848,467, Cl. 166-281.000.

McBride, John J., to Montefiore Hospital Association of West Pennsylvania, The. Method and apparatus for shimming tubu supermagnets. 4,803,433, 2-7-89, Cl. 324-318.000.

McBride, John K.: *See—*
  Sanders, Robert E., Jr.; Kaanta, Henry W.; McBride, John Milner, Milton W.; Perigo, Terry A.; and Shelby, Samuel 4,812,183, Cl. 148-439.000.

McBride, Kay K. Crutch bag. 4,850,383, 7-25-89, Cl. 135-66.000.

McBride, Lincoln J.: *See—*
  Andrus, William A.; Efcavitch, J. William; and McBride, Lin J., 4,816,571, Cl. 536-27.000.

McBride, Robert K., to Tredegar Industries, Inc. Refastenable sheet. 4,880,422, 11-14-89, Cl. 604-389.000.

McBride, Roger W.: *See—*
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McBride, Scott. Rotary power tool having dual outputs. 4,81 3-7-89, Cl. 310-50.000.

McBride, Thomas S.: *See—*
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McBride, William B.; Wilson, William R., Jr.; Tomlinson, John McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jeffe D.; and Houle, Arthur J., to Flagman, Inc. Digital traffic co system. 4,857,921, 8-15-89, Cl. 340-912.000.

McBroom, John K., Jr.: *See—*
  Johnson, Thomas E.; and McBroom, John K., Jr., 4,853,1 420-454.000.

McBurnett, James R., to Dana Corporation. Pressure detecting sy for a hydraulic device. 4,828,462, 5-9-89, Cl. 417-291.000.

McBurney, Kevin B.; and Aleman, Javier. Method and apparatus cleaning cooling tower basins. 4,839,064, 6-13-89, Cl. 210-806.0

McBurney, William J.: *See—*
  Rasco, Barbara A.; and McBurney, William J., 4,828,84 426-18.000.

MCC Corporation: *See—*
  Nishikawa, Hideichi, 4,885,963, Cl. 81-57.320.

MCC Development, Ltd.: *See—*
  Morrison, Gordon E.; Brooks, Christopher B.; and Gluck, F ick G., 4,847,755, Cl. 364-200.000.

McCabe, Dennis E.; Platt, Steven C.; and Paau, Alan S., to C Corporation. Biological inoculant for corn. 4,828,600, 5-9-8 71-76.000.

McCabe, Duncan D.: *See—*
  Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; John W.; Johnson, Melvin H.; McCabe, Duncan D.; and rotto, Joseph A., 4,865,410, Cl. 350-96.200.

McCabe, Francis J. Bi-metal operator for smoke, fire and air c damper. 4,817,912, 4-4-89, Cl. 251-11.000.

McCabe, Gary E.: *See—*
  Hug, Paul; Umeda, Bill; Yesnosky, Paul A.; Raudebaugh, Ricco, Gary; and McCabe, Gary E., 4,855,980 Cl. 369-36

McCabe, Lance C., to Bristol Fiberlite Industries, Inc. Skylight ture and method of manufacture therefor. 4,884,379, 12-5-8 52-200.000.

McCabe, Ralph P., to Colt Industries, Inc. Solenoid valve for pro mer vehicle suspension system. 4,861,068, 8-29-89, Cl. 280-714

McCabe, Raphaela: *See—*
  Steinberg, Joseph; and McCabe, Raphaela, 4,874,165, Cl 1.0GC.

McCabe, Richard P.: *See—*
  Ransom, Janet H.; McCabe, Richard P.; Haspel, Martin V. Pomato, Nicholas, 4,849,506, Cl. 530-351.000.

Mc Cabe, Scott A.: *See—*
  Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; Mc Cabe, Scott A.; Mosley, Joseph M.; Mullgrav, Allan L., Jr.; Noto, Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., 4,833,425, Cl. 331-1.00A.

McCabe, Stanley G., to Jensen Corporation. Spreader feeder apparatus. 4,885,853, 12-12-89, Cl. 38-143.000.

McCabe-White Investment Corporation: *See—*
  Salkind, Harry, 4,883,268, Cl. 272-73.000.

McCabe, William J.; and Pesikov, Vitaly I., to Brown & Sharpe Manufacturing Co. Apparatus for temperature compensation of sensing means of a machine. 4,815,213, 3-28-89, Cl. 33-125.00T.

McCafferty, Hugh A., to Boeing Company, The. Elastomeric bearing for helicopter rotor having lead-lag damping. 4,886,419, 12-12-89, Cl. 416-134.00A.

McCafferty, Robert H.: *See—*
  Graser, Warren L.; and McCafferty, Robert H., 4,821,510, Cl. 60-242.000.

McCaghren, Joel L. Quick release light fixture. 4,845,597, 7-4-89, Cl. 362-61.000.

McCague, Raymond, to National Research Development Corporation. Iodotamoxifen derivatives and use for estrogen receptor-positive breast cancer detection and therapy. 4,839,155, 6-13-89, Cl. 424-1.100.

McCahill, David I., to Nepco, Inc. Multi-function self-contained heat pump system. 4,856,578, 8-15-89, Cl. 165-29.000.

McCain, Andrew H. Car trunk security door. 4,883,302, 11-28-89, Cl. 296-37.100.

McCain, Conrad L. Trolling motor mount for pleasure boats. 4,819,905, 4-11-89, Cl. 248-642.000.

McCain Manufacturing Corporation: *See—*
  McCain, William B.; and Higgins, George D., 4,875,669, Cl. 270-54.000.

McCain, William B.; and Higgins, George D., to McCain Manufacturing Corporation. Signature gathering machines. 4,875,669, 10-24-89, Cl. 270-54.000.

McCaleb, David E.: *See—*
  Corniea, Donald G.; Marty, Steven J.; and McCaleb, David E., 4,869,397, Cl. 222-63.000.

McCall, David: *See—*
  Borseth, Donald; and McCall, David, 4,826,618, Cl. 252-174.210.

McCall, Floyd. Fluid dispersing means. 4,812,049, 3-14-89, Cl. 366-174.000.

McCall, Hannon L. Cleated shoe walking sole. 4,807,372, 2-28-89, Cl. 36-135.000.

McCall, James L.: *See—*
  Bartlett, Edwin S.; and McCall, James L., 4,842,042, Cl. 164-463.000.

McCall, Jones; McClure, Tom; and Monroe, Letcher. Two by one twill weave for an impression fabric. 4,874,263, 10-17-89, Cl. 400-241.300.

McCall, Keith H. Plow cleaning device. 4,823,884, 4-25-89, Cl. 172-508.000.

McCall, Mark; and Vinson, Jeffrey W., to Netra Plastics. Animal proof container. 4,801,039, 1-31-89, Cl. 220-284.000.

McCall, Melvin D.; and Greene, Lawrence D., to Smith Corona Corpo ation. Slide latch gravity lock. 4,865,368, 9-12-89, Cl. 292-175.000.

McCall, Michael: *See—*
  Goodwin, David A.; Meares, Claude; and McCall, Michael, 4,863,713, Cl. 424-1.100.

Call, Samuel L., Jr.: *See—*
  Jewell, Jack L.; and McCall, Samuel L., Jr., 4,861,976, Cl. 250-211.00J.

Calley, Karl W.; Wilson, Steven D.; and Fischer, James L., to elaction Corporation. Presentation player. 4,829,372, 5-9-89, Cl. 58-86.000.

Calley, Karl W.; Bertram, John R.; Sloan, Walter W.; and McClure, ory T., to Telaction Corporation. Electronic store. 4,860,123, 22-89, Cl. 358-342.000.

Callie, James A. Detection of lightning, storms and the like. 823,115, 4-18-89, Cl. 340-601.000.

Callum, Robert S.; and Hendrikx, Dale E., to Delphax Systems. rint cartridge. 4,890,123, 12-26-89, Cl. 346-159.000.

Calmont, Arnold M., to Technical Communication Corporation. o-overhead synchronization for cryptographic systems. 4,856,063, 8-89, Cl. 380-48.000.

Caman, Michael T.: *See—*
  Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.

Camant, Angus J.: *See—*
  Gleason, Kimberly R.; Strid, Eric W.; Flegal, Robert T.; and McCamant, Angus J., 4,853,627, Cl. 324-158.00P.

Cambridge, John M., to Chrysler Motors Corporation. H-driver. 59,916, 8-22-89, Cl. 318-293.000.

ambridge, John M., to Chrysler Motors Corporation. Serial to rallel data conversion system. 4,885,583, 12-5-89, Cl. 341-100.000.

ammon, Michael: *See—*
  Culler, Glen J.; Pearson, Robert B.; McCammon, Michael; Proctor, William L.; and Richardson, John L., 4,837,678, Cl. 364-200.000.

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andlish, Larry E.: *See—*
  Ho, Teh C.; McCandlish, Larry E.; Young, Archie R., II; and Osterhuber, Edward J., 4,831,002, Cl. 502-165.000.
  Polizzotti, Richard S.; and McCandlish, Larry E., 4,851,041, Cl. 75-240.000.

McCann, Denis J.; Dawson, Stuart B.; and Ward, Andrew J., to Lucas Industries public limited company. Hydraulic anti-lock braking systems for vehicles. 4,887,871, 12-19-89, Cl. 303-113.000.

McCann, Elrey L., to Du Pont de Nemours, E. I., and Company. Preparation of low molecular weight olefinic hydrocarbons using a perovskite catalyst. 4,861,802, 8-29-89, Cl. 518-717.000.

McCann. James, to Vickers PLC. Rotary pipe coupling. 4,801,161, 1-31-89, Cl. 285-93.000.

McCann, James D.; Young, Lawrence R.; and Brandon, John M., to Eastman Kodak Company. Simplified multicolor fluid system for continuous ink jet printer. 4,875,055, 10-17-89, Cl. 346-75.000.

McCann, James E.: *See—*
  Lesniak, John M.; Boardman, Franklin; Koci, Wayne G.; and McCann, James E., 4,826,880, Cl. 521-53.000.

McCann, John J.: *See—*
  Abdulwahab, Munib; Burkhardt, James L.; and McCann, John J., 4,839,721, Cl. 358-80.000.

McCann, Larry D.: *See—*
  Bench, Thomas R.; and McCann, Larry D., 4,882,071, Cl. 210-747.000.

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  Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, 4,881,034, Cl. 324-318.000.

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  LeTourneau, Michael E.; McCarthy, James R.; and Trepanier, Donald L., 4,868,315, Cl. 549-51.000.
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  McBride, William B.; Wilson, William R., Jr.; Tomlinson, John C.; McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jefferson D.; and Houle, Arthur J., 4,857,921, Cl. 340-912.000.

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McCauley, David K., to Eastman Kodak Company. Dual mode genlock system which automatically locks to color burst or to sync information. 4,847,678, 7-11-89, Cl. 358-19.000.
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McClain, Donald T., to Northern Telecom Limited. Security hande 4,837,819, 6-6-89, Cl. 379-424.000.
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McClellan, Gary C. Revolver holder. 4,870,771, 10-3-89, Cl. 42-90
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McClure, John H. Broken bolt extractor. 4,831,902, 5-23-89, Cl. 81-53.200.
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  Kaarre, Norman J., 4,848,448, Cl. 165-158.000.
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McCrindle, John A.; Steiner, Antony F.; and Jackson, Andrew M., to General Electric Company p.l.c., The. Transaction system. 4,845,347, 7-4-89, Cl. 235-380.000.
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- McGann, William E.; and Todd, John R., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Microwave absorber attenuator for linear SSPA power control. 4,868,889, 9-19-89, Cl. 455-126.000.
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  - McCauley, Lewis D., 4,824,305, Cl. 411-431.000.
  - Parks, Jeffery R., 4,848,113, Cl. 70-259.000.
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- McGarry, Michael P.: *See—*
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- McGary, Charles W., Jr.: *See—*
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- McGaughan, Thomas. Disposable aerosol razor. 4,881,323, 11-21-89, Cl. 30-41.000.
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  - Bokisa, George S.; and Page, Billie J., 4,885,064, Cl. 204-44.400.
  - Canaris, Valerie M., 4,832,802, Cl. 204-44.200.
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- McGee, Frank J.: *See—*
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- McGee, James N., Jr.: *See—*
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- McGee, Jeffrey S.; and Kadien, Thomas C., to Cipher Data Products, Inc. Extraction and insertion mechanism for a leader block of a tape cartridge. 4,852,825, 8-1-89, Cl. 242-195.000.
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- McGee, Rodney M., Sr. Resettable axial tumbler lock. 4,858,456, 8-22-89, Cl. 70-491.000.
- McGeehan, Gerald M.: *See—*
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- McGeehan, Harold K.: *See—*
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- McGeehan, John K., to EM Diagnostic Systems, Inc. Method of preparing particles suitable for tabletting into diagnostic reagents. 4,820,627, 4-11-89, Cl. 435-4.000.
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- McGeever, Casey: *See—*
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- McGehee, Ronald W., to Ukiah Machine & Welding, Inc. Saw guide lubricating system. 4,848,200, 7-18-89, Cl. 83-169.000.
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  - Hancock, John C.; Dubrul, William R.; and Heyler, Charles J., II 4,798,584, Cl. 604-93.000.
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- McGhie, Joseph A.: *See—*
  - Boden, Richard M.; and McGhie, Joseph A., 4,883,884, C 549-74.000.
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- McGill, David C.; McIntire, Gary J.; and Stowe, Mitchell T., to Fo Aerospace & Communications Corporation. Telemetry data proce sor. 4,837,739, 6-6-89, Cl. 364-900.000.
- McGill, Eugene C.; and Rawlings, Robert L., to McGill Incorpora Smoke suppressant apparatus for flare gas combustion. 4,824,36 4-25-89, Cl. 431-202.000.
- McGill, Ian R.; and Kennedy, David, to Johnson Matthey Pub Limited Company. Casting transition metal alloy containing ra earth metal. 4,824,735, 4-25-89, Cl. 428-610.000.
- McGill, Ian R.; and Lucas, Kevin A., to Johnson Matthey Pub Limited Company. Scratch resistant platinum article. 4,828,9 5-9-89, Cl. 428-610.000.
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  - McGill, Eugene C.; and Rawlings, Robert L., 4,824,361, C 431-202.000.
- McGill, John: *See—*
  - Yaniv, Zvi; Cannella, Vincent D.; and McGill, John, 4,868,664, C 358-213.130.
- McGill, John C.: *See—*
  - Yaniv, Zvi; Catchpole, Clive; Cannella, Vincent D.; McGill, Jo C.; Prewarski, Mike; and Mulberger, Ronald G., 4,827,084, C 178-18.000.
- McGill Manufacturing: *See—*
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- McGill Manufacturing Company: *See—*
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- McGill, Paul E.; and Pitigliano, Frank J., to Somerset Technolog Inc. Accumulator extrusion head for producing striped paris 4,874,305, 10-17-89, Cl. 425-131.100.
- McGill, Robert: *See—*
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- McGillis, Joseph P.; and Fly, Howard G., to Joseph Patrick McGil Multidirectional exerciser. 4,872,668, 10-10-89, Cl. 272-130.000.
- McGillivray, Kevin: *See—*
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- McGilvery, James D.: *See—*
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- McGinley, Jeremiah E., to General Electric Company. High velo sabot for spin stabilized penetrator. 4,881,466, 11-21-89, C 102-522.000.
- McGinley, John V. M., to Picker International, Ltd. Magnet arra ments. 4,870,380, 9-26-89, Cl. 335-296.000.
- McGinley, Michael L. Baseball glove shaper. 4,877,162, 10-31-89, C 223-78.000.
- McGinley, Patton H.; and Long, Jeffrey M. Neutron shielded doo radiation therapy rooms. 4,833,335, 5-23-89, Cl. 250-518.100.
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- McGinn, Donald S.: *See—*
  - Hung, Francis Y.; and McGinn, Donald S., 4,849,846, C 361-56.000.
- McGinn, Michael, to Motorola, Inc. Automatic frequency con system. 4,796,102, 1-3-89, Cl. 358-195.100.
- McGinn, Michael, to Motorola, Inc. All NPN differential to si ended amplifier. 4,829,264, 5-9-89, Cl. 330-252.000.
- McGinn, Michael, to Motorola, Inc. Differential phase reduction ci for a video demodulating system and method. 4,853,641, 8-1-89, C 329-50.000.
- McGinn, Michael, to Motorola, Inc. Phase detector. 4,870,303, 9-26-8 Cl. 307-511.000.
- McGinn, Vincent P.; and Goldberg, Ira B., to Rockwell Internati Corporation. Meter using a microwave bridge detector for meas fluid mixtures. 4,888,547, 12-19-89, Cl. 324-58.50A.
- McGinnis, Bryan J.: *See—*
  - Holcomb, Bruce A.; McCracken, Shaun D.; and McGinnis, Br J., 4,838,708, Cl. 383-5.000.
- McGinnis, Francis K., III; and Enright, John F., III, to Nas Furnace for hazardous materials. 4,802,424, 2-7-89, Cl. 110-250.
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- McGinnis, James L.: *See—*
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- McGinnis, Leon W.: *See—*
  - Carroll, James R.; McGinnis, Leon W.; Miller, Terry L.; and Norris, Michael B., 4,886,699, Cl. 428-228.000.
- McGinnis, Robert E. Temporary device for use during street repairs. 4,808,025, 2-28-89, Cl. 404-26.000.
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McKay, Alan R. Moveable roadway barrier system. 4,881,845, 11-21-89, Cl. 404-6.000.
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  Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; a McKendry, Arthur R., 4,825,385, Cl. 364-513.500.
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McKenna, Kevin D.: *See—*
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McKenney, Darryl J.: *See—*
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McKenzie, Carl O. Gopher killer. 4,841,668, 6-27-89, Cl. 43-124.00
McKenzie, Donald E.: *See—*
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McKenzie, Donald G., to Delta Projects Inc. Switching v 4,842,016, 6-27-89, Cl. 137-597.000.
McKenzie, Ian R.: *See—*
  Kelsey, Christopher G.; and McKenzie, Ian R., 4,858,67 251-212.000.
McKenzie, Jeffrey J.: *See—*
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McKenzie, Lee F.; and Lawrence, Lawrence D., to IRECO Inco rated. Emulsion explosive containing organic microsph 4,820,361, 4-11-89, Cl. 149-2.000.
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McKenzie, T. Curtis. Floating water turbine. 4,849,647, 7-11-8 290-54.000.
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McKeown, Bruce P.: *See—*
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McKeown, Frank R. Pressure applicator. 4,796,767, 1-10-89, Cl. 215-11.100.
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McKey, Loretta M.: *See—*
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McKibben, Kenneth D., to CMI International, Inc. Method and apparatus for reclaiming used hydraulic fluid. 4,876,015, 10-24-89, Cl. 210-695.000.
McKie, Derrick B.: *See—*
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McKie, Peter; and Elcock, Kenneth W. A., to Esselte Pendaflex Corporation. Sign-making materials. 4,855,171, 8-8-89, Cl. 428-40.000.
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McKinlay, Peter R.: *See—*
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McKinley, M. Robert: *See—*
  Carver, Robert W.; and McKinley, M. Robert, 4,808,946, Cl. 330-297.000.
McKinley, Mildred L.: *See—*
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McKinley, Milton A.; and Castelli, Charles C., to Surgeonics Limited. Microprocessor controlled heating system. 4,844,335, 7-4-89, Cl. 237-8.00R.
McKinley, William E.: *See—*
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McKinney, Linda M.: *See—*
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McKinney, Ray, Jr.: *See—*
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McKinney, Richard W.: *See—*
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McKinney, Ronald J.; and Osborne, Robert B., to Du Pont de Nemours, E. I., and Company. Promoter synergism in pentenenitrile hydrocya ation. 4,874,884, 10-17-89, Cl. 558-338.000.
McKinney, Stanley E.: *See—*
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McKinnon, Graeme C., to U.S. Philips Corporation. Nuclear magnetic resonance tomography method. 4,804,920, 2-14-89, Cl. 324-309.000.
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McKinnon, James A. Manual edge bander apparatus. 4,849,063, 7-18-89, Cl. 156-391.000.
McKinnon, Robert M. Riser check valve. 4,852,602, 8-1-89, Cl. 137-68.100.
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  Limaye, Santosh Y.; Agrawal, Dinesh K.; McKinstry, Herbert A.; and Roy, Rustum, 4,801,566, Cl. 501-104.000.
McKissack, Jeremy J., to Gallagher Electronics Limited. Electric fence energizer. 4,859,868, 8-22-89, Cl. 307-106.000.
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McKissock, Murdo J., to Hewlett-Packard Limited. Analysis of digital radio transmissions. 4,825,449, 4-25-89, Cl. 375-10.000.
McKittrick, Brian A.; and Katz, Alan H., to American Home Products Corporation. Substituted 1,3,4,9-tetrahydropyrano[3,4-b]indole-1-acetic acids. 4,886,886, 12-12-89, Cl. 548-432.000.
McKneely, James W. Cargo compartment organizer. 4,844,305, 7-4-89, Cl. 224-42.420.
McKnight, David C. Sound and visual display apparatus. 4,844,447, 7-4-89, Cl. 272-27.00N.
McKnight, Earl E.: *See—*
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McKnight, Early C.: *See—*
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McPherson, Joe W., to Texas Instruments Incorporated. Polycide process for integrated circuits. 4,816,425, 3-28-89, Cl. 437-200.000.
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  Petroff, Cvetan, 4,825,544, Cl. 30-138.000.
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McQuade, John M.; and Paidosh, Richard L., to Minnesota Mining an Manufacturing Company. Full color, continuous tone laser dio photographic imaging apparatus and method using three laser diod at predetermined frequencies. 4,821,113, 4-11-89, Cl. 358-75.000.
McQuade, John O., to Linatex Corporation of America. Protective m assembly and installation method therefor. 4,856,791, 8-15-89, C 273-410.000.
McQuade, Robert L. Field cooker. 4,834,065, 5-30-89, Cl. 126-262.0
McQuaid, Phillip T.: *See—*
  Landsman, Steve, 4,822,042, Cl. 273-73.00R.
McQuain, Beverly A., to Instant Defence Inc. Shield for a pers 4,860,776, 8-29-89, Cl. 135-19.500
McQuay, Edgar E.: *See—*
  Larson, Carl A.; McMillen, Charles J.; and McQuay, Edgar E 4,862,307, Cl. 361-38.000.
McQueen, Robert. Trap for small crawling pests. 4,815,231, 3-28-89, C 43-114.000.
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McQuilkin, Peter H., to Femcare Limited. Applicator. 4,858,4 8-22-89, Cl. 128-325.000.
McQuilkin, Peter H.; and Lawrence, William T., to Femcare Limi Apparatus for the insertion of catheters. 4,888,000, 12-19-89, C 604-164.000.
McQuillan, Barry W.; and Reynolds, George H., to United States America, Air Force. Preparation of metal oxide fibers from inte lated graphite fibers. 4,885,120, 12-5-89, Cl. 264-60.000.
McQuirk, Kyle. Fire protection for structures. 4,858,395, 8-22-89, C 52-3.000.
McQuoid, Bryan K.; Charlson, Earl J.; and Graham, Huber, to Comb tion Engineering, Inc.; and University of Missouri, Curators of th Multiple point remote temperature sensing. 4,878,226, 10-31-89, C 374-166.000.
McRae, Daniel D.; and Furman, William N., to Harris Corporat Frequency management system for use in multistation H.F. commu cation network. 4,872,182, 10-3-89, Cl. 375-1.000.
McRae, Doris J.; and Roberts, Richard E., to Smith Corona Corpo tion. Dictionary typewriter with correction of commonly conf words. 4,847,766, 7-11-89, Cl. 364-419.000.
McRae, Doris J.; and Roberts, Richard E., to Smith Corona Corpo tion. Punctuation check feature for an electronic typewri 4,887,920, 12-19-89, Cl. 400-63.000.
McRae, Doris J.; and Roberts, Richard E., to Smith Corona Corpo tion. Memory typewriter with count of overused words. 4,888,7 12-19-89, Cl. 364-900.000.
McRae, John B.: *See—*
  Stephens, Norman M.; and McRae, John B., 4,821,471, C 52-81.000.
McRaine, Lance W. Cable straightening apparatus. 4,829,801, 5-16- Cl. 72-164.000.
McRay, David L. Combined camper/pickup-truck. 4,815,786, 3-28- Cl. 296-165.000.
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McRoberts, Louis A., to Motorola, Inc. Memory system having me ory elements independently defined as being on-line or off-li 4,819,205, 4-4-89, Cl. 365-1.000.
McRoberts, Richard C. Method and apparatus for determining mile 4,838,579, 6-13-89, Cl. 283-48.100.
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McShane, James E., to Plough, Inc. Method for dyeing eggs usi water soluble dyeing composition in a shaped container. 4,853, 8-1-89, Cl. 426-250.000.
McShane, John, to Products Research & Chemical Corp. Multi-p thermally insulating construction. 4,808,452, 2-28-89, Cl. 428-34
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McShea, Julie A.: *See—*
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McSherry, Thomas W.; and Garfield, Nathaniel H., to Mechanical Plastics Corp. Expansible fastening element. 4,878,790, 11-7-89, Cl. 411-34.000.
McSorley, Harry J., Sr. Energy storage and supply system. 4,843,251, 6-27-89, Cl. 307-66.000.
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McStravick, M. Catherine; Proctor, David R.; and Wood, Scott J., to United States of America, National Aeronautics and Space Administration. Lightweight device to stimulate and monitor human vestibulo-ocular reflex. 4,817,633, 4-4-89, Cl. 128-782.000.
McSwain, Gregory D. Trowel vise. 4,889,330, 12-26-89, Cl. 269-95.000.
McSwain, Joery. Link belt drive. 4,798,568, 1-17-89, Cl. 474-242.000.
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  Woudsma, Roberto; Chong, David C. H.; McSweeney, Brian T.; Borgers, Stephanus M. C.; and Habraken, Egidius A. P., 4,881,192, Cl. 364-725.000.
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McSweeney, Robert T., to GTE Products Corporation. Nonlinear dielectric capacitor for pulse generation applications. 4,858,066, 8-15-89, Cl. 361-321.000.
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McTighe, Robert T.: *See—*
  Schmit, Michael B.; and McTighe, Robert T., 4,802,978, Cl. 210-104.000.
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McVay, David R.; Carter, Lawrence D.; Jonasky, John D.; and Jefferson, Chris A., to Amoco Corporation. Apparatus for assembling lined packaging tray. 4,872,939, 10-10-89, Cl. 156-354.000
McVay, Roger S.; McVay, Steven R.; and Brooks, W. E., Jr. Pipe blocking system. 4,865,355, 9-12-89, Cl. 285-32.000.
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McVeagh, John S., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Hollow charge and liner assemblage. 4,798,145, 1-17-89, Cl. 102-476.000.
McVeigh, Martin L. Insulated carry bag. 4,854,736, 8-8-89, Cl. 383-76.000.
McVey, George R.; Tornberg, Kenneth W.; Widell, Larry R.; and Wood, George E., to O.M. Scott & Sons Company, The. Treatment of plants with a combination fertilizer composition. 4,824,473, 4-25-89, Cl. 71-92.000.
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  Hyde, James S.; Froncisz, Wojciech; Jesmanowicz, Andrzej; and Kneeland, J. Bruce, 4,866,387, Cl. 324-318.000.
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  McCanny, John V.; Evans, Richard A.; and McWhirter, John G., 4,885,715, Cl. 364-728.010.
McWhirter, Vernie C.; Oliver, Donald W.; and Hollingsworth, David P., to Western Atlas International, Inc. Method and apparatus for determining well fluid flow velocity using a nonradioactive tracer. 4,825,072, 4-25-89, Cl. 250-259.000.
McWhirter, Vernie C.; Pickett, James E.; and Carlson, Norman R., to Western Atlas International, Inc. Method of evaluating the condition of tubular goods. 4,878,180, 10-31-89, Cl. 364-507.000.
McWhorter, Daniel M., Gross, James R.; and Steigerwald, Carl J., to Kendall Company, The. Urine meter drain container with large and small sample ports. 4,815,477, 3-28-89, Cl. 128-766.000.
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Mead, Albert R., to Grumman Aerospace Corporation. Memory metal connector for panels. 4,813,807, 3-21-89, Cl. 403-273.000.
Mead, Brian. Bulk sodium bicarbonate dialysis solution mixing apparatus. 4,848,916, 7-18-89, Cl. 366-137.000.
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  Beeman, John A.; Solt, Floyd R.; Leep, James L.; Marvin, Wayne S.; and Smith, Troy F., 4,838,430, Cl. 206-624.000.
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  Calvert, Rodney K.; and Wood, Prentice J., 4,802,583, Cl. 206-427.000.
  Calvert, Rodney K., 4,869,052, Cl. 53-566.000.
  Chaussadas, Jean; and Le Bras, Philippe, 4,796,754, Cl. 206-434.000.
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  Geis, Timothy R., 4,804,611, Cl. 430-138.000.
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  Gottschalk, Peter; Neckers, Douglas C.; and Schuster, Gary B., 4,842,980, Cl. 430-138.000.
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  Kovacs, Kerry; Simpson, William; Burkholder, Amy L.; Messer, Russell K.; and Thomas, Teresa M., 4,840,866, Cl. 430-138.000.
  Lanier, William G., 4,862,740, Cl. 73-150.00A.
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  Liang, Rong-Chang; Colyer, Emerson K.; and Borello, Kelli J., 4,853,364, Cl. 503-216.000.
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  Nelson, Erik K.; Demarchi, Michael E.; and Boyer, David A., 4,825,251, Cl. 355-27.000.
  Nelson, Erik K., 4,828,366, Cl. 350-342.000.
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Sanders, Frederick W., 4,822,714, Cl. 430-138.000.

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Sanders, Frederick W.; Hillenbrand, Gary F.; Arney, Jonathan S.; and Wright, Richard F., 4,842,981, Cl. 430-138.000.

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Spamer, William S., 4,886,171, Cl. 211-59.200.

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Meador, Lawrence D. Animal aspirating and irrigating apparatus. 4,861,333, 8-29-89, Cl. 604-35.000.

Meador, Neil A., to Permanent Label Corporation. Apparatus and method for decorating tubular containers and like items. 4,889,050, 12-26-89, Cl. 101-38.100.

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Small, Michele; Friel, Kevin J.; and Meager, Paul A., 4,862,701, C 62-150.000.

Meakin, Brian J.: *See—*

Davies, David J. G.; Meakin, Brian J.; Rees, John E.; and Sta forth, John N., 4,863,627, Cl. 252-95.000.

Meakin, Douglas B.; and Migliorato, Piero, to General Electric Co pany, p.l.c., The. Method of fabricating a polysilicon thin film tra tor. 4,880,753, 11-14-89, Cl 437-41.000.

Meakins, Stephen E.: *See—*

De Rooij, Johannes F. M.; and Meakins, Stephen E., 4,873,108, C 426-533.000.

Mealey, Thomas P.: *See—*

Palmer, Harold D.; Palmer, Daren D.; and Mealey, Thoma 4,813,589, Cl. 228-119.000.

Meals, Roy A., to LMB Hand Rehab Products, Inc. Hand-form support. 4,807,609, 2-28-89, Cl. 128-87.00R.

Means, Bob D. Vehicle plate attachment method and apparatus the for. 4,813,167, 3-21-89, Cl. 40-210.000.

Means, Donald R., to American Telephone and Telegraph Compa and American Telephone and Telegraph Company, AT&T Info tion Systems Inc. Adaptive expander for telephones. 4,847,5 7-11-89, Cl. 379-390.000.

Means, Gary E.; and Ampon, Kamaruzaman, to Ohio State Univer The. Protein immobilization by adsorption of a hydrophobic ami protein derivative to a hydrophobic surface. 4,808,530, 2-28-89, C 435-180.000.

Means, Rodney J.: *See—*

Kulakowski, John E.; and Means, Rodney J., 4,813,011, C 364-900.000.

Kulakowski, John E.; and Means, Rodney J., 4,814,903, C 360-48.000.

Kulakowski, John E.; and Means, Rodney J., 4,839,877, C 369-48.000.

Means, William A. Electro/hydraulic power pack. 4,851,703, 7-25 Cl. 290-1.00R.

Meares, Claude: *See—*

Goodwin, David A.; Meares, Claude; and McCall, Mich 4,863,713, Cl. 424-1.100.

Mearl Corporation, The: *See—*

Mattin, Harry E., 4,797,308, Cl. 428-15.000.

Mears, Adrian L.: *See—*

Benjamin, John D.; Mears, Adrian L.; and White, John C 4,808,983, Cl. 340-719.000.

Mears, Arthur W., to Radarfind, Inc. Locator device. 4,800,5 1-31-89, Cl. 116-210.000.

Mears, David D.: *See—*

Kyser, Jerry L.; and Mears, David D., 4,882,568, Cl 340-568.

Mears, Eric L.; Hertel, Richard J.; Brick, Robert V.; and Holt, Ca Jr, to Varian Associates, Inc. Apparatus for retaining wa 4,817,556, 4-4-89, Cl. 118-503.000.

Mears, Eric L., to Varian Associates, Inc. Methods and apparatus thermal transfer with a semiconductor wafer in vacuum. 4,832,7 5-23-89, Cl. 156-345.000.

Mears, Eric L.: *See—*

Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; Mc tosh, Edward D.; Jennings, Robert E.; and Bhargava, Al 4,836,733, Cl. 414-225.000.

Mears, William G., to Mobil Oil Corporation. Method of controlli dynamometer. 4,825,690, 5-2-89, Cl. 73-117.000.

Measurement Resources Inc.: *See—*

Heyman, Joseph S., 4,869,722, Cl. 604-253.000.

Heyman, Joseph S., 4,881,552, Cl. 128-774.000.

Measurement Specialties, Inc.: *See—*

Germanton, Damon, 4,832,142, Cl. 177-256.000.

Measurement Technology Limited: *See—*

Hutcheon, Ian C.; and Epton, David J., 4,860,151, Cl. 361-91.000.

Measurex Corporation: *See—*

Dahlquist, John A., 4,879,471, Cl. 250-359.100.

Frohardt, Allen; Dahlquist, John A.; and Howarth, John J., 4,830,504, Cl. 356-448.000.

Houghton, Paul J., 4,864,851, Cl. 73-159.000.

Houghton, Paul J., 4,866,984, Cl. 73-159.000.

Moon, Sang F., 4,855,658, Cl. 318-632.000.

Vidrine, Warren D., Jr.; and Roth, Mark S., 4,827,121, Cl. 250-227.000.

Meath, Kenneth R.: *See—*

Keskey, William H.; and Meath, Kenneth R., 4,861,822, Cl. 524-559.000.

Meathrel, William G., to Graphic Controls Canada, Ltd. Ethylene oxide monitoring device. 4,826,772, 5-2-89, Cl. 436-93.000.

Mebane, Janet E.; Chan, Lawrence W.; La, Duong T.; and Nevarez, Ruben, to Hewlett-Packard Company. Interconnect lead frame for thermal ink jet printhead and methods of manufacture. 4,806,106, 2-21-89, Cl. 439-77.000.

Mebes, Bruno; and Ludi, Christine, to Sanitized Ag. Production of silyl quaternary ammonium compounds. 4,845,256, 7-4-89, Cl. 556-413.000.

Mec-Lift A.S.: *See—*

Werner, Per G., 4,860,987, Cl. 248-405.000.

MEC-MOR S.p.A.: *See—*

Tenconi, Riccardo, 4,884,417, Cl. 66-220.000.

Tenconi, Riccardo, 4,887,439, Cl. 66-51.000.

Mec-Prec Mecanica de Precisao Industria e Comercio Ltda.: *See—*

Klabin, Mauricio, 4,889,279, Cl. 232-15.000.

Mecania AB: *See—*

Magnusson, Lennart, 4,865,095, Cl. 144-208.00E.

Magnusson, Lennart, 4,872,495, Cl. 144-208.00E.

Mecanismos Auxiliares Industriales, SA -M.A.I.S.A.: *See—*

Martin, Manuel F., 4,837,410, Cl. 200-5.00R.

Mecca, John. Positioning device. 4,829,767, 5-16-89, Cl. 60-528.000.

Mecca, John. Prefabricated space station. 4,880,186, 11-14-89, Cl. 244-159.000.

Meccanica Comasca S.R.L.: *See—*

Natale, Guzzetti, 4,846,416, Cl. 242-56.00A.

Meccanizzazione Postale E Automazione SpA (MPA): *See—*

Scata', Mario, 4,804,078, Cl. 198-346.200.

Meccanotecnica Codognese S.p.A.: *See—*

Falchetti, Umberto, 4,815,993, Cl. 439-622.000.

Mechanical Backrest, Inc.: *See—*

Elder, William H.; Hansen, Ries B.; and Olivier, Andre W., 4,853,990, Cl. 5-71.000.

Mechanical Ingenuity Corp.: *See—*

Manning, Peter J.; Costell, Joshua D.; and Beckerman, Howard L., 4,864,829, Cl. 62-85.000.

Mechanical Plastics Corp.: *See—*

McSherry, Thomas W.; and Garfield, Nathaniel H., 4,878,790, Cl. 411-34.000.

Mechanical Service Company: *See—*

Hudimac, George S., Jr., 4,807,100, Cl. 362-255.000.

Mechanical Service Co., Inc.: *See—*

Hudimac, George S., Jr., 4,860,764, Cl. 128-725.000.

Hudimac, George S., Jr., 4,860,765, Cl. 128-725.000.

Hudimac, George S., Jr., 4,862,898, Cl. 128-725.000.

Mechanical Technology Incorporated: *See—*

Bhate, Suresh K.; and Vitale, Nicholas G., 4,827,163, Cl. 310-15.000.

Chen, Hsiang M.; Eusepi, Martin W.; and Johnson, Robert E., 4,841,184, Cl. 310-90.500.

Curwen, Peter W.; and Hurst, Ralph, 4,814,650, Cl. 310-22.000.

Curwen, Peter W.; and Hurst, Ralph, 4,836,757, Cl. 417-416.000.

Dhar, Manmohan, 4,873,826, Cl. 60-641.140.

Mechatherm Engineering Limited: *See—*

Gardner, John A., 4,846,029, Cl. 83-13.000.

Mechelke, Joel D.: *See—*

Wrobel, Keith A.; and Mechelke, Joel D., 4,856,746, Cl. 248-250.000.

Mechera, Karl: *See—*

Zahir, Abdul-Cader; and Mechera, Karl, 4,801,660, Cl. 525-481.000.

Mechoulam, Raphael; Feigenbaum, Jeffery J.; Lander, Naphtali; and Srebnik, Morris, to Yissum Research Development Co. of The Hebrew University of Jerusalem. (3S-4S)-7-hydroxy-Δ^6-tetrahydrocannabinols. 4,876,276, 10-24-89, Cl. 514-454.000.

Mechtrix Corporation: *See—*

Butler, John D., 4,826,067, Cl. 228-1.100.

Butler, John D., 4,852,433, Cl. 81-9.510.

Butler, John D.; and Johnson, Keith A., 4,870,878, Cl. 81-9.510.

Mecke, Norbert: *See—*

Krauter, Heinrich; Schmedes, Albert; Mecke, Norbert; and Kuchenreuther, Wieland, 4,820,551, Cl. 427-146.000.

Meckel, Walter; and Hombach, Rudolf, to Bayer Aktiengesellschaft. Heat curable adhesive system. 4,868,266, 9-19-89, Cl. 528-55.000.

Meckel, Walter: *See—*

Gerum, Johannes; Kober, Heinrich; and Meckel, Walter, 4,869,965, Cl. 428-425.900.

Henning, Wolfgang; Meckel, Walter; and Fuhrmann, Peter, 4,857,565, Cl. 523-343.000.

Henning, Wolfgang; Hombach, Rudolf; Meckel, Walter; and Dollhausen, Manfred, 4,870,129, Cl. 524-597.000.

Meckenstock, Fritz, to Mega Plast product- u. Verpackungsentwicklung Marketing Gesellschaft mit beschrankter Haftung & Co. Dispenser for dispensing paste compositions. 4,819,836, 4-11-89, Cl. 222-386.000.

Meckenstock, Fritz, to Mega Plast product- u. Verpackungsentwicklung Marketing Gesellschaft mit Beschrankter Haftung & Co. Dispensing device for dispersing liquid from a container. 4,858,788, 8-22-89, Cl. 222-207.000.

Meckl, Heinz; Spriewald, Erika; and Renner, Gunter, to Agfa-Gevaert Aktiengesellschaft. No-rinse photographic processing method and the stabilizing bath used for this method. 4,855,216, 8-8-89, Cl. 430-372.000.

Meckler, Gershon, to Manville Sales Corporation. Air conditioning apparatus. 4,819,444, 4-11-89, Cl. 62-238.600.

Meckler, Gershon. Mixing box. 4,858,519, 8-22-89, Cl. 98-384.000.

Meckler, Milton. Multi-zone off-peak storage on-peak energy saving air conditioning. 4,815,527, 3-28-89, Cl. 165-50.000.

Meckler, Milton. Desiccant assisted air conditioner. 4,887,438, 12-19-89, Cl. 62-271.000.

Mecron Medizinische Produkte GmbH: *See—*

Anapliotis, Emmanuel, 4,809,689, Cl. 128-92.0VD.

Kranz, Curt; Zahedi, Amir; and Anapliotis, Emmanuel, 4,842,606, Cl. 623-23.000.

Kranz, Curt; and Anapliotis, Emmanuel, 4,878,917, Cl. 623-18.000.

Mect Corporation: *See—*

Abiko, Kenji; Minagawa, Shikoh; Shinohara, Hiroshi; and Koseki, Kayoko, 4,846,168, Cl. 128-203.150.

Fujita, Shuji; Yoshimura, Shoji; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,880,572, Cl. 260-404.000.

Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukishige; Kirihata, Yoshiko; and Ogawa, Tomoya, 4,885,358, Cl. 530-387.000.

Suzuki, Issei; Kano, Takashi; Watanabe, Yoshio; and Anzai, Noboru, 4,863,049, Cl. 215-249.000.

Yamato, Masatoshi, 4,826,850, Cl. 514-284.000.

Yoshimura, Shoji; Tani, Yoichiro; Matsuzaki, Youzi; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,797,477, Cl. 536-18.500.

Mectron Engineering Company, Inc.: *See—*

Hanna, James L., 4,831,251, Cl. 250-223.00R.

Med Bed Technologies, Inc.: *See—*

DiMatteo, Paul; and Chubb, Charles F., 4,837,873, Cl. 5-81.00R.

Med-Ex Diagnostics of Canada Inc.: *See—*

McArthur, James; and Bentz, Herbert W., 4,819,282, Cl. 5-62.000.

Med. Fab (Lafayette), Inc.: *See—*

Srinivasan, Vadake R., 4,855,139, Cl. 424-404.000.

Med Optics Corp.: *See—*

Sterman, Saul C., 4,811,662, Cl. 101-170.000.

Sterman, Saul C., 4,872,405, Cl. 101-44.000.

Med-Struments, Inc.: *See—*

Robinson, Herbert L.; and Epstein, Allen S., 4,807,599, Cl. 128-16.000.

Medalarm Corporation: *See—*

Davis, Bradley D.; Groshong, Judson C.; and Marcel, Leonard J., 4,849,948, Cl. 368-10.000.

Medar, Inc.: *See—*

Farrow, John F., 4,804,819, Cl. 219-91.200.

Farrow, John F., 4,831,229, Cl. 219-117.100.

Farrow, John F., 4,851,635, Cl. 219-110.000.

Farrow, John F.; and Schulz, David W., 4,885,451, Cl. 219-110.000.

Vanderhelst, Peter W., 4,849,873, Cl. 363-55.000.

Medasonics, Inc.: *See—*

Ingle, Frank W.; and Claude, John P., 4,800,317, Cl. 310-334.000.

Medcalf, Ralph F., Jr.; Visscher, Martha O.; Knochel, John R.; and Dahlgren, Richard M., to Procter & Gamble Company, The. Mild skin cleansing soap bar with hydrated cationic polymer skin conditioner. 4,820,447, 4-11-89, Cl. 252-117.000.

Meddaugh, Michael D.: *See—*

Bajzer, William X.; Bixler, Robert L., Jr.; Meddaugh, Michael D.; and Wright, Antony P., 4,798,818, Cl. 502-228.000.

Klosowski, Jerome M.; and Meddaugh, Michael D., 4,871,827, Cl. 528-17.000.

Klosowski, Jerome M.; and Meddaugh, Michael D., 4,888,404, Cl. 528-15.000.

Medders, Jerry B.: *See—*

Kennon, James A.; Islam, Shafidul; Popken, Jeffrey L.; Medders, Jerry B.; Fitzgerald, Susan S.; Kelley, Donald R.; and Burr, Philip A., 4,812,114, Cl. 425-116.000.

Meddles, Dennis: *See—*

Abramowitz, Howard M.; Carpenter, Jerry R.; and Meddles, Dennis, 4,845,545, Cl. 357-74.000.

Medeco Security Locks, Inc.: *See—*

Hall, Charles E., 4,866,964, Cl. 70-369.000.

Roop, Stevie C., 4,829,798, Cl. 70-379.00R.

Medecs Co., Ltd.: *See—*

Yamanaka, Naoki; and Yoshida, Makoto, 4,863,850, Cl. 435-7.000.

Medero, Richard: *See—*

Hersh, Lawrence T.; Medero, Richard; and Hood, Rush W., Jr., 4,807,631, Cl. 128-633.000.

Medex, Inc.: *See—*

Boiarski, Anthony A., 4,854,321, Cl. 128-634.000.

Frank, Thomas P., 4,852,581, Cl. 128-672.000.

Nicholson, Warren B., 4,883,062, Cl. 128-667.000.

Patton, William E.; and Lindsey, William J., 4,886,507, Cl. 604-284.000.
Medford, George F.: *See—*
Saad, William T.; and Medford, George F., 4,800,127, Cl. 428-447.000.
Medgyesi nee Lukacs, Eva: *See—*
Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
Medi-Tech, Incorporated: *See—*
de Toledo, Fernando A.; and Tripp, Hugh A., 4,830,023, Cl. 128-772.000.
Herms, James K.; Nolan, Gaillard R.; McGrath, Jonathan; and Tolkoff, Mark J, 4,817,600, Cl. 128-303.00R.
Rabinowitz, Dan; and Saeli, John, 4,856,514, Cl. 128-303.140.
Medi-Tech International Corporation: *See—*
Cornell, John, 4,885,161, Cl. 424-78.000.
Media/Graphics, Inc.: *See—*
Nelson, LeRoy O., 4,821,788, Cl. 160-135.000.
Medianik, Anatoly. Fishing rod holder. 4,881,674, 11-21-89, Cl. 224-311.000.
Medica, Frank: *See—*
Aertker, Walter P.; Taylor, William L.; and Medica, Frank, 4,824,408, Cl. 440-6.000.
Medical Concepts Development, Inc.: *See—*
Annett, Leland W., 4,886,165, Cl. 206-370.000.
Medical Concepts, Incorporated: *See—*
Chatenever, David, 4,807,594, Cl. 128-4.000.
Medical Devices Group, Inc.: *See—*
Schaefer, Donald W., 4,850,962, Cl. 600-25.000.
Medical Dynamics, Inc.: *See—*
Bayne, Irman D., 4,873,992, Cl. 128-756.000.
Medical Electronic Imaging Corporation: *See—*
Klostermann, Heinrich F., 4,811,375, Cl. 378-131.000.
Klostermann, Heinrich F., 4,884,292, Cl. 378-127.000.
Medical Engineering Corporation: *See—*
Anderson, Donald L., Jr.; and Maerzke, James T., 4,813,925, Cl. 604-8.000.
Bark, Jeffrey E., 4,832,054, Cl. 128-899.000.
Boeck, Robert F., 4,829,991, Cl. 128-79.000.
Carter, Garry L., 4,863,470, Cl. 623-8.000.
Daly, Mark D.; Maerzke, James T.; Gengler, Jeffrey R.; and Trick, Robert E., 4,823,779, Cl. 128-79.000.
Finney, Roy P., 4,820,262, Cl. 604-8.000.
Goldberg, Jay R.; and Hillegass, Donald V., 4,874,360, Cl. 604-8.000.
Hillegass, Donald V.; and Woodruff, Eric J., 4,817,637, Cl. 128-899.000.
Trick, Robert E., 4,852,555, Cl. 128-79.000.
Trick, Robert E., 4,881,530, Cl. 128-79.000.
Weeks, Vaughan B.; and Bark, Jeffrey E., 4,802,885, Cl. 604-93.000.
Medical Engineering and Development, Inc.: *See—*
Harshe, Bruce L.; and Ashton, Robert H., 4,830,022, Cl. 128-724.000.
Medical Foundation of Buffalo, Inc.: *See—*
Osawa, Yoshio, 4,829,059, Cl. 514-178.000.
Medical Graphics Corporation: *See—*
Snow, Michael G.; Tyler, William R.; Hsu, Sung-Peng; and Fallat, Robert J., 4,796,639, Cl. 128-719.000.
Medical Implements, Inc.: *See—*
Parrish, James M., 4,832,046, Cl. 128-771.000.
Medical Innovations Corporation: *See—*
Park, Harry; and Fishman, Udi, 4,860,742, Cl. 128-303.00R.
Parks, Stephen K., 4,798,592, Cl. 604-49.000.
Medical Inventor's Corp.: *See—*
Flinchbaugh, David E., 4,865,588, Cl. 604-129.000.
Medical Laboratory Automation, Inc.: *See—*
Scordato, Richard E.; and Fried, George, 4,821,586, Cl. 73-864.180.
Medical Microsystems, Inc.: *See—*
Aten, Edward M.; and Parkhurst, Larry E., 4,823,982, Cl. 221-3.000.
Medical Parameters, Incorporated: *See—*
Lynch, Arthur S.; and MacEachern, A. Walter, 4,860,757, Cl. 128-657.000.
Russell, Michael A., 4,857,062, Cl. 604-256.000.
Medical Payment Systems, Incorporated: *See—*
Barber, William B.; Davis, William H.; and Rautenkranz, Karl, 4,858,121, Cl. 364-406.000.
Medical Products Development Inc.: *See—*
Quaid, Joel, 4,889,744, Cl. 427-2.000.
Medical Products & Research: *See—*
Beeuwkes, Reinier, III, 4,872,449, Cl. 128-87.00R.
Medical Research Council: *See—*
Patterson, Roy, 4,802,225, Cl. 381-41.000.
Watson, James V., 4,871,249, Cl. 356-73.000.
Medical Research International Ltd.: *See—*
Skinner, Gordon R. B.; and Buchan, Alexander, 4,857,463, Cl. 435-235.000.
Medical Research Laboratories: *See—*
Milani, Dean L., 4,800,894, Cl. 128-419.00R.
Medical Technology, Inc.: *See—*
Bledsoe, Gary R., 4,817,588, Cl. 128-80.00C.
Bledsoe, Gary R.; Bledsoe, Gregory A.; Bledsoe, Eric N.; Bledsoe, Barry P.; Carlson, Clifford H.; Bledsoe, Clarence E.; Bledsoe, Brett O.; Bledsoe, Blake H.; and Cade, John C., 4,834,073, Cl. 128-25.00B.
Medical Technology Products, Inc.: *See—*
O'Leary, William J.; Hartnett, Thomas J., Jr.; and Jones, Richard G., 4,798,590, Cl. 604-153.000.
Medice Chem.-Pharm. Fabrik Putter GmbH & Co. KG: *See—*
Loew, Dieter; Schuster, Otto; and Lukas, H., 4,877,620, Cl. 424-451.000.
Paradies, Heinrich H., 4,882,435, Cl. 548-127.000.
Paradies, Henrich H., 4,870,174, Cl. 544-273.000.
Paradies, Henrich H., 4,874,850, Cl. 536-3.000.
Paradies, Henrich H., 4,877,883, Cl. 548-375.000.
Putter, Sigurd, 4,834,982, Cl. 424-458.000.
Medich, Peter M.: *See—*
Simon, Robert C., Jr.; O'Connell, Daniel B.; Poirier, David C.; Calkins, John A.; Marsh, Richard A.; Medich, Peter M.; and Mamolen, Richard C., 4,848,189, Cl. 74-872.000.
Medicks, Peter A.: *See—*
Armstrong, L. Lamar; and Medicks, Peter A., 4,814,555, Cl. 200-11.00R.
Medicor USA Ltd.: *See—*
Kasa, Zoltan; and Farkas, Istran, 4,811,374, Cl. 378-96.000.
Medicore, Inc.: *See—*
Chiodo, Daniel J.; and Maggio, Joseph A., 4,844,095, Cl. 128-314.000.
Medicorp Holding S.A.: *See—*
Meyer, Gabriel; and Howald, Ernst, 4,809,711, Cl. 128-766.000.
Medicorp Research Laboratories Corporation: *See—*
Karcher, Gilles; Amor, Max; Niddam, Roger; and Villemot, Jean-Pierre, 4,804,358, Cl. 600-17.000.
Medicotest Systemer A/S: *See—*
Rasmussen, Jan, 4,865,566, Cl. 439-825.000.
Medilase, Inc.: *See—*
Comben, Richard H.; Gilman, Byron L.; and Shturman, Leonid, 4,874,371, Cl. 604-95.000.
MediMatrix: *See—*
Berg, Richard A.; Silver, Frederick H.; and Pachence, James M., 4,837,285, Cl. 530-356.000.
Medin, Gunnar; Olsson, Erik; Sjoo, Lennart; and Lundgren, Roger, to Affarsverket FFV. Reactive armor arrangement. 4,881,448, 11-21-89, Cl. 89-36.020.
Medina, Henry: *See—*
DelGiorno, Daniel; Medina, Henry; and Accolla, William R., 4,805,455, Cl. 73-379.000.
DelGiorno, Daniel; Pellicano, Russell A.; and Medina, Henry, 4,819,485, Cl. 73-379.000.
Medina, Oscar. Unified heliostat array. 4,832,002, 5-23-89, Cl. 126-425.000.
Medinger, Bernhard: *See—*
Bugnon, Philippe; and Medinger, Bernhard, 4,808,230, Cl. 106-483.000.
Bugnon, Philippe; Grubenmann, Arnold; Medinger, Bernhard; and Schaefle, Jean, 4,880,472, Cl. 106-493.000.
Bugnon, Philippe; and Medinger, Bernhard, 4,889,562, Cl. 106-204.000.
von der Crone, Jost; Medinger, Bernhard; and Bugnon, Philippe, 4,865,650, Cl. 106-494.000.
MedInnovations, Inc.: *See—*
Fischell, Robert E.; and Fischell, Tim A., 4,886,061, Cl. 128-305.000.
Medinvent S.A.: *See—*
Gogolewski, Sylwester, 4,834,747, Cl. 623-1.000.
Imbert, Christian, 4,875,480, Cl. 128-343.000.
Wallsten, Hans I.; and Imbert, Christian, 4,848,343, Cl. 128-343.000.
Mediolanum Farmaceutici Srl: *See—*
Del Bono, Rinaldo; De Ambrosi, Luigi; Ferrari, Gianni; Rogari, Pier L.; and Pagella, Pier G., 4,870,166, Cl. 536-21.000.
Fravolini, Arnaldo; Terni, Patrizia; and Pagella, Piergiuseppe, 4,868,299, Cl. 544-32.000.
Medioni, Gerard G. R.; Wilson, Monti R.; Prohaska, Timothy F.; and Poretta, Lynn R., to Opti-Copy, Inc. Method and apparatus for registering color separation film. 4,849,914, 7-18-89, Cl. 364-526.000.
Medisense, Inc.: *See—*
Armstrong, Fraser A.; and Lannon, Anthony M., 4,857,152, Cl. 204-1.00T.
Armstrong, Frazer A.; Oliver, Brian N.; and Hill, Hugh A. O., 4,836,904, Cl. 204-294.000.
Green, Monika J.; and Lias, Roger J., 4,876,205, Cl. 436-66.000.
Hill, Hugh A. O.; and Green, Monika J., 4,820,636, Cl. 435-14.000.
Hill, Hugh A. O.; and Libor, Susan I., 4,840,893, Cl. 435-6.000.
McNeil, Calum J.; and Bannister, Joseph V., 4,830,959, Cl. 435-7.000.
Meditech Pharmaceuticals, Inc.: *See—*
Michaelson, Joseph B., 4,810,707, Cl. 514-277.000.
Meditrol, Inc.: *See—*
Halvorson, Jerry L., 4,847,764, Cl. 364-413.020.
Meditz, Reinhold: *See—*
Gabriel, William L.; and Meditz, Reinhold, 4,877,135, Cl. 206-344.000.
Mediverse Inc.: *See—*
Mathiesen, George E.; and Mayo, Charles H., II, 4,861,338, Cl. 604-110.000.
Medlar, Steven J.: *See—*
Goodrich, James A.; and Medlar, Steven J., 4,871,450, Cl. 210-151.000.

Medlen, Lester R.: *See—*
Beaver, Robert A.; Johnson, Leonard L.; and Medlen, Lester R., 4,860,648, Cl. 101-35.000.
Medley, Frank W., III. Fluid filter having separable elements and removable end closures. 4,802,979, 2-7-89, Cl. 210-132.000.
Medley, Frank W., III. Filter with high pressure indicator. 4,818,385, 4-4-89, Cl. 210-90.000.
Medley, Jackson C., to Kress Corporation. Suspension system for vehicles. 4,872,702, 10-10-89, Cl. 280-708.000.
Medlicott, Philip A. C., to British Petroleum Company p.l.c. Energy storage flywheel. 4,821,599, 4-18-89, Cl. 74-572.000.
Medlin, Lewis B., Jr. Low voltage bracket. 4,863,399, 9-5-89, Cl. 439-538.000.
Medlin, W. L., to Mobil Oil Corporation. Method of shear wave porosity logging of a subsurface formation surrounding a cased well. 4,843,598, 6-27-89, Cl. 367-27.000.
Medline Industries, Inc.: *See—*
Mark, Irving L.; and Soni, Varun, 4,852,597, Cl. 135-69.000.
Medlock, Danny H. Refrigeration apparatus having a heat exchanger pre-cooling element. 4,823,561, 4-25-89, Cl. 62-513.000
Medlock, Delmar W., to Ransburg Corporation. Multiple mode regulator. 4,828,218, 5-9-89, Cl. 251-26.000.
Medlock, James R., III: *See—*
Rozanski, Robert D.; Medlock, James R., III; and Larson, Stephen F., 4,875,137, Cl. 361-331.000.
Mednick, Elliot H.: *See—*
George, Paul L · Waxman, David M.; Sybel, Randall T.; Mednick, Elliot H.; O'Brien, Kevin J.; and Spatara, Joseph M., 4,888,691, Cl. 364-300.000.
Medora, Noshirwan K.: *See—*
Kusko, Alexander; and Medora, Noshirwan K., 4,853,598, Cl. 315-101.000.
Medosan Indusrie Biochemiche Riunite S.p.A: *See—*
Anzalone, Sergio, 4,810,696, Cl. 514-59.000.
Medrad, Inc.: *See—*
Evans, Russell M., III; Machek, James E.; and Cowan, Kevin P., 4,854,330, Cl. 128-772.000.
Hirschman, Alan D.; Reilly, David M.; Potter, Ross H.; Stulen, John; Toft, Eric M.; and Clark, John G., 4,854,324, Cl. 128-655.000.
Machek, James E.; and Rhinehart, Edward J., 4,834,112, Cl. 128-777.000.
Uber, Arthur E., III, 4,804,847, Cl. 250-389.000.
Medtex Products, Inc.: *See—*
Foxman, Charles, 4,833,731, Cl. 2-48.000.
Foxman, Charles, 4,844,965, Cl. 428-91.000.
Foxman, Charles, 4,846,822, Cl. 604-370.000.
Foxman, Charles, 4,847,133, Cl. 428-91.000.
Medtronic, Inc.: *See—*
Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,807,629, Cl. 128-419.0PG.
Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,813,421, Cl. 128-633.000.
Coury, Arthur J.; Hobot, Christopher M.; and Carlson, Kurt, 4,873,308, Cl. 528-75.000.
Coury, Arthur J.; and Hobot, Christopher M., 4,883,854, Cl. 528-28.000.
Fogt, Eric J.; Norenberg, Marye S.; Untereker, Darrel F.; and Coury, Arthur J., 4,846,182, Cl. 128-632.000.
Holleman, Timothy W.; Sandstrom, Richard; Rugland, Roger; and Williams, Terrell M., 4,817,634, Cl. 128-784.000.
Johnson, Keith M., 4,808,180, Cl. 623-2.000.
Khalafalla, Aida S., 4,813,952, Cl. 623-3.000.
Lessar, Joseph F.; Rosenberg, Duane L.; Kraska, Robert E.; Speckien, James M.; and Upton, James E., 4,860,446, Cl. 29-858.000.
Penny, William H., III; Rosen, Jonathan J.; and Acosta, George M., 4,816,029, Cl. 623-2.000.
Spevak, Richard; Lattin, Gary A.; and Jevne, Allan H., 4,820,263, Cl. 604-20.000.
Wiktor, Dominik M., 4,886,062, Cl. 128-343.000.
Medtronic Versaflex, Inc.: *See—*
Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, 4,813,434, Cl. 128-772.000.
Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, 4,815,478, Cl. 128-772.000.
Meduri, Gianfranco U.: *See—*
Conoscenti, Craig S.; Gandi, Robert A.; Meduri, Gianfranco U.; and Ostrowski, David S., 4,886,496, Cl. 604-96.000.
Medved, Gary E.: *See—*
Lovell, John A.; Medved, Gary E.; and White, John R., 4,859,272. Cl. 156-415.000.
Medvick, Richard J., to Swagelok Quick-Connect Co. Bulkhead mounting for fluid fittings. 4,828,296, 5-9-89, Cl. 285-158.000.
Medvinsky, Boris; and Radomyshelsky, Leonid, to Tri Electronics Company, Inc. Dynamic precious metal assay method. 4,799,999, 1-24-89, Cl. 204-1.00T.
Medwid, Jeffrey B.; and Torley, Lawrence W., to American Cyanamid Company. Substituted benzimidazoles and benzothidiazoles having anti-asthmatic and/or anti-inflammatory activities. 4,808,586, 2-28-89, Cl. 514-254.000.
Medwid, Jeffrey B.; Torley, Lawrence W.; and Tomcufcik, Andrew S., to American Cyanamid Company. Substituted piperazine-1,4-naphthalenediones useful as anti-asthmatic agents. 4,829,089, 5-9-89, Cl. 514-649.000.
Medwin, Steven J., to Du Pont de Nemours, E. I., and Company. Method for simulating layup of prepreg materials for three-dimensional molding of composite parts. 4,853,868, 8-1-89, Cl. 364-476.000.
Mee, William: *See—*
Hassel, William; and Mee, William, 4,811,742, Cl. 128-733.000.
Meece, Meredith W.: *See—*
Prien, Walter F.; Meece, Meredith W.; and Bolthouse, John H., II, 4,822,254, Cl. 417-368.000.
Meehan, Adrian P.; and Ash, Vernon R., to Rentokil Limited. Pest monitoring system. 4,862,145, 8-29-89, Cl. 340-573.000.
Meehan, Adrian P., to Rentokil Limited. Intruder detection and control apparatus. 4,884,064, 11-28-89, Cl. 340-573.000.
Meehan, Jeffrey, to Napco, Inc. Multi-canister, externally-connected ion removal system. 4,855,046, 8-8-89, Cl. 210-232.000.
Meehan, Kathleen: *See—*
Watson, George P.; and Meehan, Kathleen, 4,797,179, Cl. 156-647.000.
Meehan, Kermit E.; Nichols, William T.; Meehan, Timothy S.; and Essig, Robert A. Refrigeration system for product display enclosures. 4,882,910, 11-28-89, Cl. 62-256.000.
Meehan, Timothy S.: *See—*
Meehan, Kermit E.; Nichols, William T.; Meehan, Timothy S.; and Essig, Robert A., 4,882,910, Cl. 62-256.000.
Meek, Catharine F.: *See—*
Meek, Nigel W., 4,832,267, Cl. 239-675.000.
Meek, D. Harper: *See—*
Meyer, Bernard H.; Kinslow, Joseph C.; Arch, Paul E.; and Meek, D. Harper, 4,853,445, Cl. 526-190.000.
Meek, James F., to Sandvik Rock Tools, Inc. Spline drive for percussion drilling tool. 4,862,976, 9-5-89, Cl. 175-296.000.
Meek, James L.: *See—*
Hobbs, Frank W.; and Meek, James L., 4,873,355, Cl. 558-161.000.
Meek, John R. Panel module. 4,845,907, 7-11-89, Cl. 52-177.000.
Meek, Nigel W., to Meek, Catharine F. Apparatus for dispensing material. 4,832,267, 5-23-89, Cl. 239-675.000.
Meek, Nigel W.: *See—*
Frogbrook, Kenneth H. L.; and Meek, Nigel W., 4,838,016, Cl. 56-341.000.
Meek, Robert A.: *See—*
Laster, Stanley J.; Meek, Robert A.; and Shirley, Thomas E., 4,860,265, Cl. 367-73.000.
Laster, Stanley J.; Meek, Robert A.; and Shirley, Thomas E., 4,884,248, Cl. 367-73.000.
Meek, Thomas T.: *See—*
Holcombe, Cressie E.; Dykes, Norman L., and Meek, Thomas T., 4,880,578, Cl. 264-26.000.
Sheinberg, Haskell; Meek, Thomas T.; and Blake, Rodger D., 4,857,266, Cl. 419-22.000.
Meeker, Paul K., to Spalding & Evenflo Companies, Inc. Child safety seat. 4,826,246, 5-2-89, Cl. 257-250.000.
Meeker, Rick A.: *See—*
Roberts, Gary F.; and Meeker, Rick A., 4,875,601, Cl. 222-145.000.
Meeker, Robert L.; and Crouch, William M. Golf swing guide. 4,815,743, 3-28-89, Cl. 273-183.00B.
Meelhuysen, Edgar R., to EMP Connectors, Inc. Transient suppression connector with filtering capability. 4,846,732, 7-11-89, Cl. 439-620.000.
Meendering, Allan W. Livestock building ventilator. 4,811,656, 3-14-89, Cl. 98-37.000.
Meenen, Raymond P., Jr., to Grumman Aerospace Corporation. Sidestick flight control simulator. 4,861,269, 8-29-89, Cl. 434-45.000.
Meer, Jeffrey A. Method and system for treatment of sleep apnea. 4,830,008, 5-16-89, Cl. 128-421.000.
Meerholz, Clive A.: *See—*
Barrett, Roger; Meerholz, Clive A.; and Judkins, Brian D., 4,835,278, Cl. 546-239.000.
Meerkotter, Klaus; and Kunold, Ingo, to Blaupunkt-Werke GmbH. Corrective digital filter providing subdivision of a signal into several components of different frequency ranges. 4,827,443, 5-2-89, Cl. 364-724.140.
Meerman, Wilhelmus C. P. M., to U.S. Philips Corp. Method of densifying a preformed porous body of a material the main constituent of which is SiO_2. 4,857,092, 8-15-89, Cl. 65-18.400.
Meermans, Matheus J. M., to U.S. Philips Corporation. Magnetic-tape cassette and tape-pressure member for use in such a cassette. 4,860,967, 8-29-89, Cl. 242-199.000.
Meermoller, Theodor, to Westfalia Separator AG. Teat cup for milking systems. 4,846,108, 7-11-89, Cl. 119-14.470.
Meerovich, Valery I.: *See—*
Novikov, Alexei E.; Putan, Leonid A.; Meerovich, Valery I.; Semizelnikov, Anatoly N.; and Pokatilov, Vladimir P., 4,835,470, Cl. 324-213.000.
Meertens, Harm, to Vereniging Het Nederlands Kankerinstituut. Image-detector for high energy photon beams. 4,810,893, 3-7-89, Cl. 250-385.100.
Meertens, Johannes B.: *See—*
Palm, Erich J.; and Meertens, Johannes B., 4,835,668, Cl. 363-21.000.
Mees, Bernhard: *See—*
Jaeckel, Lothar; Kleber, Rolf; and Mees, Bernhard, 4,883,495, Cl. 8-115.600.
Meessen, Jozef H.; and Sipkema, Rudolf, to Stamicarbon B.V. Improved process for the preparation of urea. 4,801,745, 1-31-89, Cl. 564-70.000.

Meessen, Lodewijk H. M.: *See—*
  Antonis, Petrus H.; Meessen, Lodewijk H. M.; and Schafer, Ralf, 4,795,943, Cl. 313-620.000.
Mefferd, Roy J., to Micro Specialties Co., Inc. Tube auger sections. 4,821,818, 4-18-89, Cl. 175-323.000.
Mefferd, Wayne S., to Coherent, Inc. Kinematic resonator support. 4,818,069, 4-4-89, Cl. 350-634.000.
Meffert, Alfred; Giesen, Brigitte; Syldatk, Andreas; Wegener, Ingo, and Fues, Johann F., to Henkel Kommanditgesellschaft auf Aktien. Laundry detergents and cleaners with reduced requirement for conventional chemicals. 4,830,784, 5-16-89, Cl. 252-547.000.
Meffert, Alfred; Syldatk, Andreas; and Fues, Johann F., to Henkel Kommanditgesellschaft auf Aktien. Process for cleaning soiled solid molded articles. 4,863,523, 9-5-89, Cl. 134-1.000.
Meffert, Alfred; and Kluth, Hermann, to Henkel Kommanditgesellschaft auf Aktien. Process for the preparation of modified triglycerides. 4,886,893, 12-12-89, Cl. 549-562.000.
Meffert, Alfred: *See—*
  Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
  Hoefer, Rainer; Gruber, Bert; Meffert, Alfred; and Gruetzmacher, Roland, 4,826,944, Cl. 528-49.000.
  Schmid, Karl H.; Meffert, Alfred; and Lange, Fritz, 4,832,868, Cl. 252-356.000.
  Wegener, Ingo; Meffert, Alfred; and Kischkel, Ditmar, 4,820,448, Cl. 252-533.000.
  Wegener, Ingo; Giesen, Brigitte; Meffert, Alfred; Werner, Claus; Hennen, Udo; and Hormes, Marlene, 4,861,508, Cl. 252-121.000.
  Zeidler, Ulrich; and Meffert, Alfred, 4,888,437, Cl. 558-105.000.
Mefford, David R.: *See—*
  Baker, Gerald S.; and Mefford, David R., 4,827,963, Cl. 137-75.000.
Mefina S.A.: *See—*
  Golay, Jean-Pierre; and Gabnebin, Pierre L., 4,831,934, Cl. 102-209.000.
  Hochstrasser, Walter P.; Roch, Gertrud B.; Venturini, Yves; and Baruffa, Olindo, 4,809,450, Cl. 38-36.000.
Meg Trans Corp.: *See—*
  Wetzel, Donald C.; and Livsey, Robert A., 4,862,094, Cl. 324-500.000.
Mega, Christopher A.: *See—*
  Ellis, Ronald M., Jr.; Wiesler, Oren L.; and Mega, Christopher A., 4,890,225, Cl. 364-200.000.
Mega/Erg Inc.: *See—*
  Diskin, Steve; and Lerner, Lawrence, 4,849,862, Cl. 362-96.000.
  Diskin, Steve; and Lerner, Lawrence, 4,867,764, Cl. 55-126.000.
Mega Plast product- u. Verpackungsentwicklung Marketing Gesellschaft mit beschrankter Haftung & Co.: *See—*
  Meckenstock, Fritz, 4,819,836, Cl. 222-386.000.
  Meckenstock, Fritz, 4,858,788, Cl. 222-207.000.
  von Schuckmann, Alfred, 4,846,372, Cl. 222-136.000.
Megahed, El-Sayed: *See—*
  Schaller, David R.; Megahed, El-Sayed; Neyer, James; and Petterson, Tor, 4,803,605, Cl. 362-184.000.
  Schaller, David R.; Megahed, El-Sayed; and Samson, Charles E., 4,855,647, Cl. 315-209.00R.
Megahed, El-Sayed A.; and Fung, Alexander K., to Rayovac Corporation. AgO cathode material. 4,835,077, 5-30-89, Cl. 429-219.000.
Megamation Incoporated: *See—*
  Hutchinson, James; Hoffman, Brian, and Pollack, Steven, 4,875,275, Cl. 29-568.000.
Megamation, Incorporated: *See—*
  Hoffman, Brian D.; and Pollack, Stephen H., 4,823,062, Cl. 318-687.000.
  Hoffman, Brian D.; and Pollack, Steven, 4,835,424, Cl. 310-12.000.
  Hoffman, Brian D., 4,867,595, Cl. 403-13.000.
  Hoffman, Brian D.; and Pollack, Steven H., 4,890,241, Cl. 364-513.000.
Megapulse, Inc.: *See—*
  Enge, Per, 4,800,391, Cl. 342-387.000.
  Enge, Per, 4,821,038, Cl. 342-390.000.
Megarry, Thomas J., to Short Brothers plc. Method and apparatus for molding fiber reinforced resin matrix composite material. 4,882,118, 11-21-89, Cl. 264-510.000.
Megascan Technology, Inc.: *See—*
  Ballard, Robert S.; and Clark, Steven D., 4,845,640, Cl. 364-518.000.
Megatek Corporation: *See—*
  Burke, Gregory M.; and Jones, Michael E., 4,808,988, Cl. 340-744.000.
  Oakley, David; and Parsons, Donald I., 4,843,360, Cl. 340-723.000.
Megatest Corporation: *See—*
  Magliocco, Paul D.; and Bristow, Steven R., 4,809,221, Cl. 364-900.000.
  Swan, Richard; Catalano, Mike; and Feldman, Richard, 4,806,852, Cl. 324-73.00R.
Megatone Ltd.: *See—*
  Weiner, Avish J., 4,824,375, Cl. 434-319.000.
Megatronics, Incorporated: *See—*
  Maring, Richard B.; and Shoemaker, Martin L., 4,812,904, Cl. 358-107.000.
Megaw, John H. P. C.: *See—*
  Bransden, Antony S.; Megaw, John H. P. C.; Terry, Malcolm J.; and Ward, Brooke A., 4,874,919, Cl. 219-121.680.

Megee, Bryan A.; and Whiteside, James D., II, to Philips Petroleum Co. Apparatus for controlling the pressure of gases flowing through a conduit. 4,860,783, 8-29-89, Cl. 137-268.000.
Megginson, George W.: *See—*
  Redenbarger, Philip D.; and Megginson, George W., 4,887,696, Cl. 188-73.450.
Meghnot, Rupert L. A. Adjustable holder for TV, stereo and VCR remote control units. 4,848,609, 7-18-89, Cl. 211-13.000.
Meglino, Don A. Slat retaining means for chain link fences. 4,836,50 6-6-89, Cl. 256-34.000.
Megumi Ide: *See—*
  Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.
Meguro, Hideo: *See—*
  Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Morishita, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.
Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, to Sony Corporation. Magnetic tape cassette with tape protective closure and lock mechanism. 4,843,510, 6-27-89, Cl. 360-132.000.
Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, to Sony Corporation. Magnetic tape cassette with tape protective closure and lock mechanism. 4,881,137, 11-14-89, Cl. 360-96.500.
Meguro, Jun-ichi; and Nicolaisen, Curtis J., to Baxter International Inc. Apparatus and process for manufacturing cuvetter belts. 4,853,09 8-1-89, Cl. 156-157.000.
Meguro, Kanji; Fujita, Takeshi; Hatanaka, Chitoshi; and Ooi, Satoru, to Takeda Chemical Industries, Ltd. Method for producing thiazolidinedione derivatives. 4,812,570, 3-14-89, Cl. 546-280.000.
Meguro, Kazuhisa; and Ono, Yuichi, to Toyota Jidosha Kabushiki Kaisha. Device for detecting an abnormality of a rotation sensor 4,805,447, 2-21-89, Cl. 73-121.000.
Meguro, Kazunori: *See—*
  Ito, Toshiaki; Yamaguchi, Masayoshi; and Meguro, Kazunori, 4,810,526, Cl. 427-50.000.
Meguro, Kenjiro; and Yokouchi, Atsushi, to Nippon Seiko Kabushiki Kaisha. Electrically conductive ferrofluid composition. 4,867,91 9-19-89, Cl. 252-519.000.
Meguro, Noriaki: *See—*
  Tokunaga, Masaaki; Kogure, Hiroshi; Meguro, Noriaki; and Hi Chitoshi, 4,814,139, Cl. 419-12.000.
  Tokunaga, Masaaki; Endoh, Minoru; Meguro, Noriaki; and Tanigawa, Shigeho, 4,888,068, Cl. 148-104.000.
Meguro, Satoshi: *See—*
  Ikeda, Shuji; and Meguro, Satoshi, 4,828,629, Cl. 148-33.300.
  Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, 4,841,481, Cl. 365-154.000.
  Ikeda, Shuji; Nagasawa, Kouichi; Meguro, Satoshi; and Yamamoto, Sho, 4,890,148, Cl. 357-45.000.
  Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Morishita, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.
  Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.
  Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamura, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Morimoto, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.
Meguro, Taiichi: *See—*
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Meguro, Takashi: *See—*
  Miyauchi, Mikiyoshi; Meguro, Takashi; Serizawa, Hisao; and Kusanagi, Hiroaki, 4,851,267, Cl. 427-357.000.
  Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.
Megusar, Janez; and Grant, Nicholas J., to Massachusetts Institute of Technology. Method of producing titanium-modified austenitic steel having improved swelling resistance. 4,865,652, 9-12-89, Cl. 148-3.000.
Megusar, Janez; Harling, Otto K.; and Grant, Nicholas J., to Megusar, Janez. Method for improving performance of irradiated structural materials. 4,885,128, 12-5-89, Cl. 376-463.000.
Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, to Richter Gedeon Vegyeszeti Gyar Rt. Process for the preparation of 2-halogenated ergoline derivatives. 4,816,5 3-28-89, Cl. 544-346.000.
Megyeri, Gabor: *See—*
  Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo, 4,859,682, Cl. 514-288.000.
Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, to Magyar Szenhidrogenipari Kutato-Fejlesztö Intezet; and Koolaj es Foldgazbanyaszati Vallalat. Process for increasing the yield of oil reservoirs. 4,844,155, 7-4-89, Cl. 166-261.000.
Mehadji, Kada. Process and system for the relative positioning of two optical fibers with a view to forming an optical link between them. 4,825,092, 4-25-89, Cl. 250-561.000.

Mehan, Ashok K.; and Lunk, Hans E., to Raychem Corporation. Metal conductors with improved solderability. 4,876,116, 10-24-89, Cl. 427-118.000.
Mehan, Richard L., to General Electric Company. Method of forming turbine blades with abradable tips. 4,854,196, 8-8-89, Cl. 76-101.00R.
Mehdizadeh, Mehrdad; Patrick, John L.; and Misic, George J., to Picker International, Inc. Transverse field limited localized coil for magnetic resonance imaging. 4,841,248, 6-20-89, Cl. 324-318.000.
Mehdizadeh, Mehrdad; Patrick, John L.; and Misic, George J., to Picker International, Inc. Precision electrical adjustment of quadrature coil isolation. 4,879,516, 11-7-89, Cl. 324-318.000.
Mehdizadeh, Mehrdad: *See—*
  Misic, George J.; Holland, G. Neil; Mehdizadeh, Mehrdad; and Patrick, John L., 4,839,594, Cl. 324-318.000.
Mehl, Dietholf: *See—*
  Stoeffler, Albert; Mehl, Dietholf; and Schneider, Hans, 4,823,946, Cl. 206-221.000.
Mehl, Donald N. Method of lining bait. 4,881,337, 11-21-89, Cl. 43-4.000.
Mehl, Jack J.; Wasek, Raymond T.; and Desai, Jay, to Becton, Dickinson and Company. Package including syringe and needle. 4,886,071, 12-12-89, Cl. 128-760.000.
Mehlberg, Robert L., to Amoco Corporation. Method for stripping of residual solvent. 4,802,975, 2-7-89, Cl. 208-390.000.
Mehlert, Martin: *See—*
  Adrian, Willy; and Mehlert, Martin, 4,836,353, Cl. 198-335.000.
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Mehlhorn, Heinz; and Schmahl, Gunter, to Bayer Aktiengesellschaft. Agents against fish parasites. 4,826,842, 5-2-89, Cl. 514-241.000.
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  Garrett, Roger E.; Smith, Nelson E., Jr.; and Mehlschau, James J., 4,806,357, Cl. 427-4.000.
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Mehra, Ravinder C., to Nalge Company. Bottle closure assembly. 4,858,776, 8-22-89, Cl. 215-270.000.
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Mehren, Herbert: *See—*
  Christ, Hubertus; Niemann, Klaus; and Mehren, Herbert, 4,836,475, Cl. 246-169.00R.
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  Eringhausen, Friedrich; and Mehrens, Jens D., 4,795,981, Cl. 324-454.000.

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Mehta, Gunvant N.; Wertan, Dennis J.; and Grim, Wayne M., to Rorer Pharmaceutical Corporation. Pharmacological dissolution method and apparatus. 4,856,909, 8-15-89, Cl. 366-208.000.
Mehta, Jairaj U.: *See—*
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Mehta, Jitesh R.; Burkman, Don C.; and Mezaki, Cooky, to FSI Corporation. Apparatus and process for static drying of substrates. 4,816,081, 3-28-89, Cl. 134-30.000.
Mehta, Kunj R.; Lehew, Richard A.; Reedy, James D.; Farris, David D.; and Austin, Paul E., to Union Carbide Corporation. Process for the preparation of siloxane-oxyalkylene copolymers. 4,847,398, 7-11-89, Cl. 556-445.000.
Mehta, Mahendra, to Mead Corporation, The. Decorative laminates having 3-dimensional effect. 4,888,220, 12-19-89, Cl. 428-15.000.
Mehta, Mahendra C., to Northern Telecom Limited. Mounting of semiconductor chips on a plastic substrate. 4,814,295, 3-21-89, Cl. 437-209.000.
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  Ellis, Beth-Jayne; Obenchain, Frederick; and Mehta, Raj, 4,824,671, Cl. 424-195.100.
Mehta, Rajendra K., to Air Products and Chemicals, Inc. Hot-fillable plastic containers. 4,880,675, 11-14-89, Cl. 428-35.700.
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Mehta, Reeta: *See—*
  Lopez-Berestein, Gabriel; Mehta, Reeta; Hopfer, Roy L.; and Juliano, Rudolph L., 4,812,312, Cl. 424-417.000.
Mehta, Satish. Emotional gift or greeting device in the stylized representation of a human heart. 4,811,506, 3-14-89, Cl. 40-427.000.
Mehta, Surendra C.: *See—*
  Song, Suk-Zu; Rashidbaigi, Zahra A.; Mehta, Surendra C.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,814 173, Cl. 424-444.000.
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Mehta, Umesh J.: *See—*
  Church, John A.; and Mehta, Umesh J., 4,839,081, Cl. 252-108.000.
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  Kromrey, Edward P.; and Mehus, Richard J., 4,802,630, Cl. 239-428.000.
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Mei San Co., Ltd.: *See—*
  Tahara, Yoshinori, 4,844,371, Cl. 242-75.440.
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Meicher, Joachim, to VDO Adolf Schindling AG. System for regulating the idling speed of rotation of an internal combustion engine. 4,887,570, 12-19-89, Cl. 123-339.000.

Meichi, Mitsuo: *See—*
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.

Meichsner, Walter; Gmohling, Werner; Tutte, Manfred; and Peters, Karl-Heinz, to Thyssen Stahl AG; and SKW Trostberg Aktiengesellschaft. Process for desulfurizing molten iron. 4,832,739, 5-23-89, Cl. 75-58.000.

Meidl, John A., to Zimpro/Passavant Inc. Process for treatment of water containing volatile and toxic compounds. 4,857,198, 8-15-89, Cl. 210-603.000.

Meier, Arnold: *See—*
Ackermann, Ulrich; Faller, Kurt; Guzek, Krzysztof; and Meier, Arnold, 4,839,482, Cl. 200-148.00B.

Meier, Bert: *See—*
Jellinek, Karl; Meier, Bert; Herzog, Rolf; and Reinsch, Gunter, 4,831,101, Cl. 528-87.000.
Jellinek, Karl; Meier, Bert; and Zehrfeld, Jurgen, 4,839,229, Cl. 428-413.000.

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Sawicki, Wolfgang H.; Svensson, Tomas L.; Weck, Bernd K.; and Meier-Dornberg, Karl E., 4,884,461, Cl. 73-862.060.

Meier, Eric A., to National Starch and Chemical Corporation. Process for the preparation of isophthaladehyde. 4,845,305, 7-4-89, Cl. 568-436.000.

Meier, Ernst, to Swiss Aluminium Ltd. Process for removing alkali and alkaline earth elements from aluminum melts. 4,832,740, 5-23-89, Cl. 75-68.00R.

Meier, Erwin, to BBC Brown, Boveri & Company, Ltd. Internal combustion engine supercharged by means of an exhaust gas turbocharger. 4,833,886, 5-30-89, Cl. 60-602.000.

Meier, Frankie G.: *See—*
Billings, Robert L.; Bowers, Mark A.; and Meier, Frankie G., 4,797,541, Cl. 235-449.000.

Meier, G. Weston: *See—*
Higby, Edwin A.; Meier, G. Weston; and Fife, Breck D., 4,870,705, Cl. 2-2.000.

Meier, Gary A.; Sieburth, Scott M.; Cullen, Thomas G.; and Engel, John F., to FMC Corporation. Insecticidal cyclopropyl-substituted di(aryl) compounds. 4,808,762, 2-28-89, Cl. 514-336.000.

Meier, Gerd; and Laake, Andreas, to Max-Planck-Gesellschaft Zur Forderung der Wissenchaften E.V. Process and a device for hydrodynamic sound pulse generation in a liquid. 4,811,815, 3-14-89, Cl. 181-120.000.

Meier, Hans; and Aussenberg, Nash, to Automated Medical Products, Corporation. Retaining device for a surgical instrument. 4,796,846, 1-10-89, Cl. 248-286.000.

Meier, Hans-Jurgen, to Carl-Zeiss-Stiftung. Arrangement for connecting bodies wherein thermally-related constraining forces on the bodies are minimized. 4,826,303, 5-2-89, Cl. 350-609.000.

Meier, Hans R.; and Evans, Samuel, to Ciba-Geigy Corporation. N-substituted tetrahydroquinolines for use as antioxidants in lubricants. 4,828,741, 5-9-89, Cl. 252-51.50R.

Meier, Hans R.: *See—*
Rasberger, Michael; Hofmann, Peter; Meier, Hans R.; and Dubs, Paul, 4,798,822, Cl. 546-15.000.
Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger; and Luisoli, Reto, 4,874,885, Cl. 560-15.000.

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Meier, Hans-Rudolf: *See—*
Rosenberger, Siegfried; and Meier, Hans-Rudolf, 4,855,345, Cl. 524-120.000.
Stegmann, Werner; Troxler, Eduard; Hofmann, Peter; Meier, Hans-Rudolf; and Dubs, Paul, 4,863,982, Cl. 524-101.000.

Meier, Hans-Ulrich: *See—*
Gobel, Armin; Graff, Knut; Meier, Hans-Ulrich; and Patzschke, Hans-Peter, 4,880,867, Cl. 524-507.000.

Meier, Heinz P.: *See—*
Harder, Christoph S.; Jaeckel, Heinz; and Meier, Heinz P., 4,805,179, Cl. 372-47.000.

Meier, Helmut-Martin; Kloker, Werner; and Sickert, Armin, to Bayer Aktiengesellschaft. 1,7,9,15-tetraoxa-4,12-diaza-8-silaspiro-(7.7)-pentadecanes, a process for their preparation and their use. 4,868,320, 9-19-89, Cl. 556-408.000.

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Meier, Hermann, to Berndorf Luzern AG. Apparatus for cooling, storing and inductively reheating complete meals. 4,881,590, 11-21-89, Cl. 165-48.100.

Meier, Jacques, to Ferag AG. Method and apparatus for the further processing of a packaging line. 4,841,714, 6-27-89, Cl. 53-429.000.

Meier, James A.: *See—*
Hodek, Robert B.; Meier, James A.; Jones, James E.; and Seiner, Jerome A., 4,807,419, Cl. 52-788.000.

Meier-Krug, Ursula: *See—*
Soldanski, Heinz; Holdt, Bernd-Dieter; Keup, Petra; and Meier-Krug, Ursula, 4,834,900, Cl. 252-88.000.

Meier, Kurt, to Ciba-Geigy Corporation. Process for preparing metallocene complexes. 4,868,288, 9-19-89, Cl. 534-15.000.

Meier, Kurt: *See—*
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Hunkeler, Walter; Kyburz, Emilio; and Meier, Marc, 4,863,920, Cl. 514-219.000.

Meier, Otto; Sadek, Kurt; Sikoronja, Zvonko; and Schroder, Johann, to U.S. Philips Corp. Discoid cold cartridge insertable into an ice-cream maker. 4,799,364, 1-24-89, Cl. 62-342.000.

Meier, Patricia A.; Meier, W. Jeff; and Woodland, Brent J., to Conoco Inc. Fractionating column control apparatus and methods. 4,889,600, 12-26-89, Cl. 203-2.000.

Meier, Paul, to Elpatronic, AG. Sizing tool for a machine for the longitudinal seam welding of rounded can bodies. 4,865,243, 9-12-89, Cl. 228-15.100.

Meier, Richard R., Jr. Scissors with hair holding clamp. 4,850,110, 7-25-89, Cl. 30-135.000.

Meier, Rolf, to Mitel Corporation. Compensation circuit for use with an integrating amplifier. 4,800,586, 1-24-89, Cl. 379-399.000.

Meier, Stefan: *See—*
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Meier, W. Jeff: *See—*
Meier, Patricia A.; Meier, W. Jeff; and Woodland, Brent J., 4,889,600, Cl. 203-2.000.

Meier, Webster B.: *See—*
Garverick, Timothy L.; Yazdy, Farid A.; Henderson, Richard D.; and Meier, Webster B., 4,887,240, Cl. 361-222.000.

Meier, Werner A.; and Voogt, Stratford. Automotive alternator power generator for welding or use of power tools. 4,853,557, 8-1-89, Cl. 307-10.100.

Meier, Willy, to Fabrique Ebel, Societe Anonyme. Reverser mechanism for an automatic winding arrangement. 4,809,250, 2-28-89, Cl. 368-208.000.

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Gacsay, Lorant; and Meierhofer, Beat, 4,875,506, Cl. 139-450.000.

Meighen, Terrence: *See—*
Philippson, Walter M.; Brennan, Robert J.; and Meighen, Terrence, 4,889,503, Cl. 439-610.000.

Meijboom, Nicolaas: *See—*
Van Doorn, Johannes A.; Drent, Eit; Van Leeuwen, Petrus W. N. M.; Meijboom, Nicolaas; Van Oort, Aart B.; and Wife, Richard L., 4,855,399, Cl. 528-392.000.
van Doorn, Johannes A.; Snel, Johannes J. M.; Meijboom, Nicolaas; and Wife, Richard L., 4,880,900, Cl. 528-392.000.
Van Doorn, Johannes A.; and Meijboom, Nicolaas, 4,889,956, Cl. 568-13.000.

Meijer, John; Torenbeek, Reinder; and van den Berg, Rolf H., to Akzo N.V. Process for the preparation of diperoxydodecanedioic acid-containing agglomerates and compositions in which these agglomerates are used as bleaching component. 4,818,425, 4-4-89, Cl. 252-94.000.

Meijer, John, to Akzo N.V. t-Alkenyl peroxy esters and their use as initiators and curing agents. 4,837,287, 6-6-89, Cl. 526-231.000.

Meijer, Robert S., to Fisher Scientific Company. Power supply with improved switching regulator. 4,859,927, 8-22-89, Cl. 323-284.000.

Meijer, Roelf J., to Stirling Thermal Motors, Inc. Combination gas combuster and heat pipe evaporator device. 4,825,814, 5-2-89, Cl. 122-366.000.

Meijer, Roelf J.; and Ziph, Benjamin, to Stirling Thermal Motors, Inc. Yieldably mounted lubricant control assemblies for piston rods. 4,836,094, 6-6-89, Cl. 92-167.000.

Meijer, Roelf J.; and Ziph, Benjamin, to Stirling Thermal Motors, Inc. Hydrodynamic bearing. 4,885,980, 12-12-89, Cl. 92-12.200.

Meijer, Sjoerd. Heat exchanger and sheet material therefor. 4,889,111, 12-26-89, Cl. 165-78.000.

Meijer, Theo: *See—*
Bormann, Rene L.; Maathuis, Antonnis G.; Spielmann, Jurgen; Meijer, Theo; Beer, Klaus; and Oare, Thomas R., 4,869,307, Cl. 152-533.000.

Meiji Milk Products Company Limited: *See—*
Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Saito, Shigeko; and Kobayashi, Toshitaka, 4,840,814, Cl. 426-580.000.
Kuwata, Tamotsu; and Ohtomo, Hideo, 4,834,994, Cl. 426-271.000.

Meiji Rubber & Chemical Co., Ltd.: *See—*
Mizoguchi, Sadao, 4,815,646, Cl. 226-194.000.

Meiji Seika Kabushiki Kaisha: *See—*
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Meiji Seika Kaisha, Ltd.: *See—*
Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.
Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiko, 4,857,354, Cl. 426-558.000.
Joyama, Norio, 4,819,331, Cl. 30-120.200.
Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuo; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
Makishima, Shinichi; and Mochizuki, Keizo, 4,839,182, Cl. 426-242.000.
Sato, Akira; Sekizuka, Yasuo; and Saito, Satoshi, 4,857,346, Cl. 426-321.000.

Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.
Tachibana, Shunro; and Shibata, Uichi, 4,821,740, Cl. 128-798.000.
Terauchi, Masakazu; and Suzuki, Gentarou, 4,871,562, Cl. 426-330.300.

Meikle, Andrew T.: *See—*
Woerner, Klaus D.; and Meikle, Andrew T., 4,867,663, Cl. 425-111.000.

Meikle, Diane, heir: *See—*
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Meikle, Diane L., heir: *See—*
Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.

Meikle, Richard W., deceased: *See—*
Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.

Meiklejohn, William H.: *See—*
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Meiko Electronics Co., Ltd.: *See—*
Iri, Eiji; and Tabira, Masatoshi, 4,850,664, Cl. 350-96.200.
Wada, Tatsuo; Miki, Toshiro; and Takenaka, Masamitsu, 4,889,584, Cl. 156-630.000.
Yasuno, Hiroshi; Sakatani, Fumio; and Kanda, Takeshi, 4,883,575, Cl. 204-198.000.

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Meiller, Hermann; and Jahn, Wolfram, to Grammer Sitzsysteme GmbH. Seat adjustment apparatus. 4,818,020, 4-4-89, Cl. 297-313.000.

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Meillet, Michel. Eye glasses for applying makeup. 4,880,302, 11-14-89, Cl. 351-59.000.

Meilleur, Serge. Insulating formwork for casting a concrete wall. 4,888,931, 12-26-89, Cl. 52-426.000.

Meimeteas, Angelo. Paint brush ferrule cover. 4,821,361, 4-18-89, Cl. 15-246.000.

Meimeteas, Angelo. Paint brush ferrule cover. 4,887,327, 12-19-89, Cl. 15-246.000.

Meinan Machinery Works, Inc.: *See—*
Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.
Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,811,496, Cl. 34-144.000.
Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,827,630, Cl. 34-146.000.
Koba, Yoshinori, 4,796,680, Cl. 144-2.00R.
Koba, Yoshinori, 4,850,404, Cl. 144-2.00R.
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Meinander, Kerstin: *See—*
Eklund, Vidar; Fors, Jan; Mandell, Leo; Meinander, Kerstin; Selin, Johan-Fredrik; and Turunen, Olli T., 4,861,874, Cl. 536-32.000.

Meinander, Paul O., to Valmet Paper Machinery Inc. Method and apparatus for coating a web. 4,889,073, 12-26-89, Cl. 427-356.000.

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Meinhold, Henner; Ziegenbein, Botho; and Petri, Gunther, to BBC Brown Boveri Aktiengesellschaft. Bypass element for safeguarding battery cells. 4,879,188, 11-7-89, Cl. 429-7.000.

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Meisel, Nicolas M. Anchoring device for dental prosthesis. 4,867,683, 9-19-89, Cl. 433-181.000.

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Meisenburg, Gary L., to Brunswick Corporation. Sacrificial anode for marine propulsion units. 4,872,860, 10-10-89, Cl. 440-113.000.

Meisenburg, Gary L., to Brunswick Corporation. Marine propulsion device with thru-transom engine oil drain system. 4,875,884, 10-24-89, Cl. 440-88.000.

Meisenzahl, Eric, to Eastman Kodak Company. Readout of charge packets from area imager CCD using an inverter-chain shift register. 4,862,275, 8-29-89, Cl. 358-213.290.

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Meisinger, Stanlee W., to FasTest, Inc. Quick connect coupling device. 4,884,630, 12-5-89, Cl. 285-94.000.

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Igel, Wolfgang; Nickolay, Helmut; Mack, Karl-Heinz; and Meissner, Werner, 4,823,543, Cl. 57-80.000.

Meister, Alton, to Cornell Research Foundation, Inc. Glutathione delivery system. 4,879,370, 11-7-89, Cl. 530-331.000.

Meister, Andreas: *See—*

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Meister, Bernard J.; Dryzga, Craig D.; and Tien, Li C., to Dow Chemical Company, The. Process for preparing rubber-modified styrenic polymer compositions containing hydroperoxide derivatives of rubbery polymers. 4,876,312, 10-24-89, Cl. 525-263.000.

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Meister, Siegfried. Heat treatment of food with flow-dependent control. 4,856,422, 8-15-89, Cl. 99-330.000.

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Theilacker, Klaus; and Meitinger, Johann, 4,827,842, C 101-177.000.

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Nakanishi, Minoru; Sakurai, Akira; Kobayashi, Takatoshi; Meiw Zenbei; and Abe, Norihiro, 4,850,991, Cl. 604-387.000.

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Mekonen, Kenneth. Fuel compositions. 4,877,414, 10-31-89, C 44-51.000.

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Melamed, Myron R.: *See—*

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Moore, William P., 4,804,403, Cl. 71-28.000.

Meland, Ronald F.: *See—*

Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Cra 4,797,072, Cl. 417-423.200.

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Baugh, J. Lindley; Fraser, James M., III; and Melenyzer, George J., 4,848,469, Cl. 166-382.000.

Melfi, Nicholas W., to Concrete Pipe & Products, Corp. Noise barrier. 4,862,992, 9-5-89, Cl. 181-210.000.

Melgaard, Hans L., to Despatch Industries, Inc. Conveyor for a clean room. 4,821,866, 4-18-89, Cl. 198-494.000.

Melgaard, Hans L., to Despatch Industries, Inc. Continuous material heating oven. 4,846,669, 7-11-89, Cl. 432-59.000.

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Melhem, Rami: *See—*

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Meli, Vincenzo: *See—*

Busacca, Guido; Meli, Vincenzo; and Spalla, Mario, 4,859,907, Cl. 315-3.500.

Melia, John. Wind-actuated musical device. 4,872,387, 10-10-89, Cl. 84-95.200.

Melia, John: *See—*

Heintzberger, Antonius H.; and Melia, John, 4,831,310, Cl. 315-77.000.

Meliconi, Loris, to Meliconi S.r.l. Shockproof protective sheath for remote controls, in particular those of television receivers. 4,836,256, 6-6-89, Cl. 206-523.000.

Meliconi, Riccardo, to Meliconi, S.r.L. Appliance for washing and spin drying lettuce, vegetables and similar produce. 4,809,723, 3-7-89, Cl. 134-159.000.

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Meliconi, Loris, 4,836,256, Cl. 206-523.000.

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Melilli, William J.: *See—*

Wolf, Charles B.; and Melilli, William J., 4,864,096, Cl. 219-121.360.

Melin, Thomas; Stracke, Hubert; and Barth, Otto, to Bayer Aktiengesellschaft. Bubble plate system for biological purification of air and waste water. 4,869,824, 9-26-89, Cl. 210-615.000.

Melindo, Flavio, to CSELT - Centro Studi e Laboratori Telecomunicazioni SpA. Optical telecommunication package switching system using asynchronous techniques. 4,845,702, 7-4-89, Cl. 370-1.000.

Meline, Harry R.; and Paulsen, Eric L., to MTS Systems Corporation. Capacitive extensometer. 4,831,738, 5-23-89, Cl. 33-798.000.

Meline, Harry R.; and Paulsen, Eric L., to MTS Systems Corporation. Self-supporting extensometer for recilinear specimens. 4,831,882, 5-23-89, Cl. 73-826.000.

Meline, Harry R.; and Paulsen, Eric L., to MTS Systems Corporation. Capacitive extensometer with curved target surface. 4,841,226, 6-20-89, Cl. 324-61.00R.

Meline, Harry R.; Meyer, Richard A.; and Kovacevic, Nebojsa D., to MTS Systems Corporation. Vibration damped mounting for extensometer system. 4,879,906, 11-14-89, Cl. 73-826.000.

Meline, Harry R.; and Iverslie, Scott P., to MTS Systems Corporation. High temperature extensometer system. 4,884,456, 12-5-89, Cl. 73-826.000.

Melink, Peter, to Xerox Corporation. Sheet sorters. 4,836,526, 6-6-89, Cl. 271-209.000.

Melink, Stephen K.: *See—*

Strege, Gary L.; Renno, Gerd W.; Nelson, Kirk A.; and Melink, Stephen K., 4,822,385, Cl. 55-248.000.

Melino, Charles E. Interior curtain wall. 4,794,974, 1-3-89, Cl. 160-330.000.

Melinyshyn, Lev A.; Stupar, Jeffrey M.; and Goldberg, Edward M., to Becton, Dickinson and Company. Method of constructing a blood flow conduit. 4,840,690, 6-20-89, Cl. 156-242.000.

Melitta-Werke Bentz & Sohn: *See—*

Desai, Manohar P., 4,847,459, Cl. 219-10.55E.

Hauslein, Reinhard, 4,815,366, Cl. 99-283.000.

Hauslein, Reinhard, 4,825,042, Cl. 219-283.000.

Heyn, Hans D.; and Edler, Werner, 4,819,553, Cl. 99-305.000.

Zulauf, Wolfgang; and Huflage, Bernhard, 4,865,187, Cl. 206-45.310.

Melland, Robert C. Metal structural fastener/stiffener with integral prongs. 4,862,667, 9-5-89, Cl. 52-732.000.

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Melle, Hans-Georg: *See—*
  Carlsson, Lars; Martensson, Kjell; and Melle, Hans-Georg, 4,819,839, Cl. 222-541.000.
Mellecker, Joseph L. Architectural scale model viewer and method for using. 4,856,997, 8-15-89, Cl. 434-72.000.
Mellen, Floyd F. Bleed control apparatus for a fluid conveying system. 4,865,068, 9-12-89, Cl. 137-114.000.
Mellen, Robert H., Sr. Thermal distortion free viewing of a heated cavity. 4,833,303, 5-23-89, Cl. 219-494.000.
Mellen, Robert J.: *See—*
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Melles Griot San Marcos Company: *See—*
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  Cook, Benjamin H., Jr., 4,873,693, Cl. 372-33.000.
Mellgren, Per-Gustaf, to Forest Engineering Research Institute of Canada. Self-propelled vehicle having bogie-type running gear. 4,872,700, 10-10-89, Cl. 280-677.000.
Mellick, Gary D. Arrow held fletching jig. 4,867,426, 9-19-89, Cl. 269-38.000.
Mellin, Robert C.: *See—*
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Melling, Humfrey: *See—*
  Richards, Dennis L.; and Melling, Humfrey, 4,846,004, Cl. 73-864.630.
Melling, Peter J.; Mutsuddy, Beebhas C.; and Sekercioglu, Ibrahim, to Battelle Memorial Institute. Process for preparing high purity aluminum nitride. 4,806,330, 2-21-89, Cl. 423-412.000.
Mellini, John D. Metallic lantern mantle. 4,881,893, 11-21-89, Cl. 431-100.000.
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  Perry, Timothy J., 4,838,907, Cl. 55-381.000.
Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, to Laser Limited, Inc. Eddy current tool positioning system. 4,830,261, 5-16-89, Cl. 228-102.000.
Mello, Raymond M.: *See—*
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Mellon, Regis B., to Protel, Inc. Telephone system and method operated from central office loop current. 4,860,345, 8-22-89, Cl. 379-123.000.
Mellon, Regis B., to Protel, Inc. Telephone system and method operated from central office loop current. 4,860,346, 8-22-89, Cl. 379-155.000.
Mellone, Charles M.: *See—*
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Mellor, Charles E., to GTE Products Corporation. Reflector lamp having complementary dichroic filters on the reflector and lens for emitting colored light. 4,839,553, 6-13-89, Cl. 313-111.000.
Mellor, Charles E., to GTE Products Corporation. Wide angle optical filters. 4,854,670, 8-8-89, Cl. 350-166.000.
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  Schenkel, David P.; and Mellor, Frank, 4,796,022, Cl. 340-825.080.
Mellor, John R.; and Patton, Duncan R., to John Mellor Pty, Limited. Adjustable support device. 4,863,135, 9-5-89, Cl. 248-328.000.
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  Parsons, John H.; Hunt, Russell G.; Leach, Susan E.; Buss, Anthony D.; Green, David E.; Mellor, Michael; and Percival, Albert, 4,853,400, Cl. 514-383.000.
Mellow, James L.: *See—*
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  Mellqvist, Carl O.; and Mellqvist, Ann, 4,847,096, Cl. 426-41.000.
Mellqvist, Carl O.; and Mellqvist, Ann, to Albuglobe Aktiebolag. Process for treating whey proteins, and product obtained. 4,847,096, 7-11-89, Cl. 426-41.000.
Mellsjo, Carl G. Heat exchanger. 4,844,153, 7-4-89, Cl. 165-174.000.
Mellwig, Dieter; and Lange, Hans-Willi, to Albert Schulte Sohne GmbH & Co. Caster with blocking device and depressible releasing member for the blocking device. 4,835,815, 6-6-89, Cl. 16-35.00R.
Melman, Paul; and Dakss, Mark L., to GTE Laboratories Incorporated. Optical fiber for light amplification. 4,820,018, 4-11-89, Cl. 350-96.330.
Melmon, Kenneth L.: *See—*
  Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., 4,837,305, Cl. 530-345.000.
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Melnik, Gary A.: *See—*
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  tor, 4,884,625, Cl. 164-495.000.
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  vegetable materials using fluid milk by-products. 4,869,918, 9-26
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Melocik, Grant C., to Caterpillar Industrial Inc. Electric braking
  trol. 4,804,893, 2-14-89, Cl. 318-258.000.
Melocik, Grant C., to Caterpillar Industrial Inc. Scanning
  detection apparatus. 4,849,731, 7-18-89, Cl. 340-435.000.
Melody, Brian; and Clouse, James A., to Aerovox M, Inc. Electr
  capacitor and electrolyte therefor. 4,812,951, 3-14-89,
  361-504.000.
Meloney, David M., Jr. Device for closing off a pool
  4,879,772, 11-14-89, Cl. 4-506.000.
Melotti, Angelo R.: *See—*
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  nici, Gerald P., 4,881,774, Cl. 297-341.000.
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Melton, James J.: *See—*
  Pope, Thomas A., deceased; Wallin, Walter B.; Cutrell,
  R.; and Melton, James J., 4,852,029, Cl. 364-556.000.
Melton, John G. Roll up closet door. 4,807,684, 2-28-89, Cl. 160
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  furnace wall. 4,835,831, 6-6-89, Cl. 29-460.000.
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  Perforated web separator. 4,862,378, 8-29-89, Cl. 364-469.00
Meltsch, Hans-Jurgen; Rost, Jan; Behmer, Albin; and Mahler, Er
  Siemens Aktiengesellschaft. Flame-resistant cable sleeve. 4,82
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Meltz, Clifford N.; Gruetzmacher, Gordon D.; and Chang, Ping
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  tions and methods of use. 4,821,802, 4-18-89, Cl. 166-270.00
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  nologies Corporation. Distributed, spatially resolving optical
  strain gauge. 4,806,012, 2-21-89, Cl. 356-32.000.
Meltz, Gerald: *See—*
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  dolph N.; and Sparacio, Frank J., 4,823,259, Cl. 364-200
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  502-207.000.
Melville, Martin J., to Metal Box plc. Continuous seam welding
  tus and methods. 4,857,697, 8-15-89, Cl. 219-121.630.
Melville, Richard A. Meat saw and method of processing
  4,817,245, 4-4-89, Cl. 17-52.000.
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lvin, Randall K. Apparatus for removing babbitts from knives.
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lvin, William S.; and Graham, James F., to United States of America, Army. Method to dimilitarize extract, and recover ammonium perhlorate from composite propellants using liquid ammonia. 4,854,982,
-8-89, Cl. 149-109.600.
yepitesi Tervezo Vallalat: *See—*
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i, Edward R.: *See—*
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ig, Manfred; and Effer, Erhard, to Optische Werke G. Rodenck. Anti-reflection film for an optical element consisting of an ganic material. 4,852,974, 8-1-89, Cl. 350-165.000.
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  Chung, Fred C.; and Clark, Ross P., 4,822,637, Cl. 427-128.000.
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ysafe, Inc.: *See—*
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Menchetti, Robert J., to National Gypsum Company. Sag resistant ceiling panel. 4,802,321, 2-7-89, Cl. 52-484.000.
Menchetti, Robert J., to National Gypsum Company. Wall framing system. 4,811,539, 3-14-89, Cl. 52-486.000.
Menchetti, Robert J.; and Weir, Richard P., to National Gypsum Company. Universal secondary stud. 4,837,988, 6-13-89, Cl. 52-36.000.
Menchetti, Robert J.; Weir, Richard P.; and Chapman, Robert M., to National Gypsum Company. Integral wallboard and stud. 4,843,784, 7-4-89, Cl. 52-127.500.
Menchetti, Robert J., to National Gypsum Company. C-stud and wedged bracket. 4,845,904, 7-11-89, Cl. 52-36.000.
Menchetti, Robert J., to National Gypsum Company. Clip for outwardly opening C-stud. 4,870,794, 10-3-89, Cl. 52-281.000.
Menchetti, Robert J.: *See—*
  Chapman, Robert M.; and Menchetti, Robert J., 4,843,771, Cl. 52-288.000.
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  Palla, Ottorino; Camaggi, Giovanni; Gozzo, Franco; Menconi, Augusto; and Signorini, Ernesto, 4,810,281, Cl. 71-90.000.
Menda Scientific Products, Inc.: *See—*
  Landecker, David J., 4,865,228, Cl. 222-153.000
Mende, Reinhold: *See—*
  Linde, Hartmut; and Mende, Reinhold, 4,812,342, Cl. 428-35.400.
Mende, Takayuki, to Mitsui Petrochemical Industries, Ltd. Melt blow die. 4,826,415, 5-2-89, Cl. 425-722.000.
Mendel, Clifford W., to United States of America, Energy. Current-level triggered plasma-opening switch. 4,812,715, 3-14-89, Cl. 315-340.000.
Mendel, Frank C.; Fish, Dale R.; Tanski, William, Jr.; and Kell, Robert E., to State University of New York. Method and apparatus for exercising a paralyzed limb. 4,863,157, 9-5-89, Cl. 272-73.000.

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Harris, Stephen E.; Young, James F.; and Normandin, Richard J., 4,802,183, Cl. 372-57.000.

Mendelsohn, Charles, to United Technologies Corporation. Gas plasma panel. 4,843,281, 6-27-89, Cl. 313-587.000.

Mendelsohn, Steven. Sanitary napkin with self-contained disposal means. 4,846,828, 7-11-89, Cl. 604-387.000.

Mendelson, Ralph A.: *See—*
Pankratz, Allan W.; Matysek, Bogumil J.; and Mendelson, Ralph A., 4,850,802, Cl. 416-213.00R.

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Palanisamy, Thirumalai G.; and Mendelson, Stuart E., 4,876,495, Cl. 320-18.000.

Mendenhall, Abraham H., to Packageing Concepts, Inc. Microwavable package for packaging combination of products and ingredients. 4,806,371, 2-21-89, Cl. 426-113.000.

Mendenhall, Abraham H.; and Irace, Joseph E., to Packaging Concepts, Inc. Formed polymer film package for microwave cooking. 4,808,421, 2-28-89, Cl. 426-107.000.

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Mendenhall, David W.; Marian, Steve P.; Goff, Jay T.; Cotter, Neil J.; and Corbesero, Steve R., to Augat Inc. High density backplane connector. 4,881,901, 11-21-89, Cl. 439-65.000.

Mendenhall, George A. Hydraulic food convergence cutter apparatus and method. 4,807,503, 2-28-89, Cl. 83-22.000.

Mendenko, Barry J.; and Nyman, Bruce M., to American Telephone and Telegraph Company. Substrate inspection system having two scattered light detecting bundles orthogonally positioned to each other. 4,849,645, 7-18-89, Cl. 250-563.000.

Mendez, Luis E.: *See—*
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Mendichi, Raniero: *See—*
Casa, Fausto; Mendichi, Raniero; and Bassi, Angelo C., 4,824,620, Cl. 264-40.100.

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Naef, Ulrich; and Mendler, Bruno, 4,850,526, Cl. 229-87.00R.

Mendon Electronics Corporation: *See—*
Paul, Gerald R., 4,862,287, Cl. 358-296.000.

Mendonca, Jose M., Jr., to United States of America, Air Force. Method of controlling discharge of stored electric charge in plastic objects and forming Lichtenberg figures in plastic objects. 4,853,163, 8-1-89, Cl. 264-22.000.

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Mendoza, Fausto C. Tortilla dough forming machine. 4,854,847, 8-8-89, Cl. 425-205.000.

Mendoza, Joe; and Han, Joseph, to Hydrotech Chemical Corporation. Backwash valve lever control system. 4,869,817, 9-26-89, Cl. 210-169.000.

Mendoza, Roberto. Feminine disposable urinating device. 4,857,064, 8-15-89, Cl. 604-347.000.

Meneely, Vincent A., to Pacific Diesel Brake Co. Apparatus and method for retarding an engine. 4,848,289, 7-18-89, Cl. 123-182.000.

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Arnost, Michael J.; Inbar, Shai; Meneghini, Frank A.; Palumbo, Paul S.; Stroud, Stephen G.; and Zepp, Charles M., 4,886,744, Cl. 435-6.000.

Menelaus, Ian G.: *See—*
Harvey, David H. C.; and Menelaus, Ian G., 4,798.263, Cl. 182-107.000.

Menendez, Fernando M. S.: *See—*
Menendez, Francisco J. S.; Menendez, Fernando M. S.; De La Cuadra Herrera, Antonio; Tamargo, Francisco A.; Lorenzo, Luis P.; Valcarcel, Matias R.; and Fernandez, Vicente A., 4,886,648, Cl. 423-92.000.

Menendez, Francisco J. S.; Menendez, Fernando M. S.; De La Cuadra Herrera, Antonio; Tamargo, Francisco A.; Lorenzo, Luis P.; Valcarcel, Matias R.; and Fernandez, Vicente A., to Asturiana De Zinc, S.A. Process for the recovery of germanium from solutions that contain it. 4,886,648, 12-12-89, Cl. 423-92.000.

Menendez, Rogelio; and Gorelick, Kenneth J., to Fisons Corporation. Method of treatment. 4,882,170, 11-21-89, Cl. 424-600.000.

Menet, Jacques; and de Gabrielli, Olivier, to Centre National De La Recherche Scientifique. Electron source with magnetic means. 4,886,992, 12-12-89, Cl. 313-153.000.

Meng, Alex C-C, to Texas Instruments Incorporated. Method for providing a collision free path in a three-dimensional space. 4,862,373, 8-29-89, Cl. 364-444.000.

Meng, Sen Y., to Rockwell International Corporation. Vortex proof shrouded inducer. 4,834,611, 5-30-89, Cl. 415-58.500.

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Dunn, Charlton; Bremner, Robert J.; and Meng, Sen Y., 4,874,575, Cl. 376-404.000.

Meng, Y. Gloria; and Trawinski, Jurgen, to Miles Inc. Heterohybridoma screening method. 4,842,998, 6-27-89, Cl. 435-7.000.

Mengal, Manfred: *See—*
Neuhaus, Alfred; Ganster, Otto; and Mengal, Manfred, 4,882,363, Cl. 521-122.000.

Menge, Gunter, to Thomson-CGR. High-voltage transformer. 4,814,733, 3-21-89, Cl. 336-69.000.

Menge, Gunther: *See—*
Gomann, Rolf; Schluter, Karl-Heinz; and Menge, Gu
4,825,994, Cl. 198-370.000.

Menge, Heinrich. Ventilated toilet. 4,800,596, 1-31-89, Cl. 4-344.0

Menge, Heinrich. Method of and apparatus for regulating the flow
least one gas stream. 4,880,027, 11-14-89, Cl. 137-247.250.

Mengel, Craig. Method of and structure for the joining of subst
rigid parts together. 4,883,331, 11-28-89, Cl. 312-195.000.

Mengel, Keith E.: *See—*
Larson, Jay M.; and Mengel, Keith E., 4,822,695, Cl. 428-4

Mengel, Peter: *See—*
Doemens, Guenter; Eigenstetter, Herbert; and Mengel, P
4,814,626, Cl. 250-561.000.

Mengel, Reiner: *See—*
Mauerer, Erich; and Mengel, Reiner, 4,832,689, Cl. 604-67.0

Mengel, Rudolf; Pfleiderer, W.; Linden, Gerbert; and Schneider, G
hart, to Celamerck GmbH & Co. KG. Herbicidally effective su
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Mengel, William H., to RCA Licensing Corporation. Program
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Mengel, William H., to General Electric Company. Autoprogram
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Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalits, O
Wise, Donald L.; and Leuschner, Alfred P., to Houston Indu
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cavities. 4,845,034, 7-4-89, Cl. 435-167.000.

Menges, Horst: *See—*
Post, Lothar; Schneider, Bernhard; and Menges, Horst, 4,86
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Menges, William H., Jr.: *See—*
Menges, William H., Sr.; Menges, William H., Jr.; and Fi
Douglas, 4,846,076, Cl. 108-42.000.

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to Fast Feat Bucket Board Co. Bucket board and seat appa
4,846,076, 7-11-89, Cl. 108-42.000.

Mengo, Alfred, to Mengo Industries, Inc. Fishing rod holder an
4,852,291, 8-1-89, Cl. 43-21.200.

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Mengus, Charles: *See—*
Mauleon, Jean-Louis; Ville, Francois; and Mengus, Ch
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Menich, Barry J.; Wood, Daniel E.; Tayloe, Daniel R.; Bo
and Lev, Valy, to Motorola, Inc. Interface method and appara
a cellular system site controller. 4,843,633, 6-27-89, Cl. 455-33

Menicon Co., Ltd.: *See—*
Nakashima, Tatsutoshi; Taniyama, Yoshitaka; and Sug
Akihisa, 4,814,402, Cl. 526-245.000.

Menjiu, Akira: *See—*
Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Ma
Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, 4,806,7
148-403.000.

Menjo, Takeshi; Inoue, Masahiro; and Amemiya, Koji, to Canon Ka
shiki Kaisha. Image forming apparatus having developer a
detector. 4,883,019, 11-28-89, Cl. 118-691.000.

Menkart, George R.: *See—*
Schaller, David R.; Menkart, George R.; Hall, Loring C
Bosben, Robert J., 4,851,756, Cl. 320-3.000.

Menke, Jeffery W., to Caterpillar Inc. Controllable locking app
for implement carrying work vehicle. 4,887,938, 12-19-8
414-694.000.

Menke, Josef F. Thermal imaging device in combination with a
production system. 4,855,600, 8-8-89, Cl. 250-332.000.

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Kommanditgesellschaft auf Aktien. Cleaning block for fl
tanks. 4,820,449, 4-11-89, Cl. 252-544.000.

Menke, Ronald: *See—*
Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-D
Menke, Ronald; and Tuerk, Erich, 4,813,084, Cl. 4-231.0

Menkedick, Michael H.: *See—*
Heene, Mark R.; Menkedick, Michael H.; Sibigtroth, James M
Espinor, George L., 4,802,119, Cl. 364-900.000.

Menken, John, to Mirowski, Mieczyslaw. Method and appara
cardioverter/pacer featuring a blanked pacing channel and
detect channel with AGC. 4,819,643, 4-11-89, Cl. 128-419.0

Menker, Robert L. Shield unit for machine tool. 4,884,927, 12-5
409-134.000.

Menkes, Henry E.: *See—*
Basarath, Brian A.; Ebert, Harry K., Jr.; and Menkes, He
4,845,637, Cl. 364-492.000.

Menlo Care, Inc.: *See—*
Aniuk, Lawrence M.; Dieck, Ronald L.; and Hardy, D
4,883,699, Cl. 428-36.900.
Balbierz, Daniel J., 4,840,613, Cl. 604-51.000.
Hardy, Dwayne E., 4,840,622, Cl. 604-264.000.
Walker, Jack M.; Brown, Ronald C.; and Thomas, Jo
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Menlo Industries, Inc.: *See—*
Kakihana, Sanehiko, 4,826,070, Cl. 228-123.000.

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troluminescent matrix screen, and method of manufacture. 4,8
10-17-89, Cl. 313-5[illegible].000.

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Pecile, Dario; Menn, Roger; and Brunel, Christian, 4,829,213, Cl. 313-509.000.

Mennen Company, The: *See—*
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Menner, Michael: *See—*
Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Mennerich, Klaus-Peter: *See—*
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Mennicke, Stefan: *See—*
Harbach, Friedrich; Knodler, Reinhard; Krapf, Rudolf; Mennicke, Stefan; and Weiler, Ludwig, 4,800,143, Cl. 429-153.000.
Steinleitner, Gunther; Mennicke, Stefan; Feindler, Philbert; Klein, Herbert; and Maldonado-Zagal, Sigisfredo, 4,853,303, Cl. 429-104.000.

Mennigmann, Kurt, to Friedrich Grohe Armaturenfabrik GmbH & Co. Water mixing valve, especially for a sanitary fixture. 4,856,556, 8-15-89, Cl. 137-625.400.

Menning, Jurgen. Apparatus for solar heating. 4,823,771, 4-25-89, Cl. 126-448.000.

Menniti, Pietro: *See—*
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Meno, Henry: *See—*
Clardy, T. J.; and Meno, Henry, 4,871,302, Cl. 417-404.000.

Menon, Rajgopal S.: *See—*
Pillay, Marrimuthoo; and Menon, Rajgopal S., 4,852,142, Cl. 378-156.000.

Menon, Suresh; and Murthi, Enjeti, to National Semiconductor Corporation. Dual port voltage controlled emitter coupled multivibrator. 4,884,042, 11-28-89, Cl. 331-113.00R.

Menon, Suresh M.; and Cohan, Jay L., to Fairchild Semiconductor Corporation. Bandgap voltage reference circuit with an npn current bypass circuit. 4,795,918, 1-3-89, Cl. 307-297.000.

Menou, Georges: *See—*
Chanvin, Jean-Louis; Cote, Anselme; and Menou, Georges, 4,847,894, Cl. 379-104.000.

Menown, Hugh; Baker, Robert E.; and Cullum, Leonard R., to English Electric Valve Company Limited. Thyratrons. 4,890.034, 12-26-89, Cl. 313-595.000.

enown, Hugh: *See—*
Maitland, Arthur; Menown, Hugh; and Neale, Christopher V., 4,805,180, Cl. 372-61.000.

enozzi, Jay P.: *See—*
Chan, Luen C.; and Menozzi, Jay P., 4,884,971, Cl. 434-2.000.

ens, Wilhelmus R. M., to U.S. Philips Corporation. Magnetic resonance imaging apparatus comprising an activatable birdcage RF coil. 4,820,987, 4-11-89, Cl. 324-318.000.

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ench, William D., Jr. Topography of integrated circuit including a microprocessor. 4,800,487, 1-24-89, Cl. 364-200.000.

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ensies, Otto, to U.S. Philips Corporation. Display tube with magnetic correction elements. 4,801,843, 1-31-89, Cl. 313-421.000.

ensing, Walter: *See—*
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ensinger, Michael C.: *See—*
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ensor Corporation: *See—*
Fruit, Jerry L., 4,850,391, Cl. 137-505.250.

enta, Ernesto: *See—*
Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; Menta, Ernesto; and Tognella, Sergio, 4,845,113, Cl. 514-356.000.

ente, Donald C., to BASF Corporation. All aqueous formulations of organo-phosphorous pesticides. 4,851,217, 7-25-89, Cl. 424-83.000.

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Aime, Jean-Marc; Mention, Georges; and Thouzeau, Andre , 4,873,270, Cl. 523-128.000.

tion, Jacky: *See—*
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Mentor Corporation: *See—*
Watson, David A.; Jensen, Michele R.; and Condon, Dennis E., 4,823,815, Cl. 128-897.000.

Mentzer, Charles C.; Cox, Howard W.; and Short, William T., to General Motors Corporation. Method of applying painted carrier films to automobile body parts. 4,828,637, 5-9-89, Cl. 156-212.000.

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Mentzer, Charles C.; Cox, Howard W.; and Short, William T., to General Motors Corporation. Article covered with painted carrier films. 4,868,030, 9-19-89, Cl. 428-174.000.

Mentzer, Mark A.: *See—*
Lampe, Donald R.; Mentzer, Mark A.; and Naviasky, Eric H., 4,841,480, Cl. 365-87.000.

Mentzer, Robert M., Jr.; Ely, Stephen W.; Lasley, Robert D.; and Berne, Robert M., to University of Virginia Alumni Patents Foundation. Use of adenosine, hypoxanthine and ribose-containing solution for improved protection of the heart during surgery. 4,880,783, 11-14-89, Cl. 514-46.000.

Menu, Jean-Pierre: *See—*
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Menyhert, William R.: *See—*
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Menzel, Ingolf: *See—*
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Menzel, Karl: *See—*
Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.

Menzel, Klaus-Dieter: *See—*
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Menzel, Waldemar, to Lumen GmbH Nahrmittel- und Maschinenfabrik. Apparatus for producing ice cream, milk shakes or frozen desserts from a flowable formulation. 4,817,396, 4-4-89, Cl. 62-306.000.

Menzies, L. William, Jr.; and Menzies, Stephen W. Surface mounted decoupling capacitor. 4,882,656, 11-21-89, Cl. 361-393.000.

Menzies, Stephen W.: *See—*
Menzies, L. William, Jr.; and Menzies, Stephen W., 4,882,656, Cl. 361-393.000.

Menzolit GmbH: *See—*
Ehnert, Gerd; Ehlers, Manfred; Sauer, Gerhard; and Vogel, Klaus, 4,886,701, Cl. 428-282.000.

Meo, Dominick F. Heat gun assembly with scraper blade cleaning means and method. 4,849,607, 7-18-89, Cl. 219-373.000.

Mepha AG: *See—*
Seth, Pawan, 4,795,643, Cl. 424-456.000.
Seth, Pawan, 4,844,903, Cl. 424-448.000.
Seth, Pyare L., 4,867,987, Cl. 424-480.000.

Merbabu Corporation: *See—*
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Merboldt, Klausdietmar: *See—*
Frahm, Jens; Hanicke, Wolfgang; and Merboldt, Klausdietmar, 4,808,928, Cl. 324-309.000.

Mercader, Juan P.; and Villamanan, Pablo R., to Carburos Metalicos S.A. Method for obtaining CO_2 and N_2 from internal combustion engine or turbine generated gases. 4,797,141, 1-10-89, Cl. 62-17.000.

Mercado, David. Storage rack for load locks. 4,869,377, 9-26-89, Cl. 211-89.000.

Mercado, Hector P., to Ameron, Inc. Abrasive threaded fiberglass pipe joint. 4,875,710, 10-24-89, Cl. 285-24.000.

Mercado, Malinda: *See—*
Anderson, James S.; Hoffman, Kenneth A.; Julis, Jeffrey E.; and Mercado, Malinda, 4,822,659, Cl. 428-99.000.

Mercado, Malinda S.: *See—*
Julis, Jeffrey E.; and Mercado, Malinda S., 4,865,907, Cl. 428-241.000.

Mercado, Romeo I., to Lockheed Missiles & Space Company, Inc. Catadioptric imaging system with dioptric assembly of the petzval type. 4,834,515, 5-30-89, Cl. 350-442.000.

Mercado, Romeo I., to Lockheed Missiles & Space Company, Inc. Optical system of the Petzval type. 4,842,384, 6-27-89, Cl. 350-412.000.

Mercaldi, David W., to Failure Analysis Associates, Inc. Surface sampling device. 4,845,896, 7-11-89, Cl. 51-33.00R.

Mercaldi, David W., to Failure Analysis Associates, Inc. Method for sampling a workpiece. 4,856,233, 8-15-89, Cl. 51-281.00R.

Mercante International A/S AF 1986: *See—*
Hyltoft, Hans C., 4,798,373, Cl. 271-9.000.

Mercat, Jean-Pierre, to Ste Look. Method and device for measuring the torque transmitted by the driving wheel of a cycle and a cycle equipped with said device. 4,811,612, 3-14-89, Cl. 73-862.340.

Mercaz Haargazim Ltd.: *See—*
Shchamorov, Shlomo; and Schnapp, Aharon, 4,820,383, Cl. 220-6.000.

Mercedes-Benz AG: *See—*
Dietrich, Markus; and Berger, Frank, 4,881,499, Cl. 123-90.520.
Koukal, Heinz; and Merk, Helmut, 4,865,361, Cl. 285-197.000.
Lutze, Hans; and Zeidler, Falk, 4,881,754, Cl. 280-728.000.

Werner, Johannes; Kerschbaum, Walter; and Heinrich, Rolf, 4,886,023, Cl. 123-197.0AC.
Mercer, Al. Sanitizer for recreational vehicle waste system. 4,841,578, 6-27-89, Cl. 4-224.000.
Mercer, Basil W.: *See—*
Cawley, William E.; and Mercer, Basil W., 4,812,237, Cl. 210-605.000.
Mercer, Frank, to Raychem Corporation. Aromatic polymer compositions. 4,835,197, 5-30-89, Cl. 524-538.000.
Mercer, Frank W.; Froix, Michael F.; and Cheng, Tai C., to Raychem Corporation. Poly(aryl ether ketone) compositions. 4,879,338, 11-7-89, Cl. 524-508.000.
Mercer, James B. Method of treatment of mesenteric adenitis. 4,871,759, 10-3-89, Cl. 514-398.000.
Mercer, James B.: *See—*
Greanias, Anthony C.; and Mercer, James B., 4,862,945, Cl. 164-63.000.
Voss, Karl D.; Mercer, James B.; and Greanias, Anthony C., 4,809,767, Cl. 164-154.000.
Voss, Karl D.; and Mercer, James B., 4,825,933, Cl. 164-255.000.
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- Shuman, Richard F., 4,880,928, Cl. 544-237.000.
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- Smith, Robert L.; and Stokker, Gerald E., 4,855,321, Cl. 514-532.000.
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- Tischler, Allan N.; Durette, Philippe L.; Witzel, Bruce E.; and Lanza, Thomas J., Jr., 4,800,211, Cl. 514-443.000.
- Tolman, Richard L.; and Ashton, Wallace T., 4,863,927, Cl. 514-274.000.
- Tolman, Richard L.; Wagner, Arthur F.; Baldwin, John J.; and Pietruszkiewicz, Adolph, 4,889,856, Cl. 514-254.000.
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- Volante, Ralph P.; Corley, Edward; and Shinkai, Ichiro, 4,814,452, Cl. 546-89.000.
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- Vyas, Kamlesh P.; and Kari, Hanumath P., 4,885,314, Cl. 514-630.000.
- Wallace, Dennis H., 4,847,243, Cl. 514-30.000.
- Wattley, Ruth V.; and Kieczykowski, Gerard R., 4,820,818, Cl. 540-586.000.
- Williams, James B.; and Nesbitt, Russell U., 4,853,372, Cl. 514-30.000.
- Wilson, Kenneth E.; Flor, James E.; Hensens, Otto D.; Liesch, Jerrold M.; and Reamer, Robert A., 4,816,448, Cl. 514-99.000.
- Witzel, Bruce E., 4,798,823, Cl. 514-11.000.
- Witzel, Bruce E.; Baker, Robert K.; Durette, Philippe L.; and Frankshun, Robert A., 4,814,501, Cl. 564-162.000.
- Witzel, Bruce E., 4,885,276, Cl. 514-11.000.
- Wolf, Carol L.; LaVelle, William M.; and Clark, Ross C., 4,876,105, Cl. 426-573.000.
- Woltersdorf, Otto W., Jr.; Cragoe, Edward J., Jr.; and Pietruszkiewicz, Adolph M., 4,797,391, Cl. 514-120.000.
- Wyvratt, Matthew J., Jr., 4,833,168, Cl. 514-450.000.
- Zentner, Gaylen M., 4,795,644, Cl. 424-468.000.
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- Belanger, Patrice; Fortin, Rejean; Guindon, Yvan; Yoakim, Christiane; and Rokach, Joshua, 4,820,867, Cl. 562-478.000.
- Belanger, Patrice C.; Scheigetz, John; and Rokach, Joshua, 4,863,958, Cl. 514-469.000.
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Jones, Winton D.; Schnettler, Richard A.; Claxton, George P.; and Dage, Richard C., 4,803,210, Cl. 514-293.000.

Jones, Winton D.; Dage, Richard C.; and Schnettler, Richard A., 4,849,522, Cl. 546-288.000.

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Ku, George; and Doherty, Niall, 4,870,101, Cl. 514-476.000.

LeTourneau, Michael E.; McCarthy, James R.; and Trepanier, Donald L., 4,868,315, Cl. 549-51.000.

Matthews, Donald P.; McCarthy, James R.; Whitten, Jeffrey P.; and Broersma, Robert J., Jr., 4,810,800, Cl. 548-336.000.

Matthews, Donald P.; Whitten, Jeffrey P.; and McCarthy, James R., 4,839,375, Cl. 514-397.000.

McCarthy, James R.; Bargar, Thomas M.; Barney, Charlotte L.; Matthews, Donald P.; and Broersma, Robert J., 4,847,288, Cl. 514-438.000.

McDonald, Ian A.; Palfreyman, Michael G.; and Collard, Jean-Noel, 4,822,812, Cl. 514-419.000.

McDonald, Ian A.; Palfreyman, Michael G.; and Collard, Jean-Noel, 4,879,305, Cl. 514-419.000.

Peet, Norton P.; and Sunder, Shyam, 4,871,732, Cl. 514-212.000.

Reifschneider, Walter, 4,804,682, Cl. 514-521.000.

Schnettler, Richard A.; and King, Chi-Hsin R., 4,803,278, Cl. 546-278.000.

Schnettler, Richard A.; Claxton, George P.; and Jones, Winton D., Jr., 4,866,085, Cl. 514-376.000.

Schnettler, Richard A.; Jones, Winton D.; and Dage, Richard C., 4,866,182, Cl. 548-230.000.

Schnettler, Richard A.; Dage, Richard C.; Grisar, J. Martin; and Palopoli, Frank P., 4,868,197, Cl. 514-392.000.

Sjoerdsma, Albert, 4,800,209, Cl. 514-401.000.

Sorensen, Stephen M., 4,877,798, Cl. 514-317.000.

Van Effen, Richard M., 4,861,443, Cl. 204-72.000.

Wagner, Eugene R.; Matthews, Donald P.; and Barney, Charlotte L., 4,857,663, Cl. 564-279.000.

Yarrington, John T., 4,847,276, Cl. 514-384.000.

Merrell, Gene A.; and Sujdak, Richard J., to Betz Laboratories, Inc. Method of conditioning fireside fouling deposits using super large particle size magnesium oxide. 4,796,548, 1-10-89, Cl. 110-343.000.

Merrell, Gene A.; and Purnell, Deborah L., to Betz Laboratories, Inc. Paint spray booth treatment. 4,853,132, 8-1-89, Cl. 210-712.000.

Merrell, Patrick F.: *See—*

Mach, Richard E.; and Merrell, Patrick F., 4,835,637, Cl. 360-98.010.

Merrell, Richard L. Door lock assembly for freight vehicles. 4,815,771, 3-28-89, Cl. 292-60.000.

Merrem, Hans-Joachim; and Graf, Werner, to Hoechst Aktiengesellschaft. Coating solution and process for producing glassy layers. 4,842,901, 6-27-89, Cl. 427-387.000.

Merrett, Ronald G.; and Eakin, Oscar, Jr., to Intermodal Container Systems. Apparatus and method for transporting and unloading containers. 4,875,811, 10-24-89, Cl. 406-39.000.

Merriam, James C.: *See—*

Borah, Joshua D.; Merriam, James C.; and Velez, Jose, 4,859,031, Cl. 351-210.000.

Merriam, Jay S.: *See—*

Logsdon, John E.; Loke, Richard A.; Merriam, Jay S.; and Voigt, Richard W., 4,876,402, Cl. 568-881.000.

Merrick, Dale F.: *See—*

Si, Stephen S. C.; and Merrick, Dale F., 4,819,166, Cl. 364-200.000.

Merrick, David: *See—*

Anthony, James R.; Merrick, David; Homeier, Ronald F.; and Lortz, Allan R., 4,876,772, Cl. 24-637.000.

Merrick, Douglas D.: *See—*

Pearson, Stanley R.; Merrick, Douglas D.; White, William P.; and Lipp, Charles W., 4,857,076, Cl. 48-86.00R.

Merrick, Edwin B., to Hewlett-Packard Company. Transducer calibration circuit. 4,800,749, 1-31-89, Cl. 73-4.00R.

Merrick, Edwin B., to Hewlett-Packard Company. Establishing a zero reference for invasive pressure sensors. 4,854,326, 8-8-89, Cl. 128-675.000.

Merrick, Edwin B., to Puritan-Bennett Corporation. Artificially induced blood pulse for use with a pulse oximeter. 4,883,055, 11-28-89, Cl. 128-633.000.

Merrick, Edwin B.: *See—*

Hausman, Kenneth A.; and Merrick, Edwin B., 4,883,353, Cl. 356-41.000.

Merrick Engineering, Inc.: *See—*

Modglin, Donald D., 4,837,418, Cl. 219-121.450.

Merrick Industries, Inc.: *See—*

Merrick, Robert G.; and Merrick, John P., 4,869,143, Cl. 83-467.100.

Merrick, John P.: *See—*

Merrick, Robert G.; and Merrick, John P., 4,869,143, Cl. 83-467.100.

Merrick, John T. Vacuum mop head. 4,833,752, 5-30-89, Cl. 15-322.000.

Merrick, Robert G.; and Merrick, John P., to Merrick Industries, Inc. Card file punch. 4,869,143, 9-26-89, Cl. 83-467.100.

Merrick, Stephen P.; and Teichner, Robert W., to Hewlett-Packard Company. Optical isolator. 4,863,806, 9-5-89, Cl. 428-571.000.

Merrifield, Eileen, administratrix: *See—*

Merrifield, G. David, deceased, 4,819,948, Cl. 277-3.000.

Merrifield, G. David, deceased (by Merrifield, Eileen, administratrix), to Delta Dredge and Pump Corporation. Submerged shaft and 4,819,948, 4-11-89, Cl. 277-3.000.

Merrifield, Richard H., to Winzeler Stamping Company. Drawer guide structure. 4,832,509, 5-23-89, Cl. 384-21.000.

Merrifield, Robert B., to Rockefeller University, The. Glucagon homologs and therapeutic use thereof. 4,879,273, 11-7-89, Cl. 514-12.000.

Merrill, David E.: *See—*

Brookman, Donald L.; Merrill, David E.; and Grollimund, Evert C., 4,840,694, Cl. 156-344.000.

Merrill, Edward W. Process and apparatus for measuring blood viscosity directly and rapidly. 4,884,577, 12-5-89, Cl. 128-637.000.

Merrill Engineering Laboratories, Inc.: *See—*

Merrill, Marcellus S.; and Chapin, Thomas B., 4,856,199, Cl. 33-203.170.

Merrill, Jeffrey C. Toy blocks for multiple puzzles and games of varying skill levels. 4,852,878, 8-1-89, Cl. 273-156.000.

Merrill, Marcellus S.; and Chapin, Thomas B., to Merrill Engineering Laboratories, Inc. Single contact point distance measuring for plane determination. 4,856,199, 8-15-89, Cl. 33-203.170.

Merrill, Richard E.: *See—*

Stillwell, E. Joseph; Pickering, George E.; and Merrill, Richard E., 4,816,305, Cl. 428-35.700.

Merrills, Alan G.: *See—*

Nettleton, David; Patel, Jayantilal A.; and Merrills, Alan G., 4,825,557, Cl. 33-502.000.

Merriman, Floyd C.: *See—*

Luce, Robert G.; McCoy, Daniel F.; Merriman, Floyd C.; and Gregurech, Steve, 4,879,086, Cl. 376-173.000.

Merrison, John C.: *See—*

Unsworth, Peter J.; Merrison, John C.; and Rowan, Timothy M., 4,862,052, Cl. 318-757.000.

Merriss, Morley M.: *See—*

Bishop, H. John; Merriss, Morley M.; Ohlsson, Thomas L.; and Sopira, Terrence G., 4,813,035, Cl. 370-50.000.

Merritt, Alfred R.: *See—*

Lin, An-Chung R.; Cooke, Theodore M.; and Merritt, Alfred R., 4,822,418, Cl. 106-27.000.

Merritt, Carleton G.: *See—*

Lee, Yanien; Merritt, Carleton G.; and Dermody, Nancy E., 4,840,808, Cl. 426-270.000.

Merritt, David P.: *See—*

Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., 4,828,964, Cl. 430-271.000.

Merritt, Frederick M., II: *See—*

Brode, George L., II; and Merritt, Frederick M., II, 4,837,005, Cl. 424-47.000.

Brode, George L., II; and Merritt, Frederick M., II, 4,873,293, Cl. 525-417.000.

Merritt, James S., to Binks Manufacturing Company. Color changer. 4,846,226, 7-11-89, Cl. 137-871.000.

Merritt, John H., III; and Shenberger, Paul S., to Ford New Holland, Inc. Knife assembly for net dispensing apparatus. 4,802,395, 2-7-89, Cl. 83-649.000.

Merritt, Leander; and Ward, John S., to Eli Lilly and Company. Optionally substituted (3β-9,10-didehydro-2,3-dihydro ergoline as serotonergic function enhancement. 4,798,834, 1-17-89, Cl. 514-288.000.

Merritt, Raymond S.: *See—*

Schmelzer, Lynn A.; Smith, William M.; and Merritt, Raymond S., 4,830,534, Cl. 404-117.000.

Merritt, Timothy K. Apparatus for holding and dispensing beverages. 4,796,785, 1-10-89, Cl. 222-131.000.

Merry, Glenn W., to Matsi, Inc. Product preserving stopper. 4,838,442, 6-13-89, Cl. 215-228.000.

Merry, J. Bradford, to Chevron Research Company. Electro-optic high-temperature well bore modulator. 4,849,753, 7-18-89, Cl. 340-854.000.

Merry, Richard P.; and Coates, Philip D., Jr., to Minnesota Mining and Manufacturing Co. Catalytic converter for automotive exhaust system. 4,865,818, 9-12-89, Cl. 422-179.000.

Merry, Steven R., to Cooper Industries, Inc. Pre-lubricated metallic shield tape. 4,830,901, 5-16-89, Cl. 428-206.000.

Merryfield, David W.: *See—*

Lowrance, Dan E.; Douglas, Donald L.; and Merryfield, David W., 4,889,259, Cl. 221-75.000.

Merryman, Jerry D.; and Porter, Vernon R., to Texas Instruments Incorporated. Autofocus system for scanning laser inspector or writer. 4,886,958, 12-12-89, Cl. 250-201.000.

Mers, Catherine; Nelson, Clark D.; Arsena, Vito J.; and Jaffe, Mary S., to General Electric Company. Aluminum phosphate cement compositions and lamp assemblies containing same. 4,833,576, 5-23-89, Cl. 362-226.000.

Mersch, Steve, to Becton, Dickinson and Company. Measuring curvature of transparent or translucent material. 4,859,861, 8-22-89, Cl. 250-560.000.

Mersereau, Keith O., to Battelle Memorial Institute. Optical correlation system. 4,809,340, 2-28-89, Cl. 382-1.000.

Mersereau, Tom R.: *See—*

Holmes, J. Fred; Hunt, John M.; Draper, Douglas C.; Cloninger, Todd L.; Mersereau, Tom R.; and Hosier, Michael J., 4,806,729, Cl. 219-121.630.

Mersman, Susan M. Ring protector. 4,845,777, 7-11-89, Cl. 2-021.000.

Mersing, Roger L., to Odetics, Inc. Method of forming a magnetic head. 4,839,959, 6-20-89, Cl. 29-603.000.

Mersiovsky, Lynda K.; and Sprott, Charles N., to International Business Machines Corporation. System for facilitating the control of audio information within a word processing document with audio input. 4,839,857, 6-13-89, Cl. 369-25.000.

Mersman, Jan C.: *See—*

van Eijden, Cornelis; and Mersman, Jan C., 4,872,302, Cl. 53-441.000.

Merson, Richard L.: *See—*

Sawada, Hiroshi; and Merson, Richard L., 4,882,188, Cl. 426-438.000.

Merte, John H.: *See—*

Alsbrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.

Merte, Kenneth E.: *See—*

DeSatnick, Allen H.; Marcus, Herbert D.; and Merte, Kenneth E., 4,820,265, Cl. 604-30.000.

Mertel, Bernhard: *See—*

Dobner, Reinhold; Mertel, Bernhard; and Willenbacher, Erich, 4,805,544, Cl. 112-278.000.

Mertel, Michael E.; and Thomas, James E., to Microscan Systems Incorporated. Decoding of barcodes by preprocessing scan data. 4,855,581, 8-8-89, Cl. 235-462.000.

Mertel, Walter H.: *See—*

Murmann, Gunter; and Mertel, Walter H., 4,800,245, Cl. 200-345.000.

Merten, Barron C.; and Morton, Kenneth P., to Quaker Oats Company, The. Infant car seat mountable on a grocery cart. 4,861,105, 8-29-89, Cl. 297-250.000.

Merten, Barry; and Kamman, Gordon W., to Quaker Oats Company, The. Removable leg assembly. 4,852,837, 8-1-89, Cl. 248-188.000.

Merten, Gerhard: *See—*

Cwielong, Heinrich; Mertens, Wilfried; and Merten, Gerhard, 4,887,991, Cl. 474-92.000.

Merten, Josef: *See—*

Trabert, Ludwig; Lindner, Christian; Merten, Josef; and Haupt, Heinrich, 4,806,587, Cl. 524-504.000.

Wittmann, Dieter; Westeppe, Uwe; Idel, Karsten-Josef; Lindner, Christian; Merten, Josef; and Selbeck, Harald, 4,822,852, Cl. 525-66.000.

Merten, Rudolf: *See—*

Heywang, Gerhard; Jonas, Friedrich; Merten, Rudolf; and Schmidtberg, Werner, 4,849,492, Cl. 528-48.000.

Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.

Sirinyan, Kirkor; Wolf, Gerhard D.; von Gizycki, Ulrich; and Merten, Rudolf, 4,830,714, Cl. 204-24.000.

Sirinyan, Kirkor; Laue, Hans-Joachim; Merten, Rudolf; Michael, Dietrich; and Tima, Milan-Josef, 4,861,663, Cl. 428-409.000.

Wolf, Gerhard D.; Sirinyan, Kirkor; von Gizycki, Ulrich; and Merten, Rudolf, 4,847,139, Cl. 428-209.000.

Mertens, Alfred; Holck, Jens-Peter; Kampe, Wolfgang; Muller-Beckmann, Bernd; Strein, Klaus; and Schaumann, Wolfgang, to Boehringer Mannheim GmbH. Pyrrolobenzimidazoles, pharmaceutical compositions containing them, and use of them to treat certain heart and circulatory diseases. 4,810,801, 3-7-89, Cl. 548-411.000.

Mertens, Alfred; and Muller-Beckmann, Bernd, to Boehringer Mannheim GmbH. Isoquinolinedione derivatives, pharmaceutical compositions and methods of use. 4,824,835, 4-25-89, Cl. 514-278.000.

Mertens, Alfred; von der Saal, Wolfgang; Muller-Beckmann, Bernd; and Sponer, Gisbert, to Boehringer Mannheim GmbH. Pyridazinone derivatives, and pharmaceutical compositions containing them. 4,847,251, 7-11-89, Cl. 514-247.000.

Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, to Boehringer Mannheim GmbH. Heterocyclic-substituted indoles and pharmaceutical compositions containing them. 4,851,406, 7-25-89, Cl. 514-212.000.

Mertens, Alfred; von der Saal, Wolfgang; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, to Boehringer Mannheim GmbH. Benzodipyrroles, processes for the preparation thereof and pharmaceutical compositions containing them. 4,874,756, 10-17-89, Cl. 514-212.000.

Mertens, Alfred: *See—*

Friebe, Walter-Gunar; Mertens, Alfred; Strein, Klaus; and Boehm, Erwin, 4,863,945, Cl. 514-393.000.

von der Saal, Wolfgang; Mertens, Alfred; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,831,032, Cl. 514-254.000.

von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred, Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,835,167, Cl. 514-359.000.

von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,870,077, Cl. 514-254.000.

von der Saal, Wolfgang; Holck, Jens-Peter; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, 4,882,342, Cl. 514-338.000.

Mertens, Ferdinand; Hasemann, Fred; and Wittig, Norbert, to Trilux-Lenze GmbH & Co. KG. D.C. voltage supply circuit. 4,806,843, 2-21-89, Cl. 323-271.000.

Mertens, Miles A. Fish hook eye cleaner. 4,799,326, 1-24-89, Cl. 43-4.000.

Mertens, Theobald; and Roos, Jurgen, to General Motors Corporation. Hydraulic mounting. 4,796,875, 1-10-89, Cl. 267-140.100.

Mertens, Theobald, to General Motors Corporation. Damping block designed in particular for mounting an engine in a motor vehicle. 4,829,953, 5-16-89, Cl. 123-192.00R.

Mertens, Theobald, to General Motors Corporation. Horn operating means for a motor vehicle steering wheel having two contact plates solely separated by a foam sheet and contactable at spaced points with substantially uniform pressure. 4,882,460, 11-21-89, Cl. 200-512.000.

Mertens, Wilfried: *See—*

Cwielong, Heinrich; Mertens, Wilfried; and Merten, Gerhard, 4,887,991, Cl. 474-92.000.

Mertes, Paul M. Flush mounted, fully concealed cabinet hinges. 4,827,569, 5-9-89, Cl. 16-288.000.

Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, to Lunke & Sohn GmbH; and Daimler-Benz Aktiengesellschaft. Power-assisted lock for vehicles. 4,815,775, 3-28-89, Cl. 292-201.000.

Mertz, Denny W., to Emerson Electric Co. Coil retainer for solenoid. 4,805,870, 2-21-89, Cl. 251-129.150.

Mertz, Gail. Insulative swimming suits for children. 4,853,976, 8-8-89, Cl. 2-67.000.
Mertz, Inc.: *See—*
Bays, Marvin G., 4,802,787, Cl. 404-90.000.
Mertz, Pascal; Thiele, Karl-Heinz A. A. O.; and Stehn, Werner, to Electronic-Werke Deutschland GmbH. Loudspeaker unit. 4,866,780, 9-12-89, Cl. 381-188.000.
Mertz, William J.; and Braun, Robert J., to National Distillers and Chemical Corporation. Copolyester plasticizers for polyvinyl chloride. 4,824,990, 4-25-89, Cl. 560-90.000.
Mertz, William J.; and Braun, Robert J., to National Distillers and Chemical Corp. Polyvinyl chloride compositions plasticized with copolyesters. 4,876,304, 10-24-89, Cl. 524-314.000.
Mertzeisen, Piere H. A.: *See—*
Kleitz, Jean-Pierre; and Mertzeisen, Piere H. A., 4,888,134, Cl. 252-511.000.
Merullo, John G.; and Tepolt, Gary B. Semiconductor wafer coating apparatus with angular oscillation means. 4,850,299, 7-25-89, Cl. 118-52.000.
Mervar, Robert W.: *See—*
Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,796,034, Cl. 354-145.100.
Leonard, Bruce A.; Couch, James S.; and Mervar, Robert W., 4,819,016, Cl. 354-82.000.
Merwarth, Richard J.; and Happel, Brian K., to Hall Processing Systems. High speed drum processing apparatus. 4,813,662, 3-21-89, Cl. 271-315.000.
Mery, Jean-Claude: *See—*
Fargier, Eric; and Mery, Jean-Claude, 4,798,268, Cl. 188-71.500.
Fargier, Eric; and Mery, Jean-Claude, 4,832,160, Cl. 188-1.110.
Fargier, Eric; and Mery, Jean-Claude, 4,848,526, Cl. 188-71.500.
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Merz & Co. GmbH & Co.: *See—*
Beutler, Rolf D.; Wimmer, Thomas; and Angst, Gunhild, 4,808,388, Cl. 424-47.000.
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Merz, Donald M., to General Electric Company. Depth buffer priority processing for real time computer image generating systems. 4,825,391, 4-25-89, Cl. 364-526.000.
Merz, Donald M.: *See—*
Bunker, William M.; Merz, Donald M.; and Fadden, Richard G., 4,811,245, Cl. 364-521.000.
Merz, Friedrich W.: *See—*
Griffiths, Andrew; Norcross, Roy; Scherer, Gerhard; Merz, Friedrich W.; and Gos, Stephen, 4,822,496, Cl. 210-721.000.
Merz, Heinz-Otto; Kerkhoff, Alois-Bernhard; and Storbeck, Wolfgang, to Felix Schoeller, Jr. GmbH & Co. KG. Waterproof photographic paper support. 4,820,582, 4-11-89, Cl. 428-328.000.
Merz, Herbert, to Motoren und Turbinen Union Munchen GmbH. Brush seals of ceramic material for thermal turbomachines. 4,809,990, 3-7-89, Cl. 277-53.000.
Merz, Ludwig: *See—*
Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.
Merz, Patricia A.: *See—*
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Merz, Peter, to Jenny Pressen AC. Process for the low-distortion thermomechanical treatment of workpieces in mass production as well as application of the process. 4,832,764, 5-23-89, Cl. 148-131.000.
Merz, Peter W.; and Zabel, Lutz-Dieter, to Sika AG, vorm. Kaspar Winkler & Co. Reactive, thixotropic hot-melt adhesive on silane basis. 4,871,590, 10-3-89, Cl. 427-387.000.
Merz, Theodore P.: *See—*
Dirksing, Robert S.; Girardot, Richard M.; and Merz, Theodore P., 4,873,100, Cl. 426-111.000.
Merz, Walter, to Swiss Aluminium Ltd. Conduit for transporting finely-divided or fine-granular, dry bulk materials and a process for operation of same. 4,812,085, 3-14-89, Cl. 406-88.000.
Merz, Walter, to Swiss Aluminium Ltd. Conveying device for transportation of flowable materials. 4,826,361, 5-2-89, Cl. 406-60.000.
Merz, Walter, to Hoffmann-La Roche Inc. Method and composition to treat panic syndrome. 4,861,772, 8-29-89, Cl. 514-219.000.
Merzals, Clarence A., to United States of America, Navy. Thermally activated triggering device. 4,843,965, 7-4-89, Cl. 102-205.000.
Merzenich, Michael M.: *See—*
Byers, Charles L.; Loeb, Gerald E.; Merzenich, Michael M.; and Rebscher, Stephen J., 4,819,647, Cl. 128-642.000.
Mesac Corporation: *See—*
Haranoya, Tomoji; Motegi, Toshio; and Abe, Masaaki, 4,879,969, Cl. 118-638.000.
Mesch, Walter, to BASF Aktiengesellschaft. Preparation of 4-methylimidazole. 4,803,281, 2-7-89, Cl. 548-335.000.
Meschi, Luciano. Splicing device for sheet material. 4,832,786, 5-23-89, Cl. 156-506.000.
Meschi, Luciano, to Wully, S.A. Packing case, particularly for sheet material. 4,858,414, 8-22-89, Cl. 53-429.000.
Meschkat, Peter; and Grafl, Katalin, to Alcatel N.V. Receiver for detecting different fixed frequency signals on a telephone trunkline. 4,829,562, 5-9-89, Cl. 379-235.000.
Meschkat, Peter; and Zanzig, Jurgen, to Alcatel N.V. Electronic hybrid circuit. 4,881,262, 11-14-89, Cl. 379-402.000.
Meschke, Debra J.; and Hoy, Kenneth L., to Union Carbide Corporation. Connected branch copolymers, methods for their production, and copying materials including same. 4,855,403, 8-8-89, Cl. 528-419.000.
Meschke, Debra J.; and Hoy, Kenneth L., to Union Carbide Corporation. Lubrication method and compositions for use therein. 4,857,218, 8-15-89, Cl. 252-49.300.
Meschter, Peter; Lederich, Richard J.; and O'Neal, James E., to United States of America, Administrator, National Aeronautics and Space Administration. Elevated temperature aluminum alloys. 4,861,551, 8-29-89, Cl. 420-533.000.
Mesdan S.p.A.: *See—*
Cottenceau, Remi; and Zurcher, Erwin, 4,829,759, Cl. 57-22.000.
Cottenceau, Remi; and Zurcher, Erwin, 4,888,943, Cl. 57-22.000.
Premi, Mauro, 4,852,339, Cl. 57-22.000.
Meseltron S.A.: *See—*
Ecoffey, Olivier; Mueller, Theodore; and Sigg, Hans, 4,876,883, Cl. 73-37.500.
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Sigg, Hans, 4,831,785, Cl. 51-165.00R.
Wegmann, Heinz, 4,821,460, Cl. 51-165.920.
Mesenhoeller, Hans. Ratchet-type wrench. 4,794,829, 1-3-89, Cl. 81-177.800.
Mesenich, Gerhard, to Colt Industries, Inc. Combined fuel injector and pressure regulator assembly. 4,798,329, 1-17-89, Cl. 239-5.000.
Mesenich, Gerhard, to Colt Industries, Inc. Electromagnet for valves. 4,810,985, 3-7-89, Cl. 335-261.000.
Mesenich, Gerhard, to Colt Industries Inc. Electromagnet and valve assembly. 4,883,252, 11-28-89, Cl. 251-129.180.
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Meserol, Peter M.; and Palmieri, Thomas, to Personal Diagnostics, Inc. Cuvette. 4,873,993, 10-17-89, Cl. 128-760.000.
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Mesnel, Francois; and Mesnel, Gerard, to Establissements Mesnel. Deformable sealing member. 4,888,917, 12-26-89, Cl. 49-479.000.
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Metais, Jacques J. Device for the collection of various substances present in a liquid. 4,879,026, 11-7-89, Cl. 210-123.000.
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  Ball, Martin F., 4,804,116, Cl. 222-402.160.
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  Ball, Martin F., 4,830,229, Cl. 222-209.000.
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  Collins, Malcolm G.; and Parry, Christopher S., 4,799,306, C 29-453.000.
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  Beisswenger, Hans; Knoche, Ronald; and Frank, Wolfgang 4,817,563, Cl. 122-4.00D.
  Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Gerken, Rudolf and Lailach, Gunter, 4,834,954, Cl. 423-242.000.
  Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Fenneman Wolfgang; and Ohlms, Norbert, 4,842,835, Cl. 423-242.000.
  Dworak, Rainer; and Lohrberg, Karl, 4,839,003, Cl. 204-98.000.
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  Elsenheimer, Gerd; and Schnabel, Wolfram, 4,838,934, C 75-36.000.
  Fennemann, Wolfgang, 4,851,202, Cl. 423-239.000.
  Graf, Rolf, 4,810,478, Cl. 423-244.000.
  Grunewald, Gerhard; and Alunic, Emil, 4,824,452, Cl. 62-20.000.
  Grunewald, Gerhard; and Alunic, Emil, 4,830,639, Cl. 55-44.000.
  Grunewald, Gerhard; and Kriebel, Manfred, 4,840,648, C 55-44.000.
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  Hirsch, Martin; Rose, Fritz; and Serbent, Harry, 4,806,158, C 75-26.000.
  Jury, Egon, 4,832,710, Cl. 55-1.000.
  Jury, Egon, 4,874,400, Cl. 55-8.000.
  Karbach, Alfred; Schaub, Georg; and Peters, Rolf, 4,884,408, C 60-667.000.
  Kreth, Wolfgang; and Griebler, Wolf-Dieter, 4,885,034, C 106-449.000.
  Leluschko, Georg; Michler, Willi; and Koy, Hermann, 4,848,96 Cl. 55-152.000.
  Lohrberg, Karl; and Kohl, Peter, 4,839,013, Cl. 204-258.000.
  Maxeiner, Heinz; Kruske, Gerhard; and Reimann, Hartwig 4,859,541, Cl. 428-545.000.
  Neulinger, Franz; Schummer, Helmut; Donig, Gerhard; and Schmidt, Walter, 4,873,620, Cl. 363-57.000.
  Oei, Han Yong; Siemund, Gunter; and Vey, Rudolf, 4,824,490, C 148-259.000.
  Reifferscheid, Karl J., 4,874,576, Cl. 420-22.000.
  Sattler, Hans-Peter; and Nichtweiss, Bernd, 4,883,584, C 209-38.000.
  Schmidt, Hermann; and Skroch, Rainer, 4,844,718, Cl. 55-13.000
  Serbent, Harry, deceased, 4,846,083, Cl. 110-344.000.
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  Von Jordan, Wenzel; Draf, Rolf; Grone, Dieter; and Sauer, Harald, 4,877,598, Cl. 423-640.000.
  Weisweiler, Werner, 4,847,054, Cl. 423-239.000.
Metallifacture, Ltd.: *See—*
  Walters, John E., 4,854,187, Cl. 74-535.000.
Metallized Carbon Corporation: *See—*
  Siebert, Craig; and Scott, Martin, 4,854,747, Cl. 384-447.000.
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  Muller, Gunter; Nagel, Rolf; and Stahli, Jurg, 4,874,812, Cl. 524-712.000.
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  Berchem, Rutger; and Prokscha, Georg, 4,804,207, Cl. 285-16.000.
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  Berchem, Rutger, 4,315,704, Cl. 251-315.000.
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Metallurgical Industries, Inc.: *See—*
  Saltzman, Gilbert A.; Wertz, Timothy A.; and Friedman, Ira L., 4,864,094, Cl. 219-77.000.
  Saltzman, Gilbert A.; Wertz, Timothy A.; and Friedman, Ira L., 4,878,953, Cl. 148-4.000.
  Wertz, Timothy A.; Saltzman, Gilbert A.; and Friedman, Ira L., 4,808,055, Cl. 416-224.000.
  Wertz, Timothy A.; Saltzman, Gilbert A.; and Friedman, Ira L., 4,822,248, Cl. 416-192.000.
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  Hasenkamp, Friederich, 4,807,350, Cl. 29-430.000.
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  Heuchert, Karl H., 4,835,907, Cl. 49-352.000.
Metaux Speciaux S.A.: *See—*
  Roumieu, Raymond, 4,842,254, Cl. 266-88.000.
Metcal, Inc.: *See—*
  Carter, Philip S., 4,814,587, Cl. 219-552.000.
  Carter, Philip S., Jr., 4,795,886, Cl. 219-505.000.
  Cowell, Mark J., 4,839,501, Cl. 219-237.000.
  Cowell, Mark J.; Ladd, Kevin; and Carter, Philip S., Jr., 4,877,944, Cl. 219-548.000.
  Krumme, John F.; and Cowell, Mark J., 4,795,870, Cl. 219-9.500.
Metcalf, Brian W.: *See—*
  Holt, Dennis A.; Levy, Mark A.; and Metcalf, Brian W., 4,882,319, Cl. 514-119.000.
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Metcalf, Darrell J. Computer diskette dispenser and storage device. 4,867,311, 9-19-89, Cl. 206-444.000.
Metcalf, Derek N. G., to Athena Industries, Inc. Display hook structure. 4,832,298, 5-23-89, Cl. 248-222.200.
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  Hall, Harold L.; and Metcalf, Donald, 4,882,787, Cl. 2-161.00A.
Metcalf, Jeffrey D., to Sundstrand Corp. Overtravel stop and neutral position lock. 4,865,269, 9-12-89, Cl. 244-75.00A.
Metcalf, Jeffrey D.; and Klopfenstein, Brent A., to Sundstrand Corporation. Shock absorbing overtravel stop. 4,867,295, 9-19-89, Cl. 192-141.000.
Metcalf, Jeffrey D.; and Layer, John C., to Sundstrand Corporation. Governor checkout apparatus and method. 4,869,106, 9-26-89, Cl. 73-509.000.
Metcalf, Jeffrey D.; and Klopfenstein, Brent A., to Sundstrand Corp. Three position dual failure shut-off valve system. 4,884,40[illegible], 12-5-89, Cl. 60-403.000.
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  Montalvo, William W., III; and Metcalf, Philip R., Jr., 4,860,865, Cl. 192-70.000.
Metcalf, Robert L.; and Lampman, Richard L., to University of Illinois, The Board of Trustees of the. Volatile attractants for diabrotica species. 4,880,624, 11-14-89, Cl. 424-84.000.
Metcalfe, Christopher I.: *See—*
  DeSaro, Robert; Doyle, Edward F.; Metcalfe, Christopher I.; and Patch, Keith D., 4,875,919, Cl. 65-27.000.
Metcalfe, George T.; and Burton, Alan, to Vormet Quality Fabrication Close/Corporation. Frame work. 4,869,380, 9-26-89, Cl. 211-189.000.
Metcalfe, Joseph E.: *See—*
  Leff, Alan A.; Metcalfe, Joseph E.; Velenyi, Louis J.; and Paparizos, Christos, 4,822,940, Cl. 585-415.000.
Metcalfe, L. D.; Maczuzak, Michael J.; Bailey, Curtis J.; and Deyo, Paul R., to Whirlpool Corporation. Refrigerator door structure. 4,801,182, 1-31-89, Cl. 312-309.000.
Metcalfe, Lincoln D.: *See—*
  Frank, Dieter; Metcalfe, Lincoln D.; and Park, John Y., 4,806,520, Cl. 502-402.000.
Metcalfe, Peter J., to Smith and Nephew Associated Companies p.l.c. Products, processes and use. 4,863,778, 9-5-89, Cl. 428-131.000.
Metcalfe, Raymond; and Wensel, Ronald G., to Atomic Energy of Canada Limited. Elastodynamic testing of elongate compressible material. 4,848,162, 7-18-89, Cl. 73-824.000.
Metcoff, Dale M.; and Holzboog, Walter, to Epic Corporation. Aerosol tilt valve mounting cup and assembly. 4,805,813, 2-21-89, Cl. 222-402.220.
Metcoff, Jack, to University of Oklahoma, The Board of Regents for the. Method of nutritional assessment and therapy. 4,818,516, 4-4-89, Cl. 424-9.000.
Metelitsa, Vladimir I.: *See—*
  Bobman, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Metelitsa, Vladimir I.; Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., 4,842,854, Cl. 424-81.000.
Meteor AG: *See—*
  Arnold, Ernst, 4,817,888, Cl. 242-7.090.
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  Ruben, Nikolaus; and Tresch, Josef, 4,834,305, Cl. 242-7.05A.
Meter, Thomas V.: *See—*
  Gerich, Horst; and Meter, Thomas V., 4,819,636, Cl. 128-318.000.
Metevia, Virgil L.: *See—*
  Sweet, Randall P.; Miller, Patrick J.; and Metevia, Virgil L., 4,882,377, Cl. 524-267.000.
Metex Corporation: *See—*
  Usher, Peter P.; Gavaletz, Eugene J.; and Slonksnes, John, 4,871,181, Cl. 277-229.000.
Methe, David E.: *See—*
  Botsco, Ronald J.; Jones, Robert L.; and Methe, David E., 4,840,066, Cl. 73-597.000.
Methling, Dieter: *See—*
  Baatz, Henning; and Methling, Dieter, 4,866,286, Cl. 250-507.100.
Methode Electronics, Inc.: *See—*
  Best, Gary R., 4,837,411, Cl. 200-5.90A.
  Jensen, William T.; Brown, Vincent B.; Edgerton, Cathy J.; and Masterson, Robert W., 4,857,002, Cl. 439-76.000.
  Wende, Russell E., 4,797,109, Cl. 439-15.000.
Methodist Hospital System, The: *See—*
  Cole, Malcolm P., Jr., 4,887,609, Cl. 128-696.000.
Methot, Hector F. Rotary cylinder displacement mechanism. 4,864,917, 9-12-89, Cl. 92-55.000.
Metivier, Christian: *See—*
  David, Guy; Lacasse, Claude; Metivier, Christian; and Veillette, Luc, 4,866,594, Cl. 364-138.000.
Metlitsky, Boris; and Krichever, Mark J., to Symbol Technologies, Inc. Multidirectional optical scanner. 4,871,904, 10-3-89, Cl. 235-467.000.
Metlitsky, Boris: *See—*
  Krichever, Mark J.; Metlitsky, Boris; and Swartz, Jerome, 4,808,804, Cl. 235-462.000.
  Krichever, Mark J.; and Metlitsky, Boris, 4,816,661, Cl. 235-472.000.
  Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,806,742, Cl. 235-472.000.
  Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
  Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,825,057, Cl. 235-472.000.
  Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.
Metlon Corporation: *See—*
  Resch, Joseph B., 4,867,391, Cl. 242-118.500.
Metme Corporation: *See—*
  Bloy, Graham P.; and Ball, William, 4,853,963, Cl. 381-31.000.
Metoki, Iku: *See—*
  Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.
Metokote Corporation: *See—*
  Blankemeyer, Robert L.; and Blankeyemer, James C., 4,872,419, Cl. 118-713.000.
Metoku, Yoshiharu: *See—*
  Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.
Metpost Ltd.: *See—*
  Mills, Derek J., 4,860,940, Cl. 228-173.400.
Metravib R.D.S.: *See—*
  Pierre, Andre; Batllteu, Francois; Brosselard, Jean-Pierre; Permuy, Alfred; Pirot, Francois-Xavier; and Spirkovitch, Serge, 4,873,868, Cl. 73-517.00R.
Metric Products, Inc.: *See—*
  Skov, Martin R., 4,850,347, Cl. 128-206.160.
Metricase Corporation: *See—*
  Purdy, Richard L., 4,844,280, Cl. 220-71.000.
Metrick, Stanley G., to AFG Glass Inc. Tape for sealing glazing unit. 4,803,820, 2-14-89, Cl. 52-397.000.
Metricom, Inc.: *See—*
  Baran, Paul; and Knutson, Timothy J., 4,835,463, Cl. 324-123.00R.
Metripond Merleggyar: *See—*
  Tari, Gabor; and Hari, Laszlo, 4,858,903, Cl. 269-328.000.
Metritape, Inc.: *See—*
  Ehrenfried, Albert D.; and Dabrowski, Michael D., 4,816,799, Cl. 338-13.000.
Metro Denso Kabushiki Kaisha: *See—*
  Tanaka, Masao, 4,845,320, Cl. 200-1.00B.
  Tanaka, Masao, 4,859,816, Cl. 200-61.270.
Metro, Stephen J.: *See—*
  Wisotsky, Max J.; and Metro, Stephen J., 4,877,541, Cl. 252-47.500.
Metroka, Michael P., Davis, Scott B.; and Gargulak, P. J., to Motorola, Inc. Portable radiotelephone with control switch disabling. 4,845,772, 7-4-89, Cl. 379-61.000.
Metroka, Michael P.: *See—*
  Walczak, Thomas J.; and Metroka, Michael P., 4,798,975, Cl. 307-350.000.

Metrologic Instruments, Inc.: *See—*
Knowles, Carl H., 4,805,175, Cl. 372-24.000.

Metromedia Company: *See—*
Gordon, Thomas; and Wood, Kenneth O., 4,811,038, Cl. 346-140.00R.

Metronic Electronic GmbH: *See—*
Bucher, Heinz, 4,876,752, Cl. 4-542.000.
Bucher, Heinz, 4,876,753, Cl. 4-542.000.

Metroplex Action, Inc.: *See—*
George, Sherman L., 4,825,574, Cl. 40-158.100.

Metropolitan Sanitary District of Greater Chicago, The: *See—*
Lue-Hing, Cecil; and Kelada, Nabih P., 4,804,631, Cl. 436-109.000.

Metropolitan Wire Corporation: *See—*
Cohn, Robert J.; Olsson, Frank C.; Holzman, James W.; and Santarelli, Paul, 4,846,537, Cl. 312-229.000.

Metsarinta, Maija-Leena: *See—*
Talonen, Timo T.; I Poijarvi, Jaakko T.; and Metsarinta, Maija-Leena, 4,861,577, Cl. 423-577.000.

Metsec plc: *See—*
Tilsley, Stephen R., and MacCarthy, Ian P., 4,817,355, Cl. 52-407.000.

Metshkov, Grigor M.: *See—*
Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Mette, Manfred, to Nordischer Maschinenbau Rud. Baader GmbH & Co. KG. Installation for the continuous heat treatment of foodstuffs. 4,796,523, 1-10-89, Cl. 99-470.000.

Mette, Ulrich: *See—*
Blumberg, Willy; Schutt, Hans J.; Mette, Ulrich; Barbet, Karl H.; Busse, Fritz; and Klier, Benno, 4,812,073, Cl. 403-134.000.

Metter Instrumente AG: *See—*
Kunz, Peter, 4,872,522, Cl. 177-229.000.

Metters, John R., to Aegis Medical Corporation. Fluid barrier for medical dressing. 4,829,995, 5-16-89, Cl. 128-156.000.

Metters, John R., to Aegis Medical Corporation. Dispenser apparatus. 4,830,183, 5-16-89, Cl. 206-441.000.

Mettes, Hal J.; and Bocock, Richard L., to Schlumberger Technology Corporation. Shielded cable. 4,868,565, 9-19-89, Cl. 340-856.000.

Metti, Robert H., to Chrysler Motors Corporation. Vehicle tail light construction. 4,796,165, 1-3-89, Cl. 362-80.000.

Mettler, Hanspeter, to Lonza Ltd. Process for the production of aminomalonic acid dinitrile salts. 4,827,015, 5-2-89, Cl. 558-453.000.

Mettler Instrumente AG: *See—*
Baumann, Arthur, 4,814,692, Cl. 324-62.000.
Baumann, Arthur, 4,858,161, Cl. 364-571.030.
Frueh, Peter, 4,859,608, Cl. 436-163.000.
Kunz, Peter, 4,858,711, Cl. 177-212.000.
Strickler, Ernst; and Wild, Hansueli, 4,883,444, Cl. 464-160.000.

Mettler Instruments AG: *See—*
Erb, Karl J., 4,799,798, Cl. 356-374.000.
Kubli, Rudolf; and Wachter, Hanspeter, 4,862,401, Cl. 364-710.070.
Kunz, Peter, 4,875,534, Cl. 177-212.000.
Reichmuth, Arthur, 4,860,839, Cl. 177-185.000.

Mettoudi, Isaac; and Lafranca, Francois, to Societe Anonyme dite Alcatel Thomson Faisceaux Hertziens. Microwave oscillator having a dielectric resonator, in particular for the 22 GHz range. 4,862,111, 8-29-89, Cl. 331-96.000.

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Meinig, Manfred, 4,822,083, Cl. 285-367.000.
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Metz, Arthur J., to Tektronix, Inc. Adjustable delay element for digital systems. 4,801,827, 1-31-89, Cl. 307-602.000.

Metz, Barbara A.: *See—*
Armington, Steven E.; Halperin, Stephen A.; Pickett, Gordon E.; and Metz, Barbara A., 4,806,410, Cl. 428-126.000.

Metz, Charles E.: *See—*
Fencil, Laura E.; Metz, Charles E.; and Doi, Kunio, 4,875,165, Cl. 364-413.220.

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Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.
Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.

Metz, George D.; McCrary, Carl; O'Connor, Joseph G.; Adair, Paul C.; Proehl, D. Scott; Saccocio, Edward J.; and Dowler, James, to Mead Corporation, The. Developer sheet useful in providing transparencies or reproductions having a controlled gloss finish. 4,859,561, 8-22-89, Cl. 430-138.000.

Metz, Hans J.; and Warning, Klaus, to Hoechst Aktiengesellschaft. Process for preparing aromatic bromine compounds. 4,855,517, 8-8-89, Cl. 570-206.000.

Metz, Hans-Joerg: *See—*
Matejec, Reinhart; Becker, Manfred; Odenwalder, Heinrich; and Metz, Hans-Joerg, 4,820,616, Cl. 430-543.000.

Metz, Harald: *See—*
Ebeling, Wolfgang; Metz, Harald; Brummer, Wolfgang; Schmid, Gunter; and Behrendt, Ulrich, 4,800,161, Cl. 435-233.000.

Metz, Jean: *See—*
Mailliet, Pierre; and Metz, Jean, 4,796,869, Cl. 266-271.000.

Metz, Josef, to Rheinmetall GmbH. Recoil brake for a gun. 4,867,03 9-19-89, Cl. 89-43.010.

Metz, Josef, to Rheinmetall GmbH. Recoil brake for a gun having heat equalization and indication device. 4,875,402, 10-24-89, C 89-43.010.

Metz, Josef: *See—*
Bierwirth, Adolf-Peter; Sauerwald, Walter; Hulsewis; and Me Josef, 4,838,144, Cl. 89-46.000.

Metz, Kenneth D.; Haggerty, John W.; and Alf, Steven W., to Jenn Inc. Closure mechanism for liquid containers. 4,836,419, 6-6-89, C 222-110.000.

Metz, Michael; Tokarz, Joseph S.; and Jensen, Marvin E., to Holl Incorporated. Female urinary incontinence device with forward directed discharge passage and support surface portions. 4,889,5 12-26-89, Cl. 604-330.000.

Metz, Paul. Method for treating metal melts and apparatus for carrying out the method. 4,808,219, 2-28-89, Cl. 75-10.140.

Metz, Paul, to Centrem S.A. Method and apparatus for producing an further processing metallic substances. 4,863,509, 9-5-89, Cl. 7 0.50C.

Metz, Robert J.: *See—*
Dobreski, David V.; Metz, Robert J.; and Morris, James, 4,820,59 Cl. 428-422.000.
Sovran, Joseph G.; and Metz, Robert J., 4,865,700, Cl. 204-51.0

Metz, Theodore R.: *See—*
Okolischan, Raymond A.; Wood, William C.; and Metz, Theodo R., 4,832,325, Cl. 269-305.000.
Okolischan, Raymond A.; Wood, William C.; and Metz, Theodo R., 4,834,358, Cl. 269-309.000.

Metzeler GmbH: *See—*
Bitschkus, Horst; Hofmann, Manfred; Klockner, Karl-Hei Nelles, Uwe; and Siewert, Gunther, 4,852,864, Cl. 267-219.0
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Vohl, Hans-Jurgen, 4,882,944, Cl. 74-574.000.

Metzeler Kautschuk GmbH: *See—*
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Heynemann, Carl; and Hundt, Werner, 4,826,142, Cl. 267-140.1
Sprang, Rudiger; and Waldecker, Ralf, 4,817,925, Cl. 267-140.1

Metzelfeld, Glenn S.; Buckely, James A. V.; and Brown, Donald D., t Hayes Industrial Brake, Inc. Tab-aligned replaceable cartridge fo master cylinder. 4,878,346, 11-7-89, Cl. 60-588.000.

Metzelfeld, Glenn S.: *See—*
Buckley, James A. V.; Brown, Donald D.; and Metzelfeld, Glen S., 4,878,567, Cl. 192-18.00R.

Metzen, Heinz, to A. Monforts GmbH & Co. Apparatus and method fo shrink treating a textile fabric web. 4,888,860, 12-26-89, Cl. 26-18

Metzger, Andre; Grimm, Peter; Nohl, Andre J.; and Nau, Vance J., t Ciba-Geigy Corporation. Process for preparation of samples fo analysis. 4,859,605, 8-22-89, Cl. 436-43.000.

Metzger, Andre: *See—*
Nohl, Andre J.; Nau, Vance J.; and Metzger, Andre, 4,823,622, C 73-863.710.
Nohl, Andre J.; Nau, Vance J.; and Metzger, Andre, 4,836,037, C 73-864.160.
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Metzger, Edward C. R.: *See—*
Denny, David S.; Metzger, Edward C. R.; Rexroad, John; an Glynn, William, 4,875,549, Cl. 182-138.000.

Metzger, Edward R.: *See—*
Denny, David S.; Metzger, Edward R.; Rexroad, John; and Glyn William, 4,815,562, Cl. 182-138.000.

Metzger, Frederick W. Method of making of header for automotive a conditioner evaporator. 4,827,590, 5-9-89, Cl. 29-157.400.

Metzger, James I., Jr.; and Claghorn, Roger O., to Emerson Elec Co. Rip fence for table saw. 4,846,036, 7-11-89, Cl. 83-438.00

Metzger, Jean, to Societe ATOCHEM. Continuous process for th preparation of carbon polymonofluoride and apparatus theref 4,855,121, 8-8-89, Cl. 423-439.000.

Metzger, Karl G.: *See—*
Angerbauer, Rolf; Boberg, Michael; Metzger, Karl G.; and Zeil Hans-Joachim, 4,880,795, Cl. 514-202.000.
Boberg, Michael; Metzger, Karl G.; and Zeiler, Hans-Joachim, 4,808,724, Cl. 548-194.000.
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Metzger, Raymond H.: *See—*
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Polaschegg, Hans-Dietrich; Westphal, Detlef; and Metzner, Klaus, 4,835,477, Cl. 324-439.000.

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Schaber, Hans-Christian; and Meul, Hans-Willi, 4,829,015, Cl. 437-31.000.

Meul, Thomas, to Lonza Ltd. Synthesis of tetramic acid. 4,812,578, 3-14-89, Cl. 548-544.000.

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Meuschke, Robert E.; and Boyd, Charles H., to Westinghouse Electric Corp. Method for limiting movement of a thermal shield for a nuclear reactor, and thermal shield displacement limiter therefor. 4,849,158, 7-18-89, Cl. 376-285.000.

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Meusy, Andre. Method for activating the combustion in a heating apparatus using solid fuel, and chimney for implementing such method. 4,881,522, 11-21-89, Cl. 126-540.000.

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Mevenkamp, Paul, to Uhde GmbH. Device for cooling thick wall members. 4,869,315, 9-26-89, Cl. 165-142.000.

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Mewburn-Crook, Anthony J. S.; Bullen, Peter; and Read, Simon, 4,857,753, Cl. 290-55.000.

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Meyer, Adolf, to Heidelberger Zement AG. Tension chord made of hydraulically setting masses. 4,810,552, 3-7-89, Cl. 428-113.000.

Meyer, Alfons. Draw-string carrying bag. 4,878,764, 11-7-89, Cl. 383-72.000.

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Meyer, Armin, to Ciba-Geigy AG. Process and apparatus for the preparation of photographic images from transparent masters. 4,878,111, 10-31-89, Cl. 358-75.000.

Meyer, Bernard H.; Kinslow, Joseph C.; Arch, Paul E.; and Meek, D. Harper, to Arco Chemical Technology, Inc. Dibutyltin compounds in styrene monomer polymerization. 4,853,445, 8-1-89, Cl. 526-190.000.

Meyer, Bernd: *See—*
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Meyer, Carl H. W.: *See—*
Matyas, Stephen M., Jr.; Meyer, Carl H. W.; and Brachtl, Bruno O., 4,850,017, Cl. 380-21.000.

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Kawolics, Raymond P., 4,881,664, Cl. 222-153.000.
Kowalics, Raymond P.; and Sidoti, Kenneth C., 4,803,920, Cl. 99-348.000.
Kowalics, Raymond P.; Sidoti, Kenneth C.; and Beery, Richard L., 4,817,510, Cl. 99-331.000.
Leigh, James P.; and Roethel, Henry G., 4,881,669, Cl. 222-505.000.
Roethel, Henry G.; and Leigh, James P., 4,887,742, Cl. 222-153.000.
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Meyer, David A., to Honeywell Inc. Delay discarding sabot projectile. 4,800,816, 1-31-89, Cl. 102-523.000.
Meyer, David A.: *See—*
Cure, Richard L.; and Meyer, David A., 4,853,134, Cl. 210-742.000.
Meyer, David D.: *See—*
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Meyer, David R. Mortise cylinder lock guard. 4,884,424, 12-5-89, Cl. 70-427.000.
Meyer, Deane L. Apparatus for restraining an animal within a preselected area. 4,834,027, 5-30-89, Cl. 119-120.000.
Meyer, Dennis A.: *See—*
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Meyer, Dennis W.; and Klienhuzen, David W. Combined spreading and sifting device for leveling soil. 4,827,706, 5-9-89, Cl. 56-400.050.
Meyer, Dieter, to Paper Converting Machine GmbH. Package handling and re-orienting apparatus, particularly compressive paper rolls, such as toilet paper, kitchen towels, and the like. 4,874,078, 10-17-89, Cl. 198-409.000.
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Meyer, Dominique: *See—*
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Meyer, Edmond G.; Meyer, Lee G.; and Cavaliere, Gerald F., to Carbon Fuels Corporation. Method of refining coal by hydrodisproportionation. 4,832,831, 5-23-89, Cl. 208-431.000.
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Meyer, Eugene M. Decking insulation fastener. 4,884,932, 12-5-89, Cl. 411-373.000.
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Meyer, Francois; Hinnen, Albert; Meister, Andreas; Grutter, Markus G.; and Alkan, Sefik, to Ciba-Geigy Corporation. Hybrid interferons. 4,885,166, 12-5-89, Cl. 424-85.700.
Meyer, Frank W., Jr., to Worldwide Oilfield Machine, Inc. Valve seat assembly. 4,878,651, 11-7-89, Cl. 251-172.000.
Meyer, Gabriel; and Howald, Ernst, to Medicorp Holding S.A. Prefilled ampoule-syringe. 4,809,711, 3-7-89, Cl. 128-766.000.
Meyer geb. Klopfer, Olga: *See—*
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Meyer, Georg: *See—*
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Meyer, George A., IV; and Coleman, Robert F., to Thermacore, Inc. Heat pipe cooling plate. 4,880,052, 11-14-89, Cl. 165-104.140.
Meyer, George R.; and Lyons, Walter R., Jr., to Nalco Chemical Company. Hydrocarbon fuel detergent. 4,863,487, 9-5-89, Cl. 44-63.000.
Meyer, George R., to Nalco Chemical Company. Amine neutralized alkenylsuccinic anhydride propylene glycol adducts as corrosion inhibitors for hydrocarbon fuels. 4,874,395, 10-17-89, Cl. 44-71.000.
Meyer, Gerard B.: *See—*
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Meyer, Gerhard: *See—*
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Meyer, Gregory P.: *See—*
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Meyer, Hans. Instrument for measuring vertical distances. 4,845,855, 7-11-89, Cl. 33-832.000.
Meyer, Hans: *See—*
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Meyer, Hans R., to Ciba-Geigy Corporation. Pyrazoline compou and method of whitening. 4,816,590, 3-28-89, Cl. 548-379.000.
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Meyer, Hans-Robert; and Wiemann, Hans-Joachim, to Ernst Winter Sohn (GmbH & CO.). Method of depositing a wear-protective la on a cutting tool and wear protective layer produced by the metho 4,842,937, 6-27-89, Cl. 428-408.000.
Meyer, Hans U. Capacitative device for measuring lengths and ang 4,810,951, 3-7-89, Cl. 324-61.00R.
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Meyer, Helmut; and Seeberger, Jurgen, to Heidelberger Druckma chinen AG. Method and device for measuring the temperature of brushless d-c motor. 4,879,497, 11-7-89, Cl. 318-254.000.
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Meyer, Herbert J.: *See—*
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Meyer, Holger. Deodorant. 4,883,651, 11-28-89, Cl. 424-47.000.
Meyer, Horst; Schwenner, Eckhard; and Knorr, Andreas, to Ba Aktiengesellschaft. Circulation-active tetrahydropyridine-3-carbo trile derivatives. 4,885,303, 12-5-89, Cl. 514-332.000.
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Meyer, Jack D.: *See—*
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Meyer, Jacques; Bouchet, Jean M.; and Lande, Jean P., to Frama Process and apparatus for control and monitoring of installation transmission of information and of commands by optical m 4,817,202, 3-28-89, Cl. 455-603.000.
Meyer, James M.: *See—*
Berven, O. Jeffrey; and Meyer, James M., 4,816,191, Cl. 261-07
Meyer, Jean-Luc, to Cegedur Societe de Transformation l'Aluminium Pechiney. Method of adjustment to the level of the in of contact between the free surface of the metal and the ingot mo in the vertical casting of products of any cross-section. 4,844, 7-18-89, Cl. 164-466.000.
Meyer, Jean-Luc: *See—*
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Meyer, Jean-Marc; and Mizandjian, Jean-Luc, to L'Air Liquide, S ciete Anonyme pour l'Etude et l'Exploitation des Procedes Geo Claude. Apparatus for providing inert atmosphere in airtight pa ages for food products. 4,835,937, 6-6-89, Cl. 53-88.000.
Meyer, Jean-Philippe: *See—*
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Meyer, Jeannette L. Water fillable mattress with cover. 4,845, 7-11-89, Cl. 5-451.000.
Meyer, Joao: *See—*
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Meyer & John GmbH & Co. Tief- und Rohrleitungsbau: *See—*
John, Hans-Jurgen, 4,808,032, Cl. 405-184.000.
Meyer, John P. Log splitter improvements. 4,842,030, 6-27-89, C 144-193.00A.
Meyer, Jon A.: *See—*
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Meyer, Joseph A.; and Frank, John H., to Gradall Company, T Extended reach materials handling apparatus. 4,822,237, 4-11-8 414-708.000.
Meyer, Just B., to Kembo B.V. Chair or armchair. 4,799,735, 1-2 Cl. 297-440.000.
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Meyer, Kerry L.; and Topolewski, John, to United States of Ame Energy. Test probe for surface mounted leadless chip ca 4,833,404, 5-23-89, Cl. 324-158.00P.
Meyer, Kerry L.: *See—*
O'Neall, Donald L.; and Meyer, Kerry L., 4,883,128, 172-430.000.
Meyer, Klaus-Rudolf; Venn, Ingo; and Mueller-Niescher, Ursul Huels Aktiengesellschaft. Process for the hydrolytic preparation o

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Meyer, Lawrence D.: *See—*
Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., 4,820,027, Cl. 350-347.00E.
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Meyer, Lawrence L., to Philips Home Products, Inc. Dual vacuum cleaner. 4,845,793, 7-11-89, Cl. 15-328.000.
Meyer, Lee G.: *See—*
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Meyer, Edmond G.; and Meyer, Lee G., 4,854,937, Cl. 44-51.000.
Meyer, Louis W.; Vanderhider, James A.; and Carswell, Robert, to Dow Chemical Company, The. Internal mold release compositions. 4,876,019, 10-24-89, Cl. 252-32.500.
Meyer, Louis W.: *See—*
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Meyer, Mark Q.: *See—*
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Meyer, Maurice A., to Micronav Ltd. Scanning antenna having amplitude and phase distribution diversity. 4,819,000, 4-4-89, Cl. 342-408.000.
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Meyer, Robert R., to Meyer Flooring Inc. Extension cord/tool carrier. 4,875,878, 10-24-89, Cl. 439-501.000.
Meyer, Robert W., to Combustion Concepts, Inc. Steel reheating furnace. 4,884,967, 12-5-89, Cl. 432-127.000.
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Meyer, Rudolph; and Specht, Martin, to BSRD Limited. Automatic rewinding type safety belt retractors. 4,796,918, 1-10-89, Cl. 280-806.000.
Meyer-Rudolphi, Karl U.; and Herle, Alexander. Element for the transfer of gas into liquids, in particular, for the transfer of oxygen in sewage treatment plants. 4,820,412, 4-11-89, Cl. 210-220.000.
Meyer, Serge-E-H, to Siemens Aktiengesellschaft. Hearing aid with interchangeable battery compartment and audio connection. 4,890,330, 12-26-89, Cl. 381-69.200.
Meyer, Stanley A. Gas generator voltage control circuit. 4,798,661, 1-17-89, Cl. 204-228.000.
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Meyer, Stephen C.; Lance, Roger L.; Hetzler, Connie L.; Dunkerly, Cedric A., II; Roessler, Thomas H.; Zenker, David L.; and Sciaraffa, Michael A., to Kimberly-Clark Corporation. Absorbent article having a hydrophobic transport layer. 4,798,603, 1-17-89, Cl. 604-378.000.
Meyer, Stephen F.; and Hood, Thomas G., to Southwall Technologies, Inc. Heat reflecting composite films and glazing products containing the same. 4,799,745, 1-24-89, Cl. 350-1.700.
Meyer, Stephen F., to Southwall Technologies. Apparatus for obtaining transverse uniformity during thin film deposition on extended substrate. 4,849,087, 7-18-89, Cl. 204-298.000.
Meyer, Stephen F.; and Sans, Claude A., to Southwall Technologies. Bronze-grey glazing film and window made therefrom. 4,861,680, 8-29-89, Cl. 428-623.000.
Meyer, Stephen R., to Rosemount Inc. Heater clamp for injection molding. 4,859,176, 8-22-89, Cl. 432-225.000.
Meyer Swantee, Klaus B., to Pidou B.V. Bushing. 4,855,533, 8-8-89, Cl. 174-35.00R.
Meyer, Thomas A. Multi-functional nursery cultivator. 4,813,175, 3-21-89, Cl. 47-1.700.
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Meyer, Wilfred C., to Dow Chemical Company, The. Polymeric blend useful in thin-bed mortar compositions comprising a water-soluble cellulose ether and a water-insoluble, but water-dispersible polymer. 4,846,889, 7-11-89, Cl. 106-115.000.

Meyer, Wilhelm, to Wilhelm Meyer GmbH & Co. KG. Electrical joy stick control device. 4,849,583, 7-18-89, Cl. 200-6.00A.

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- Swanson, Thomas K.; and Meyers, Elwood J., 4,855,702, Cl. 335-261.000.

Meyers, Joel. Cover plate for electrical receptacles. 4,810,833, 3-7-89, Cl. 174-67.000.

Meyers, Kenneth A., to Gerber Products Company. Microwave dish cover. 4,795,056, 1-3-89, Cl. 220-306.000.

Meyers, Leo J., to Sun Room Designs, Inc. Beam construction. 4,875,311, 10-24-89, Cl. 52-90.000.

Meyers, Marvin L., to Hoover Universal, Inc. Method injection molded a plastic part with a round tubular portion. 4,873,043, 10-10-89, Cl. 264-237.000.

Meyers, Paul A.; and Dorman, Linneaus C., to Dow Chemical Company, The. Emulsfiable polymer concentrate controlled delivery and release system. 4,818,536, 4-4-89, Cl. 424-409.000.

Meyers, Paul A.; and Dorman, Linneaus C., to Dow Chemical Company, The. Emulsifiable polymer concentrate. 4,828,835, 5-9-89, Cl. 424-409.000.

Meyers, Paul A.: *See—*
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Meyers, Peter V.; Liu, Chung-Heng; and Frey, Timothy J., to Ametek, Inc. Method of making photovoltaic cell with chloride dip. 4,873,198, 10-10-89, Cl. 437-5.000.

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Meyers, Reuven I., to Nordson Corporation. Cartridge mount for powder collector. 4,871,380, 10-3-89, Cl. 55-350.000.

Meyers, Richard G., to National Telephone Supply Co., The tensioner. 4,796,338, 1-10-89, Cl. 24-68.00R.

Meyers, Richard S.; and Willford, George A., to Dana Corpo Manual transmission shift evaluation device. 4,823,596, 4-25-8 73-118.100.

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Meylan, Pierre; and Novacek, Peter, to Asea Brown Bover Method of clamping blades. 4,884,951, 12-5-89, Cl. 416-191.00

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Meyrat, Pierre-Andre; and Oppliger, Alain, to Nivarox-Far S.A. ture connector and method for the manufacture thereof. 4,8 6-27-89, Cl. 439-246.000.

Meyrat, Pierre-Andre; Oppliger, Alain; and Steiner, Denis, to Niv FAR S.A. Method for apparatus for metering liquid se 4,869,116, 9-26-89, Cl. 73-864.340.

Meyrick, Barry H.: *See—*
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Meyzonnette, Jean L.; Remy, Bertrand; and Presiat, Ro Thomson CSF. Identification system using a laser retro-refle and modulating set. 4,887,310, 12-12-89, Cl. 455-604.000.

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Mezaki, Cooky: *See—*
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Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Ste J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitlin, James Cetus Corporation. User controlled off-center light absorbance ing adjuster in a liquid handling and reaction system. 4,7 10-10-89, Cl. 364-413.080.

Mezger, Hans; Schmid, Peter; and Nowak, Dieter, to Dr. Ing. h Porsche Aktiengesellschaft. Lubricating arrangement for a reci cating piston internal combustion engine. 4,864,988, 9-12-8 123-198.00C.

Mezger, Mark; Strauss, Bernard; Moy, Sam M.; and Prezelski, L., to United States of America, Army. Insensitive high e explosive compositions. 4,842,659, 6-27-89, Cl. 149-19.200

Mezger, Sepp; and Raissle, Werner, to Lechler GmbH & Co. Two-material atomizing nozzle to produce a solid-cone jet. 4,82 4-18-89, Cl. 239-432.000.

Mezhinsky, Victor B., to Excellon Industries. Pick and place m having improved centering jaws. 4,802,816, 2-7-89, Cl. 414-7

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- Fedorov, Svyatoslav N.; Pashinova, Nadezhda F.; Ans Sergei I.; Degtev, Evgeny I.; Zakharov, Dmitry V.; Kar Alexandr A.; Kiselev, Vladimir G.; Juzhelevsky, July A.; Sokolov, Sergei V., 4,863,462, Cl. 623-6.000.

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Mi-Jack Products Inc.: *See—*
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Miale, Joseph N.: *See—*
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Micallef, Jacques. Automatic device for the disinfection of W.C. bowls and seats. 4,873,729, 10-17-89, Cl. 4-233.000.

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- Micro Technologies International Limited: *See—*
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  - Rzepczynski, Zenon G., 4,866,412, Cl. 338-114.000.
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- Mid America Machine Corp.: *See—*
  - Johnson, Harold K., 4,872,303, Cl. 53-481.000.
- Mid-America Scale, Inc.: *See—*
  - Skibinski, Robert E., 4,821,823, Cl. 177-256.000.
  - Skibinski, Robert E., 4,872,523, Cl. 177-255.000.
- Mid-Continent Pipe & Supply Company, Inc.: *See—*
  - Lee, Leonard E., 4,875,714, Cl. 285-86.000.
- Mid-South Products Engineering, Inc.: *See—*
  - Unger, Larry E., 4,872,552, Cl. 206-365.000.
- Mid-State Drainage Products, Inc.: *See—*
  - Holcomb, Richard A., 4,852,616, Cl. 138-173.000.
- Mid-West Automation Systems, Inc.: *See—*
  - Eitzinger, Robert, 4,847,988, Cl. 29-710.000.
  - Eitzinger, Robert; and Bidus, Mark, 4,863,007, Cl. 198-399.000.
- Mida-Maquinas Industriais do Ave, Lda.: *See—*
  - De Abreu, Alfredo F., 4,830,073, Cl. 144-221.000.
  - De Abreu, Alfredo F., 4,842,029, Cl. 144-117.00R.
- Mida-Maquinas Industrialis do Ave., Lda.: *See—*
  - Ferreira de Abreu, Alfredo, 4,886,099, Cl. 144-117.00R.
- Mida S.r.l.: *See—*
  - Vanoni, Carlo, 4,881,462, Cl. 101-292.000.
- Midac Corporation: *See—*
  - Auth, Gerald L., 4,810,092, Cl. 356-346.000.

Mideco Corporation: *See*—
  Keith, Malcolm E., and Cayley, Michael P., 4,804,340, Cl. 51-273.000.
  Keith, Malcolm E., and Cayley, Michael P., 4,805,353, Cl. 51-273.000.
  Keith, Malcolm E., 4,811,939, Cl. 271-146.000.
  Keith, Malcolm E., and Cayley, Michael P., 4,829,624, Cl. [illegible]
Midas-Gase International, Inc.: *See*—
  Turner, Paul, 4,825,425, Cl. [illegible]
Middaugh, Frank R., and Austin, Robert J. Railroad car for [illegible] large highway trucks and method of loading. 4,834,608, 5-30-89, Cl. 414-529.100.
Middendorf, Lyle R.: *See*—
  Wurm, John H.; Middendorf, Lyle R.; and Biggs, William W., 4,867,563, Cl. 356-328.000.
Midden, Ismail F.: *See*—
  Wile, Raymond O., and Midden, Ismail F., 4,826,451, Cl. 252-545.000.
Middle East Bakeries, Incorporated: *See*—
  Teeny, Samuel J.; Teeny, Patty S.; and Teeny, Rickey E., 4,868,583, Cl. 206-557.000.
Middlebrook, Thomas F. Thermal microscope stage. 4,888,463, 12-19-89, Cl. 219-201.000.
Middlebrooks, D. Weldon. Apparatus and method for storage and transportation of 3.5 inch floppy disks. 4,884,692, 12-5-89, Cl. 206-444.000.
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  Hvezda, Jaroslav M.; and Middlehurst, Richard J., 4,806,856, Cl. 520-158.00P.
  Hvezda, Jaroslav M.; and Middlehurst, Richard J., 4,810,956, Cl. 520-158.00P.
Middlemas, James W.: *See*—
  McCrainor, Peter R.; Caplin, Peter B.; Middlemas, James W.; Rees, Geraint; and Angelini, Mario, 4,824,436, Cl. 44-16.00F.
Middlesworth, Jeffrey A.: *See*—
  Hodgson, William J., Jr.; and Middlesworth, Jeffrey A., 4,820,590, Cl. 428-516.000.
Middleton, Andrew H., to British Gas Corporation. Peripheral toroidal blowers. 4,824,322, 4-25-89, Cl. 415-53.00T.
Middleton, Brian H.: *See*—
  Lawrence, Stephen G. C.; McMorran, Michael A.; and Middleton, Brian H., 4,868,782, Cl. 364-900.000.
Middleton, David B.; Srivatsan, Raghavachari; and Person, Lee H., to United States of America, National Aeronautics and Space Administration. Airplane takeoff and landing performance monitoring system. 4,843,554, 6-27-89, Cl. 364-427.000.
Middleton, David H.: *See*—
  Helfer, Jeffrey L.; Porte, Johannes J.; and Middleton, David H., 4,810,653, Cl. 435-316.000.
Middleton, David J. Braking mechanism for a fruit harvesting apparatus. 4,833,870, 5-30-89, Cl. 56-340.000.
Middleton Enterprises, Inc.: *See*—
  Chakroff, Richard O.; and Chakroff, Christopher N., 4,871,185, Cl. 280-477.000.
Middleton, Francisco A.; and Zeller, David A., Jr., to Alcatel USA Corp. Single line telephone communication system. 4,821,319, 4-11-89, Cl. 379-167.000.
Middleton, Glen H. Personal, portable, disposable tap water filter. 4,824,565, 4-25-89, Cl. 210-266.000.
Middleton, Ian P., and Paprotny, Jerzy. Process of crosslinking a polyurethane prosthesis with a haloalkylisocyanate. 4,798,607, 1-17-89, Cl. 623-1.000.
Middleton, Jerry L., to Universal Foods Corporation. Process of using rennet casein for producing imitation cheese. 4,822,623, 4-18-89, Cl. 426-[illegible]
Middleton, Joseph L.: *See*—
  Kennard, Paul A.; Middleton, Joseph L.; Wu, Kung-Tam; and McNeal, John D., 4,855,092, Cl. 332-17.000.
Middleton, Philip N.; Green, Glen R.; and Gerlach, Harry, to [illegible] Products, Inc. Diverter valve. 4,872,474, 10-10-89, Cl. 137-493.000.
Middleton, Robin, to Boeing Company, The. Apparatus and method for warning of a high yaw condition in an aircraft. 4,814,764, 3-21-89, Cl. 340-967.000.
Middlin, Bruce; Leslie, Norman; and Kennedy, Alan W., to M.I.M. Technology Marketing Limited. Method of stripping electrolytically deposited copper from a cathode. 4,840,710, 6-20-89, Cl. 204-12.000.
Midgley, Charles A.; and Chick, Owen W., to BASF Corporation. Styrene grafted neoprene pad's. 4,803,240, 2-7-89, Cl. 524-504.000.
Midgley, John E.: *See*—
  Charlton, John C.; Midgley, John E.; and Wilkins, Terence A., 4,839,299, Cl. 436-500.000.
Midgley, Ronald A., to ROLLS-ROYCE plc. Turbopropeller or turbofan gas turbine engine. 4,799,354, 1-24-89, Cl. 60-39.162.
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  Hansen, Richard E.; Riegel, Carl G.; Midkiff, David G.; and Nemwirth, Joseph G., 4,865,855, Cl. 426-124.000.
Midkiff, Harry E. Oil spillage recovery arrangement. 4,818,399, 4-4-89, Cl. 210-242.300.
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Midland, Brian M.: *See*—
  Ott, Lester J.; and Midland, Brian M., 4,851,682, Cl. 250-214.0AL.
Midmark Corporation: *See*—
  Jones, Larry, 4,852,441, Cl. 297-[illegible]
Midon, Christian: *See*—
  [illegible], Paul R., and Midon, Christian, 4,861,600, Cl. [illegible]
Midori Anzen Industry Co., Ltd.: *See*—
  Matsumura, Tsuyoshi; Sugita, Seiji; and Hatta, Yoshio, 4,829,7[illegible], Cl. 252-59.000.
Midorikawa, Hidemitsu: *See*—
  Itoh, Masanobu; Midorikawa, Hidemitsu; [illegible]; and Aihara, Michihiko, 4,857,223, Cl. 252-67.000.
Midorikawa, Hiroshi: *See*—
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Midorikawa, Shigehisa, to Kabushiki Kaisha Midorikawa Kogyo. Method and apparatus for storing/taking out rod-like stored articles. 4,815,922, 3-28-89, Cl. 414-276.000.
Midorikawa, Shoichi: *See*—
  Miyoshi, Masatomi; Isayama, Mineo; Midorikawa, Shoichi; and Ohta, Fumitada, 4,836,421, Cl. 222-166.000.
Midtec, Inc. of America: *See*—
  Miller, Leonard L.; and Swinehart, W. Keith, 4,88[illegible], Cl. 137-270.000.
Midttun, Ole H.: *See*—
  Stoecklein, Paul A.; Olsen, Stephen C.; and Midttun, Ole H., 4,810,166, Cl. 416-167.000.
Midway Video, Ltd.: *See*—
  Moore, William A.; Economy, Constantine F.; and Sosna, Theodore F., 4,860,576, Cl. 194-218.000.
Midwesco, Inc.: *See*—
  Anderson, Arthur L.; Bailey, Douglas S.; and Kornas, Robert, 4,797,621, Cl. 324-555.000.
Midwest Acoust-A-Fiber, Inc.: *See*—
  Wolf, Jerry M., 4,877,476, Cl. 156-307.300.
Midwest Dynamometer & Engineering Co.: *See*—
  Crosetto, John J.; Earle, Kent L.; and Jordan, Anthony T., 4,795,936, Cl. 310-156.000.
Midwest Instrument Co., Inc.: *See*—
  Boron, Joseph J., 4,875,380, Cl. 73-864.580.
  Falk, Richard A.; and Colaani, James, 4,881,824, Cl. 374-140.000.
Midwest Medical Co.: *See*—
  Temple John E., 4,850,986, Cl. 604-355.000.
Midwest Plastic Fabricators, Inc.: *See*—
  Moran, Thomas F., Jr., 4,861,942, Cl. 174-38.000.
Midwest Power Corporation: *See*—
  Jonelis, John A.; and Bata, John L., 4,840,649, Cl. 55-140.000.
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  Benson, David K.; and Barret, Peter F., 4,860,729, Cl. 126-4[illegible]
  Engel, James F.; Byerley, Thomas J.; and Christie, Howard [illegible], 4,876,323, Cl. 526-310.000.
  Tsuo, Simon; and Langford, Alison A., 4,816,294, Cl. 427-51.000.
Midwinter, Elizabeth A.: *See*—
  Harris, Lee M.; Evans, Dix L.; and Midwinter, Elizabeth A., 4,839,635, Cl. 340-752.000.
Mie Horo Co., Ltd.: *See*—
  Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kenji, 4,850,098, Cl. 20-508.000.
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  Michalski, Steven E.; Andreoni, Kevin M.; and Mieczkowski, Daniel, 4,816,752, Cl. 324-130.000.
Mieczyslaw Mirowski: *See*—
  Imran, Mir, 4,796,630, Cl. 128-786.000.
Mieda, Akihiko: *See*—
  Ikeda, Hiroshi; Tsunashima, Makoto; and Mieda, Akihiko, 4,861,574, Cl. 423-442.000.
Mieda, Michinobu: *See*—
  Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, 4,855,212, Cl. 369-110.
Miederer, Peter; and Michaelis, Eberhard, to BASF Aktiengesellschaft. Preparation of 1,4-diamino-2,3-dicyanoanthraquinone. 4,87[illegible], 10-3-89, Cl. 552-239.000.
Miehle, Richard G.; Hubbard, Roswell E.; McDermott, John T.; and Clough, Philip J., to Dennison Manufacturing Company. Formation of support members. 4,804,430, 2-14-89, Cl. 156-233.000.
Miehle, Richard G.: *See*—
  Hill, John A., III; Miehle, Richard G.; and Cohen, Samuel, 4,857,398, Cl. 428-331.000.
Miele & Cie. GmbH & Co.: *See*—
  Huttemann, Wilfried, 4,800,740, Cl. 68-12.00R.
  Huttemann, Wilfried, 4,862,712, Cl. 68-17.00R.
  Zothann, Peter; Huttemann, Wilfried; Fey, Hans; Stiel, Frank W.; Berden, Rudolf; and Schulte, Wilfried, 4,82[illegible], Cl. 68-208.000.
Mielke, Frank: *See*—
  Schneider, Werner; Boeden, Hans-Friedrich; Holtshausen, [illegible]; Loth, Fritz; Hiepe, [illegible]; Falk, Bertram; [illegible], Dieter; Mielke, Frank; [illegible], Reinhard; and Kongsthoms, Dagmar, 4,822,[illegible], Cl. 4[illegible]
Mielke, Klaus, to Swedot System AB. Device for generating ink droplets. 4,803,501, 2-7-89, Cl. 346-140.00R.
Mielke, Klaus, to Swedot System AB. Arrangement for an [illegible] for a liquid jet printer. 4,826,135, 5-2-89, Cl. 251-331.000.
Mielke, Lloyd N.; and Bashford, Leonard L., to United States of America, Agriculture. Subtiller. 4,817,727, 4-4-89, Cl. 172-192.000.

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  Deguchi, Takaya; and Mieno, Fumitaka, 4,879,255, Cl. 437-59.000.
  Eshita, Takashi; Mieno, Fumitaka; Furumura, Yuji; and Itoh, Kikuo, 4,855,254, Cl. 437-100.000.
  Eshita, Takashi; Mieno, Fumitaka; Furumura, Yuji; and Watanabe, Takuya, 4,876,219, Cl. 437-126.000.
  Shiga, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitaka; Inoue, Shin-ichi; Uyeda, [illegible]; Tabuchi, Akira; Fukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,904,560, Cl. 427-125.000.
Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono, Nobuyuki. System of abnormality detection for oxygen concentration sensor. 4,819,602, 4-11-89, Cl. 123-479.000.
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Mieno, Toshiyuki; Nakajima, Toyohei; and Nagao, Akira, to Honda Giken Kogyo Kabushiki Kaisha. Control system for ignition timing and boost pressure in internal combustion engine. 4,882,695, 11-21-89, Cl. 364-431.060.
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  Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira; and Suzuki, Yukihiko, 4,856,480, Cl. 123-425.000.
  Nakajima, Toyohei; and Mieno, Toshiyuki, 4,860,712, Cl. 123-489.000.
  Nakajima, Toyohei; and Mieno, Toshiyuki, 4,877,511, Cl. 204-406.000.
  Tanaka, Akira; Nagao, Akira; Suzuki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.
Mier, Francisco D. Continuous flow cloverleaf type interchange. 4,861,188, 8-29-89, Cl. 404-1.000.
Mieras, Cameron D.: *See*—
  Stroud, Brian T.; Weavell, Jack; and Mieras, Cameron D., 4,865,094, Cl. 144-176.000.
Mierau, Joachim: *See*—
  Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.
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Miers, David R.; Rai, David; and Varshneya, Deepak, to Babcock & Wilcox Company, The. Fiberoptic microbend accelerometer. 4,841,[illegible], 6-20-89, Cl. 73-517.00R.
Miers, Tommy H.: *See*—
  Williams, Dylan F.; and Miers, Tommy H., 4,851,794, Cl. 331-33.000.
Miertschin, Christian; and Schmitz, Friedrich, to Ernst Schmitz GmbH. Process and apparatus for decontaminating glass parts contaminated with radioactive material. 4,880,[illegible], 11-14-89, Cl. 376-316.000.
Mierzwinski, Eugene P., to Hamilton Standard Controls, Inc. [illegible] display system. 4,859,[illegible], Cl. [illegible]
Mierzwinski, Eugene P.; Gramlin, Michael T.; and Frantz, Stephen E., to Hamilton Standard Controls, Inc. Integrated furnace control and control self-test. 4,872,828, 10-10-89, Cl. 431-16.000.
Mierzwinski, Eugene P.: *See*—
  Gramlin, Michael T.; Frantz, Stephen E.; and Mierzwinski, Eugene P., 4,842,510, Cl. 431-59.000.
Mierz, Delbert W. Tracer shotgun shell. 4,841,866, 6-27-89, Cl. 102-458.000.
Mies, Ralf: *See*—
  Kahle, Joachim; Kammeier, Ferdinand; Morsen, Ralf; and Klee, Rudolf-Jurgen, 4,865,476, Cl. 8-115.600.
Mieske, Mike; and Pascual, Rafael, to International Business Machines Corporation. Graphics input tablet with three-dimensional data. 4,798,919, 1-17-89, Cl. 178-18.000.
Miess, Gerhard: *See*—
  Franke, Eberhard; Helmut, Johannes; Mietens, Gerhard; and Stolz, Gerhard, 4,816,256, Cl. 268-96.000.
Mieth, Gerhard: *See*—
  Schaining, Reinhard; Wirt, Juergen; Harwardt, Irene; Neumann, Sigrid; Schneider, Christoph; Mieth, Gerhard; Raue, Wolfgang; and Boettcher, Juergen, 4,852,677, Cl. 99-451.200.
Mietinen, Reno. Method for arranging of ventilation of building and means for applying of the method. 4,887,521, 12-19-89, Cl. 454-[illegible]
Mietz, Dennis D.; and Strand, Alaric L., to Hughes Company, Inc. [illegible] collection. 4,807,640, 2-28-89, Cl. 180-5.000.
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  Klaus, Friedrich; Mietzner, Franz G.; Pfleger, Klaus; Kursawe, Siegfried; Boettcher, Klaus; and Arnold, Gerhard, 4,804,725, Cl. 526-68.000.
  Plachetta, Christoph; Reimann, Horst; Theysohn, [illegible]; and Mietzner, Franz G., 4,847,330, Cl. 525-182.000.
Miffin, Thomas R.; and DeWitz, Thomas S., to Shell Oil Company. Method of removal and disposal of fly ash from a high-temperature, high-pressure synthesis gas stream. 4,8[illegible], Cl. 48-210.000.
Mifune, Hiroyuki; Shuto, Sadanobu; [illegible]; and Suzuki, Yoshiaki, to Fuji Photo Film Co., Ltd. Process for preparing silver halide emulsion and photographic light-sensitive material containing said emulsion. 4,801,5[illegible], 1-31-89, Cl. 430-569.000.
Mifune, Hiroyuki, to Fuji Photo Film Co., Ltd. Silver halide photographic light-sensitive material. 4,845,023, 7-4-89, Cl. 430-569.000.
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  Murai, Ashita; Mifune, Hiroyuki; and Hoki, Tatsuo, 4,865,965, Cl. 430-569.000.
Mifune, Toshimi; Morooka, Yasuo; Shojima, Hiroshi; Mori, Junko; and Fukunaga, Yasushi, to Hitachi, Ltd. Pattern recognizing device. 4,878,249, 10-31-89, Cl. 382-13.000.
Mifune, Toshimi: *See*—
  Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, 4,860,372, Cl. 382-13.000.
Miggini, Cyril A.; Hines, John B.; and Kluger, Edward W., to Milliken Research Corporation. Reactive, non-yellowing triazine compounds useful as UV screening agents for polymers. 4,826,978, 5-2-89, Cl. 544-219.000.
Migita, Haruyoshi; and Araim, Shunju, to Sharp Kabushiki Kaisha. Electrophotographic copying machine with device for eliminating unwanted black areas. 4,870,457, 9-26-89, Cl. 355-208.000.
Migita, Jinno: *See*—
  Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jinno; Mochizuki, Hajime; and Kobayashi, Takeo, 4,863,950, Cl. 235-440.000.
Migita, Junichiro: *See*—
  Ishii, Shiro; Kubota, Hachiro; Hida, Toshiharu; and Migita, Junichiro, 4,807,530, Cl. 102-333.000.
Migita, Masahito; Kanehisa, Osam; Shiiki, Masatoshi; and Yamamoto, Hajime, to Hitachi, Ltd. Electroluminescent display apparatus having a multi-color illuminant layer and process for producing the same. 4,862,033, 8-29-89, Cl. 313-502.000.
Migler, Bernard M.: *See*—
  Warawa, Edward J.; and Migler, Bernard M., 4,879,288, Cl. 514-211.000.
Miglianico, Thierry; Mougel, Jean-Francois; Papezyk, Francois; and Wident, Pierre. Automatic process for identification of defects by ultrasound and corresponding system. 4,8[illegible],109, 9-26-89, Cl. 73-602.000.
Migliaro, Francis W., Jr.: *See*—
  Raynor, Robert J.; and Migliaro, Francis W., Jr., 4,816,585, Cl. 544-296.000.
Migliorato, Piero; and Clark, Michael G., to General Electric Company, p.l.c., The. Matrix addressable displays. 4,834,505, 5-30-89, Cl. 350-333.000.
Migliorato, Piero: *See*—
  Meakin, Douglas B.; and Migliorato, Piero, 4,880,753, Cl. 437-41.000.
Migliore-Samour, Daniele: *See*—
  Jolles, Pierre; Migliore-Samour, Daniele; and Parker, Fabienne, 4,851,509, Cl. 530-329.000.
Migliori, Albert: *See*—
  Wheatley, John C.; Swift, Gregory W.; Migliori, Albert; and Hofler, Thomas J., 4,858,441, Cl. 62-6.000.
Mignani, Gerard; and Morel, Didier, to Rhone-Poulenc Sante. Process for the preparation of unsaturated compounds α-chlorinated with respect to two electron-attracting groups in a β-position. 4,806,280, 2-21-89, Cl. 260-465.100.
Mignogna, Daniel J.: *See*—
  Ismail, Abdulrahim; and Mignogna, Daniel J., 4,844,076, Cl. 439-70.000.
Mignot, Jean-Francois: *See*—
  Frolund, Jean; Nicolas, Jacques; and Mignot, Jean-Francois, 4,805,688, Cl. 164-475.000.
Migozzi, Jean B.: *See*—
  Cheysson, Francoise; and Migozzi, Jean B., 4,830,464, Cl. 350-174.000.
Migozzi, Jean-Blaise; and Maureau, Claude, to Thomson CSF. Collimated relief display device. 4,810,056, 3-7-89, Cl. 350-131.000.
Migozzi, Jean-Blaise: *See*—
  Cheysson, Francoise; and Migozzi, Jean-Blaise, 4,874,214, Cl. 350-3.700.
Migra, Robert: *See*—
  Gutman, Robert F.; and Migra, Robert, 4,874,224, Cl. 350-174.000.
Migrin, Robert S.; and Tinder, David V., to United Technologies Automotive, Inc. Contact mechanism for a switch. 4,814,561, 3-21-89, Cl. 200-260.000.
Migua Hammerschmidt GmbH: *See*—
  Gottschling, Reinhard, 4,885,895, Cl. 52-396.000.
Miguchi, Yasuhiko, to Kabushiki Kaisha Toshiba. Control apparatus for a power converter. 4,827,392, 5-2-89, Cl. 363-56.000.
Mihailov, Lyudmil K.: *See*—
  Zaprjanov, Yordan D.; Bryanjlev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Binev, Kostadin B.; Tsekov, Anton D.; Dinev, Kostadin I.; Antonov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 366-442.000.
Mihailov, Mihail V., to Kombinat "Koraboremont". Vacuum condenser with condensate catch. 4,852,645, 8-1-89, Cl. 165-113.000.
Mihalich, James M., to General Electric Company. Multilayered articles formed by coextrusion of polycarbonate and polyester. 4,861,630, 8-29-89, Cl. 428-34.100.

Mihalinec, Bozidar, to RPA Inc. Glider toy assembly. 4,863,412, 9-5-89, Cl. 446-66.000.

Mihara, Hidemi: *See*—
 Tamura, Noriyasu; [illegible] Suzuki, [illegible] and Mihara, Hidemi, 4,8[illegible], Cl. [illegible]

Mihara, Isoroku: *See*—
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Mihara, Makoto; Inoue, Masanobu; Ohji, Kenzo; and Itou, Shuji, to Matsushita Electric Industrial Co., Ltd. Automatic weight detecting device. 4,875,533, 10-24-89, Cl. 177-144.000.

Mihara, Makoto: *See*—
 Sakamoto, Kazuho; Mihara, Makoto; Ohji, Kenzo; and Itou, Shuji, 4,825,967, Cl. 177-210.00C.

Mihara, Shin-ichi, to Olympus Optical Co., Ltd. Vari-focal lens system. 4,818,083, 4-4-89, Cl. 350-427.000.

Mihara, Shin-ichi: *See*—
 Tsuchida, Hirofumi; and Mihara, Shin-ichi, 4,810,071, Cl. 350-423.000.

Mihara, Takahisa; and Sanma, Shoji, to Fujitsu Limited. Encoder motor having code wheel integral with rotor. 4,795,925, 1-3-89, Cl. 310-68.00B.

Mihara, Takahisa; and Saito, Sigeo, to Fujitsu Limited. Compact magnetic disc assembly. 4,814,915, 3-21-89, Cl. 360-78.120.

Mihara, Teruyoshi, to Nissan Motor Co., Ltd. Vertical MOSFET having a proof structure against puncture due to breakdown. 4,803,532, 2-7-89, Cl. 357-234.000.

Mihara, Teruyoshi, to Nissan Motor Company, Ltd. Vertical MOSFET having Schottky diode for latch-up prevention. 4,823,172, 4-18-89, Cl. 357-15.000.

Mihara, Teruyoshi, to Nissan Motor Co., Ltd. Accelerometer. 4,836,025, 6-6-89, Cl. 73-517.00R.

Mihara, Teruyoshi: *See*—
 Matsushita, Tsutomu; and Mihara, Teruyoshi, 4,862,233, Cl. 357-23.400.
 Yao, Kenji; and Mihara, Teruyoshi, 4,805,006, Cl. 357-42.000.

Mihara, Toshihiro: *See*—
 Kusuda, Takao; Yonemura, Masaaki; Shimoda, Hisanori; Takigawa, Masuo; and Mihara, Toshihiro, 4,840,028, Cl. 60-303.000.
 Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, 4,885,661, Cl. 361-321.000.

Mihara, Yoshikazu; and Nakashima, Hiroshi, to Sanyo Electric Co., Ltd. Disc erasing apparatus for selective erasure of disc tracks. 4,862,294, 8-29-89, Cl. 360-35.100.

Mihara, Yoshimitsu: *See*—
 Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

Mihara, Yuji; and Ishigaki, Kunio, to Fuji Photo Film Co., Ltd. Infrared sensitized silver halide light-sensitive element with mordant dye over layer. 4,801,525, 1-31-89, Cl. 430-518.000.

Mihara, Yuji: *See*—
 Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,859,204, Cl. 430-512.000.
 Ohno, Shigeru; Mihara, Yuji; and Adachi, Keiichi, 4,859,205, Cl. 430-522.000.
 Saeki, Naomi; Inoue, Nobuaki; Ueno, Toshinao; and Mihara, Yuji, 4,850,625, Cl. 430-598.000.

Mihashi, Yutaka; Nagai, Yutaka; and Ikeda, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,841,535, 6-20-89, Cl. 372-46.000.

Mihashi, Yutaka: *See*—
 Nagai, Yutaka; Mihashi, Yutaka; Yagi, Tetsuya; and Ota, Yoichiro, 4,829,023, Cl. 437-129.000.
 Nagai, Yutaka; Mihashi, Yutaka; and Ikeda, Kenji, 4,833,510, Cl. 357-17.000.

Mihayashi, Keiji: *See*—
 Abe, Akira; Mihayashi, Keiji; Kobayashi, Hidetoshi; and Kato, Hirohiko, 4,840,877, Cl. 430-350.000.
 Abe, Akira; Mihayashi, Keiji; and Ichijima, Seiji, 4,873,179, Cl. 430-382.000.
 Ichijima, Seiji; and Mihayashi, Keiji, 4,824,772, Cl. 430-544.000.
 Itoh, Isamu; and Mihayashi, Keiji, 4,865,020, Cl. 430-445.000.
 Koshimizu, Toshio; and Mihayashi, Keiji, 4,820,625, Cl. 430-376.000.
 Ono, Masanori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, 4,842,985, Cl. 430-226.000.
 Ueda, Shinji; Mihayashi, Keiji; and Ichijima, Seiji, 4,818,664, Cl. 430-430.000.
 Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,689, Cl. 430-546.000.

Mihaylova, Snezha R.: *See*—
 Ivanova, Nedyalka S.; Ivanov, Tikhomir B.; Dryanska, Margarita D.; Zdravkova, Ortodeya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nadia D.; Kalevska, Roumana S.; Stoyanova, Maria S.; Mihaylova, Snezha R.; Lasa, Milko A.; Naumova, Josef N.; Vidova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metodiev, Grigor M., 4,808,548, Cl. 514-310.000.

Mikeich, Edward D.: *See*—
 Boyajian, Rosanne; Mosio, Christopher J. M.; Mikeich, Edward D.; and Pillman, Michael J., 4,8[illegible], Cl. [illegible]

Mikesell, John L., to [illegible] 4,797,510, 1-10-89, Cl. 174-94.00R.

Mihm, Gerhard: *See*—
 Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,[illegible], Cl. 514-220.000.

Mihm, Thomas J., Jr.: *See*—
 Foster, Robert L.; Pfeifer, Robert F.; and Mihm, Thomas J., Jr., 4,855,801, Cl. 380-21.000.

Miho, Takuya: *See*—
 Murai, Takashi; Watanabe, Shoji; Inoue, Kimio; Iioka, Toshio; Nakashima, Naoki; Miho, Takuya; and Iwamoto, Yukio, 4,835,213, Cl. 525-36.000.

Miholics, Gizella: *See*—
 Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kiss, Maria; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Sas, Istvan; Egri, Janos; and Szeli, Maria, 4,866,172, Cl. 514-[illegible]
 Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kiss, Maria; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Sas, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-[illegible]

Miida, Takashi; and Ozaki, Nozomu, to Fuji Photo Film Co., Ltd. Analog, two signal correlator. 4,833,636, 5-23-89, Cl. [illegible]

Miida, Takashi; Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, to Fuji Photo Film Co., Ltd. Phase-difference detector with analog signals. 4,849,619, 7-18-89, Cl. 250-201.000.

Miida, Takashi: *See*—
 Murayama, Jin; Miida, Takashi; and Kondo, Ryuji, 4,807,[illegible], Cl. 377-63.000.

Miihkinen, Veijo, to Valmet Oy. Press roll for paper making machine. 4,796,342, 1-10-89, Cl. 29-132.000.

Miihkinen, Veijo, to Valmet Oy. Press roll. 4,856,161, 8-15-89, Cl. 29-129.500.

Miike, Akira; Shimizu, Yoshiaki; Tatano, Toshio; and Watanabe, Katsuyuki, to Kyowa Hakko Kogyo Co., Ltd. Method and test composition for determination of lipid peroxide. 4,851,353, 7-25-89, Cl. 436-71.000.

Miike, Akira; Katsumata, Yukio; and Tatano, Toshio, to Kyowa Hakko Kogyo Co., Ltd. Substrate for determining leucine aminopeptidase or gamma-glutamyltranspeptase activity. 4,877,727, 10-31-89, Cl. 435-[illegible]

Miike, Akira: *See*—
 Aoyama, Norihito; Okano, Mikio; Miike, Akira; and Tatano, Toshio, 4,810,642, Cl. 435-28.000.
 Aoyama, Norihito; Miike, Akira; Shimizu, Yoshiaki; and Tatano, Toshio, 4,824,779, Cl. 435-25.000.

Miike, Seiji; Yamanaka, Noriko; Hirakawa, Hideki; and Amano, Shinya, to Kabushiki Kaisha Toshiba. Machine translation system. 4,8[illegible], 5-16-89, Cl. 364-419.000.

Miike, Seiji: *See*—
 Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Sugai, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,868,750, Cl. 364-900.000.
 Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; and Amano, Shinya, 4,821,230, Cl. 364-900.000.

Mijac, Marko D.; and Gaffey, Timothy B., to Procter & Gamble Company. [illegible] 4,8[illegible], 5-16-89, Cl. [illegible]

Mijac, Marko D.: *See*—
 Gaffey, Timothy B.; Akin, Susan S.; Tollinger, Sherry E.; and Mijac, Marko D., 4,880,657, Cl. [illegible]

Mijares, Ernest R.: *See*—
 Clark, Stephen E.; Hornby, James D.; and Mijares, Ernest R., 4,802,415, Cl. 102-434.000.

Mijers, Jan W. M.; and Steenhusen, Johannes E., to [illegible] Research B.V. Device for [illegible] suction of liquid. 4,8[illegible], 11-7-89, Cl. 210-238.000.

Mijnders, Gijsbert J., to Multinorm B.V. Mowing device with improved disc configuration and blade attachment. 4,815,264, [illegible], Cl. 56-295.000.

Mijnders, Gijsbert J. Mowing device with forced air supply. 4,8[illegible], 9-12-89, Cl. 56-12.000.

Mika, Frank A.: *See*—
 Sturm, Michael O.; and Mika, Frank A., 4,811,151, Cl. [illegible]

Mika, Gyorgy B.: *See*—
 [illegible], Ferenc; Mika, Gyorgy B.; [illegible]; and [illegible], Istvan, 4,821,524, Cl. 62-56.000.

Mikado Metal Industry Co., Ltd.: *See*—
 Ito, Hidetoshi, 4,803,765, Cl. 29-48.50R.

Mikado, Tsuneo: *See*—
 Harada, Zenji; [illegible], [illegible]; and Mikado, Tsuneo, 4,8[illegible], Cl. 356-335.000.

Mikalesen, Donald J.; and Rossnagel, Stephen M., to International Business Machines Corporation. Large area cathode lift-off sputter deposition device. 4,826,584, [illegible], Cl. 204-298.000.

Mikalson, Arthur: *See*—
 Cooke, Theodore M.; Mikalson, Arthur; [illegible], Ernest D.; and Van Brimer, R. H., 4,823,166, Cl. 206-[illegible]

Mikami, Atsushi: *See*—
 Utsuda, Tetsuji; Ogura, Takeo; Sato, Takeo; Suzuki, [illegible]; Mikami, Atsushi; Sada, Hiromoto; and Sugimoto, [illegible], 4,816,963, Cl. 358-76.000.

Mikami, Hiroshi: *See*—
 Miyamoto, Chiharu; Mikami, Hiroshi; Toshio, Akio; and [illegible], Katsuhide, 4,822,917, Cl. 568-454.000.

Mikami, Katsumasa: *See*—
 [illegible], Akira; Takahashi, Yoshihiro; Hakoyama, Kiyoshi; Mikami, Katsumasa; Suzuki, [illegible]; [illegible]; and Noguchi, Yasuo, 4,8[illegible], Cl. [illegible]

Mikami, Masanori; and Matsubara, Kiichiro, to Furukawa Electric Co., Ltd. Torch for fabricating optical fiber preform. 4,810,189, 3-7-89, Cl. 431-354.000.

Mikami, Mitsuge: *See*—
 Kobayashi, Osamu; Yoshimoto, Koji; and Mikami, Mitsuge, 4,794,387, Cl. 455-5.000.
 Kobayashi, Osamu; Furuya, Yoshio; Iida, Takeshi; and Mikami, Mitsuge, 4,853,155, Cl. 198-217.000.

Mikami, Naoki: *See*—
 Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoki; Akaiwa, Keiko; and Takeuchi, Koji, 4,831,162, Cl. 560-59.000.
 Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoki; Yamamoto, Eiri; and Takeuchi, Koji, 4,876,582, Cl. 252-299.610.
 Takahashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoki; Yamamoto, Eiri; and Takeuchi, Koji, 4,880,561, Cl. 252-299.610.

Mikami, Osamu: *See*—
 Sawayama, Hiroshi; Sakaguchi, Minoru; and Mikami, Osamu, 4,846,456, Cl. 250-[illegible]

Mikami, Ryuzo: *See*—
 Nakano, Katsuyoshi; and Mikami, Ryuzo, 4,808,483, Cl. 428-447.000.

Mikami, Takahiro: *See*—
 Murakami, Mitsuhiro; Mikami, Takahiro; Nagamatsu, Hiroyuki; and Tokuno, Minoru, 4,855,073, Cl. 252-39.000.

Mikami, Takashi: *See*—
 Kimura, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotaka; and Kanai, Tsuyoshi, 4,873,268, Cl. 525-194.000.

Mikami, Takeshi, to Fuji Photo Film Co., Ltd. Electrophotographic toner compositions of particles coated with metallic oxides and coated with a titanate. 4,824,754, 4-25-89, Cl. 430-110.000.

Mikami, Tetsuo; Ohnuki, Yasushi; and Miyazaki, Hidetoshi, to Honda Giken Kogyo Kabushiki Kaisha. Cap attaching structure of handle grip. 4,852,423, 8-1-89, Cl. 74-551.900.

Mikami, Tomoki; Tokunaga, Yukio; Natsugari, Mitsuharu; Omatoi, Susumu; and Yokota, Shinji, to Kasei Optonix, Ltd. Silicate phosphor. 4,795,588, 1-3-89, Cl. 252-301.60F.

Mikami, Tsutomu; and Kojima, Masaaki, to Sony Corporation. Battery level indicator supplying data from a memory to a display in a power-off state. 4,800,336, 1-24-89, Cl. 324-426.000.

Mikami, Tukasa: *See*—
 [illegible], Yukihiko; Kawauchi, Haruki; Mikami, Tukasa; Takagi, Akihiko; and Kurotobi, Yohji, 4,800,985, Cl. 181-229.000.

Mikami, Yoshiharu; Kubo, Michihiro; and Kakumoto, Takashi, to Ishida Scales Manufacturing Company, Ltd. Combinational weigher for multiple operations. 4,844,190, 7-4-89, Cl. 177-25.180.

Mikami, Yoshiharu; Kubo, Michihiro; and Fukuda, Masao, to Kabushiki Kaisha Ishida Koki Seisakusho. Distribution table structure of combinatorial weigher. 4,844,191, 7-4-89, Cl. 177-25.180.

Mikami, Yoshiyuki: *See*—
 [illegible], Ryuzo; [illegible], Yutaka; and Mikami, Yoshiyuki, 4,8[illegible], Cl. 525-[illegible]

Mikami, Yutaro: *See*—
 [illegible], Tadashi; and Mikami, Yutaro, 4,857,149, Cl. 435-119.000.

Mikami, Katsumi: *See*—
 [illegible]; Takahashi, Masami; [illegible], Akira; and Mikami, Katsumi, 4,819,097, Cl. 360-135.000.

Mikan, Peter J. Hall-effect controller. 4,823,157, 4-25-89, Cl. [illegible]

Mikan, Raymond; Szczerba, Robert M.; and Pulciani, Sam C., to American Safety Razor Company. Tool pack. 4,852,177, 8-1-89, Cl. [illegible]

Mikasa Sangyo Co., Ltd.: *See*—
 Aono, Akio, 4,799,398, Cl. 74-473.00R.

Mikasa Sangyo Kabushiki Kaisha: *See*—
 Yamada, Masaharu; Sasaki, Kazuo; Yasui, Nobuhiro; and Takahashi, Eiji, 4,801,037, Cl. 220-259.000.

Mikata, Yoshitaka; Higuchi, Tadashi; and Miyamoto, Isao, to Yamato Scale Company Limited. Weighing and packing device having metal detector. 4,811,2[illegible], 3-21-89, Cl. 53-55.000.

Mikata, Yoshitaka, to Yamato Scale Company, Limited. Combination weigher. 4,825,968, 5-2-89, Cl. 177-25.180.

Mikata, Yoshitaka: *See*—
 Toyoda, Yoshiharu; Mikata, Yoshitaka; and Yamano, Shoji, 4,8[illegible], Cl. 177-25.180.

Mikawa, Hiroji: *See*—
 [illegible], Masao; Ito, Tetsuo; Mikawa, Hiroji; and Ohno, Koichi, 4,872,688, Cl. [illegible]

Mikawa, Takashi: *See*—
 [illegible], Yuko; Yoshikawa, Shoji; Mizuno, Sumiko; and Mikawa, Takashi, 4,871,467, Cl. 435-[illegible]

Mike, Charles J.: *See*—
 Henry, Richard L.; [illegible], Thomas R.; [illegible], Stephen K.; and Mike, Charles J., 4,808,361, Cl. 128-774.000.

Mike [illegible] Limited: *See*—
 [illegible], Hung W. Y., 4,825,556, Cl. [illegible]

Mike [illegible] Associates, Inc.: *See*—
 [illegible], Norman P.; and [illegible], David, 4,795,028, Cl. 206-217.000.

Mike-Sell's Potato Chip Co.: *See*—
 Johnson, Norman R., 4,867,049, Cl. 99-330.000.

Mikell, Paul D.: *See*—
 Applegate, Gregory H.; and Mikell, Paul D., 4,854,406, Cl. [illegible]

Mikesh, Kim Khim N., to Latvijsky Gosudarstvenny Universitet. Three-dimensional molecular model. 4,812,128, 3-14-89, Cl. 434-278.000.

Mikes, John: *See*—
 Good, William R.; Mikes, John; and Sikora, Joseph, 4,873,086, Cl. 424-309.000.

Mikes, Thomas, to American Holographic, Inc. Low profile spectral analysis system. 4,850,706, 7-25-89, Cl. 356-328.000.

Mikesell, Jerome J., to M. Manufacturing Services, Inc. Marking board implement holder. 4,875,591, 10-24-89, Cl. 211-69.100.

Mikhail, Ameer G., to United States of America, Army. Spinning ramjet vehicle with a non-spinning combustor. 4,796,534, 1-10-89, Cl. 102-374.000.

Mikhail, Ameer G. Cigarette packs and boxes with attached matches. 4,836,366, 6-6-89, Cl. 206-98.000.

Mikhail, Ameer G. Postal stamp process, apparatus, and metering device therefor. 4,876,800, 10-24-89, Cl. 209-584.000.

Mikhail, Ameer G., to United States of America, Army. Multistage kinetic energy penetrator. 4,878,432, [illegible], Cl. 102-309.000.

Mikhail, Wahram T.: *See*—
 Bailey, Mark J.; Mikhail, Wahram T.; and Callanan, Patrick J., 4,866,517, Cl. 285-382.400.

Mikhailova, Ljudmila M.: *See*—
 Kurdjumova, Kira N.; Shkodinskaya, Elizavetta N.; Sushinina, Ljudmila P.; Yuguzhinskaya, Valentina P.; Lagova, Nina D.; Sofina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.

Mikhalev, Alexandr S.: *See*—
 Dimitrov, Dimith T.; Matjukhina, Ljudmila I.; Mikhalev, Alexandr S.; and Chushenkov, Igor M., 4,888,538, Cl. 318-675.000.

Mikhlin, Fira, legal representative: *See*—
 Mikhlin, Josef A., deceased; Ikura, Michio; Kelly, James F.; and Capes, C. Edward, 4,889,538, Cl. 44-90.000.

Mikhlin, Josef A.; Capes, C. Edward; Divanji, Haresh S.; and Coleman, Richard D., to Canadian Patents and Development Limited. Method of producing fuel of relatively higher calorific value from low rank and oxidized coal. 4,874,393, 10-17-89, Cl. 44-20.000.

Mikhlin, Josef A., deceased (by Mikhlin, Fira, legal representative); Ikura, Michio; Kelly, James F.; and Capes, C. Edward, to Minister of Energy, Mines and Resources Canada. Coal agglomeration beneficiation with heavy hydrocarbon oils and utilization thereof in coal/heavy oil coprocessing. 4,889,538, 12-26-89, Cl. 44-90.000.

Miki, Atsushi: *See*—
 Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, 4,808,492, Cl. 429-34.000.

Miki, Hisaya; Araki, Shintaro; and Nitahara, Masatoshi, to Mitsui Petrochemical Industries, Ltd. Process for producing hydroxybenzenes. 4,835,125, 5-30-89, Cl. 568-771.000.

Miki, Ichiro: *See*—
 Oshima, Eitaro; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-453.000.

Miki, Masaharu, to Seiko Seiki Kabushiki Kaisha. Turbo-molecular pump. 4,826,393, 5-2-89, Cl. 415-72.000.

Miki, Masaharu, to Seiko Seiki Kabushiki Kaisha. Vacuum pump. 4,878,813, 11-7-89, Cl. 417-32.000.

Miki, Masayuki; and Suzuki, Seikoo, to Hitachi, Ltd. Air-fuel ratio detecting device. 4,883,0[illegible], [illegible], Cl. 73-23.000.

Miki, Masayuki: *See*—
 Ichikawa, Norio; Itoh, Takayuki; and Miki, Masayuki, 4,799,018, Cl. 324-465.000.
 Suzuki, Seikoo; Miki, Masayuki; Sasayama, Takao; Osuga, Minoru; and Oyama, Yoshishige, 4,882,030, Cl. 204-406.000.

Miki, Nobuaki; Suzuki, Akira; and Kobayashi, Kouji, to Aisin Aw Co., Ltd. Pressure control valve. 4,838,517, 6-13-89, Cl. 251-129.160.

Miki, Nobuaki: *See*—
 Ito, Yasunobu; and Miki, Nobuaki, 4,846,022, Cl. 74-866.000.
 Kobayashi, Kouji; Miki, Nobuaki; and Suzuki, Akira, 4,838,313, Cl. 137-625.650.
 Kobayashi, Kouji; Suzuki, Akira; and Miki, Nobuaki, 4,838,518, Cl. 251-129.160.
 Kondo, Hidehiro; and Miki, Nobuaki, 4,846,020, Cl. 74-866.000.

Miki, Nobuhiro, to Hashimoto Chemical Industries Co., Ltd. Method for preventing anhydrous potassium fluoride from solidification. 4,806,332, 2-21-89, Cl. 423-490.000.

Miki, Nobuhiro: *See*—
 Ohmi, Tadahiro; Miki, Nobuhiro; and Kikuyama, Hirohisa, 4,795,582, Cl. 252-79.300.

Miki, Osamu: *See*—
 Fujii, Masahiro; Miki, Osamu; Morinaga, Takehisa; and Fujii, Takaharu, 4,814,365, Cl. 210-510.100.
 Fujii, Masahiro; Miki, Osamu; Morinaga, Takehisa; and Fujii, Takaharu, 4,814,125, Cl. 264-44.000.

Miki, Ryota: *See*—
 Kojima, Katsumi; and Miki, Ryota, 4,802,563, Cl. 192-13.00A.

Miki, Sukeichi: *See*—
 Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomo, 4,811,119, Cl. 358-328.000.

Miki, Susumu. Screen opening and closing drive device. 4,845,321, 7-4-89, Cl. 200-61.840.

Miki, Toshihiro: *See*—
  Ohsaki, Saburou; Takahashi, Taketo; and Miki, Toshihiro, 4,877,962, Cl. 250-442.100.
Miki, Toshiro: *See*—
  Wada, Tatsuo; Miki, Toshiro; and Takenaka, Masamitsu, 4,889,584, Cl. 156-630.000.
Miki, Yoshiaki; and Ueda, Tsunehisa, to Nippon Zeon Co., Ltd. Composition comprising copper compound. 4,797,274, 1-10-89, Cl. 424-76.100.
Mikino, Hiroshi: *See*—
  Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, 4,845,543, Cl. 357-67.000.
Mikita, Hiroshi: *See*—
  Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, 4,882,519, Cl. 313-633.000.
Mikita, Masaru: *See*—
  Tanaka, Masahi; Yamauchi, Shigekazu; and Mikita, Masaru, 4,834,051, Cl. 123-440.000.
Mikitka, Nancy L.; Purkapile, Emerson J.; and Picht, Duane R., to Samaritan Industries, Inc. Mannequin device. 4,820,231, 4-11-89, Cl. 446-73.000.
Mikiya, Toshio: *See*—
  Hasegawa, Tsuneo; Matsumura, Mitsuma; Hashimoto, Atsuki; and Mikiya, Toshio, 4,807,606, Cl. 128-77.000.
  Ooki, Yasumasa, Asano, Osamu; and Mikiya, Toshio, 4,820,088, Cl. 408-17.000.
  Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, 4,854,787, Cl. 408-17.000.
  Takeuchi, Hirosato; and Mikiya, Toshio, 4,827,905, Cl. 126-443.000.
Mikkelsen, Alan R.: *See*—
  Sortwell, Edwin T.; and Mikkelsen, Alan R., 4,845,192, Cl. 528-499.000.
  Sortwell, Edwin T.; Slovinsky, Manuel; and Mikkelsen, Alan R., 4,874,588, Cl. 422-269.000.
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  Kirchmayr, Karl; Miko, Hans-Jurgen; Watzka, Bruno; Studinka, Josef; and Schmitt-Henco, Carl, 4,797,161, Cl. 106-98.000.
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  Puchala, Ryszard J.; and Miko, Stephen J., 4,854,770, Cl. 404-75.000.
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  Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., 4,829,134, Cl. 525-523.000.
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  Beery, Jack; and Mikolajczak, Matthew M., 4,835,698, Cl. 364-469.000.
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  Leonard, Thomas W.; Mikula, Karol K.; and Schlesinger, Marcia S., 4,888,360, Cl. 514-675.000.
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Mikulecky, Harvey W., to Cooper Power Systems, Inc. Fused tap voltage bushing. 4,818,967, 4-4-89, Cl. 337-202.000.
Mikulecky, Harvey W.: *See*—
  Knapp, Todd K.; Mikulecky, Harvey W.; and Reicher, Paul E. 4,820,183, Cl. 439-310.000.
Mikulski, Stanislaw M.: *See*—
  Shogen, Kuslima; Mikulski, Stanislaw M.; and Ardelt, Wojciech 4,882,421, Cl. 530-350.000.
Mikuni Kogyo Kabushiki Kaisha: *See*—
  Hashimoto, Shogo; and Watanabe, Hitoshi, 4,814,115, Cl. 261-44.300.
Mikuni, Yoshio; and Koshinaka, Osamu, to Maruzen Sewing Machine Co., Ltd. Thread tension device for overedge sewing machine 4,803,936, 2-14-89, Cl. 112-254.000.
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  Akesson, Leif A. E.; and Mikus, Marian, 4,843,039, Cl. 501-47.00
Mikusch, Gerald: *See*—
  Daubner, Edmund; and Mikusch, Gerald, 4,881,398, Cl. 72-419.00
  Wolfgang, Michael; Mikusch, Gerald; and Brangs, Eckhard 4,823,587, Cl. 72-405.000.
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  Eldredge, Donald W.; and Milam, Billy R., 4,815,281, Cl. 60-261.000.
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Milam, Joseph E.; and Wimer, William E., to PPG Industries, Inc. Method for producing 1,2,4-trichlorobenzene. 4,835,327, 5-30-89, Cl. 570-208.000.
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Milani, Dean L., to Medical Research Laboratories. Protection of EKG monitor against electrical surgical interference. 4,800,894, 1-31-89, Cl. 128-419.00R.
Milani, Federico: *See*—
  Ciaccia, Vittorio; and Milani, Federico, 4,829,109, Cl. 524-68.000.
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Milano, Arthur J. J., to Seitz Corporation. CPR face mask and method of using same. 4,811,730, 3-14-89, Cl. 128-203.110.
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Milano, Reed. Paper pick-up device. 4,877,280, 10-31-89, Cl. 294-99.200.
Milano, Renee: *See*—
  Salloum, Charles R.; and Milano, Renee, 4,850,784, Cl. 414-263.000.
Milanowski, Richard. System for attaching and locking material handling tools to a dipper boom. 4,871,292, 10-3-89, Cl. 414-723.000.
Milas, Victor: *See*—
  O'Neil, Robert A.; Clouser, Leon; Park, Insoon; and Milas, Victor, 4,815,604, Cl. 206-518.000.
Milat, Lloyd E. Portable table for use in vehicles. 4,795,210, 1-3-89, Cl. 297-194.000.
Milbank, Miles C.; and Williams, Perry M., to High-Tech Medical Instrumentation, Inc. Modular endoscopic apparatus with image rotation. 4,858,001, 8-15-89, Cl. 358-98.000.
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  Box, Joe G.; and Anderson, J. E. C., 4,842,025, Cl. 140-119.000.
  Jeromson, James R., Jr.; and Anderson, J. E. C., 4,862,572, Cl. 29-229.000.
Milbauer, Thomas H.; and Benson, LeDell E., to Marion Body Works, Inc. Recessed latch device. 4,871,201, 10-3-89, Cl. 292-113.000.
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  Cassidy, Donald J.; Van Alsten, Roy L.; and Milberg, Morton E., 4,866,014, Cl. 501-103.000.
Milberger, Lionel J.: *See*—
  Funderburg, Robert R., Jr.; Kattner, Max E.; Milberger, Lionel J.; and Slaughter, Louis D., 4,817,724, Cl. 166-337.000.
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  Pfiffner, Kent P.; and Milbocker, Michael T., 4,856,891, Cl. 351-210.000.
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Milbrett, Lynn, to Fluoroware, Inc. Bar code remote recognition system for process carriers of wafer disks. 4,833,306, 5-23-89, Cl. 235-375.000.
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Milde, Karl F., Jr., to V-Tronics Corporation. Automatic hazard light for a motor vehicle. 4,807,101, 2-21-89, Cl. 362-276.000.
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Mile, Erzsebet: *See*—
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
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Milek, Robert C. Mobile concrete mixer. 4,832,498, 5-23-89, Cl. 366-27.000.
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  Valladares, John F.; and Mileos, George, 4,850,107, Cl. 30-41.000.
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Miles, Floyd D., to Thermafoil Products Inc. Temperature-responsive controller for waterbed mattress heaters. 4,825,047, 4-25-89, Cl. 219-496.000.
Miles, George A.: *See*—
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  Albarella, James P.; and Buckler, Robert T., 4,810,638, Cl. 435-7.000.
  Albarella, James P.; Noell, J. Oakey; Vogelhut, Paul O.; and Ward, deceased, Frederick E., 4,886,625, Cl. 252-500.000.
  Bauer, Robert; and Magers, Thomas A., 4,810,633, Cl. 435-25.000.
  Bigelis, Ramunas; and Black, Kathleen A., 4,877,728, Cl. 435-68.000.
  Bomer, Bruno; and Piejko, Karl-Erwin, 4,800,169, Cl. 436-166.000.
  Brenneman, Allen J.; Buck, Harvey B., Jr.; Pugh, Jerry T.; and Robertson, Steven P., 4,798,577, Cl. 494-67.000.
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  Chan, Sham Y., 4,851,346, Cl. 435-240.310.
  Charlton, Steven C.; and Kurchacova, Elva, 4,855,228, Cl. 435-28.000.
  Chung, Koo-Heung; and Verhoff, Francis H., 4,849,357, Cl. 435-188.000.
  Corey, Paul F., 4,810,636, Cl. 435-14.000.
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  El-Fakahany, Esam E., 4,797,410, Cl. 514-356.000.
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  Fossati, Piero, 4,806,415, Cl. 435-14.000.
  Fredrickson, Robert A., 4,814,433, Cl. 530-388.000.
  Greenquist, Alfred C., 4,806,311, Cl. 422-56.000.
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  Heiland, Robert, 4,817,820, Cl. 221-279.000.
  Hershberger, Donald F., 4,806,474, Cl. 435-101.000.
  Hugl, Herbert; and Schnabel, Eugen, 4,806,423, Cl. 435-19.000.
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  Humbarger, Grant V., 4,887,457, Cl. 73-49.300.
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  Kegel, Mary A.; and Wallace, Donald L., 4,806,479, Cl. 435-244.000.
  Khoja, Mirza A.; and Wogoman, Frank W., 4,820,491, Cl. 422-63.000.
  Kluender, Harold C.; Woessner, Warren D.; and Biddlecom, William G., 4,833,157, Cl. 514-530.000.
  Ledden, David J.; and Schroedter, Dwight E., 4,810,635, Cl. 435-7.000.
  Lewis, Lynette A.; Messenger, Lowry; Yeager, Frances M.; and Yip, Kin F., 4,847,209, Cl. 436-533.000.
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  Meng, Y. Gloria; and Trawinski, Jurgen, 4,842,998, Cl. 435-7.000.
  Morris, David A. N., 4,820,490, Cl. 422-58.000.
  Ohnishi, S. Tsuyoshi, 4,851,404, Cl. 514-211.000.
  Perry, Joseph E., 4,329,230, Cl. 323-273.000.
  Siadak, Anthony W.; and Lostrom, Mark E., 4,834,975, Cl. 424-87.000.
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Miles Laboratories, Inc.: *See*—
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Collins, Michael S.; and Roby, Robert E., 4,801,450, Cl. 424-87.000.
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Hector, Richard F., 4,851,389, Cl. 514-43.000.
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Kuhlemann, Bruce W.; Macabasco, Agilio E.; and Salumbides, Renato R., 4,880,425, Cl. 604-404.000.
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Van Beveren, Shirley M.; and Pappenhagen, Albert R., 4,841,026, Cl. 530-394.000.
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Miles, Leon H.: *See—*
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Miles, Michael; and Tarling, Stephen R., to Avdel Limited. Fastener installation apparatus. 4,798,079, 1-17-89, Cl. 72-391.000.
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Milewski, John V.; and Milewski, Peter D., 4,864,186, Cl. 313-341.000.
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Milgate, Robert W., III, to Eclipse Ion Technology, Inc. Method and apparatus for venting vacuum processing equipment. 4,836,233, 6-6-89, Cl. 137-14.000.
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Milke, David D., to Republic Industries, Inc. Sensing apparatus for automatic door. 4,851,746, 7-25-89, Cl. 318-467.000.
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Millar, Paul C., to British Telecommunications public limited company. First order digital filter with controlled boost/truncate quantizer. 4,823,296, 4-18-89, Cl. 364-724.030.
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Millas, Gary P.: *See—*
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Millay, Jack: *See—*
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Miller, Acie B.; Simpson, Ralph H., Jr.; and Luffman, Jimmy W., to Golden Needles Knitting & Glove Co., Inc. Method and apparatus for binding edges of woven, non woven and knitted articles. 4,842,661, 6-27-89, Cl. 156-88.000.
Miller, Adam C.; Hazar, Mitchell M.; and Harvey, William G., to Grease Genie, Inc. Automatic drain system treatment process. 4,797,208, 1-10-89, Cl. 210-606.000.
Miller, Alan G., to Minnesota Mining and Manufacturing Company. Stabilized leuco phenazine dyes and their use in an imaging system. 4,889,932, 12-26-89, Cl. 544-348.000.
Miller, Alan L.: *See—*
Schneider, Karl F.; Haley, William J.; and Miller, Alan L., 4,875,561, Cl. 192-0.033.

Miller, Alan N., to IPCO Corporation. Probe unit for electro-surgical device. 4,834,095, 5-30-89, Cl. 128-303.140.
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Miller, Alex S.: *See—*
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Miller, Allen D.: *See—*
Buhler, James E.; Crapser, James R.; Miller, Allen D.; and Wefler, Mark E., 4,875,626, Cl. 239-314.000.
Miller, Anthony D. Chair construction. 4,875,732, 10-24-89, Cl. 297-181.000.
Miller, Anton J.: *See—*
Kore, Jeffrey T.; and Miller, Anton J., 4,874,463, Cl. 156-645.000.
Miller, Arden O., to Navistar International Transportation Corp. Variable wheelbase length steering linkage. 4,875,697, 10-24-89, Cl. 280-95.100.
Miller, Arnold: *See—*
Herbison, B. J.; Lyman, Carter; Karger, Paul; Mann, Bruce; Lipner, Steve; and Miller, Arnold, 4,881,263, Cl. 380-21.000.
Miller, Arnold G.: *See—*
Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Pousson, Michael W., Jr.; and Wagner, Robert E., 4,837,680, Cl. 364-200.000.
Miller, Arthur: *See—*
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Miller, Arthur C., Jr.: *See—*
Shofner, Frederick M.; Miller, Arthur C., Jr.; and Kreikebaum, Gerhard, 4,885,473, Cl. 250-574.000.
Miller, Arthur F. Drying board. 4,824,063, 4-25-89, Cl. 248-346.000.
Miller, Arthur F.: *See—*
Grasselli, Robert K.; Miller, Arthur F.; and Hardman, Harley F., 4,863,891, Cl. 502-306.000.
Miller, Benjamin D.; and Jablonski, Thaddeus M., to Remcor Products Company. Hopper and agitator assembly for an ice dispenser. 4,856,682, 8-15-89, Cl. 222-238.000.
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Miller, Bernard D., to National Semiconductor Corporation. Electrostatic discharge integrated circuit protection. 4,829,350, 5-9-89, Cl. 357-23.130.
Miller, Bernard F. Gas compressor with labyrinth sealing and active magnetic bearings. 4,889,039, 12-26-89, Cl. 92-140.000.
Miller, Bernhard: *See—*
Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
Miller, Bradley J.; and McKenna, Paul, to Miller, Bradley Jay; McKenna, Paul G.; McKenna, Bernard J.; and Miller, Daniel R. Vehicle gage display device. 4,827,646, 5-9-89, Cl. 40-591.000.
Miller, Bradley Jay: *See—*
Miller, Bradley J.; and McKenna, Paul, 4,827,646, Cl. 40-591.000.
Miller Brewing Company: *See—*
Good, James L., 4,817,364, Cl. 53-374.000.
Lindberg, Chris E.; Kot, Edward J.; and Chicoye, Etzer, 4,840,802, Cl. 426-16.000.
Miller, Bruce. Multi-purpose lamp. 4,807,125, 2-21-89, Cl. 362-250.000.
Miller, Bruce E.; and Owen, Robert E., to Bipolar Integrated Technology, Inc. High-speed digital multiplier architecture. 4,841,468, 6-20-89, Cl. 364-754.000.
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Bremner, Robert; Duffy, Hugh; and Miller, Burton E., 4,822,983, Cl. 219-505.000.
Miller, Calvin M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber tap. 4,802,723, 2-7-89, Cl. 350-96.150.
Miller, Calvin M.: *See—*
Mathis, Terry D.; and Miller, Calvin M., 4,850,670, Cl. 350-96.210.
Miller, Carl; and Sloan, Richard, Jr., to Pitney Bowes Inc. Postage meter drive system. 4,864,505, 9-5-89, Cl. 364-464.020.
Miller, Cecelia B., executrix: *See—*
Miller, Theodore H., deceased; and Slusarski, Ronald S., 4,875,722, Cl. 292-92.000.
Miller, Charles A.: *See—*
Beamenderfer, Robert E.; Conley, Larry E.; Miller, Charles A.; Nauman, Warren D.; Pala, Ronald S.; and Zelko, William E., 4,834,674, Cl. 439-494.000.
Haddock, John T.; Miller, Charles A.; Moist, Stanford C., Jr.; Nauman, Warren D.; and Pala, Ronald S., 4,881,911, Cl. 439-484.000.
Miller, Charles H.; Mansolillo, Robert D.; Kaminski, Stanley J.; and Mushall, Susan G., to Congoleum Corporation. Method of making embossed decorative sheets. 4,844,849, 7-4-89, Cl. 264-46.400.
Miller, Charles R. Finned tube support for coat hangers. 4,805,786, 2-21-89, Cl. 211-105.100.
Miller, Charles W., Jr.: *See—*
Lavoie, Gerard H.; Miller, Charles W., Jr.; Currier, John K.; Saunders, Lionel F.; and Leary, Daniel J., 4,885,454, Cl. 219-390.000.
Mello, Mark D.; Iemma, Steven C.; Hill, Ray M.; Miller, Charles W., Jr.; Blais, Louis G.; Andersen, Carl E.; and Feeley, J. Terence, 4,830,261, Cl. 228-102.000.
Miller, Christopher E.: *See—*
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Miller, Christopher G.: *See—*
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Miller, Christopher P.; and Patton, Charles S., to International Business Machines Corporation. Memory device and method implementing wordline redundancy without an access time penalty. 4,885,720, 12-5-89, Cl. 365-200.000.
Miller, Christopher R., to United States of America, National Aeronautics and Space Administration. Passive zero-gravity leg restraint. 4,865,270, 9-12-89, Cl. 244-118.500.
Miller, Clarence W., to Kupensky, Thomas J. Size-adjustable window insert assembly. 4,841,696, 6-27-89, Cl. 52-202.000.
Miller, Clayton R.: *See—*
Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., 4,813,963, Cl. 623-23.000.
Miller, Clive W.: *See—*
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Miller, Conrad E., to Du Pont de Nemours, E. I., and Company. Photosensitive element having improved antistatic layer. 4,859,570, 8-22-89, Cl. 430-271.000.
Miller, Craig S.: *See—*
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Miller, Curtis H.; Arenberg, I. Kaufman; and Altshuler, John H., to Micromedics, Inc. Fibrin glue delivery system. 4,874,368, 10-17-89, Cl. 604-82.000.
Miller, Cynthia S., to TRW Inc. Oil-filled submergible electric pump motor with unvarnished stator structure. 4,833,354, 5-23-89, Cl. 310-87.000.
Miller, Dale A. Descaling and anti-oxidizing composition and process therefor. 4,797,220, 1-10-89, Cl. 252-82.000.
Miller, Daniel R.: *See—*
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Miller, Daniel W.; and Cella, Albert F., to Parker-Hannifin Corporation. Cartridge bypass valve. 4,815,493, 3-28-89, Cl. 137-454.500.
Miller, Darrell J.: *See—*
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Miller, Darwin A.: *See—*
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Miller, David A. B., to American Telephone & Telegraph Company and American Telephone and Telegraph Company, AT&T Bell Laboratories. Integrated multiple quantum well photonic and electronic devices. 4,884,119, 11-28-89, Cl. 357-58.000.
Miller, David A. B.: *See—*
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Chemla, Daniel S.; Miller, David A. B.; and Smith, Peter W., 4,860,296, Cl. 372-44.000.
Miller, David B. One-piece in-line pressure compensating drip irrigation emitter. 4,824,025, 4-25-89, Cl. 239-542.000.
Miller, David B., to Refrigeration Engineering Corporation. Spiral freezer drive system. 4,866,354, 9-12-89, Cl. 318-67.000.
Miller, David C.; and Brown, Arthur R., to Amoco Corporation. Method for collecting magnetizable particles in an above ground storage tank. 4,813,277, 3-21-89, Cl. 73-49.200.
Miller, David C.; and Brown, Arthur R., to Amoco Corporation. Method for establishing a clean interface in a leak detector in an above ground storage tank. 4,813,284, 3-21-89, Cl. 73-49.200.
Miller, David C.: *See—*
Brown, Arthur R.; and Miller, David C., 4,813,269, Cl. 73-49.200.
Brown, Arthur R.; and Miller, David C., 4,813,285, Cl. 73-49.200.
Kane, Richard; Meyerhoefer, Carl; Miller, David C.; and Pendleton, Thomas J., 4,858,781, Cl. 220-407.000.
Koda, Walter; Meyerhoefer, Carl; Miller, David C.; Pendleton, Thomas J.; and Smith, Maria-Teresa, 4,865,214, Cl. 220-263.000.
Miller, David H., to Hospital Systems Inc. Wall-mounted over-bed lighting fixture. 4,816,969, 3-28-89, Cl. 362-130.000.
Miller, David H., to Hospital Systems, Inc. Mounting rail for hospital appliances and bracket. 4,869,378, 9-26-89, Cl. 211-94.000.
Miller, David J.; Bryant, David R.; Billig, Ernst; and Shaw, Bernard L., to Union Carbide Corporation. Reactivation of hydroformylation catalysts. 4,861,918, 8-29-89, Cl. 568-454.000.
Miller, David L.: *See—*
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Miller, Denise L.; and Ley, Vance A., to Texas Instruments Incorporated. Contactless annealing process using cover slices. 4,830,987, 5-16-89, Cl. 437-247.000.

Miller, Dennis E.: *See*—

Abujudom, David N.; and Miller, Dennis E., 4,826,496, Cl. 251-11.000.

Miller, Dennis L., to RCA Licensing Corp. Device for indicating the size of an object. 4,831,740, 5-23-89, Cl. 33-501.000.

Miller, Dennis L.: *See*—

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Miller, Donald A., to International Business Machines Corporation. Method for designating/sorting semiconductor wafers according to predicted oxygen precipitation behavior. 4,809,196, 2-28-89, Cl. 364-550.010.

Miller, Donald L. Automobile trunk loading and unloading device. 4,799,849, 1-24-89, Cl. 414-462.000.

Miller, Donald P. Portable stand for a surveyor's rod. 4,803,784, 2-14-89, Cl. 33-293.000.

Miller, Douglas J. Method of repairing a binding post. 4,796,349, 1-10-89, Cl. 29-402.080.

Miller, Douglas J. Binding post repair kit. 4,822,196, 4-18-89, Cl. 403-11.000.

Miller, Douglas P., to Applied Power Inc. Swing clamp. 4,799,657, 1-24-89, Cl. 269-24.000.

Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, to Ohio State University Research Foundation. 5-fluoro- and 8-fluoro-trimetoquinol compounds and the processes for their preparation. 4,855,476, 8-8-89, Cl. 558-410.000.

Miller, Edward A. Chain saw and guide. 4,858,325, 8-22-89, Cl. 30-373.000.

Miller, Ernest C., to University Medical Center, Inc. Disposable covered needle for syringe. 4,886,503, 12-12-89, Cl. 604-192.000.

Miller, Ernest L.: *See*—

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Miller, Francis G. Method for recovering fine clean coal. 4,802,976, 2-7-89, Cl. 209-12.000.

Miller, Francis M., to Conax Florida Corporation. Electronic firing circuit. 4,827,844, 5-9-89, Cl. 102-220.000.

Miller, Francis P.: *See*—

Carr, Albert A.; Nieduzak, Thaddeus R.; Miller, Francis P.; and Sorensen, Stephen M., 4,870,083, Cl. 514-317.000.

Miller, Frank. Removal of water from carbonaceous solids by use of methyl formate. 4,811,494, 3-14-89, Cl. 34-9.000.

Miller, Fred W. Clip fastener. 4,821,482, 4-18-89, Cl. 52-714.000.

Miller, Fred W., Jr.; Sweat, Forrest W.; and Jennings, Dale L., to Rohr Industries, Inc. Cutting abrasive feeder, demand type. 4,829,724, 5-16-89, Cl. 51-436.000.

Miller, Frederick W.: *See*—

Goergen, Rene; Hitzky, Leo J.; Miller, Frederick W.; Galante, Richard L.; Waibel, Terry J.; Kolowski, Michael A.; and Hopkins, William M., 4,823,855, Cl. 152-209.00R.

Miller, Fredrick O.: *See*—

Chumley, Dexter W.; and Miller, Fredrick O., 4,881,656, Cl. 220-270.000.

Miller, Gabriel L., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical ranging by phase shift measurement with return signal level compensation. 4,829,172, 5-9-89, Cl. 250-205.000.

Miller, Garl Q., to Idaho Fluid Power, Inc. Asphalt patching device. 4,830,533, 5-16-89, Cl. 404-101.000.

Miller, Gary H.; and Samson, Wilfred J., to Advanced Cardiovascular Systems, Inc. Self-venting balloon dilatation catheter and method. 4,821,722, 4-18-89, Cl. 128-344.000.

Miller, Gary L., to Catalyst Semiconductor, Inc. CMOS rectifier circuit. 4,811,191, 3-7-89, Cl. 363-127.000.

Miller, Gary L.: *See*—

White, Robert L.; Highton, Frederick J.; Ito, Kazuo; and Miller, Gary L., 4,800,365, Cl. 341-119.000.

Miller, Gary R.: *See*—

Huddleston, Thomas J.; Smith, William P.; and Miller, Gary R., 4,865,951, Cl. 430-278.000.

Miller, Gene S.: *See*—

McGraw, William D.; Christian, Kevin G.; Hall, William M.; Miller, Gene S.; Seaman, Christopher M.; and Kozarek, Robert L., 4,814,050, Cl. 204-67.000.

Miller, Gene W., to Utah State University Foundation. Treatment of plant chlorosis with rhodotorulic acid. 4,872,899, 10-10-89, Cl. 71-11.000.

Miller, George, to Hidrotronic Watercleaning Systems, Ltd. Method and apparatus for water purification. 4,802,991, 2-7-89, Cl. 210-705.000.

Miller, George T.; and Evarts, Gerald L. Ferrophosphorous composition having improved conductivity and passivation resistance. 4,828,614, 5-9-89, Cl. 106-1.220.

Miller, George T., to Occidental Chemical Corporation. Hot-dip galvanized coating for steel. 4,873,153, 10-10-89, Cl. 428-659.000.

Miller, George W.; and Theis, Clarence F., to United States of America, Air Force. Secondary oxygen purifier for molecular sieve oxygen concentrator. 4,813,979, 3-21-89, Cl. 55-25.000.

Miller, George W.; and Theis, Clarence F., to United States of America, Air Force. Molecular sieve oxygen concentrator with secondary oxygen purifier. 4,880,443, 11-14-89, Cl. 55-26.000.

Miller, Gerald A., to Analog Devices, Incorporated. Sample/hold amplifier for integrated circuits. 4,833,345, 5-23-89, Cl. 307-353.000.

Miller, Gerald A.: *See*—

Fernandes, John W.; Miller, Gerald A.; Mallinson, Andrew M.; a Lewis, Stephen R., 4,804,960, Cl. 341-158.000.

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Miller, Gerhard: *See*—

Porst, Alfred; Miller, Gerhard; and Feldvoss, Mario, 4,816,96 363-56.000.

Miller, Grady A., Jr., to LTV Aerospace & Defense Company. Meth and apparatus for applying solder preforms. 4,842,184, 6-27-8 228-180.100.

Miller, Grady A., Jr., to LTV Aerospace & Defense Company. Meth of designing and manufacturing circuits using universal circuit bo 4,868,980, 9-26-89, Cl. 29-850.000.

Miller, Greg A.; and Stoll, Donald H., to General Electric Comp Weatherproof air conditioning disconnect switch. 4,851,963, 7-25 Cl. 361-356.000.

Miller, Gregory R.: *See*—

Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, Ja E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stan Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; a Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.

Miller, H. Richard, to Lubrizol Corporation. The Modified an compositions. 4,889,880, 12-26-89, Cl. 524-71.000.

Miller, Harris: *See*—

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Miller, Harry, to Honeywell, Inc. Redundant seal for pressure ve 4,848,806, 7-18-89, Cl. 285-106.000.

Miller, Harry; and Zweifel, Terry, to Honeywell Inc. Windshear ind tion and warning system with evasion command. 4,857,922, 8-1 Cl. 340-968.000.

Miller, Harry C.; and Helesfai, Stephen. Radiological detection resis combination lock. 4,796,446, 1-10-89, Cl. 70-316.000.

Miller, Harry C.; and Helesfai, Stephen. Tumbler wheel structure radiological detector resistant combination lock. 4,803,859, 2-14 Cl. 70-323.000.

Miller, Henry O., to Sears, Roebuck & Company. Electric m 4,815,224, 3-28-89, Cl. 38-90.000.

Miller, Henry W.: *See*—

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Miller, Ira, to Motorola, Inc. Comparator circuit. 4,808,848, 2-28-8 307-355.000.

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Miller, Ira, to Motorola, Inc. MOS bandgap voltage reference circ 4,839,535, 6-13-89, Cl. 307-296.700.

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Miller, James J.; and Valentine, Robert C. Portable pipe testing apparatus. 4,858,464, 8-22-89, Cl. 73-49.500.

Miller, James K., to Walbro Corporation. Cold-start engine priming and air purging system. 4,836,157, 6-6-89, Cl. 123-187.50R.

Miller, James K., to Walbro Corporation. Cold-start engine priming and air purging system. 4,848,290, 7-18-89, Cl. 123-187.50R.

Miller, James R. Method of playing a board game. 4,801,147, 1-31-89, Cl. 273-276.000.

Miller, James W., to General Motors Corporation. Vacuum check valve and method of control. 4,886,085, 12-12-89, Cl. 137-1.000.

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Miller, Jan D.; and Yi, Ye, to University of Utah. Air sparged hydrocyclone flotation apparatus and methods for separating particles from a particulate suspension. 4,838,434, 6-13-89, Cl. 209-164.000.

Miller, Jeffrey J. Variable incline exercise apparatus. 4,884,803, 12-5-89, Cl. 272-145.000.

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Miller, Jeffrey T., to Amoco Corporation. Hydrocracking process. 4,812,224, 3-14-89, Cl. 208-111.000.

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Miller, Jesse D., Jr.: *See*—

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Miller, John B. Dual flush system for toilets. 4,837,867, 6-13-89, Cl. 4-324.000.

Miller, John B.; and Vennesland, Oystein, to Norsk Averflate Teknikk A/S (NOT). Process of electrochemically re-alkalizing reinforced concrete. 4,865,702, 9-12-89, Cl. 204-147.000.

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Miller, John D.: *See*—

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Miller, John E., to Parma Corporation. Coil spring mattress core. 4,811,932, 3-14-89, Cl. 267-95.000.

Miller, John F., to Georgia-Pacific Resins, Inc. Method for stabilizing aqueous solutions of cationic thermosetting polyamide-epichlorohydrin resins. 4,853,431, 8-1-89, Cl. 524-608.000.

Miller, John H.; and Moore, Peter C., to Cecil & Hume Associates, Inc. Magnetic recording head motion translation apparatus for head/media evaluation systems. 4,811,144, 3-7-89, Cl. 360-106.000.

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Miller, John M.; Barton, Richard O.; and Bergin, Michael T., to Grumman Aerospace Corporation. Multi-axis alignment apparatus. 4,804,270, 2-14-89, Cl. 356-355.000.

Miller, John M.; Landman, Ronald G.; and Fenton, James E., to Ford Motor Company. Windshield wiper and control system. 4,866,357, 9-12-89, Cl. 318-443.000.

Miller, John S.; and Van Brunt, Michael K., to G & H Technology, Inc. Current detection device having an extended frequency range of response. 4,804,917, 2-14-89, Cl. 324-95.000.

Miller, John S.: *See*—

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Miller, John W. V., to Owens-Illinois Television Products Inc. Method of and apparatus for electrooptical inspection of articles. 4,820,932, 4-11-89, Cl. 250-563.000.

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Miller, Jonathan T.: *See*—

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Miller, Joseph A.: *See*—

Dobson, Roy L. M.; Loomans, Maurice E.; Matthews, Randall S.; and Miller, Joseph A., 4,849,428, Cl. 549-307.000.

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Miller, Katherine H., to Staodynamics, Inc. Soft tissue wound healing therapy utilizing pulsed electrical stimulation. 4,846,181, 7-11-89, Cl. 128-421.000.

Miller, Kathern M. Jewelry holder. 4,821,883, 4-18-89, Cl. 206-495.000.

Miller, Keith M.: *See*—

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Miller, Kenneth C.; Sipos, Laszlo; and Sipos, Paul L., to Kubik Enterprises, Inc. Multiple-player disc-changer apparatus. 4,815,057, 3-21-89, Cl. 369-37.000.

Miller, Kenneth E.: *See*—

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Miller, Kenneth J.; and Wen, Wu-Wey, to United States of America, Energy. Selective flotation of inorganic sulfides from coal. 4,867,868, 9-19-89, Cl. 209-167.000.

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Miller, Lane R.; Nobles, Charles M., Jr.; and McGuire, Dennis P., to Lord Corporation. Semi-active damper for vehicles and the like. 4,838,392, 6-13-89, Cl. 188-277.000.

Miller, Lane R., to Lord Corporation. Observer control means for suspension systems or the like. 4,881,172, 11-14-89, Cl. 364-424.050.

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Miller, Larry D., to General Motors Corporation. Window regulator mechanism for frameless windows. 4,823,507, 4-25-89, Cl. 49-227.000.

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Miller, Lawrence G. Container opening device. 4,874,126, 10-17-89, Cl. 229-160.200.

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Miller, Leonard F.: *See*—

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Miller, Leonard L.; and Swinehart, W. Keith, to Midtec, Inc. of America. Expandable manifold for water delivery system. 4,848,391, 7-18-89, Cl. 137-270.000.

Miller, Les A.; Tabanfar, Shahin; and Chung, Chih-Hua, to Spectra Physics, Inc. Automatic test system for check valve closure in pump for liquid chromatography system. 4,832,575, 5-23-89, Cl. 417-18.000.

Miller, Leslie A.: *See*—

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Miller, Marvin J., to University of Notre Dame du Lac. Azetidinone N-phosphonomethyl esters. 4,820,815, 4-11-89, Cl. 540-200.000.

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Miller, Matthew; Miller, Jonathan; Woodhall, Michael B.; and Jennings, Mark F., to Shop-Vac Corporation. Carpet cleaning apparatus. 4,845,802, 7-11-89, Cl. 15-321.000.

Miller, Merle L.; and Culick, Dale E., to Advanced Micro Devices, Inc. Master/slave synchronizer. 4,860,285, 8-22-89, Cl. 370-100.000.

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Miller, Michael A. Solar controlled water well. 4,802,829, 2-7-89, Cl. 417-12.000.

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Miller, Michael B., to Litton Systems, Inc. Alignable single channel fiber optic rotary joint. 4,815,812, 3-28-89, Cl. 350-96.210.

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Miller, Michael K.; and Stockton, Warren D. Fast cartridge loader for firearm magazines. 4,879,829, 11-14-89, Cl. 42-87.000.

Miller, Michael K.; and Stockton, Warren D. Large capacity ammunition magazine. 4,888,898, 12-26-89, Cl. 42-49.010.

Miller, Michael L. Casting device for fishing rod. 4,845,880, 7-11-89, Cl. 43-19.000.

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Miller, Mike: *See—*

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Miller, Murrell T., to ACRAVAC. Conveyor system and method for transporting materials. 4,877,124, 10-31-89, Cl. 198-711.000.

Miller, Neil C., to Phillips Petroleum Company. Method and apparatus for periodically determining the flash point of a flammable liquid. 4,831,559, 5-16-89, Cl. 364-550.000.

Miller, Nicholas A. Brake maintenance monitor. 4,800,991, 1-31-89, Cl. 188-1.110.

Miller, Norbert, to Tektronix, Inc. System for digitizing the trajectory of a target point of a moving beam. 4,885,713, 12-5-89, Cl. 364-604.000.

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Miller, Peter J., to Cambridge Research and Instrumentation Liquid crystal devices and systems using such devices. 7-18-89, Cl. 350-347.00E.

Miller, Philip; Shindley, Richard P.; Feltz, Kristi T.; Hansen, E.; and White, Jonathan R., to PAR Microsystems, Inc. System speech-facilitated product preparation and/or delivery system method. 4,882,475, 11-21-89, Cl. 235-383.000.

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Miller, Ray R. Belt and drum-type press with supplemental means. 4,877,487, 10-31-89, Cl. 162-360.100.

Miller, Ray R. High heat flux roll and press utilizing same. 12-26-89, Cl. 100-93.0RP.

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Miller, Richard A.: *See—*

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Miller, Robert. Vehicle bumper, accessories attachable combination. 4,798,409, 1-17-89, Cl. 293-117.000.

Miller, Robert A. Emergency signal device. 4,839,630, 340-574.000.

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Miller, Robert G. Method and apparatus for producing reinforced cementitious panel webs. 4,816,091, 3-28-89, Cl. 156-42.000.

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Miller, Robert O.; and Liou, Fu-Tai, to SGS-Thomson Microelectronics, Inc. Process for making refractory metal silicide cap for protecting multi-layer polycide structure. 4,886,764, 12-12-89, Cl. 437-200.000.

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Miller, Roger G.; and Clark, Robert J., to Prince Corporation. Snap-in mirror package. 4,866,579, 9-12-89, Cl. 362-144.000.

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Miller, Steven S., to United States of America, Energy. Method of inducing surface ensembles on a metal catalyst. 4,840,931, 6-20-89, Cl. 502-162.000.

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Miller, Theodore H.; and Miller, Theodore H., to Emhart Industries Inc. Exit device actuator and dogger. 4,801,16 1-31-89, Cl. 292-92.000.

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Miller, Vernon R.; and Roberts, Lincoln E., to AMP Incorporated. Premise wiring system for frame structures. 4,800,696, 1-31-89, Cl. 52-221.000.

Miller, Victor S.; and Wegman, Mark N., to International Business Machines Corporation. Data compression method. 4,814,746, 3-21-89, Cl. 341-95.000.

Miller, Wallace W. Golf club head. 4,869,508, 9-26-89, Cl. 273-175.000.

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Mills, Charles D.; and Crider, Thillmon F., to Mills Machine Company. Rotary mining bit. 4,813,501, 3-21-89, Cl. 175-335.000.
Mills, David J.: *See*—
  Kinge, Nigel; Sanderson, Neil E.; and Mills, David J., 4,883,957, Cl. 250-283.000.
Mills, Deborah J.: *See*—
  Cohen, Roberta S.; Huber, Kenneth M.; Mills, Deborah J.; Drapal, Myron E.; and Osterweil, Janis R., 4,837,798, Cl. 379-88.000.
Mills, Derek J., to Metpost Ltd. Method of making a post support. 4,860,940, 8-29-89, Cl. 228-173.400.
Mills, Doris A.: *See*—
  Fay, James E., III; Hrubecky, Frederick J.; Mills, Doris A.; Gierke, Carl J.; Heikkinen, Wilbert; Williams, Rory D.; and Lang, James I., 4,834,774, Cl. 44-14.000.
Mills, Frank D.; Brown, Richard T.; and Mills, Giles D., Jr., to United States of America, Agriculture. Process for the preparation of ketones and novel insecticides produced therefrom. 4,829,091, 5-9-89, Cl. 514-684.000.
Mills, Frederick E., III: *See*—
  Cole, Francis T.; Livdahl, Philip V.; Mills, Frederick E., III; and Teng, Lee C., 4,870,287, Cl. 250-492.300.
Mills, Gary L.: *See*—
  Ower, Ronald D., deceased; Mills, Gary L.; and Malachowski, James A., 4,866,878, Cl. 47-1.100.
Mills, Gary N.; and Willock, Charles B., to CD Medical Inc. Dry chemical mix system for hemodialysis. 4,812,239, 3-14-89, Cl. 210-647.000.
Mills, Gary N.; Peterson, Bruce A.; and Preston, William G., Jr., to CD Medical Inc. Valve monitor and method. 4,821,769, 4-18-89, Cl. 137-554.000.
Mills, Gary N.: *See*—
  Guinn, Perry W.; Mills, Gary N.; Bedient, Robert A.; and Greeley, Martin O., 4,889,812, Cl. 435-289.000.
Mills, Giles D., Jr.: *See*—
  Mills, Frank D.; Brown, Richard T.; and Mills, Giles D., Jr., 4,829,091, Cl. 514-684.000.
Mills, Harold E.: *See*—
  Majerus, Norbert; Mills, Harold E.; and Rambacher, John S., 4,818,203, Cl. 425-115.000.
Mills, Jack; Schmiegel, Klaus K.; and Shaw, Walter N., to Eli Lilly and Company. Phenethanolamines, compositions containing the same and method for effecting weight control. 4,845,127, 7-4-89, Cl. 514-539.000.
Mills, James E.: *See*—
  Holcombe, Cressie E.; Dykes, Norman L.; Kimrey, Harold D., Jr., and Mills, James E., 4,810,846, Cl. 219-10.55R.
Mills, Jesse V., to Henley Manufacturing Corporation. Rocker arm of the cam-follower type with ribs. 4,825,717, 5-2-89, Cl. 74-519.000.
Mills, Jesse V., to Henley Manufacturing Corporation. Low-friction, boat-type rocker arm. 4,848,180, 7-18-89, Cl. 74-519.000.
Mills, Jesse V.: *See*—
  Patel, Ramanlal L.; and Mills, Jesse V., 4,796,483, Cl. 74-519.000.
Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., to Grace Inc. Diaphragm pump. 4,867,653, 9-19-89, Cl. 417-360.000.
Mills, John E.: *See*—
  Cherry, David A.; Maryanoff, Cynthia A.; Mills, John E.; Olofson, Roy A.; and Rodgers, James D., 4,798,893, Cl. 544-215.000.
Mills, John W. Overrun control device. 4,850,205, 7-25-89, Cl. 62-308.000.
Mills, Keith: *See*—
  Oxford, Alexander W.; Coates, Ian H.; Bays, David E.; Webb, Colin F.; Dowle, Michael D.; Mills, Keith; and Eldred, Colin D., 4,855,314, Cl. 514-415.000.
Mills, Louis T., to Hewlett-Packard Company. Method and apparatus for detecting dielectric defects. 4,803,435, 2-7-89, Cl. 324-456.000.
Mills Machine Company: *See*—
  Mills, Charles D.; and Crider, Thillmon F., 4,813,501, Cl. 175-335.000.
Mills, Manual D. Pump-off control. 4,873,635, 10-10-89, Cl. 364-422.000.
Mills, Marvin A., Jr.; and Crudele, Lester M., to MIPS Computer Systems, Inc. Write buffer. 4,805,098, 2-14-89, Cl. 364-900.000.
Mills, Milton V.: *See*—
  Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.
  Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.
Mills, Neal C. Jewelry clamp. 4,848,758, 7-18-89, Cl. 269-16.000.
Mills, Ned D. Mechanical transmission. 4,823,627, 4-25-89, Cl. 74-117.000.
Mills, Norman J. Building block guide with hand-cranked clamping means. 4,796,851, 9-19-89, Cl. 33-410.000.
Mills, Perry A.; and Brockway, Brian P., to Data Sciences, Inc. Device and method for chronic in-vivo measurement of internal body pressure. 4,796,641, 1-10-89, Cl. 128-748.000.

Mills, Perry A.: See—

Brockway, Brian P.; Mills, Perry A.; and Miller, Jonathan T., 4,846,191, Cl. 128-748.000.

Mills, Peter S.; and Long, Geoffrey R., to Blue Circle Industries PLC. Settable mineral clinker compositions. 4,798,628, 1-17-89, Cl. 106-104.000.

Mills, Randell L. Mossbauer cancer therapy. 4,815,447, 3-28-89, Cl. 600-1.000.

Mills, Randell L. Mossbauer cancer therapy. 4,815,448, 3-28-89, Cl. 600-2.000.

Mills, Ronald D. Method of attaching a rotatable cutting bit shield. 4,823,454, 4-25-89, Cl. 29-437.000.

Mills, Roy I. Motor vehicle anti-theft door latch control button. 4,813,727, 3-21-89, Cl. 292-347.000.

Mills, S. Dwight. Golf equipment carrier with rotating club receiving frame. 4,852,896, 8-1-89, Cl. 280-47.180.

Mills, Sander G.: See—

Desmond, Richard; Mills, Sander G.; Volante, Ralph P.; and Shinkai, Ichiro, 4,871,873, Cl. 384-278.000.

Mills, Simon F., to European Atomic Energy Community (Euratom). Multiconnector. 4,860,374, 8-29-89, Cl. 439-191.000.

Mills, Stuart D.: See—

Hargreaves, Rodney B.; McLoughlin, Bernard J.; and Mills, Stuart D., 4,873,[illegible], Cl. 514-[illegible].

Mills, Timothy N.; and Swain, Christopher P. Sewing machine. 4,841,888, 6-27-89, Cl. 112-169.000.

Mills, Warren S.: See—

Hamilton, Kris P.; Glover, Brian H.; Halgren, Larry R.; and Mills, Warren S., 4,848,280, Cl. 119-[illegible].

Millspin Limited: See—

Dearnaley, Geoffrey; Hughes, Antony E.; and Rosenbaum, Steven, 4,851,271, Cl. 250-492.300.

Millure, David W.: See—

Buyalos, Edward J.; Millure, David W.; Neal, James G.; and Rowan, Hugh H., 4,867,936, Cl. 264-210.000.

Millward, Barry: See—

[illegible], Michael J.; Millward, Barry; and Robb, Kenneth P., Jr., 4,860,636, Cl. 83-83.000.

Millward, John D.; and Brown, Kevin D., to Rank Cintel Limited. Clamping circuit for an analog to digital converter. 4,811,016, 3-7-89, Cl. 341-126.000.

Milly, Gerard; and Le, Claude D., to Commissariat A L'Energie Atomique. Vehicle for cleaning by liquid spraying and suction. 4,845,801, 7-11-89, Cl. 15-321.000.

Milne, Douglas L., to NCR Corporation. Apparatus for detecting the passage of multiple superposed sheets along a [illegible] path. 4,825,083, 5-2-89, Cl. 364-563.000.

Milne, Edward D.: See—

Burrows, Donald L.; and Milne, Edward D., 4,798,962, Cl. 177-25.000.

Milne, Ian F.: See—

Van Bidderveld, Bernard H.; and Milne, Ian F., 4,856,592, Cl. 166-285.000.

Milne, James A., to CTI International. Support structure for an ornament. 4,837,059, 6-6-89, Cl. [illegible].

Milne, James A.: See—

Davis, John C.; and Milne, James A., 4,862,877, Cl. 446-222.000.

Milne, James W.: See—

Reynolds, William N.; and Milne, James W., 4,826,[illegible], Cl. 174-5.000.

Milne, Marjorie D., to James River Graphics, Inc. Transparent plotter film. 4,849,286, 7-18-89, Cl. 428-336.000.

Milner, Bruce A., to Dixon International Limited. Fire resistant compositions. 4,795,776, 1-3-89, Cl. 524-166.000.

Milner, Clifford E., to Du Pont de Nemours, E. I., and Company. Electron beam recording film. 4,837,135, 6-6-89, Cl. 430-524.000.

Milner, Edward F. G.: See—

Dunlop, John A.; Milner, Edward F. G.; Smyth, Robert W.; and Topp, Gerald W., 4,837,422, Cl. 73-77.000.

Milner, Jeremiah, to M. L. Laboratories PLC. Peritoneal dialysis and compositions for use therein. 4,886,789, 12-12-89, Cl. 514-60.000.

Milner, Leslie M.: See—

Chernega, John G.; Martens, John A.; Lau, Felix B.; and Milner, Leslie M., 4,833,642, Cl. 360-135.000.

Milner, Milton W.: See—

Sanders, Robert E., Jr.; Kaanta, Henry W.; McBride, John K.; Milner, Milton W.; Perino, Terry A.; and Shelby, Samuel C., 4,823,[illegible], Cl. 146-[illegible].

Milner, Peter H., to Beecham Group p.l.c. β-lactam antibacterial agents. [illegible]

Milner, Ronald L., to [illegible]

Milner, Ronald E. Stone positioning device. 4,862,[illegible], Cl. [illegible]

Milnes, Kenneth A.: See—

Howe, Stanley K.; Zavich, Walter H.; Milnes, Kenneth A.; Phillips, Alan C.; White, Marvin S., Jr.; and Loughmiller, George E., Jr., 4,798,191, Cl. 366-[illegible].

Milo, Alfred, to QPC, Inc. High speed quarter-folder. 4,863,152, 9-5-89, Cl. 270-47.000.

Milo, Salvatore A.: See—

Schneider, Marvin; Blanco, Louis A.; and Milo, Salvatore A., 4,800,287, Cl. 219-10.55E.

Milocco, Claudio; Favret, Ugo; and Marregam, Antonio, to Industrie Zanussi S.p.A. Impeller construction for centrifugal pump of two-pump pump unit. 4,799,855, 1-24-89, Cl. 415-143.000.

Milolta Camera Kabushiki Kaisha: *See*—

Kusumoto, Keiji, 4,868,605, Cl. 355-218.000.

Milonas, Argyrios C.: *See*—

Chan, Kenneth K.; Hartmann, Philip W.; Lamons, Scott P.; Lee, Terry G.; and Milonas, Argyrios C., 4,823,338, Cl. 370-85.

Milosevic, Milan; and Harrick, Nicolas J., to Harrick, Nicolas J. Collecting hemispherical attachment for spectrophotometry. 4,853, 8-1-89, Cl. 250-353.000.

Milov, Vladimir N.; Loginov, Anatoly A.; Ostrenko, Nikolai S., deceased; Gorsky, Viktor I.; Demyanovich, Nikolai A.; Davletshin, Rifkhat B.; Klimets, Sergei N.; Dokshin, Gennady P.; Telyan, Jury A.; Yarkin, Vladislav I.; by Ostrenko, Ekaterina A., administrator; by Chevalkova, Inna E., administrator; and by Stebakova, A. E., administrator. Squeeze-out casting machine. 4,817,700, 4-4-89, C 164-259.000.

Milovic, Alex J. Golf club with internal sand rake. 4,854,592, 8-8-8 273-162.00F.

Milowsky, Arnold S.: *See*—

Shepherd, Robin G.; Chai, Sie Yearl; Lichti, Maynard E.; and Milowsky, Arnold S., 4,812,574, Cl. 548-131.000.

Shepherd, Robin G.; Chai, Sie Yearl; Lichti, Maynard E.; and Milowsky, Arnold S., 4,889,936, Cl. 548-133.000.

Milprint Inc.: *See*—

Kappes, Kenneth C., 4,837,[illegible], Cl. 426-107.000.

Kappes, Kenneth C., 4,877,674, Cl. 428-[illegible].

Milroy, James C., to Raychem Corporation. Connector. 4,8[illegible], Cl. 219-541.000.

Milsco Manufacturing Company: *See*—

Hill, Kevin E., 4,836,609, Cl. 297-452.000.

Hill, Kevin E., 4,838,314, Cl. 248-[illegible].

Milson, Bertram J.: *See*—

Fabry, John J.; and Milson, Bertram J., 4,830,381, Cl.

Milsted, Neil F. N.: *See*—

Morgenstern, Sanford J.; Mehta, Bakulesh A.; Krakau, Bruce; Milsted, Neil F. N.; and Klecka, Mark D., 4,80 370-211.000.

Milster, Thomas D.; and Yan, Shingchwang, to International Business Machines Corporation. Detector for magnetooptic recorders. 4,823,220, 4-18-89, Cl. 369-13.000.

Milton, A. David; and Stroebach, Jerry, to Mitel Corporation. [illegible] signal processing system. 4,862,452, 8-29-89, Cl. 370-62.000.

Milton, A. David: *See*—

Marshall, Scott; Tran, Thanh; and Milton, A. David, 4,86 375-118.000.

Milton, David W., to Cimco Corporation. Apparatus for [illegible] 4,873,876, 10-17-89, Cl. [illegible]

Milton, Neil A., to Wiggins Teape Group Limited. The [illegible] 4,863,783, 9-5-89, Cl. 428-207.000.

Milton, R. M.; and Barnes, Daniel C. [illegible] 4,859,067, Cl. 315-344.000.

Milton Roy Company: *See*—

Burns, Richard; Dettendorf, James; King, Edward; and McCormick, Cornelius, 4,873,775, Cl. 356-328.000.

Carver, John E., 4,825,160, Cl. 128-653.000.

Miltz, Arthur E. Method and apparatus for air transfer between divers. 4,838,256, 6-13-89, Cl. 128-202.270.

Milunas, Rimas S., to Saturn Corporation. Failure mode shift operation for an electronically controlled transmission. 6-27-89, Cl. 364-424.100.

Milverton, David R. J.; and Gething, Ian R., to General Electric Company, p.l.c., The. Optically non-linear materials and thin film porating these materials. 4,818,616, 4-4-89, Cl. 428-411.100.

Milyard, Emmert. Woodworking machine. 4,830,069, 144-1.00A.

Milyard, Emmert: *See*—

Shaffer, Don T.; and Milyard, Emmert, 4,798,[illegible], Cl.

Milz, Arthur, to Milz Produkte AG. Method for joining together segments of a snow chain, and connecting element to implement method. 4,860,532, 8-29-89, Cl. 59-35.100.

Milz Produkte AG: *See*—

Milz, Arthur, 4,860,532, Cl. 59-35.100.

MIM Industries, Inc.: *See*—

Foxe, Ricky J., 4,870,917, Cl. 112-[illegible].

Mimasu Oil Chemical Co., Ltd.: *See*—

Shimizu, Kazuo, 4,806,366, Cl. 252-[illegible].

Shimizu, Kazuo, 4,838,988, Cl. 252-[illegible].

Mimlitz, Charles C., to Grumman Aerospace Corporation. [illegible]

Mimoun, Jacques: *See*—

[illegible]

Mimoun, Nancy; and Zinberg, Bernard, to [illegible]. Rotatable organizer with integral [illegible]

Mims, Bruce L. Component assembly system. 4,828,311, Cl. 414-275.000.

Mims, Bruce L., to Contact Systems, Inc. Component assembly 4,846,628, 7-11-89, Cl. 414-273.000.

Mims, Charles R., to Mark Industries, Inc. Gas well flow tion. 4,799,309, Cl. 364-510.000.

Mims, Donald S.; and Hoyt, Donald L., to Texaco Inc. bypassed by a steam override zone. 4,819,725, Cl. 166-271.000.

Mims, Donald S.; Huang, Wann-Sheng; and Haynes, Stewart, to Texaco Inc. Recovering hydrocarbons with a triangular horizontal well pattern. 4,850,429, 7-25-89, Cl. 166-245.000.

Mims, James; Buden, David; and Williams, Kenneth, to United States of America, Energy. Survivable pulse power space radiator. 4,832,113, 5-23-89, Cl. 165-1.000.

Mims, Jimmie E.: *See*—

Brar, Amarjit S.; Mims, Jimmie E.; and Sharma, Jagdish P., 4,837,923, Cl. 29-603.000.

Mims, Ken, to Uddo-Mims International, Inc. Method of removing clogging material from a clogged granular filter medium. 4,818,419, 4-4-89, Cl. 210-796.000.

Mims, Ken, to Uddo Mims International, Inc. Backwash filter. 4,818,420, 4-4-89, Cl. 210-798.000.

Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, to Hitachi, Ltd. Solid state television camera with storage time controller. 4,825,291, 4-25-89, Cl. 358-213.190.

Mimura, Itaru: *See*—

Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, 4,884,129, Cl. 358-44.000.

Mimura, Kazuhiro: *See*—

Kobule, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Junichi, 4,880,880, Cl. 148-[illegible].

Mimura, Munehiko, to Mitsubishi Denki Kabushiki Kaisha. Control device of non-stage transmission. 4,835,[illegible], Cl. 474-28.000.

Mimura, Shigetoshi: *See*—

Fukushima, Shigeyoshi; Uno, Hidehiro; and Mimura, Shigetoshi, 4,798,736, Cl. 425-198.000.

Mimura, Takao: *See*—

Kohda, Koso; Shobuuchi, Hiromi; and Mimura, Takao, 4,867,387, Cl. 400-216.300.

Mimura, Yoshiki: *See*—

Suzuki, Shinji; Arai, Tetsuji; Ohno, Kunihara; Ueki, Kazuyoshi; Mimura, Yoshiki; Tanaka, Katsuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,861,542, Cl. 355-71.000.

Suzuki, Shinji; Ueki, Kazuyoshi; Suzuki, Hiroko; and Mimura, Yoshiki, 4,888,[illegible], Cl. 430-326.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,882,263, Cl. 430-326.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,886,271, Cl. 430-326.000.

Mimura, Yoshinori: *See*—

Shimizu, Osamu; Mimura, Yoshinori; Tokawa, Hidekazu; and Nata, Tomoya, 4,810,094, Cl. 350-96.210.

Mimura, Tomoaki; Ono, Hiroshi; Harada, Masahiro; and Mimura, Takeshi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Rear wheel steering apparatus. [illegible], Cl. 180-140.000.

Min, B. Y.: *See*—

Ho, Chang W.; and Min, B. Y., 4,852,191, Cl. 156-259.000.

Min, Byung-Min: *See*—

Song, Dong-Il; Kim, Chul-Jin; and Min, Byung-Min, 4,881,485, Cl. 158-[illegible].

Min, Dong S., to Samsung Semiconductor & Telecommunication Co., Ltd. CMOS address buffer for semiconductor memory. 4,825,420, 4-25-89, Cl. 365-230.000.

Min-Jian, Liaw. Container for storing and sterilizing a kitchen-use chopping board. 4,877,964, 10-31-89, Cl. 250-455.100.

Min, Sung K.; and Lee, Jae S., to Samsung Semiconductor & Telecommunications Co., Ltd. High voltage and power BiCMOS driving circuit. 4,853,559, 8-1-89, Cl. 307-270.000.

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Min, Sung K.: *See*—

Choi, Suk-Gi; Min, Sung-Ki; and Kahng, Chang-Won, 4,836,783, Cl. 437-57.000.

Min, Taek, to Mobil Oil Corporation. Core/shell polymers and improved sealable articles treated with the same. 4,888,[illegible], 12-19-89, Cl. [illegible].

Min, Young K., to RF Components, Inc. Motor starting circuit. [illegible], Cl. 318-786.000.

Mina, George L.; Ooms, Dirk E.; and Grandina, John S., to Ethyl Corporation. Biphenol process. 4,847,434, 7-11-89, Cl. 568-730.000.

Mina, George L.; and Schell, Raymond A., to Ethyl Corporation. [illegible]

Minagawa, Fumitaka: *See*—

[illegible]; Minagawa, Fumitaka; [illegible] 4,836,677, Cl. 428-[illegible].

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Yoshida, Yoichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Arano, Masahiko; and Inoue, Mizuho, 4,838,792, Cl. 365-200.000.

Yoshida, Yoichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Arano, Masahiko; and Inoue, Mizuho, 4,882,507, Cl. 307-465.000.

Minagawa, Kanji: *See*—

Matsumoto, Toshio; Minagawa, Kanji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kanno, Shigeru; Maeda, Katsuya; and Takao, Shinsuke, 4,838,228, Cl. 123-399.000.

Minagawa, Kenichiro; Furuse, Kazuo; Tsutsumi, Yoshiharu; and Okabe, Masahiro, to Nippon Oil and Fats Co., Ltd. Aqueous lubricant composition. 4,828,735, 5-9-89, Cl. 252-49.300.

Minagawa, Motonobu; Nakahara, Yutaka; Hirai, Bunji; and Sugibuchi, Kazuo, to Adeka Argus Chemical Co., Ltd. Bis-(2,2,6,6-tetramethyl-piperidyl) diimides as light stabilizers for synthetic polymers. 4,798,836, 1-17-89, Cl. 524-89.000.

Minagawa, Motonobu; Nakahara, Yutaka; Shibata, Toshihiro; and Tobita, Etsuo, to Adeka Argus Chemical Co., Ltd. Poly-2,2,6,6-tetramethyl piperidyl amino spiro glycol ether-1,3,5-triazines. 4,885,323, 12-5-89, Cl. 524-95.000.

Minagawa, Motonobu: *See*—

Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.

Minagawa, Nobuhiko: *See*—

Kubodera, Seiiti; and Minagawa, Nobuhiko, 4,886,775, Cl. 503-227.000.

Minagawa, Shigekazu: *See*—

Kondow, Masahiko; Sajoh, Shin; Minagawa, Shigekazu; Ohishi, Akio; and Kajimura, Takashi, 4,841,531, Cl. 372-43.000.

Minagawa, Shikoh: *See*—

Abiko, Kenji; Minagawa, Shikoh; Shinohara, Hiroshi; and Kiseki, Kayoko, 4,846,168, Cl. 128-203.150.

Minagawa, Shoichi: *See*—

Okamoto, Takeshi; Niitsuma, Tetsuo; and Minagawa, Shoichi, 4,881,470, Cl. 104-821.000.

Minagawa, Tadao: *See*—

Yoshioka, Takeo; Minagawa, Tadao; Suzuki, Toshihiro; Yamazaki, Ichiro; and Matsushita, Yoshifumi, 4,838,767, Cl. 361-42.000.

Minagawa, Takehiro; Shin, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kunimobu, to Nihon Plast Co., Ltd., and Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for serrating a steering wheel. 4,872,703, 10-10-89, Cl. 409-244.000.

Minagawa, Takumi: *See*—

Yamagishi, Mashiro; Minagawa, Takumi; and Yoshida, Hiroshi, 4,868,061, Cl. 428-334.000.

Minagawa, Yoshinori, to Terumo Kabushiki Kaisha. Blood bag system. 4,846,795, 7-11-89, Cl. 604-410.000.

Minagawa, Yoshio: *See*—

Nagai, Taiji; Sakazume, R.; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, 4,872,024, Cl. 346-1.100.

Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazuhiro; and Matsumoto, Gunichi, to Mitsubishi Chemical Industries Limited, and Nippon Light Metal Company, Ltd. Method for recovering gallium. 4,865,823, 9-12-89, Cl. 423-112.000.

Minahan, Joseph A., to Spectrolab, Inc. Harmonic plasma switch. 4,829,260, 5-9-89, Cl. 332-7.510.

Minai, Eiji: *See*—

Hasegawa, Satoru; and Minai, Eiji, 4,878,13[illegible], Cl. 360-99.020.

Hasegawa, Satoru; and Minai, Eiji, 4,881,141, Cl. 360-106.000.

Minai, Masayoshi: *See*—

Kondo, Michinobu; Minai, Masayoshi; Aoi, Satoshi; Higashi, Takayuki; and Ueda, Yoji, 4,872,585, Cl. 549-453.000.

Minai, Osamu: *See*—

Kato, Yoji; Minai, Osamu; Tsukamoto, Hiroo; Hagiwara, Takashi; and Kosaka, Katsuo, 4,881,018, Cl. 318-9.000.

Minakami, Hiroshi: *See*—

Endo, Motonori; and Minakami, Hiroshi, 4,880,307, Cl. 356-175.000.

Minakata, Makoto; and Miura, Kazunori, to Sumitomo Special Metals Co., Ltd. Wide-band optical modulator. 4,866,406, 9-12-89, Cl. 350-96.140.

Minakawa, Katsumasa: *See*—

Katsuki, Hikaru; Minakawa, Katsumasa; and Shimizu, Masayuki, 4,841,738, Cl. 62-160.000.

Minakawa, Masaaki, to Honda Giken Kogyo Kabushiki Kaisha. Wheel suspension system for automobiles. 4,798,396, 1-17-89, Cl. 280-673.000.

Minakawa, Masaaki: *See*—

Musumiya, Keita; and Minakawa, Masaaki, 4,819,500, Cl. 74-513.000.

Okamoto, Shinji; Minakawa, Masaaki; Neki, Youichi; and Nakagiri, Masayo, 4,837,502, Cl. 123-60.000.

Minakawa, Sadao: *See*—

Murakoshi, Takeo; Yoshii, Masaki; Tokiyama, Shigeo; Minakawa, Sadao; and Kaneda, Akio, 4,810,068, Cl. 156-33.000.

Murakoshi, Takeo; and Minakawa, Sadao, 4,810,835, Cl. [illegible].

Minakawa, [illegible]: *See*—

[illegible]

Minakuchi, Yuzo: *See*—

Kurosawa, Hideo; and Minakuchi, Yuzo, 4,870,577, Cl. 364-[illegible].

Minakuchi, Akihiro, to Oki Electric Industry Co., Ltd. Character display device. 4,882,578, 11-21-89, Cl. 340-750.000.

Minakuchi, Hiroshi: *See*—

Tadashi, Kunihiro; and Minakuchi, Hiroshi, 4,879,754, Cl. 388-810.000.

Minakuchi, Kimihide: *See*—

Inoue, Yasuaki; Minakuchi, Kimihide; and Tabuchi, Norio, 4,867,868, Cl. 372-50.000.

Minakuchi, Kiyoshi, to Yamaha Corporation. Electronic guitar having an electronic vibrato apparatus. 4,827,826, 5-9-89, Cl. 84-1.160.

Minakuchi, Kiyoshi: *See*—

Suzuki, Yasuo; and Minakuchi, Kiyoshi, 4,829,873, Cl. 84-314.00R.

Minami, Etsuji: *See*—
Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.

Minami, Hiroshi, to Takemoto Yu-shi Kabushiki Kaisha. Sizing agents for carbon fibers. 4,880,881, 11-14-89, Cl. 525-438.000.

Minami, Hiroshi: *See*—
Okazaki, Akira; and Minami, Hiroshi, 4,831,312, Cl. 388-815.000.

Minami, Hisashi; Matsuda, Hideo; Shimazawa, Yoichi; and Hiraoka, Shinitiro, to Sharp Kabushiki Kaisha. Automatic document feeder. 4,843,433, 6-27-89, Cl. 355-49.000.

Minami, Hisashi; Deguchi, Toshihisa; Nomura, Masaru; and Hyuga, Takao, to Sharp Kabushiki Kaisha. Extra magnetic field positioning apparatus. 4,864,125, 9-5-89, Cl. 250-231.08E.

Minami, Kanshiro: *See*—
Kanegae, Yukihiro; Sugiyama, Yoshio; and Minami, Kanshiro, [illegible]

Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, to Sharp Kabushiki Kaisha, and Kabushiki Kaisha Nichibei. Electric blind apparatus. [illegible]

Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, to Nippondenso Co., Ltd. Network system for data communication in a vehicle. [illegible]

Minami, Kazuaki: *See*—
Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, [illegible]

[illegible]

Saito, Nobuo; Kuragano, Tetsuzo; and Minami, Nobuyuki, 4,886,217, Cl. 364-518.000.

Minami, Norio: *See*—
Omura, Hiroshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.

Minami, Satoyuki: *See*—
Itoyama, Kuniyoshi; Horita, Norihiro; Seki, Shigemi; and Minami, Satoyuki, 4,798,875, Cl. 525-444.000.

Minami, Shigenobu, to Kabushiki Kaisha Toshiba. Stereophonic voice signal transmission system. 4,815,132, 3-21-89, Cl. 381-1.000.

Minami, Shigeru: *See*—
Takatani, Ichiro; Nakatani, Nobuyuki; and Minami, Shigeru, 4,869,029, Cl. 53-52.000.

Minami, Shinichi: *See*—
Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, 4,851,364, Cl. 437-42.000.

Minami, Syuji; Kawamoto, Keiji; Kasai, Tetsuji; Kuroiwa, Toshiaki; and Todo, Akira. Cycloolefin type random copolymer compositions and uses thereof. 4,874,808, 10-17-89, Cl. 524-291.000.

Minami, Takashi: *See*—
Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; [illegible] yama, Etsuo; and Yamada, Yutaka, [illegible]

Minami, Takehiro, to Mita Industrial Co., Ltd. Document scanning optical device. [illegible], 2-28-89, Cl. 355-67.000.

Minami, Tomiji. Studded tire apparatus. [illegible], 11-28-89, Cl. 152-210.000.

Minami, Toshiaki: *See*—
Saiake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, [illegible]
Saiake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, [illegible]
Saiake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, [illegible]
Saiake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, [illegible]
Saiake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, [illegible]

Minami, Tsutomu; Tohge, Noboru; Katayama, Shinya; and [illegible]

[illegible]

Minan, Katsunobu: *See*—
Naruse, Nobutaka; and Minan, Katsunobu, [illegible], Cl. 62-552.000.

Minarik, Daniel: *See*—
Spang, Kim J.; Minarik, Daniel; and MacPherson, William E., 4,829,283, Cl. 340-506.000.

Minarovic, Joe T.: *See*—
Cosman, Armond D.; and Minarovic, Joe T., [illegible], Cl. 324-326.000.

Minaskanian, Gevork; and Peck, James V., to Nelson Research & Development Co. Penetration enhancers for transdermal delivery of systemic agents. 4,801,586, 1-31-89, Cl. 514-212.000.

Minaskanian, Gevork; and Rajadhyaksha, Vithal J., to Nelson Research & Development Co. 1,4-dihydropyridines. 4,833,150, 5-23-89, Cl. 514-314.000.

Minaskanian, Gevork, to Nelson Research & Development Co. 1,4-dihydropyridines. 4,849,436, 7-18-89, Cl. 514-356.000.

Minaskanian, Gevork; and Peck, James V., to Nelson Research & Development Co. Lactam formation by a selective cyclization process. 4,870,173, 9-26-89, Cl. 540-538.000.

Minaskanian, Gevork; and Peck, James V., to Nelson Research & Development Co. Penetration enhancers for transdermal delivery of systemic agent. 4,879,275, 11-7-89, Cl. 514-24.000.

Minaskanian, Gevork; and Peck, James V., to Nelson Research & Development Co. Penetration enhancers for transdermal delivery of systemic agents. 4,886,783, 12-12-89, Cl. 514-29.000.

Minaskanian, Gevork: *See*—
Peck, James V.; and Minaskanian, Gevork, [illegible]
Peck, James V.; and Minaskanian, Gevork, [illegible]
Peck, James V.; and Minaskanian, Gevork, [illegible]

[illegible]

Gottschlich, Rudolf; Bottcher, Henning; Hausberg, Hans-Heinrich; Minck, Klaus-Otto; and Seyfried, Christoph, 4,870,087, Cl. 514-336.000.

Raddatz, Peter; Gante, Joachim; Schmitges, Claus J.; Minck, Klaus Otto; Sombroek, Johannes; and Holzemann, Gunter, 4,829,053, Cl. 514-18.000.

Mind Over Matter Games, Inc.: *See*—
Volpert, Thomas R., 4,838,551, Cl. 273-157.00R.

Mindel, Gerard S. Load and dispersion cell for sound. 4,870,691, 9-26-89, Cl. 381-159.000.

Minden, Andrew C.: *See*—
Kendall, Robert M.; Kennedy, Jeffrey M.; Minden, Andrew C.; and Tidball, Richard R., [illegible]

Minden, Percy: *See*—
Shinnick, Thomas M.; Minden, Percy; and Houghten, Richard A., [illegible]

Minderhoud, Johannes K.: *See*—
Maxwell, Ian E.; and Minderhoud, Johannes K., 4,886,934, Cl. [illegible]

Mindich, Alex. High speed tubular belt conveyor and system and method for making. [illegible]

Mine, Kazuhiro; Sanada, Kei; and Ide, Mitsunoru, to NEC Corporation. Laminated mechanical amplification mechanism for piezoelectric elements. [illegible]

Mine, Kazunori; Murakami, Kosuke; Tagi, Mamoru; and Urata, Hiromasa, to Tokyo Electric Co., Ltd. Optical reader with shading correcting means. [illegible]

Mine, Kazunori; Murakami, Kosuke; and Urata, Hiromasa, to Tokyo Electric Co., Ltd. Image reading device. [illegible], 11-21-89, Cl. [illegible]

[illegible]

Kita, Yasunori; and Minefuji, Nobutaka, [illegible], Cl. 350-425.000.
Suzuki, Minoru; and Minefuji, Nobutaka, [illegible], Cl. 355-32.000.

Minegishi, Harumasa: *See*—
Ise, Kiyotaka; Minegishi, Harumasa; and Harada, Hiroshi, [illegible]

Minegishi, Kiyoji; and Ishida, Toshihiro, to Sumitomo Heavy Industries, Ltd. Speed reducing or increasing planetary gear apparatus. 4,843,911, 7-4-89, Cl. 74-801.000.

Minegishi, Masayoshi: *See*—
Shimizu, Motoharu; Minegishi, Masayoshi; Yamada, Nobuyuki; and Kobayashi, Kohju, [illegible], Cl. 428-692.000.

Minekane, Tomiharu, to Kabushiki Kaisha Toshiba. Photometric apparatus in automatic chemical analyzer. 4,798,703, 1-17-89, Cl. 422-65.000.

Minekane, Tomiharu, to Kabushiki Kaisha Toshiba. Automatic chemical analyzing apparatus. [illegible], 2-28-89, Cl. 422-64.000.

Minekane, Tomiharu, to Kabushiki Kaisha Toshiba. Multiunit tube and a spectrophotometer. 4,812,657, 3-14-89, Cl. 250-372.000.
Minelab Electronic Industries Ltd.: *See—*
  Candy, Bruce H., 4,890,064, Cl. 324-329.000.
Minema, Ikumi; and Hieda, Yoshiro, to Victor Company of Japan, Ltd. Automatic white balance circuit for color TV cameras having means for interrupting whitening operation upon viewing mono-colored non-white object fields. 4,819,060, 4-4-89, Cl. 358-29.000.
Minematsu, Nobuo; Karahashi, Masao; Ota, Munekatsu; Matsumae, Koyo; and Takada, Hashime, to Oki Electric Industry Co., Ltd. System for transactions between financial institutions and customers. 4,833,312, 5-23-89, Cl. 235-379.000.
Minematsu, Nobuo; and Koshida, Yoshinori. Electronic bankbook and transaction system for use therewith. 4,864,109, 9-5-89, Cl. 235-379.000.
Minematsu, Toshikazu: *See—*
  Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,84[illegible],340, Cl. 239-9.000.
Minematu, Yoiti; Tajima, Toshio; and Nakajima, Shigeharu, to Yoiti, Minematu; Sankyo Denki Co., Ltd.; and Nichia Kagaku Kogyo K.K. Ultraviolet fluorescent lamp for accelerated exposure test on polymer. 4,859,903, 8-22-89, Cl. 313-487.000.
Minemura, Hiroyuki: *See—*
  Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.
Minenko, Leonid P.; Osher, Mikhail I.; Belikov, Evgeny V.; and Klyatis, Lev M. Device for gripping necks of packed sacks. 4,852,927, 8-1-89, Cl. 294-86.400.
Mineo, Beth A.: *See—*
  Companion, John A.; Heyman, Joseph S.; Mineo, Beth A.; Cavalier, Albert R.; and Blalock, Travis N., 4,852,578, Cl. 128-661.030.
Mineo, Nunzio: *See—*
  Julemont, Michel; Zocchi, Germaine; Mineo, Nunzio; and Fonsny, Pierre, 4,846,992, Cl. 252-90.000.
Miner, Frank H., Jr.; and Siffer, Arthur M., to Union Carbide Corporation. Combination left and right handed furnace roof. 4,849,987, 7-18-89, Cl. 373-74.000.
Miner, Jay G.; Dean, Dave; Decuir, Joseph C.; Nicholson, Ronald H.; and Tanaka, Akio, to Commodore-Amiga, Inc. Personal computer apparatus for block transfer of bit-mapped image data. 4,874,164, 10-17-89, Cl. 273-1.00E.
Miner, Jay G.: *See—*
  Keller, Glenn; and Miner, Jay G., 4,829,473, Cl. 364-900.000.
Miner, Johathan L., to Black & Decker Inc. Portable blower/vacuum system. 4,870,714, 10-3-89, Cl. 15-327.00C.
Miner, Jonathan L.; Lacher, Vernon R.; Rescigno, Gerald J.; Swim, William B.; Gierke, Martin P.; and Hahn, David A., to Black & Decker, Inc. Portable blower. 4,884,314, 12-5-89, Cl. 15-344.000.
Miner, Lynn M.: *See—*
  Voss, Donald E.; Miner, Lynn M.; and Busby, Kenneth O., 4,825,149, Cl. 324-72.000.
Miner, Marlin E.: *See—*
  Anderson, Nathaniel C.; Miner, Marlin E.; Romankiw, Lubomyr T.; and Starcke, Steven F., 4,842,886, Cl. 427-10.000.
Miner, Robert A. Practice putting cup. 4,861,033, 8-29-89, Cl. 273-177.00R.
Miner, William S., to Sterling Drug Inc. Method of regulating fertility in cattle using epostane. 4,833,133, 5-23-89, Cl. 514-172.000.
Mineral Control Instrumentation Ltd.: *See—*
  Howarth, Walter J.; and Jarvis, Laurance, 4,845,421, Cl. 324-61.00R.
Mineral Deposits Limited: *See—*
  Giffard, Philip J., 4,795,553, Cl. 209-459.000.
  Grobler, Hans J., 4,836,926, Cl. 210-512.100.
Mineral Recovery Corporation: *See—*
  Haight, William J., 4,875,999, Cl. 209-245.000.
Mineral Research and Development Corp.: *See—*
  Lewchalermwong, C. Charles, 4,808,393, Cl. 423-395.000.
Mineshige, Takahiko: *See—*
  Kawamura, Hideaki; Matsumura, Teruyuki; and Mineshige, Takahiko, 4,855,898, Cl. 364-1[illegible]1.000.
Minet, Ronald G.; and Che, Stanley C., to Gas Research Institute. Production of commodity chemicals from natural gas by methane chlorination. 4,804,797, 2-14-89, Cl. 585-500.000.
Mineura, Yoshihisa: *See—*
  Sakashita, Hitoshi; Mineura, Yoshihisa; and Sato, Toshihiko, 4,841,652, Cl. 40-299.000.
Mineyama, Katsumi, to Aisan Kogyo Kabushiki Kaisha. Stator in step motor. 4,825,112, 4-25-89, Cl. 310-71.000.
Minezaki, Matsue: *See—*
  Kondo, Takeshi; Negishi, Junji; Goto, Yoshihiko; Minezaki, Matsue; and Kawai, Toshikazu, 4,849,557, Cl. 570-177.000.
Minezawa, Morio: *See—*
  Hiraku, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, 4,860,715, Cl. 123-519.000.
  Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouichi; and Minezawa, Morio, 4,809,865, Cl. 220-86.00R.
Minford, Eric: *See—*
  McFarlin, David J.; Caruolo, Antonio B.; Minford, Eric; and Prewo, Karl M., 4,870,827, Cl. 62-6.000.
  Prewo, Karl M.; and Minford, Eric, 4,857,093, Cl. 65-36.000.
Ming, Alex L. K., to Unimax Distribution Limited. Wheel for a toy vehicle and a toy vehicle having such a wheel. 4,840,599, 6-20-89, Cl. 446-465.000.
Ming-Chin, Hu. Development drafter. 4,807,369, 2-28-89, Cl. 33-175.000.
Ming, Loo; and Milenkovic, Veljko, to Ford Motor Company. Automated curvilinear path interpolation for industrial robots. 4,821,20 4-11-89, Cl. 364-513.000.
Ming, Rickey H.: *See—*
  Kompanek, Harry W.; and Ming, Rickey H., 4,878,057, Cl. 341-34.000.
Ming Tay Hardware Ind. Co., Ltd.: *See—*
  Kuo, Wen T., 4,858,455, Cl. 70-491.000.
Mingolla, Ennio: *See—*
  Grossberg, Stephen; and Mingolla, Ennio, 4,803,736, Cl. 382-22.000.
Minhas, Bhupender S., to W. R. grace & Co.-Conn. Coupling flu separation membrane elements. 4,874,405, 10-17-89, Cl. 55-158.00
Miniaci, Francesco: *See—*
  Vriesema, Bindert K.; and Miniaci, Francesco, 4,876,327, Cl. 528-173.000.
Minicam Research Corporation: *See—*
  Ohosuga, Ichirho, 4,839,786, Cl. 363-52.000.
Minichello, Joseph R. Cleaning apparatus for bar screen. 4,851,114 7-25-89, Cl. 210-143.000.
Minigrip, Inc.: *See—*
  Ausnit, Steven; and Bentsen, Per, 4,807,300, Cl. 383-65.000.
  Ausnit, Steven; and Nocek, Robert S., 4,812,074, Cl. 493-213.00
  Ausnit, Steven; and Bentsen, Per, 4,832,505, Cl. 383-5.000.
  Ausnit, Steven, 4,848,928, Cl. 383-5.000.
  Ausnit, Steven, 4,850,178, Cl. 53-570.000.
  Ausnit, Steven, 4,876,842, Cl. 53-410.000.
  Ausnit, Steven, 4,878,763, Cl. 383-65.000.
  Bentsen, Per, 4,798,041, Cl. 53-468.000.
  Boeckmann, Hugo, 4,844,759, Cl. 156-66.000.
  Boeckmann, Hugo; and Van Erden, Donald L., 4,846,585, Cl. 383-5.000.
  Gould, Russell J., 4,835,835, Cl. 29-527.200.
  Lems, Peter; Ausnit, Steven; Nocek, Robert S.; and Scanlon, Thomas, 4,848,064, Cl. 53-459.000.
  Nocek, Robert S.; Bentsen, Per; and Zivkovic, Herbert H. 4,805,800, Cl. 221-63.000.
  Nocek, Robert S.; and Ausnit, Steven, 4,859,083, Cl. 383-37.00
  Ragni, Richard K., 4,841,603, Cl. 24-576.000.
  Siegel, Karl-Heinz, 4,858,286, Cl. 24-587.000.
  Takahashi, Katsuhito, 4,832,768, Cl. 156-66.000.
  Tilman, Paul A.; Machacek, Zdenek; and Scott, Richmond 4,822,539, Cl. 264-40.400.
  Tilman, Paul A., 4,824,497, Cl. 156-66.000.
  Van Erden, Donald L., 4,808,099, Cl. 425-72.100.
  Van Erden, Donald L., 4,817,188, Cl. 383-63.000.
  Van Erden, Donald L.; and Ausnit, Steven, 4,840,611, Cl. 493-213.000.
  Van Erden, Donald L., 4,842,907, Cl. 428-35.500.
  Ven Erden, Donald L., 4,878,987, Cl. 156-519.000.
Minikus, James C.; and Cawthorne, Chris E., to Smith International Inc. Inclined chisel inserts for rock bits. 4,832,139, 5-23-89, Cl. 175-374.000.
Minimed Technologies: *See—*
  Garrison, Michi E., 4,856,340, Cl. 73-715.000.
Minimo, Ruben M. Foldable weather canopy for motor vehicles 4,889,171, 12-26-89, Cl. 150-166.000.
Mining Supplies (Longwall) Limited: *See—*
  Waddington, Brian; and Hibbert, Clive O., 4,813,748, Cl. 299-43.000.
Mininni, Robert M.; and Arons, Richard M., to Hoechst Celanese Corp. Sheath core spun organosilicon preceramic fibers and processes for production. 4,863,799, 9-5-89, Cl. 428-373.000.
Minion, Richard L.: *See—*
  Heyer, Klaus W.; Minion, Richard L.; and Pavlica, Aleksandar 4,834,346, Cl. 266-143.000.
Minireef B.V.: *See—*
  de Haan, Lammert; and Blok, Johan, 4,844,013, Cl. 119-5.000.
Minisci, Francesco: *See—*
  Maggioni, Paolo; Minisci, Francesco; and Correale, Mariano 4,816,592, Cl. 549-462.000.
MiniScribe Corporation: *See—*
  Bucska, Nicholas J.; and Norton, David E., Jr., 4,868,470, Cl. 318-561.000.
  Sarraf, Raymond E.; and Zaharris, Daniel R., 4,878,136, Cl. 360-78.040.
  Sorensen, Scott; and Robidart, Michael S., 4,807,054, Cl. 360-104.000.
  Wong, Walter; Embery, John M.; and Morris, Richard W. 4,870,525, Cl. 360-137.000.
Minister of Energy, Mines and Resources Canada: *See—*
  Mikhlin, Josef A., deceased; Ikura, Michio; Kelly, James F.; and Capes, C. Edward, 4,889,538, Cl. 44-90.000.
Minister of National Defence of Her Majesty's Canadian Government *See—*
  McMahon, Garfield W., 4,858,206, Cl. 367-163.000.
Ministere de l'Agriculture Direction de la Qualite Services Veterinaires Laboratoire National de Pathologie Aviaire: *See—*
  Patrick, Giraud; Georges, Benne Jean; Michele, Guittet; and Didier, Toquin, 4,810,493, Cl. 424-89.000.
Ministry of International Trade: *See—*
  Haruta, Masatake; and Kobayashi, Tetsuhiko, ,839,327, Cl. 502-243.000.

Ministry of International Trade & Industry: *See—*
  Furutani, Yoshio; Tomioka, Noboru; Honjo, Masaru; Manabe, Kazuaki; and Shimada, Hiroaki, 4,824,782, Cl. 435-172.300.
  Hayashi, Yutaka; Matsumoto, Kazuhiko; and Hashizume, Nobuo, 4,811,070, Cl. 357-34.000.
  Hayashi, Yutaka; Ishihara, Seiichi; and Hiraishi, Hisato, 4,818,867, Cl. 250-229.000.
  Hirotsu, Toshihiro; and Nakajima, Shigeru, 4,820,418, Cl. 210-640.000.
  Imada, Yukio; Yoshikawa, Nobuji; Mizuno, Sumiko; and Mikawa, Takashi, 4,871,667, Cl. 435-142.000.
  Ito, Shoji; Mizoguchi, Kensaku; and Suda, Yoshio, 4,822,848, Cl. 524-549.000.
  Kajita, Syuji, 4,834,200, Cl. 180-8.100.
  Katsura, Tatsuo; Maeda, Hideatsu; Sakai, Tsukasa; and Tsuda, Keishiro, 4,804,834, Cl. 250-211.00R.
  Kawase, Kaoru; Sakami, Hiroshi; and Iida, Shozo, 4,839,318, Cl. 502-62.000.
  Matsuda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and Nakayama, Kazuo, 4,814,404, Cl. 526-285.000.
  Matsui, Haruo; Nakagawa, Ippei; and Kato, Kiyotaka, 4,873,073, Cl. 423-617.000.
  Ohuchi, Kiyoyuki; and Shimizu, Ken'ichi, 4,838,329, Cl. 152-210.000.
  Ooka, Akihiro; Okamoto, Kenji; and Yamada, Koji, 4,794,655, Cl. 5-81.00R.
  Sato, Keizo, 4,827,760, Cl. 73-28.000.
  Seta, Katuo, 4,847,512, Cl. 250-575.000.
  Takasaki, Yoshiyuki, 4,855,232, Cl. 435-97.000.
  Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, 4,877,852, Cl. 526-256.000.
  Taoda, Hiroshi; Hayakawa, Kiyoshi; Tazawa, Masato; and Yamakita, Hiromi, 4,869,795, Cl. 204-157.150.
  Tenjinbayashi, Koji, 4,871,255, Cl. 356-354.000.
  Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, 4,836,417, Cl. 222-63.000.
  Ueda, Minoru; Watanabe, Akio; and Shimamune, Takayuki, 4,822,459, Cl. 204-38.100.
  Yabe, Akira; and Taketani, Takao, 4,818,184, Cl. 417-48.000.
  Yamaba, Kazuo, 4,834,541, Cl. 356-406.000.
  Yamamoto, Tetsuo; Hayashi, Hiroshi; Muta, Tenshiro; Hori, Yoshisada; and Kubo, Katsushi, 4,842,957, Cl. 428-622.000.
  Yamanaka, Kazushi, 4,825,423, Cl. 367-99.000.
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  Alexson, Charles E., 4,872,452, Cl. 128-92.0VJ.
  Alm, Roger R.; Dunsmore, Irvin F.; and Stern, Richard M., 4,795,764, Cl. 521-107.000.
  Appeldorn, Roger H.; and Vanderwerf, Dennis F., 4,800,868, Cl. 126-438.000.
  Appeldorn, Roger H., 4,848,319, Cl. 126-440.000.
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  Arens, Robert P., 4,877,253, Cl. 273-240.000.
  Babirad, Stefan A.; Bacon, Fredrick; Heilmann, Steven M.; Krepski, Larry R.; Kuczma, Andrew S.; and Rasmussen, Gerald K., 4,852,969, Cl. 350-96.340.
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  Barrows, Thomas H., 4,883,618, Cl. 264-49.000.
  Behymer, D. James, 4,819,309, Cl. 24-576.000.
  Bellanger, Michael P., 4,887,339, Cl. 24-575.000.
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  Bernardin, Rodney A.; Hanken, Laurel A.; Insley, Thomas I.; and Murray, Alice C., 4,884,684, Cl. 206-204.000.
  Bescup, Terrance L.; Fellows, Benjamin T.; and Leedecke, Charles J., 4,837,069, Cl. 428-148.000.
  Besio, Mauro; Vacca, Alberto; and Vallarino, Angelo, 4,849,326, Cl. 430-512.000.
  Bhateja, Sudershan K.; and Pae, Kook D., 4,808,352, Cl. 264-22.000.
  Bhateja, Sudershan K.; Young, Chung I.; and Quan, Nancy N., 4,833,056, Cl. 430-106.600.
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  Brown, Dwight E.; Laughery, Mark S.; and Lang, Thomas A., 4,845,663, Cl. 364-900.000.
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  Buckanin, Richard S., 4,871,845, Cl. 544-87.000.
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  Byram, David C.; Teiken, Gerald W.; and Whaley, Ralph D., 4,834,083,-Cl. 128-200.230.
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  Carey, Patrick H., Jr.; and Kronzer, Joseph P., 4,837,067, Cl. 428-108.000.
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  Carolla, Donald J., 4,820,620, Cl. 430-84.000.
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Chambers, David C., 4,881,061, Cl. 340-568.000.
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Charbonneau, Jack W., 4,889,755, Cl. 428-42.000.
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Church, Russell W.; and Heltemes, Eugene C., 4,884,063, Cl. 340-572.000.
Cloud, Randy G.; and Pretchel, David A., 4,869,684, Cl. 439-402.000.
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Flynn, Richard M.; and Savu, Patricia M., 4,889,656, Cl. 252-356.000.
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Gobets, Roy A.; and Tengler, John N., 4,871,318, Cl. 439-76.000.
Goralski, Edwin A.; and Roeker, David C., 4,844,967, C 428-137.000.
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Grieve, Duncan M. A.; Poon, Stephen S. C.; Thien, Tra Sakizadeh, Kumars; and Weigel, David C., 4,883,747, C 430-542.000.
Grimmer, Derrick P.; Paulson, Kenneth R.; and Gilbert, James 4,873,201, Cl. 437-51.000.
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Hagen, Donald F.; St. Mary, Steven J.; Errede, Louis A.; and Ca Peter W., 4,810,381, Cl. 210-502.100.
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Hart, Duane H., 4,868,229, Cl. 523-400.000.
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Haynes, Douglas G., Jr., 4,800,685, Cl. 51-281.00R.
Haynes, Douglas G., Jr., 4,883,501, Cl. 51-309.000.
Heilmann, Steven M.; Rasmussen, Jerald K.; Krepski, Larry R Milbrath, Dean S.; and Coleman, Patrick L., 4,871,824, C 526-304.000.
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Heller, Michael B.; Sachi, Leonard W.; and Walbridge, David 4,885,225, Cl. 430-160.000.
Heltemes, Eugene C., 4,857,891, Cl. 340-551.000.
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Herron, Robert C., 4,822,304, Cl. 439-610.000.
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Holcomb, Bruce A.; McCracken, Shaun D.; and McGinnis, Brya J., 4,838,708, Cl. 383-5.000.
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Hulme-Lowe, Alan G.; Bell, Vivien L.; and Ferguson, Ian 4,861,697, Cl. 430-270.000.
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Insley, Thomas I., 4,813,948, Cl. 604-366.000.
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Johnson, Todd W., 4,863,602, Cl. 210-484.000.
Johnson, Todd W.; and Brizuela, Corazon C., 4,877,526, C 210-448.000.
Jongewaard, Susan K.; and Sills, Julia A., 4,847,238, C 503-227.000.
Jongewaard, Susan K.; and Sills, Julia A., 4,853,365, C 503-227.000.
Jongewaard, Susan K.; Smith, Terrance P.; and Zaklika, Krzysztof A., 4,857,503, Cl. 503-227.000.
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Kinosky, David S., 4,873,139, Cl. 428-341.000.
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Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; and Finn, Peter J., 4,824,770, Cl. 430-363.000.
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Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.
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Lucast, Donald H.; Battles, Donald R.; and Kantner, Steven S., 4,871,812, Cl. 525-186.000.
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Lunde, George G., 4,878,090, Cl. 355-256.000.
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Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, 4,871,632, Cl. 430-58.000.
Imaizumi, Masaru; and Hayama, Hiroyoshi, 4,862,226, Cl. 355-298.000.
Imaseki, Chiharu, 4,848,941, Cl. 400-120.000.
Imura, Kenji, 4,801,212, Cl. 374-130.000.
Imura, Kenji, 4,814,602, Cl. 250-226.000.
Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, 4,812,873, Cl. 355-3.0FU.
Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,829,170, Cl. 250-201.000.
Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
Ishida, Tokuji; Ootsuka, Hiroshi; and Mukai, Hiromu, 4,843,417, Cl. 354-408.000.
Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, 4,862,204, Cl. 354-408.000.
Ishida, Tokuji; and Norita, Toshio, 4,862,273, Cl. 358-213.190.
Ishida, Tokuji; Kozakai, Katsumi; and Hamada, Masataka, 4,864,117, Cl. 250-201.000.
Ishiguro, Kuniaki; and Ishikawa, Takuma, 4,801,133, Cl. 270-53.000.
Ishiguro, Kuniaki; and Ishikawa, Takuma, 4,864,350, Cl. 355-311.000.
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
Ishikawa, Norio; and Ishimura, Toshihiko, 4,887,105, Cl. 354-21.000.
Ishikawa, Takuma; and Ishiguro, Kuniaki, 4,811,048, Cl. 355-14.0SH.
Ishikawa, Takuma; Maruyama, Tadashi; Johdai, Akiyoshi; Ishiguro, Kuniaki; and Matsui, Toshio, 4,872,662, Cl. 271-290.000.
Ishikawa, Takuma; and Ishiguro, Kuniaki, 4,886,259, Cl. 270-53.000.
Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,811,043, Cl. 354-412.000.
Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,855,778, Cl. 354-412.000.
Ishimura, Toshihiko; Tsuji, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,887,119, Cl. 354-413.000.
Ito, Hideo, 4,819,029, Cl. 355-7.000.
Ito, Kouji; and Hashimoto, Kaoru, 4,831,418, Cl. 355-69.000.
Ito, Kouji, 4,864,349, Cl. 355-253.000.
Ito, Masaaki; Ueda, Nobuo; and Fujita, Masafumi, 4,825,243, Cl. 355-41.000.
Ito, Masazumi, 4,796,056, Cl. 355-14.0SH.
Ito, Masazumi, 4,809,050, Cl. 355-14.0SH.
Ito, Masazumi; and Higashio, Kimihiko, 4,811,053, Cl. 355-14.0CU.
Ito, Masazumi; Nishimori, Kadotaro; and Higashio, Kimihiko, 4,814,824, Cl. 355-14.00R.
Ito, Masazumi, 4,816,867, Cl. 355-14.0SH.
Ito, Masazumi, 4,845,525, Cl. 355-218.000.
Ito, Masazumi, 4,845,526, Cl. 355-218.000.
Ito, Masazumi; and Shibazaki, Kenji, 4,847,756, Cl. 364-200.000.
Ito, Masazumi; and Higashio, Kimihiko, 4,849,789, Cl. 355-243.000.
Ito, Masazumi, 4,849,790, Cl. 355-321.000.
Ito, Masazumi, 4,851,883, Cl. 355-55.000.
Ito, Masazumi; Nishimori, Kadotaro; and Oyabu, Masaaki, 4,860,052, Cl. 355-209.000.
Ito, Masazumi, 4,862,220, Cl. 355-311.000.
Ito, Masazumi, 4,864,365, Cl. 355-207.000.
Ito, Masazumi; Murata, Tomoji; and Shibazaki, Kenji, 4,868,610, Cl. 355-243.000.
Ito, Masazumi; Kusumoto, Keiji; Takano, Yoshiaki; and Noda, Takashi, 4,870,459, Cl. 355-209.000.
Ito, Masazumi, 4,873,431, Cl. 250-227.000.
Izuhara, Koichi; Caruso, Jeffrey L.; and Johnson, Theodore C., 4,841,472, Cl. 364-900.000.
Izumi, Shuji; Nakai, Masaaki; Fujino, Akihiko; Yamaki, Toshio; Mukai, Hiromu; and Taniguchi, Nobuyuki, 4,796,043, Cl. 354-402.000.
Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, 4,847,651, Cl. 354-471.000.
Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.
Johdai, Akiyoshi; Kinoshita, Keichi; and Matsui, Toshio, 4,852,867, Cl. 270-53.000.
Kadono, Takashi, 4,881,206, Cl. 365-227.000.
Kageyama, Hitoshi, 4,865,405, Cl. 350-1.600.
Kageyama, Hitoshi; Suzuki, Toshikazu; Sakamoto, Keijiro; Kyogoku, Tetsuo; and Nino, Masayuki, 4,880,292, Cl. 350-128.000.
Kamitamari, Manabu; and Hayama, Hiroyoshi, 4,839,697, Cl. 355-309.000.
Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, 4,806,961, Cl. 354-195.100.
Kanai, Nobuo, 4,846,570, Cl. 353-98.000.
Kanai, Nobuo, 4,851,975, Cl. 362-217.000.
Kanai, Nobuo, 4,863,263, Cl. 353-101.000.
Kanbayashi, Hideyuki, 4,796,065, Cl. 355-14.00E.
Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, 4,808,808, Cl. 250-201.000.
Karasaki, Toshihiko, 4,845,353, Cl. 250-201.000.
Karasaki, Toshihiko; and Sugitani, Kazumi, 4,857,718, Cl. 250-201.000.
Karasaki, Toshihiko, 4,857,720, Cl. 250-201.000.
Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, 4,806,976, Cl. 355-7.000.
Kato, Akio; Hamano, Hiroaki; and Ito, Hideo, 4,882,604, Cl. 355-201.000.
Kato, Osami; and Saito, Takanori, 4,826,102, Cl. 242-192.000.
Katoh, Osami; and Kusano, Hideaki, 4,846,569, Cl. 353-97.000.
Kawaguchi, Toshikazu, 4,839,693, Cl. 355-234.000.
Kawamura, Kunio; Taniguchi, Toshihiko; Oya, Tetsuro; Niwa, Masatake; Nakai, Masaaki; and Fujino, Akihiko, 4,853,726, Cl. 354-289.100.

Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,878,751, Cl. 354-410.000.
Kinoshita, Naoyoshi; Higashi, Toshikazu; Matsuuchi, Yasuyuki; Hatta, Yoshihiko; and Ito, Masazumi, 4,866,474, Cl. 355-218.000.
Kishi, Masamichi; and Sugawa, Hiroya, 4,807,041, Cl. 358-256.000.
Kitajima, Yamato; and Hayashi, Yuji, 4,884,100, Cl. 355-68.000.
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,854,678, Cl. 350-356.000.
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,887,104, Cl. 350-355.000.
Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,855, Cl. 354-415.000.
Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,884,094, Cl. 354-412.000.
Kobayashi, Haruo; Yoshizaki, Akira; Hoda, Takeo; and Kashima, Masataka, 4,853,721, Cl. 354-21.000.
Kohri, Toshitaro; and Machida, Junji, 4,868,082, Cl. 430-106.600.
Kudo, Yoshinobu; and Fukushima, Akira, 4,810,074, Cl. 350-432.000.
Kudo, Yoshinobu, 4,830,473, Cl. 350-422.000.
Kudo, Yoshinobu; and Yoshida, Kiyohiro, 4,886,342, Cl. 350-252.000.
Kumon, Toshihiko; and Nishioka, Nobuaki, 4,890,212, Cl. 363-49.000.
Kurita, Kikuo, 4,864,518, Cl. 364-521.000.
Kusuda, Yasuhiro; and Tottori, Takafumi, 4,884,096, Cl. 355-233.000.
Kusumoto, Keiji; and Takano, Yoshiaki, 4,801,972, Cl. 355-14.00D.
Kusumoto, Keiji, 4,857,957, Cl. 355-314.000.
Kusumoto, Keiji; and Nagata, Kenzo, 4,881,104, Cl. 355-309.000.
Kusumoto, Keizi, 4,821,069, Cl. 355-14.0FU.
Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohri, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.
Maeda, Yutaka; and Makiyama, Hiroyuki, 4,854,519, Cl. 242-71.100.
Maeda, Yutaka, 4,855,759, Cl. 346-108.000.
Maekawa, Yukio; Metabi, Tsuneyo; and Niwa, Masatake, 4,864,341, Cl. 354-286.000.
Mansur, Robert P.; and Piracha, Imtiaz I., 4,845,437, Cl. 328-15.000.
Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,831,414, Cl. 355-219.000.
Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,845,527, Cl. 355-210.000.
Maruta, Syuzi; and Ito, Masazumi, 4,870,526, Cl. 361-1.000.
Maruta, Syuzi; and Ito, Masazumi, 4,879,575, Cl. 355-208.000.
Maruta, Syuzi; and Ito, Masazumi, 4,885,609, Cl. 355-202.000.
Masaki, Kenji; Osawa, Izumi; Fujiwara, Masanori; Doi, Isao; and Takedomi, Yumiko, 4,886,724, Cl. 430-66.000.
Masumoto, Hisayuki; and Fukushima, Akira, 4,871,239, Cl. 350-427.000.
Matsubara, Ken; Iino, Shuji; and Kitano, Hirohisa, 4,804,833, Cl. 250-211.00J.
Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,800,409, Cl. 354-402.000.
Matsui, Tohru; and Egawa, Takeshi, 4,803,508, Cl. 354-403.000.
Matsui, Tohru; and Egawa, Takeshi, 4,827,301, Cl. 354-403.000.
Matsui, Toru; and Karasaki, Toshihiko, 4,818,865, Cl. 250-201.000.
Matsui, Toru, 4,835,561, Cl. 354-403.000.
Matsui, Toru; and Kimura, Kazuo, 4,843,227, Cl. 250-201.000.
Matsui, Toru; and Ueda, Hiroshi, 4,843,415, Cl. 354-403.000.
Matsushiro, Moriyoshi; and Urano, Etsuaki, 4,819,020, Cl. 355-3.0FU.
Matsushita, Kouji; Nakagami, Hidekazu; Nishioka, Nobuaki; and Makio, Tatsumi, 4,811,045, Cl. 355-3.0CH.
Matsushita, Kouji; Tange, Keigo; and Yuge, Shizuo, 4,878,082, Cl. 355-208.000.
Misawa, Naoya, 4,881,086, Cl. 346-108.000.
Miyamoto, Hirohisa;, and Matsuuchi, Yasuyuki, 4,853,739, Cl. 355-229.000.
Miyamoto, Hirohisa; and Kusumoto, Keiji, 4,868,606, Cl. 355-218.000.
Miyamoto, Hirohisa; and Kinoshita, Naoyoshi, 4,890,138, Cl. 355-246.000.
Morikawa, Takashi; and Ikenoue, Yoshikazu, 4,843,405, Cl. 346-1.100.
Morikawa, Takeshi, 4,887,122, Cl. 355-30.000.
Moriya, Shigeru, 4,851,927, Cl. 358-300.000.
Mukai, Hiromu; and Tokumaru, Hisashi, 4,806,003, Cl. 350-459.000.
Mukai, Hiromu, 4,864,345, Cl. 354-403.000.
Muramatsu, Hideo, 4,864,368, Cl. 355-309.000.
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,809,034, Cl. 355-3.0DD.
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,819,027, Cl. 355-3.0DD.
Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, 4,851,872, Cl. 355-253.000.
Murasaki, Sadanobu; and Makiyama, Hiroyuki, 4,874,161, Cl. 271-265.000.
Mutoh, Masayuki, 4,851,860, Cl. 346-75.000.
Nagata, Kenzo; and Kawabuchi, Youichi, 4,868,609, Cl. 355
Naito, Yoshikazu; Nakatani, Keiji; and Wada, Kanji, 4,821,07
358-256.000.
Naito, Yoshikazu, 4,879,576, Cl. 355-214.000.
Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobu
4,803,509, Cl. 354-410.000.
Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Tanigu
Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, 4,821,
354-402.000.
Nakajima, Akio, 4,875,173, Cl. 364-518.000.
Nakamura, Akiyoshi; Ando, Makoto; Ogino, Shuji; and Tanigu
Nobuyuki, 4,837,594, Cl. 354-402.000.
Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Ku
Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Nori
4,887,107, Cl. 354-195.120.
Nakamura, Minoru; and Ito, Masazumi, 4,879,574, Cl. 355-24
Nakatani, Keiji; and Shibazaki, Kenji, 4,806,978, Cl. 355-14.0
Nakatani, Munehiro, 4,807,046, Cl. 358-287.000.
Nakatani, Munehiro, 4,817,174, Cl. 382-22.000.
Naruse, Kazuhiko; Kataoka, Akira; Hirano, Masayasu; and Ta
Naoya, 4,821,338, Cl. 455-617.000.
Naruse, Kazuhiko; and Yasumoto, Hidetoshi, 4,857,96
355-69.000.
Natsuhara, Toshiya; and Osawa, Izumi, 4,836,136, Cl. 118/47
Nishimori, Kadotaro; Ito, Masazumi; and Oyabu, Masa
4,817,877, Cl. 355-14.00R.
Nishimori, Kadotaro; and Ito, Masazumi, 4,856,87
350-356.000.
Nishioka, Nobuaki, 4,797,705, Cl. 355-14.0CH.
Nishise, Hideya; Sakakibara, Susumu; and Imaizumi, Ma
4,803,513, Cl. 355-3.0DD.
Nishiyama, Masaaki; and Kadono, Takashi, 4,847,7
364-518.000.
Nishiyama, Masaaki; and Kadono, Takashi, 4,864,4
358-261.400.
Nishiyama, Masaaki, 4,881,180, Cl. 364-518.000.
Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasa
shihiko; and Taniguchi, Nobuyuki, 4,809,077, Cl. 358-21
Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasa
shihiko; and Taniguchi, Nobuyuki, 4,835,562, Cl. 354-40
Ogino, Shigeo; Nakatani, Keiji; and Murata, Tomoji, 4,864,3
355-202.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,837,5
355-7.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,855,76
355-218.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, 4,860,2
355-308.000.
Ohmori, Naoto, 4,829,322, Cl. 346-108.000.
Ohmori, Naoto, 4,841,314, Cl. 346-160.000.
Ohmori, Naoto, 4,847,643, Cl. 346-160.000.
Ohmori, Naoto, 4,886,963, Cl. 250-235.000.
Ohtani, Junji; Sano, Eiichi; and Kohri, Toshitaro, 4,822,70
430-106.600.
Ohtani, Junji; Machida, Junji; Sano, Eiichi; and Masuda, Fu
4,861,693, Cl. 430-106.600.
Oka, Tateki; Toyoshi, Naoki; Myochin, Hisashi; and Yokoya
Tomoaki, 4,821,071, Cl. 355-14.0CH.
Oka, Tateki; Toyoshi, Naoki; and Yokoyama, Tomoaki, 4,82
Cl. 430-100.000.
Oka, Tateki; Toyoshi, Naoki; and Yokoyama, Tomoaki, 4,835,5
Cl. 355-219.000.
Oka, Tateki, 4,835,569, Cl. 355-274.000.
Okamoto, Hiroshi; Toyoshi, Naoki; Tabuchi, Kenji; Tai
Kaoru; and Nagao, Taisuke, 4,845,524, Cl. 355-239.000.
Omaki, Takanobu; Tanii, Junichi; Tsuji, Sadafusa; and Yama
Maki, 4,870,437, Cl. 354-64.000.
Onuma, Akihiko; and Fujii, Iwao, 4,806,949, Cl. 346-76.0PH.
Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsu
Shuzo; Hoda, Takeo; and Mukai, Hiromu, 4,862,20
354-414.000.
Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Nakamura, Mitsu
and Doi, Isao, 4,851,313, Cl. 430-58.000.
Osawa, Izumi, 4,863,820, Cl. 430-58.000.
Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Masaki, Kenji; and D
Isao, 4,882,256, Cl. 430-66.000.
Otsuki, Hajime, 4,873,552, Cl. 355-271.000.
Oyabu, Masaaki; Sugiura, Masamichi; Hasegawa, Hirofumi; a
Nakatani, Munehiro, 4,837,846, Cl. 382-50.000.
Saijo, Hiromitsu; Ikeda, Hiroshi; Hayashi, Masamichi; and M
suda, Shinya, 4,825,241, Cl. 355-3.0DD.
Saijo, Takao; and Fujita, Masafumi, 4,803,505, Cl. 354-80.00
Saito, Mitsuru; Yoshida, Tadahiro; Morimoto, Yasuhiro; a
Taniguchi, Nobuyuki, 4,814,811, Cl. 354-412.000.
Saito, Mitsuru; and Sato, Kazuchika, 4,860,108, Cl. 358-209.0
Saito, Mitsuru; Umeda, Kaoru; and Tanimoto, Tetsu
4,862,293, Cl. 360-35.100.
Saka, Manami, 4,863,248, Cl. 350-432.000.
Sakai, Masaaki; Ishihara, Sadao; and Shimoyama, To
4,838,720, Cl. 400-642.000.
Sakai, Toshiyuki, 4,846,456, Cl. 271-3.100.
Sakai, Toshiyuki; and Sakata, Toshio, 4,878,087, Cl. 355-207.0
Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsu
Morimoto, Yasuhiro; and Ishibe, Hiroshi, 4,823,19
358-335.000.

Sakamoto, Masashi, 4,882,605, Cl. 355-215.000.
Sakata, Toshio, 4,882,603, Cl. 355-75.000.
Sano, Eiichi; Ohtani, Junji; and Kohri, Toshitaro, 4,847,176, Cl. 430-106.600.
Sasaki, Yoshikazu; and Misawa, Naoya, 4,799,069, Cl. 346-108.000.
Sasaki, Yoshikazu; and Misawa, Naoya, 4,812,861, Cl. 354-4.000.
Sasaki, Yoshikazu, 4,827,481, Cl. 372-31.000.
Sato, Kazuchika; and Taniguchi, Nobuyuki, 4,831,450, Cl. 358-209.000.
Sekiya, Makoto, 4,816,924, Cl. 358-296.000.
Sekiya, Makoto, 4,862,288, Cl. 358-298.000.
Sekiya, Makoto; and Wada, Kanji, 4,872,025, Cl. 346-108.000.
Shibata, Yoshitaka; Tsuji, Sadafusa; and Takada, Kenji, 4,827,118, Cl. 250-211.00J.
Shibazaki, Kenji; Irie, Yutaka; Ito, Masazumi; and Murata, Tomoji, 4,827,310, Cl. 355-243.000.
Shimura, Tadafumi, 4,861,012, Cl. 271-3.100.
Sugiyama, Masami; Kita, Nobuyuki; and Tasaka, Yoshihiro, 4,884,221, Cl. 364-526.000.
Sutou, Masatoki, 4,857,963, Cl. 355-321.000.
Suzuki, Norihiko, 4,855,794, Cl. 355-54.000.
Tabuchi, Kenji; and Kanada, Tomohisa, 4,862,221, Cl. 355-300.000.
Tada, Kaoru, 4,812,915, Cl. 358-287.000.
Tada, Kaoru, 4,858,023, Cl. 358-471.000.
Tada, Kaoru, 4,866,534, Cl. 358-456.000.
Takano, Yoshiaki; Sogame, Masakazu; and Kitagawa, Tsuneo, 4,796,055, Cl. 355-14.0SH.
Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suzuaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.
Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, 4,847,658, Cl. 355-245.000.
Takebe, Kaoru, 4,890,139, Cl. 355-268.000.
Takeda, Katsuhiko, 4,800,414, Cl. 355-58.000.
Takeda, Katsuhiko; Yoshida, Kazuyuki; and Kitajima, Yamato, 4,816,875, Cl. 355-67.000.
Tanaka, Masami, 4,824,226, Cl. 350-427.000.
Tanaka, Osamu, 4,870,436, Cl. 354-195.100.
Tanaka, Susumu; Shibazaki, Kenji; and Nakatani, Keiji, 4,816,864, Cl. 355-14.00R.
Tanaka, Yoshihiro; Tsuji, Sadafusa; and Ootsuka, Hiroshi, 4,811,044, Cl. 354-457.000.
Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
Tanaka, Yoshihiro; Ootsuka, Hiroshi; and Hayama, Koh, 4,884,090, Cl. 354-234.100.
Taniguchi, Ichiro; Hotomi, Hideo; and Osawa, Izumi, 4,842,989, Cl. 430-296.000.
Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, 4,882,601, Cl. 354-407.000.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,797,702, Cl. 354-413.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,816,861, Cl. 354-408.000.
Taniguchi, Nobuyuki; Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; and Norita, Toshio, 4,835,615, Cl. 358-213.190.
Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru, and Sekida, Minoru, 4,839,687, Cl. 354-416.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,851,657, Cl. 250-201.000.
Taniguchi, Nobuyuki; Yamazaki, Keiji; Hosomizu, Hiroshi; Kamiya, Makoto; and Tsuji, Kenji, 4,851,868, Cl. 354-127.100.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,860,046, Cl. 354-475.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,866,467, Cl. 354-21.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,870,438, Cl. 354-132.000.
Taniguchi, Nobuyuki; Karasaki, Toshihiko; Mukai, Hiromu; Tokumaru, Hisashi; and Ishida, Tokuji, 4,878,076, Cl. 354-286.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.
Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, 4,816,862, Cl. 354-412.000.
Tanimoto, Tetsuyuki, 4,855,837, Cl. 358-229.000.
Tokumaru, Hisashi, 4,844,600, Cl. 350-427.000.
Tokumaru, Hisashi; and Ogino, Shuji, 4,846,562, Cl. 350-426.000.
Tominaga, Shinji; Yamamoto, Kouji; and Yamanaka, Akira, 4,857,946, Cl. 354-173.100.
Tottori, Takafumi, 4,888,619, Cl. 355-210.000.
Toyoshi, Naoki; and Oka, Takeki, 4,821,076, Cl. 355-3.00R.
Tsuge, Shoichi, 4,871,640, Cl. 430-126.000.
Tsuji, Kenji; Ichikawa, Tsutomu; and Hosomizu, Hiroshi, 4,816,854, Cl. 354-413.000.
Tsumazawa, Hiroyuki; Yoshioka, Daigo; and Kuwada, Atsushi, 4,862,279, Cl. 358-229.000.
Ueda, Hideaki; Yuge, Shizuo; and Konishi, Katsutoshi, 4,800,144, Cl. 430-58.000.
Ueda, Hideaki, 4,808,505, Cl. 430-83.000.
Ueda, Hideaki, 4,810,608, Cl. 430-73.000.
Ueda, Hideaki, 4,810,609, Cl. 430-83.000.
Ueda, Hideaki; Sakamoto, Mitsutoshi; and Ito, Kimiyuki, 4,865,934, Cl. 430-59.000.
Ueda, Hideaki, 4,865,935, Cl. 430-76.000.
Ueda, Hideaki, 4,886,720, Cl. 430-58.000.
Ueda, Masahide, 4,800,412, Cl. 355-3.0DD.
Ueda, Toshihiko; and Konoma, Kunihiko, 4,805,999, Cl. 350-425.000.
Ueda, Toshihiko, 4,824,236, Cl. 350-427.000.
Ueda, Toshihiko, 4,838,667, Cl. 350-427.000.
Ueda, Toshihiko, 4,865,431, Cl. 350-427.000.
Ueda, Toshihiko, 4,887,891, Cl. 350-427.000.
Ueyama, Masayuki, 4,812,865, Cl. 354-286.000.
Wada, Kanji, 4,888,647, Cl. 358-474.000.
Watanabe, Yutaka; Ito, Masaaki; and Kusano, Hideaki, 4,864,417, Cl. 358-296.000.
Yagoto, Mitsutoshi; Hamada, Akiyoshi; Mino, Masayuki; Tanaka, Yutaka; and Watanabe, Yutaka, 4,878,067, Cl. 346-108.000.
Yamada, Hirokazu, 4,858,908, Cl. 271-176.000.
Yamada, Hirokazu, 4,884,103, Cl. 355-200.000.
Yamada, Takanobu; and Tabuchi, Kenji, 4,866,481, Cl. 355-246.000.
Yamakawa, Kazuo, 4,799,747, Cl. 350-6.800.
Yamakawa, Kazuo; and Aoki, Kazuhito, 4,830,478, Cl. 350-432.000.
Yamakawa, Kazuo, 4,875,763, Cl. 350-432.000.
Yamakoshi, Yukiyoshi, 4,796,058, Cl. 355-29.000.
Yamakoshi, Yukiyoshi; and Makiyama, Hiroyuki, 4,866,472, Cl. 355-27.000.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
Yamanaka, Akira; and Yamazaki, Keiji, 4,853,302, Cl. 429-99.000.
Yokota, Satoshi; Sugiyama, Masami; Kawagoe, Nobukazu; and Miyaura, Tomoko, 4,822,998, Cl. 250-226.000.
Yokoyama, Chujiro; Fukui, Kazuyuki; and Iwatsuki, Haruki, 4,801,134, Cl. 271-122.000.
Yuge, Shizuo; Matsushita, Kouji; and Kawabata, Hidetoshi, 4,887,130, Cl. 355-251.000.
Yuji, Enoguchi; Toshiya, Natsuhara; and Masashi, Yamamoto, 4,883,017, Cl. 118-653.000.
Minomo, Shinzoo, to Kabushiki Kaisha Toshiba. Saw oscillator with attenuator for protecting saw element. 4,799,029, 1-17-89, Cl. 331-107.00A.
Minoo, Dariush. Bipolar violation rate calculation method. 4,796,257, 1-3-89, Cl. 371-5.000.
Minoo, Osamu: *See*—
Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
Minor, James C., to Eastman Kodak Company. Collating document printer. 4,827,354, 5-2-89, Cl. 358-296.000.

Minor, Jennifer L.: *See—*
  Hayes, Michael E.; Hrebenar, Kevin R.; Minor, Jennifer L.; and Woodworth, Lawrence M., 4,886,519, Cl. 44-51.000.
Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; and Almond, Jeffrey W., to National Research Development Corporation. Polypeptides useful in vaccination against enteroviruses. 4,810,491, 3-7-89, Cl. 424-88.000.
Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; Almond, Jeffrey W.; and Ferguson, Morag, to National Research Development Corporation. Peptides useful in vaccination against enteroviruses. 4,857,634, 8-15-89, Cl. 530-324.000.
Minor, Valerie L.: *See—*
  Munn, Robert A.; and Minor, Valerie L., 4,836,426, Cl. 224-206.000.
Minor, Walter. Combination transaction record and tear-off form and method of manufacture thereof. 4,869,530, 9-26-89, Cl. 282-9.00R.
Minoru, Isobe: *See—*
  Yoshinori, Koshida; Minoru, Isobe; and Shin-ichi, Suto, 4,889,220, Cl. 194-206.000.
Minoshima, Yoshihiro: *See—*
  Matsumoto, Takeo; Yamada, Eiichi; Nakachi, Osamu; Irukayama, Godo; and Minoshima, Yoshihiro, 4,824,876, Cl. 522-24.000.
Minotti, Peter L. Vehicle distress signal. 4,884,524, 12-5-89, Cl. 116-28.00R.
Minoura Carrier & Stand Works Co., Ltd.: *See—*
  Minoura, Chihiro, 4,826,150, Cl. 272-73.000.
Minoura, Chihiro, to Minoura Carrier & Stand Works Co., Ltd. Resistance applying means for exercising apparatus. 4,826,150, 5-2-89, Cl. 272-73.000.
Minoura, Jun: *See—*
  Ito, Toshiyasu; Mori, Takaaki; Minoura, Jun; and Adachi, Mikio, 4,832,468, Cl. 350-357.000.
  Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.
Minoura, Kazuo; and Matsuoka, Kazuhiko, to Canon Kabushiki Kaisha. Light modulation element and light modulation apparatus. 4,842,396, 6-27-89, Cl. 350-6.500.
Minoura, Kazuo: *See—*
  Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.
  Enari, Masahiko; Matsuoka, Hiroshi; Aoki, Akio; and Minoura, Kazuo, 4,831,243, Cl. 235-436.000.
  Enari, Masahiko; Aoki, Akio; Matsushita, Machiko; Matsuoka, Hiroshi; and Minoura, Kazuo, 4,888,753, Cl. 369-44.000.
  Kurihara, Hitoshi; Suzuki, Kenichi; and Minoura, Kazuo, 4,825,059, Cl. 235-483.000.
  Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.
  Matsushita, Machiko; Aoki, Akio; and Minoura, Kazuo, 4,870,633, Cl. 369-47.000.
  Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.
  Shikichi, Satoshi; Aoki, Akio; and Minoura, Kazuo, 4,800,546, Cl. 369-44.000.
  Suzuki, Kenichi; and Minoura, Kazuo, 4,800,258, Cl. 235-479.000.
Minoura, Mikio: *See—*
  Ito, Shoji; and Minoura, Mikio, 4,798,188, Cl. 123-478.000.
Minoura, Nobuo; Nakadai, Katsuo; Harase, Toshikatsu; and Iwamatsu, Satoshi, to Fuji Photo Film Co., Ltd. Track access apparatus having high-speed random access using a single stepping motor in a magnetic recording/playback system. 4,803,573, 2-7-89, Cl. 360-78.130.
Minoura, Nobuo; and Nakadai, Katsuo, to Fuji Photo Film Co., Ltd. Still video signal playback apparatus with still video recording function. 4,812,922, 3-14-89, Cl. 360-10.100.
Minovitch, Michael A. Electromagnetic transportation system for manned space travel. 4,795,113, 1-3-89, Cl. 244-63.000.
Minowa, Masahiro, to Kabushiki Kaisha Seiko Epson. Head biasing mechanism in a thermal printer. 4,844,632, 7-4-89, Cl. 400-120.000.
Minowa, Masahiro: *See—*
  Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, 4,822,186, Cl. 400-120.000.
Minowa, Morihiko: *See—*
  Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, 4,809,298, Cl. 375-17.000.
  Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.
Minowa, Takahiro: *See—*
  Inamoto, Norio; and Minowa, Takahiro, 4 887,576, Cl. 123-479.000.
Minowa, Takehiko; and Yamamoto, Toshifumi, to Kabushiki Kaisha Toshiba. Method and apparatus for preventing unevenness in printing depth in a thermal printer. 4,873,536, 10-10-89, Cl. 346-76.0PH.
Minowa, Yoshibumi: *See—*
  Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.
Minozzi, Daniele: *See—*
  Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, 4,796,389, Cl. 52-2.000.
Minroc Technical Promotions Ltd.: *See—*
  Brown, John C. A. T.; Purcell, Patrick; and Sweeny, Pete 4,819,746, Cl. 175-296.000.
Minshull, Ronald G. Fluid manifold. 4,887,386, 12-19-89, Cl. 47-48.5
Minster Machine Co., The: *See—*
  Wissman, Terry L.; and Schockman, Robert L., 4,799,846, C 413-66.000.
Mintel, Thomas E.; and Misevich, Kenneth W., to Colgate-Palmo Company. Rib lock device. 4,794,674, 1-3-89, Cl. 24-143.00R.
Mintel, Thomas E.: *See—*
  Misevich, Kenneth W.; McGregor, Rob R.; and Mintel, Thom E., 4,860,464, Cl. 36-114.000.
  Puckhaber, John H.; Misevich, Kenneth W.; and Mintel, Thom E., 4,794,706, Cl. 36-91.000.
Minter, James L.: *See—*
  Wang, C. David; Shultz, Jeffrey R.; Chen, Hao A.; Minter, Ja L.; and Brower, Charles H., 4,863,782, Cl. 428-204.000.
Minter, Ronald H., to Chloride Group PLC. Egress direction indica system. 4,801,928, 1-31-89, Cl. 340-691.000.
Minter, Ronald H.; and McCue, Robert J. Emergency lighting fixtu 4,802,065, 1-31-89, Cl. 362-20.000.
Minton, John P.: *See—*
  Walaszek, Zbigniew; Hanausek-Walaszek, Malgorzata; We Thomas E.; and Minton, John P., 4,845,123, Cl. 514-473.000.
Mintz, Donald M., to Varian Associates, Inc. Apparatus for manufa turing planarized aluminum films. 4,865,712, 9-12-89, Cl. 204-298
Mintz, Michael, to International Technidyne Corp. Method and appa tus for detecting a blood clot. 4,797,369, 1-10-89, Cl. 436-69.000.
Mintz, Michael D., to International Technidyne Corporation. Movea blotter apparatus and method for use in bleeding-time tests. 4,799,4 1-24-89, Cl. 128-637.000.
Mintz, Michael D., to International Technidyne Corporation. Appa tus and methods for utilizing autotransfusion systems and rela equipment. 4,867,738, 9-19-89, Cl. 604-4.000.
Mintz, Michael L.: *See—*
  Higer, Gary; and Mintz, Michael L., 4,877,021, Cl. 128-200.76
Mintz, Morris Y. Ointment for the treatment of decubiti ulc 4,847,084, 7-11-89, Cl. 424-94.200.
Mintzer, Frederick C.: *See—*
  Pennebaker, William B.; Mitchell, Joan L.; and Mintzer, Freder C., 4,885,576, Cl. 340-793.000.
Mintzer, Lester: *See—*
  Becker, Thomas A.; Cuenin, Paul J.; and Mintzer, Lest 4,835,721, Cl. 364-717.000.
Mintzlaff, Roger G., to Archive Corporation. Streaming tape dr with direct block addressability. 4,858,039, 8-15-89, Cl. 360-72.2
Minuhin, Vadim B.; and Von Deylen, Vernon F., to Magnetic Periph als Inc. Retriggerable monostable multivibrator. 4,800,295, 1-3-8 Cl. 307-273.000.
Minuhin, Vadim B.; and VonDeylen, Vernon F., to Magnetic Periph als Inc. Readback recovery of run length limited codes. 4,813,0 3-14-89, Cl. 375-122.000.
Minuhin, Vadim B., to Magnetic Peripherals Inc 1,7,2,3 encoding coding employing 3/2 frequency division. 4,823,209, 4-18-89, C 360-51.000.
Minuhin, Vadim B., to Magnetic Peripherals Inc. 3/2 Frequency vider. 4,866,741, 9-12-89, Cl. 377-48.000.
Minuhin, Vadim B.; and VonDeylen, Vernon F., to Magnetic Periph als Inc. Self-initializing 1,7 code decoder with low sensitivity errors in preamble. 4,868,690, 9-19-89, Cl. 360-51.000.
Minuhin, Vadim B.; Berzon, Evgeny J.; and VonDeylen, Vernon F. Magnetic Peripherals Inc. Phase lock loop. 4,875,108, 10-17-89, 360-51.000.
Minverose Limited: *See—*
  Hall, Morley, 4,836,365, Cl. 206-0.830.
Mio, Kohei: *See—*
  Ochi, Tatsuyuki; Tanaka, Nobuo; and Mio, Kohei, 4,874,23 356-1.000.
Mio, Kouhei: *See—*
  Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazum Okamoto, Yoshiharu; and Mio, Kouhei, 4,854,769, 404-72.000.
  Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazum Okamoto, Yoshiharu; and Mio, Kouhei, 4,861,189, 404-84.000.
Mio, Mitsushi; and Negita, Hisao, to Awaji Sangyo K. K., a part est. Exothermic conducting paste. 4,857,384, 8-15-89, Cl. 428-164.0
Mio, Shigeru: *See—*
  Sato, Kazuo; Kinoto, Takao; Mio, Shigeru; and Yanai, Tosh 4,835,290, Cl. 549-264.000.
Mion, Louis: *See—*
  Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, J Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robe Lasperas, Monique; and Rousset, Alain, 4,851,576 564-126.000.
Mione, Lawrence J.: *See—*
  Kallman, M. Raymond; Mione, Lawrence J.; and Sabol, P 4,829,289, Cl. 340-656.000.
Miotti, Giosue, to Finic, B.V. Tunnel construction appara method. 4,880,334, 11-14-89, Cl. 405-149.000.
Miply Equipment, Inc.: *See—*
  Long, Eliot R., 4,826,555, Cl. 156-324.000.
  Long. Eliot R., 4,849,261, Cl. 427-282.000.
MIPS Computer Systems, Inc.: *See—*
  Hansen, Craig C.; and Riordan, Thomas J., 4,814,97 364-200.000.
  Hansen, Craig C., 4,879,676, Cl. 364-748.000.
  Mills, Marvin A., Jr.; and Crudele, Lester M., 4,805,098, Cl. 364-900.000.
Miquel, Huquette; and Eyraud, Marcel, to Rhone-Poulenc Films. Transparent composite polyester films capable of being used in particular for producing high-gloss metallized films. 4,820,583, 4-11-89, Cl. 428-333.000.
Miquel, Huquette; and Eyraud, Marcel, to Rhone-Poulenc Films. Transparent composite polyester films capable of being used in particular for producing high-gloss metallized films. 4,828,918, 5-9-89, Cl. 428-333.000.
Mir, Ghulam N.; Borella, Luis E.; DiJoseph, John F.; and Reuter, Gerald L., to American Home Products Corporation (Del.). Exogenously acidified antacid compositions having cytoprotective properties. 4,857,324, 8-15-89, Cl. 424-690.000.
Mir, Ghulam N.: *See—*
  Kinney, William A.; Failli, Amadeo A.; and Mir, Ghulam N., 4,886,821, Cl. 514-357.000.
Mir, Jose M.; Agostinelli, John A.; Peterson, David L.; Paz-Pujalt, Gustavo R.; Higberg, Brian J.; and Rajeswaran, Gopalan, to Eastman Kodak Company. Metalorganic deposition process for preparing superconducting oxide films. 4,880,770, 11-14-89, Cl. 505-1.000.
Mir, Jose M.: *See—*
  Agostinelli, John A.; and Mir, Jose M., 4,797,694, Cl. 346-160.000.
  Agostinelli, John A.; and Mir, Jose M., 4,801,194, Cl. 350-356.000.
  Agostinelli, John A.; and Mir, Jose M., 4,805,012, Cl. 358-75.000.
  Agostinelli, John A.; and Mir, Jose M., 4,822,148, Cl. 350-356.000.
Mir, Leon, to Koch Membrane Systems, Inc. Positive-charged ultrafiltration membrane for the separation of cathodic electrodeposition paint compositions. 4,849,106, 7-18-89, Cl. 210-490.000.
Mira, Silvio; and Schwarte, Rudolf, to Zellweger Uster AG. Optoelectric distance measuring apparatus with delay and zero cross detector. 4,849,644, 7-18-89, Cl. 250-561.000.
Mirabel, Bruno, to Vincent-Jouret S.A. Boxes having articulated lids. 4,819,828, 4-11-89, Cl. 220-338.000.
Mirabel, Pierre; and Schoumacher, Marcel, to Devtex. Device for drawing roves or slivers of fibers on a spinning machine. 4,878,268, 11-7-89, Cl. 19-258.000.
Mirabella, Charles J., Jr.; Marsden, Brian D.; and McDonald, Russell, to Xerox Corporation. Sealed mechanical actuator and electro-optic sensor for use in sheet feeding. 4,864,124, 9-5-89, Cl. 250-229.000.
Mirabelli, Christopher K.: *See—*
  Hill, David T.; Johnson, Randall K.; and Mirabelli, Christopher K., 4,857,549, Cl. 514-495.000.
Miracle, Gary D.: *See—*
  Turpin, Robert T., Sr.; and Miracle, Gary D., 4,827,553, Cl. 15-104.180.
Miracle Recreation Equipment Company: *See—*
  Ahrens, Paul W., 4,811,943, Cl. 272-56.50R.
Mirafi, Inc.: *See—*
  Freese, James S., 4,840,515, Cl. 405-45.000.
Miragen, Inc.: *See—*
  Francoeur, Ann-Michele, 4,880,750, Cl. 436-501.000.
Miraglia, Humbert G., Jr. Portable guide fence for hand held power saws. 4,867,425, 9-19-89, Cl. 269-1.000.
Mirahem, William C., to Marantz Company. Talking doll. 4,805,328, 2-21-89, Cl. 40-457.000.
Miram, George V.; Green, Michael C.; and Merdinian, George K., to Varian Associates, Inc. Multiple sheet beam gridded electron gun. 4,873,468, 10-10-89, Cl. 313-411.000.
Mirand, James: *See—*
  Dickinson, William D.; and Mirand, James, 4,869,371, Cl. 206-577.000.
Miranda, Gonzalo F. Shuttlecock. 4,813,686, 3-21-89, Cl. 273-417.000.
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Miranda, Peter M.: *See—*
  Goossens, John C.; Factor, Arnold; and Miranda, Peter M., 4,861,664, Cl. 428-409.000.
  Moore, James E.; Factor, Arnold; and Miranda, Peter M., 4,863,802, Cl. 428-412.000.
Miranda, Samuel, to Westinghouse Electric Corp. Variable delay reactor protection system. 4,832,898, 5-23-89, Cl. 376-215.000.
Miranda, Thomas J., to Whirlpool Corporation. Semi-organic foams. 4,820,741, 4-11-89, Cl. 521-123.000.
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  Benn, Raymond C.; Mirchandani, Prakash K.; and Mattson, Walter E., 4,832,734, Cl. 75-249.000.
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  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,822,590, Cl. 423-561.100.
  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,853,359, Cl. 502-220.000.
Mirenda, Paul; and Woolcock, Kenneth R. Boat cradle and loading device for vehicle tops. 4,830,249, 5-16-89, Cl. 224-310.000.
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Mirkovich, Ninko T., to Tegal Corporation. Cassette elevator for use in a modular article processing machine. 4,861,222, 8-29-89, Cl. 414-648.000.
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  Wasylyshyn, Mike, 4,808,060, Cl. 414-608.000.
Miro, Nemesio D., to Mobil Oil Corporation. Catalyst composition for preparing high density or linear low density olefin polymers of controlled molecular weight distribution. 4,831,000, 5-16-89, Cl. 502-110.000.
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Mirow, Fred. Input and output responsive controlled rectifier. 4,872,101, 10-3-89, Cl. 363-49.000.
Mirowski, Mieczyslaw: *See—*
  Menken, John, 4,819,643, Cl. 128-419.00P.
  Shapland, J. Edward; and Bach, Stanley M., Jr., 4,817,608, Cl. 128-419.00P.
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Mirura, Ryozo; Okamoto, Yoshio; Takahashi, Hiroki; and Inada, Souichi, to Nippon Yakin Kogyo Co., Ltd. Method of controlling strip crown in planetary rolling. 4,856,313, 8-15-89, Cl. 72-234.000.
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  Tompane, Richard B., 4,868,677, Cl. 358-302.000.
Mirviss, Stanley B., to Akzo America Inc. Process for the preparation of omega-unsaturated carboxylic acids. 4,845,271, 7-4-89, Cl. 260-405.500.
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  Obrecht, Werner; Goossens, John; Mirza, Jean; Pabst, Jurgen; Thormer, Joachim; and Szentivanyi, Zsolt, 4,826,721, Cl. 428-252.000.
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- Misaki, Hirozumi *See—*
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- Misasa Inc.: *See—*
  - Chen, Mei L., 4,804,538, Cl. 424-401.000.
- Misato Plaheat Mfg. Ltd.: *See—*
  - Kiyokawa, Shin, 4,803,949, Cl. 119-3.000.
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- Misawa, Atsushi: *See—*
  - Nakagawa, Tadashi; Nemoto, Ichiro; Aosaki, Ko; and Misawa, Atsushi, 4,814,807, Cl. 354-246.000.
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- Misawa Home Kabushiki Kaisha: *See—*
  - Nakano, Sota; and Tada, Shinsaku, 4,861,375, Cl. 106-90.000.
- Misawa, Keizou: *See—*
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- Misawa, Makoto; Kawakami, Shinji; and Hanada, Ryoji, to Yokohama Rubber Co., Ltd., The. Radial tire having reduced ply steer. 4,819,704, 4-11-89, Cl. 152-209.00R.
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  - Goodbody, Anne E.; Watson, Colin D.; and Misawa, Masanaru, 4,831,133, Cl. 540-478.000.
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- Misawa, Naoya, to Minolta Camera Kabushiki Kaisha. Laser recorder with sheet edge detection. 4,881,086, 11-14-89, Cl. 346-108.000.
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  - Sasaki, Yoshikazu; and Misawa, Naoya, 4,799,069, Cl. 346-108.000.
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- Misawa, Rokurou: *See—*
  - Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.
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- Misawa, Yasunao: *See—*
  - Yeh, Ching-Fa; Misawa, Yasunao; and Yatsuda, Yuji, 4,818,719, Cl. 437-057.000.
- Misawa, Yoshihiko: *See—*
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- Misawa, Yoshisada: *See—*
  - Aruga, Akio; Kubota, Ikuya; Kuroiwa, Tetsuo; and Misawa, Yoshisada, 4,844,048, Cl. 126-21.00R.
- Mischke, Georg H.: *See—*
  - Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, 4,878,623, Cl. 241-5.000.
- Mischke, Peter; and Schladetsch, Hans J., to Hoechst Aktiengesellschaft. Azo compounds containing cyano and vinyl-sulfone groups, a process for their preparation and their use as dyestuffs. 4,889,923, 12-26-89, Cl. 534-597.000.
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  - Hauffe, Dieter; Beege, Gisela; Mischke, Peter; and Rausch, Werner, 4,849,031, Cl. 148-260.000.
- Mischler, Denis; and Cairos, Jean Yves, to Thomson-CSF. Method of locating pairs of curved parallel lines in an image. 4,843,629, 6-27-89, Cl. 382-6.000.
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  - Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
- Mise, Noritoshi; and Matsumura, Koichi, to Takeda Chemical Industries, Ltd. Deodorant composition. 4,837,020, 6-6-89, Cl. 424-68.000.
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- Miseki, Kozo, to Shimadzu Corporation. Inductively-coupled radio frequency plasma mass spectrometer. 4,804,838, 2-14-89, Cl. 250-288.000.
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- Misenheimer, Laura P.: *See—*
  - Bulson, Laura G.; Misenheimer, Laura P.; and Sebrosky, Robert A., 4,839,621, Cl. 335-277.000.
- Misevich, Kenneth W.; McGregor, Rob R.; and Corrao, Anthony J., to Tretorn AB. Dynamic support for an athletic shoe. 4,854,057, 8-8-89, Cl. 36-114.000.
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- Misgen, Kenneth G.; Gillingham, Gary R.; Rocklitz, Gary J.; and Durre, Reynold F., to Donaldson Company, Inc. Seal arrangement for fluid filters. 4,834,885, 5-30-89, Cl. 210-440.000.
- Mishiba, Saburo: *See—*
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- Mishima, Mutsukata: *See—*
  - Itoh, Toshinobu; Nakaso, Noriyuki; Takino, Takashi; and Mishima, Mutsukata, 4,819,588, Cl. 123-52.00M.
- Mishima, Nobuhiro: *See—*
  - Araki, Kazuhiro; and Mishima, Nobuhiro, 4,888,615, Cl. 355-200.000.
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  - Okawa, Takayuki; and Imai, Shigeaki, 4,810,562, Cl. 428-199.000.
- Mishima, Shiro: *See—*
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  - Kubo, Eiichi; Nagaoka, Koichi; Miyahara, Yoshiki; Kiriyama, Syunichi; and Mishima, Yasunobu, 4,874,666, Cl. 428-398.000.
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  - Tinti, Maria O.; and Misiti, Domenico, 4,806,282, Cl. 260-501.130.
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  - Biller, Scott A.; and Misra, Raj N., 4,843,082, Cl. 514-311.000.
- Misra, Sudhan S.; and Noveske, Terrence M., to C & D Power Systems, Inc. Alkali metal polysilica gel electrolyte lead-acid battery and method for making the same. 4,863,816, 9-5-89, Cl. 429-190.000.
- Misra, Sudhan S.; and Noveske, Terrence M., to C & D Charter Power Systems, Inc. Method for in situ forming lead-acid batteries having absorbent separators. 4,871,428, 10-3-89, Cl. 204-2.100.
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- Misra, Virkam: *See—*
  - Silversides, David W.; Mapletoft, Reuben J.; Murphy, Bruce D.; and Misra, Virkam, 4,879,112, Cl. 424-85.900.
- Missalla, Manfred F. Pot hanger. 4,877,210, 10-31-89, Cl. 248-318.000.
- Missbach, Falko: *See—*
  - Jentzsch, Arndt; Mueller, Wolfgang; Missbach, Falko; and Eichler, Volker, 4,867,062, Cl. 101-350.000.
- Missfeldt, William A., to Temple University of the Commonwealth System of Higher Education. Pneumatic drive circuit for an artificial ventricle including systolic pressure control. 4,808,088, 2-28-89, Cl. 417-395.000.
- Mission Pharmacal: *See—*
  - Waldorf, Neill B.; Alexandrides, George; and Pak, Charles Y. C., 4,814,177, Cl. 424-464.000.
- Mission Pharmacal Company: *See—*
  - Pak, Charles Y. C.; and Walsdorf, Neill B., 4,851,221, Cl. 424-693.000.
- Missout, Bernard M.; and Michaux, Jean-Pierre, to Societe Anonyme de Telecommunications; and Societe Industrielle de Liaisons Electriques. Device for inserting optical fibers into helical grooves of a ring in a cabling line. 4,825,629, 5-2-89, Cl. 57-6.000.
- Mista, Kresimir, to Karl Mayer Textilmaschinenfabrik GmbH. Spooling machine with a plurality of winding heads. 4,881,693, 11-21-89, Cl. 242-35.50A.
- Mr. Christmas Incorporated: *See—*
  - Hermanson, Terry, 4,885,664, Cl. 362-123.000.
- Mr. Coffee, Inc.: *See—*
  - Pastrick, John J., 4,882,983, Cl. 99-295.000.
- Mr. Gasket Company: *See—*
  - Segal, William J., 4,804,091, Cl. 206-457.000.
  - Segal, William J., 4,842,141, Cl. 206-462.000.
  - Segal, William J., 4,867,335, Cl. 220-327.000.
- Mr. Wash Auto-Service Aktiengesellschaft: *See—*
  - Messing, Horst; and Enning, Joseph, 4,809,721, Cl. 134-57.00R.
- Mistral Windsurfing AG: *See—*
  - Langenbach, Michael; Cremer, Dirk; and Koppen, Reinhard, 4,887,986, Cl. 441-74.000.
- Mistry, Kiran K.: *See—*
  - Payne, Nicholas W. P.; and Mistry, Kiran K., 4,845,735, Cl. 379-5.000.
- Mistubishi Kasei Corporation: *See—*
  - Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.
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- Misu, Daisuke: *See—*
  - Mano, Tsutomu; Kawase, Jiro; Misu, Daisuke; and Obayashi, Michio, 4,871,372, Cl. 8-410.000.
- Misu, Hiroshi: *See—*
  - Aoai, Toshiaki; Maemoto, Kazuo; Kamiya, Akihiko; and Misu, Hiroshi, 4,877,711, Cl. 430-176.000.
- Misu, Kazuhiro, to NEC Corporation. Integrated circuit with improved protective device. 4,819,046, 4-4-89, Cl. 357-23.130.
- Misu, Susumu: *See—*
  - Kamimura, Masahiro; Ono, Akehiro; Misu, Susumu; and Nakahara, Junji, 4,826,336, Cl. 400-607.000.
- Misuda, Katsutoshi; and Hasegawa, Takafumi, to Asahi Glass Company, Ltd. Carrier medium for a coloring matter. 4,879,166, 11-7-89, Cl. 428-212.000.
- Misumi, Akira: *See—*
  - Kumada, Masaharu; and Misumi, Akira, 4,872,924, Cl. 148-12.100.
- Misumi, Kiyohito: *See—*
  - Furukawa, Mitsuhiko; Kitahira, Takashi; Tanaka, Sakae; and Misumi, Kiyohito, 4,874,725, Cl. 501-89.000.
  - Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
- Misumi, Kozo: *See—*
  - Watanabe, Junichi; Misumi, Kozo; Miyaguchi, Masanobu; Kadomatsu, Seiji; and Nakazawa, Sei, 4,822,838, Cl. 524-178.000.
- Misumi, Masanori: *See—*
  - Hataoka, Kenji; Yamashita, Akinori; Misumi, Masanori; and Hashimoto, Noboru, 4,811,231, Cl. 364-431.050.
- Misumi, Masao; and Atsumi, Koji, to Oval Engineering Co., Ltd. Vortex flow meter. 4,838,092, 6-13-89, Cl. 73-861.220.
- Misumi, Shikao: *See—*
  - Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misumi, Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, 4,874,303, Cl. 425-28.100.
- Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, to Canon Kabushiki Kaisha. Layered photoconductive member comprising amorphous silicon. 4,795,688, 1-3-89, Cl. 430-65.000.
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  - Yamamoto, Fumihiko; and Misumi, Teruyuki, 4,855,365, Cl. 525-401.000.
  - Yoshikawa, Hiromichi; and Misumi, Teruyuki, 4,885,286, Cl. 514-120.000.
- Mita, Akimitsu: *See—*
  - Takei, Kazuo; Toda, Susumu; Nakaya, Yutaka; and Mita, Akimitsu, 4,833,616, Cl. 364-473.000.
- Mita, Akio; Dobashi, Akio; and Kashiwabara, Susumu, to Director General of Agency of Industrial Science and Technology. Pulping process. 4,851,082, 7-25-89, Cl. 162-76.000.
- Mita, Hideo: *See—*
  - Misawa, Hideo; and Mita, Hideo, 4,845,953, Cl. 62-6.000.
- Mita Industrial Co., Ltd.: *See—*
  - Deguchi, Hiroyuki, 4,882,606, Cl. 355-274.000.
  - Fujii, Masanori; Komura, Shuji; and Oogami, Shunsuke, 4,855,204, Cl. 430-106.000.
  - Himegi, Tohru, 4,865,306, Cl. 271-121.000.
  - Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.
  - Irie, Yoichiro, 4,863,155, Cl. 271-293.000.
  - Irie, Yoichiro, 4,878,660, Cl. 271-293.000.
  - Ishiguro, Yasuyuki; and Ogiri, Tadakazu, 4,806,981, Cl. 355-15.000.

Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.
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Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi; and Yamashita, Yuji, 4,860,056, Cl. 355-298.000.
Kato, Mamoru; Maekawa, Kouji; Matsunobu, Kenichi; Fujie, Naoka; and Hazama, Hiroyuki, 4,826,750, Cl. 430-122.000.
Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, 4,882,253, Cl. 430-59.000.
Kumamoto, Hidechika; Kuroyanagi, Satoshi; and Hori, Setsuo, 4,812,881, Cl. 355-77.000.
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Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.
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Miyoshi, Yoshitake, 4,822,023, Cl. 271-118.000.
Miyoshi, Yoshitake; and Shibata, Kiyotaka, 4,870,463, Cl. 118-653.000.
Mizude, Kazuhiro, 4,796,060, Cl. 355-68.000.
Mizude, Kazuhiro; and Ujihira, Hideyuki, 4,804,997, Cl. 355-14.0SH.
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Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.
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Shibata, Kiyotaka; and Morimoto, Kiyoshi, 4,861,013, Cl. 271-119.000.
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Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuto; and Aikawa, Yukihiro, 4,873,549, Cl. 355-206.000.
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Tsubota, Noriaki; and Tokuno, Toshiro, 4,849,318, Cl. 430-137.000.
Tsunoda, Arihiro; Tsuji, Kikunosuke; Nakakuma, Akira; and Matsushita, Tetsuya, 4,862,218, Cl. 355-235.000.
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Yamamoto, Haruo; Yamane, Masamitsu; and Ogawa, Shusaku, 4,851,876, Cl. 355-323.000.
Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, 4,860,053, Cl. 355-245.000.
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Mita, Katsuya; Machida, Yutaka; and Morishita, Muneki, to Omron Tateisi Electronics Co. IC card reader/writer. 4,871,905, 10-3-89, Cl. 235-475.000.

Mita, Makoto: *See—*
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Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Incorporated. Preparation process of α-L-aspartyl-L-phenylalanine methyl ester. 4,801,732, 1-31-89, Cl. 560-40.000.

Mita, Seiichi: *See—*
Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.

Mita, Tatsumi, to Koganei Ltd. Double acting cylinder unit. 4,798,128, 1-17-89, Cl. 92-59.000.

Mita, Yoshinobu: *See—*
Dei, Katsuhito; Mita, Yoshinobu; Yoshida, Tadashi; and Kawamura, Naoto, 4,805,013, Cl. 358-80.000.

Mitadera, Takashi: *See—*
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Mitaine, Jean-Claude: *See—*
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Mitaka Kohki Company Ltd.: *See—*
Nakamura, Katushige, 4,843,228, Cl. 250-201.000.
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Nakamura, Katushige, 4,881,709, Cl. 248-281.100.

Mitake, Tsuyoshi: *See—*
Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.

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Mitamura, Ichiro: *See—*
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Mitamura, Isao; and Otaka, Hitoshi, to Tomy Kogyo Co., Inc. Animated annunciator apparatus. 4,864,607, 9-5-89, Cl. 379-388.000.

Mitamura, Kenichi: *See—*
Takeuchi, Mikio; Nakano, Kinichiro; Mitamura, Kenichi; and Tomoda, Takahisa, 4,873,530, Cl. 343-711.000.

Mitamura, Shuichi; Fujishiro, Koichi; and Inoue, Hiroharu, to Nippon Steel Corporation. Process for preparation of naphthalene-2,6-dicarboxylic acid dialkali metal salts. 4,820,868, 4-11-89, Cl. 562-482.00

Mitani, Akio; Kashima, Koji; and Yamaguchi, Hiroichi, to Kabushiki Kaisha Toshiba. Heat accumulator. 4,850,424, 7-25-89, Cl. 165-10.00

Mitani, Eisuke: *See—*
Izumi, Eiichi; Iwamoto, Hiroshi; Mitani, Eisuke; and Shiki Hiroyasu, 4,851,673, Cl. 250-309.000.

Mitani, Hiroshi: *See—*
Oshima, Mitsuaki; Izaki, Masataka; Kajino, Jirou; Igarashi, Yoshiaki; and Mitani, Hiroshi, 4,856,882, Cl. 350-500.000.

Mitani, Katsuaki; and Ishinaga, Hideki, to Matsushita Electric Industrial Co., Ltd. X-ray shielded projection lens. 4,840,471, 6-20-89, C 350-438.000.

Mitani, Katsuo: *See—*
Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, 4,843,021, Cl. 436-533.000.

Mitani, Katsuyoshi: *See—*
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Mitani, Kazutami: *See—*
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Mitani, Takahiko: *See—*
Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Osaki Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, C 514-206.000
Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Osawa Hiroshi; Mitani, Takahiko; Jomori, Takahito; Kokem Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,109, C 514-274.000.
Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, 4,870,062, Cl. 514-63.000.

Mitani, Tateki, to Mitsubishi Denki Kabushiki Kaisha. Pressure damping port of internal combustion engine. 4,823,759, 4-25-89, C 123-568.000.

Mitani, Toragoro: *See—*
Komabashiri, Takamichi; Mitani, Toragoro; Yamauchi, Hiroaki and Yasui, Hideo, 4,863,524, Cl. 134-22.190.
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Mitani, Tsutomu: *See—*
Kurokawa, Hideo; Mitani, Tsutomu; Odagiri, Masaru; and Yazawa, Taketoshi, 4,833,031, Cl. 428-336.000.
Kurokawa, Hideo; Mitani, Tsutomu; Yokoyama, Kazuo; and Yazawa, Taketoshi, 4,835,070, Cl. 428-64.000.

Mitani, Yoichiro: *See—*
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Mitani, Yushi: *See—*
Haga, Katutoshi; Yoshida, Hisatoshi; and Mitani, Yushi, 4,852,6 Cl. 74-826.000.

Mitanihara, Makoto; and Sekine, Tatsuo, to Kabushiki Kaisha Sa Automatic packaging method and apparatus. 4,836,873, 6-6-89, 156-157.000.

Mitarai, Akira; and Yamamoto, Hachizou, to Sharp Kabushiki Kaisha Flat keyboard arrangement. 4,879,548, 11-7-89, Cl. 340-712.000

Mitarai, Kazuo: *See—*
Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Ka 4,862,982, Cl. 180-79.100.

Mitarai, Keiji: *See—*
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Mitariten, Michael J.: *See—*
Doshi, Kishore J.; Werner, Robert G.; and Mitariten, Michael J., 4,863,492, Cl. 55-16.000.

Mitazaki, Hiroo: *See—*
Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, 4,832,860, Cl. 252-56.00R.

Mitby, John S.: *See—*
Cecchi, Delbert R.; Kim, Hyung S.; Mitby, John S.; Swart, David P.; Stanisic, Balsha R.; and Wu, Philip T., 4,866,308, Cl. 307-475.000.

Mitch, John H., to Tektronix, Inc. Method and apparatus for precisely positioning microlenses on optical fibers. 4,818,263, 4-4-89, Cl. 65-2.000.

Mitchum, Larry D., to Texas Instruments Incorporated. Printer having ribbon shift mechanism. 4,820,063, 4-11-89, Cl. 400-216.100.

Mitchell, Albert M.: *See—*
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Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., to Texas Instruments Incorporated. Use of sidewall oxide to reduce filaments. 4,806,201, 2-21-89, Cl. 156-653.000.

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Mitchell, Allan T.; and Riemenschneider, Bert R., to Texas Instruments Incorporated. EEPROM including programming electrode extending through the control gate electrode. 4,853,895, 8-1-89, Cl. 365-185.000.

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Mitchell, Allan T.: *See—*
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Tigelaar, Howard L.; Mitchell, Allan T.; Riemenschneider, Bert R.; and Paterson, James L., 4,839,705, Cl. 357-23.500.

Mitchell, Andrew: *See—*
Knight, John D.; Shapiro, Robert D.; Banks, Frank H.; Mitchell, Andrew; Sunray, Barry S.; and DeFrancesco, Robert A., 4,845,486, Cl. 340-618.000.

Mitchell, Art; and Mitchell, Mark T., to Mitchell Well Service, Inc. Fluted safety joint apparatus for use in cased oil and gas wells. 4,828,291, 5-9-89, Cl. 285-39.000.

Mitchell Chemical Co.: *See—*
Cunningham, Glenn R.; and Senules, Alex, 4,836,870, Cl. 149-2.000.

Mitchell, Cheryl R.; and Mitchell, Pat R., to Fruit Source Associates. Fruit concentrate sweetner and process of manufacture. 4,873,112, 10-10-89, Cl. 426-599.000.

Mitchell, Cheryl R.; Mitchell, Pat R.; and Mitchell, William A., to California Natural Products. Rice syrup sweetener. 4,876,096, 10-24-89, Cl. 426-28.000.

Mitchell, Christopher: *See—*
Markle, Wilson; and Mitchell, Christopher, 4,862,256, Cl. 358-81.000.

Mitchell, Christopher J.: *See—*
Marshall, Alan D.; Mitchell, Christopher J.; and Proudler, Graeme J., 4,866,707, Cl. 370-94.100.
Marshall, Alan D.; Mitchell, Christopher J.; and Proudler, Graeme J., 4,888,800, Cl. 380-21.000.

Mitchell, Clair E.: *See—*
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Mitchell, Colin H.: *See—*
Kenworthy, Gordon; Mitchell, Colin H.; and Hawkins, Keith S., 4,879,089, Cl. 376-399.000.

Mitchell, Curtis W.: *See—*
Djennas, Frank; and Mitchell, Curtis W., 4,883,774, Cl. 437-211.000.

Mitchell, David J.; and Zboril, Vaclav G., to Du Pont Canada Inc. Polyolefin compositions containing trialkanolamines. 4,859,733, 8-22-89, Cl. 524-432.000.

Mitchell, David J.: *See—*
Zboril, Vaclav G.; and Mitchell, David J., 4,803,259, Cl. 528-483.000.

Mitchell, Debra J.; and Ranzau, Cheryl L. Washable and contoured nursing pads. 4,875,492, 10-24-89, Cl. 128-890.000.

Mitchell, Donald J.: *See—*
Gillispie, John G.; and Mitchell, Donald J., 4,856,664, Cl. 215-31.000.

Mitchell, Douglas G.: *See—*
Sharma, Ravinder K.; Geyer, Harry J.; and Mitchell, Douglas G., 4,880,708, Cl. 428-620.000.

Mitchell, E. Keith; and Reed, Donald N., to Kerr-McGee Corporation. Process for cryogenically separating natural gas streams. 4,805,413, 2-21-89, Cl. 62-24.000.

Mitchell, Earl F., Jr. Seal attachment for tubing. 4,863,203, 9-5-89, Cl. 285-373.000.

Mitchell, Edward G. Pop-top can opener ring. 4,825,728, 5-2-89, Cl. 81-3.090.

Mitchell, Edwina B.: *See—*
Farquharson, Richard A.; and Mitchell, Edwina B., 4,888,174, Cl. 424-405.000.

Mitchell, Frances E.; Campbell, G. Edward; and Steichen, Dale S., to Clorox Company, The. Oxidant bleach, container and fragrancing means therefor. 4,858,758, 8-22-89, Cl. 206-205.000.

Mitchell, Frances E.: *See—*
Coyne, Thomas; England, J. Bruce; Haendler, Blanca; Mitchell, Frances E.; and Steichen, Dale S., 4,863,626, Cl. 252-91.000.
Coyne, Thomas S.; Klapprott, Daniel H.; Lutkin, Eric A.; Mitchell, Frances E.; Riggin, Ute H.; Steichen, Dale S.; and Thompson, Suzanne M., 4,865,759, Cl. 252-186.420.
Reboa, Paul F.; Mitchell, Frances E.; and Choy, Clement K., 4,842,757, Cl. 252-76.000.

Mitchell, Gary A.; Jaffe, Gerald E.; and Solorzano, Marilyn M., to Coulter Electronics, Inc. Water soluble zanthylium derivative substrates. 4,801,534, 1-31-89, Cl. 435-13.000.

Mitchell, Gerald M.: *See—*
Couillaud, Bernard; and Mitchell, Gerald M., 4,862,469, Cl. 372-33.000.

Mitchell, Glen E. Self-attaching linking device. 4,858,977, 8-22-89, Cl. 294-82.100.

Mitchell, Hal D.; and Lueckenhoff, Roger J., to Figgie International Inc. Method of fabricating a ball-striking implement. 4,844,460, 7-4-89, Cl. 273-72.00R.

Mitchell, Hal D., to Figgie International Inc. Football shoulder pads with accordian-hinge flap. 4,868,925, 9-26-89, Cl. 2-2.000.

Mitchell, Hal D.: *See—*
Gardner, James D.; Mitchell, Hal D.; Stickley, Paul F.; Taylor, Alvin E.; and Wilson, Edward J., 4,850,056, Cl. 2-227.000.

Mitchell, Henry W.: *See—*
McMilian, Thomas A.; and Mitchell, Henry W., 4,870,991, Cl. 137-624.120.

Mitchell, James A.; and Bechdel, John F., to International Business Machines Corporation. Extended floating point operations supporting emulation of source instruction execution. 4,841,476, 6-20-89, Cl. 364-900.000.

Mitchell, James L., to Rogers Tool Works, Inc. Quick change tool holder. 4,836,706, 6-6-89, Cl. 403-24.000.

Mitchell, James L.; and Bexten, Daniel P., to Dayco Products, Inc. Belt tensioning system, tensioner and parts therefor and methods of making the same. 4,883,446, 11-28-89, Cl. 474-133.000.

Mitchell, James N.: *See—*
Wiemeri, Ronald W.; and Mitchell, James N., 4,848,424, Cl. 144-34.00R.

Mitchell, James T., to Westinghouse Electric Corp. End connections for wound capacitors and methods of making the same. 4,819,115, 4-4-89, Cl. 361-308.000.

Mitchell, Joan L.; and Pennebaker, William B., to International Business Machines Corporation. Modified technique for suppression of flicker in interlaced video images. 4,799,105, 1-17-89, Cl. 358-160.000.

Mitchell, Joan L.; Anderson, Karen L.; and Geortzel, Gerald, to International Business Machines Corporation. Method for encoding and decoding a digital image. 4,888,645, 12-19-89, Cl. 358-261.100.

Mitchell, Joan L.: *See—*
Gonzales, Cesar A.; Mitchell, Joan L.; and Pennebaker, William B., Jr., 4,870,695, Cl. 382-56.000.
Pennebaker, William B.; Mitchell, Joan L.; and Mintzer, Frederick C., 4,885,576, Cl. 340-793.000.

Mitchell, Joe C.: *See—*
Boyer, Scott M.; Cole, Steven J.; Gauvin, Roger A.; and Mitchell, Joe C., 4,887,754, Cl. 224-319.000.

Mitchell, John. Double safety lock and quick release tool and tool holder assembly. 4,827,614, 5-9-89, Cl. 30-151.000.

Mitchell, John, deceased; and by Ament, Charles E., executor. Apparatus for magnetically treating fluids. 4,808,306, 2-28-89, Cl. 210-222.000.

Mitchell, John C.: *See—*
Ackroff, John M.; Heffler, Michael J.; and Mitchell, John C., 4,800,485, Cl. 364-200.000.

Mitchell, Julian M.; Wingrove, Donald E.; and Eckert, Charles F., to Uniroyal Chemical Company, Inc. Tire having tread composition comprised of EPDM/unsaturated rubber blend. 4,814,384, 3-21-89, Cl. 525-211.000.

Mitchell, Mark: *See—*
Navratil, Martin; Baytycky, Jimmy P.; Sovak, Mojmir; and Mitchell, Mark, 4,811,787, Cl. 166-273.000.

Mitchell, Mark D.; and Jones, Olin. Reinforcement hinge repair kit. 4,825,509, 5-2-89, Cl. 16-382.000.

Mitchell, Mark P.: *See—*
Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.

Mitchell, Mark S.: *See—*
Navratil, Martin; Mitchell, Mark S.; and Sovak, Mojmir, 4,836,285, Cl. 166-295.000.
Navratil, Martin; Mitchell, Mark S.; and Sovak, Mojmir, 4,858,693, Cl. 166-295.000.

Mitchell, Mark T.: *See—*
Mitchell, Art; and Mitchell, Mark T., 4,828,291, Cl. 285-39.000.

Mitchell, Maurice E. Microcomputer with disconnected, open, independent, bimemory architecture, allowing large interacting, interconnected multi-microcomputer parallel systems accomodating multiple levels of programmer defined heirarchy. 4,875,154, 10-17-89, Cl. 364-206.000.

Mitchell, Michael O.; and McGlynn, Kevin P., to International Business Machines Corp. Professional office system printer support for personal computers. 4,849,883, 7-18-89, Cl. 364-300.000.
Mitchell, Monte C., to B & H Manufacturing Company, Inc. Heat shrink labeling machine with extended chuck. 4,872,931, 10-10-89, Cl. 156-86.000.
Mitchell, Pamela: *See—*
  Boucher, Joan L.; and Mitchell, Pamela, 4,805,937, Cl. 280-33.992.
Mitchell, Pat R.: *See—*
  Mitchell, Cheryl R.; and Mitchell, Pat R., 4,873,112, Cl. 426-599.000.
  Mitchell, Cheryl R.; Mitchell, Pat R.; and Mitchell, William A., 4,876,096, Cl. 426-28.000.
Mitchell, Paul: *See—*
  Stevens, Albert F.; DeWitt, Robert R.; Lile, William R.; Mitchell, Paul; and Tentarelli, Stephen, 4,863,037, Cl. 209-3.100.
Mitchell, Paul B., Jr.: *See—*
  Weathers, John B.; Mitchell, Paul B., Jr.; Sampson, Coy L.; and Hubbs, Charles B., 4,882,818, Cl. 26-15.00R.
Mitchell, Paul H.: *See—*
  Hills, Karen F.; and Mitchell, Paul H., 4,839,813, Cl. 364-464.030.
Mitchell, Peter W. D., to Union Camp Corporation. Improved method for the preparation of 1,4-cineole. 4,831,163, 5-16-89, Cl. 549-463.000.
Mitchell, Peter W. D., to Union Camp Corporation. Preparation of pseudoionones. 4,874,900, 10-17-89, Cl. 568-390.000.
Mitchell, Phillip, to Kamyr, Inc. Leaching solution distribution arm and control therefor. 4,807,854, 2-28-89, Cl. 266-168.000.
Mitchell, Phillip: *See—*
  Brison, Robert J.; Elmore, Carl L.; and Mitchell, Phillip, 4,816,234, Cl. 423-29.000.
Mitchell, Randolph N. Balancing-vessel transducer with inter-communicating chambers for the conversion of a pneumatic signal, low strength notwithstanding, into a quantifiable output of whatever nature. 4,794,796, 1-3-89, Cl. 73-751.000.
Mitchell, Randolph N. Shapemetering apparatus for continuous monitoring and/or correction of the profile and flatness of rolled metal strip and the like. 4,809,527, 3-7-89, Cl. 72-8.000.
Mitchell, Richard A.; and Buchanan, Joseph R., to Skotch, Inc. Double block and vent valve system. 4,798,223, 1-17-89, Cl. 137-312.000.
Mitchell, Richard S., to Du Pont de Nemours, E. I., and Company. Process for preparing a mixture of methyl-substituted primary anilines. 4,795,833, 1-3-89, Cl. 564-409.000.
Mitchell, Robert A.; and Lavely, Thomas E., to Queen City Plastics, Inc. Corrugated plastic conduit system. 4,829,145, 5-9-89, Cl. 174-65.00G.
Mitchell, Robert D.: *See—*
  El-Sayed Lyla M.; Schmidt, Steven P.; Trout, Torence J.; and Mitchell, Robert D., 4,798,778, Cl. 430-115.000.
Mitchell, Rodger. Readily adjustable grip enhancing gripping glove. 4,796,306, 1-10-89, Cl. 2-160.000.
Mitchell, Roger E. Digital meter. 4,804,908, 2-14-89, Cl. 324-115.000.
Mitchell, Roy O.; Klaudt, Milton D.; and Ullom, Kathleen F. M., to Tektronix, Inc. Remote video interconnect and method. 4,876,484, 10-24-89, Cl. 315-94.000.
Mitchell, Stephen C.: *See—*
  Lower, William E.; McCauley, W. Nash; Mitchell, Stephen C.; Robins, Roger C.; and Schmidt, Steven A., 4,802,591, Cl. 209-680.000.
Mitchell, Stephen W., to National Research Development Corporation. Driving connections between two rotatable bodies. 4,872,428, 10-10-89, Cl. 123-90.170.
Mitchell, Terrance R., to Rocketbal, Inc. Combination of a flexible handle and a ball. 4,867,451, 9-19-89, Cl. 273-58.00C.
Mitchell, Terry B.: *See—*
  Mowry, Greogory S.; Mitchell, Terry B.; Tolman, Charles H.; and George, Peter K., 4,821,133, Cl. 360-113.000.
Mitchell, Terry L.; and Spoolstra, Lawrence J., to Architectural Wall Systems, Inc. Floor-to-ceiling wall system. 4,798,035, 1-17-89, Cl. 52-281.000.
Mitchell, Terry L.; Sutton, Fredrick E.; and Sutton, Todd A., to G. A. Richards Company. Drawer interlock. 4,889,396, 12-26-89, Cl. 312-221.000.
Mitchell, Thomas: *See—*
  Hallock, Robert B.; Manzik, Stephen J.; Mitchell, Thomas; and Hui, Benjamin C., 4;847,399, Cl. 556-1.000.
Mitchell, Thomas A.: *See—*
  Bennett, John E.; Novak, Donald S.; and Mitchell, Thomas A., 4,880,517, Cl. 204-196.000.
Mitchell, Thomas M.: *See—*
  Kulli, John; Mitchell, Thomas M.; and Brown, Arthur E., 4,807,170, Cl. 364-413.010
Mitchell, Thomas P.: *See—*
  Toma, Daniel N.; and Mitchell, Thomas P., 4,817,297, Cl. 34-133.000.
Mitchell, Tom; Williams, Gary L.; and Haner, Richard V., to Compaq Computer Corporation. Adjustable display panel for portable computer. 4,832,419, 5-23-89, Cl. 312-7.200.
Mitchell, Tonia L. Infant care apron. 4,873,725, 10-17-89, Cl. 2-48.000.
Mitchell Well Service, Inc.: *See—*
  Mitchell, Art; and Mitchell, Mark T., 4,828,291, Cl. 285-39.000.
Mitchell, William A.: *See—*
  Mitchell, Cheryl R.; Mitchell, Pat R.; and Mitchell, William A., 4,876,096, Cl. 426-28.000.
Mitchell, William D. Animal excrement dissolver. 4,863,108, 9-5-89, Cl. 241-168.000.
Mitchell, William F.: *See—*
  Pisacane, Louis F.; and Mitchell, William F., 4,818,001, Cl. 292-304.000.
Mitchell, William L.: *See—*
  Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; and Mitchell, William L., 4,822,881, Cl. 540-603.000.
  Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; Mitchell, William L.; and Price, Barry J., 4,859,662, Cl. 514-212.000.
Mitchen, Joel R. Non-invasive collection means and method. 4,844,00 7-4-89, Cl. 128-765.000.
Mitchener, James C., to Focus Semiconductor Systems, Inc. Low temperature chemical vapor deposition of silicon dioxide film. 4,845,054, 7-4-89, Cl. 437-238.000.
MITEC Moderne Industrietechnik GmbH: *See—*
  Mehnert, Walter, 4,807,149, Cl. 364-505.000.
  Mehnert, Walter; and Theil, Thomas, 4,854,709, Cl. 356-375.000.
  Mehnert, Walter, 4,873,518, Cl. 340-825.070.
MiTek Industries, Inc.: *See—*
  Jensen, Mark B., 4,825,621, Cl. 52-702.000.
  Lines, Jerry L., 4,840,207, Cl. 144-41.000.
  Lines, Jerry L., 4,846,923, Cl. 156-353.000.
  Yauger, James G.; and Rushton, John M., 4,802,786, Cl. 403-232.100.
Mitekura, Yoshihiro: *See—*
  Kogure, Masaaki; Mitekura, Yoshihiro; Matsuyama, Naoki; and Shinguryo, Satoshi, 4,857,908, Cl. 340-785.000.
Mitel Corp.: *See—*
  Aktik, Metin, 4,866,499, Cl. 357-30.000.
  David, Guy; Lacasse, Claude; Metivier, Christian; and Veillette, Luc, 4,866,594, Cl. 364-138.000.
  Gillingham, Peter; and Erkku, Jan H., 4,803,705, Cl. 375-120.000.
  Marshall, Scott; Tran, Thanh; and Milton, A. David, 4,843,617, Cl. 375-118.000.
  Meier, Rolf, 4,800,586, Cl. 379-399.000.
  Milton, A. David; and Stroobach, Jerry, 4,862,452, Cl. 370-62.000.
  Molnar, Gerald, 4,887,293, Cl. 379-164.000.
  Plante, Manon, 4,857,480, Cl. 437-168.000.
  Reesor, Gordon J.; and Kuhn, Gerald. 4,796,287, Cl. 379-390.000.
  Roberts, Melvin J.; and Dea, Frank Y., 4,868,872, Cl. 379-386.000.
  Schingh, Pierre J., 4,803,721, Cl. 379-399.000.
  Skierszkan, Simon J., 4,799,022, Cl. 328-20.000.
  Sykora, Boleslav, 4,860,252, Cl. 364-900.000.
Mitel Telecom Limited: *See—*
  Carey, Michael J.; and Anderson, Adrian J., 4,866,732, Cl. 375-1.000.
Mitera, Masao: *See—*
  Suzuki, Kenji; Masumoto, Tsuyoshi; Ota. Nobuhiro; Okubo, Mik Mitera, Masao; Matsumoto, Akira; and Masuda, Shuji, 4,806,26 Cl. 252-62.630.
Mitiakoudis, Anastassios; and Gandini, Alessandro, to Stamicarbon B.V. Poly(p-phenylene-2,5-furandicarbonamide), anisotropic solution, filament, film thereof. 4,806,623, 2-21-89, Cl. 528-341.000.
Mitisubishi Denki Kabushiki Kaisha: *See—*
  Tutumi, Kazumichi, 4,879,908, Cl. 73-861.230.
  Yoshida, Yasuaki, 4,880,979, Cl. 250-338.400.
Mitlmeier, Norbert; and Koppmann, Bardo, to Siemens Aktiengesellschaft. Electromagnetic switchgear. 4,876,522, 10-24-89, Cl. 335-193.000.
Mitman, David: *See—*
  DiMarzio, Frank; and Mitman, David, 4,861,325, Cl. 493-124.000.
Mito, Ikuo, to NEC Corporation. Distributed feedback laser diode comprising an active layer partly adjacent to a waveguide layer. 4,799,226, 1-17-89, Cl. 372-45.000.
Mito, Jun: *See—*
  Kitami, Tetsu; and Mito, Jun, 4,862,923, Cl. 138-125.000.
  Kitami, Tetsu; and Mito, Jun, 4,880,036, Cl. 138-137.000.
  Kitami, Tetsu; and Mito, Jun, 4,881,576, Cl. 138-125.000.
Mito, Kazuhisa: *See—*
  Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Mito, Kazuhisa, 4,825,104, Cl. 307-355.000.
Mito, Nobuaki: *See—*
  Arai, Kenji; Morita, Kouichi; Mito, Nobuaki; and Hirata, Naomi, 4,888,042, Cl. 71-88.000.
  Mizutani, Masato; Shiroshita, Masao; Sakaki, Masaharu; Okada, Hiroki; and Mito, Nobuaki, 4,875,924, Cl. 71-92.000.
Mito, Yoshiki: *See—*
  Yanagi, Kenichi; Mito, Yoshiki; and Hayashi, Kanji, 4,869,310, Cl. 164-431.000.
Mito, Yoshio: *See—*
  Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; and Sanada, Yuji, 4,797,088, Cl. 431-15.000.
  Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,810,183, Cl. 431-150.000.
  Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,872,829, Cl. 431-33.000.
Mitobe, Keiichi, to Honda Giken Kogyo Kabushiki Kaisha. Independent rear wheel suspension. 4,832,363, 5-23-89, Cl. 280-690.000.
Mitoff, Stephan P.; Charles, Richard J.; and Pasco, Wayne D., to General Electric Company. Hermetic feedthrough in ceramic substrate. 4,833,039, 5-23-89, Cl. 428-552.000.

Mitoguchi, Fumio: *See—*
  Inaba, Yoshiharu; Mitoguchi, Fumio; and Tokunaga, Shigeo, 4,865,536, Cl. 425-556.000.
  Yoshiharu, Inaba; Mitoguchi, Fumio; Kamiguchi, Masao; and Tokunaga, Shigeo, 4,828,476, Cl. 425-150.000.
Mitoh, Kunihiko: *See—*
  Shimizu, Toshiyuki; Shimizu, Osamu; Tenmoku, Kenji; Mitoh, Kunihiko; and Honoki, Yasuhiro, 4,862,398, Cl. 364-571.050.
  Tenmoku, Kenji; Shimizu, Osamu; Shimizu, Toshiyuki; and Mitoh, Kunihiko, 4,807,127, Cl. 364-424.010.
Mitome, Hideto, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Visualizing method for three dimensional standing wave sound field. 4,878,210, 10-31-89, Cl. 367-137.000.
Mitome, Yukio, to NEC Corporation. Pole-zero analyzer. 4,845,754, 7-4-89, Cl. 381-35.000.
Mitomi, Michio, to Kabushiki Kaisha Toshiba. Method and system for controlling characteristics of gradient magnetic fields in magnetic resonance imaging apparatus. 4,862,084, 8-29-89, Cl. 324-309.000.
Mitomi, Mitsuo: *See—*
  Konno, Yutaka; Mitomi, Mitsuo; Sonobe, Takashi; and Yamaguchi, Shumpei, 4,842,577, Cl. 604-20.000.
  Konno, Yutaka; Kawata, Hiroitsu; Aruga, Masayoshi; Sonobe, Takashi; and Mitomi, Mitsuo, 4,879,119, Cl. 424-449.000.
Mitomi, Takashi; and Kubota, Hitoshi, to Matsushita Electric Industrial Co., Ltd. Control arrangement for an industrial robot. 4,803,640, 2-7-89, Cl. 364-513.000.
Mitomi, Takeshi: *See—*
  Iizuka, Yasuhiro; Inoue, Makoto; and Mitomi, Takeshi, 4,828,666, Cl. 204-255.000.
Mitomo, Haruhito: *See—*
  Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,796,208, Cl. 364-559.000.
  Kumagai, Chiaki; Juman, Shinji; Kimura, Yutaka; and Mitomo, Haruhito, 4,887,215, Cl. 364-431.040.
Mitomo, Mamoru, to National Institute for Researches in Inorganic Materials. Alpha-sialon powder and process for its production. 4,851,205, 7-25-89, Cl. 423-327.000.
Mitomo, Ryuji: *See—*
  Nakagawa, Susumu: Mitomo, Ryuji; and Ushijima, Ryosuke, 4,880,797, Cl. 514-206.000.
Mitono, Yoshiharu: *See—*
  Tanizawa, Tetsu; Mitono, Yoshiharu; and Omichi, Hitoshi, 4,868,630, Cl. 357-45.000.
Mitra, Sekhar, to Procter & Gamble Company, The. Oral compositions. 4,822,599, 4-18-89, Cl. 424-52.000
Mitra, Smarajit: *See—*
  Mitra, Sumita B.; and Mitra, Smarajit, 4,831,109, Cl. 528-125.000.
Mitra, Sumita B.; and Mitra, Smarajit, to Minnesota Mining and Manufacturing Company. Copolymerizable UV stabilizers. 4,831,109, 5-16-89, Cl. 528-125.000.
Mitra, Udayanath: *See—*
  Rossi, Barbara A.; and Mitra, Udayanath, 4,878,993, Cl. 156-643.000.
Mitre Corporation, The: *See—*
  Husbands, Charles R., 4,805,234, Cl. 455-607.000.
  Mundra, Anand D., 4,890,232, Cl. 364-439.000.
  Scales, Walter C., 4,856,028, Cl. 375-97.000.
  Tsuchiya, Paul F.; and Kirkman, W. Worth, 4,823,111, Cl. 340-825.050.
Mitrofanov, Vladislav V.: *See—*
  Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.
Mitsam, Reinwald, to Kurz, Leonard. Apparatus for applying an embossing foil to a flexible material. 4,802,949, 2-7-89, Cl. 156-540.000.
Mitsch, James M.: *See—*
  Morris, Robert A.; Mitsch, James M.; Panus, Irenaeus S.; Yu, Yuet-Ying; and Castonguay, Roger N., 4,803,774, Cl. 29-622.000.
Mitscher, Lester A.; and Chu, Daniel T., to Abbott Laboratories. Intermediates for preparation of racemate and optically active ofloxacin and related derivatives. 4,826,985, 5-2-89, Cl. 546-156.000.
Mitschik, Herbert: *See—*
  Hinrichs, Fritz; and Mitschik, Herbert, 4,818,965, Cl. 335-274.000
Mitschker, Alfred: *See—*
  Bruening, Wilhelm; Uchdorf, Rudolf; and Mitschker, Alfred, 4,853,191, Cl. 423-226.000.
  Hartung, Sigurd, deceased; Hartung-Merse, Birgit, heir; Beck, Uwe; Kappler, Ulrich; Mitschker, Alfred; and Grafe, Andreas, 4,885,418, Cl. 570-211.000.
Mitsuba Electric Manufacturing Co., Ltd.: *See—*
  Akutsu, Shigeru; and Tsuchiya, Kiyoshi, 4,859,894, Cl. 310-239.000.
  Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
  Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.
  Hosoya, Yukiteru, 4,870,309, Cl. 310-71.000.
  Kamiyama, Akira; and Maki, Tokio, 4,795,924, Cl. 310-67.00R.
  Kamiyama, Akira; Kimura, Yoshimasa; and Hosoya, Yukiteru, 4,806,025, Cl. 384-202.000.
  Kamiyama, Akira; Hongo, Nobuhisa; Matsuki, Toyomi; and Kanai, Kenji, 4,857,790, Cl. 310-234.000.
  Kamiyama, Akira; Yamagisawa, Nobuo; and Oshima, Nobuyuki, 4,861,238, Cl. 417-363.000.
  Kawazoe, Takashi; Tsuchiya, Kiyoshi; and Ioka, Hideyuki, 4,808,866, Cl. 310-68.00D.
  Kobayashi, Koji, 4,827,172, Cl. 310-216.000.
  Kurihara, Norimitsu; and Asakura, Masahiko, 4,885,692, Cl. 364-426.040.
  Mochizuki, Wataru; Ogino, Seiichi; and Takano, Hirohiko, 4,857,812, Cl. 318-15.000.
  Nakajima, Yasuyoshi; Umezawa, Takao; Momiyama, Takashi; and Inoue, Yoichi, 4,865,794, Cl. 264-278.000.
  Ogino, Seiichi, 4,870,409, Cl. 340-825.180.
  Sato, Masaei; and Hosoya, Yukiteru, 4,855,631, Cl. 310-239.000.
  Shirato, Masayoshi, 4,858,268, Cl. 15-250.210.
  Takahashi, Keiji; and Zennyoji, Mamoru, 4,821,561, Cl. 73-118.100.
  Takahashi, Yoshikazu; and Nishiyama, Toshio, 4,799,418, Cl 91-449.000.
  Tsuchiya, Kiyoshi; Ioka, Hideyuki; and Takahashi, Hideyuki, 4,841,182, Cl. 310-68.00D.
Mitsubishi Acetate Co., Ltd.: *See—*
  Mochida, Naoki; and Sawada, Hiroaki, 4,888,147, Cl. 264-207.000.
  Sakai, Takashi; Kitayama, Hiroshi; Yamamoto, Masamitu; and Mino, Takashi, 4,826,433, Cl. 433-136.000.
Mitsubishi Agricultural Machinery Co., Ltd.: *See—*
  Adachi, Hitoyuki; and Ozoe, Masahiro, 4,838,357, Cl. 172-43.000.
Mitsubishi Aluminum Co., Ltd.: *See—*
  Kudo, Hajime; Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,842,185, Cl. 228-183.000.
Mitsubishi Aluminum Kabushiki Kaisha: *See—*
  Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,861,681, Cl. 428-654.000.
  Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, 4,828,936, Cl. 428-650.000.
  Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.
Mitsubishi Belting Ltd.: *See—*
  Mashimo, Satoshi; Kitajima, Tatsuya; Tanaka, Masayuki; and Kuramoto, Shinji, 4,852,625, Cl. 152-511.000.
Mitsubishi Cable Industries, Ltd.: *See—*
  Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, 4,797,890, Cl. 372-46.000.
  Satake, Takeshi; and Imada, Yoshiyuki, 4,884,434. Cl. 73-7.000.
  Utsumi, Atsushi; Okuno, Shinichi; and Hayami, Hiroyuki, 4,867,529, Cl. 350-96.250.
Mitsubishi Chemical Industries Limited: *See—*
  Arita, Yoji, 4,812,692, Cl. 310-49.00R.
  Chida, Yukio; Nishimura, Tetsunhiko; and Oguri, Yasuo, 4,812,698, Cl. 310-330.000.
  Fujita, Hisanori; Kanayama, Masaaki; and Okano, Takeshi, 4,865,655, Cl. 148-33.000.
  Goko, Nobuaki; Uehara, Yumito; and Nishihara, Yasuhiro, 4,808,667, Cl. 525-247.000.
  Hara, Ryuichi; Kagizaki, Masami; Takakura, Tsuyoshi; and Tomono, Shigeki, 4,818,612, Cl. 428-367.000.
  Hasuo, Masayoshi; Mukai, Seiichi; Saito, Ryo; and Ikuhara, Isao, 4,840,981, Cl. 524-114.000.
  Hihara, Toshio; Shimizu, Yukiharu; and Shimizu, Kanzi, 4,843,150, Cl. 534-634.000.
  Hirahara, Takuji; Nakamura, Takashi; Aoyama, Yoshiko; and Maeda. Shuichi, 4,814,366, Cl. 524-89.000.
  Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
  Imahori, Seiichi; Himeno, Kiyoshi; and Yoshihara, Junji, 4,841,036, Cl. 534-761.000.
  Irie, Masahiro, 4,837,063, Cl. 428-64.000.
  Irie, Masahiro, 4,882,428, Cl. 540-121.000.
  Itagaki, Takaharu; Shiraga, Mitsuaki; Sawayama, Shigeru; and Satoh, Kohichi, 4,808,683, Cl. 526-307.200.
  Itagaki, Takaharu; Kusano, Hiroshi; Miyata, Eiji; and Tashiro, Takayuki, 4,863,972, Cl. 521-141.000.
  Kaneko, Tsugio; Ishikawa, Fumiya; Nishiyama, Yoshinobu; and Shibata, Toshiharu, 4,871,464, Cl. 210-682.000.
  Kato, Yoshiaki; and Hihara, Toshio, 4,841,029, Cl. 534-634.000.
  Kishiro, Osamu; Kasai, Atsushi; Nozawa, Seiichi; and Kamata, Hiroshi, 4,857,626, Cl. 528-176.000.
  Koga, Shinichiro; Miyamoto, Masaaki; and Nakanishi, Hidemi, 4,810,753, Cl. 525-183.000.
  Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akihara, Isao, 4,839,458, Cl. 528-196.000.
  Kondou, Tsutomu, 4,840,804, Cl. 426-103.000.
  Kuroda, Katsuhiko; and Yamanouchi, Hideki, 4,828,720, Cl. 210-782.000.
  Kuwata, Sinichi; Katoh, Hiromasa; and Ono, Mitsumasa, 4,802,957, Cl. 204-1.00T.
  Matsumoto, Susumu; Ohta, Hiroki; Yamada, Masahiro; Higashino, Yoshiaki; and Fukuchi, Toshiki, 4,877,804, Cl. 514-342.000.
  Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.
  Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Urashima, Hidetoshi, 4,840,540, Cl. 8-506.000.
  Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Kubo, Shinji, 4,841,057, Cl. 546-183.000.
  Miura, Konoe; Ochiai, Tameichi; and Kameyama, Yasuhiro, 4,859,563, Cl. 430-192.000

Miyamoto, Masaaki; Kamoshida, Eiichi; and Takida, Hiroshi, 4,795,781, Cl. 525-58.000.
Miyazawa, Chihiro; Mikami, Hiroshi; Tsuboi, Akio; and Hamano, Katsuhide, 4,822,917, Cl. 568-454.000.
Murao, Yoshikazu; Sawayama, Shigeru; and Satoh, Kohichi, 4,824,913, Cl. 525-344.000.
Murao, Yoshikazu; and Miyake, Masao, 4,837,337, Cl. 548-551.000.
Murata, Yukichi; and Maeda, Shuichi, 4,816,435, Cl. 503-227.000.
Murata, Yukichi; and Maeda, Shuichi, 4,829,049, Cl. 503-227.000.
Nakanishi, Shigetada; Teranishi, Yutaka; Nagahari, Kenji; Shibiu, Tatsurou; and Takamatsu, Ken, 4,851,349, Cl. 435-252.330.
Narita, Yoshihiro; Takimoto, Hiroshi; and Sano, Hideo, 4,808,192, Cl. 8-527.000.
Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.
Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; and Maeda, Shuichi, 4,801,696, Cl. 534-761.000.
Niwa, Toshio; Murata, Yukichi; and Maeda, Shuichi, 4,829,047, Cl. 503-227.000.
Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; Kurose, Yutaka; and Shimizu, Yukiharu, 4,837,309, Cl. 534-632.000.
Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, 4,840,959, Cl. 514-355.000.
Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.
Okano, Takeshi; Fujita, Hisanori; and Nishihara, Eiichiro, 4,865,682, Cl. 156-624.000.
Okushima, Hiromi; Narimatsu, Akihiro; Kobayashi, Makio; Furuya, Rikizo; and Kitada, Yoshimi, 4,822,797, Cl. 514-252.000.
Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, 4,810,805, Cl. 549-421.000.
Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
Shimizu, Shigeki; Oshima, Akinobu; Ide, Hiroshi, and Takahashi, Noriaki, 4,863,835, Cl. 430-331.000.
Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, 4,824,704, Cl. 428-36.920.
Suga, Yoshinori; Tanaka, Eiji; Maruyama, Yasuo; and Isobe, Eiji, 4,883,848, Cl. 526-124.000.
Tamaru, Akio; and Izumisawa, Yoshiaki, 4,877,900, Cl. 562-413.000.
Tamura, Mitsuhiko; Miyamoto, Masaaki; Ueda, Masaya; and Kamoshida, Eiichi, 4,804,720, Cl. 525-431.000.
Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoshi; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, 4,814,507, Cl. 564-336.000.
Wakatake, Koichi, 4,834,944, Cl. 422-64.000.
Yoshida, Katsuhira; and Kubo, Yuji, 4,873,332, Cl. 546-7.000.
Yoshimura, Shushichi; Ishizu, Makoto; Kobayashi, Hiromu; and Yamazaki, Hozo, 4,808,395, Cl. 423-447.300.
Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
Mitsubishi Corporation: *See—*
Satoh, Kou, 4,826,033, Cl. 220-85.00D.
Mitsubishi Denki Kabushiki Kaisha: *See—*
Abe, Shigeru; Nakamura, Yasuaki; and Kamei, Katsuyuki, 4,852,183, Cl. 382-34.000.
Adachi, Shigeru, 4,811,242, Cl. 364-519.000.
Akae, Yoshifumi; and Yabe, Tatuo, 4,821,588, Cl. 74-7.00A.
Akae, Yoshifumi; Yamamoto, Takasi; Arima, Koji; and Yagi, Tetsuo, 4,871,936, Cl. 310-233.000.
Akasu, Masahira, 4,811,714, Cl. 123-425.000.
Akita, Koichiro, 4,837,804, Cl. 379-88.000.
Akiyama, Satoshi; and Saito, Yuuichi, 4,827,444, Cl. 364-787.000.
Anami, Kenji; Ichinose, Katsuki; and Wada, Tomohisa, 4,879,690, Cl. 365-201.000.
Ando, Hideki; Kondo, Harufusa; and Machida, Hirohisa, 4,811,267, Cl. 364-736.000.
Ando, Hideki; and Nakabayashi, Takeo, 4,816,701, Cl. 307-362.000.
Ando, Hideki; and Machida, Hirohisa, 4,821,225, Cl. 364-736.500.
Ando, Hideki; and Nakabayashi, Takeo, 4,866,310, Cl. 307-480.000.
Ando, Hiroshi; and Takagi, Yoshio, 4,796,076, Cl. 357-65.000.
Andou, Nobuyoshi; and Imai, Hitoshi, 4,861,139, Cl. 350-255.000.
Anzai, Yoshinori; Saikatsu, Takeo; Saito, Masato; and Tsuchihashi, Michihiro, 4,837,478, Cl. 313-112.000.
Aoki, Hideki; Murata, Mitsuru; and Sakamoto, Hirotaka, 4,879,503, Cl. 318-809.000.
Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
Aoki, Shin-ichi, 4,806,714, Cl. 200-144.00B.
Arakawa, Takahiko, 4,825,273, Cl. 357-42.000.
Araki, Hiroshi, 4,847,744, Cl. 363-49.000.
Arima, Hideaki; and Kobayashi, Kiyoteru, 4,866,493, Cl. 357-23.500.
Arimoto, Kazutami; and Furutani, Kiyohiro, 4,829,484, Cl. 365-222.000.
Arimoto, Kazutami; and Furutani, Kiyohiro, 4,860,070, Cl. 357-23.600.
Arinobu, Ichirou; and Hatakeyama, Yoshihiro, 4,814,935, Cl. 361-96.000.
Arinobu, Ichirou, 4,819,124, Cl. 361-97.000.
Arinobu, Ichirou; and Hatakeyama, Yoshihiro, 4,819,125, Cl. 361-97.000.
Asakura, Masakatsu, 4,853,664, Cl. 336-12.000.
Asami, Kazutomo; Yamada Hidehiko; and Shimizu, Nobuhiro, 4,830,582, Cl. 417-312.000.
Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
Asayama, Yoshiaki, 4,829,964, Cl. 123-463.000.
Asayama, Yoshiaki, 4,872,437, Cl. 123-463.000.
Aso, Hiroaki, 4,864,974, Cl. 123-41.310.
Azuma, Kenkoku, 4,849,178, Cl. 422-69.000.
Azuma, Kenkoku; and Sakaki, Masaaki, 4,861,620, Cl. 427-53.100.
Baba, Fumiaki, 4,880,591, Cl. 264-327.000.
Baba, Hiroshi, 4,827,362, Cl. 360-77.040.
Baba, Kazuyuki, 4,807,122, Cl. 364-200.000.
Badono, Shinji; Komaru, Masaki; and Tomoda, Toshimasa, 4,817,122, Cl. 378-88.000.
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,838,804, Cl. 439-325.000.
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,864,116, Cl. 235-492.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,868,713, Cl. 361-392.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; Onoda, Shigeo; and Kasatani, Yasushi, 4,868,714, Cl. 361-395.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,890,197, Cl. 361-392.000.
Banjoya, Nagatoshi, 4,864,267, Cl. 336-210.000.
Benii, Toshihiko; and Yoshimoto, Kyosuke, 4,812,726, Cl. 318-640.000.
Chiba, Kazuhiro; and Bamba, Noriko, 4,887,150, Cl. 358-80.000.
Chonan, Katsuhiko, 4,859,924, Cl. 318-808.000.
Doi, Makoto; Nakajima, Hiroyukio; Miyamoto, Fumiyuki; Oka, Seiji; and Nonogaki, Mitsuhiro, 4,882,389, Cl. 525-310.000.
Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yasuo; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.
Edajima, Toshikazu, 4,802,379, Cl. 74-502.600.
Egami, Noritaka, 4,872,183, Cl. 375-3.000.
Eguchi, Koji, 4,849,854, Cl. 361-313.000.
Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.
Endo, Kazuhito; Ishida, Masayuki; and Ishida, Yoshinobu, 4,835,627, Cl. 360-32.000.
Enomoto, Hiroshi, 4,829,400, Cl. 361-341.000.
Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, 4,887,436, Cl. 62-155.000.
Eshima, Taizo; Yasutake, Kunihiro; and Yamasaki, Katsuhiko, 4,885,837, Cl. 29-564.000.
Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, 4,882,556, Cl. 335-8.000.
Fujii, Noriaki; Kitamura, Mamoru; and Yamada, Akira, 4,798,946, Cl. 235-492.000.
Fujii, Noriaki, 4,820,186, Cl. 439-326.000.
Fujii, Toshifumi; and Kikuchi, Jun, 4,809,097, Cl. 360-9.100.
Fujimoto, Akihiko, 4,839,817, Cl. 364-474.320.
Fujimoto, Akihiko, 4,862,379, Cl. 364-474.110.
Fujimoto, Akihiko, 4,885,695, Cl. 364-474.230.
Fujimoto, Hitoshi; and Masuda, Hisao, 4,877,173, Cl. 228-1.100.
Fujimoto, Takanori; Hara, Toshiro; and Komurasaki, Satoshi, 4,856,479, Cl. 123-425.000.
Fujimoto, Tsunetomo, 4,827,379, Cl. 361-428.000.
Fujimura, Takeo, 4,887,010, Cl. 315-370.000.
Fujino, Yasuhiro; Terai, Masayuki; Noda, Tomoyoshi; and Ajioka, Yoshihide, 4,835,705, Cl. 364-491.000.
Fujishima, Kazuyasu, 4,839,864, Cl. 365-200.000.
Fujita, Teruo, 4,888,757, Cl. 369-46.000.
Fujitsuka, Masashi, 4,838,020, Cl. 60-39.070.
Fukumoto, Hiroshi; Namura, Koji; Naruki, Kenichi; and Um Ryuzo, 4,878,772, Cl. 400-120.000.
Fukumoto, Shintaro, 4,804,879, Cl. 313-361.100.
Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.
Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, 4,819,110, Cl. 360-106.000.
Furuishi, Yoshiro; Suganami, Takuya; and Fujiwara, Michio, 4,811,563, Cl. 60-517.000.
Furuno, Kenichi; Tooko, Yoshio; and Nonami, Takayuki, 4,819,174, Cl. 364-444.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,817,256, Cl. 365-200.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,849,938, Cl. 371-10.000.
Furutani, Kiyohiro; and Arimoto, Kazutami, 4,858,183, Cl. 365-203.000.
Furutani, Kiyohiro; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Matsuda, Yoshio, 4,873,66, Cl. 365-189.010.

Goto, Katsuhiko; and Namizaki, Hirofumi, 4,809,289, Cl. 372-46.000.
Goto, Shigeru, 4,832,169, Cl. 198-326.000.
Hagiwara, Ippei; Tamura, Etsuo; and Yasumoto, Kazuhiro, 4,814,914, Cl. 360-98.080.
Hamada, Takashi; Hino, Teruyuki; Nodama, Takashi; and Matsuoka, Hiroshi, 4,796,842, Cl. 248-186.000.
Hameno, Hisanori, 4,825,411, Cl. 365-189.000.
Hanakawa, Kazushi; and Yoda, Kiyoshi, 4,868,502, Cl. 324-309.000.
Hani, Kiyoshi; Takei, Takako; Kodama, Minekazu; and Watanabe, Takahiko, 4,885,058, Cl. 162-145.000.
Hara, Kazuhiko; Ueguri, Shigeo; Iwata, Akihiko; Okamoto, Tatsuki; and Ueda, Yoshihiro, 4,815,091, Cl. 372-56.000.
Hara, Toshiro; Fujimoto, Takanori; and Musa, Ikuo, 4,875,452, Cl. 123-488.000.
Hara, Zenichiro; and Tanaka, Toshiji, 4,833,542, Cl. 358-230.000.
Hara, Zenichiro, 4,870,324, Cl. 315-169.100.
Harada, Shigeru; Noguchi, Takeshi; and Mochizuki, Hiroshi, 4,867,859, Cl. 204-298.000.
Haruyama, Tetsuo; Shiramatsu, Kuniaki; Udagawa, Shigeo; and Yoshikawa, Yukihiro, 4,835,540, Cl. 343-700.0MS.
Hasegawa, Tadashi, 4,809,107, Cl. 360-106.000.
Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, 4,811,265, Cl. 364-730.000.
Hashimoto, Masahide; Kurisu, Yoshitaka; Suenaga, Hiroshi; and Katou, Akio, 4,807,448, Cl. 62-376.000.
Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.
Hashinoki, Kazuhiro; and Dairiki, Kenichi, 4,800,757, Cl. 73-597.000.
Hashizume, Atsushi, 4,858,587, Cl. 123-631.000.
Hata, Toshihiko; and Horiuchi, Kaoru, 4,805,127, Cl. 364-521.000.
Hata, Yasuaki; Yasukawa, Takeshi; and Onishi, Masayoshi, 4,888,551, Cl. 324-208.000.
Hattori, Michinobu; Fujisawa, Hidemitsu; and Kusaura, Akio, 4,877,667, Cl. 428-64.000.
Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, 4,798,769, Cl. 428-460.000.
Hibino, Masahiro, 4,815,133, Cl. 381-24.000.
Hidaka, Hideto; Fujishima, Kazuyasu; Ozaki, Hideyuki; and Hirayama, Kazutoshi, 4,835,743, Cl. 365-193.000.
Hidaka, Hideto; Fujishima, Kazuyasu; and Matsuda, Yoshio, 4,890,261, Cl. 365-73.000.
Higashi, Kazuhiko, 4,885,494, Cl. 310-211.000.
Hirai, Hayao, 4,811,303, Cl. 365-189.000.
Hirai, Hayao, 4,881,021, Cl. 318-569.000.
Hiramoto, Seigo; Hamada, Osamu; Morita, Takeshi; and Ohmine, Megumi, 4,816,293, Cl. 427-53.100.
Hirao, Tadashi, 4,803,174, Cl. 437-31.000.
Hirao, Tadashi, 4,812,417, Cl. 437-31.000.
Hirayama, Kazutoshi; Ozaki, Hideyuki; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,833,650, Cl. 365-225.700.
Hirayama, Makoto, 4,802,842, Cl. 432-5.000.
Hirayama, Makoto, 4,822,756, Cl. 437-247.000.
Hirono, Tetsuro; and Shinada, Mikio, 4,828,415, Cl. 400-605.000.
Hirooka, Hiroshi; Saito, Takeshi; and Urabe, Hirobumi, 4,843,671, Cl. 8-159.000.
Hirose, Kenji; Sugishima, Eiichi; and Daijyo, Masakatsu, 4,819,157, Cl. 363-56.000.
Hisa, Yoshihiro, 4,801,991, Cl. 357-30.000.
Hisatsune, Fumiyuki; Fujii, Hiroshi; Yamagata, Shinji; and Kobayashi, Yoshiaki, 4,866,226, Cl. 200-147.00B.
Hisatsune, Fumiyuki; and Yamagata, Shinji, 4,885,441, Cl. 200-144.00R.
Hokuyo, Shigeru, 4,846,896, Cl. 136-255.000.
Hongo, Katsunobu; Suda, Shinji; Kobayashi, Hiroshi; and Shichinohe, Daisuke, 4,814,741, Cl. 340-825.650.
Honjo, Yoshihisa; and Okuda, Hiroshi, 4,844,034, Cl. 123-424.000.
Honma, Hidetoshi; and Morihara, Kenji, 4,825,189, Cl. 246-166.100.
Horiba, Yasutaka; Nakaya, Masao; and Ikea, Yuto, 4,804,848, Cl. 250-394.000.
Hosomi, Mamoru; and Yonezawa, Takashi, 4,851,622, Cl. 200-148.00A.
Hosono, Kunihiro, 4,887,283, Cl. 378-35.000.
Hyakutake, Junichi, 4,859,872, Cl. 307-269.000.
Hyakutake, Junichi, 4,884,141, Cl. 358-174.000.
Hyodo, Kenji; Koezuka, Hiroshi; and MacDiarmid, Alan G., 4,873,556, Cl. 357-8.000.
Ichinose, Katsuki, 4,831,590, Cl. 365-189.050.
Idei, Toshio; and Mizutani, Yoshiki, 4,811,085, Cl. 358-22.000.
Iijima, Kenji, 4,837,706, Cl. 364-518.000.
Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, 4,799,037, Cl. 335-46.000.
Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi; and Moriwaki, Hideaki, 4,808,953, Cl. 335-42.000.
Iio, Tukasa; and Egusa, Sumio, 4,825,336, Cl. 361-355.000.
Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, 4,817,332, Cl. 47-17.000.
Ikeda, Shingo, 4,853,761, Cl. 357-72.000.
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,807,252, Cl. 375-53.000.
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,841,547, Cl. 375-53.000.
Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki. 4,849,990, Cl. 375-40.000.
Ikegami, Kazunori; Okuda, Souitirou; Yamada, Tadatoshi; Yamamoto, Shunji; and Matsuda, Tetsuya, 4,806,871, Cl. 328-235.000.
Ikejima, Hiroyuki, 4,815,567, Cl. 187-119.000.
Ikejima, Satomi; and Iwata, Shigemi, 4,832,159, Cl. 187-129.000.
Ikeno, Masahiko; and Saeki, Hideo, 4,821,675, Cl. 118-667.000.
Ikeno, Masahiko; Kawashima, Hiroshi; and Kaneda, Osamu, 4,886,012, Cl. 118-667.000.
Imai, Hitoshi; Arai, Ryuichiro; Koyanagi, Kimiyuki; and Tadokoro, Michihiro, 4,841,507, Cl. 369-44.000.
Imai, Hitoshi; Okada, Kazuo; and Tadokoro, Michihiro, 4,876,666, Cl. 365-106.000.
Inoue, Osamu, 4,847,711, Cl. 360-96.500.
Inoue, Yasuo; and Ikeda, Takeshi, 4,802,760, Cl. 356-31.000.
Inoue, Yasuo, 4,812,036, Cl. 356-32.000.
Inoue, Yasuo, 4,874,718, Cl. 437-62.000.
Ishii, Kazuhiro, 4,847,725, Cl. 361-96.000.
Ishii, Kazuhiro, 4,849,848, Cl. 361-96.000.
Ishii, Kazuhiro, 4,858,058, Cl. 361-96.000.
Ishii, Kazuhiro, 4,860,153, Cl. 361-94.000.
Ishii, Kazuhiro, 4,862,312, Cl. 361-96.000.
Ishii, Kazuhiro, 4,866,558, Cl. 361-96.000.
Ishii, Kazuhiro, 4,873,603, Cl. 361-96.000.
Ishii, Mitsuaki; and Miyazaki, Masaaki, 4,837,454, Cl. 307-10.100.
Ishii, Mitsuaki; Miyazaki, Masaaki; and Matsunaga, Takahiro, 4,885,691, Cl. 364-424.040.
Ishii, Tatsuya, 4,884,121, Cl. 357-68.000.
Ishikawa, Norio, 4,874,907, Cl. 174-68.500.
Ishizu, Akira; Nishimura, Tadashi; and Inoue, Yasuo, 4,822,751, Cl. 437-173.000.
Isozumi, Shuzo; Odahara, Kazuhiro; and Tanaka, Toshinori, 4,808,836, Cl. 290-48.000.
Isozumi, Shuzo; and Tanaka, Toshinori, 4,868,407, Cl. 290-48.000.
Isozumi, Shuzoo; and Odawara, Kazuhiro, 4,800,766, Cl. 74-7.00E.
Isozumi, Shuzoo; and Tanaka, Toshinori, 4,853,570, Cl. 310-78.000.
Isozumi, Shuzoo; and Konishi, Keiichi, 4,862,027, Cl. 310-99.000.
Isozumi, Shuzoo; Odawara, Kazuhiro; and Tanaka, Toshinori, 4,868,442, Cl. 310-239.000.
Isozumi, Shuzoo, 4,881,416, Cl. 74-7.00A.
Isozumi, Shuzoo, 4,890,026, Cl. 310-233.000.
Isshiki, Kunihiko; Murakami, Takashi; and Susaki, Wataru, 4,815,082, Cl. 372-45.000.
Itagaki, Hidenobu, 4,841,247, Cl. 324-309.000.
Ito, Haruhiko; Shibata, Yoshio; and Banzai, Masato, 4,806,721, Cl. 219-69.00W.
Ito, Haruhiko; Shibata, Yoshio; Banzai, Masato; and Yatomi, Takeshi, 4,839,487, Cl. 219-69.120.
Ito, Hiroki, 4,799,454, Cl. 118-723.000.
Ito, Kazuhiko, 4,843,024, Cl. 437-41.000.
Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.
Itoh, Hiroki, 4,805,555, Cl. 118-719.000.
Itoh, Hiromi, 4,839,196. Cl. 427-53.100.
Itoh, Sakae, 4,807,114, Cl. 364-200.000.
Itoh, Tetsuroh, 4,798,929, Cl. 219-69.00W.
Iwabuchi, Osamu; and Hama, Hiroyuki, 4,846,695, Cl. 439-17.000.
Iwabuchi, Tadashi; and Kawakami, Takeshi, 4,836,769, Cl. 428-377.000.
Iwaki, Yoshiyuki; Matsumoto, Akio; and Seki, Kimiaki, 4,824,336, Cl. 417-415.000.
Iwaksaki, Masahiko, 4,839,795, Cl. 364-200.000.
Iwata, Masanari, 4,840,090, Cl. 74-804.000.
Iwata, Masanari, 4,864,888, Cl. 74-640.000.
Iwata, Masanari, 4,879,499, Cl. 318-568.160.
Iwata, Shigemi; and Ikejima, Hiroyuki, 4,817,761, Cl. 187-116.000.
Iwata, Toshio, 4,848,304, Cl. 123-609.000.
Iwatani, Shiro; and Tokugawa, Kazuya, 4,803,377, Cl. 290-38.00R.
Iwatani, Shiro, 4,812,732, Cl. 322-99.000.
Kagawa, Hitoshi; and Hattori, Ryo, 4,852,112, Cl. 372-49.000.
Kajikawa, Yasutomo, 4,824,805, Cl. 437-228.000.
Kakimoto, Syoichi, 4,888,782, Cl. 372-46.000.
Kakuda, Masatoshi; Kawamura, Chiaki; and Baba, Hiroshi, 4,831,475, Cl. 360-97.030.
Kakuda, Masayuki; and Morishita, Etsuo. 4,815,951, Cl. 418-15.000.
Kakuda, Masayuki; and Morishita, Etsuo, 4,865,531, Cl. 418-55.000.
Kamiyama, Isao, 4,847,743, Cl. 363-41.000.
Kanamori, Osamu, 4,889,222, Cl. 198-328.000.
Kaneyuki, Kazutoshi; and Iwatani, Shiro, 4,839,576, Cl. 322-25.000.
Kaneyuki, Kazutoshi, 4,843,267, Cl. 310-68.00D.
Kanno, Yoshiaki; Nakamoto, Katsuya; and Sumitani, Jiro, 4,805,577, Cl. 123-488.000.
Kanno, Yoshiaki; and Nishiyama, Ryoji, 4,854,285, Cl. 123-418.000.
Kanno, Yoshiaki; and Sumitani, Jiro, 4,864,995, Cl. 123-422.000.
Kataoka, Michio; and Higashino, Shigenori, 4,805,063, Cl. 361-16.000.
Katayama, Koji, 4,866,317, Cl. 310-89.000.
Kato, Hisao, 4,817,017, Cl. 364-513.000.
Kato, Hisao, 4,834,440, Cl. 294-86.400.
Kato, Hisao, 4,841,210, Cl. 318-568.240.
Kato, Hisao, 4,865,512, Cl. 414-680.000.
Kato, Hisao, 4,868,473, Cl. 318-568.230.
Kato, Hisao, 4,887,014, Cl. 318-568.110.
Kato, Kiyotaka; and Oshima, Michitaka, 4,875,033, Cl. 340-706.000.
Kato, Sumio, 4,888,642, Cl. 358-160.000.

Katsuragi, Yoshio; and Ohta, Hatsuo, 4,808,896, Cl. 318-436.000.
Kawabata, Akira; Terasaki, Yoshikazu; Inoue, Takashi; and Takita, Hidenori, 4,876,479, Cl. 313-440.000.
Kawabata, Takao; Miyashita, Takeshi; and Yamamoto, Yushin, 4,823,251, Cl. 363-95.000.
Kawada, Junji, 4,837,650, Cl. 360-106.000.
Kawagoe, Yasuyuki; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,811,690, Cl. 118-723.000.
Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,834,137, Cl. 137-557.000.
Kawai, Hiroyuki; and Nakagawa, Shinichi, 4,877,974, Cl. 307-269.000.
Kawai, Joji, 4,835,675, Cl. 364-200.000.
Kawai, Kiyoji, 4,809,817, Cl. 187-107.000.
Kawakami, Youichi, 4,885,588, Cl. 342-51.000.
Kawashimo, Hiroshi; Nakagawa, Kouichi; and Shimomura, Kou, 4,824,801, Cl. 437-187.000.
Kazama, Kouji, 4,858,038, Cl. 360-69.000.
Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,822,390, Cl. 62-6.000.
Kazumoto, Yoshio; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,856,283, Cl. 62-6.000.
Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,872,313, Cl. 62-6.000.
Kegasa, Koyo; Murai, Takafumi; Yamanaka, Osamu; and Fujii, Takeshi, 4,797,637, Cl. 331-4.000.
Kihara, Yuji, 4,805,153, Cl. 365-230.000.
Kikuchi, Hiroaki; Asano, Kenichi; Tanno, Okikazu; and Goda, Naofumi, 4,809,067, Cl. 358-135.000.
Kikuda, Shigeru; and Miyamoto, Hiroshi, 4,879,679, Cl. 365-149.000.
Kimata, Masafumi, 4,803,709, Cl. 377-58.000.
Kimata, Masafumi, 4,808,834, Cl. 250-578.000.
Kimata, Masafumi; and Tsubouchi, Natsuro, 4,809,048, Cl. 357-24.000.
Kimata, Masafumi; Yamawaki, Masao; and Asai, Sotoju, 4,831,426, Cl. 357-24.000.
Kimura, Masatoshi, 4,889,495, Cl. 439-60.000.
Kimura, Tadashi; Inaba, Tsutomu; Sugihara, Masahiro; and Kobayashi, Norihide, 4,824,344, Cl. 418-55.000.
Kinoshita, Takashi, 4,818,889, Cl. 290-48.000.
Kinoshita, Takashi, 4,860,604, Cl. 74-7.00E.
Kishida, Satoru; Sakashita, Kazuhiro; and Tomioka, Ichiro, 4,864,579, Cl. 371-22.300.
Kishimoto, Kazuo, 4,855,998, Cl. 370-86.000.
Kishimoto, Yuji; and Uchinami, Masanobu, 4,884,540, Cl. 123-339.000.
Kitamura, Shigeharu; and Sugita, Kazuhiko, 4,805,763, Cl. 198-332.000.
Kitamura, Shigeharu, 4,809,841, Cl. 198-330.000.
Kitamura, Yutaka; and Aso, Hiroaki, 4,818,906, Cl. 310-58.000.
Kitamura, Yutaka; and Kaneyuki, Kazutoshi, 4,849,665, Cl. 310-68.00D.
Kitamura, Yutaka; and Aso, Hiroaki, 4,870,307, Cl. 310-54.000.
Kitano, Mamoru, 4,832,157, Cl. 187-1.00R.
Kitora, Takatsugu; and Taki, Youichirou, 4,814,645, Cl. 307-456.000.
Kiyokawa, Morio; and Fujimoto, Akihiko, 4,797,811, Cl. 364-200.000.
Kiyokawa, Morio; and Fujimoto, Akihiko, 4,825,382, Cl. 364-474.010.
Kobayashi, Hiroshi; Suda, Shinji; and Hongo, Katsunobu, 4,833,467, Cl. 340-825.640.
Kobayashi, Kazuo; Nakayama, Takeshi; and Terada, Yasushi, 4,811,294, Cl. 365-189.000.
Kobayashi, Kazuo; Terada, Yasushi; and Nakayama, Takeshi, 4,813,018, Cl. 365-185.000.
Kobayashi, Norihide; Inaba, Tsutomu; Kimura, Tadashi; and Sugihara, Masahiro, 4,874,302, Cl. 418-55.000.
Kobayashi, Tetsuo; and Hayakawa, Masaharu, 4,890,169, Cl. 360-10.300.
Kobayashi, Toshifumi, 4,818,904, Cl. 307-594.000.
Kobayashi, Toyohiro; Otsuka, Nobuo; Thompson, Peter; and Stratton, Larry J., 4,795,088, Cl. 236-49.000.
Kobayashi, Toyohiro; Otsuka, Nobuo; and Thompson, Peter, 4,811,897, Cl. 236-49.000.
Kobayashi, Yoshiharu, 4,827,175, Cl. 310-268.000.
Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, Cl. 123-617.000.
Kodama, Seiki; and Murata, Shigemi, 4,887,572, Cl. 123-414.000.
Kohara, Masanobu; and Shibata, Hiroshi, 4,799,093, Cl. 357-23.600.
Kohayakawa, Hirokazu; Hirahara, Takuho; and Yamamoto, Takashi, 4,826,409, Cl. 418-63.000.
Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,783, Cl. 372-44.000.
Kojima, Masanori, 4,862,118, Cl. 333-14.000.
Koki, Nakatsuka, 4,796,031, Cl. 342-148.000.
Kokubo, Yoshihiro; and Susaki, Wataru, 4,797,895, Cl. 372-43.000.
Komori, Shinji; Takata, Hidehiro; Tamura, Toshiyuki; and Asai, Fumiyasu, 4,882,704, Cl. 364-900.000.
Komurasaki, Keiichi; and Hayashi, Hideyuki, 4,835,428, Cl. 310-68.00D.
Komurasaki, Satoshi, 4,862,863, Cl. 123-645.000.
Komurasaki, Satoshi, 4,869,095, Cl. 73-35.000.
Komurasaki, Satosi, 4,840,158, Cl. 123-419.000.
Kondo, Shigeki, 4,889,015, Cl. 74-866.000.
Kondou, Harufusa; and Ando, Hideki, 4,810,995, Cl. 340-146.200
Kondou, Harufusa; and Ando, Hideki, 4,860,235, Cl. 364-716.000
Kondou, Harufusa; and Kuranaga, Hiroshi, 4,876,466, C 307-465.000.
Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masak Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsum 4,809,230, Cl. 365-189.000.
Konno, Tsukasa, 4,847,777, Cl. 364-474.340.
Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hir Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, C 350-320.000.
Koto, Shingo, 4,806,894, Cl. 335-214.000.
Koyama, Tsunehiro, 4,841,173, Cl. 307-456.000.
Koyama, Tsunehiro, 4,860,065, Cl. 357-15.000.
Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohg Shinichi, 4,886,136, Cl. 180-79.100.
Kubo, Tsutomu; Asano, Kenichi; Kikuchi, Hiroaki; and Susuk Mitsuyoshi, 4,837,632, Cl. 358-222.000.
Kuchiki, Kiyoshi, 4,888,534, Cl. 318-567.000.
Kumabe, Hisao; and Susaki, Wataru, 4,841,532, Cl. 372-45.000
Kumabe, Hisao; and Susaki, Wataru, 4,883,771, Cl. 437-129.000
Kumabe, Hisao, 4,890,292, Cl. 372-415.000.
Kumamoto, Toshio; and Nakaya, Masao, 4,827,262, C 341-158.000.
Kuno, Kazuo, 4,841,269, Cl. 335-299.000.
Kuno, Kazuo, 4,848,135, Cl. 72-371.000.
Kuramitsu, Yoichi; and Arakawa, Takahiko, 4,853,757, C 357-45.000.
Kuramoto, Satoru, 4,864,203, Cl. 318-563.000.
Kuramoto, Satoru, 4,869,089, Cl. 72-13.000.
Kuriyama, Hirotada; Wada, Tomohisa; and Murakami, Shig 4,811,155, Cl. 361-56.000.
Kusakabe, Kenji, 4,876,224, Cl. 437-228.000.
Kuwashiro, Yutaka, 4,809,234, Cl. 365-230.000.
Machida, Hirohisa; and Nakabayashi, Takeo, 4,827,157, C 307-262.000.
Maeda, Nobuaki, 4,835,641, Cl. 360-104.000.
Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuch Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, C 118-52.000.
Maekawa, Hirotoshi, 4,862,371, Cl. 364-431.110.
Maeno, Hideshi; and Tada, Tetsuo, 4,813,043, Cl. 371-27.000
Magara, Takuji; and Suzuki, Toshio, 4,837,415, Cl. 219-69.00W
Majumdar, Gourab, 4,841,345, Cl. 357-23.400.
Mashiko, Koichiro; Arimoto, Kazutami; Furutani, Kiyohiro; Ma tsumoto, Noriaki; and Matsuda, Yoshio, 4,833,653, C 365-203.000.
Matsuda, Fumio; and Ozaki, Minoru, 4,858,235, Cl. 371-38.000
Matsuda, Hikaru, 4,858,013, Cl. 358-213.170.
Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemur Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, C 236-94.000.
Matsuda, Kenji; Togashi, Kenji; Umemura, Hiroyuki; Otak Tetsuji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,877,183, C 236-49.300.
Matsuda, Sadamu; Sakai, Kunito; and Takahama, Takah 4,812,420, Cl. 437-209.000.
Matsuda, Takashi; Suzuki, Ryozo; Iwai, Shingo; and Ikeda, Ryoj 4,822,258, Cl. 417-423.300.
Matsuda, Yoshio; Miyatake, Hideshi; and Fujishima, Kazuyas 4,811,304, Cl. 365-233.000.
Matsuda, Yoshio; Mashiko, Koichiro; Arimoto, Kazutami; Matsumoto, Noriaki; and Furutani, Kiyohiro, 4,833,518, Cl. 357-45.000
Matsuda, Yoshio; and Fujishima, Kazuyasu, 4,833,645, C 365-149.000.
Matsuda, Yoshio; and Fujishima, Kazuyasu, 4,887,136, C 357-23.600.
Matsugi, Tetsuzo; Inaba, Tsutomu; and Kobayashi, Norihi 4,795,324, Cl. 418-55.000.
Matsukawa, Takayuki, 4,835,591, Cl. 357-68.000.
Matsukawa, Takayuki, 4,847,673, Cl. 357-55.000.
Matsumoto, Hideo, 4,861,387, Cl. 136-256.000.
Matsumoto, Masahiro; Watanabe, Akira; Ohhashi, Kazuo; and Iwa Minoru, 4,845,709, Cl. 370-86.000.
Matsumoto, Noriaki; Mashiko, Koichiro; Arimoto, Kazuta Furutani, Kiyohiro; and Matsuda, Yoshio, 4,797,001, C 365-189.000.
Matsumoto, Osamu; Otani, Hichiro; Okaue, Yutaka; and Morig chi, Teruhiko, 4,815,317, Cl. 73-118.100.
Matsumoto, Osamu, 4,840,159, Cl. 123-585.000.
Matsumoto, Osamu; Sumida, Mamoru; and Moriguchi, Teruhi 4,866,981, Cl. 73-118.100.
Matsumoto, Osamu; and Maehara, Hirokazu, 4,870,944, C 123-585.000.
Matsumoto, Osamu; Sumida, Mamoru; and Maehara, Hiroka 4,880,207, Cl. 251-337.000.
Matsumura, Masami; Sasaki, Toshi; and Ohashi, Yutaka, 4,833,2 Cl. 200-19.0DR.
Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fukum Kazumi; and Takeya, Hitoshi, 4,886,971, Cl. 250-492.200.
Matsuno, Takeshi; and Iwata, Kazuo, 4,859,847, Cl. 250-239.000
Matsuo, Masahito; and Yoshida, Toyohiko, 4,796,175, C 364-200.000.

Matsuo, Masahito; and Yoshida, Toyohiko, 4,847,753, Cl. 364-200.000.
Matsuo, Masahito; and Yoshida, Toyohiko, 4,858,104, Cl. 364-200.000.
Matsuoka, Fumio, 4,831,836, Cl. 62-209.000.
Matsuyama, Jiro, 4,800,456, Cl. 360-109.000.
Matsuyama, Jiro, 4,873,888, Cl. 74-574.000.
Mihashi, Yutaka; Nagai, Yutaka; and Ikeda, Kenji, 4,841,535, Cl. 372-46.000.
Mimura, Munehiko, 4,854,920, Cl. 474-28.000.
Mitani, Tateki, 4,823,759, Cl. 123-568.000.
Mitsunaga, Tatsuo; and Miyoshi, Hideaki, 4,847,173, Cl. 429-41.000.
Miyaji, Wakaki, 4,825,180, Cl. 335-131.000.
Miyamoto, Hiroshi; and Yamada, Michihiro, 4,803,663, Cl. 365-189.000.
Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.
Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.
Miyatake, Hideshi, 4,890,011, Cl. 307-296.200.
Mizoguchi, Shoji, 4,802,079, Cl. 363-71.000.
Mizushima, Tatsuhiko, 4,857,909, Cl. 340-793.000.
Mizuta, Masaharu, 4,841,477, Cl. 364-900.000.
Mizuta, Masaharu, 4,889,498, Cl. 439-86.000.
Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji 4,884,120, Cl. 357-68.000.
Mori, Akihiko, 4,879,655, Cl. 364-426.040.
Mori, Ryuichiro; Fukudome, Katsuyuki; and Banjo, Toshinobu, 4,857,989, Cl. 357-80.000.
Mori, Ryuichiro; Osaka, Syuichi; and Banjo, Toshinobu, 4,878,610, Cl. 228-6.200.
Mori, Ryuichiro; Akiyama, Tatsuhiko; and Fukudome, Katsuyuki, 4,884,124, Cl. 357-72.000.
Mori, Satoshi, 4,798,983, Cl. 307-570.000.
Mori, Satoshi; and Majumdar, Gourab, 4,880,995, Cl. 307-270.000.
Morihara, Kenji, 4,817,019, Cl. 364-550.000.
Morihiro, Yoshiharu; and Nishida, Minoru, 4,805,217, Cl. 381-35.000.
Morishita, Akira; Suzuki, Satoru; and Yabe, Tatsuo, 4,808,871, Cl. 310-89.000.
Morishita, Akira; and Tanaka, Toshinori, 4,819,975, Cl. 290-48.000.
Morishita, Akira; and Isozumi, Shuzo, 4,825,095, Cl. 249-48.000.
Morishita, Akira; and Seta, Akio, 4,847,580, Cl. 335-126.000.
Morishita, Akira, 4,848,172, Cl. 74-7.00E.
Morishita, Akira; Tanaka, Toshinori; and Isozumi, Shuzoo, 4,855,610, Cl. 290-48.000.
Morishita, Akira; Konishi, Keiichi; and Tanaka, Toshinori, 4,859,895, Cl. 310-261.000.
Morishita, Akira, 4,870,875, Cl. 74-785.000.
Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.
Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; and Inaba, Tsutomu, 4,846,639, Cl. 418-55.000.
Morishita, Mitsuharu; and Kohge, Shinichi, 4,837,690, Cl. 364-424.050.
Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,838,074, Cl. 73-118.100.
Morishita, Mitsuharu; and Kouge, Shinichi, 4,842,087, Cl. 180-79.100.
Morishita, Mitsuharu; Iwatani, Shiro; and Nanba, Mitsuaki, 4,848,646, Cl. 228-206.000.
Morishita, Mitsuharu; and Kohge, Shinichi, 4,849,889, Cl. 364-424.050.
Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,856,323, Cl. 73-118.100.
Morishita, Mitsuharu; and Kohge, Shinichi, 4,862,366, Cl. 364-424.050.
Morishita, Mitsuharu; and Kohge, Shinichi, 4,869,333, Cl. 180-79.100.
Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,875,367, Cl. 73-118.100.
Morita, Shunji; Yamamuro, Takahiko; and Fukushima, Nobuo, 4,835,530, Cl. 340-732.000.
Morita, Takeshi; Hiramoto, Seigo; and Ohmine, Megumi, 4,810,525, Cl. 427-53.100.
Morita, Takeshi; Moriyasu, Masaharu; and Ohmine, Megumi, 4,814,576, Cl. 219-121.600.
Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, 4,825,035, Cl. 219-121.610.
Moriyasu, Masaharu; Morita, Takeshi; and Ohmine, Megumi, 4,873,417, Cl. 219-121.600.
Motoyoshi, Takeo; Nakatsukasa, Naoyuki; Tanaka, Katsuhisa; and Yamashita, Tooru, 4,827,463, Cl. 369-36.000.
Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki, Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.
Murakami, Tokumichi; and Kamizawa, Koh, 4,864,562, Cl. 370-84.000.
Murakami, Tokumichi; Nishida, Masami; and Ito, Atsushi, 4,878,230, Cl. 375-27.000.
Muramatsu, Kikuo, 4,805,199, Cl. 377-39.000.
Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.
Musa, Ikuo, 4,827,420, Cl. 364-449.000.
Muto, Takao, 4,807,027, Cl. 358-108.000.
Nagae, Akemi; Satou, Shinichi; Fukumoto, Takaaki; and Ohmori, Toshiaki, 4,820,650, Cl. 437-10.000.
Nagai, Yutaka; Mihashi, Yutaka; Yagi, Tetsuya; and Ota, Yoichiro, 4,829,023, Cl. 437-129.000.
Nagai, Yutaka; Mihashi, Yutaka; and Ikeda, Kenji, 4,833,510, Cl. 357-17.000.
Nagao, Toshishige; Ariki, Masayuki; and Ida, Yoshiaki, 4,810,894, Cl. 250-560.000.
Naito, Yasuo, 4,856,609, Cl. 180-179.000.
Naito, Yushi, 4,821,227, Cl. 364-900.000.
Nakabayashi, Takeo; and Nakaya, Masao, 4,819,208, Cl. 365-189.000.
Nakabayashi, Takeo; and Nakaya, Masao, 4,876,670, Cl. 365-194.000.
Nakabayashi, Takeo; and Andou, Hideki, 4,879,715, Cl. 370-92.000
Nakai, Takahiro; Hatanaka, Keiji; and Hatano, Yoshiko, 4,862,099, Cl. 329-126.000.
Nakajima, Toshio; Kumatani, Hiroshi; Miyazaki, Masayuki; and Tezuka, Kazuo, 4,819,502, Cl. 74-572.000.
Nakamoto, Katsuya; Kanno, Yoshiaki; and Nishiyama, Ryoji, 4,809,664, Cl. 123-436.000.
Nakamura, Nobuhiro, 4,864,641, Cl. 455-276.000.
Nakamura, Shizuka, 4,868,410, Cl. 307-20.000.
Nakamura, Takashi, 4,799,363, Cl. 62-160.000.
Nakamura, Takashi; and Iijima, Hitoshi, 4,862,705, Cl. 62-324.100.
Nakamura, Toshiyuki; Inaba, Tsutomu; Suzuki, Yasuyuki; and Kobayashi, Norihide, 4,824,343, Cl. 418-55.000.
Nakano, Hirofumi, 4,871,419, Cl. 156-643.000.
Nakano, Masaaki; Watanabe, Syoyu; Saito, Yusaku; and Iwata, Syuji, 4,841,290, Cl. 340-707.000.
Nakao, Shuji, 4,806,829, Cl. 315-111.810.
Nakase, Yasunobu, 4,821,234, Cl. 365-203.000.
Nakata, Syozo; and Imai, Satoshi, 4,803,329, Cl. 219-86.250.
Nakatani, Hiroshi, 4,809,840, Cl. 198-328.000.
Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.
Nakatsu, Keiji; Kamitsu, Katsuaki; and Ogawa, Masaharu, 4,887,254, Cl. 369-33.000.
Nakaya, Masao; Nakabayashi, Takeo; and Andou, Hideki, 4,870,300, Cl. 307-303.000.
Nakazaki, Katsuichi; and Nonoyama, Yasumasa, 4,797,854, Cl. 364-900.000.
Naruki, Toshimasa, 4,823,213, Cl. 360-78.120.
Naya, Eizo; and Okumura, Mitsuhiro, 4,870,231, Cl. 200-266.000.
Niino, Shuhei; Ishimura, Koichi; Okamoto, Ken; and Ohba, Koichi, 4,845,969, Cl. 72-11.000.
Niki, Kenichi; Makita, Tetsuro; and Takasago, Hayato, 4,854,230, Cl. 101-123.000.
Niki, Kenichi; Kokogawa, Tohru; Ishizu, Akira; and Takasago, Hayato, 4,887,030, Cl. 324-158.00P.
Nishida, Minoru, 4,823,760, Cl. 123-571.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,842,499, Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,846,640, Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,865,530, Cl. 418-55.00E.
Nishihara, Susumu; and Yoda, Kiyoshi, 4,837,515, Cl. 324-318.000.
Nishihiro, Akinori; Hanaka, Ikutaro; and Kajita, Takeyoshi, 4,816,981, Cl. 363-37.000.
Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, 4,807,581, Cl. 123-488.000.
Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890 294, Cl. 372-57.000.
Nishimura, Tadashi; and Akasaka, Yoichi, 4,797,723, Cl. 357-40.000.
Nishimura, Tadashi; Sugahara, Kazuyuki; Kusunoki, Shigeru; and Ohsaki, Akihiko, 4,845,537, Cl. 357-23.400.
Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,837,445, Cl. 250-442.100.
Nishioka, Tadashi; Morimoto, Hiroaki; Mashiko, Yoji; and Koyama, Hiroshi, 4,843,238, Cl. 250-252.100.
Nishioka, Tadashi; Mashiko, Yoji; Morimoto, Hiroaki; and Koyama, Hiroshi, 4,853,341, Cl. 437-24.000.
Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,880,975, Cl. 250-306.000.
Nitta, Yasuhiko; and Nakamura, Kazuo, 4,890,251, Cl. 364-715.080.
Niwa, Yoshikazu, 4,811,146, Cl. 360-119.000.
Niwa, Yoshikazu, 4,821,134, Cl. 360-122.000.
Niwano, Kazuhito; and Ikeda, Tatsuhiko, 4,857,478, Cl. 437-61.000.
Niwayama, Kazuhiko, 4,797,727, Cl. 357-79.000.
Niwayama, Kazuhiko; Nakagawa, Tsutomu; Tokunoh, Futoshi; and Yoshida, Shigekazu, 4,881,118, Cl. 357-79.000.
Noda, Susumu; Kojima, Keisuke; and Kyuma, Kazuo, 4,847,844, Cl. 372-45.000.
Nomoto, Kohei; Kirimoto, Tetsuo; and Kondo, Michimasa, 4,864,490, Cl. 364-157.000.
Nozaki, Yasutaka, 4,807,160, Cl. 364-550.000.

Numano, Yoshinori; and Hayama, Masahiro, 4,889,983, Cl. 250-211.00J.
Ochiai, Hajime; and Morihara, Kenji, 4,878,049, Cl. 371-5.500.
Oda, Minoru, 4,815,108, Cl. 375-102.000.
Oda, Minoru, 4,823,293, Cl. 364-604.000.
Oda, Minoru, 4,854,686, Cl. 350-456.000.
Ogasawara, Koichi, 4,858,[illegible]36, Cl. 371-38.000.
Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, 4,877,509, Cl. 204-298.000.
Ogura, Shirou; and Yoshida, Shigemasa, 4,827,200, Cl. 318-561.000.
Ohashi, Masato; and Kodai, Shiyojiro, 4,879,153, Cl. 428-76.000.
Ohashi, Masato; and Kodai, Shiyoojiro, 4,889,749, Cl. 428-13.000.
Ohdate, Mitsuo, 4,803,180, Cl. 437-222.000.
Ohdate, Mituo, 4,829,364, Cl. 357-72.000.
Ohkami, Takahide; Iijima, Nobuyuki; Sakamoto, Teijiro; and Hirai, Toshiyuki, 4,825,359, Cl. 364-200.000.
Ohkura, Isao, 4,870,471, Cl. 357-42.000.
Ohkura, Yuji, 4,847,857, Cl. 372-96.000.
Ohmori, Toshiaki; Hama, Masaharu; and Fukumoto, Takaaki, 4,868,996, Cl. 34-13.000.
Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.
Ohsaki, Saburou; Takahashi, Taketo; and Miki, Toshihiro, 4,877,962, Cl. 250-442.100.
Okabe, Masatomi, 4,810,900, Cl. 307-278.000.
Okada, Kazuo, 4,868,787, Cl. 365-106.000.
Okada, Kazuo; Tadokoro, Michihiro; and Imai, Hitoshi, 4,868,807, Cl. 369-109.000.
Okada, Keisuke; and Takeuchi, Sumitaka, 4,866,443, Cl. 341-159.000.
Okada, Sadao; Yamamoto, Tetsu; and Yumura, Takashi, 4,819,109, Cl. 360-106.000.
Okada, Tetsuji; Umemura, Hiroyuki; Matsuda, Kenji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,850,203, Cl. 62-209.000.
Okamoto, Kiyohide; Okita, Ryosuke; and Yamada, Masaya, 4,856,631, Cl. 192-21.500.
Okamoto, Kyoichi; and Shiroyama, Shigeru, 4,813,121, Cl. 29-509.000.
Okamoto, Takashi; Terasawa, Akio; and Ishizaki, Takashi, 4,811,281, Cl. 364-900.000.
Okamoto, Tatsuo; Kotani, Hideo; Oono, Takio; Watabe, Kiyoto; Kinoshita, Yasushi; and Nishikawa, Yoshikazu, 4,872,050, Cl. 357-71.000.
Okamoto, Tatsuo; and Ohsaki, Akihiko, 4,887,143, Cl. 357-49.000.
Okita, Ryosuke, 4,871,049, Cl. 192-21.500.
Okitaka, Takenori; and Miyazaki, Yukio, 4,804,867, Cl. 307-473.000.
Okitaka, Takenori; and Miyazaki, Yukio, 4,806,802, Cl. 307-542.000.
Okitaka, Takenori; and Miyazaki, Yukio, 4,837,463, Cl. 307-473.000.
Okitaka, Takenori, 4,851,721, Cl. 307-570.000.
Okitaka, Takenori, 4,858,055, Cl. 361-91.000.
Oku, Tomoki, 4,851,680, Cl. 250-336.200.
Okuda, Hiroshi, 4,856,488, Cl. 123-599.000.
Okuda, Hiroshi, 4,871,471, Cl. 252-301.40S.
Okuda, Hiroshi, 4,887,581, Cl. 123-602.000.
Okumura, Nobuyoshi, 4,823,198, Cl. 358-311.000.
Okumura, Yoshinori, 4,877,750, Cl. 437-47.000.
Okuno, Michiharu, 4,810,840, Cl. 200-144.0AP.
Okuno, Michiharu, 4,839,476, Cl. 200-17.00R.
Okura, Makoto, 4,839,794, Cl. 364-200.000.
Okutsu, Naohiro, 4,829,396, Cl. 360-105.000.
Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,842,966, Cl. 429-96.000.
Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,868,074, Cl. 429-98.000.
Omori, Nobuyasu, 4,825,300, Cl. 358-328.000.
Omura, Etsuji; and Goto, Katsuhiko, 4,847,217, Cl. 437-160.000
Omura, Etsuji; and Namizaki, Hirofumi, 4,847,845, Cl. 372-46.000.
Omura, Etsuji; Goto, Katsuhiko; Takahashi, Shogo; Namba, Harumi; and Takemoto, Akira, 4,888,781, Cl. 372-46.000.
Onishi, Ken; and Sugiyama, Kazuhiro, 4,882,638, Cl. 360-32.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,815,553, Cl. 180-178.000.
Onishi, Masayoshi, 4,821,831, Cl. 180-178.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,823,902, Cl. 180-170.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,864,992, Cl. 123-360.000.
Onishi, Masayoshi; Naitou, Yasuo; and Yasukawa, Takeshi, 4,884,649, Cl. 180-179.000.
Onishi, Masayoshi; and Fujimoto, Tadayuki, 4,889,033, Cl. 91-6.000.
Ookawa, Katsuhiro, and Hatanaka, Keiji, 4,827,359, Cl. 360-10.300.
Ookawa, Katsuhiro, 4,858,029, Cl. 358-340.000.
Oshikiri, Keiichi, 4,796,145, Cl. 361-57.000.
Otani, Katsuya, 4,870,316, Cl. 313-25.000.
Otsubo, Mutsuyuki; and Mitsui, Yasuo, 4,801,987, Cl. 357-22.000.
Otsuka, Nobuo; Thompson, Peter F.; and Wada, Seiji, 4,819,714, Cl. 165-12.000.
Otsuka, Nobuo; Igarashi, Hideo; and Thompson, Peter, 4,821,526, Cl. 62-180.000.
Ozaki, Hideyuki; Hirayama, Kazutoshi; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,808,844, Cl. 307-243.000.
Ozaki, Hiroshi; and Ikebe, Kouichi, 4,796,248, Cl. 369-45.000.
Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomode, Toshimasa; Sato, Fumihide; and Kusano, Kenji, 4,841,489, Cl. 367-7.000.
Ozawa, Kazuyuki; and Watanabe, Akira, 4,847,610, Cl. 340-825.160.
Ozawa, Masayuki, 4,856,489, Cl. 123-643.000.
Ozawa, Masayuki, 4,872,441, Cl. 123-651.000.
Sadamori, Masaaki, 4,822,757, Cl. 437-249.000.
Saeki, Hideo; and Uematsu, Shigeyuki, 4,824,748, Cl. 430-7.000.
Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.
Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Kazuo, 4,862,982, Cl. 180-79.100.
Saito, Takaharu, 4,819,766, Cl. 187-124.000.
Sakai, Katsuyoshi, 4,803,564, Cl. 358-294.000.
Sakai, Kunito; Tanaka, Sueyosi; Tutumi, Yasutugu; and Morita, Yutaka, 4,826,931, Cl. 525-523.000.
Sakamoto, Hidenobu, 4,857,849, Cl. 324-318.000.
Sakamoto, Yuzo; Koga, Hisashi; and Saito, Shoichi, 4,831,477, Cl. 360-99.060.
Sakashita, Kazuhior; Kishida, Satoru; and Hanibuchi, Toshiaki, 4,825,439, Cl. 371-15.000.
Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, 4,856,002, Cl. 371-21.000.
Sako, Yuji; Tsutsumi, Kiyohide; and Ootsuka, Shigeharu, 4,808,961, Cl. 337-49.000.
Sako, Yuji; and Ootsuka, Shigeharu, 4,845,455, Cl. 337-49.000.
Samejima, Kazuhiro; and Ohnishi, Masaru, 4,835,549, Cl. 346-76.0PH.
Sanai, Yukiharu, 4,882,635, Cl. 360-10.200.
Sano, Kinjiro; Kamata, Toyokazu; Fukuyama, Keiji; Saito, Masato; and Watanabe, Keiji, 4,864,187, Cl. 313-346.00R.
Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kochiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.
Sasamori, Kenzi, 4,829,150, Cl. 200-148.00A.
Sashida, Nobuo; and Yamamoto, Yushin, 4,803,611, Cl. 363-98.000.
Sato, Shinichi; and Takeda, Fumio, 4,827,266, Cl. 343-700.0MS.
Segawa, Hiroshi; and Matsumura, Tetsuya, 4,797,585, Cl. 307-594.000.
Segawa, Hiroshi; and Yoshimoto, Masahiko, 4,829,237, Cl. 324-73.00R.
Seino, Kiyoharu; Takagi, Tadashi; Takeda, Fumio; and [illegible], Yukio, 4,853,649, Cl. 330-277.000.
Seiwa, Yoshito; and Aoyagi, Toshitaka, 4,868,837, Cl. 372-46.000.
Sengoku, Masaharu, 4,809,248, Cl. 369-47.000.
Sengoku, Masaharu, 4,811,125, Cl. 360-51.000.
Sengoku, Masaharu, 4,882,720, Cl. 369-47.000.
Sengoku, Masaharu; and Takahashi, Kimiyo, 4,887,173, Cl. 360-78.040.
Sengoku, Yukinori, 4,879,967, Cl. 118-259.000.
Seto, Toshiki, 4,879,598, Cl. 358-113.000.
Shikama, Shinsuke; Kondo, Mitsushige; and Toide, Eiichi, 4,797,545, Cl. 250-201.000.
Shikama, Shinsuke; Toide, Eiichi; and Kondo, Mitsushige, 4,811,329, Cl. 369-116.000.
Shikama, Shinsuke; Kondo, Mitsushige; and Tiode, Eiichi, 4,823,335, Cl. 369-112.000.
Shikama, Shinsuke; and Toide, Eiichi, 4,835,761, Cl. 369-122.000.
Shikama, Shinsuke; Toide, Eiichi; Kondou, Mitsushige; and [illegible], Kazuo, 4,888,760, Cl. 369-122.000.
Shikano, Yoshirou; and Hayashi, Shinichirou, 4,806,[illegible], Cl. 336-73.000.
Shima, Akihiro; and Susaki, Wataru, 4,813,050, Cl. 372-45.000.
Shimamoto, Haruo; and Ueda, Tetsuya, 4,865,193, Cl. 206-330.000.
Shimazu, Yukihiko; and Sakashita, Narumi, 4,813,019, Cl. 365-189.000.
Shimizu, Toru, 4,872,128, Cl. 364-715.080.
Shimizu, Yuzuru, 4,877,986, Cl. 310-153.000.
Shimodaira, Hisayo; and Ono, Toshio, 4,807,969, Cl. 350-320.000.
Shimodaira, Hisayo; Ono, Toshio; Miyawaki, Keizo; and Hamaguchi, Tatsuya, 4,875,766, Cl. 350-641.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,796,581, Cl. 123-479.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,856,473, Cl. 123-339.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,869,221, Cl. 123-489.000.
Shimomura, Setsuhiro; and Nishiyama, Ryoji, 4,877,002, Cl. 123-339.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,877,003, Cl. 123-339.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,879,983, Cl. 123-339.000.
Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,883,035, Cl. 123-361.000.
Shimomura, Tetsuro; Tanaka, Katsufusa; and Mochizuki, [illegible], 4,864,455, Cl. 361-125.000.
Shimotani, Mitsuo; Hibino, Masahiro; and Shima, Kenji, 4,833,7[illegible], Cl. 381-47.000.
Shinada, Mikio, 4,838,716, Cl. 400-208.000.
Shinkai, Masaru; Tanaka, Makoto; Aramaki, Jun; and Onishi, Masaaki, 4,808,786, Cl. 219-69.00W.

Shinkawa, Kiyoshi; Kawahara, Takeshi; Hayakawa, Hideki; and Mori, Masaru, 4,799,162, Cl. 364-436.000.
Shiono, Katsumi; Shinohara, Hideo; Naito, Sadao; and Ikeda, Goroo, 4,799,166, Cl. 364-497.000.
Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.
Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.
Shirakata, Kenji, 4,811,235, Cl. 364-474.300.
Shirakawa, Hiroyuki, 4,856,476, Cl. 123-342.000.
Shiroyama, Shigeru, 4,859,892, Cl. 310-218.000.
Sokai, Katsuji; and Shinkai, Hiromu, 4,831,352, Cl. 336-12.000.
Suda, Kakutaro, 4,840,920, Cl. 437-69.000.
Suganami, Takuya; and Kazumoto, Yoshio, 4,817,390, Cl. 62-6.000.
Sugimoto, Hidehiko; and Tamai, Shinzo, 4,885,520, Cl. 318-808.000.
Sugiyama, Kazuhiro; Onishi, Ken; and Inoue, Tohoru, 4,829,525, Cl. 371-38.000.
Sugiyama, Tsutomu; and Yoshizumi, Toshiaki, 4,887,511, Cl. 91-361.000.
Sumi, Tadashi, 4,872,143, Cl. 365-233.500.
Suwa, Makoto; and Hidaka, Hideto, 4,833,654, Cl. 365-210.000.
Suyama, Michiyo, 4,866,627, Cl. 364-457.000.
Suyama, Mitiyo, 4,841,449, Cl. 364-449.000.
Suyama, Mitiyo, 4,852,012, Cl. 364-449.000.
Suzuki, Akinobu, 4,875,752, Cl. 350-96.200.
Suzuki, Hiroyoshi, 4,794,903, Cl. 123-571.000.
Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,889,098, Cl. 123-489.000.
Suzuki, Hitoshi; Hara, Kozo; Koga, Shiro; and Morita, Shigeru, 4,860,363, Cl. 381-89.000.
Suzuki, Sunao; and Kayamori, Wataru, 4,885,656, Cl. 361-86.000.
Suzuki, Toshio; and Magara, Takuji, 4,885,449, Cl. 219-69.110.
Suzuki, Yasuyuki; Matsugi, Tetsuzo; Nakamura, Toshiyuki; and Sugihara, Masahiro, 4,846,633, Cl. 417-310.000.
Tabata, Mituharu; and Majumdar, Gourab, 4,866,313, Cl. 307-570.000.
Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmori, Toshiaki; and Hyono, Tadashi, 4,869,090, Cl. 72-53.000.
Tada, Tetsuo; and Maeno, Hideshi, 4,801,871, Cl. 324-73.00R.
Tada, Tetsuo, 4,807,229, Cl. 371-27.000.
Tada, Tetsuo; and Yamada, Tsuyoshi, 4,873,686, Cl. 371-22.400.
Tada, Tetsuo; and Matsui, Hideo, 4,888,715, Cl. 364-550.000.
Tada, Yasuo; and Abe, Minoru, 4,815,324, Cl. 73-861.220.
Tadokoro, Michihiro; Okada, Kazuo; and Imai, Hitoshi, 4,862,442, Cl. 369-45.000.
Tadokoro, Michihiro; Imai, Hitoshi; and Okada, Kazuo, 4,881,204, Cl. 369-46.000.
Taji, Ryoichi; and Imori, Hideo, 4,857,787, Cl. 310-180.000.
Takagi, Seizo, 4,805,056, Cl. 360-106.000.
Takagi, Tadashi; Seino, Kiyoharu; and Takeda, Fumio, 4,803,443, Cl. 330-277.000.
Takagi, Yoshio, 4,885,629, Cl. 357-68.000.
Takahashi, Akira; and Tada, Yasuo, 4,869,099, Cl. 73-118.200.
Takaki, Takanori, 4,829,379, Cl. 358-163.000.
Takami, Akira, 4,872,818, Cl. 418-36.000.
Takami, Kazuo, 4,829,195, Cl. 290-48.000.
Takano, Hiroshi; Murakami, Tokumichi; Kamisawa, Koh; and Aoyagi, Hidenori, 4,860,283, Cl. 370-82.000.
Takano, Hirozo, 4,824,800, Cl. 437-180.000.
Takasuka, Koji; and Ibuki, Koji, 4,882,682, Cl. 364-507.000.
Takata, Ikunori, 4,827,322, Cl. 357-46.000.
Takechi, Moriaki; Watanabe, Tsugio; and Kuroda, Shigenori, 4,800,355, Cl. 335-301.000.
Takechi, Moriaki, 4,807,084, Cl. 361-141.000.
Takechi, Moriaki, 4,833,434, Cl. 335-217.000.
Takechi, Moriaki, 4,851,958, Cl. 361-141.000.
Takechi, Moriaki; and Simada, Yuji, 4,857,848, Cl. 324-318.000.
Takechi, Moriaki, 4,868,707, Cl. 361-141.000.
Takeda, Masatoshi; Ikeda, Kazuo; Tominaga, Yoshiharu; and Mori, Kenji, 4,812,669, Cl. 307-105.000.
Takeda, Masatoshi, 4,835,411, Cl. 307-105.000.
Takeda, Masatoshi, 4,857,821, Cl. 323-210.000.
Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, 4,821,140, Cl. 361-341.000.
Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, 4,837,662, Cl. 361-335.000.
Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, 4,803,630, Cl. 364-424.050.
Tanahashi, Tooru, 4,816,985, Cl. 363-81.000.
Tanahashi, Tooru, 4,851,982, Cl. 363-37.000.
Tanaka, Nobuyuki; and Akita, Kazunori, 4,809,100, Cl. 360-96.100.
Tanaka, Noriaki, 4,799,051, Cl. 340-811.000.
Tanaka, Seizo, 4,873,511, Cl. 340-677.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.
Tanaka, Toshinori, 4,816,712, Cl. 310-237.000.
Tanaka, Toshinori; and Hamano, Isao, 4,831,895, Cl. 74-785.000.
Tanaka, Toshinori, 4,838,100, Cl. 74-7.00A.
Tanaka, Toshinori, 4,851,727, Cl. 310-154.000.
Tanaka, Toshinori, 4,852,417, Cl. 74-7.00E.
Tanaka, Toshinori; Miyazaki, Shigekazu; and Morishita, Akira, 4,876,473, Cl. 310-216.000.
Tanaka, Toshinori; Isozumi, Shuzoo; and Konishi, Keiichi, 4,886,306, Cl. 290-48.000.
Tanaka, Yasushi, 4,805,230, Cl. 455-182.000.
Tanaka, Yasushi, 4,819,069, Cl. 358-191.100.
Tani, Toyofumi; and Miwa, Hiroshi, 4,837,649, Cl. 360-104.000.
Taniguchi, Yasunori, 4,827,396, Cl. 364-140.000.
Tanino, Junichi, 4,846,310, Cl. 187-121.000.
Tanino, Junichi, 4,858,727, Cl. 187-121.000.
Tatara, Hiroshi, 4,851,997, Cl. 364-284.400.
Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,830,137, Cl. 180-79.100.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
Terada, Yasushi; Nakayama, Takeshi; Kobayashi, Kazuo; and Noguchi, Kenji, 4,805,151, Cl. 365-189.000.
Terada, Yasushi; Nakayama, Takeshi; and Kobayashi, Kazuo, 4,858,194, Cl. 365-203.000.
Teraoka, Eiichi, 4,856,106, Cl. 365-203.000.
Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713, Cl. 357-70.000.
Tezuka, Tomofumi; and Isono, Kazuaki, 4,795,089, Cl. 236-49.000.
Tobita, Youichi, 4,802,123, Cl. 365-149.000.
Tobita, Youichi, 4,806,788, Cl. 307-296.00R.
Tobita, Youichi, 4,833,656, Cl. 365-230.060.
Tobita, Youichi, 4,860,259, Cl. 365-201.000.
Tobuse, Hiroaki, 4,870,286, Cl. 250-492.200.
Toda, Haruhisa; and Murata, Shiroo, 4,855,549, Cl. 200-401.000.
Toda, Haruhisa, 4,888,570, Cl. 335-167.000.
Togane, Hikohiro, 4,846,987, Cl. 252-62.600.
Togane, Hikohiro, 4,877,543, Cl. 252-62.640.
Toide, Eiichi; Shikama, Shinsuke; and Kondo, Mitsushige, 4,817,072, Cl. 369-44.000.
Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.
Tokuda, Yasunori; and Fujiwara, Kenzo, 4,843,032, Cl. 437-129.000.
Tomimatsu, Noriyuki; and Tsurishima, Akihiko, 4,846,579, Cl. 363-8.000.
Tominaga, Tsutomu, 4,858,715, Cl. 180-170.000.
Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, 4,870,345, Cl. 371-22.300.
Tomoda, Toshimasa; Badono, Shinji; and Komaru, Masaki, 4,885,759, Cl. 378-53.000.
Torimi, Kiyokazu; Takeuchi, Hiroshi; and Takatsuka, Keizo, 4,821,141, Cl. 361-341.000.
Toriu, Jirou; Ohno, Katsuhiro; and Miyajima, Jun, 4,837,922, Cl. 29-603.000.
Toya, Hideaki; and Hayashi, Tatsuya, 4,855,547, Cl. 200-144.00B.
Toyama, Tsuyoshi; Kohda, Kenji; and Koyama, Toshihiro, 4,827,452, Cl. 365-200.000.
Toyota, Takehito, 4,858,021, Cl. 358-494.000.
Tsubouchi, Natsuro; and Kimata, Masafumi, 4,853,348, Cl. 437-203.000.
Tsuji, Katsuya; and Futatsuishi, Shun-ichi, 4,847,531, Cl. 313-318.000.
Tsuji, Shintaro, 4,839,631, Cl. 340-541.000.
Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, 4,827,289, Cl. 346-76.0PH.
Tsukamoto, Katsuhiro; Shimizu, Masahiro; Fujishima, Kazuyasu; and Matsuda, Yoshio, 4,855,953, Cl. 365-149.000.
Tsukamoto, Katsuhiro; and Matsukawa, Takayuki, 4,859,615, Cl. 437-38.000.
Tsukazaki, Hisashi; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,812,326, Cl. 427-38.000.
Tsumura, Hideo, 4,796,141, Cl. 360-135.000.
Tsumura, Kiyoaki, 4,821,944, Cl. 228-10.000.
Tsumura, Kiyoaki, 4,886,200, Cl. 228-1.100.
Tsuruda, Makoto, 4,805,492, Cl. 72-8.000.
Tsutsumi, Kazumichi, 4,838,078, Cl. 73-118.200.
Tutumi, Kazumichi, 4,850,218, Cl. 73-118.200.
Uchinami, Masanobu; and Kimoto, Yasuhiro, 4,846,131, Cl. 123-479.000.
Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,886,028, Cl. 123-479.000.
Udagawa, Shigeo; Haruyama, Tetsuo; Orime, Nobutake; and Katagi, Takashi, 4,827,270, Cl. 343-853.000.

Ueda, Kimio; and Andou, Hideki, 4,847,514, Cl. 307-245.000.
Ueda, Masahiro, 4,880,998, Cl. 307-446.000.
Ueda, Takaharu; Yumura, Takashi; Funai, Kiyosi; and Yamamoto, Tetsu, 4,819,106, Cl. 360-106.000.
Ueda, Takaharu; Yumura, Takashi; Yamamoto, Tetsu; and Funai, Kiyosi, 4,823,219, Cl. 360-106.000.
Ueda, Tetsuya, 4,849,617, Cl. 235-492.000.
Uetani, Kenichi, 4,802,082, Cl. 364-138.000.
Ueyama, Yoshiji; and Asayama, Yoshiaki, 4,872,435, Cl. 123-336.000.
Ueyama, Yoshiji; and Asayama, Yoshiaki, 4,873,957, Cl. 123-399.000.
Umeda, Yasukazu; and Tsuji, Shintaro, 4,802,557, Cl. 187-127.000.
Umehara, Seiji; and Sakai, Katsuyoshi, 4,797,106, Cl. 434-408.000.
Umezaki, Tomokazu, 4,803,454, Cl. 336-192.000.
Umezaki, Tomokazu, 4,866,409, Cl. 336-96.000.
Une, Ryuzo; and Naruki, Kenichi, 4,829,320, Cl. 346-76.0PH.
Une, Ryuzo, 4,838,719, Cl. 400-618.000.
Unno, Mahito; and Yokoi, Yuji, 4,814,681, Cl. 318-569.000.
Uota, Kousaku, 4,814,937, Cl. 361-154.000.
Utsunomiya, Shin; Okumura, Mitsuhiro; and Morita, Takeshi, 4,886,108, Cl. 164-461.000.
Wakata, Hitoshi; Inoue, Mitsuo; Sato, Yukio; Haruta, Kenyu; and Nagai, Haruhiko, 4,837,773, Cl. 372-86.000.
Wakimoto, Akihiko, 4,815,111, Cl. 375-114.000.
Washino, Shoichi; and Nishimura, Yukinobu, 4,862,851, Cl. 123-339.000.
Watakabe, Yaichiro; Morimoto, Hiroaki; and Okamoto, Tatsuo, 4,873,163, Cl. 430-5.000.
Watakabe, Yaichiro; Okamoto, Tatsuo; and Matsuda, Shuichi, 4,876,164, Cl. 430-5.000.
Watanabe, Kazuhiro; Ota, Makoto; and Imamura, Toshiharu, 4,825,201, Cl. 340-717.000.
Watanabe, Miyoichi; and Ueda, Shinobu, 4,871,976, Cl. 330-69.000.
Watanabe, Shoyu; Nakano, Masaaki; Iwata, Shuji; Nakajima, Osamu; and Saitoh, Yusaku, 4,868,351, Cl. 178-19.000.
Watanabe, Tetsuya, 4,810,927, Cl. 313-402.000.
Yagoura, Hideya; and Shimamoto, Haruo, 4,826,068, Cl. 228-5.100.
Yamada, Akira; Yoshida, Toyohiko; and Nakagawa, Hiromasa, 4,807,176, Cl. 364-786.000.
Yamada, Akira; and Umeki, Tsunenori, 4,868,627, Cl. 357-42.000.
Yamada, Michihiro; and Miyamoto, Hiroshi, 4,855,613, Cl. 307-202.100.
Yamada, Tadatoshi; Morita, Masao; Yamamoto, Shunji; Matsuda, Tetsuya; and Iwamoto, Masatami, 4,816,962, Cl. 361-141.000.
Yamada, Tetsusyo; and Ichikawa, Sadao, 4,839,018, Cl. 204-425.000.
Yamada, Toshihiro; Takebayashi, Hiroyuki; Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,817,573, Cl. 123-494.000.
Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, 4,870,620, Cl. 365-222.000.
Yamamoto, Isamu; and Fukushima, Jiro, 4,877,756, Cl. 437-209.000.
Yamamoto, Kyohei, 4,862,010, Cl. 290-38.00R.
Yamamoto, Kyohei, 4,873,607, Cl. 361-210.000.
Yamamoto, Masahiro; and Yatomi, Takeshi, 4,862,095, Cl. 324-543.000.
Yamamoto, Takeshi; and Nakatsuka, Masanori, 4,849,803, Cl. 357-72.000.
Yamamoto, Yuuichi; Nakamura, Tadaaki; Murai, Takashi; and Hijikata, Akemi, 4,838,033, Cl. 62-45.100.
Yamanaka, Torao; Shoyama, Teruhisa; and Teraji, Nobuo, 4,807,259, Cl. 375-109.000.
Yamanaka, Torao, 4,816,988, Cl. 364-188.000.
Yamanaka, Torao, 4,833,592, Cl. 364-138.000.
Yamanaka, Torao; and Kawahara, Takeshi, 4,860,001, Cl. 340-825.200.
Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.
Yamane, Iwao, 4,837,673, Cl. 364-188.000.
Yamasaki, Akinori; Kuroda, Sigenori; and Oue, Tatsuya, 4,868,531, Cl. 335-216.000.
Yamasaki, Hidenori, 4,800,449, Cl. 360-71.000.
Yamashita, Hiromitsu, 4,860,120, Cl. 358-330.000.
Yamashita, Tohru; and Takematsu, Takaharu, 4,878,137, Cl. 360-98.050.
Yamauchi, Satomi, 4,840,135, Cl. 112-277.000.
Yamauchi, Shiro, 4,837,648, Cl. 360-103.000.
Yamauchi, Takao, 4,835,648, Cl. 361-14.000.
Yamawaki, Masao; and Kawashima, Hiroshi, 4,853,786, Cl. 358-213.290.
Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, 4,844,469, Cl. 273-186.00R.
Yasue, Takao, 4,856,297, Cl. 62-51.100.
Yasui, Ikuo; Shimazu, Yukihiko; and Kengaku, Toru, 4,870,609, Cl. 364-784.000.
Yasukawa, Takeshi; Onishi, Masayoshi; and Fujimoto, Tadayuki, 4,876,948, Cl. 92-99.000.
Yatomi, Takeshi; and Tanaka, Makoto, 4,883,933, Cl. 219-69.120.
Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Moriizumi, Koichi, 4,887,137, Cl. 357-23.600.
Yonezu, Ryou, 4,849,932, Cl. 365-63.000.
Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,300, Cl. 341-94.000.
Yoshida, Shigeyuki; Musha, Atsushi; and Nonami, Takayuki, 4,876,714, Cl. 379-433.000.
Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,794,93 Cl. 165-133.000.
Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hiji Masao, 4,854,380, Cl. 165-152.000.
Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hiji Masao, 4,869,316, Cl. 165-151.000.
Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,880,054 Cl. 165-133.000.
Yoshida, Toyohiko; and Ueda, Tatsuya, 4,802,112, Cl. 364-784.000.
Yoshimoto, Masahiko, 4,849,937, Cl. 365-189.050.
Yoshimura, Motomu, 4,819,206, Cl. 365-106.000.
Yoshioka, Nobuyuki; and Ishio, Noriaki, 4,865,952, Cl. 430-315.000.
Yoshioka, Nobuyuki; Fujiwara, Nobuo; and Watakabe, Yaichiro, 4,873,162, Cl. 430-5.000.
Yoshioka, Takeo; Minagawa, Tadao; Suzuki, Toshihiro; Yamasaki, Ichiro; and Matsushita, Yoshifumi, 4,839,767, Cl. 361-42.000.
Yoshizumi, Toshiaki; and Nishio, Isao, 4,816,983, Cl. 363-54.000.
Yoshizumi, Yasuji; and Matsuoka, Yoshiyuki, 4,877,567, Cl. 264-153.000.
Yumura, Takashi; and Yamamoto, Tetsu, 4,862,441, Cl. 369-45.000.
Zumoto, Nobuyuki; Sakamoto, Masahiko; and Hoshinouchi, Susumu, 4,879,473, Cl. 250-492.200.
Mitsubishi Electric Corporation: *See*—
  Hoshino, Koji; Nouda, Fumio; and Yahata, Seiro, 4,828,613, Cl. 75-251.000.
  Nishizawa, Jun-ichi; and Kondoh, Hisao, 4,837,608, Cl. 357-38.000.
  Nishizawa, Jun-ichi; and Kondoh, Hisao, 4,870,028, Cl. 437-6.000.
Mitsubishi Gas Chemical Company, Inc.: *See*—
  Gaku, Morio; and Kinbara, Hidenori, 4,820,769, Cl. 525-113.000.
  Gaku, Morio; and Kimbara, Hidenori, 4,820,855, Cl. 558-167.000.
  Gaku, Morio; and Kinbara, Hidenori, 4,871,811, Cl. 525-148.000.
  Hidaka, Toshio; and Mizuno, Tetsuo, 4,871,867, Cl. 549-514.000.
  Inoue, Yoshiaki, 4,856,649, Cl. 206-204.000.
  Inoue, Yoshiaki, 4,856,650, Cl. 206-204.000.
  Isshiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, 4,828,762, Cl. 260-396.00R.
  Isshiki, Tomiya; Kijima, Yasuhiko; Ito, Akira; and Ishii, Kenji, 4,843,170, Cl. 560-261.000.
  Izaki, Kansei; Kawakami, Takamasa; Hakkei, Kouichi; and Ando, Kazuhiro, 4,800,182, Cl. 501-92.000.
  Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, 4,877,847, Cl. 525-397.000.
  Naito, Susumu; Abe, Koichi; Kiga, Hidetaka; and Onda, Yu 4,801,737, Cl. 560-139.000.
  Nomura, Isao; Narita, Kenichi; and Kurokawa, Masashi, 4,822,64 Cl. 524-538.000.
  Osugi, Minoru; Nakamura, Tadasi; and Obata, Yoriko, 4,806,51 Cl. 502-202.000.
  Saito, Masao; and Yamada, Koichiro, 4,864,062, Cl. 564-512.000.
  Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, 4,816,30 Cl. 428-36.700.
  Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, 4,868,02 Cl. 428-36.700.
  Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, 4,861,854, Cl. 528-125.000.
  Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, 4,799,950, Cl. 71-89.000.
  Suzuki, Akinori; Kajita, Toshio; and Furushima, Masakazu, 4,877,447, Cl. 71-103.000.
  Suzumori, Takeo; Masumoto, Isamu; Nakagawa, Mitsuo; and Ito, Yukihiro, 4,814,424, Cl. 528-249.000.
  Tanaka, Toru; Furuta, Tomiyoshi; and Suwa, Kazue, 4,824,992, Cl. 562-416.000.
  Tanaka, Toru; and Inari, Masato, 4,886,906, Cl. 562-416.000.
  Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, 4,845,193, Cl. 528-502.000.
Mitsubishi Gas Chemical Co., Ltd.: *See*—
  Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Ei Nakajima, Toru; and Masumoto, Mituhiko, 4,868,401, Cl. 525-468.000.
  Konishi, Akihiko; Mizukami, Masamichi; and Shimuta, Masa 4,836,859, Cl. 134-1.000.
Mitsubishi Jidosha Kogyo Kabushiki Kaisha: *See*—
  Asai, Yoshiro, 4,803,962, Cl. 123-52.0MC.
  Asai, Yoshiro, 4,875,658, Cl. 251-129.210.
  Fujii, Toshihiro; and Fukui, Shunjiro, 4,845,595, Cl. 363-30.000.
  Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Sa Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,634, Cl. 123-571.000.
  Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshi 4,848,301, Cl. 123-494.000.
  Hiramatsu, Takeo; Takamiya, Bonnosuke; and Tanaka, Yui 4,813,307, Cl. 74-866.000.
  Hiramatsu, Takeo, 4,829,769, Cl. 60-721.000.
  Hiramatsu, Takeo, 4,881,626, Cl. 192-60.000.
  Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, 4,875,445, Cl. 123-292.000.
  Katsumoto, Takehiko; and Kikuchi, Kunio, 4,798,517, Cl. 415-131.000.

  Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda. Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
  Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.
  Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.
  Kobayashi, Kazuyoshi; Koyama, Teruo; and Fukuda, Takitaro, 4,794,809, Cl. 74-422.000.
  Kono, Yoichiro; Kumagai, Yasuaki; Takeda, Nobuaki; and Ogita, Hiroshi, 4,881,959, Cl. 55-267.000.
  Kumagai, Shiro, 4,817,385, Cl. 60-288.000.
  Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, 4,835,964, Cl. 60-285.000.
  Mimuro, Tetsushi; Abe, Hiroki; Honda, Masahiro; and Mitsui, Takeshi, 4,884,647, Cl. 180-140.000.
  Murakami, Nobuaki; and Hatsuda, Yasuyuki, 4,823,753, Cl. 123-417.000.
  Nakagawa, Kiyoshi, 4,870,845, Cl. 72-1.000.
  Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,794,758, Cl. 60-602.000.
  Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,825,523, Cl. 29-156.80R.
  Nishizawa, Hiroyuki, 4,877,004, Cl. 123-432.000.
  Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
  Shimada, Makoto; and Dogahara, Takashi, 4,811,713, Cl. 123-399.000.
  Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.
  Sui, Masaru, 4,846,308, Cl. 184-6.230.
  Takahashi, Akira; and Tada, Yasuo, 4,869,099, Cl. 73-118.200.
  Takaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,830,394, Cl. 280-689.000.
  Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, 4,803,630, Cl. 364-424.050.
  Tanaka, Masahi; Yamauchi, Shigekazu; and Mikita, Masaru, 4,834,051, Cl. 123-440.000.
  Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,903, Cl. 280-689.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,905, Cl. 280-707.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.
  Tanaka, Tadao; Mitsui, Takeshi; Takizawa, Shozo; and Fukuyama, Kazuo, 4,887,632, Cl. 137-117.000.
  Yoshida, Yasuhiko; Honda, Masahiro; and Takizawa, Shozo, 4,811,805, Cl. 180-140.000.
Mitsubishi Jukogyo Kabushiki Kaisha: *See*—
  Araki, Kazunori; Hayashi, Masayuki; Yamaguchi, Shogo; and Hanada, Munehiro, 4,807,421, Cl. 53-167.000.
  Fujii, Isao; Osada, Sanjyuro; Okamoto, Masato; and Yamamoto, Kouichi, 4,845,919, Cl. 53-380.000.
  Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, 4,884,956, Cl. 418-15.000.
  Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
  Fujiwara, Haruyoshi; and Katsube, Ryojiro, 4,832,832, Cl. 209-273.000.
  Fukuda, Seiji; Kaneko Shozou; Fujikawa, Takuji; Oda, Hiroshi; Gengo, Tadashi; and Fukui, Kazushi, 4,862,692, Cl. 60-670.000.
  Fukui, Toshio; Amano, Hiroyoshi; Origuchi, Takayuki; and Suemune, Katsuaki, 4,826,572, Cl. 162-272.000.
  Funahashi, Nobuhiro; and Yamashita, Toshio, 4,848,096, Cl. 62-126.000.
  Hagiwara, Haruo; Tsukamoto, Hideo; and Tsubaki, Yasuhiro, 4,802,253, Cl. 8-158.000.
  Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kuuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.
  Hasegawa, Akira; and Sakaguchi, Katsuyoshi, 4,813,861, Cl. 425-28.100.
  Hasegawa, Akira; Sakaguchi, Katsuyoshi; and Katayama, Hideaki, 4,846,649, Cl. 425-33.000.
  Hashizaki, Katsuo; Koyanagi, Toshio; and Morii, Atsushi, 4,796,545, Cl. 110-216.000.
  Hayashi, Shoichi; Sakai, Norio; and Ishihara, Hidetoshi, 4,848,106, Cl. 68-19.100.
  Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
  Hirakawa, Tadashi; Seki, Yukuharu; and Oku, Yukio, 4,846,778, Cl. 493-354.000.
  Hirakawa, Tadashi; and Yano, Tadashi, 4,863,154, Cl. 271-176.000.
  Hirano, Takahisa; Hagimoto, Kiyoshi; and Takeda, Kimiharu, 4,856,973, Cl. 418-55.000.
  Honda, Mitsuyasu; Seto, Touru; and Mitsuoka, Shigeaki, 4,812,429, Cl. 502-34.000.
  Iijima, Katsuhiko; and Itami, Kazuo, 4,799,564, Cl. 180-65.500.
  Iijima, Katsuhiko; Shiraishi, Yasumi; Mizoe, Shoji; and Ogata, Youichi, 4,844,483, Cl. 277-83.000.
  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.
  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
  Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, 4,875,445, Cl. 123-292.000.
  Itahana, Tsutomu; Ono, Tetsuo; and Sugimoto, Tamio, 4,886,425, Cl. 417-309.000.
  Kasugai, Heki, 4,875,415, Cl. 104-35.000.
  Kawamata, Shigeya, 4,872,649, Cl. 267-136.000.
  Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.
  Kobayashi, Kazuyuki, 4,860,608, Cl. 74-501.600.
  Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
  Kubo, Haruaki; Umeda, Mitsuru; and Iwakoshi, Hiromitsu, 4,799,838, Cl. 409-234.000.
  Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.
  Kushibe, Yuki; and Sato, Hiroshi, 4,874,309, Cl. 425-589.000.
  Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
  Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.
  Matsudaira, Nobuyasu; Kyoya, Michio; Mikogami, Takashi; Okazaki, Yoichiro; Matsuo, Eito; and Takahira, Nobuhiro, 4,799,856, Cl. 415-155.000.
  Matsumoto, Hiroyo; Kakimoto, Akira; Nakayasu, Iwao; and Yonekura, Kazuo, 4,863,637, Cl. 252-628.000.
  Minami, Nagio; and Oka, Tamotu, 4,813,806, Cl. 403-268.000.
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
  Morii, Shigeki; and Katayama, Keiichi, 4,795,927, Cl. 310-90.500.
  Motai, Toshiki; and Kashiwazaki, Masamichi, 4,829,938, Cl. 122-716.000.
  Nishiura, Norimasa; and Hishida, Tadashi, 4,826,346, Cl. 403-267.000.
  Nishizawa, Shunichi; Tsubota. Toshio; and Chikura, Takashi, 4,803,895, Cl. 74-603.000.
  Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
  Okura, Kazumasa; and Saito, Kazuo, 4,826,384, Cl. 414-234.000.
  Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.
  Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
  Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, 4,873,156, Cl. 429-31.000.
  Seki, Yukuharu; and Oku, Yukio, 4,843,933, Cl. 83-508.300.
  Seki, Yukuharu; and Haraguchi, Noriyasu, 4,889,580, Cl. 156-382.000.
  Seto, Toru; Mitsuoka, Shigeaki; Morii, Atsushi; and Kobayashi, Norihisa, 4,857,276, Cl. 422-171.000.
  Shinoda, Naoharu; Tatani, Atsushi; Takashina, Toru; and Onizuka, Masakazu, 4,810,477, Cl. 423-242.000.
  Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.
  Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.
  Tachibana, Naoji, 4,846,857, Cl. 55-146.000.

Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.
Tateishi, Mataji; Kunimoto, Etsuo; Nakagawa, Hiroshi; and Takaishi, Tatsuo, 4,864,990, Cl. 123-304.000.
Tazuke, Hisashi; Araki, Kazunori; Yamaguchi, Shogo; Nakamura, Sueshige; and Abe, Sadahiro, 4,807,673, Cl. 141-57.000.
Tomimatsu, Kazutaka; and Nakayama, Yutaka, 4,867,765, Cl. 55-139.000.
Torichigai, Masaaki; and Iwamoto, Keiichi, 4,800,927, Cl. 138-109.000.
Torichigai, Masaaki; and Iwamoto, Keiichi, 4,854,614, Cl. 285-93.000.
Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.
Yamaguchi, Shogo; Araki, Kazunori; Tazuke, Hisashi; Murasaki, Masayuki; and Ito, Hirofumi, 4,856,563, Cl. 141-1.000.
Yamaguchi, Shogo; Araki, Kazunori; and Tazuke, Hisashi, 4,860,802, Cl. 141-6.000.
Yamaguchi, Shogo; and Tazuke, Hisashi, 4,860,804, Cl. 141-94.000.
Yanagi, Kenichi; Mito, Yoshiki; and Hayashi, Kanji, 4,869,310, Cl. 164-431.000.
Yonezawa, Toshio; Yamaguchi, Noritake; and Okada, Yasutaka, 4,798,632, Cl. 148-12.70N.
Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.
Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, 4,855,019, Cl. 204-16.000.

Mitsubishi Kasei Corporation: *See—*
Doi, Yoshiharu, 4,876,331, Cl. 528-361.000.
Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, 4,872,881, Cl. 8-549.000.
Hattori, Eiji; Tagawa, Toru; and Oguri, Yasuo, 4,865,829, Cl. 423-338.000.
Hihara, Toshio; and Sekioka, Riyouichi, 4,888,028, Cl. 8-549.000.
Kochi, Hiromi; Fukunaga, Kenji; Itagaki, Takaharu; and Ito, Tsuyoshi, 4,857,576, Cl. 524-409.000.
Kondou, Tsutomu, 4,883,685, Cl. 426-658.000.
Kondou, Tsutomu, 4,886,677, Cl. 426-548.000.
Kondou, Tsutomu, 4,888,183, Cl. 426-34.000.
Kusano, Hiroshi; Kiniwa, Hideaki; Shimura, Akihiro; and Annaka, Masahiko, 4,851,382, Cl. 502-401.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,880,819, Cl. 514-316.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,883,802, Cl. 514-278.000.
Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Oguri, Yasuo; and Inoue, Shoko, 4,882,078, Cl. 252-629.000.
Noguchi, Masahiro; and Yamamoto, Osamu, 4,889,586, Cl. 156-636.000.
Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, 4,861,777, Cl. 514-234.500.
Ono, Hitoshi; and Kato, Yoshiaki, 4,873,164, Cl. 430-58.000.
Seo, Yuzo, 4,843,365, Cl. 338-32.00R.
Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, 4,795,687, Cl. 429-213.000.
Tamura, Mitsuhiko; Miyamoto, Masaaki; and Miyamoto, Kazuo, 4,840,995, Cl. 525-133.000.

Mitsubishi Kasei Vinyl Company: *See—*
Sugino, Satoru, 4,839,218, Cl. 428-212.000.

Mitsubishi Kenki Kabushiki Kaisha: *See—*
Harara, Mitsuhiko; Takizawa, Shozo; Tanaka, Tadao; Wada, Shunichi; and Ohtagaki, Shigeki, 4,887,840, Cl. 280-707.000.
Takemoto, Akira, 4,849,372, Cl. 437-129.000.
Tokunoh, Futoshi, 4,835,119, Cl. 437-209.000.

Mitsubishi Kinzoku Kabushiki Kaisha: *See—*
Akutsu, Hidetoshi; Iwamura, Takuro; and Kobayashi, Masao, 4,872,048, Cl. 357-67.000.
Akutsu, Hidetoshi, 4,874,439 Cl. 148-433.000.
Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.
Hoshino, Koji; Nouda, Fumio; and Yahata, Seiro, 4,828,613, Cl. 75-251.000.
Hosoda, Naoyuki; Tanaka, Masayuki; and Mori, Tamotsu, 4,885,135, Cl. 420-507.000.
Ikeda, Hiroshi; Tsunashima, Makoto; and Mieda, Akihiko, 4,861,574, Cl. 423-342.000.
Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama, Mitsuji, 4,851,263, Cl. 427-240.000.
Iwamura, Takuro; and Kobayashi, Masao, 4,886,641, Cl. 420-470.000.
Kimura, Etsuji; Hasegawa, Nozomu; and Nishiyama, Yutaka, 4,886,777, Cl. 505-1.000.
Kimura, Takeo; Seki, Yoshiatsu; Ohkoda, Mitsuru; and Hosaka, Makoto, 4,851,098, Cl. 204-198.000.
Kobayashi, Masao; Iwamura, Takuro; and Tabei, Kazuhiko, 4,830,086, Cl. 164-418.000.
Koesashi, Yuzo; Kawade, Yasuhiko; and Iwata, Yoshikazu, 4,859,123, Cl. 408-233.000.
Mae, Yoshiharu; Oka, Tsutomu; and Hirano, Atsushi, 4,889,170, Cl. 148-407.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,824,530, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,826,578, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,879,185, Cl. 428-687.000.
Mayama, Osamu; and Ishikawa, Yoshimi, 4,836,848, Cl. 75-231.00
Okada, Yoshikazu; Sugawara, Jun; and Takizawa, Sumiyoshi, 4,812,370, Cl. 428-552.000.
Takeda, Yoshinobu; and Yamamoto, Kunio, 4,826,641, C 264-40.500.
Takeda, Yoshinobu; and Yamamoto, Kunio, 4,882,117, C 264-328.900.
Tanaka, Hiroshi; and Umemura, Akio, 4,808,390, Cl. 423-261.00
Tanase, Teruyoshi; and Matsunaga, Hatiro, 4,844,738, C 75-241.000.
Tsujimura, Osamu; and Arai, Tatsuo, 4,808,044, Cl. 407-42.000.
Tsujimura, Osamu; Saito, Takayoshi; Arai, Tatsuo; and Funa Yasuzo, 4,808,045, Cl. 408-204.000.
Tsujimura, Osamu; Nakayama, Masaaki; and Okawa, Masayuki, 4,834,591, Cl. 407-113.000.
Tsujimura, Osamu; Arai, Tatsuo; and Hiyama, Nobuo, 4,844,6 Cl. 407-34.000.
Tsujimura, Osamu; Arai, Tatsuo; and Saito, Takayoshi, 4,844,6 Cl. 408-188.000.
Tsujimura, Osamu; Arai, Tatsuo; and Okawa, Masayuki, 4,883,3 Cl. 407-40.000.
Wakita, Saburo; and Hoshi, Junji, 4,867,224, Cl. 164-80.000.
Wakita, Saburo; and Hoshi, Junji, 4,874,577, Cl. 420-417.000.
Yabuki, Ritsue; Ohe, Junya; and Kawamura, Takumi, 4,832,912, C 420-586.000.
Yabuki, Ritsue; and Wakita, Saburo, 4,888,153, Cl. 420-57.000.
Yato, Tadao; Hagino, Sadaaki; and Tanaka, Hiroshi, 4,873,031, C 264-0.500.
Yato, Tadao; Onoue, Takeshi; and Tanaka, Hiroshi, 4,882,100, C 264-0.500.
Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, T suo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, C 72-199.000.

Mitsubishi Metal Corporation: *See—*
Mae, Yoshiharu; and Sakonooka, Akihiko, 4,808,243, Cl. 148-3.00

Mitsubishi Metal Corporation of Tokyo: *See—*
Yoshida, Takeshi; Takizawa, Yoshio; and Sekine, Ichiro, 4,861,55 Cl. 420-460.000.

Mitsubishi Mining and Cement Co., Ltd.: *See—*
Hirama, Masahiro; Tanidokoro, Hiroaki; Kitahara, Nao Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,868,711, C 361-321.000.
Kitahara, Naoto; Tanidokoro, Hiroaki; Hirama, Masahiro Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,835,656, C 361-321.000.
Miyashita, Yasuo; and Kashima, Masao, 4,803,591, Cl. 361-321.00
Omizono, Hitoshi; Sasaki, Hiroshi; Fukatsu, Yasuo; Ota, Sabu and Ueda, Yoshio, 4,837,995, Cl. 52-223.00L.
Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuch Hiroyasu; and Ono, Mikiya, 4,820,573, Cl. 428-228.000.
Tokio, Uetsuhara; and Hiroji, Iwasaki, 4,857,782, Cl. 310-12.00
Uetsuhara, Tokio, 4,797,645, Cl. 335-230.000.
Uetsuhara, Tokio; Iio, Kenji; and Andoh, Yuichi, 4,845,451, C 335-257.000.
Uetsuhara, Tokio, 4,859,975, Cl. 335-230.000.
Yamaguchi, Takashi; Inoue, Takeshi; and Saito, Masashi, 4,843,0 Cl. 501-136.000.

Mitsubishi Monsanto Chemical Co., Ltd.: *See—*
Aoki, Yuji; and Miyazaki, Hiroaki, 4,879,343, Cl. 525-71.000.
Fujita, Hisanori; Kanayama, Masaaki; and Okano, Take 4,865,655, Cl. 148-33.000.
Noguchi, Masahiro; and Yamamoto, Osamu, 4,889,586, C 156-636.000.
Okano, Takeshi; Fujita, Hisanori; and Nishihara, Eiichi 4,865,682, Cl. 156-624.000.

Mitsubishi Nuclear Fuel Company, Ltd.: *See—*
Kirihara, Tomoo; Nakagawa, Ippei; Seki, Yoshinobu; and Hos Yutaka, 4,857,155, Cl. 204-61.000.

Mitsubishi Oil Co., Ltd.: *See—*
Tate, Kazuhito; Yoshida, Hajime; and Sasaki, Teruhiko, 4,801,3 Cl. 208-22.000.
Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,865,6 Cl. 55-204.000.
Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,878,5 Cl. 55-204.000.

Mitsubishi Paper Mills Limited: *See—*
Ashida, Tetsuya, 4,870,001, Cl. 430-538.000.
Baba, Susumu; Matsubara, Eigi; Iwaosa, Katsuaki; and Tam Akira, 4,818,676, Cl. 430-574.000.
Hiraishi, Shigetoshi; Koike, Naomasa; Kondo, Kazuyoshi Fuchigami, Mitsuru, 4,874,740, Cl. 503-201.000.
Hiraishi, Shigetoshi; Fuchigami, Mitsuru; Miyauchi, Masahiro Kabashima, Kazuo, 4,880,767, Cl. 503-217.000.
Iida, Toshizo, 4,824,825, Cl. 503-214.000.
Ikeda, Haruhiko; Higuchi, Masahiro; and Ohkura, Hiroki 4,837,197, Cl. 503-209.000.
Ikeda, Haruhiko; Okada, Akinori; and Ohkura, Hiroki 4,855,279, Cl. 503-209.000.
Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yama Hirokazu; Nakatani, Mamoru; and Yamada, Jun 4,879,197, 430-119.000.

Kondo, Toshiro; Kanada, Eiji; and Nishinoiri, Hiroshi, 4,837,122, Cl. 430-204.000.
Kosaka, Takao; Miyauchi, Masahiro; Koike, Naomasa; and Higuchi, Masahiro, 4,889,841, Cl. 503-209.000.
Makishima, Hideo; and Hyodo, Kenji, 4,853,274, Cl. 428-143.000.
Matsushita, Toshihiko; Hiraishi, Shigetoshi; and Morishita, Sadao, 4,824,824, Cl. 503-204.000.
Morishita, Sadao; Matsushita, Toshihiko; and Sugiyama, Takeo, 4,806,421, Cl. 428-324.000.
Morishita, Sadao; Matsushita, Toshihiko; and Sekine, Mikiya, 4,837,199, Cl. 503-227.000.
Nishinoiri, Hiroshi; Saikawa, Masahiko; Takaya, Yoshikazu; and Kanada, Euji, 4,873,170, Cl. 430-204.000.
Ohashi, Minoru; Horii, Shoichi; and Kaneko, Satoshi, 4,816,373, Cl. 430-264.000.
Okushima, Masao; Iwaosa, Katsuaki; Baba, Susumu; and Houjo, Tokitsugu, 4,863,843, Cl. 430-566.000.
Senga, Takao; Takaoka, Kazuchiyo; Yamamoto, Hirokazu; and Hashimoto, Takimi, 4,873,166, Cl. 430-137.000.
Senoo, Hideaki; Yamasaki, Takeshi; Satoh, Yasuo; and Sugaya, Mamoru, 4,877,688, Cl. 428-522.000.
Sugiyama, Takeo; and Hiraishi, Shigetoshi, 4,812,354, Cl. 428-195.000.
Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 423-562.000.
Takaya, Yoshikazu; and Yokoyama, Kazuo, 4,879,193, Cl. 430-14.000.
Tsubai, Yasuo; and Oka, Shozi, 4,821,057, Cl. 354-301.000.
Tsukahara, Hirokazu; Kagota, Nobuhiro; and Yoda, Masashi, 4,833,023, Cl. 428-349.000.
Uno, Akira; and Noda, Touru, 4,801,509, Cl. 428-513.000.
Yamada, Jun; and Eguchi, Hiromi, 4,882,248, Cl. 430-49.000.
Yamamoto, Hirokazu; and Furukawa, Akira, 4,837,103, Cl. 430-115.000.
Yamamoto, Kazuyoshi; Saikawa, Masahiko; and Kanada, Eiji, 4,824,760, Cl. 430-204.000.
Yamashita, Miyuki, 4,862,223, Cl. 355-54.000.

Mitsubishi Pencil Co., Ltd.: *See—*
Iwase, Yasuyuki; and Sakurai, Kiyokazu, 4,833,751, Cl. 15-190.000.
Kawakubo, Takamasa; and Koyama, Takao, 4,863,649, Cl. 264-29.600.
Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, 4,882,102, Cl. 264-29.300.
Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, 4,882,103, Cl. 264-29.500.
Konose, Yoshiomi, 4,856,925, Cl. 401-290.000.
Takagi, Hiroshi; Serikawa, Toshiaki; and Tsunoda, Noriaki, 4,889,442, Cl. 401-194.000.
Yoshida, Mitsuru, 4,855,093, Cl. 264-29.600.

Mitsubishi Petrochemical Co., Ltd.: *See—*
Egashira, Akihiko; Yazaki, Takao; Kakizaki, Tetsuzi; and Mizutani, Toshikazu, 4,866,117, Cl. 524-406.000.
Fujii, Masaki; Gotoh, Shiroh; and Kitagawa, Sadao, 4,833,210, Cl. 525-332.100.
Fujii, Masaki; and Wakayama, Tatsuo, 4,834,910, Cl. 252-511.000.
Hayama, Kazuhide; and Saitoh, Yukio, 4,839,457, Cl. 528-86.000.
Horie, Shinji, 4,837,138, Cl. 430-106.000.
Iida, Kazuyuki; Omori, Hiroyuki; Oonishi, Akiyoshi; and Takahashi, Masami, 4,829,111, Cl. 524-100.000.
Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.
Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
Ishino, Iwao; and Hattori, Noriaki, 4,829,119, Cl. 524-436.000.
Itoh, Kiichi; and Shibano, Takeshi, 4,835,020, Cl. 427-389.900.
Itoh, Kiichi; and Shibano, Takeshi, 4,842,927, Cl. 428-254.000.
Itoh, Kiichi; and Shibano, Takeshi, 4,865,886, Cl. 427-342.000.
Iwata, Yoichi; Tanaka, Nubuo; and Katurayama, Junichi, 4,807,294, Cl. 381-190.000.
Kadowaki, Koju; Sarumaru, Kohei; and Shibano, Takeshi, 4,873,368, Cl. 562-532.000.
Kageyama, Yoshiteru; and Sawada, Yoshiaki, 4,808,216, Cl. 75-0.50A.
Kobayashi, Yoshinobu; Itou, Tosio; and Inoue, Takayuki, 4,879,360, Cl. 525-396.000.
Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.
Matsuura, Mitsuyuki; Fujita, Takashi; and Hirakawa, Katsumi, 4,814,314, Cl. 502-112.000.
Matsuura, Mitsuyuki; and Fujita, Takashi, 4,822,763, Cl. 502-113.000.
Matsuura, Mitsuyuki; and Fujita, Takashi, 4,870,043, Cl. 502-116.000.
Mayumi, Junji; and Omori, Hiroshi, 4,885,334, Cl. 525-66.000.
Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,868,276, Cl. 528-215.000.
Nakajima, Yoshio; Kimura, Takao; and Nagaoka, Yoshinobu, 4,882,108, Cl. 264-54.000.
Nakano, Yoshitomo; and Kada, Masumi, 4,876,324, Cl. 528-142.000.
Nojiri, Naohiro; Sakai, Yukio; and Iwakura, Tomoatsu, 4,812,437, Cl. 502-243.000.
Ochiumi, Masahide, 4,842,918, Cl. 428-215.000.
Oda, Kyoko; Takahasi, Kunimasa; and Seo, Iwao, 4,874,598, Cl. 423-598.0
Ohmori, Michio; Okamura, Michiya; and Yui, Hiroshi, 4,841,516, Cl. 369-264.000.
Oonishi, Akiyoshi; Ishino, Iwao; Shimada, Takeo; and Ozeki, Yuji, 4,871,819, Cl. 526-245.000.
Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
Sarumaru, Kohei; and Yamamoto, Etsuji, 4,803,190, Cl. 502-205.000.
Shibuya, Nobuhiro; Takahashi, Hideyuki; and Nishio, Takeyoshi, 4,863,997, Cl. 525-92.000.
Shimada, Takeo; Isaka, Tsutomu; Okada, Noriyuki; Ishino, Iwao; and Usami, Nobuhiro, 4,802,892, Cl. 44-62.000.
Suzuki, Yasuyosi, 4,889,669, Cl. 264-45.900.
Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, 4,863,763, Cl. 427-355.000.
Watanabe, Yoshihisa; Takeda, Makoto; Kinoshita, Hisao; and Fujishima, Akiko, 4,849,496, Cl. 528-271.000.
Yasukawa, Eiki; Kihara, Kunio; and Tsuboi, Mayumi, 4,798,773, Cl. 429-192.000.
Yui, Hiroshi; Okamura, Michiya; Ikeda, Masakazu; and Matsuo, Norio, 4,873,282, Cl. 524-496.000.

Mitsubishi Petrochemical Engineering Co., Ltd.: *See—*
Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.

Mitsubishi Plastics Industries Limited: *See—*
Yokota, Sueo, 4,864,711, Cl. 29-458.000.

Mitsubishi Rayon Co., Ltd.: *See—*
Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, 4,816,524, Cl. 525-378.000.
Arita, Masujiro; and Sugimoto, Yukinobu, 4,875,980, Cl. 203-14.000.
Azegami, Kiyotaka; Tayama, Suehiro; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,877,687, Cl. 428-520.000.
Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,849,495, Cl. 528-194.000.
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,877,831, Cl. 525-63.000.
Hongo, Masafumi; and Noda, Mitsuaki, 4,879,329, Cl. 524-114.000.
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,888,388, Cl. 525-67.000.
Ida, Kozo, 4,839,125, Cl. 264-216.000.
Ikeda, Hiroyuki; Matsumoto, Yukihiro; and Nishimura, Koyu, 4,803,026, Cl. 264-216.000.
Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,824,998, Cl. 560-205.000.
Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,873,391, Cl. 585-639.000.
Itoh, Hajime; and Mitani, Kazutami, 4,876,289, Cl. 521-54.000.
Kamogawa, Masatake; and Kato, Masaaki, 4,814,305, Cl. 502-26.000.
Kaneko, Yasuhiro; Masuzawa, Tokihiko; Takesue, Masatoshi; and Mori, Mitsuo, 4,815,807, Cl. 350-96.180.
Kato, Masaaki; Uno, Tetsuya; Kobayashi, Masao; and Osuga, Naoto, 4,874,890, Cl. 560-205.000.
Kishida, Kazuo; Toyooka, Yutaka; and Kimura, Atsushi, 4,804,706, Cl. 525-66.000.
Kishida, Kazuo; Toyooka, Yutaka; and Mikami, Yoshiyuki, 4,877,844, Cl. 525-316.000.
Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,866,158, Cl. 528-272.000.
Kurokawa, Satoshi; Tayama, Suehiro; and Sato, Fumio, 4,876,306, Cl. 524-423.000.
Matsumoto, Tsuruyoshi; Shimada, Katsuhiko; and Uozu, Yoshihiro; 4,836,642, Cl. 350-96.340.
Miyamori, Takao; Numazawa, Ryozo; Sakimae, Akihiro; and Onishi, Hisao, 4,885,244, Cl. 435-101.000.
Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.
Mochida, Naoki; and Sawada, Hiroaki, 4,888,147, Cl. 264-207.000.
Nakai, Yoshio; and Tateyama, Masamitsu, 4,798,867, Cl. 525-196.000.
Nakao, Fujio; and Uno, Hirofumi, 4,839,006, Cl. 204-130.000.
Nakao, Fujio; Yamamoto, Nobuyuki; and Anai, Katumi, 4,867,852, Cl. 204-130.000.
Oh-Kita, Motomu; Kato, Masaaki; and Kobayashi, Masao, 4,803,302, Cl. 562-534.000.

- Oh-Kita, Motomu; Ishii, Kazuhiro; and Kato, Masaaki, 4,804,778, Cl. 562-534.000.
- Oh-Kita, Motomu; Taniguchi, Yoshiyuki; Kato, Masaaki; and Kobayashi, Masao, 4,816,603, Cl. 562-538.000.
- Orii, Koichi; Ohshima, Iwao; and Watanabe, Naotake, 4,853,198, Cl. 423-335.000.
- Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, 4,804,259, Cl. 350-96.340.
- Sasaki, Isao; Mukai, Nobuhiro; and Ige, Hitoshi, 4,826,888, Cl. 522-26.000.
- Sasaki, Isao; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,859,727, Cl. 524-147.000.
- Sasaki, Isao; Kushi, Kenji; and Taguchi, Nobuyoshi, 4,877,922, Cl. 528-272.000.
- Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased; Saiki, Sumito; and Habara, Hideaki, 4,801,386, Cl. 210-680.000.
- Sugimori, Shuighi; and Kawamura, Tomihiko, 4,802,985, Cl. 210-502.100.
- Sugimori, Teruhiko; Furutani, Yoshifumi; Shiraishi, Yoshinobu; and Yasunaga, Toshiyuki, 4,831,069, Cl. 524-232.000.
- Sugimori, Teruhiko; Suzuki, Fumio; Habara, Hideaki; and Inada, Hiromasa, 4,874,841, Cl. 528-491.000.
- Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-84.000.
- Tada, Hisashi; Saruta, Masahiro; Murata, Takashi; Agata, Akira; and Kashiyama, Setuo, 4,832,932, Cl. 423-447.200.
- Takemae, Shigeru; and Kodama, Mitsuhiro, 4,837,903, Cl. 28-254.000.
- Takemoto, Fumio; Kunishige, Tuneo; and Ochi, Mitsutoshi, 4,812,361, Cl. 428-397.000.
- Takemura, Tohru; Itoh, Hajime; Kamo, Jun; and Yoshida, Haruhiko, 4,802,942, Cl. 156-244.130.
- Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,812,012, Cl. 350-96.240.
- Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,842,365, Cl. 350-96.240.
- Terada, Hiromu; Fukahori, Naoyuki; and Sakunaga, Kenichi, 4,872,740, Cl. 350-96.260.
- Uno, Hirofumi; Asai, Hajime; and Nakao, Fujio, 4,814,157, Cl. 423-447.100.
- Watanabe, Ichiro; Ogawa, Yasuo; and Seki, Susumu, 4,851,342, Cl. 435-129.000.
- Yamamoto Naohiro; and Tokuda, Shuichiro, 4,865,417, Cl. 350-96.300.
- Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, 4,798,445, Cl. 350-96.340.
- Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, 4,799,761, Cl. 350-96.310.
- Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, 4,822,122, Cl. 350-96.310.
- Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, 4,852,982, Cl. 350-413.000.

Mitsubishi Rayon Engineering Co., Ltd.: *See—*
- Arita, Masujiro; and Sugimoto, Yukinobu, 4,875,980, Cl. 203-14.000.
- Okajima, Kiyonori; Saito, Jugoro; and Fujiwara, Hiroshi, 4,794,855, Cl. 100-154.000.

Mitsubishi Shindoh Co., Ltd.: *See—*
- Futatsuka, Rensei; Chiba, Synu-ichi; and Sakakibara, Tadao, 4,877,577, Cl. 420-473.000.

Mitsubishi Steel MFG Co., Ltd.: *See—*
- Arita, Yoji, 4,812,692, Cl. 310-49.00R.

Mitsubishi Yuka Badische Co., Ltd.: *See—*
- Arai, Masakazu; and Tanaka, Masahiro, 4,818,451, Cl. 264-40.300.
- Endo, Hiroshi; and Gotoh, Toshihiro, 4,812,484, Cl. 521-60.000.
- Kato, Naoyuki, 4,836,871, Cl. 156-79.000.

Mitsuboshi Belting, Ltd.: *See—*
- Hoshiro, Takeshi; Matsuo, Mu; and Takano, Hiroshi, 4,798,567, Cl. 474-242.000.
- Komai, Takahiko, 4,869,711, Cl. 474-263.000.
- Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonezaki, Takahiro, 4,833,305, Cl. 219-549.000.
- Nagai, Takaji; and Ohsako, Nobutaka, 4,832,673, Cl. 474-263.000.
- Nosaka, Sokichi; Hamura, Takeshi; and Nagai, Takaji, 4,813,919, Cl. 474-266.000.
- Takano, Hiroshi; and Hashimato, Yasuhiro, 4,838,835, Cl. 474-13.000.
- Takano, Hiroshi; and Matsuo, Mu, 4,858,492, Cl. 74-745.000.
- Takano, Hiroshi; and Matsuo, Mu, 4,864,891, Cl. 74-745.000.
- Ushio, Kozo, 4,826,471, Cl. 474-135.000.
- Yoshimi, Keiichi; Goto, Shigeo; and Asazuma, Masaaki, 4,861,403, Cl. 156-138.000.

Mitsugi, Kouichi: *See—*
- Kahara, Toshiki; Takeuchi, Masato; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, 4,810,595, Cl. 429-16.000.

Mitsugi, Shigeru: *See—*
- Ita, Noboru; and Mitsugi, Shigeru, 4,803,618, Cl. 364-200.000.

Mitsugi, Shoichi: *See—*
- Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, 4,822,136, Cl. 400-120.000.

Mitsuhashi, Hiroshi: *See—*
- Kimura, Masayuki; Hosaka, Kunio; Takeda, Shigehumi; and Mi-suhashi, Hiroshi, 4,849,448, Cl. 514-464.000.

Mitsuhashi, Kenhachi; Ohashi, Yoshinobu; Nakayama, Shohei; and Yamada, Akira, to Yokohama Rubber Co., Ltd., The. Tension tester. 4,841,779, 6-27-89, Cl. 73-826.000.

Mitsuhashi, Kenichi: *See—*
- Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process to prepare solid products containing oil-soluble substance. 4,803,077, 2-7-89, Cl. 424-439.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Dehydration of hydrous matter using anhydrous aldohexose. 4,810,827, 3-7-89, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Dehydration of hydrous matter using anhydrous glycosylfructose. 4,812,444, 3-14-89, Cl. 514-53.000.

Mitsuhashi, Masakazu; and Koyama, Shunsaku, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process for the production of anti-human protein antibody. 4,814,169, 3-21-89, Cl. 424-85.800.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process for preparing noodles and alimentary pastes and premixed flour therefor 4,816,272, 3-28-89, Cl. 426-331.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Crystalline alpha-maltose. 4,816,445, 3-28-89, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Dehydration of hydrous product using anhydrous lactitol. 4,826,825, 5-2-89, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process to prepare solid products containing oil-soluble substance. 4,849,225, 7-18-89, Cl. 424-439.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Dehydration of hydrous matter with anhydrous maltose. 4,870,059, 9-26-89, Cl. 514-53.000.

Mitsuhashi, Masakazu: *See—*
- Hijiya, Hiromi; Mitsuhashi, Masakazu; and Miyake, Tosh 4,831,022, Cl. 514-58.000.

Mitsuhashi, Masato; and Kitahara, Takeshi, to Fujitsu Limited. Block access system using cache memory. 4,853,848, 8-1-89, Cl. 364-200.000.

Mitsuhashi, Minoru: *See—*
- Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seiichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa 4,805,795, Cl. 220-75.000.
- Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seiichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa 4,840,304, Cl. 228-214.000.

Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, to Takasago International Corporation. Ferroelectric smectic liquid crystal compound and composition containing the same. 4,886,623, 12-12-89, Cl. 252-299.650.

Mitsuhashi, Sinji: *See—*
- Hayakawa, Tadashi; Shiinoki, Kazuaki; Mitsuhashi, Sinji; and Naya, Kotaro, 4,797,068, Cl. 417-201.000.

Mitsuhashi, Tadashi: *See—*
- Koike, Hirofumi; Endo, Yukio; and Mitsuhashi, Tadashi, 4,856,858, Cl. 350-6.600.

Mitsuhashi, Takamichi; and Tomioka, Masao, to Sony Corporation. Sound field expansion system for a video tape recorder. 4,812,921, 3-14-89, Cl. 358-343.000.

Mitsuhashi, Takefumi: *See—*
- Fujiki, Yoshinori; and Mitsuhashi, Takefumi, 4,810,439, Cl. 264-42.000.
- Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, 4,818,735, Cl. 501-134.000.

Mitsuhashi, Tetsuo: *See—*
- Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Junichi; Oketani, Takashi; and Kondo, Tatsuhiko, 4,864,400, Cl. 358-148.000.

Mitsuhashi, Yasuhiro, to Keihin Co., Ltd. Facsimile interface device for land-mobile telephones. 4,881,129, 11-14-89, Cl. 358-434.000.

Mitsuhashi, Yoshio, to M.G.S. Japan Co., Ltd. Hand stapler for use with a bar of ornamented staples. 4,878,608, 11-7-89, Cl. 227-120.000.

Mitsuhata, Kouji: *See—*
- Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
- Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.

Mitsuhiro, Harima: *See—*
- Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.

Mitsuhiro, Okumura: *See—*
- Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.

Mitsuhori, Hirokazu: *See—*
- Hirata, Hisao; Yokomizo, Shojiro; Mitsuhori, Hirokazu; and Murano, Tadao, 4,821,865, Cl. 198-368.000.

Mitsui, Akio: *See—*
- Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.

Mitsui Chemicals, Incorporated: *See—*
- Itoh, Hiroshi; Nakagawa, Toshimi; and Nitta, Atsuhiko, 4,835,312, Cl. 564-205.000.

Mitsui & Co., Ltd.: *See—*
- Fukazawa, Kazuhito, 4,864,978, Cl. 123-52.00M.
- Fukazawa, Kuzuhito, 4,831,824, Cl. 60-322.000.
- Nakamura, Masanobu, 4,820,241, Cl. 464-183.000.
- Nakamura, Masanobu, 4,827,585, Cl. 29-156.40R.
- Nakamura, Masanobu, 4,840,053, Cl. 72-58.000.
- Senda, Akira; and Usui, Takayuki, 4,845,958, Cl. 62-418.000.

Mitsui Engineering & Ship Building Co., Ltd.: *See—*
- Hashimoto, Koji; Miura, Kimikado; Asami, Katsuhiko; and Kawashima, Asahi, 4,880,482, Cl. 148-403.000.
- Ototani, Tohei; Degawa, Toru; Kusumoto, Kenichi; and Ebata, Makoto, 4,820,485, Cl. 420-78.000.

Mitsui, Fumio: *See—*
- Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.

Mitsui, Hiroyuki: *See—*
- Marii, Satoshi; Murata, Kunihiko; and Mitsui, Hiroyuki, 4,883,006, Cl. 112-121.120.
- Morii, Satoshi; Murata, Kunihiko; and Mitsui, Hiroyuki, 4,821,659, Cl. 112-121.150.

Mitsui, Isamu: *See—*
- Taguchi, Fumiaki; Mitsui, Isamu; Hara, Kinichi; Hayashi, Masaro; Ezawa, Kunio; Fukunaga, Kenichi; and Kuranari, Jun, 4,882,423, Cl. 530-380.000.

Mitsui, Kiichiro: *See—*
- Kobayashi, Motonobu; Kinoshita, Futoru; Mitsui, Kiichiro; and Inoue, Akira, 4,854,123, Cl. 60-274.000.

Mitsui Kinzoku Kogyo Kabushiki Kaisha: *See—*
- Sannohe, Kanetaro; Senzaki, Hirohisa; and Sohama, Yoshio, 4,833,033, Cl. 428-40[illegible].
- Sannohe, Kanetaro; Senzaki, Hirohisa; and Sohama, Yoshio, 4,888,216, Cl. 427-216.000.
- Satoh, Seiki, 4,861,081, Cl. 292-336.300.
- Yamada, Shinjiro, 4,880,263, Cl. 292-216.000.

Mitsui Miike Machinery Company, Limited: *See—*
- Yamada, Ryuji; and Igata, Shoji, 4,822,105, Cl. 299-1.000.

Mitsui Mining Company, Limited: *See—*
- Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, 4,812,271, Cl. 264-63.000.
- Tsutsumi, Hiroshi; Okamura, Morihito; and Matsunaga, Osamu, 4,818,496, Cl. 422-172.000.
- Yamada, Izumi; Oishi, Tetsuya; and Hanashita, Kazuhiko, 4,802,891, Cl. 44-51.000.

Mitsui Mining & Smelting Co., Ltd.: *See—*
- Kagawa, Keiichi; and Taniyasu, Kiyoshi, 4,812,374, Cl. 429-50.000.
- Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyohide; and Kagawa, Keiichi, 4,861,688, Cl. 429-206.000.
- Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hiroshi; and Oziro, Takeshi, 4,882,126, Cl. 420-516.000.
- Tsunaga, Masayuki; Yuba, Kazuaki; and Kaneko, Youichi, 4,888,135, Cl. 252-512.000.

Mitsui, Nobuo: *See—*
- Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, 4,833,586, Cl. 363-41.000.
- Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.

Mitsui Norin Co., Ltd.: *See—*
- Hara, Yukihiko; and Suzuki, Tateo, 4,840,966, Cl. 514-456.000.

Mitsui Ocean Development & Engineering Co., Ltd.: *See—*
- Kawasaki, Josho, 4,885,698, Cl. 364-506.000.

Mitsui Petrochemical Industries, Ltd.: *See—*
- Hashimoto, Isao; Tomino, Ikuo; Kato, Houji; Kihara, Noriaki; and Mukaiyama, Teruaki, 4,808,726, Cl. 548-342.000.
- Hashimoto, Takashi; and Sasaki, Zenichi, 4,870,114, Cl. 521-96.000.
- Hirai, Nobuki; Ushida, Yoshihisa; and Ohno, Takao, 4,830,996, Cl. 501-136.000.
- Hirose, Toshiyuki, 4,812,513, Cl. 525-65.000.
- Homma, Shiro; Kashiwagi, Masatoshi; and Arita, Hiroyuki, 4,808,367, Cl. 264-555.000.
- Horimoto, Koji, 4,833,011, Cl. 428-288.000.
- Inagaki, Hajime; and Saitoh, Tadao, 4,863,988, Cl. 524-315.000.
- Kaneko, Katsutoshi; Kobayashi, Toshio; and Watari, Mitsuru, 4,878,972, Cl. 156-78.000.
- Kaneshige, Ryousuke; and Mizui, Kinya, 4,877,557, Cl. 252-56.00S.
- Kashiwa, Norio; Toyota, Akinori; and Kioka, Mamoru, 4,841,003, Cl. 526-125.000.
- Kaya, Toshio; and Fujimoto, Makoto, 4,797,177, Cl. 156-630.000.
- Kaya, Toshio; Fujimoto, Makoto; and Nakagawa, Hiroaki, 4,828,640, Cl. 156-248.000.
- Kihara, Noriaki; Mukaiyama, Teruaki; Ishitoku, Takeshi; and Takahashi, Katsuya, 4,814,500, Cl. 564-104.000.
- Kioka, Mamoru; Sugi, Masahiro; Toyota, Akinori; and Kashiwa, Norio, 4,822,840, Cl. 525-240.000.
- Kioka, Mamoru; and Kashiwa, Norio, 4,874,734, Cl. 502-104.000.
- Kiso, Yoshihisa; Matsunaga, Yuuichi; and Imagawa, Masao, 4,880,942, Cl. 549-228.000.
- Kobayashi, Yoshinori; Tamura, Naoyuki; Sakai, Takanobu; and Yoshida, Yoshinori, 4,810,556, Cl. 428-152.000.
- Koga, Hitoshi; Iwata, Kazuo; Nishimoto, Masushi; and Hashimoto, Mikio, 4,849,293, Cl. 428-447.000.
- Kohyama, Masaki; Muranaka, Takeshi; Fukui, Kunisuke; and Kashiwa, Norio, 4,801,672, Cl. 526-348.200.
- Masumoto, Kazuhiro, 4,849,154, Cl. 264-539.000.
- Mende, Takayuki, 4,826,415, Cl. 425-722.000.
- Miki, Hisaya; Araki, Shintarou; and Nitabaru, Masatoshi, 4,835,325, Cl. 568-771.000.
- Nakagawa, Hiroaki; Kondo, Masahiro; and Ohishi, Noriake, 4,812,279, Cl. 264-311.000.
- Nishimura, Toshihiro; and Matsunaga, Takashi, 4,828,906, Cl. 428-220.000.
- Ohga, Akihito; and Itani, Akira, 4,886,654, Cl. 423-598.000.
- Otawa, Yasuhiko; Tojo, Tetsuo; Matsuda, Akira; and Okamoto, Katsuo, 4,818,785, Cl. 524-576.000.
- Sagane, Toshihiro, 4,880,873, Cl. 525-61.000.
- Shigemoto, Hiromi, 4,837,277, Cl. 525-146.000.
- Shigemoto, Hiromi; Abe, Shunji; and Yamamoto, Akio, 4,880,589, Cl. 264-216.000.
- Shiraki, Shigemi; and Mizuno, Kenichi, 4,827,025, Cl. 562-414.000.
- Takematsu, Tetsuo; Fukuoka, Daisuke; Takahashi, Katsuya; and Hashimoto, Isao, 4,838,924, Cl. 71-88.000.
- Tan, Hiroaki; Kato, Koji; Imuta, Junichi; and Kihara, Noriaki, 4,886,910, Cl. 564-215.000.
- Tan, Hiroaki; Yokoyama, Keiichi; and Kihara, Noriaki, 4,886,912, Cl. 564-240.000.
- Todo, Akira; Kimura, Toshio; and Kurisu, Masayoshi, 4,834,819, Cl. 156-73.100.
- Togashi, Fiki; and Takata, Toshimasa, 4,835,240, Cl. 528-98.000.
- Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,814,390, Cl. 525-331.700.
- Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,877,817, Cl. 521-142.000.
- Tominaga, Kaoru; Kan, Kojiro; Takata, Toshimasa; and Tomoshige, Toru, 4,885,329, Cl. 524-430.000.
- Uchiyama, Akira; and Okamoto, Katsuo, 4,889,762, Cl. 428-195.000.
- Ueda, Takashi; and Sagane, Toshihiro, 4,810,612, Cl. 430-109.000.
- Yagi, Kazuo; and Mantoku, Hitoshi, 4,870,136, Cl. 525-288.000.
- Yatsu, Tadao; and Akana, Yoshinori, 4,874,647, Cl. 428-35.700.
- Yonekura, Katsuyoshi; Uchiyama, Akira; and Matsuda, Akira, 4,800,130, Cl. 428-517.000.
- Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.

Mitsui, Susumu; Kurose, Shigeru; and Saimoto, Hiroshi, to Takeda Chemical Industries, Ltd. Antimicrobial composition. 4,861,766, 8-29-89, Cl. 514-184.000.

Mitsui, Takeshi: *See—*
- Mimuro, Tetsushi; Abe, Hiroki; Honda, Masahiro; and Mitsui, Takeshi, 4,884,647, Cl. 180-140.000.
- Tanaka, Tadao; Mitsui, Takeshi; Takizawa, Shozo; and Fukuyama, Kazuo, 4,887,632, Cl. 137-117.000.

Mitsui Toatsu Chemicals, Incorporated: *See—*
- Aoki, Masaaki; Tani, Mayumi; Kamiyama, Masayuki; and Asai, Kiyotsugu, 4,880,869, Cl. 524-773.000.
- Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, 4,814,124, Cl. 264-41.000.
- Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, 4,822,822, Cl. 514-655.000.
- Fujimura, Tatsuhito; and Sakurai, Motoi, 4,880,744, Cl. 435-240.460.
- Fukazawa, Nobuyuki; Kaiho, Tatsuo; and Yamashita, Hiroyuki, 4,814,458, Cl. 546-141.000.
- Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Kato, Nobukatsu; and Ema, Kenji, 4,797,242, Cl. 264-108.000.
- Hiai, Atsuhiko; Wakimura, Kazuo; Tanaka, Masao; and Tanaka, Takao, 4,869,925, Cl. 427-96.000.
- Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, 4,798,781, Cl. 430-270.000.
- Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.
- Iguchi, Seiya; Noguchi, Takeshi; Kimura, Hiroshi; and Aihara, Masayo, 4,800,160, Cl. 435-177.000.
- Iimuro, Shigeru; Kitamura, Takashi; and Morimoto, Yoshio, 4,798,654, Cl. 203-94.000.
- Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.

Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.

Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, 4,879,411, Cl. 562-401.000.

Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, 4,828,710, Cl. 210-675.000.

Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, 4,803,065, Cl. 423-502.000.

Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.

Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara, Tetsuyuki; and Ando, Toshihiko, 4,808,661, Cl. 525-73.000.

Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, 4,810,482, Cl. 423-347.000.

Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.

Kamada, Keiichi; Kawamoto, Seiji; Yaegashi, Makoto; and Shiraishi, Shiro, 4,818,525, Cl. 424-81.000.

Kamada, Keiichi; Torikai, Motoyuki; and Ohkita, Yasuo, 4,886,704, Cl. 428-323.000.

Kano, Taisaku; Kobayahsi, Nobuki; and Ichihara, Yoshinobu, 4,806,600, Cl. 525-206.000.

Kawai, Yoichi; Udagawa, Takatoshi; Imakita, Takeshi; and Yokote, Sachio, 4,885,162, Cl. 424-83.000.

Kawasaki, Shoji; Sato, Hisatomo; Shin, Masaaki; and Yamamoto, Takashi, 4,849,316, Cl. 435-106.600.

Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, 4,814,340, Cl. 514-345.000.

Kiyoura, Tadamitsu; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,822,589, Cl. 423-502.000.

Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.

Kohara, Yoshiaki; and Shinkoda, Kazuya, 4,854,666, Cl. 350-96.340.

Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shizuka, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, 4,795,795, Cl. 528-53.000.

Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.

Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, 4,801,732, Cl. 560-40.000.

Miura, Tohru; and Nagata, Teruyuki, 4,814,488, Cl. 560-59.000.

Miura, Tohru; Watanabe, Katsuju; Nakayama, Hitoshi; Furuya, Masayuki; and Nagata, Teruyuki, 4,851,590, Cl. 568-750.000.

Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,873,374, Cl. 568-743.000.

Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,877,907, Cl. 568-721.000.

Miyata, Katsuharu; Takaki, Usaji; and Matsuhisa, Toshio, 4,806,683, Cl. 562-495.000.

Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, 4,839,232, Cl. 428-473.500.

Nagai, Yoichiro; and Matsumoto, Hideyuki, 4,841,083, Cl. 556-430.000.

Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,804,783, Cl. 564-402.000.

Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,871,875, Cl. 564-402.000.

Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, 4,831,162, Cl. 549-534.000.

Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, 4,824,882, Cl. 524-89.000.

Nakanishi, Takehisa; Koga, Eizi; and Fukada, Isao, 4,876,372, Cl. 549-529.000.

Narimatsu, Osamu; Ito, Michiyasu; Komatsu, Kazuyoshi; and Shibata, Yasuhiro, 4,853,286, Cl. 428-343.000.

Nishizawa, Tsutomu; Yamada, Yasuyuki; Fujio, Junichi; and Hosonuma, Shin, 4,842,781, Cl. 264-1.300.

Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, 4,812,203, Cl. 159-6.200.

Oda, Kengo; Ishii, Tsutomu; Fukushi, Yukiharu; Enomoto, Yuji; Nishida, Makoto; and Hojo, Yoshikata, 4,889,551, Cl. 71-88.000.

Ogawa, Shinji; Iguchi, Seiya; Kimura, Hiroshi; and Ohmori, Yoh, 4,837,371, Cl. 548-497.000.

Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.

Ohta, Masahiro; Kawashima, Saburo; Snobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, 4,883,718, Cl. 428-458.000.

Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.

Ono, Hiroshi; Kasuga, Takaharu; Kiyono, Shinji; and Fujita, Yoshihiro, 4,825,003, Cl. 568-490.000.

Ono, Hiroshi; and Kasuga, Takaharu, 4,885,400, Cl. 568-454.000.

Ooe, Takashi; Nagai, Minoru; and Momotari, Yoshitaka, 4,810,572, Cl. 428-323.000.

Shin, Masaaki; Fujiwara, Akio; and Taniwaki, Hiroshi, 4,857,433, Cl. 430-120.000.

Shiomura, Tetsunosuke; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,865,795, Cl. 264-299.000.

Sugihara, Eiichi; Amemiya, Hideo; and Hayafune, Koji, 4,839,736, Cl. 358-253.000.

Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.

Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,845,228, Cl. 546-339.000.

Takayanagi, Hiroshi; Kobayashi, Tadashi; Masuda, Takayoshi; and Shinoda, Hosei, 4,859,763, Cl. 528-357.000.

Takuma, Keisuke; Kuroda, Sizuo; Oyama, Tsukasa; and Aiga, Hiroshi, 4,883,611, Cl. 552-235.000.

Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.

Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.

Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hideo; and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.

Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, 4,831,158, Cl. 548-508.000.

Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.

Usami, Katsuyuki; Ueki, Toru; Sentoku, Hajime; Takahashi, Takashi; and Kanezaki, Kazuharu, 4,869,938, Cl. 428-34.300.

Yamada, Izumi; Oishi, Tetsuya; and Hanashita, Kazuhiko, 4,802,891, Cl. 44-51.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,503, Cl. 430-75.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,507, Cl. 430-73.000.

Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,803,258, Cl. 528-211.000.

Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; Kawazura, Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, 4,839,376, Cl. 514-406.000.

Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,816,516, Cl. 525-180.000.

Yamaya, Norimasa; Koga, Nobuhito; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,831,102, Cl. 528-170.000.

Yamaya, Norimasa; Koga, Nobuhito; and Baba, Kenichi, 4,847,311, Cl. 524-413.000.

Yokoyama, Tatsuro; Mori, Haruki; Arita, Masanobu; and Kojima, Atsushi, 4,868,292, Cl. 536-18.500.

Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagiya, Hirohisa, 4,851,445, Cl. 514-604.000.

Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagiya, Hirohisa, 4,870,107, Cl. 514-604.000.

Mitsui Toatus Chemical, Inc.: *See—*

Hirayama, Chuichi; Motozato, Yoshiaki; and Ihara, Hirotaka, 4,840,975, Cl. 521-183.000.

Mitsui, Tsutomu: *See—*

Koori, Yasuo; and Mitsui, Tsutomu, 4,800,497, Cl. 364-424.100.

Mitsui, Yasuo: *See—*

Otsubo, Mutsuyuki; and Mitsui, Yasuo, 4,801,987, Cl. 357-22.000.

Mitsuishi, Akio; Nakazawa, Yasuhiko; and Sato, Takumi, to Seiko Epson Corporation. Print wire driving device for wire type dot printer. 4,881,832, 11-21-89, Cl. 400-124.000.

Mitsuishi, Tetsuya: *See—*

Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.

Mitsuki, Iwao: *See—*

Momiyama, Toshio; and Mitsuki, Iwao, 4,865,305, Cl. 271-116.000.

Mitsuki, Kiyoomi, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for connecting output image signals from a plurality of line image sensors using a correction read pattern. 4,870,505, 9-26-89, Cl. 358-494.000.

Mitsukuchi, Morihiro; Ikemoto, Tomoyuki; Watanabe, Yoshiaki; and Sota, Kaoru, to Jouveinal S.A. 21-alkyl-, cycloalkyl- or aryl-substituted this steroids and pharmaceutical compositions contraining them. 4,861,765, 8-29-89, Cl. 514-181.000.

Mitsumaru, Michitoshi; Furukawa, Keiichi; Ojima, Teruo; and Sawa, Shiro, to Koyo Seiko Co., Ltd. Water pump. 4,824,324, 4-25-89, Cl. 415-170.00A.

Mitsumasa, Furumoto; and Hiroshi, Yoshizawa, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulically operated power transmission. 4,850,192, 7-25-89, Cl. 60-468.000.

Mitsumata, Hiroshi, to Hokusan Kabushiki Kaisha. Precious-wood-faced sheet for decoration, board having the same laminated thereupon, and process of manufacture. 4,865,912, 9-12-89, Cl. 428-285.000.

Mitsumi Electric Co., Ltd.: *See—*

Ohyama, Sadahiro; Morita, Yoshiaki; Ueno, Yoshiaki; and Tazawa, Kazuhiro, 4,851,935, Cl. 360-64.000.

Mitsumori, Kazuya: *See—*

Taguchi, Katsuhiko; and Mitsumori, Kazuya, 4,873,595, Cl. 360-99.050.

Mitsumori, Sadamichi: *See—*

Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, 4,839,803, Cl. 364-403.000.

Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, to Hitachi, Ltd. Memory device with improved common data line bias arrangement. 4,829,479, 5-9-89, Cl. 365-189.090.

Mitsumoto, Takashi: *See—*

Kito, Masahiro; Mori, Katsuhiro; and Mitsumoto, Takashi, 4,798,242, Cl. 165-103.000.

Mitsumoto, Yoshio: *See—*

Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, 4,870,896, Cl. 99-348.000.

Hirai, Kazumi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; and Hori, Ichiroh, 4,880,952, Cl. 219-10.55B.

Mitsunaga, Takuro: *See—*

Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.

Mitsunaga, Tatsuo; and Miyoshi, Hideaki, to Mitsubishi Denki Kabushiki Kaisha. Electrode for fuel cell. 4,847,173, 7-11-89, Cl. 429-41.000.

Mitsune, Yutaka: *See—*

Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu, 4,865,772, Cl. 252-512.000.

Mitsuno, Tatsuyuki; Shinonaga, Hideo; and Daimon, Akio, to Sumitomo Chemical Company, Limited. Process for producing filler-containing polypropylene resin composition. 4,868,226, 9-19-89, Cl. 523-212.000.

Mitsuno, Yuichiro: *See—*

Umemoto, Isao; Shimada, Fumiyo; and Mitsuno, Yuichiro, 4,885,109, Cl. 252-174.210.

Mitsunobu, Takamasa, to Ricoh Company, Ltd. Test mode activation circuit. 4,837,505, 6-6-89, Cl. 324-158.00R.

Mitsuoka, Masahide: *See—*

Kaneko, Shinji; and Mitsuoka, Masahide, 4,805,041, Cl. 358-347.000.

Mitsuoka, Shigeaki: *See—*

Honda, Mitsuyasu; Seto, Touru; and Mitsuoka, Shigeaki, 4,812,429, Cl. 502-34.000.

Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Seto, Toru; Mitsuoka, Shigeaki; Morii, Atsushi; and Kobayashi, Norihisa, 4,857,276, Cl. 422-171.000.

Mitsusada, Kazumichi: *See—*

Hatta, Yasushi; Mitsusada, Kazumichi; Tanaka, Hirotoshi; and Hayashi, Takehisa, 4,803,527, Cl. 357-13.000.

Mitsushima, Susumu; Kawano, Junji; and Iwata, Satoshi, to Shinko Electric Co., Ltd. Thermal transfer type line printer capable of setting printing density by command supplied from an external device. 4,845,514, 7-4-89, Cl. 346-76.0PH.

Mitsuta, Takeshi: *See—*

Kawaguchi, Yasutsugu; Fuji, Kiyoshi; Mitsuta, Takeshi; and Nagasawa, Kiyoshi, 4,810,943, Cl. 318-434.000.

Mitsuta, Toru; Wada, Yutaka; and Kobayashi, Yasuhiro, to Hitachi, Ltd. Method and apparatus for assisting layout design. 4,831,546, 5-16-89, Cl. 364-512.000.

Mitsutake, Taiichiro: *See—*

Motonari, Kazunori; Kumamoto, Kazuo; Turuda, Shigeto; Ito, Yutaka; and Mitsutake, Taiichiro, 4,801,506, Cl. 428-421.000.

Mitsutomi, Hisamitsu: *See—*

Ohtsuka, Hiroshi; Itoh, Yoshio; Nishimuro, Tadashi; and Mitsutomi, Hisamitsu, 4,824,254, Cl. 356-401.000.

Mitsutsuka, Syuichi, to Clarion Co., Ltd. Optimum bias circuit for a convolver. 4,798,988, 1-17-89, Cl. 310-313.00R.

Mitsuya, Hiroaki; and Broder, Samuel, to United States of America, Health and Human Services. Antiviral compositions and methods. 4,861,759, 8-29-89, Cl. 514-46.000.

Mitsuya, Hiroaki; and Broder, Samuel, to United States of America, Health and Human Services. Antiviral compositions and methods. 4,879,277, 11-7-89, Cl. 514-49.000.

Mitsuya, Hiroaki: *See—*

Tam, Steve; Weigele, Manfred; Broger, Samuel; and Mitsuya, Hiroaki, 4,837,311, Cl. 536-22.000.

Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, to Hitachi, Ltd.; and Hitachi Koki Co., Ltd. Flash fusing apparatus for reducing occurrence of spots on recording paper. 4,821,052, 4-11-89, Cl. 355-14.0FU.

Mitsuya, Teruaki: *See—*

Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-658.000.

Mitsuya, Toshiyuki: *See—*

Yamamoto, Kiyonori; Sota, Osamu; Sakae, Masahiko; Makiura, Yoshinori; Murakami, Masahiro; and Mitsuya, Toshiyuki, 4,861,017, Cl. 271-258.000.

Mitsuya, Yoshihide: *See—*

Kageyama, Hidehei; Mitsuya, Yoshihide; and Kobayashi, Saburo, 4,836,703, Cl. 401-65.000.

Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, 4,872,776, Cl. 401-65.000.

Kageyama, Hidehei; Mitsuya, Yoshihide; and Nakazato, Yoichi, 4,884,910, Cl. 401-65.000.

Mitsuyama, Akira; Yamagishi, Toshio; and Deguchi, Masanobu, to Sharp Kabushiki Kaisha. Multiple-unit type copying apparatus. 4,796,063, 1-3-89, Cl. 355-133.000.

Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, to Kabushiki Kaisha Toshiba; and Toshiba Battery Co., Ltd. Hydrogen storage alloy electrode and method for preparing the same. 4,849,312, 7-18-89, Cl. 429-217.000.

Mitsuyasu, Toshio: *See—*

Arisato, Toshiyuki; Okitsu, Masatoyo; and Mitsuyasu, Toshio, 4,867,091, Cl. 114-97.000.

Mitsuyoshi, Hiroshi: *See—*

Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.

Mitsuyuki, Hiroshi: *See—*

Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, 4,858,171, Cl. 364-900.000.

Kimura, Kouji; Mitsuyuki, Hiroshi; Yamamoto, Akihiko; and Satoh, Yutaka, 4,850,726, Cl. 400-279.000.

Mitsuyuki, Hitoshi: *See—*

Shimizu, Isoo; Mitsuyuki, Hitoshi; Uchida, Kazumichi; and Tokumoto, Yuuichi, 4,855,519, Cl. 585-319.000.

Mitsuyuki, Kikyo: *See—*

Kei, Mori; Mitsuyuki, Kikyo; and Kouiti, Yabuki, 4,889,578, Cl. 156-294.000.

Mitsuyuki, Youichiro: *See—*

Sugimoto, Takahiro; Sasaki, Hiroki; Yonezawa, Akihiro; and Mitsuyuki, Youichiro, 4,835,442, Cl. 313-565.000.

Mittal, Chander P., to Tire Inflation Systems Corp. Vehicular tire dump valve and pressurization system. 4,862,938, 9-5-89, Cl. 152-417.000.

Mittal, Ravinder K., to University of Virginia Alumni Patents Foundation. Device to measure electrical and mechanical events in the human sphincters. 4,887,610, 12-19-89, Cl. 128-733.000.

Mittelbach, Helmut, to Haver & Boecker. Arrangement for fitting valve sacks on filling pipe of packaging machine. 4,873,816, 10-17-89, Cl. 53-573.000.

Mittelhauser, Bernhard. Rear-view mirror for motor vehicles. 4,822,140, 4-18-89, Cl. 350-279.000.

Mittelhauser, Bernhard. External rearview mirror for vehicles. 4,828,215, 5-9-89, Cl. 248-484.000.

Mittelhauser, Bernhard; and Winkler, Bernd, to Mittelhauser, Bernhard. Exterior mirror for a vehicle. 4,836,490, 6-6-89, Cl. 248-549.000.

Mittelhauser, Bernhard; and Winkler, Bernd, to Mittelhauser, Bernhard. Exterior mirror for a vehicle. 4,872,636, 10-10-89, Cl. 248-475.100.

Mittelhauser, Bernhard. External mirror for a vehicle. 4,877,319, 10-31-89, Cl. 350-604.000.

Mittelhauser, Bernhard. Rear view mirror for motor vehicles. 4,883,349, 11-28-89, Cl. 350-631.000.

Mittelmann, Rudolf: *See—*

Thinschmidt, Hans; and Mittelmann, Rudolf, 4,864,650, Cl. 455-612.000.

Mittelmeier, Heinz: *See—*

Schmitt, Otmar; and Mittelmeier, Heinz, 4,830,009, Cl. 128-421.000.

Mittelstadt, Alfred G.: *See—*

Lambertz, Johannes; Adlhoch, Wolfgang H.; Mittelstadt, Alfred G.; and Hermann, Wolfgang, 4,852,994, Cl. 48-197.00R.

Mittelstadt, Robert F.: *See—*

Baukol, David E.; Bod, Dennis L.; and Mittelstadt, Robert F., 4,804,265, Cl. 356-152.000.

Mitten, James L. Pre-framed lighting system for windows or doors. 4,821,158, 4-11-89, Cl. 362-249.000.

Mitterauer, Bernhard: *See—*

Thomas, Gerhard G.; and Mitterauer, Bernhard, 4,829,451, Cl. 364-513.000.

Mitteregger, Erich: *See—*

Schwaiger, Ernst; and Mitteregger, Erich, 4,856,753, Cl. 249-94.000.

Mitterer, Artur: *See—*

Montie, Thomas C.; Dorner, Friedrich; McDonel, James L.; and Mitterer, Artur, 4,831,121, Cl. 530-350.000.

Mittermaier, Armin E.; and Loy, John S., to Tokheim Corporation. Hose clamp for a fuel dispensing system. 4,864,696, 9-12-89, Cl. 24-285.000.

Mittermeier, Walter: *See—*

Groger, Klaus; Mittermeier, Walter; Binder, Robert; and Diehm, Volker, 4,832,664, Cl. 474-111.000.

Mitterndorfer, Alois: *See—*

Steiner, Hans; and Mitterndorfer, Alois, 4,818,231, Cl. 433-215.000.

Mittleman, Herbert: *See—*

Hogan, Lawrence R.; Mittleman, Herbert; Oilschlager, Edward G.; Rouch, Ellen; and Rudzena, William L., 4,823,833, Cl. 137-567.000.

Mittler, Martin A.; and Scowen, Kenneth J., to Voltronics Corporation. Variable electronic component. 4,876,627, 10-24-89, Cl. 361-293.000.

Mittrich, Martin: *See—*

Kaiser, Norbert; and Mittrich, Martin, 4,833,680, Cl. 372-29.000.

Mitts, Donna M.: *See—*

Alsobrooks, Daniel E.; Bart, Hansueli; Chauvin, Richard; Horn, Thomas A.; Merte, John H.; Mesenich, Gerhard; and Mitts, Donna M., 4,840,163, Cl. 123-533.000.

- Mitutoyo Corporation: *See—*
  - Andermo, Nils I., 4,878,013, Cl. 324-61.00R.
  - Andermo, Nils I., 4,879,508, Cl. 324-61.00R.
  - Hayashi, Koji; Yoshioka, Susumu; and Ono, Noritsugu, 4,805,314, Cl. 33-503.000.
  - Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Junichi; and Sakuma, Kenji, 4,888,984, Cl. 73-105.000.
  - Suzuki, Mikio, 4,798,004, Cl. 33-172.00E.
  - Tezuka, Kazusaku, 4,852,267, Cl. 33-503.000.
  - Yamamoto, Takeshi; and Arai, Masanori, 4,885,845, Cl. 33-544.500.
- Mitutoyo Mfg. Co., Ltd.: *See—*
  - Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,843,387, Cl. 340-870.370.
  - Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,879,552, Cl. 340-870.370.
  - Kabaya, Yoshihiko; Yasuda, Naofumi; and Omi, Toshihiro, 4,840,488, Cl. 356-374.000.
  - Nakaya, Tadao; and Ide, Shinji, 4,799,170, Cl. 364-513.000.
- Mitzkus, Jurgen; and Wiesner, Dieter, to TRW Repa GmbH. Cover of a driver-side gas bag collision protection device in motor vehicles. 4,878,689, 11-7-89, Cl. 280-731.000.
- Mitzlaff, James E., to Motorola, Inc. Telephone device having customized ring capability. 4,866,766, 9-12-89, Cl. 379-374.000.
- Mitzmacher, Harry. Electric wire connector with built-in stripper and strip gauge. 4,877,924, 10-31-89, Cl. 174-87.000.
- Mitzner, Barry T.; and Aldersley, Colin F., to Southeast Vetlab, Inc. Calibrator composition and method of producing and using same for veterinary applications. 4,847,204, 7-11-89, Cl. 436-10.000.
- Mitzner, Horst; and Dellen, Franz, to Rheinische Maschinenfabrik & Eisengiesserei, Anton Roeper GmbH & Co. KG. Apparatus for the protection of a liquid against the effects of oxygen from the surroundings. 4,819,918, 4-11-89, Cl. 266-207.000.
- MIU Automation: *See—*
  - Dykes, John, 4,797,928, Cl. 320-49.000.
- Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azuma, Makoto; and Iwakiri, Takano, to Kabushiki Kaisha Toshiba. Optical information writing method. 4,819,210, 4-4-89, Cl. 365-106.000.
- Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyohide; and Kagawa, Keiichi, to Matsushita Electric Industrial Co., Ltd.; and Mitsui Mining & Smelting Co., Ltd. Zinc-alkaline battery. 4,861,688, 8-29-89, Cl. 429-206.000.
- Miura, Akira: *See—*
  - Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, 4,871,236, Cl. 350-355.000.
  - Naito, Katsuyuki; Okamoto, Masayoshi; Mizushima, Koichi; Nakayama, Toshio; Sugiuchi, Masami; and Miura, Akira, 4,819,057, Cl. 357-17.000.
  - Wakayama, Shigeru; and Miura, Akira, 4,848,270, Cl. 118-402.000.
- Miura Co., Ltd.: *See—*
  - Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.
- Miura, Genmei: *See—*
  - Ogiwara, Satoshi; Ichikawa, Izumi; Imano, Haruo; and Miura, Genmei, 4,864,651, Cl. 455-617.000.
- Miura, Haruo: *See—*
  - Todoroki, Yasumasa; Miura, Haruo; and Ohashi, Shigenobu, 4,887,940, Cl. 415-199.100.
- Miura, Hiroki: *See—*
  - Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
- Miura, Isamu. Method of and system for turning over papers in a paper arranging apparatus. 4,886,262, 12-12-89, Cl. 271-186.000.
- Miura, Junkichi: *See—*
  - Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, 4,823,168, Cl. 356-246.000.
  - Takata, Yoshinori; Ito, Mitsuo; and Miura, Junkichi, 4,806,250, Cl. 210-659.000.
- Miura, Kazuhiko: *See—*
  - Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; and Hattori, Tadashi, 4,833,912, Cl. 73-118.200.
  - Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.
  - Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, 4,870,860, Cl. 73-204.260.
- Miura, Kazunori: *See—*
  - Minakata, Makoto; and Miura, Kazunori, 4,866,406, Cl. 330-4.300.
- Miura, Kazuo; Kang, Yoon M.; Taneya, Shoichi; Noguchi, Satoshi; and Sakitani, Katsumi, to Daikin Industries, Ltd. Cryogenic refrigeration system for cooling a specimen. 4,827,736, 5-9-89, Cl. 62-51.100.
- Miura, Kazuo: *See—*
  - Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,840,043, Cl. 62-51.200.
  - Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.
- Miura, Kenichi; and Kobayashi, Hiromichi, to Kabushiki Kaisha Toshiba. Stereoscopic camera apparatus which incorporates cameras and can commonly adjust directions of the cameras. 4,879,596, 11-7-89, Cl. 358-88.000.
- Miura, Kenji: *See—*
  - Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
- Miura, Kenju: *See—*
  - Nakanishi, Toshihiro; Fukuda, Yoshiaki; Miura, Kenju; and Nakazato, Hiroshi, 4,820,641, Cl. 435-240.270.
- Miura, Kimikado: *See—*
  - Hashimoto, Koji; Miura, Kimikado; Asami, Katsuhiko; and Kawashima, Asahi, 4,880,482, Cl. 148-403.000.
- Miura, Kin-ichiro: *See—*
  - Morinaga, Tsuto; Miura, Kin-ichiro; Shimotohno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, 4,855,237, Cl. 435-320.000.
- Miura, Kiyoshi: *See—*
  - Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.
- Miura, Kiyotaka; Izumitani, Tetsuro; and Yamashita, Toshiharu, to Hoya Corporation. Method for melting fluorophosphate glass. 4,806,138, 2-21-89, Cl. 65-32.100.
- Miura, Kiyotaka; Yamashita, Toshiharu; and Tokida, Minoru, to Hoya Corporation. Halide glass. 4,845,057, 7-4-89, Cl. 501-40.000.
- Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Urashima, Hidetoshi, to Mitsubishi Chemical Industries Limited. Polarizing film: polymer film base containing substituted anthraquinone dichroic dye. 4,840,640, 6-20-89, Cl. 8-506.000.
- Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Kubo, Shinji, to Mitsubishi Chemical Industries Limited. Cyclic imido anthraquinone compounds. 4,841,057, 6-20-89, Cl. 546-183.000.
- Miura, Konoe; Ochiai, Tameichi; and Kameyama, Yasuhiro, to Mitsubishi Chemical Industries Limited. Positive photoresist composition. 4,859,563, 8-22-89, Cl. 430-192.000.
- Miura, Konoe: *See—*
  - Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.
- Miura, Kunihiko, to Kabushiki Kaisha Toshiba. Multi-beam scanning system with sync signal generation based on single beam detection. 4,823,151, 4-18-89, Cl. 346-160.000.
- Miura, Kunihiko; and Nosaki, Takefumi, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,854,754, 8-8-89, Cl. 400-802.200.
- Miura, Kunihiko, to Kabushiki Kaisha Toshiba. Recording apparatus. 4,887,167, 12-12-89, Cl. 358-296.000.
- Miura, Kyo; Sugata, Hiroyuki; Oguchi, Yoshihiro; and Yoshino, Hitoshi, to Canon Kabushiki Kaisha. Optical information recording carrier. 4,871,601, 10-3-89, Cl. 428-64.000.
- Miura, Makoto; Miyamoto, Kazuki; and Ishida, Masato, to Canon Kabushiki Kaisha. Multi computer fail safe control apparatus. 4,882,669, 11-21-89, Cl. 364-184.000.
- Miura, Masakatsu; and Sakakibara, Shiro, to Aisin Warner Kabushiki Kaisha. Automatic transmission for motor vehicles. 4,841,804, 6-27-89, Cl. 74-701.000.
- Miura, Masakatsu; and Ozaki, Kazuhisa, to Aisin-Warner Kabushiki Kaisha. Automatic transmission. 4,848,177, 7-18-89, Cl. 74-467.000.
- Miura, Masakatsu; and Ando, Mashiko, to Aisin-Warner Kabushiki Kaisha. Automatic transmission. 4,884,472, 12-5-89, Cl. 74-763.000.
- Miura, Masakatsu: *See—*
  - Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,850,251, Cl. 74-866.000.
  - Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,875,392, Cl. 74-867.000.
  - Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,889,016, Cl. 74-868.000.
- Miura, Masaki: *See—*
  - Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, 4,860,372, Cl. 382-13.000.
- Miura, Masao; and Osima, Isamu, to Fuji Electric Co., Ltd. Circuit breaker. 4,849,726, 7-18-89, Cl. 335-195.000.
- Miura, Masao: *See—*
  - Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, 4,820,316, Cl. 55-18.000.
- Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; and Naito, Hiroshi, to Matsushita Electric Industrial Co. Ltd. Ink jet printer. 4,801,954, 1-31-89, Cl. 346-140.00R.
- Miura, Masayoshi; Akami, Kenji; Oda, Gen; Kojima, Tamotsu; and Naito, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Ink jet printer. 4,801,955, 1-31-89, Cl. 346-140.00R.
- Miura, Masayoshi: *See—*
  - Iwasawa, Toshiyuki; and Miura, Masayoshi, 4,825,102, Cl. 307-296.500.
  - Iwasawa, Toshiyuki; and Miura, Masayoshi, 4,829,325, Cl. 346-140.00R.
- Miura, Morikazu, to Asahi Kasei Kogyo Kabushiki Kaisha. Hydrophilic microporous membrane and process for preparing same. 4,885,086, 12-5-89, Cl. 210-321.800.
- Miura, Nobuo; Nakayama, Hitoshi; Ishii, Nolihisa; and Maeda, Hidenori, to Honda Giken Kogyo Kabushiki Kaisha; and Shindengen Kogyo Kabushiki Kaisha. Ignition apparatus for preventing unnecessary charging in an internal combustion engine. 4,827,891, 5-9-89, Cl. 123-598.000.

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  - Matsushima, Seiya; Yanagisawa, Takeshi; Miura, Nobuo; and Arakawa, Kuniaki, 4,838,113, Cl. 74-551.800.
  - Sakata, Norihiko; and Miura, Nobuo, 4,868,055, Cl. 428-402.000.
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- Miura, Norio, to Sanyo Electric Co., Ltd. Hybrid integrated circuit device capable of being inserted into socket. 4,884,125, 11-28-89, Cl. 357-74.000.
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  - Horiuchi, Hidenaga; Suzuki, Hisao; Aoki, Yuji; and Miura, Norio, 4,816,350, Cl. 428-690.000.
  - Kotera, Noboru; Eguchi, Shusaku; and Miura, Norio, 4,889,996, Cl. 250-484.100.
- Miura, Osamu: *See—*
  - Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, 4,886,573, Cl. 156-643.000.
- Miura, Ryuichi; and Nakao, Toshinobu, to Konishi Co., Ltd.; and Sunkit Co., Ltd. Method of injecting adhesives into cracks. 4,861,401, 8-29-89, Cl. 156-94.000.
- Miura, Satoshi: *See—*
  - Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.
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  - Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
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- Miura, Shinsuke; and Ishizuka, Susumu, to Yamaichi Electric Mfg. Co., Ltd. Specific gravity detector. 4,811,592, 3-14-89, Cl. 73-32.00A.
- Miura, Shinsuke; and Ishizuka, Susumu, to Yamaichi Electric Mfg. Co., Ltd. Viscosity detector. 4,811,593, 3-14-89, Cl. 73-54.000.
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- Miura, Shoshin: *See—*
  - Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
- Miura, Sinji: *See—*
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.
- Miura, Tatsuhiko; and Uno, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Rider-controlled working machine with four-wheel steering system. 4,798,393, 1-17-89, Cl. 280-91.000.
- Miura, Tatsuzo, to NEC Corporation. Automatic dialer for accessing public network directly of via local network. 4,825,463, 4-25-89, Cl. 379-355.000.
- Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, to Seiko Epson Corporation. Liquid crystal shutter. 4,838,657, 6-13-89, Cl. 350-336.000.
- Miura, Teiji; Okamura, Toshihide; Abe, Nobumasa; Yonekubo, Masatoshi; Yoshitaki, Hidetoshi; and Yamazaki, Hideo, to Seiko Epson Corporation. Photosensitive printing apparatus. 4,866,593, 9-12-89, Cl. 346-107.00R.
- Miura, Teiji: *See—*
  - Aoki, Kenji; Nagata, Mitsuo; Nakamura, Haruo; and Miura, Teiji, 4,810,062, Cl. 350-339.00F.
- Miura, Teruo: *See—*
  - Nishizawa, Kuninori; Miura, Teruo; Watanabe, Yoichi; and Takagi, Hirohiko, 4,836,262, Cl. 152-451.000.
- Miura, Teruyoshi: *See—*
  - Hirao, Yoshiaki; Kuga, Ryuichiro; Miura, Teruyoshi; and Nagaoka, Yoshitomi, 4,849,813, Cl. 358-137.000.
- Miura, Tohru; and Nagata, Teruyuki, to Mitsui Toatsu Chemicals, Incorporated. 4,4-bis(4-hydroxyphenyl)cyclohexanecarboxylic acid derivatives and process for preparing same. 4,814,488, 3-21-89, Cl. 560-59.000.
- Miura, Tohru; Watanabe, Katsuju; Nakayama, Hitoshi; Furuya, Masayuki; and Nagata, Teruyuki, to Mitsui Toatsu Chemicals, Inc. Method of purifying 2,4-xylenol. 4,851,590, 7-25-89, Cl. 568-750.000.
- Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, to Mitsui Toatsu Chemicals, Incorporated. Preparation process of 4,4′-biphenol, precursor of same and preparation process of precursor. 4,873,374, 10-10-89, Cl. 568-743.000.
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- Miura, Tokuki; and Yamauchi, Fumio, to NEC Corporation. Unmanned vehicle guidance system. 4,864,207, 9-5-89, Cl. 318-587.000.
- Miura, Tokuki: *See—*
  - Wasa, Yasuhiro; Kondo, Yojiro; and Miura, Tokuki, 4,800,978, Cl. 180-168.000.
- Miura, Tomoko: *See—*
  - Hirata, Keiiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, 4,839,827, Cl. 364-518.000.
  - Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, 4,812,832, Cl 340-709.000.
- Miura, Toshiharu: *See—*
  - Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, 4,821,753, Cl. 134-59.000.
- Miura, Toshihiko; Fujiyama, Masaaki; and Kakuishi, Yutaka, to Fuji Photo Film Co., Ltd. Magnetic recording medium and process for the preparation of the same. 4,844,991, 7-4-89, Cl. 428-694.000.
- Miura, Toshihiko: *See—*
  - Ogawa, Hiroshi; Saito, Shinji; Miura, Toshihiko; Yamazaki, Nobuo; and Araki, Hiroaki, 4,851,289, Cl. 428-329.000.
  - Ogawa, Hiroshi; Saito, Shinji; and Miura, Toshihiko, 4,863,793, Cl. 428-323.000.
- Miura, Tsunemoto: *See—*
  - Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.
- Miura, Tsutomu: *See—*
  - Izumi, Masaki; and Miura, Tsutomu, 4,887,094, Cl. 346-76.0PH.
- Miura, Yashuhiro; and Iwata, Hiromu, to Sumitomo Chemical Company, Limited. Automatic cleaning device for use in the thermoplastics extrusion plastometer. 4,821,576, 4-18-89, Cl. 73-788.000.
- Miura, Yasushi; and Hashimoto, Kenji, to Aisin Seiki Kabushiki Kaisha. Solenoid valve. 4,830,332, 5-16-89, Cl. 251-129.070.
- Miura, Yasushi: *See—*
  - Hashimoto, Kenji; and Miura, Yasushi, 4,832,313, Cl. 251-129.070.
- Miura, Yoshinari: *See—*
  - Takahashi, Katsuaki; Miura, Yoshinari; Osaka, Akiyoshi; and Asada, Masayuki, 4,829,026, Cl. 501-10.000.
- Miura, Yoshio: *See—*
  - Suzuki, Motoyuki; Miura, Yoshio; and Fukushima, Akio, 4,841,511, Cl. 369-50.000.
  - Suzuki, Motoyuki; and Miura, Yoshio, 4,866,695, Cl. 369-266.000.
- Miura, Yutaka: *See—*
  - Taguchi, Jisei; Miura, Yutaka; Iwanaga, Kenji; and Tada, Manabu, 4,879,536, Cl. 335-128.000.
- Miura, Yuuji; and Baba, Noboru, to Hitachi, Ltd. Interference film filter and an optical waveguide and a method for producing the same. 4,846,541, 7-11-89, Cl. 350-96.120.
- Mivelaz, Michael B. Watering system automatic additive dispenser. 4,846,403, 7-11-89, Cl. 239-201.000.
- Miwa, Akihiko: *See—*
  - Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, 4,856,412, Cl. 91-369.200.
  - Sugiura, Yuzuru; and Miwa, Akihiko, 4,843,948, Cl. 91-369.400.
- Miwa, Harufumi; Kashiwada, Minoru; and Goto, Ikuo, to Ajinomoto Company, Inc. Fluorescent analyzer. 4,877,583, 10-31-89, Cl. 422-73.000.
- Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masa[illegible]i, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corp. Semiconductor or integrated circuit device. 4,879,681, 11-7-89, Cl. 365-189.010
- Miwa, Hiroaki: *See—*
  - Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
  - Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,812,346, Cl. 428-65.000.
  - Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, 4,835,027, Cl. 428-64.000.
- Miwa, Hirohide, to Tokyo Koshumosu Denki Kabushiki Kaisha. Automatic answering telephone system using main and auxiliary recording mediums. 4,885,764, 12-5-89, Cl. 379-70.000.
- Miwa, Hiromichi: *See—*
  - Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.
- Miwa, Hiroshi: *See—*
  - Fuse, Genzo; Miwa, Hiroshi; and Kawasaki, Yoshinobu, 4,875,823, Cl. 414-735.000.
  - Kuwajima, Teruaki; Miwa, Hiroshi; and Ishikura, Shinichi, 4,822,831, Cl. 523-421.000.
  - Mizuguchi, Katsumi; Okude, Yoshitaka; Miwa, Hiroshi; and Okuda, Hidefumi, 4,861,839, Cl. 525-506.000.
  - Tani, Toyofumi; and Miwa, Hiroshi, 4,837,649, Cl. 360-104.000.
- Miwa, Katsumi: *See—*
  - Hidaka, Shinobu; Miwa, Katsumi; and Higashi, Masato, 4,862,512, Cl. 382-58.000.
- Miwa, Kazunori, to Nissan Motor Co., Ltd. Thin layer EL panel. 4,877,968, 10-31-89, Cl. 250-484.100.
- Miwa, Kishio; Shimizu, Kazuharu; and Fukui, Hiroaki, to Toray Industries, Inc. Electrode substrate for fuel cell and process for producing the same. 4,851,304, 7-25-89, Cl. 429-40.000.
- Miwa, Kiyoshi; and Sano, Konosuke, to Ajinomoto Co., Inc. Transducible composite plasmid. 4,822,738, 4-18-89, Cl. 435-252.300.

- Miwa, Kiyoshi: *See—*
  - Ishida, Masaaki; Miwa, Kiyoshi; Nakamori, Shigeru; and Sano, Konosuke, 4,885,245, Cl. 435-108.000.
  - Sano, Konosuke; Ito, Koichi; Miwa, Kiyoshi; and Nakamori, Shigeru, 4,861,722, Cl. 435-252.320.
- Miwa, Kohtaro; Igusa, Kazuo; and Ogasawara, Toshichika, to Chugai Seiyaku Kabushiki Kaisha. Process for making a stable pharmaceutical preparation of prostagladin E compounds, and/or 15R forms thereof. 4,871,772, 10-3-89, Cl. 514-573.000.
- Miwa, Masaki: *See—*
  - Yachi, Yoshinori; Kubo, Masachika; Miwa, Masaki; and Ojika, Yoshihiko, 4,832,746, Cl. 106-99.000.
- Miwa, Naoto: *See—*
  - Hori, Makoto; Ogata, Itsuhei; Niwa, Hitoshi; and Miwa, Naoto, 4,831,432, Cl. 357-67.000.
  - Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, 4,834,052, Cl. 123-549.000.
- Miwa, Satoshi: *See—*
  - Kawai, Nobuo; and Miwa, Satoshi, 4,869,073, Cl. 62-160.000.
- Miwa, Tadashi: *See—*
  - Hirota, Fumiyuki; Miwa, Tadashi; and Yamada, Yasushi, 4,869,488, Cl. 271-3.100.
- Miwa, Takashi: *See—*
  - Ito, Toshio; Miwa, Takashi; and Yamagishi, Fujio, 4,797,096, Cl. 433-26.000.
- Miwa, Takeru; and Noda, Iwao, to Kyocera Corporation. Ceramic prosthesis for living body & method of making the same. 4,878,914, 11-7-89, Cl. 623-16.000.
- Miwa, Teiji: *See—*
  - Yamamoto, Yasuhiro; Miwa, Teiji; and Ajima, Tadashi, 4,876,786, Cl. 29-429.000.
- Miwa, Tetsuyuki: *See—*
  - Nogami, Taro; Miwa, Tetsuyuki; and Takahasi, Kenitiro, 4,822,168, Cl. 356-319.000.
- Miwa, Yoshihisa, to Mazda Motor Corporation. Method for manufacturing a gear fit article and gear fit article produced thereby. 4,856,166, 8-15-89, Cl. 29-159.200.
- Miwa, Yoshiyuki; and Miyake, Kazuya, to Kabushiki Kaisha Toshiba. Method for cooking food material of varying volume. 4,818,547, 4-4-89, Cl. 426-233.000.
- Miwa, Yukiharu: *See—*
  - Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, 4,855,799, Cl. 357-23.400.
- Mix, Jerome M.; and Hu, Charles C., to Watt Watcher, Inc., The. Low voltage motion sensor for activating a high voltage load. 4,820,938, 4-11-89, Cl. 307-117.000.
- Mix, Tom: *See—*
  - Bennett, William R.; Mix, Tom; and Smith, James F., 4,802,684, Cl. 280-291.000.
- Mixalloy Limited: *See—*
  - Bellis, John; and Brooks, Nigel J., 4,849,163, Cl. 419-3.000.
- Mixer Systems Inc.: *See—*
  - Strehlow, Robert W., 4,865,457, Cl. 366-18.000.
- Mixon, James L., Jr., to AMP Incorporated. Electrical connector. 4,813,894, 3-21-89, Cl. 439-783.000.
- Miya, Shigenori: *See—*
  - Hagihara, Hisao; Banno, Takayuki; Miya, Shigenori; and Tanaka, Norio, 4,876,778, Cl. 29-157.30A.
- Miya, Shinya; Harada, Masato; Mise, Takaya; and Yamazaki, Hiroshi, to Chisso Corporation; and Institute of Physical & Chemical Research, The. Bis(di-, tri- or tetra-substituted-cyclopentadienyl)-zirconium dihalides. 4,874,880, 10-17-89, Cl. 556-53.000.
- Miya, Tetsuo: *See—*
  - Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, 4,838,916, Cl. 65-3.110.
- Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, to Tokai Rubber Industries, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Fluid-filled elastic cushioning device having stopper block for closing orifice upon excessive load application. 4,844,430, 7-4-89, Cl. 267-140.100.
- Miyaaki, Tohru: *See—*
  - Maeda, Masao; Fukuse, Michiyo; Miyaaki, Tohru; and Miyake, Toshio, 4,889,728, Cl. 426-5.000.
  - Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, 4,855,146, Cl. 426-5.000.
- Miyabayashi, Shigeaki; Kanai, Hiroshi; Oka, Joji; and Matsuura, Yoshikatsu, to Takeda Chemical Industries, Ltd.; and Nippon Steel Corporation. One-can heat-curable resin compositions and precoated metal. 4,861,672, 8-29-89, Cl. 428-458.000.
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- Miyabayashi, Takeshi; and Yamamoto, Takemi, to Brother Kogyo Kabushiki Kaisha. Magnetic recording medium. 4,802,050, 1-31-89, Cl. 360-135.000.
- Miyabayashi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Thin film magnetic recording medium and producing method of the same. 4,810,592, 3-7-89, Cl. 428-668.000.
- Miyabayashi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Method of manufacturing magnetic recording medium. 4,871,582, 10-3-89, Cl. 427-53.100.
- Miyabayashi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Method of making thin film magnetic recording medium. 4,874,637, 10-17-89, Cl. 427-131.000.
- Miyabayashi, Toshio; Sakabe, Nobuyuki; and Zen, Shinichiro, to Japan Synthetic Rubber Co., Ltd. Vinylidene fluoride-acrylic acid ester copolymer, process for producing the same and composition containing the same. 4,861,851, 8-29-89, Cl. 526-255.000.
- Miyabe, Asao: *See—*
  - Sakai, Yoshikatsu; Nakai, Yasuo; Miyabe, Asao; and Kawano, Takafumi, 4,881,160, Cl. 364-161.000.
- Miyabe, Hideki: *See—*
  - Itoh, Yasuhiro; Sakamoto, Katsuji; and Miyabe, Hideki, 4,828,472, Cl. 425-143.000.
- Miyabe, Masanori: *See—*
  - Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.
- Miyabori, Toru: *See—*
  - Kinoshita, Mikio; Ohta, Wasaburo; and Miyabori, Toru, 4,876,984, Cl. 118-723.000.
  - Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
- Miyachi, Nobuaki: *See—*
  - Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, 4,816,835, Cl. 343-700.0MS.
- Miyachi, Yoshihiko, to Fuji Jukogyo Kabushiki Kaisha. Air-fuel ratio control system for an automotive engine. 4,864,997, 9-12-89, Cl. 123-489.000.
- Miyadera, Hiroshi: *See—*
  - Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.
- Miyadera, Yasuo: *See—*
  - Yusa, Masami; Shibata, Katsuji; and Miyadera, Yasuo, 4,833,204, Cl. 525-113.000.
- Miyafuji, Motohisa; and Hosokawa, Isao, to Kabushiki Kaisha Kobe Seiko Sho. Copper alloy excellent in migration resistance. 4,822,562, 4-18-89, Cl. 420-472.000.
- Miyafuzi, Hideaki: *See—*
  - Kambe, Shigemitsu; and Miyafuzi, Hideaki, 4,877,663, Cl. 428-35.500.
- Miyagawa, Fumio; Sakai, Hiroyuki; and Takenouchi, Toshikazu, to Shinko Electric Industries Co., Ltd. Package for mounting a semiconductor chip of ultra-high frequency. 4,890,155, 12-26-89, Cl. 357-74.000.
- Miyagawa, Hiroharu: *See—*
  - Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.
- Miyagawa, Ichirou, to Fuji Photo Film Co., Ltd. Laser optical system. 4,832,446, 5-23-89, Cl. 350-162.120.
- Miyagawa, Ichirou, to Fuji Photo Film Co., Ltd. Semiconductor laser beam splitting device. 4,844,584, 7-4-89, Cl. 350-166.000.
- Miyagawa, Ichirou: *See—*
  - Noguchi, Masaru; Miyagawa, Ichirou; and Horikawa, Kazuo, 4,807,992, Cl. 356-121.000.
  - Noguchi, Masaru; and Miyagawa, Ichirou, 4,832,469, Cl. 350-404.000.
- Miyagawa Kasei Industry Co., Ltd.: *See—*
  - Miyagawa, Shiro, 4,874,679, Cl. 429-91.000.
- Miyagawa, Masashi: *See—*
  - Fukuyama, Shun-ichi; Yoneda, Yasuhiro; Miyagawa, Masashi; and Nishii, Kota, 4,863,833, Cl. 430-286.000.
  - Nakajima, Kazuhiro; Inui, Toshiharu; Ishikawa, Noriyoshi; and Miyagawa, Masashi, 4,847,110, Cl. 427-25.000.
- Miyagawa, Michiaki; Ishizaka, Yutaka; and Shimomura, Shoji, to Fuji Electric Co., Ltd. System for detecting rotational angle of objective pattern. 4,876,732, 10-24-89, Cl. 382-41.000.
- Miyagawa, Michiaki; Oki, Koichi; and Horii, Hiroyuki, to Fuji Electric Company Ltd. System for binary encoding a picture. 4,885,784, 12-5-89, Cl. 382-8.000.
- Miyagawa, Minoru: *See—*
  - Matsubara, Yasushi; Miyagawa, Minoru; and Takahashi, Masanori, 4,882,371, Cl. 523-406.000.
- Miyagawa, Shiro, to Miyagawa Kasei Industry Co., Ltd. Storage battery with indicating device. 4,874,679, 10-17-89, Cl. 429-91.000.
- Miyagawa, Tsutomu: *See—*
  - Tanaka, Motoaki; Miyagawa, Tsutomu; and Takeuchi, Hideo, 4,826,959, Cl. 534-838.000.
  - Yamamoto, Masaki; Okada, Hiroaki; Ogawa, Yasuaki; and Miyagawa, Tsutomu, 4,849,228, Cl. 424-457.000.
- Miyagawa, Yoshiaki: *See—*
  - Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.
- Miyagawa, Yuichi; Yoneda, Kiwamu; Kuwa, Kazuhiro; and Kogo, Katsuyuki, to Sumitomo Electric Industries, Ltd. Automatic calibration apparatus for a partial gas pressure measuring sensor. 4,854,153, 8-8-89, Cl. 73-1.00G.
- Miyagawa, Yukio; Kitayama, Zenzo; Ishiguro, Ikuo; and Suzuki, Yoshimasa, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Fine crystalline thin wire of cobalt base alloy and process for producing the same. 4,863,526, 9-5-89, Cl. 148-3.000.

- Miyagi, Harutoshi; and Ishikawa, Masazumi, to Nissan Motor Co., Ltd. Electrochromic variable color tone nonglaring mirror. 4,832,467, 5-23-89, Cl. 350-357.000.
- Miyagi, Harutoshi: *See—*
  - Kawai, Mikio; Miyagi, Harutoshi; and Ura, Mikio, 4,801,195, Cl. 350-357.000.
- Miyagi, Hideo; Ohya, Fumiaki; Fukushima, Koji; and Adachi, Shin, to Toyota Jidosha Kabushiki Kaisha. System for controlling intake pressure in a supercharged internal combustion engine. 4,800,863, 1-31-89, Cl. 123-559.300.
- Miyagi, Hiroshi; and Ohno, Akihiko, to Nihon Taisanbin Kogyo Kabushiki Kaisha. Apparatus for carrying bottles in bottle making machine. 4,799,947, 1-24-89, Cl. 65-158.000.
- Miyagi, Hiroyuki: *See—*
  - Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, 4,823,168, Cl. 356-246.000.
- Miyagi, Ken, to Canon Kabushiki Kaisha. Image processing apparatus. 4,819,066, 4-4-89, Cl. 355-14.00E.
- Miyagi, Ken: *See—*
  - Kameyama, Toru; and Miyagi, Ken, 4,829,217, Cl. 318-51.000.
  - Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.
- Miyagi, Kunihiko, to Machida Endoscope Co., Ltd. Water-tight endoscope. 4,878,484, 11-7-89, Cl. 128-4.000.
- Miyagi, Mitsunobu: *See—*
  - Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, 4,875,218, Cl. 372-64.000.
- Miyagi, Satoshi: *See—*
  - Kobayashi, Osamu; Miyagi, Satoshi, and Hanabusa, Kazuyoshi, 4,888,571, Cl. 336-65.000.
- Miyagi, Takashi: *See—*
  - Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
- Miyagi, Takeshi: *See—*
  - Nakai, Toshio; Miyagi, Takeshi; and Shimada, Osamu, 4,855,537, Cl. 174-68.500.
- Miyagi, Tatsuo: *See—*
  - Kojima, Hisashi; and Miyagi, Tatsuo, 4,889,667, Cl. 264-40.100.
- Miyagi, Tokuya; Inoue, Akihisa; Ootsubo, Taisuke; and Fujimori, Shoichi, to Kurashiki Boseki Kabushiki Kaisha. Multilayer filter element. 4,826,519, 5-2-89, Cl. 55-487.000
- Miyagi, Yoshimitsu: *See—*
  - Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.
- Miyagi, Yukio: *See—*
  - Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.
- Miyagishi, Tetsuya: *See—*
  - Hamakawa, Yoshihiro; Koike, Funio; and Miyagishi, Tetsuya, 4,820,915, Cl. 250-211.00J.
- Miyagisima, Takao; and Oohashi, Kazuyuki, to Oki Electric Industry Co., Ltd. Automatic transaction apparatus. 4,804,830, 2-14-89, Cl. 235-379.000.
- Miyaguchi, Masanobu: *See—*
  - Watanabe, Junichi; Misumi, Kozo; Miyaguchi, Masanobu; Kadomatsu, Seiji; and Nakazawa, Sei, 4,822,838, Cl. 524-178.000.
- Miyaguchi, Shoji: *See—*
  - Shimizu, Akihiro; and Miyaguchi, Shoji, 4,850,019, Cl. 380-29.000.
- Miyahara, Junji: *See—*
  - Arakawa, Satoshi; Miyahara, Junji; and Takahashi, Kenji, 4,800,136, Cl. 428-690.000.
  - Hosoi, Yuichi; and Miyahara, Junji, 4,803,359, Cl. 250-327.200.
  - Hosoi, Yuichi; and Miyahara, Junji, 4,889,990, Cl. 250-327.200.
  - Matsuda, Terumi; Aagano, Toshitaka; Miyahara, Junji; Nakajima, Nobuyoshi; and Saotome, Shigeru, 4,813,880, Cl. 250-327.200.
  - Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,801,801, Cl. 250-327.200.
  - Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.
  - Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.
  - Shiraishi, Hisashi; Miyahara, Junji; and Kato, Hisatoyo, 4,865,967, Cl. 435-6.000.
- Miyahara, Kazuhiro: *See—*
  - Yasuda, Keiji; Nakasako, Kazuo; and Miyahara, Kazuhiro, 4,856,987, Cl. 432-128.000.
- Miyahara, Kenichiro: *See—*
  - Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.
- Miyahara, Kingo, to Dowa Co., Ltd. Fuel gasifying burner. 4,813,865, 3-21-89, Cl. 431-168.000.
- Miyahara, Kingo, to Dowa Co., Ltd. Fuel gasifying burner. 4,828,975, 5-9-89, Cl. 431-168.000.
- Miyahara, Masaaki; Matsui, Atsuo; Shimizu, Koh; Ihara, Hirokazu; and Miyazawa, Teruo, to Nissei Jushi Kogyo Kabushiki Kaisha. Apparatus for molding a head end an a tubular container. 4,834,638, 5-30-89, Cl. 425-116.000.
- Miyahara, Masahiko: *See—*
  - Setaka, Yousuke; Yanase, Sumio; Takeuchi, Kanji; and Miyahara, Masahiko, 4,881,414, Cl. 73-862.330.
- Miyahara, Masayoshi: *See—*
  - Takagi, Masao; Miyahara, Masayoshi; and Toshikuni, Nobuyuki, 4,824,128, Cl. 180-53.100.
- Miyahara, Michito: *See—*
  - Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, 4,796,127, Cl. 360-103.000.
  - Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Mohri, Shigeki; and Nagano, Mitsuyoshi, 4,814,915, Cl. 360-103.000.
  - Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
- Miyahara, Noriyuki: *See—*
  - Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.
- Miyahara, Shoichiro: *See—*
  - Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, 4,879,411, Cl. 562-401.000.
- Miyahara, Yoshiki: *See—*
  - Kubo, Eiichi; Nagaoka, Koichi; Miyahara, Yoshiki, Kiriyama, Syunichi; and Mishima, Yasunobu, 4,874,666, Cl. 428-398.000.
- Miyahara, Yoshinori: *See—*
  - Hasegawa, Kazuo; and Miyahara, Yoshinori, 4,804,242, Cl. 350-96.200.
  - Hasegawa, Kazuo; and Miyahara, Yoshinori, 4,804,244, Cl. 350-96.200.
- Miyahara, Youjirou: *See—*
  - Omae, Tsutomu; Matsuda, Toshihiko; Miyahara, Youjirou; and Kamiyama, Kenzo, 4,839,834, Cl. 364-565.000.
- Miyahira, Ronald T.; and Fasen, Kenneth, to H. M. Electronics, Inc. Wireless optical communication system. 4,882,770, 11-21-89, Cl. 455-603.000.
- Miyai, Seiichi; and Akamatsu, Junichi, to Sony Corp. Optically recordable carrier. 4,807,220, 2-21-89, Cl. 369-286.000.
- Miyairi, Hidesuke: *See—*
  - Takeuchi, Giichi; Sato, Masanobu; and Miyairi, Hidesuke, 4,805,058, Cl. 360-119.000.
- Miyairi, Kazuki, to Nissei Jushi Kogyo Kabushiki Kaisha. Mold for plastic molding. 4,867,668, 9-19-89, Cl. 425-192.00R.
- Miyaishi, Yoshinori; and Sakakibara, Shiro, to Aisin Warner Kabushiki Kaisha. Endless transmission belt. 4,822,323, 4-18-89, Cl. 474-242.000.
- Miyaishi, Yoshinori: *See—*
  - Sakakibara, Shiro, Miyaishi, Yoshinori; and Furuya, Takashi, 4,838,844, Cl. 474-240.000.
  - Sakakibara, Shiro; Miyaishi, Yoshinori; and Kano, Yoshiaki, 4,878,887, Cl. 474-245.000.
- Miyaji, Akira: *See—*
  - Hikima, Ikuo; Miyaji, Akira; Kamiya, Saburo; and Tanimoto, Akikazu, 4,820,899, Cl. 219-121.760.
  - Tanimoto, Akikazu; Tanaka, Issei; and Miyaji, Akira, 4,870,452, Cl. 355-53.000.
- Miyaji, Hidetoshi: *See—*
  - Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, Cl. 123-617.000.
- Miyaji, Hiromasa; and Itoh, Seiga, to Kyowa Hakko Kogyo Co., Ltd. Novel human interleukin-2 polypeptide derivative. 4,851,512, 7-25-89, Cl. 530-351.000.
- Miyaji, Hiroshi: *See—*
  - Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000.
- Miyaji, Hiroyuki: *See—*
  - Okushiro, Susumu; Ikegami, Eitaro; Higashiyama, Seiichi; and Miyaji, Hiroyuki, 4,831,073, Cl. 524-424.000.
- Miyaji, Katsuaki; Arai, Kazutaka; Ohara, Yoshio; and Takahashi, Yasuhiro, to Nissan Chemical Industries Ltd. Optically active bicyclo carboxylic acids and their derivatives. 4,837,344, 6-6-89, Cl. 549-319.000.
- Miyaji, Takashi, to Sharp Kabushiki Kaisha. A developing device for an electrophotographic copying machine. 4,845,523, 7-4-89, Cl. 355-211.000.
- Miyaji, Takashi, to Sharp Kabushiki Kaisha. Developer mixer for electrophotographic copying machine. 4,887,911, 12-19-89, Cl. 366-316.000.
- Miyaji, Wakaki, to Mitsubishi Denki Kabushiki Kaisha. Solenoid switch for use in engine starter motor. 4,825,180, 4-25-89, Cl. 335-131.000.
- Miyajima, Akira, to Citizen Watch Co., Ltd. Matrix drive liquid crystal display device with high horizontal resolution and low duty ratio. 4,805,994, 2-21-89, Cl. 350-336.000.
- Miyajima, Goh; and Takahashi, Takao, to Hitachi, Ltd. Permanent magnet device. 4,816,796, 3-28-89, Cl. 335-306.000.
- Miyajima, Jun: *See—*
  - Toriu, Jirou; Ohno, Katsuhiro; and Miyajima, Jun, 4,837,922, Cl. 29-603.000.
- Miyajima, Kiyoshi: *See—*
  - Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.

- Miyajima, Masao: *See—*
  - Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
- Miyajima, Masatake: *See—*
  - Yonezawa, Keitaro; and Miyajima, Masatake, 4,827,839, Cl. 100-53.000.
- Miyajima, Mikako: *See—*
  - Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
- Miyajima, Motoshu: *See—*
  - Tabata, Akira; Miyajima, Motoshu; and Kawaguchi, Kazushi, 4,824,794, Cl. 437-33.000.
- Miyajima, Ryuichi: *See—*
  - Wakabayashi, Hidehiko; Tsubuku, Takako; Ueda, Youichi; and Miyajima, Ryuichi, 4,849,238, Cl. 426-537.000.
- Miyajima, Takeshi: *See—*
  - Mizukoshi, Masahito; Kawasaki, Eishi; Miyajima, Takeshi; and Fukazawa, Takeshi, 4,881,056, Cl. 338-4.000.
- Miyajima, Toshiaki: *See—*
  - Awane, Katunobu; Koba, Masayoshi; Miyajima, Toshiaki; and Maekawa, Masashi, 4,801,351, Cl. 156-603.000.
- Miyajima, Yoshikazu; and Shiho, Makoto, to Canon Kabushiki Kaisha. Recording head for magneto-optical information recording apparatus. 4,843,600, 6-27-89, Cl. 369-13.000.
- Miyajima, Yuko: *See—*
  - Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.
- Miyakama, Tadashi: *See—*
  - Mizutani, Shigemitsu; Yamaguchi, Jun; and Miyakama, Tadashi, 4,833,488, Cl. 346-76.0PH.
- Miyakawa, Hideaki; and Kameyama, Makoto, to Canon Kabushiki Kaisha. Method for manufacturing a magnetic head for performing high density recording and reproducing. 4,868,972, 9-26-89, Cl. 29-603.000.
- Miyakawa, Hideaki; and Kameyama, Makoto, to Canon Kabushiki Kaisha. Magnetic head having a thin-film and a coil. 4,884,156, 11-28-89, Cl. 360-121.000.
- Miyakawa, Hideaki: *See—*
  - Seki, Mitsuaki; Watanabe, Satoshi; and Miyakawa, Hideaki, 4,881,833, Cl. 400-185.000.
  - Yoneda, Kou; Miyakawa, Hideaki; and Hara, Shinichi, 4,839,762, Cl. 360-107.000.
- Miyakawa, Keiichi: *See—*
  - Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
- Miyakawa, Minekazu, to Iizuka Electric Industry Co., Ltd. Switch for detecting erroneous erase protection fin of tape cassette. 4,888,457, 12-19-89, Cl. 200-283.000.
- Miyakawa, Mutsuhiro: *See—*
  - Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.
- Miyakawa, Nobuaki: *See—*
  - Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, 4,829,479, Cl. 365-189.090.
  - Ueno, Masahiro; Kurita, Kozaburo; Masuda, Ikuro; and Miyakawa, Nobuaki, 4,797,583, Cl. 307-475.000.
- Miyakawa, Seiichi: *See—*
  - Kani, Yasuyuki; Ohdake, Eishu; and Miyakawa, Seiichi, 4,811,158, Cl. 361-230.000.
  - Matsumoto, Kazuyoshi; Miyakawa, Seiichi; Ohdake, Eishu; and Suzuki, Shigeru, 4,803,593, Cl. 361-225.000.
- Miyakawa, Shinji: *See—*
  - Tanahashi, Haruhiko; Tsukamoto, Yoshikazu; and Miyakawa, Shinji, 4,877,262, Cl. 280-668.000.
- Miyakawa, Tadashi, to Fuji Photo Film Co., Ltd. Method of changing image magnification. 4,862,285, 8-29-89, Cl. 358-451.000.
- Miyakawa, Tadashi: *See—*
  - Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.
  - Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.
  - Urabe, Hitoshi; Miyakawa, Tadashi; Shimazaki, Osamu; Kudo, Hisashi; and Kimura, Hideaki, 4,845,550, Cl. 358-80.000.
- Miyakawa, Tsutomu: *See—*
  - Ikedo, Yuji; Miyakawa, Tsutomu; Okajima, Takahiro; and Miyake, Masahiko, 4,809,252, Cl. 369-34.000.
  - Ikedo, Yuji; Okajima, Takahiro; Miyake, Masahiko; and Miyakawa, Tsutomu, 4,811,319, Cl. 369-39.000.
- Miyakawa, Yasuhiro; and Machida, Minoru, to NGK Insulators, Ltd. Precombustion chamber construction for internal combustion engine. 4,844,037, 7-4-89, Cl. 123-270.000.
- Miyakawa, Yasuhiro; and Machida, Minoru, to NGK Insulators, Ltd. Precombustion chamber construction for an internal combustion engine. 4,875,939, 10-24-89, Cl. 123-271.000.
- Miyakawa, Yasuhiro: *See—*
  - Wakasa, Akinori; Machida, Minoru; Miyakawa, Yasuhiro; and Asami, Seiichi, 4,856,472, Cl. 123-270.000.
- Miyakawa, Yasumi; and Ide, Tatsuki, to Matsushita Electric Industrial Co., Ltd. Solid-state color television camera with color and luminance signal correction. 4,887,252, 12-12-89, Cl. 358-48.000.
- Miyakawa, Yoshitaka: *See—*
  - Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, 4,881,449, Cl. 91-372.000.
- Miyake, Akio; Yoshimura, Yoshinobu; and Numata, Mitsuo, to Takeda Chemical Industries, Ltd. 1-acyloxyalkyl esters of cephalosporins. 4,797,395, 1-10-89, Cl. 514-206.000.
- Miyake, Akio; Kondo, Masahiro; and Fujino, Masahiko, to Takeda Chemical Industries, Ltd. 3-condensed imidazolium-cephem compounds. 4,864,022, 9-5-89, Cl. 540-222.000.
- Miyake, Akio: *See—*
  - Ishiguro, Shoji; Hirano, Shigeo; Shishido, Tadao; and Miyake, Akio, 4,873,172, Cl. 430-264.000.
  - Nishimura, Tatsuo; Yoshimura, Yoshinobu; Miyake, Akio; and Hashimoto, Naoto, 4,819,351, Cl. 514-206.000.
  - Oka, Yoshikazu; Nishikawa, Kohei; and Miyake, Akio, 4,822,[illegible] Cl. 514-529.000.
- Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushima, Kun[illegible] and Sakemoto, Akito, to Hitachi Maxell, Ltd. Magnetic disc. 4,828,925, 5-9-89, Cl. 428-425.900.
- Miyake, Akira: *See—*
  - Asada, Seiichi; Sueyoshi, Toshinobu; and Miyake, Akira, 4,874,[illegible] Cl. 428-403.000.
  - Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, 4,797,321, Cl. 428-328.000.
  - Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; and Miyake, Akira, 4,820,565, Cl. 428-64.000.
- Miyake, Eiichi. Exposure apparatus employed for fabricating printed circuit boards. 4,842,412, 6-27-89, Cl. 356-401.000.
- Miyake, Eiichi. Exposing apparatus used in fabrication of printed circuit boards. 4,888,488, 12-19-89, Cl. 250-492.100.
- Miyake, Haruhisa; Shin-ya, Seiji; and Furukawa, Yutaka, to Asahi Glass Company, Ltd. Fluorosilicone polymer, processes for the production thereof and composition containing it. 4,814,418, 3-21-89, Cl. 528-37.000.
- Miyake, Hideo: *See—*
  - Maeda, Satoshi; Yoneda, Ryu; Yokota, Kenichi; and Miyake, Hideo, 4,888,208, Cl. 427-96.000.
- Miyake, Hideyo: *See—*
  - Ito, Yoshito; Miyake, Hideyo; and Tamagawa, Hiroshi, 4,827,[illegible] Cl. 141-83.000.
- Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yu[illegible] Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, to Takenaka Komuten Co., Ltd.; and Oiles Industry Co., Ltd. Method of applying floor vibration-damping work and vibration-damping floor device. 4,805,359, 2-21-89, Cl. 52-167.000.
- Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, to Canon Kabushiki Kaisha. Original scanning apparatus. 4,870,448, 9-26-89, Cl. 355-235.000.
- Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, to Canon Kabushiki Kaisha. Image forming apparatus. 4,872,035, 10-3-89, Cl. 355-208.000.
- Miyake, Hiroyuki: *See—*
  - Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Ka[illegible] Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.
- Miyake, Hitomi; and Nishimura, Shigeru, to Kawasaki Jukogyo Kabushiki Kaisha. Two-cylinder engine. 4,870,928, 10-3-89, Cl. 123-52.0MV.
- Miyake, Hitomi: *See—*
  - Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.
  - Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.
  - Tamba, Shinichi; and Miyake, Hitomi, 4,873,945, Cl. 123-55.00R.
- Miyake, Isao: *See—*
  - Koshida, Yoshinori; Miyake, Isao; Okazaki, Yasuo; Motoi, Nobuhiro; and Nakaya, Mitsuru, 4,889,978, Cl. 235-379.000.
- Miyake, Isumi; Kaneko, Kiyotaka; Konishi, Masahiro; Horio, Motohiko; and Ogata, Kazutsugu, to Fuji Photo Film Co., Ltd.; and Fuji Photo Optical Co., Ltd. Variable mode electronic still camera including optical and electronic view finders. 4,802,020, 1-31-89, Cl. 358-342.000.
- Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, to Fuji Photo Film Co., Ltd. Motor control apparatus effecting phase control on rotating body. 4,803,568, 2-7-89, Cl. 360-33.100.
- Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, to Fuji Photo Film Co., Ltd. Still video camera with continuous picture-taking mode. 4,825,324, 4-25-89, Cl. 360-35.100.
- Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, to Fuji Photo Film Co., Ltd. Still video camera with color balance adjustment circuit responsive to shutter release switch and strobe light ready signal. 4,827,332, 5-2-89, Cl. 358-29.000.
- Miyake, Izumi; Kaneko, Kiyotaka; Oda, Kazuya; and Nakadai, Katsuo, to Fuji Photo Film Co., Ltd. Apparatus for controlling playback head tracking for rotary recording medium using average peak envelope position. 4,835,631, 5-30-89, Cl. 360-77.040.

- Miyake, Izumi: *See—*
  - Iwase, Yoshiki; Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,804,925, Cl. 329-50.000.
  - Kaneko, Kiyotaka; Oda, Kazuya; Takahashi, Kimihide; and Miyake, Izumi, 4,800,448, Cl. 360-35.100.
  - Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,811,133, Cl. 360-77.030.
- Miyake, Jiro: *See—*
  - Okamoto, Tadashi; Kadota, Hiroshi; Miyake, Jiro; Okabayashi, Ichiro; and Maeda, Yoshinori, 4,879,687, Cl. 365-200.000.
- Miyake, Joji: *See—*
  - Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.
- Miyake, Junichi: *See—*
  - Yamaguchi, Kouji; Ishikawa, Yoshikazu; Kameda, Toshihiro; Hattori, Shogo; and Miyake, Junichi, 4,860,708, Cl. 123-399.000.
- Miyake, Junji: *See—*
  - Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, 4,860,211, Cl. 364-431.050.
  - Manaka, Toshio; Teragakiuchi, Akira; Sakamoto, Masahide; Nagano, Masami; Fujishita, Masakatsu; and Miyake, Junji, 4,862,855, Cl. 123-489.000.
  - Morita, Kiyomi; Miyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,571, Cl. 123-492.000.
- Miyake, Katsumi: *See—*
  - Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,867,537, Cl. 350-339.00F.
  - Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,881,797, Cl. 350-339.00F.
- Miyake, Katsunobu; Horii, Hiroshi; and Ikoma, Kenji, to Kurimoto, Ltd. Valve casing for use in a butterfly valve. 4,805,874, 2-21-89, Cl. 251-306.000.
- Miyake, Katsuya: *See—*
  - Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,825,371, Cl. 364-426.020.
  - Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,870,582, Cl. 364-426.020.
  - Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, 4,797,825, Cl. 364-426.020.
- Miyake, Kazutoshi: *See—*
  - Onuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.
  - Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, 4,803,276, Cl. 546-121.000.
- Miyake, Kazuya: *See—*
  - Miwa, Yoshiyuki; and Miyake, Kazuya, 4,818,547, Cl. 426-233.000.
- Miyake, Kiyoshi: *See—*
  - Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
  - Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.
- Miyake, Kou: *See—*
  - Machida, Takashi; Miyake, Kou; Fujisaki, Hirotaka; and Mouri, Hiroshi, 4,882,767, Cl. 455-117.000.
- Miyake, Masahiko: *See—*
  - Ikedo, Yuji; Miyakawa, Tsutomu; Okajima, Takahiro; and Miyake, Masahiko, 4,809,252, Cl. 369-34.000.
  - Ikedo, Yuji; Okajima, Takahiro; Miyake, Masahiko; and Miyakawa, Tsutomu, 4,811,319, Cl. 369-39.000.
- Miyake, Masao: *See—*
  - Murao, Yoshikazu; and Miyake, Masao, 4,837,337, Cl. 548-551.000.
- Miyake, Masato: *See—*
  - Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
  - Shimoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.
- Miyake, Masaya: *See—*
  - Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, 4,886,709, Cl. 428-552.000.
- Miyake, Miyuki; Toda, Haruhiko; and Yasu, Minako, to Lion Corporation. Hiar cosmetic composition. 4,885,159, 12-5-89, Cl. 424-70.000.
- Miyake, Mutsuko: *See—*
  - Harada, Yutaka; Yano, Shinichiro; Miyake, Mutsuko; Kawabe, Ushio; and Nishino, Toshikazu, 4,888,629, Cl. 357-5.000.
  - Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio, 4,884,111, Cl. 357-05.000.
- Miyake, Nobuhiko: *See—*
  - Sato, Isao; Miyake, Nobuhiko; and Nishida, Souji, 4,874,259, Cl. 384-445.000.
- Miyake, Nobuyuki: *See—*
  - Morohashi, Kazuo; Miyake, Nobuyuki; and Gonda, Tsunemi, 4,798,457, Cl. 351-235.000.
  - Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.
- Miyake, Norihisa; and Sumita, Masaki, to Hitachi, Ltd.; and Hitachi Keiyo Engineering Co., Ltd. Method for controlling operation of industrial robot. 4,887,222, 12-12-89, Cl. 364-513.000.
- Miyake, Osamu: *See—*
  - Kawata, Shouji; Miyake, Osamu; and Suzumura, Nobuyasu, 4,845,621, Cl. 364-426.040.
- Miyake, Ryo; Ohki, Hiroshi; and Yamazaki, Isao, to Hitachi, Ltd. Photoanalysis apparatus with means for correcting flow rate of fluid carrying particles and/or position of applied light beam for examination and photoanalysis method therefor. 4,863,264, 9-5-89, Cl. 356-39.000.
- Miyake, Shigeru, to Ricoh Company, Ltd. Electrically trimmable semiconductor device. 4,814,640, 3-21-89, Cl. 307-303.000.
- Miyake, Shin-Ichi: *See—*
  - Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.
- Miyake, Shinichi; and Miyasaka, Shinji, to Sumitomo Electric Industries, Ltd. Method and apparatus for incubating cells. 4,812,392, 3-14-89, Cl. 435-3.000.
- Miyake, Takanori; Sekizawa, Kazuhiko; Hironaka, Toshio; and Tsutsumi, Yukihiro, to Tosoh Corporation. Process for producing halogenated benzene derivative using zeolite catalyst. 4,861,929, 8-29-89, Cl. 570-209.000.
- Miyake, Takanori: *See—*
  - Sekizawa, Kazuhiko; Miyake, Takanori; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,849,560, Cl. 570-208.000.
- Miyake, Tetsuo: *See—*
  - Miyazawa, Tatsuo; Yokoyama, Shigeyuki; and Miyake, Tetsuo, 4,879,223, Cl. 435-68.000.
- Miyake, Tomohisa; Kataigi, Tsutomu; and Shinozuka, Toshinobu, to Tokyo Juki Industrial Co., Ltd. Printer platen motor controller. 4,863,295, 9-5-89, Cl. 400-54.000.
- Miyake, Tomoyuki: *See—*
  - Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, 4,858,212, Cl. 369-13.000.
- Miyake, Toru; and Nakano, Yasushi, to Konishiroku Photo Industry Co., Ltd. Magnetic recording medium. 4,812,358, 3-14-89, Cl. 428-323.000.
- Miyake, Toshi: *See—*
  - Hijiya, Hiromi; Mitsuhashi, Masakazu; and Miyake, Toshi, 4,831,022, Cl. 514-58.000.
- Miyake, Toshifumi: *See—*
  - Azegami, Osamu; and Miyake, Toshifumi, 4,818,380, Cl. 209-565.000.
- Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process for producing high-purity oligoglucosylfructosides. 4,843,156, 6-27-89, Cl. 536-127.000.
- Miyake, Toshio: *See—*
  - Koyama, Shunsaku; and Miyake, Toshio, 4,824,938, Cl. 530-351.000.
  - Maeda, Masao; Fukuse, Michiyo; Miyaaki, Tohru; and Miyake, Toshio, 4,889,728, Cl. 426-5.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,803,077, Cl. 424-439.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,810,827, Cl. 514-53.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,812,444, Cl. 514-53.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,272, Cl. 426-331.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,445, Cl. 514-53.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,826,825, Cl. 514-53.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,849,225, Cl. 424-439.000.
  - Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,870,059, Cl. 514-53.000.
- Miyake, Tuguo: *See—*
  - Iwami, Hidefumi; Tabata, Kuniaki; Machida, Tetsuo; Miyake, Tuguo; and Murata, Fumiya, 4,829,294, Cl. 340-723.000.
- Miyake, Yasuhiko; and Manzawa, Katsuyuki, to Japan Tobacco, Inc. Tobacco leaf-stripping machine. 4,836,220, 6-6-89, Cl. 460-130.000.
- Miyake, Yasuo: *See—*
  - Ichikawa, Masaki; Watanabe, Sumio; and Miyake, Yasuo, 4,844,905, Cl. 424-451.000.
  - Kakimoto, Fumio; Asakawa, Naoki; Ishibashi, Yasuo; and Miyake, Yasuo, 4,837,022, Cl. 424-94.300.
  - Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, 4,806,809, Cl. 310-75.00D.
  - Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, 4,827,062, Cl. 514-690.000.
- Miyake, Yoichi: *See—*
  - Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.
- Miyake, Yoshihiko: *See—*
  - Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.
- Miyake, Yoshiyuki: *See—*
  - Maruyama, Tsutomu; Matsumoto, Hidetoshi; and Miyake, Yoshiyuki, 4,882,209, Cl. 428-34.100.

- Miyaki, Kazuyuki: *See—*
  - Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, 4,807,204, Cl. 369-13.000.
  - Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, 4,865,407, Cl. 350-96.120.
- Miyaki, Takeo: *See—*
  - Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.
- Miyaki, Yuji: *See—*
  - Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane. Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.
- Miyakoshi, Kazumitsu; and Nakaya, Mitsuyoshi, to Sharp Kabushiki Kaisha. Digital-to-analog converter system. 4,812,815, 3-14-89, Cl. 455-612.000.
- Miyakoshi, Kazumitsu: *See—*
  - Asai, Shin; Miyakoshi, Kazumitsu; and Mochisuki, Daisuke, 4,817,025, Cl. 364-724.010.
- Miyakoshi, Masanobu: *See—*
  - Ikeno, Masayuki; Miyakoshi, Masanobu; and Inomata, Hiroshi, 4,818,805, Cl. 528-15.000.
- Miyakoshi Printing Machinery Co., Ltd.: *See—*
  - Ichikawa, Haruo; Kanno, Ryoichi; and Kiyomiya, Masayuki, 4,887,531, Cl. 101-216.000.
- Miyakoshi, Shinichi: *See—*
  - Watanabe, Yoshimi; Miyakoshi, Shinichi; and Goto, Kenichi, 4,840,152, Cl. 123-52.0MV.
- Miyakusu, Katsuhisa: *See—*
  - Hoshino, Kazuo; Miyakusu, Katsuhisa; and Shimizu, Isami, 4,824,635, Cl. 420-42.000.
  - Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,812,176, Cl. 148-12.0EA.
  - Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,824,491, Cl. 148-12.0EA.
- Miyama, Akimasa: *See—*
  - Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.
- Miyama & Co., Ltd.: *See—*
  - Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama, Goudai, 4,806,724, Cl. 219-121.680.
- Miyama, Hidetoshi; Sugimoto, Masanori; and Kawaguchi, Kouji, to Amada Company, Limited. Laser-punch composite processing machine. 4,889,968, 12-26-89, Cl. 219-121.700.
- Miyama, Hidetoshi: *See—*
  - Ikeda, Hidekatsu; Miyama, Hidetoshi; and Kashiwabara, Yoshihiko, 4,802,567, Cl. 198-345.000.
- Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, to Matsushita Electric Industrial Co., Ltd. Display device with vibration-preventing plate for line cathodes. 4,804,887, 2-14-89, Cl. 313-495.000.
- Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, to Matsushita Electric Industrial Co., Ltd. Electron beam scanning display apparatus with cathode vibration suppression. 4,812,716, 3-14-89, Cl. 315-366.000.
- Miyama, Hiroshi: *See—*
  - Watanabe, Yoshio; Nakayama, Yasuhiko; Furuya, Nobuaki; and Miyama, Hiroshi, 4,796,134, Cl. 360-125.000.
- Miyama, Kenji: *See—*
  - Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-400.000.
- Miyama Kogyo Kabushiki Kaisha: *See—*
  - Takahashi, Eizo, 4,842,784, Cl. 264-1.900.
- Miyama, Masao: *See—*
  - Yamada, Toyokazu; Miyama, Masao; Sugimura, Hideo; and Shinohara, Takeshi, 4,842,951, Cl. 428-516.000.
- Miyama, Syuuji; and Ohkumo, Hiroya, to Fuji Jukogyo Kabushiki Kaisha. Fuel supply control system for an automotive engine. 4,846,127, 7-11-89, Cl. 123-325.000
- Miyamae, Fumihiko: *See—*
  - Nakahashi, Sumio; Miyamae, Fumihiko; and Seike, Nobuki, 4,830,899, Cl. 428-137.000.
- Miyamaru, Tsuneo, to Toyota Jidosha Kabushiki Kaisha. Coolant outlet element for use in cooling system of internal combustion engine. 4,874,254, 10-17-89, Cl. 374-208.000.
- Miyamori, Shigeyo: *See—*
  - Shimozawa, Toru; Miyamori, Shigeyo; and Nishimatsu, Masaharu, 4,810,555, Cl. 428-141.000.
- Miyamori, Takao; Numazawa, Ryozo; Sakimae, Akihiro; and Onishi, Hisao, to Mitsubishi Rayon Co., Ltd. Method of producing hyaluronic acid. 4,885,244, 12-5-89, Cl. 435-101.000.
- Miyamoto, Eiichi; Mutou, Nariaki; and Nakazawa, Tooru, to Mita Industrial Co., Ltd. Electrophotographic sensitive material. 4,877,702, 10-31-89, Cl. 430-72.000.
- Miyamoto, Fumitaka; and Kato, Daisaku, to Victor Company of Japan, Ltd. Video signal processing apparatus. 4,855,831, 8-8-89, Cl. 358-183.000.
- Miyamoto, Fumiyuki: *See—*
  - Doi, Makoto; Nakajima, Hiroyukio; Miyamoto, Fumiyuki; Oka, Seiji; and Nonogaki, Mitsuhiro, 4,882,389, Cl. 525-310.000.
- Miyamoto, Hidenori: *See—*
  - Sousa, Toshio; Wakamiya, Koichi; Wakabayashi, Hiroshi; Kanai, Hachiro; and Miyamoto, Hidenori, 4,871,242, Cl. 350-431.000.
  - Wakabayashi, Hiroshi; Kazami, Kazuyuki; Sosa, Toshio; and Miyamoto, Hidenori, 4,825,235, Cl. 354-195.120.
  - Wakabayashi, Hiroshi; Tsukahara, Daiki; Machida, Kiyosada; Katano, Yuji; and Miyamoto, Hidenori, 4,843,411, Cl. 354-187.000.
  - Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.
- Miyamoto, Hirohisa; and Matsuuchi, Yasuyuki, to Minolta Camera Kabushiki Kaisha. Illuminating device for image exposure. 4,853,739, 8-1-89, Cl. 355-229.000.
- Miyamoto, Hirohisa; and Kusumoto, Keiji, to Minolta Camera Kabushiki Kaisha. Copying apparatus capable of forming various types of images. 4,868,606, 9-19-89, Cl. 355-218.000.
- Miyamoto, Hirohisa; and Kinoshita, Naoyoshi, to Minolta Camera Kabushiki Kaisha. Image forming apparatus having a plurality of developing devices. 4,890,138, 12-26-89, Cl. 355-246.000.
- Miyamoto, Hirohisa: *See—*
  - Hashimoto, Kaoru; and Miyamoto, Hirohisa, 4,855,787, Cl. 355-311.000.
- Miyamoto, Hiroshi; and Yamada, Michihiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory having divided bit lines and individual sense amplifiers. 4,803,663, 2-7-89, Cl. 365-189.000.
- Miyamoto, Hiroshi: *See—*
  - Kikuda, Shigeru; and Miyamoto, Hiroshi, 4,879,679, Cl. 365-149.000.
  - Yamada, Michihiro; and Miyamoto, Hiroshi, 4,855,613, Cl. 307-202.100.
  - Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, 4,870,620, Cl. 365-222.000.
- Miyamoto, Hisashi: *See—*
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,855,292, Cl. 514-312.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,874,764, Cl. 514-254.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,880,806, Cl. 514-249.000.
- Miyamoto, Isao: *See—*
  - Mikata, Yoshitaka; Higuchi, Tadashi; and Miyamoto, Isao, 4,813,205, Cl. 53-53.000.
- Miyamoto, Junichi, to Kabushiki Kaisha Toshiba. Input protection circuit. 4,868,621, 9-19-89, Cl. 357-23.130.
- Miyamoto, Kaname: *See—*
  - Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.
- Miyamoto, Kazuki: *See—*
  - Miura, Makoto; Miyamoto, Kazuki; and Ishida, Masato, 4,882,669, Cl. 364-184.000.
- Miyamoto, Kazuo: *See—*
  - Tamura, Mitsuhiko; Miyamoto, Masaaki; and Miyamoto, Kazuo, 4,840,995, Cl. 525-133.000.
- Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki, to Hitachi, Ltd. Semiconductor device and method of manufacturing thereof. 4,822,989, 4-18-89, Cl. 235-492.000.
- Miyamoto, Kenji: *See—*
  - Sugiura, Hidemi; Ukai, Mikio; and Miyamoto, Kenji, 4,852,891, Cl. 277-212.0FB.
- Miyamoto, Kimiaki, to Fuji Photo Film Co., Ltd. Method and apparatus for coating. 4,842,900, 6-27-89, Cl. 427-348.000.
- Miyamoto, Koji: *See—*
  - Kamise, Katsuya; Yamamoto, Shigeru; Hosokai, Tetsuaki; and Miyamoto, Koji, 4,856,481, Cl. 123-425.000.
- Miyamoto, Kouichi: *See—*
  - Suzumura, Koji; Fujiwara, Hunihiko; Matsuo, Naoya; and Miyamoto, Kouichi, 4,805,569, Cl. 123-308.000.
- Miyamoto, Mamoru: *See—*
  - Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, 4,820,316, Cl. 55-18.000.
- Miyamoto, Masaaki; Kamoshida, Eiichi; and Takida, Hiroshi, to Mitsubishi Chemical Industries Limited; and Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Resin composition of a saponified ethylene vinyl acetate copolymer and a polyamide resin. 4,795,781, 1-3-89, Cl. 525-58.000.
- Miyamoto, Masaaki: *See—*
  - Koga, Shinichiro; Miyamoto, Masaaki; and Nakanishi, Hidemi, 4,810,753, Cl. 525-183.000.
  - Tamura, Mitsuhiko; Miyamoto, Masaaki; Ueda, Masaya; and Kamoshida, Eiichi, 4,804,720, Cl. 525-431.000.
  - Tamura, Mitsuhiko; Miyamoto, Masaaki; and Miyamoto, Kazuo, 4,840,995, Cl. 525-133.000.
- Miyamoto, Masashi: *See—*
  - Umemura, Koji; Nakashima, Toru; Ina, Yoshifumi; and Miyamoto, Masashi, 4,844,621, Cl. 415-119.000.
- Miyamoto, Masayoshi: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yazaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
- Miyamoto, Matsuhiro: *See—*
  - Yamauchi, Ryozo; Miyamoto, Matsuhiro; Oohashi, Tatsuyuki; and Fukuda, Osamu, 4,834,786, Cl. 65-3.120.
- Miyamoto, Mithuru: *See—*
  - Ukai, Noriyuki; Hayakawa, Issei; Miyamoto, Mithuru; and Matsuhisa, Tadaaki, 4,820,665, Cl. 501-97.000.
- Miyamoto, Mitsuaki: *See—*
  - Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
- Miyamoto, Mitsuo: *See—*
  - Zushi, Shizuo; Miyamoto, Mitsuo; Gou, Hiroshi; Kobayashi, Fumiyuki; and Ogata, Tetsuo, 4,837,663, Cl. 361-384.000.
- Miyamoto, Mitsuyasu; Ishimaru, Osamu; and Fukube, Nobuyoshi, to Hisaka Works, Ltd. Method for treating textile material in continuous length. 4,825,491, 5-2-89, Cl. 8-152.000.
- Miyamoto, Naooki: *See—*
  - Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.
- Miyamoto, Nobuo: *See—*
  - Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.
- Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, to Hitachi, Ltd. Optical head with optical beam control using acoustic wave device. 4,862,440, 8-29-89, Cl. 369-45.000.
- Miyamoto, Norifumi: *See—*
  - Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
- Miyamoto, Noriko: *See—*
  - Komiyama, Noboru; Oguma, Masayuki; and Miyamoto, Noriko, 4,804,412, Cl. 106-35.000.
- Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, to Toyota Jidosha Kabushiki Kaisha. Ceramic-sprayed member and process for making the same. 4,885,213, 12-5-89, Cl. 428-612.000.
- Miyamoto, Osamu: *See—*
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, to Victor Company of Japan, Ltd. Tape loading system for wrapping a tape of a tape cassette around a guide drum. 4,807,064, 2-21-89, Cl. 360-85.000.
- Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, to Victor Company of Japan, Ltd. Drive mechanism for cassette-enclosed magnetic tape. 4,837,645, 6-6-89, Cl. 360-85.000.
- Miyamoto, Ryosuke; and Sakai, Shinji, to Canon Kabushiki Kaisha. Colorimetric circuit with storage of simultaneously detected color components. 4,823,185, 4-18-89, Cl. 358-29.000.
- Miyamoto, Ryosuke; and Sakai, Shinji, to Canon Kabushiki Kaisha. Camera with enhanced communication with detachable lens. 4,860,113, 8-22-89, Cl. 358-225.000.
- Miyamoto, Ryosuke: *See—*
  - Sakai, Shinji; Kawabata, Takashi; and Miyamoto, Ryosuke, 4,812,727, Cl. 318-696.000.
- Miyamoto, Ryouichi: *See—*
  - Imamura, Makoto; and Miyamoto, Ryouichi, 4,874,086, Cl. 206-330.000.
- Miyamoto, Sampei: *See—*
  - Miyawaki, Masahumi; Miyamoto, Sampei; and Ishimura, Tamihiro, 4,843,258, Cl. 307-296.200.
- Miyamoto, Satoshi; and Nagatani, Masamichi, to Amchem Products, Inc. Phosphate coatings for metal surfaces. 4,838,957, 6-13-89, Cl. 148-260.000.
- Miyamoto, Seiichi; Hanatani, Masaru; and Tajima, Yo, to Kanzaki Paper Manufacturing Co., Ltd. Surface inspection apparatus. 4,829,374, 5-9-89, Cl. 358-93.000.
- Miyamoto, Shoji: *See—*
  - Mori, Kinji; Miyamoto, Shoji; and Shiraha, Takeshi, 4,872,165, Cl. 371-11.200.
  - Yasunobu, Seiji; Miyamoto, Shoji; and Ihara Hirokazu, 4,852,007, Cl. 364-426.010.
- Miyamoto, Shunsuke: *See—*
  - Takamine, Yoshio; Nakagawa, Takayuki; Kazama, Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, 4,811,213, Cl. 364-200.000.
- Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corporation. Echo suppressor. 4,864,608, 9-5-89, Cl. 379-409.000.
- Miyamoto, Takanori: *See—*
  - Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.
  - Kondo, Kazuhiro; Suzuki, Toshiro; and Miyamoto, Takanori, 4,809,271, Cl. 370-110.100.
- Miyamoto, Takashi, to NEC Corporation. Semiconductor device having ceramic package incorporated with a heat-radiator. 4,876,588, 10-24-89, Cl. 357-81.000.
- Miyamoto, Takehiko. Rotary encoder, and method of manufacturing same. 4,843,388, 6-27-89, Cl. 341-15.000.
- Miyamoto, Takehiko, to Kabushiki Kaisha Empire Airport Service. Encoder. 4,849,680, 7-18-89, Cl. 318-602.000.
- Miyamoto, Takehiko: *See—*
  - Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,844,737, Cl. 75-42.000.
- Miyamoto, Teruyuki: *See—*
  - Matsumoto Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura Shinichi, 4,795,751, Cl. 514-254.000.
  - Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,886,810, Cl. 514-312.000.
- Miyamoto, Tetsuya: *See—*
  - Harada, Naoki; Miyamoto, Tetsuya; Imada, Kunihiko; and Omura, Takashi, 4,880,434, Cl. 8-549.000.
  - Omura, Takashi; Kikkawa, Sadanobu; Morimitsu, Toshihiko; Harada, Naoki; and Miyamoto, Tetsuya, 4,873,321, Cl. 534-642.000.
- Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, to Hitachi, Ltd.; and Babcock-Hitachi Kabushiki Kaisha. Desulfurizing agent and process for treating hydrogen sulfide containing gas, coal gasification system and power generation system based on coal gasification using the desulfurizing agent. 4,884,396, 12-5-89, Cl. 60-39.120.
- Miyamoto, Tomohiko: *See—*
  - Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, 4,806,131, Cl. 48-210.000.
- Miyamoto, Tomomi: *See—*
  - Takatani, Teruhiko; Yamada, Muneharu; and Miyamoto, Tomomi, 4,852,897, Cl. 280-91.000.
- Miyamoto, Toshinobu; Sakurai, Hideya; and Takabayashi, Hirofumi, to Sumitomo Special Metals Co., Ltd. Magnetic field generating device. 4,818,966, 4-4-89, Cl. 335-296.000.
- Miyamoto, Tumoru: *See—*
  - Toda, Masaaki; Miyamoto, Tumoru; and Arai, Yoshinobu, 4,847,275, Cl. 514-382.000.
- Miyamoto, Yasunori: *See—*
  - Asano, Kuniyoshi; and Miyamoto, Yasunori, 4,847,361, Cl. 528-494.000.
- Miyamoto, Yasuo; Arai, Katsuyoshi; and Uchiyama, Keiichi, to Honda Giken Kogyo Kabushiki Kaisha. Mount. 4,858,879, 8-22-89, Cl. 248-562.000.
- Miyamoto, Yoshikazu, to Rubicon Co., Ltd. Ratchet screwdriver. 4,799,407, 1-24-89, Cl. 81-58.300.
- Miyamoto, Yoshimi: *See—*
  - Ito, Yukihiro; Imaizumi, Takeshi; Tukahara, Tadayuki; and Miyamoto, Yoshimi, 4,808,841, Cl. 307-11.000.
- Miyamoto, Yoshiyuki: *See—*
  - Takeda, Ryuzaburo; Koizumi, Hideaki; and Miyamoto, Yoshiyuki, 4,889,127, Cl. 128-653.000.
- Miyamoto, Yukihiko; Kobayashi, Hirokazu; and Suzuki, Syoichi, to Kabushiki Kaisha Kenwood. TDM transmission system. 4,884,267, 11-28-89, Cl. 370-100.100.
- Miyamoto, Yukihiko: *See—*
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,825,436, Cl. 370-102.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,845,436, Cl. 328-14.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,873,684, Cl. 370-102.000.
- Miyamoto, Yukio: *See—*
  - Okamoto, Kiyokazu; Iijima, Hiroshi; Endo, Tetsuo; and Miyamoto, Yukio, 4,868,438, Cl. 310-166.000.
  - Okamoto, Kiyokazu; Endo, Tetsuo; Miyamoto, Yukio; and Suzuki, Yoshiharu, 4,871,934, Cl. 310-166.000.
- Miyamura, Kou: *See—*
  - Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.
- Miyamura, Masataka: *See—*
  - Sanada, Shinichi; and Miyamura, Masataka, 4,820,619, Cl. 430-197.000.
- Miyamura, Yoshimori. Knitting sticks made of bamboo. 4,884,619, 12-5-89, Cl. 163-5.000.
- Miyamura, Yoshinori: *See—*
  - Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
- Miyanaga, Akiyoshi; and Umino, Masuo, to Toyo Soda Manufacturing Co., Ltd. Method for chromatographical analysis of anions. 4,808,540, 2-28-89, Cl. 436-150.000.
- Miyanaga, Choshichi, to Diesel Kiki Co., Ltd. Blower controlling device for automobile air-conditioning system. 4,809,517, 3-7-89, Cl. 62-163.000.
- Miyanaga, Hirofumi: *See—*
  - Hasegawa, Hiroshi; and Miyanaga, Hirofumi, 4,860,732, Cl. 128-6.000.

Miyanaga, Masaaki, to Kabushiki Kaisha Miyanaga. Anchor bolt construction and method of manufacture. 4,865,246, 9-12-89, Cl. 228-152.000.

Miyanaga, Yasuhiro: *See—*

Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. 301-63.00R.

Miyanari, Shoji: *See—*

Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.

Miyano, Hideyo; and Kitami, Yasuo, to Honda Giken Kogyo Kabushiki Kaisha. Intake manifold assembly for engines. 4,854,271, 8-8-89, Cl. 123-52.0MV.

Miyano, Hideyo: *See—*

Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,876,529, Cl. 340-450.300.

Kubota, Shin'ichi; Miyano, Hideyo; and Adachi, Hiromitsu, 4,888,576, Cl. 340-451.000.

Miyano Machinery USA Inc.: *See—*

Miyano, Toshiharu, 4,827,600, Cl. 29-568.000.

Miyano, Masateru; and Deason, James R., to G. D. Searle & Co. Phenolic ester derivatives as elastase inhibitors. 4,801,610, 1-31-89, Cl. 514-512.000.

Miyano, Masateru; Shone, Robert L.; and Sohn, Daniel D., to G. D. Searle and Company. Use of substituted dihydrobenzopyrans for allergy and inflammation. 4,888,356, 12-19-89, Cl. 514-456.000.

Miyano, Masateru: *See—*

Adams, Steven P.; Feigen, Larry P.; and Miyano, Masateru, 4,857,508, Cl. 514-18.000.

Campbell, Arthur L.; and Miyano, Masateru, 4,812,474, Cl. 514-460.000.

Miyano, Seiji; Sumoto, Kunihiro; and Satoh, Fumio, to Suntory Limited. Pyrrolizidine compounds, and their use as antiarrhythmic agents. 4,831,049, 5-16-89, Cl. 514-413.000.

Miyano, Seiji: *See—*

Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl. 514-228.200.

Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, 4,889,853, Cl. 514-227.500.

Miyano, Takahiro: *See—*

Matsumura, Syuusuke; Kojima, Hajime; and Miyano, Takahiro, 4,867,223, Cl. 164-46.000.

Miyano, Toshiharu, to Miyano Machinery USA Inc. Automatic tool changing mechanism for a machine tool. 4,827,600, 5-9-89, Cl. 29-568.000.

Miyano, Toshihiro, to Kabushiki Kaisha Toshiba. Portable electronic device with means for determining whether an externally supplied instruction is executable. 4,847,803, 7-11-89, Cl. 364-900.000.

Miyano, Toshiyuki: *See—*

Omura, Hideo; and Miyano, Toshiyuki, 4,845,917, Cl. 53-53.000.

Miyano, Yoshihiko: *See—*

Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.

Miyao, Hidetoshi: *See—*

Tsukamoto, Takeshi; Tanimoto, Takao; and Miyao, Hidetoshi, 4,799,789, Cl. 356-73.100.

Miyao, Kohei: *See—*

Orimo, Hajime; Kakimoto, Norihiro; and Miyao, Kohei, 4,822,817, Cl. 514-492.000.

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, to Sharp Kabushiki Kaisha. Bilingual translation system capable of memorizing learned words. 4,800,522, 1-24-89, Cl. 364-900.000.

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, to Sharp Kabushiki Kaisha. Translation system. 4,814,987, 3-21-89, Cl. 364-419.000.

Miyao, Manabu: *See—*

Nakazaki, Nobuo; Ai, Hideo; and Miyao, Manabu, 4,839,261, Cl. 430-313.000.

Miyao, Masanobu: *See—*

Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.

Miyao, Osami: *See—*

Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, 4,836,631, Cl. 350-6.800.

Shiraki, Manabu; and Miyao, Osami, 4,804,873, Cl. 310-67.00R.

Miyaoka, Kazuyoshi: *See—*

Ishikawa, Masao; Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kuse, Satoru, 4,797,351, Cl. 430-387.000.

Koboshi, Shigeharu; Miyaoka, Kazuyoshi; and Kon, Masahiko, 4,814,260, Cl. 430-464.000.

Miyaoka, Mitsuhiko, to Murata Kikai Kabushiki Kaisha. Method and apparatus for false twisting. 4,805,394, 2-21-89, Cl. 57-280.000.

Miyaoka, Shinichiro; Sasaki, Ryoichi; and Shiraishi, Takayoshi, to Hitachi, Ltd. Method for image data coding. 4,831,659, 5-16-89, Cl. 382-56.000.

Miyaoka, Takashi: *See—*

Watanabe, Katsuyoshi; Miyaoka, Takashi; and Oyamada, Takeo, 4,847,143, Cl. 428-288.000.

Miyaou, Hirohisa; Furukawa, Takahiro; and Kosugi, Toru, to Fujitsu Limited. Digital data multiple conversion system for converting data having a frequency to data having another frequency by a digital stuffing method. 4,841,524, 6-20-89, Cl. 370-112.000.

Miyaou, Hirohisa: *See—*

Kosugi, Toru; Furukawa, Takahiro; and Miyaou, Hirohisa, 4,887,083, Cl. 341-56.000.

Miyasaka, Akihiro; Haga, Hiroyo; and Terasawa, Takeshi, to Nippon Steel Corporation. High toughness steel. 4,842,816, 6-27-89, Cl. 420-84.000.

Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, to Nippon Steel Corporation. Method of producing clad metal. 4,844,863, 7-4-89, Cl. 419-8.000.

Miyasaka, Hiroyasu: *See—*

Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, 4,814,227, Cl. 428-353.000.

Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, 4,822,670, Cl. 428-317.300.

Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, to Mitsubishi Rayon Company Ltd. Instrument for measuring living body components. 4,813,423, 3-21-89, Cl. 128-634.000.

Miyasaka, Mamoru: *See—*

Miyazawa, Osamu; Ishikawa, Nobuo; Miyasaka, Mamoru; and Hirota, Kenichi, 4,864,442, Cl. 360-99.120.

Miyasaka, Masao: *See—*

Watahiki, Shinichi; Itoh, Nobuhiko; Ihata, Nobuo; and Miyasaka, Masao, 4,877,344, Cl. 400-124.000.

Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, to Ebara Corporation. Method of using machine parts made of austenitic cast iron having resistance to stress corrosion cracking in contact with salt water. 4,861,395, 8-29-89, Cl. 148-321.000.

Miyasaka, Nobuaki; Ikeda, Hideo; Sakai, Minoru; Ohno, Shigeru; and Mukunoki, Yasuo, to Fuji Photo Film Co., Ltd. Silver halide photographic light sensitive material with improved silver blackness of picture image. 4,818,675, 4-4-89, Cl. 430-567.000.

Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, to Fuji Photo Film Co., Ltd. Silver halide photographic material comprising a protective layer containing a polyoxyethylene surface active agent. 4,859,576, 8-22-89, Cl. 430-523.000.

Miyasaka, Nobuaki; and Suga, Shuzo, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,873,181, 10-10-89, Cl. 430-523.000.

Miyasaka, Nobuaki: *See—*

Ikeda, Hideo; Suga, Shuzo; and Miyasaka, Nobuaki, 4,853,323, Cl. 430-569.000.

Miyasaka, Shinji: *See—*

Miyake, Shinichi; and Miyasaka, Shinji, 4,812,392, Cl. 435-3.000.

Miyasaka, Tadashi: *See—*

Fujikawa, Yoshihiro; Wakamatsu, Masazumi; Fukui, Mariko; and Miyasaka, Tadashi, 4,841,068, Cl. 548-365.000.

Miyasaka, Takeshi: *See—*

Fukuda, Yoshiaki; Miyasaka, Takeshi; Matsumoto, Iori; Kato, Nobukatsu; and Ema, Kenji, 4,797,242, Cl. 264-108.000.

Miyasaka, Tetsuo: *See—*

Nakajima, Yukio; Miyasaka, Tetsuo; and Kawai, Sumio, 4,857,951, Cl. 354-400.000.

Miyasaka, Tsuneo: *See—*

Kubota, Yasuo; Kani, Nobumoto; Okawa, Kazutaka; Tobita, Takuo; and Miyasaka, Tsuneo, 4,817,005, Cl. 364-468.000.

Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,820,606, 4-11-89, Cl. 430-139.000.

Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, to Fuji Photo Film Co., Ltd. Tubular silver halide photosensitive materials sensitized with a luminous dye. 4,876,183, 10-24-89, Cl. 430-567.000.

Miyashita, Hideo: *See—*

Kurakake, Mitsuo; Miyashita, Hideo; and Otsuka, Shoichi, 4,837,487, Cl. 318-568.160.

Miyashita, Hiromichi: *See—*

Abe, Tsutomu; and Miyashita, Hiromichi, 4,858,345, Cl. 37-118.00R.

Miyashita, Hiroshi: *See—*

Kawai, Shinichi; Fukazawa, Eiji; Miyashita, Hiroshi; and Shiba, Yoshio, 4,813,529, Cl. 198-468.600.

Miyashita, Iwao: *See—*

Dohzono, Masatake; Miyashita, Iwao; and Abe, Norihiro, 4,835,042, Cl. 428-218.000.

Shiba, Daisuke; Sakurai, Akira; and Miyashita, Iwao, 4,804,378, Cl. 604-367.000.

Miyashita, Kunio: *See—*

Hashimoto, Ichiro; Ishizaki, Kosho; Hayashida, Hiroshi; and Miyashita, Kunio, 4,890,024, Cl. 310-49.00R.

Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.

Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Nihei, Hideki; Miyashita, Kunio; Saitoh, Kouichi; and Yamashita, Seizi, 4,857,786, Cl. 310-156.000.

Takahashi, Tadashi; Yamashita, Seizi; Miyashita, Kunio; and Kawamata, Syooichi, 4,818,939, Cl. 324-208.000.

Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, 4,855,652, Cl. 318-268.000.

Miyashita, Masahiko, to Nippon Gosei Kaagaku Kogyo. Cyclohexane-2,5-dione-1,4-ylene-bis (-3-propionic acid) derivatives and process for preparing the same. 4,841,096, 6-20-89, Cl. 560-126.000.

Miyashita, Masahiko: *See—*

Kawabata, Takeo; Miyashita, Masahiko; and Taisha, Akira, 4,889,934, Cl. 546-151.000.

Miyashita, Masaru: *See—*

Eguchi, Yoshitugu; Miyashita, Masaru; Arai, Hitoshi; and Ogushi, Yoshimi, 4,806,432, Cl. 428-457.000.

Miyashita, Osamu: *See—*

Fukui, Yasuhiro; and Miyashita, Osamu, 4,869,650, Cl. 417-241.000.

Miyashita, Satoru: *See—*

Toki, Motoyuki; Kanbe, Sadao; Miyashita, Satoru; and Takeuchi, Tetsuhiko, 4,801,318, Cl. 65-18.100.

Miyashita, Takaaki: *See—*

Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.

Miyashita, Takeshi: *See—*

Kawabata, Takao; Miyashita, Takeshi; and Yamamoto, Yushin, 4,823,251, Cl. 363-95.000.

Miyashita, Takumi, to Fujitsu Limited. Microprocessor with an interruptable bus cycle. 4,819,158, 4-4-89, Cl. 364-200.000.

Miyashita, Takumi, to Fujitsu Limited. Semiconductor circuit device with voltage clamp. 4,864,373, 9-5-89, Cl. 357-23.500.

Miyashita, Takuya: *See—*

Nishiyama, Yukio; Fujioka, Junzo; Hino, Haruki; and Miyashita, Takuya, 4,834,036, Cl. 123-188.00A.

Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and Isobe, Susumu, 4,849,168, Cl. 420-418.000.

Miyashita, Tsune; and Yasuda, Makoto, to Hitachi, Ltd. Apparatus for automatically correcting arc position of high pressure discharge lamp. 4,871,947, 10-3-89, Cl. 315-344.000.

Miyashita, Tsune: *See—*

Yasuda, Makoto; Miyashita, Tsune; Murayama, Seiichi; Arai, Yoji; and Yamada, Fuzio, 4,803,406, Cl. 315-174.000.

Miyashita, Yasuo; and Kashima, Masao, to Mitsubishi Mining & Cement Company, Ltd. Dielectric ceramic composition for multilayer capacitor. 4,803,591, 2-7-89, Cl. 361-321.000.

Miyata, Chikara: *See—*

Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.

Miyata, Eiji: *See—*

Itagaki, Takaharu; Kusano, Hiroshi; Miyata, Eiji; and Tashiro, Takayuki, 4,863,972, Cl. 521-141.000.

Miyata, Hirofumi, to Bando Chemical Industries, Ltd. Speed-shifting device. 4,838,834, 6-13-89, Cl. 474-11.000.

Miyata, Hirofumi; Kuchisubo, Katsushiro; and Sakamoto, Chikara, to Bando Chemical Industries, Ltd. Speed-shifting device. 4,869,706, 9-26-89, Cl. 474-8.000.

Miyata, Hiroshi: *See—*

Kurashina, Yoshikazu; Miyata, Hiroshi; and Momose, Den-ichi, 4,877,795, Cl. 514-306.000.

Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, 4,875,170, Cl. 364-507.000.

Miyata, Hiroyuki, to Agency of Industrial Science and Technology, The President of the. Parallel data processor with shift register inter-processor transfer. 4,858,110, 8-15-89, Cl. 364-200.000.

Miyata, Ichiro, to Kabushiki Kaisha Kosmek. Hydraulic clamp with a swinging clamp arm. 4,830,349, 5-16-89, Cl. 269-32.000.

Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, to Fuji Photo Film Co., Ltd. Silver halide photographic material capable of being handled in a bright room during steps of photomechanical process. 4,847,180, 7-11-89, Cl. 430-264.000.

Miyata, Katsuaki; Sakuma, Yutaka; Motoyama, Shimesu; Gotou, Masakazu; Shirakawa, Hiromu; and Makino, Takamoto, to Takeda Chemical Industries, Ltd. Coating apparatus. 4,799,449, 1-24-89, Cl. 118-19.000.

Miyata, Katsuharu; Takaki, Usaji; and Matsuhisa, Toshio, to Mitsui Toatsu Chemicals, Incorporated. Preparation process of cinnamic acids. 4,806,683, 2-21-89, Cl. 562-495.000.

Miyata, Katsuhiro, to Akebono Brake Industry Co., Ltd.; and Akebono Research & Development Centre Ltd. Liquid-cooled disc brake. 4,815,573, 3-28-89, Cl. 188-264.00F.

Miyata, Kenji: *See—*

Tsumaki, Koji; Miyata, Kenji; and Nishi, Masatsugu, 4,812,774, Cl. 328-233.000.

Miyata, Makoto: *See—*

Kuwabara, Kenichi; and Miyata, Makoto, 4,887,961, Cl. 431-177.000.

Miyata, Masanobu: *See—*

Sakurai, Tutomu; Ota, Keishiro; Kubota, Saburo; Miyata, Masanobu; and Fujiwara, Hiroshi, 4,847,613, Cl. 340-825.210.

Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, to Canon Kabushiki Kaisha. Image forming apparatus including exposure scanning means. 4,825,250, 4-25-89, Cl. 355-14.00R.

Miyata, Masanori: *See—*

Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.

Miyata, Masao: *See—*

Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.

Miyata, Masaya: *See—*

Takada, Koji; Miyata, Masaya; and Tamura, Isojiro, 4,859,291, Cl. 204-49.000.

Miyata, Minoru: *See—*

Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.

Miyata, Mitsuto: *See—*

Isobe, Shinichi; Miyata, Mitsuto; and Yamauchi, Takashi, 4,882,670, Cl. 364-188.000.

Miyata, Osamu: *See—*

Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.

Miyata, Satoru; Fukuda, Hiromi; and Imamura, Shinzo, to Toray Industries, Inc. Method for preparing optically active N-acetylindoline-2-carboxylic acid. 4,824,964, 4-25-89, Cl. 548-490.000.

Miyata, Shigeo; and Takahashi, Hideo, to Kyowa Chemical Industry Co., Ltd. Rust-proofing agent, rust-proofing coating composition and coating method for preventing or inhibiting corrosion of metallic/-surface. 4,842,645, 6-27-89, Cl. 106-14.140.

Miyata, Shigeru; and Matsubara, Yoshihiro, to NGK Spark Plug Co., Ltd. Sensor for mixing ratio of gasoline and alcohol or the like. 4,824,244, 4-25-89, Cl. 356-133.000.

Miyata, Shigeru; and Matsubara, Yoshihiro, to NGK Spark Plug Co., Ltd. Mixing ratio sensor for liquid fuel. 4,843,248, 6-27-89, Cl. 250-574.000.

Miyata, Shigeru; and Sawada, Toshiki, to NGK Spark Plug Co., Ltd. Deterioration detector system for catalyst in use for emission gas purifier. 4,884,066, 11-28-89, Cl. 340-633.000.

Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, to Railway Technical Research Institute; and Sumitomo Cement Co., Ltd. Method and apparatus for spraying an inorganic hydraulic material composition containing reinforcing short fibers. 4,844,340, 7-4-89, Cl. 239-9.000.

Miyata, Souichi: *See—*

Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.

Miyata, Takahiko: *See—*

Oomura, Masatoshi; Miyata, Takahiko; Fujisaki, Kunio; and Shirahase, Tsutomu, 4,868,372, Cl. 235-380.000.

Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Masaru; and Watari, Masafumi, to Matsushita Electric Industrial Co., Ltd. Antireflection film. 4,812,016, 3-14-89, Cl. 350-320.000.

Miyata, Takeo; and Iwabuchi, Takashi, to Matsushita Electric Industrial Co., Ltd. Reflector for excimer laser and excimer laser apparatus using the reflector. 4,856,019, 8-8-89, Cl. 372-99.000.

Miyata, Teruhisa: *See—*

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, 4,797,321, Cl. 428-328.000.

Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; and Miyake, Akira, 4,820,565, Cl. 428-64.000.

Miyata, Teruo: *See—*

Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.

Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.

Noishiki, Yasuharu; Kodaira, Kazuhiko; Furuse, Masayasu; and Miyata, Teruo, 4,806,595, Cl. 525-54.200.

Noishiki, Yasuharu; and Miyata, Teruo, 4,833,200, Cl. 525-54.200.

Yoshizato, Katsutoshi; Taira, Toshio; and Miyata, Teruo, 4,883,487, Cl. 623-15.000.

Miyata, Yasuji: *See—*

Hasegawa, Hiroaki; Miyata, Yasuji; Sugimoto, Koyata; and Nakamura, Akira, 4,811,606, Cl. 73-861.380.

Miyata, Yukio. Pressing plate multi-directional moving apparatus for a clothes press. 4,862,608, 9-5-89, Cl. 38-31.000.

Miyata, Yutaka: *See—*

Nagata, Seiichi; Hotta, Sadayoshi; Takeda, Etsuya; and Miyata, Yutaka, 4,823,126, Cl. 340-825.790.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Dynamic random access memory device having an improved timing arrangement. 4,823,322, 4-18-89, Cl. 365-190.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device with address transition detection and timing control. 4,843,596, 6-27-89, Cl. 365-233.500.

Miyatake, Hideshi, to Mitsubishi Denki Kabushiki Kaisha. On-chip substrate bias generating circuit having substrate potential clamp and operating method therefor. 4,890,011, 12-26-89, Cl. 307-296.200.

Miyatake, Hideshi: *See—*
  Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.
  Konishi, Yasuhiro; Fujishima, Kazuyasu; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; and Dosaka, Katsumi, 4,809,230, Cl. 365-189.000.
  Matsuda, Yoshio; Miyatake, Hideshi; and Fujishima, Kazuyasu, 4,811,304, Cl. 365-233.000.

Miyatake, Katsunori: *See—*
  Shimizu, Isao; Miyatake, Katsunori; Urabe, Shuji; and Murota, Kazuaki, 4,817,197, Cl. 455-208.000.

Miyatake, Kimio; Imaki, Takao; and Fujiwara, Masahiko, to Horiba, Ltd. Fluid analyzer. 4,808,825, 2-28-89, Cl. 250-343.000.

Miyatake, Shigehiro, to Sharp Kabushiki Kaisha. Solid-state image sensor. 4,851,890, 7-25-89, Cl. 357-24.000.

Miyatake, Takafumi; Matsushima, Hitoshi; Ohtani, Shigeko; and Higashino, Junichi, to Hitachi, Ltd. Management system of graphic data. 4,803,477, 2-7-89, Cl. 340-747.000.

Miyatake, Tetsuya: *See—*
  Kawamura, Takao; and Miyatake, Tetsuya, 4,820,268, Cl. 604-67.000.

Miyatake, Yoshiteru: *See—*
  Ishida, Yasumasa; Kawamoto Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.

Miyatani, Takao: *See—*
  Miyazaki, Hiroshi; Miyatani, Takao; Ishizaki, Akira; and Abe, Shinpei, 4,800,640, Cl. 29-429.000.

Miyatsuka, Hajime: *See—*
  Yamada, Yasuyuki; and Miyatsuka, Hajime, 4,798,755, Cl. 428-141.000.
  Yamada, Yasuyuki; Miyatsuka, Hajime; Okita, Tsutomu; and Tsuji, Nobuo, 4,837,081, Cl. 428-329.000.

Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, to Fujitsu Limited. Integrated circuit device having stacked conductive layers connecting circuit elements therethrough. 4,827,327, 5-2-89, Cl. 357-71.000.

Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, to Fujitsu Limited. Integrated circuit device having strip line structure therein. 4,875,087, 10-17-89, Cl. 357-71.000.

Miyauchi, Fumio, to Ikeda Bussan Co., Ltd. Car seat. 4,813,741, 3-21-89, Cl. 297-341.000.

Miyauchi, Fumio: *See—*
  Sugiura, Takashi; Matsuura, Ichiro; Miyauchi, Fumio; and Chiyoshi, Toyoharu, 4,886,630, Cl. 264-46.600.

Miyauchi, Hideo: *See—*
  Ichikawa, Katumi; Amano, Itaru; Hujieda, Yasuhiko; Misumi, Shikao; Hukumura, Seisuke; and Miyauchi, Hideo, 4,874,303, Cl. 425-28.100.

Miyauchi, Hiroshi: *See—*
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.

Miyauchi, Keinosuke, to Yugen Gaisha Miyakei Company. Lid for pressure-heat cooking vessel. 4,830,216, 5-16-89, Cl. 220-377.000.

Miyauchi, Kenichi: *See—*
  Tominaga, Haruo; Takayama, Teruyuki; Miyauchi, Kenichi; and Yamaguchi, Tetsuo, 4,844,147, Cl. 164-450.000.

Miyauchi, Masahiro: *See—*
  Hiraishi, Shigetoshi; Fuchigami, Mitsuru; Miyauchi, Masahiro; and Kabashima, Kazuo, 4,880,767, Cl. 503-217.000.
  Kosaka, Takao; Miyauchi, Masahiro; Koike, Naomasa; and Higuchi, Masahiro, 4,889,841, Cl. 503-209.000.

Miyauchi, Mikiyoshi; Meguro, Takashi; Serizawa, Hisao; and Kusanagi, Hiroaki, to Toshiba Kikai Kabushiki Kaisha. Method of forming wear-resistant material. 4,851,267, 7-25-89, Cl. 427-357.000.

Miyauchi, Motohisa: *See—*
  Iwata, Yoshikazu; Sugiyama, Makoto; and Miyauchi, Motohisa, 4,820,905, Cl. 219-390.000.

Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, to Sharp Kabushiki Kaisha. External resonator type semiconductor laser apparatus. 4,817,109, 3-28-89, Cl. 372-92.000.

Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser. 4,815,089, 3-21-89, Cl. 372-49.000.

Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, to Sharp Kabushiki Kaisha. External cavity type semiconductor laser apparatus. 4,860,305, 8-22-89, Cl. 372-92.000.

Miyauchi, Nobuyuki: *See—*
  Hayashi, Hiroshi; Maei, Shigeki; Yamamoto, Osamu; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,864,585, Cl. 372-92.000.
  Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, 4,829,531, Cl. 372-19.000.
  Yamamoto, Osamu; Hayashi, Hiroshi; Matsui, Sadayoshi; Takiguchi, Haruhisa; and Miyauchi, Nobuyuki, 4,806,778, Cl. 250-561.000.
  Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,811,350, Cl. 372-43.000.

Miyauchi, Otohiko: *See—*
  Suzuki, Takashi; Yasuda, Tetsuo; Miyauchi, Otohiko; and Yosuyanagi, Junji, 4,865,793, Cl. 264-278.000.

Miyauchi, Shizuya; and Wada, Kiyoshi, to Koito Seisakusho Co., Ltd. Headlight for vehicle. 4,833,573, 5-23-89, Cl. 362-71.000.

Miyauchi, Shizuya; and Wada, Kiyoshi, to Koito Seisakusho Co., Ltd. Road surface-sensitive beam pattern leveling system for a vehicle headlamp. 4,868,720, 9-19-89, Cl. 362-69.000.

Miyauchi, Shizuya; and Wada, Kiyoshi, to Koito Seisakusho Co., Ltd. Headlight for vehicle. 4,875,141, 10-17-89, Cl. 362-61.000.

Miyauchi, Tateoki: *See—*
  Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.

Miyauchi, Teiichi: *See—*
  Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiiba, Kengo; and Yoshikawa, Mitsuhiko, 4,803,581, Cl. 360-113.000.

Miyauchi, Yasushi: *See—*
  Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
  Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
  Terao, Motoyasu; Nishida, Tetsuya; Miyauchi, Yasushi; and Horigome, Shinkichi, 4,866,672, Cl. 365-151.000.

Miyauchi, Yuh: *See—*
  Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Eiji; Nakajima, Toru; and Masumoto, Mituhiko, 4,888,401, Cl. 525-468.000.

Miyauchi, Yukio: *See—*
  Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, [illegible]; Miyauchi, Yukio; and Ito, Masayuki, 4,826,991, Cl. 548-341.000.

Miyaura, Tomoko: *See—*
  Yokota, Satoshi; Sugiyama, Masami; Kawagoe, Nobukazu; and Miyaura, Tomoko, 4,822,998, Cl. 250-226.000.

Miyaura, Yasuhiko: *See—*
  Miyazaki, Hiroya; Chikuma, Isamu; and Miyaura, Yasuhiko, 4,834,201, Cl. 180-79.100.

Miyawaki, Hiroshi: *See—*
  Takenouchi, Touru; and Miyawaki, Hiroshi, 4,863,085, Cl. 226-92.000.

Miyawaki, Isao: *See—*
  Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.

Miyawaki, Keizo: *See—*
  Shimodaira, Hisayo; Ono, Toshio; Miyawaki, Keizo; and Hamaguchi, Tatsuya, 4,875,766, Cl. 350-641.000.

Miyawaki, Makoto; Ogawa, Yukio; Kodaira, Takanori; and Hirohata, Michio, to Canon Kabushiki Kaisha. Optical system shifting device for a camera. 4,811,060, 3-7-89, Cl. 350-255.000.

Miyawaki, Mamoru, to Canon Kabushiki Kaisha. Optical function element and a method for manufacturing the same. 4,799,750, 1-24-89, Cl. 350-96.130.

Miyawaki, Mamoru, to Canon Kabushiki Kaisha. Position detecting device usable with an object having a surface. 4,823,014, 4-18-89, Cl. 250-561.000.

Miyawaki, Mamoru; and Handa, Uuichi, to Canon Kabushiki Kaisha. Waveguide optical system. 4,832,428, 5-23-89, Cl. 350-96.110.

Miyawaki, Mamoru; and Matsumoto, Kazuya, to Canon Kabushiki Kaisha. Information processing apparatus in which a deflected light and O-order light are respectively used for information recording/reproduction and tracking, and a method therefor. 4,853,919, 8-1-89, Cl. 369-46.000.

Miyawaki, Mamoru; Ogura, Shigetaro; and Matsumoto, Kazuya, to Canon Kabushiki Kaisha. Light waveguide lens. 4,856,861, 8-15-89, Cl. 350-96.140.

Miyawaki, Mamoru, to Canon Kabushiki Kaisha. Method of producing thin film optical element by ion injection under electric field. 4,886,587, 12-12-89, Cl. 204-130.000.

Miyawaki, Masahumi; Miyamoto, Sampei; and Ishimura, Tamihiro, to Oki Electric Industry Co., Ltd. Drive circuit with a ring oscillator for a semiconductor device. 4,843,258, 6-27-89, Cl. 307-296.200.

Miyawaki, Motohisa, to Fuji Jukogyo Kabushiki Kaisha. Belt for continuously variable transmission. 4,826,473, 5-2-89, Cl. 474-240.000.

Miyawaki, Motohisa, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,827,803, 5-9-89, Cl. 74-866.000.

Miyawaki, Motohisa, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,831,898, 5-23-89, Cl. 74-866.000.

Miyawaki, Motohisa, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,843,913, 7-4-89, Cl. 74-844.000.

Miyawaki, Shozo, to Ricoh Company, Ltd. Sheet transport control method for copier and others. 4,804,998, 2-14-89, Cl. 355-14.0SH.

Miyawaki, Toshinori, to Omron Tateisi Electronics Co. Electronic blood pressure measurement device and its method of operation, performing minimal squeezing of patient's arm. 4,850,368, 7-25-89, Cl. 128-680.000.

Miyawaki, Yoshinori; Matumoto, Kazuhiro; and Shirasaki, Osamu, to Omron Tateisi Electronics Co.; and Isao KAI. Electronic blood pressure meter incorporating compensation function for systolic and diastolic blood pressure determinations. 4,860,760, 8-29-89, Cl. 128-680.000.

Miyawaki, Yoshinori, to Omron Tateisi Electronics Co.; and Isao KAI. Electronic blood pressure meter having improved cuff repressurization means. 4,872,461, 10-10-89, Cl. 128-681.000.

Miyawaki, Yoshinori: *See—*
  Shirasaki, Osamu; Ogawa, Hiroshi; Miyawaki, Yoshinori; and Matumoto, Kazuhiro, 4,830,019, Cl. 128-681.000.

Miyayama, Toshio; Masuzawa, Isao; and Hirono, Nakayasu, to Tokyo Keiki Co., Ltd. Marine autopilot apparatus. 4,855,739, 8-8-89, Cl. 340-984.000.

Miyayama, Toshio: *See—*
  Masuzawa, Isao; Miyayama, Toshio; Nakayama, Mitsuo; and Nishimura, Koichi, 4,811,679, Cl. 114-144.0RE.

Miyazaki, Akihiko; Nonami, Tetsuo; and Ikunc, Yuji, to Olympus Optical Co., Ltd. Electronic endoscope apparatus. 4,873,572, 10-10-89, Cl. 358-98.000.

Miyazaki, Akihiko: *See—*
  Kanno, Masahide; Saito, Katsuyuki; and Miyazaki, Akihiko, 4,865,018, Cl. 128-6.000.

Miyazaki, Akira: *See—*
  Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
  Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.
  Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.

Miyazaki, Atsuo: *See—*
  Shimada, Shigeru; Kondoh, Akimitsu; and Miyazaki, Atsuo, 4,811,244, Cl. 364-521.000.

Miyazaki, Atsushi; and Kobayashi, Ryoichi, to Hitachi, Ltd. Semiconductor pressure sensor. 4,813,272, 3-21-89, Cl. 73-708.000.

Miyazaki, Atsushi: *See—*
  Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, 4,802,952, Cl. 156-634.000.

Miyazaki, Haruhito, to Pioneer Electronic Corporation. Video memory control device. 4,797,743, 1-10-89, Cl. 358-149.000.

Miyazaki, Hidehiro; Shingai, Kazuto; and Ohsawa, Susumu, to Pioneer Electronic Corporation; and Pioneer Video Corporation. Optical information recorder. 4,837,759, 6-6-89, Cl. 369-32.000.

Miyazaki, Hideki; Onda, Kenichi; and Matsuda, Yasuo, to Hitachi, Ltd. Capacitive voltage lowering circuit with dual outputs. 4,841,427, 6-20-89, Cl. 363-62.000.

Miyazaki, Hideki; Onda, Kenichi; and Matsuda, Yasuo, to Hitachi, Ltd. Monolithic integrated circuit device. 4,890,009, 12-26-89, Cl. 307-270.000.

Miyazaki, Hideo: *See—*
  Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, 4,857,987, Cl. 357-45.000.

Miyazaki, Hideto: *See—*
  Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Miyazaki, Hidetoshi: *See—*
  Mikami, Tetsuo; Ohmika, Yasushi; and Miyazaki, Hidetoshi, 4,852,423, Cl. 74-551.900.

Miyazaki, Hiroaki: *See—*
  Aoki, Yuji; and Miyazaki, Hiroaki, 4,879,[illegible]43, Cl. 525-71.000.

Miyazaki, Hiroharu: *See—*
  Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,850,656, Cl. 303-100.000.
  Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,854,411, Cl. 180-197.000.
  Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,866,623, Cl. 364-426.030.
  Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, 4,880,282, Cl. 303-116.000.
  Matsumoto, Shinichi; Ise, Kiyotaka; and Miyazaki, Hiroharu, 4,811,808, Cl. 180-197.000.

Miyazaki, Hiroshi; Miyatani, Takao; Ishizaki, Akira; and Abe, Shinpei, to Toyota Jidosha Kabushiki Kaisha. Automated assembly system and method of assembly. 4,800,640, 1-31-89, Cl. 29-429.000.

Miyazaki, Hiroshi; Homma, Yoshio; and Mukai, Kiichiro, to Hitachi, Ltd. Method of forming a copper film by chemical vapor deposition. 4,842,891, 6-27-89, Cl. 427-35.000.

Miyazaki, Hiroshi, to Kabushiki Kaisha Alps Slate. Slate and method of manufacturing therefor. 4,864,793, 9-12-89, Cl. 52-54.000.

Miyazaki, Hiroshi: *See—*
  Harada, Masashi; Miyazaki, Hiroshi; and Itabashi, Keiji, 4,861,571, Cl. 423-328.000.

Miyazaki, Hiroya; Chikuma, Isamu; and Miyaura, Yasuhiko, to Nippon Seiko Kabushiki Kaisha. Electrical power steering apparatus. 4,834,201, 5-30-89, Cl. 180-79.100.

Miyazaki, Hiroya: *See—*
  Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, 4,873,475, Cl. 318-489.000.

Miyazaki, Hiroyuki, to Koyo Seiko Co., Ltd. Seal assembly for rolling bearing. 4,865,471, 9-12-89, Cl. 384-482.000.

Miyazaki, Hisahiko: *See—*
  Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.

Miyazaki, Jinsei; Ando, Eiji; Yoshino, Kimiaki; and Morimoto, Kazuhisa, to Matsushita Electric Industrial Co., Ltd. Method for recording optical information in optical high density recording mediums. 4,845,021, 7-4-89, Cl. 430-495.000.

Miyazaki, Kazuo: *See—*
  Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, 4,839,232, Cl. 428-473.500.

Miyazaki, Kenichi; Iizuka, Toshiaki; and Asai, Koichi, to Janome Sewing Machine Co. Ltd. Data input device having an editing function for an embroidering sewing machine. 4,834,007, 5-30-89, Cl. 112-121.110.

Miyazaki, Kenichi; Nakamura, Katsumi; Hagiwara, Taro; and Inoue, Keizo, to Nissan Motor Co., Ltd. Floor structure for modular vehicle body. 4,836,600, 6-6-89, Cl. 296-197.000.

Miyazaki, Kenichi; Nakamura, Katsumi; and Hagiwara, Taro, to Nissan Motor Co., Ltd. Front structure for modular vehicle body. 4,883,309, 11-28-89, Cl. 296-194.000.

Miyazaki, Kenichi; and Morigaki, Tadahiko, to Nissan Motor Co., Ltd. Roof structure for modular vehicle body. 4,883,310, 11-28-89, Cl. 296-210.000.

Miyazaki, Kenichi: *See—*
  Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.

Miyazaki, Kenji, to Sumitomo Electric Industries, Ltd. Process for growing a multi-component crystal. 4,853,078, 8-1-89, Cl. 156-616.400.

Miyazaki, Kensuke: *See—*
  Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.

Miyazaki, Kohzoh: *See—*
  Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.

Miyazaki, Kunihiro; and Ishitobi, Ken, to Showa Denko Kabushiki Kaisha. Abrasive composition and process for polishing. 4,883,502, 11-28-89, Cl. 51-309.000.

Miyazaki, Kunio; Azuma, Kunihiko; and Noguchi, Satoru, to Honda Giken Kogyo Kabushiki Kaisha. Centrifugal clutch. 4,830,163, 5-16-89, Cl. 192-105.0CD.

Miyazaki, Kunio, to Tomy Kogyo Co., Inc. Body action game. 4,863,169, 9-5-89, Cl. 273-109.000.

Miyazaki, Kunio, to Honda Giken Kogyo Kabushiki Kaisha. Power transmission assembly of belt-type. 4,887,488, 12-19-89, Cl. 74-689.000.

Miyazaki, Kunio: *See—*
  Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, 4,886,573, Cl. 156-643.000.
  Yoshieda, Keiichi; Sassa, Yuusei; Sodeno, Toshiaki; and Miyazaki, Kunio, 4,821,396, Cl. 29-410.000.

Miyazaki, Makoto: *See—*
  Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.

Miyazaki, Masaaki: *See—*
  Ishii, Mitsuaki; and Miyazaki, Masaaki, 4,837,454, Cl. 307-10.100.
  Ishii, Mitsuaki; Miyazaki, Masaaki; and Matsunaga, Takahiro, 4,885,691, Cl. 364-424.040.

Miyazaki, Masahiro, to Hitachi, Ltd. In-line type electron gun for color picture tube. 4,825,121, 4-25-89, Cl. 313-414.000.

Miyazaki, Masahiro: *See—*
  Takahashi, Eiki; Miyazaki, Masahiro; and Nakamura, Kiyoshi, 4,885,503, Cl. 313-450.000.

Miyazaki, Masakatsu: *See—*
  Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki Masakatsu, 4,848,321, Cl. 127-61.000.

Miyazaki, Masanori; and Kuroiwa, Akihiko, to Kabushiki Kaisha Toshiba. Control apparatus for brush-less motor. 4,808,902, 2-28-89, Cl. 318-798.000.

Miyazaki, Masashi, to Seiko Electronic Components Ltd. Abrading apparatus for spherically shaping workpieces. 4,885,873, 12-12-89, Cl. 51-121.000.

Miyazaki, Masayuki: *See—*
  Nakajima, Toshio; Kumatani, Hiroshi; Miyazaki, Masayuki; and Tezuka, Kazuo, 4,819,502, Cl. 74-572.000.

Miyazaki, Matsuo: *See—*
  Nakamura, Yoshiro; Mori, Kunio; Okumura, Minoru; Mochida, Yoshio; and Miyazaki, Matsuo, 4,801,394, Cl. 252-75.000.

Miyazaki, Michio: *See—*
  Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.

- Miyazaki, Minoru: *See—*
  - Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
  - Yamazaki, Shunpei; Inushima, Takashi; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; and Sakama, Mitsunori, 4,844,588, Cl. 350-339.00R.
  - Yamazaki, Shunpei; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; Sakama, Mitsunori; and Inushima, Takashi, 4,855,805, Cl. 357-58.000.
  - Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.
- Miyazaki, Naoki: *See—*
  - Kato, Takeo; Yamamoto, Hideki; and Miyazaki, Naoki, 4,857,393, Cl. 428-289.000.
- Miyazaki, Nobutsugu: *See—*
  - Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.
- Miyazaki, Nobuyoshi: *See—*
  - Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
- Miyazaki, Nobuyuki: *See—*
  - Takayanagi, Takashi; Munekata, Seiji; Miyazaki, Nobuyuki; and Moriwaki, Ken, 4,861,667, Cl. 428-421.000.
- Miyazaki, Noriyuki; and Matsuoka, Tetsunori, to Sanyo Electric Co., Ltd. Rechargeable battery. 4,873,160, 10-10-89, Cl. 429-170.000.
- Miyazaki, Osahiko: *See—*
  - Takeuchi, Hirosato; Miyazaki, Osahiko; Kazama, Yasuo; and Kurihara, Naoya, 4,832,170, Cl. 198-346.100.
- Miyazaki, Osamu: *See—*
  - Ono, Mitsuaki; Ueda, Masataka; and Miyazaki, Osamu, 4,888,658, Cl. 360-126.000.
- Miyazaki, Ryuichi; Kakihara, Yosuke; Doi, Yasushi; and Takizawa, Hirokazu, to Dainippon Screen Mfg. Co., Ltd. Image extraction mask. 4,868,884, 9-19-89, Cl. 382-30.000.
- Miyazaki, Satoshi: *See—*
  - Furuhashi, Koshi; Miyazaki, Satoshi; Furuya, Masakazu; Kawatobi, Tatsuo; Kouyama, Sinichi; and Kashio, Jiro, 4,875,208, Cl. 370-94.100.
- Miyazaki, Shigekazu: *See—*
  - Tanaka, Toshinori; Miyazaki, Shigekazu; and Morishita, Akira, 4,876,473, Cl. 310-216.000.
- Miyazaki, Shigeru: *See—*
  - Imai, Harumitsu; Suzuki, Ken-ichi; Miyazaki, Shigeru; and Kadota, Shigenobu, 4,843,008, Cl. 435-252.100.
- Miyazaki, Shizuo; and Fujita, Norio, to Toyota Jidosha Kabushiki Kaisha; and Kansai Paint Company, Limited. Finish coating method. 4,814,208, 3-21-89, Cl. 427-402.000.
- Miyazaki, Shouji: *See—*
  - Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, 4,869,958, Cl. 428-364.000.
- Miyazaki, Tadaaki; Ogino, Takao; Masuda, Yoshitomo; and Kawagoe, Takahiro, to Bridgestone Corporation. Non-aqueous electrolyte secondary cell. 4,803,137, 2-7-89, Cl. 429-194.000.
- Miyazaki, Tadaaki: *See—*
  - Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
  - Ogino, Takao; Miyazaki, Tadaaki; Kawagoe, Takahiro; and Yoshio, Masaki, 4,863,817, Cl. 429-194.000.
- Miyazaki, Takao; Yamada, Yoshiro; and Komine, Isamu, to NKK Corporation. Film thickness-measuring apparatus. 4,872,758, 10-10-89, Cl. 356-381.000.
- Miyazaki, Takao: *See—*
  - Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,814,838, Cl. 357-22.000.
  - Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,835,581, Cl. 357-16.000.
  - Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
  - Nakazato, Kazuo; Nakamura, Tohru; Miyazaki, Takao; Natsuaki, Nobuyoshi; Ogirima, Masahiko; and Nagata, Minoru, 4,819,055, Cl. 357-59.000.
  - Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.
  - Sano, Kazuo; Miyazaki, Takao; and Yamada, Yoshiro, 4,850,711, Cl. 356-382.000.
- Miyazaki, Takashi: *See—*
  - Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hideo; and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.
- Miyazaki, Takeshi: *See—*
  - Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, 4,854,030, Cl. 29-510.000.
- Miyazaki, Terunobu: *See—*
  - Nishijima, Kazuo; Miyazaki, Terunobu; and Sakou, Eisaburo, 4,806,929, Cl. 340-825.060.
  - Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.
- Miyazaki, Toru; and Kawai, Kiyoyuki, to Kabushiki Kaisha Toshiba. Motion detecting circuit for digital video signal. 4,851,904, 7-25-89, Cl. 358-105.000.
- Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, to Canon Kabushiki Kaisha. Method of and apparatus for forming film. 4,840,821, 6-20-89, Cl. 427-430.100.
- Miyazaki, Toshihiko: *See—*
  - Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.
  - Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
  - Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
  - Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
- Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, to Fujitsu Limited. Linear motor car system. 4,849,664, 7-18-89, Cl. 310-12.000.
- Miyazaki, Wasei; and Inoue, Yasuhiko, to Otsuka Pharmaceutical Co., Ltd. Pharmaceutical composition for treating ulcerative large intestinal disease. 4,873,261, 10-10-89, Cl. 514-462.000.
- Miyazaki, Wasei: *See—*
  - Shinohara, Masanao; Kaise, Hirotsugu; Nakano, Yoshimasa; Izawa, Taketoshi; Oshiro, Yasuo; and Miyazaki, Wasei, 4,831,053, Cl. 514-462.000.
- Miyazaki, Yasuhiro; Okada, Hiroo; Tsurukawa, Toshio; and Kobayashi, Shohei, to Olympus Optical Co., Ltd. Optical information recording and reproducing apparatus. 4,819,220, 4-4-89, Cl. 369-45.000.
- Miyazaki, Yasuko: *See—*
  - Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.
- Miyazaki, Yasumichi; and Koga, Yasunori, to Research Development Corporation. Scanning tunneling microscope installed in electron microscope. 4,798,989, 1-17-89, Cl. 310-328.000.
- Miyazaki, Yasuo: *See—*
  - Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.
- Miyazaki, Yoshihiro: *See—*
  - Hattori, Etsuo; Iwami, Tomoyuki; Miyazaki, Yoshihiro; and Ohbuchi, Ryutaroh, 4,799,056, Cl. 340-799.000.
  - Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Morioka, Takayuki; and Miyazaki, Yoshihiro, 4,807,113, Cl. 364-200.000.
  - Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, 4,841,439, Cl. 364-200.000.
- Miyazaki, Yoshio; and Ido, Yuji, to Kabushiki Kaisha Toshiba. Heat pipe. 4,815,529, 3-28-89, Cl. 165-104.260.
- Miyazaki, Yoshio; and Ido, Yuji, to Kabushiki Kaisha Toshiba. Heat pipe. 4,846,263, 7-11-89, Cl. 165-104.260.
- Miyazaki, Yoshio: *See—*
  - Shimazaki, Norihiko; Hemmi, Keiji; Nakaguti, Osamu; Miyazaki, Yoshio; and Hashimoto, Masashi, 4,806,538, Cl. 514-253.000.
  - Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, 4,860,417, Cl. 29-130.000.
- Miyazaki, Yukio: *See—*
  - Okitaka, Takenori; and Miyazaki, Yukio, 4,804,867, Cl. 307-473.000.
  - Okitaka, Takenori; and Miyazaki, Yukio, 4,806,802, Cl. 307-542.000.
  - Okitaka, Takenori; and Miyazaki, Yukio, 4,837,463, Cl. 307-473.000.
- Miyazako, Takushi: *See—*
  - Terashima, Kaoru; Miyazako, Takushi; and Katsuyama, Harumi, 4,839,278, Cl. 435-21.000.
- Miyazawa, Akiyasu; Harada, Mineo; Tajima, Eiji; and Abe, Takao, to Hitachi, Ltd. Print head having a wear resistant rotational fulcrum. 4,802,776, 2-7-89, Cl. 400-124.000.
- Miyazawa, Azuma: *See—*
  - Maeno, Hitoshi; Miyazawa, Azuma; and Maruyama, Atsushi, 4,878,077, Cl. 354-400.000.
- Miyazawa, Chihiro; Mikami, Hiroshi; Tsuboi, Akio; and Hamano, Katsuhide, to Mitsubishi Chemical Industries Limited. Process for the hydroformylation of an olefin. 4,822,917, 4-18-89, Cl. 568-454.000.
- Miyazawa, Hidehisa: *See—*
  - Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.
- Miyazawa, Hideo; Andoh, Ikuhiro; Koyama, Hiromichi; and Kobayashi, Mitsuru, to Fujitsu Limited. Insulation displacement connection (IDC) type cable connector and a method for assembling a cable thereto. 4,797,119, 1-10-89, Cl. 439-395.000.
- Miyazawa, Hideyuki, to Ricoh Company, Ltd. Integrated input/output device. 4,868,669, 9-19-89, Cl. 358-400.000.

- Miyazawa, Hiroshi: *See—*
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,825,436, Cl. 370-102.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,845,436, Cl. 328-14.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,873,684, Cl. 370-102.000.
- Miyazawa, Kazumi: *See—*
  - Tsukiyama, Tokuhiro; Sagara, Yasunori; and Miyazawa, Kazumi, 4,866,440, Cl. 341-95.000.
- Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, to Chisso Corporation. Liquid crystal carbonatobenzoic acid derivative and composition. 4,816.181, 3-28-89, Cl. 252-299.650.
- Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, to Chisso Corporation. 3-substituted biphenyl compound. 4,818,432, 4-4-89, Cl. 252-299.660.
- Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, to Chisso Corporation. Optically active liquid crystal compound having cyano group. 4,886,622, 12-12-89, Cl. 252-299.610.
- Miyazawa, Kazutoshi: *See—*
  - Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, 4,834,907, Cl. 252-299.650.
  - Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, 4,865,763, Cl. 252-299.610.
  - Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, 4,795,587, Cl. 252-299.610.
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  - Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
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  - Kadoya, Norio; Kawachi, Jun; and Miyazawa, Keiji, 4,841,296, Cl. 340-870.160.
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  - Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, 4,822,186, Cl. 400-120.000.
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  - Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,804,559, Cl. 427-96.000.
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  - Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.
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- Miyazawa, Takeo: *See—*
  - Saotome, Yasushi; Miyazawa, Takeo; and Endo, Takeshi, 4,873,301, Cl. 526-257.000.
- Miyazawa, Takeshige: *See—*
  - Matsuzawa, Masafumi; Hokari, Hiroshi; Kusano, Shoji; Miyazawa, Takeshige; and Toyokawa, Yasufumi, 4,875,930, Cl. 71-106.000.
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  - Miyahara, Masaaki; Matsui, Atsuo; Shimizu, Koh; Ihara, Hirokazu; and Miyazawa, Teruo, 4,834,638, Cl. 425-116.000.
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  - Izawa, Tetsurou; Miyazawa, Toshio; Nishizawa, Shigeki; Takemoto, Iwao; and Yasuda, Kouzou, 4,870,493, Cl. 358-213.190.
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  - Nakayama, Yoshiaki; and Miyazawa, Yasuhiro, 4,818,236, Cl. 439-34.000.
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  - Itoh, Mamoru, deceased; and Miyazawa, Yukimori, 4,849,588, Cl. 200-38.00R.
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  - Kashihara, Akio; Miyazono, Tadafumi; Ishii, Keizou; and Ishikura, Shinichi, 4,870,132, Cl. 525-100.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,812,549, Cl. 526-318.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,883,899, Cl. 560-14.000.
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  - Nishikawa, Yasuo; Miyazuka, Hajime; and Tsuji, Nobuo, 4,857,402, Cl. 428-336.000.
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- Miyokawa, Masaru: *See—*
  - Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueda, Kenji, 4,850,211, Cl. 72-8.000.
- Miyosawa, Yoshiaki: *See—*
  - Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
- Miyoshi, Akihiko: *See—*
  - Kanazawa, Hirotaka; Kawasaki, Shunsuke; Furutani, Shigeki; and Miyoshi, Akihiko, 4,805,939, Cl. 280-91.000.
  - Watanabe, Kenichi, Takehara, Shin; Snimoe, Hiroo; Miyoshi, Akihiko; and Kamimura, Shoich, 4,830,397, Cl. 280-707.000.

- Miyoshi, Hideaki: *See—*
  - Mitsunaga, Tatsuo; and Miyoshi, Hideaki, 4,847,173, Cl. 429-41.000.
- Miyoshi, Hisamitsu: *See—*
  - Takeuchi, Eizo; Miyoshi, Hisamitsu; and Mori, Keiichiro, 4,845,972, Cl. 72-370.000.
- Miyoshi, Jun: *See—*
  - Kubo, Isao; Kaneko, Toshikazu; Iwaki, Hirofumi; Kajikawa, Yoji; Asaoka, Junichi; and Miyoshi, Jun, 4,869,978, Cl. 429-165.000.
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  - Ueno, Toru; Fukuoka, Youichi; Baba, Seiichi; Miyoshi, Kaoru; and Kinoshita, Kazuto, 4,871,910, Cl. 250-560.000.
- Miyoshi Kasei Co., Ltd.: *See—*
  - Miyoshi, Ryota; and Imai, Isao, 4,863,800, Cl. 428-403.000.
- Miyoshi, Katsuyoshi: *See—*
  - Murai, Atsushi; Terano, Minoru; Kimura, Kohei; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,847,227, Cl. 502-127.000.
  - Terano, Minoru; Murai, Atsushi; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,816,433, Cl. 502-127.000.
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  - Nishiyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, 4,889,093, Cl. 123-400.000.
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  - Yamane, Akio; Kawasoe, Tatsuro; Tsukumo, Noriko; and Miyoshi, Kenichi, 4,876,335, Cl. 536-27.000.
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- Miyoshi, Makato: *See—*
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makato, 4,844,126, Cl. 137-625.210.
- Miyoshi, Makoto, to Nissan Motor Company, Limited. Power steering system. 4,830,130, 5-16-89, Cl. 180-141.000.
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  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,846,296, Cl. 180-140.000.
  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,852,462, Cl. 91-375.00A.
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  - Uchida, Koh; Kurihara, Takashi; Miyoshi, Makoto; and Kai, Hirohide, 4,862,985, Cl 180-141.000.
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  - Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,884,648, Cl. 180-142.000.
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  - Tanaka, Shigeo; Okumura, Mitsuhiro; Kajiwara, Makoto; and Miyoshi, Masanobu, 4,863,846, Cl. 430-572.000.
- Miyoshi, Masayasu: *See—*
  - Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; and Miyoshi, Masayasu, 4,797,990, Cl. 29-568.000.
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  - Komatsu, Fumio; Miyoshi, Motosuke; and Okumura, Katsuya, 4,807,159, Cl. 364-524.000.
- Miyoshi, Naoto: *See—*
  - Matsumoto, Shinichi; Miyoshi, Naoto; and Sato, Masayasu, 4,808,564, Cl. 502-303.000
  - Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
  - Takada, Toshihiro; Matsumoto, Shinichi; and Miyoshi, Naoto, 4,849,398, Cl. 502-303.000.
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  - Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Noriomi; Konosu, Naohiro; and Hashimoto, Tadao, 4,872,335, Cl. 73-30.000.
- Miyoshi Oil & Fat Co., Ltd.: *See—*
  - Kaneko, Tomiatsu; Yokoyama, Kazuaki; and Tsuruoka, Hisashi, 4,798,733, Cl. 426-549.000.
- Miyoshi, Ryota; and Imai, Isao, to Miyoshi Kasei Co., Ltd. Surface-treated pigment material. 4,863,800, 9-5-89, Cl. 428-403.000.
- Miyoshi, Shoji; and Nomura, Ryuichi, to Toyo Rubber Industry Co., Ltd. Process for producing pneumatic tire cords. 4,849,149, 7-18-89, Cl. 264-210.500.
- Miyoshi Shokai Co., Ltd.: *See—*
  - Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.
- Miyoshi, Tadahiko: *See—*
  - Kanai, Tsuneyuki; and Miyoshi, Tadahiko, 4,806,510, Cl. 501-97.000.
- Miyoshi, Takahito: *See—*
  - Hanai, Kazuko; Yamada, Yasuyuki; and Miyoshi, Takahito, 4,812,369, Cl. 428-425.900.
  - Kakuta, Takeshi; and Miyoshi, Takahito, 4,859,500, Cl. 427-128.000.
  - Yamaguchi, Nobutaka; Tadokoro, Eiichi; and Miyoshi, Takahito, 4,822,672, Cl. 428-323.000.
- Miyoshi, Takashi, to Okada Inc.; and Kohgakusha Engineering Co. Ltd. Optical axis displacement sensor. 4,828,390, 5-9-89, Cl. 356-373.000.
- Miyoshi, Takeshi: *See—*
  - Matsuno, Kazuhiro, deceased; Kobayashi, Toru; Miyoshi, Takeshi; and Kawashima, Hideaki, 4,797,493, Cl. 548-312.000.
- Miyoshi, Yasunobu: *See—*
  - Oshima, Yoshiyuki; Miyoshi, Yasunobu; and Hioki, Hiroko, 4,834,247, Cl. 206-631.000.
- Miyoshi, Yoshitake, to Mita Industrial Co., Ltd. Paper-feeding device. 4,822,023, 4-18-89, Cl. 271-118.000.
- Miyoshi, Yoshitake; and Shibata, Kiyotaka, to Mita Industrial Co., Ltd. Latent electrostatic image developing device and toner cartridge. 4,870,463, 9-26-89, Cl. 118-653.000.
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  - Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Masaru, Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, 4,806,179, Cl. 148-403.000.
- Mizandjian, Jean-Luc; Pean, Jean-Louis; and Amen, Jean, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process and apparatus for making an inert atmosphere in airtight packages. 4,870,801, 10-3-89, Cl. 53-432.000.
- Mizandjian, Jean-Luc: *See—*
  - Meyer, Jean-Marc; and Mizandjian, Jean-Luc, 4,835,937, Cl. 53-88.000.
- Mize, Patrick D.; and O'Connell, James P., to Becton, Dickinson and Company. Signal enhancement in immunoassay by modulation of enzymatic catalysis. 4,835,099, 5-30-89, Cl. 435-7.000.
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- Mizelle, Ned W. Extensible legrest mechanism for furniture seating units. 4,844,536, 7-4-89, Cl. 297-68.000.
- Mizelle, Ned W. Mattress and supporting structure therefor. 4,858,258, 8-22-89, Cl. 5-12.00R.
- Mizenina, Olga A.: *See—*
  - Atabekov, Iosif G.; Avaeva, Svetlana M.; Baikov, Alexandr A.; Kulinich, Alexandr V.; Mizenina, Olga A.; Kasho, Vladimir N., and Smirnova, Irina N., 4,808,522, Cl. 435-7.000.
- Mizerak, Dennis S., to Babcock & Wilcox Company, The. Snap on fuse cover. 4,841,413, 6-20-89, Cl. 361-400.000.
- Mizia, Franco; Rivetti, Franco; Romano, Ugo; Rivola, Luigi; and Civardi, Giuseppe, to Enichem Sintesi S.p.A. Stainless steel stress corrosion inhibitors. 4,849,170, 7-18-89, Cl. 422-7.000.
- Mizin, Vladimir G.: *See—*
  - Kolganov, Gennady S.; Volkov, Stanislav S.; Rudnev, Jury A.; Mizin, Vladimir G.; and Ivashina, Evgeny N., 4,818,281, Cl. 75-51.500.
- Mizobe, Tatsutoshi: *See—*
  - Fujiwara, Takuji; Ishii, Kozo; and Mizobe, Tatsutoshi, 4,841,813, Cl. 74-866.000.
- Mizobuchi, Shotaro; Sasaki, Katsumi; and Kimura, Yoshikazu, to Ebara Corporation. Pump with shaftless impeller. 4,806,080, 2-21-89, Cl. 417-353.000.
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  - Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, 4,861,395, Cl. 148-321.000.
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- Mizobuchi, Yuzo: *See—*
  - Kobayashi, Kiyotaka; Tabei, Masatoshi; Arashi, Madoka; and Mizobuchi, Yuzo, 4,825,293, Cl. 358-228.000.
- Mizoe, Kenji: *See—*
  - Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, 4,864,259, Cl. 333-189.000.
- Mizoe, Mikio: *See—*
  - Watanabe, Kanji; and Mizoe, Mikio, 4,849,282, Cl. 428-321.500.
- Mizoe, Shoji: *See—*
  - Iijima, Katsuhiko; Shiraishi, Yasumi; Mizoe, Shoji; and Ogata, Youichi, 4,844,483, Cl. 277-83.000.
- Mizoe, Takashi: *See—*
  - Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yamaoka, Noboru; and Matsuura, Kazuo, 4,822,855, Cl. 525-194.000.
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  - Mizoguchi, Haruki, 4,795,293, Cl. 409-136.000
  - Mizoguchi, Sutemaru, 4,818,159, Cl. 409-136.000.
- Mizoguchi, Kazuyuki: *See—*
  - Wakasa, Akinori; Mizoguchi, Kazuyuki; and Machida, Minoru, 4,834,042, Cl. 123-271.000.
- Mizoguchi, Kensaku: *See—*
  - Ito, Shoji; Mizoguchi, Kensaku; and Suda, Yoshio, 4,822,848, Cl. 524-549.000.
- Mizoguchi Manufacturing Co., Ltd.: *See—*
  - Nakayama, Yasuyuki; and Sada, Tomoya, 4,807,966, Cl. 350-255.000.
  - Nakayama, Yasuyuki; and Sada, Tomoya, 4,841,136, Cl. 250-231.00R.
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- Mizoguchi, Shigeru: *See—*
  - Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; Sukigara, Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, Shigeru, 4,887,096, Cl. 346-76.0PH.
  - Sukigara, Akihiko; Mizoguchi, Shigeru; Wada, Yuzo; Shibamiya, Yoshikazu; and Ohshima, Noriyoshi, 4,827,286, Cl. 346-76.0PH.
- Mizoguchi, Shoichi, to NEC Corporation. 8-phase phase-shift keying demodulator. 4,803,438, 2-7-89, Cl. 329-50.000.
- Mizoguchi, Shoichi, to NEC Corporation. Validity decision circuit capable of correctly deciding validity of an error signal in a multilevel quadrature amplitude demodulator. 4,859,956, 8-22-89, Cl. 329-50.000.
- Mizoguchi, Shoji, to Mitsubishi Denki Kabushiki Kaisha. PWM control apparatus for interphase reactor multiplex inverter. 4,802,079, 1-31-89, Cl. 363-71.000.
- Mizoguchi, Shozo: *See—*
  - Ueshima, Yoshiyuki; Mizoguchi, Shozo; and Komatsu, Nobuyuki, 4,809,765, Cl. 164-122.100.
- Mizoguchi, Sutemaru, to Mizoguchi Iron Works & Co., Ltd. Cutting tool holder with oil holes. 4,818,159, 4-4-89, Cl. 409-136.000.
- Mizoguchi, Takenobu: *See—*
  - Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.
- Mizoguchi, Takeshi: *See—*
  - Aratani, Shinichi; Katano, Masaaki; and Mizoguchi, Takeshi, 4,859,636, Cl. 501-72.000.
- Mizoguchi, Tetsuhiko; Sakai, Isao; Niu, Hiromi; and Inomata, Koichiro, to Kabushiki Kaisha Toshiba. Permanent magnet. 4,859,254, 8-22-89, Cl. 148-302.000.
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- Mizoguchi, Tetsuhiko: *See—*
  - Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamamiya, Hideki; and Sakai, Isao, 4,827,235, Cl. 335-297.000.
- Mizoguchi, Toyokazu: *See—*
  - Nakamura, Junichi; and Mizoguchi, Toyokazu, 4,806,779, Cl. 250-578.000.
- Mizoguchi, Yoshiyuki: *See—*
  - Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
  - Ishikawa, Tadashi; Watanabe, Yoshitaka; and Mizoguchi, Yoshiyuki, 4,831,455, Cl. 358-229.000.
  - Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,884,909, Cl. 400-625.000.
  - Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, 4,888,602, Cl. 346-134.000.
- Mizoguchi, Yutaka: *See—*
  - Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
- Mizogui, Toyokazu: *See—*
  - Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
- Mizohata, Tadashi: *See—*
  - Kishino, Takao; and Mizohata, Tadashi, 4,841,194, Cl. 313-496.000.
- Mizokami, Hiroshi: *See—*
  - Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,359, Cl. 530-396.000.
- Mizota, Hideaki: *See—*
  - Ishiguro, Toshio; Mizota, Hideaki; and Aoki, Tuyoshi, 4,863,337, Cl. 414-699.000.
- Mizota Industrial Co., Ltd.: *See—*
  - Kobayashi, Ichiji; and Sakata, Motohide, 4,877,537, Cl. 210-747.000.
- Mizota, Masahiro: *See—*
  - Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,840,945, Cl. 514-206.000.
  - Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,888,332, Cl. 514-206.000.
- Mizote, Eiji: *See—*
  - Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.
- Mizote, Hiroshi, to Sharp Kabushiki Kaisha. Magnetic data card reader. 4,849,616, 7-18-89, Cl. 235-449.000.
- Mizouchi, Masanori: *See—*
  - Itoh, Nobuaki; Kobayashi, Hiroaki; and Mizouchi, Masanori, 4,849,287, Cl. 428-337.000.
- Mizrah, Tiberiu; Maurer, Albert; and Gauckler, Ludwig, to Swiss Aluminium Ltd. Filter for cleaning the exhaust gases from diesel engines. 4,857,088, 8-15-89, Cl. 55-523.000.
- Mizrahi, Joseph, to IMC Fertilizer, Inc. Recovery of hydrogen fluoride from an aqueous solution containing ammonium fluoride and hydrogen fluoride. 4,882,134, 11-21-89, Cl. 423-356.000.
- Mizrahi, Sadi: *See—*
  - Chu, Pochen; and Mizrahi, Sadi, 4,818,738, Cl. 502-67.000.
- Mizude, Kazuhiro, to Mita Industrial Co., Ltd. Automatic exposure device. 4,796,060, 1-3-89, Cl. 355-68.000.
- Mizude, Kazuhiro; and Ujihira, Hideyuki, to Mita Industrial Co., Ltd. Specific cassette selection apparatus. 4,804,997, 2-14-89, Cl. 355-14.0SH.
- Mizuguchi, Katsumi; Okude, Yoshitaka; Miwa, Hiroshi; and Okuda, Hidefumi, to Nippon Paint Co., Ltd. Metal chelate compound and curable coating composition therefrom. 4,861,839, 8-29-89, Cl. 525-506.000.
- Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, to Yamaha Corporation. Electronic tuning apparatus. 4,796,509, 1-10-89, Cl. 84-454.000.
- Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, to Yamaha Corporation. Force sensitive device. 4,801,771, 1-31-89, Cl. 200-86.00R.
- Mizuguchi, Masami: *See—*
  - Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.
- Mizuguchi, Ryuzo: *See—*
  - Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, 4,888,406, Cl. 528-32.000.
  - Tsuboniwa, Noriyuki; Urano, Satoshi; and Mizuguchi, Ryuzo, 4,816,537, Cl. 526-301.000.
  - Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, 4,829,105, Cl. 523-415.000.
- Mizuguchi, Shinichi: *See—*
  - Ohnishi, Youichi; Okuda, Akira; Shima, Hiromi; and Mizuguchi, Shinichi, 4,812,712, Cl. 315-176.000.
- Mizuguchi, Takeshi: *See—*
  - Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, 4,859,481, Cl. 426-445.000.
  - Matsumura, Yasushi; Mizuguchi, Takeshi; and Matsui, Fumio, 4,859,487, Cl. 426-639.000.
- Mizuguchi, Yoshihiko: *See—*
  - Nomoto, Shinichi; Mizuguchi, Yoshihiko; and Watanabe, Fumio, 4,811,029, Cl. 343-779.000.
- Mizuhara, Howard, to GTE Products Corporation. Method of making a crucible and melting reactive metal alloys. 4,799,532, 1-24-89, Cl. 164-47.000.
- Mizuhara, Howard, to GTE Products Corporation. Slotted brazing alloy strip. 4,801,066, 1-31-89, Cl. 228-56.300.
- Mizuhara, Howard, to GTE Products Corporation. Ceramic laser tube. 4,835,793, 5-30-89, Cl. 372-61.000.
- Mizuhara, Howard, to GTE Products Corporation. Gold-palladium-nickel-copper-manganese filler metal for joining superalloy parts. 4,839,141, 6-13-89, Cl. 420-587.000.
- Mizuhara, Howard, to GTE Products Corporation. Gold-palladium-nickel-copper-manganese filler metal for joining superalloy. 4,853,291, 8-1-89, Cl. 428-593.000.
- Mizuhara, Howard; and Huebel, Eugene, to GTE Products Corporation. Clad system for brazing to alumina. 4,877,692, 10-31-89, Cl. 428-673.000.
- Mizuhara, Howard, to GTE Products Corporation. Titanium-niobium-nickel brazing alloy. 4,883,640, 11-28-89, Cl. 420-417.000.
- Mizuhara, Howard, to GTE Products Corporation. Silver-copper-titanium brazing alloy containing crust inhibiting element. 4,883,745, 11-28-89, Cl. 420-502.000.
- Mizuhara, Noboru; Hoshi, Tohru; Kashio, Jiro; and Morita, Takashi, to Hitachi, Ltd. Communication system using switching apparatus. 4,837,816, 6-6-89, Cl. 379-221.000.

Mizuhashi, Mamoru: *See*—
Oyama, Takuji; Suzuki, Koichi; and Mizuhashi, Mamoru, 4,859,532, Cl. 428-336.000.
Mizuhashi, Toshihiko: *See*—
Takahashi, Teruhisa; and Mizuhashi, Toshihiko, 4,795,503, Cl. 148-127.000.
Mizui, Kinya: *See*—
Kaneshige, Ryousuke; and Mizui, Kinya, 4,877,557, Cl. 252-56.00S.
Mizuide, Yasuo, to Kabushiki Kaisha Toshiba. Differential comparator. 4,806,791, 2-21-89, Cl. 307-355.000.
Mizuishi, Haruzi: *See*—
Koichi, Yasushi; Mizuishi, Haruzi; Funaki, Mutuko; and Fujioka, Tetsuya, 4,885,466, Cl. 250-324.000.
Mizuishi, Kenichi; Tokuda, Masahide; and Chiba, Katuaki, to Hitachi, Ltd. Method for fabricating composite structure. 4,819,857, 4-11-89, Cl. 228-121.000.
Mizuishi, Kenichi: *See*—
Kato, Takeshi; Mizuishi, Kenichi; and Chiba, Katuaki, 4,812,002, Cl. 350-96.180.
Mizuishi, Kouji: *See*—
Ikeda, Yasuhiro; and Mizuishi, Kouji, 4,886,647, Cl. 422-250.000.
Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, to Nippon Kokan Kabushiki Kaisha. Powder manufacturing apparatus and method therefor. 4,886,547, 12-12-89, Cl. 75-0.50C.
Mizukami, Hikaru: *See*—
Sakurai, Kaoru; Murakami, Harunori; Mizukami, Hikaru; and Fujita, Kazuhisa, 4,873,532, Cl. 343-713.000.
Mizukami, Koichiro: *See*—
Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
Mizukami, Kunio: *See*—
Kawasaki, Masaki; and Mizukami, Kunio, 4,800,184, Cl. 501-140.000.
Mizukami, Makoto; Otani, Koji; and Takanami, Shuichi, to Nippon Telegraph and Telephone Corporation. Actuator access control system for a magnetic head using trapezoidal drive current. 4,796,112, 1-3-89, Cl. 360-78.070.
Mizukami, Masamichi: *See*—
Konishi, Akihiko; Mizukami, Masamichi; and Shimuta, Masanori, 4,836,859, Cl. 134-1.000.
Mizukami, Masao: *See*—
Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
Kishi, Atsuo; and Mizukami, Masao, 4,795,325, Cl. 418-87.000.
Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masao, 4,815,195, Cl. 29-523.000.
Mizukami, Takeshi, to NEC Corporation. Refresh address counter test control circuit for dynamic random access memory system. 4,807,196, 2-21-89, Cl. 365-222.000.
Mizukami, Tamio: *See*—
Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga; and Saito, Akiko, 4,849,359, Cl. 435-252.330.
Mizukami, Toshiaki, to Sharp Kabushiki Kaisha. Circuit for precharging a bus. 4,883,989, 11-28-89, Cl. 307-448.000.
Mizukami, Toshihiko: *See*—
Satoh, Yayoi; and Mizukami, Toshihiko, 4,873,724, Cl. 381-40.000.
Mizukoshi, Daijiro: *See*—
Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
Mizukoshi, Masahito; Kawasaki, Eishi; Miyajima, Takeshi; and Fukazawa, Takeshi, to Nippondenso Co., Ltd. Facedown-type semiconductor pressure sensor with spacer. 4,881,056, 11-14-89, Cl. 338-4.000.
Mizukoshi, Yasumasa; and Ishijima, Minoru, to Nippon Seiko Kabushiki Kaisha. Clamp band. 4,802,261, 2-7-89, Cl. 24-20.0TT.
Mizukoshi, Yasumasa, to Nippon Seiko Kabushiki Kaisha. Tripod type constant velocity joint. 4,808,145, 2-28-89, Cl. 464-111.000.
Mizukoshi, Yasumasa, to Nippon Seiko Kabushiki Kaisha. Tripot type constant velocity universal joint. 4,854,917, 8-8-89, Cl. 464-111.000.
Mizuma, Takashi; and Nakao, Koji, to Mazda Motor Corporation. Arrangements for forming roof structures of vehicle bodies. 4,838,607, 6-13-89, Cl. 296-219.000.
Mizuma, Takashi: *See*—
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Mizumoto, Kouji: *See*—
Onogi, Yasuharu; Oka, Akinori; Nagatomo, Masakatsu; Kondo, Takumi; and Mizumoto, Kouji, 4,840,834, Cl. 428-211.000.
Mizumoto, Kousei: *See*—
Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,836,325, Cl. 180-333.000.
Enokimoto, Akito; Hosoya, Eiji; Kasa, Keiji; Handa, Akio; Ishiwatari, Makoto; and Mizumoto, Kousei, 4,887,844, Cl. 280-779.000.
Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto; and Okuma, Takanori, 4,799,565, Cl. 180-69.400.
Mizumoto, Shozo: *See*—
Haga, Masaki; Tsuji, Kiyotaka; Nawafune, Hidemi; Mizumoto, Shozo; and Uchida, Ei, 4,804,410, Cl. 106-1.150.
Mizumoto, Yasuharu: *See*—
Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiwara, Yasuhiro, 4,859,804, Cl. 174-25.00R.
Mizumura, Shunzi: *See*—
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Mizumura, Yutaka: *See*—
Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatsuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
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Mizuno, Akihiro: *See*—
Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.
Mizuno, Bunji; and Kubota, Masafumi, to Matsushita Electric Industrial Co., Ltd. Method for removing impurities existing in semiconductor substrate. 4,837,172, 6-6-89, Cl. 437-011.000.
Mizuno, Chiaki: *See*—
Ogawa, Hiroshi; Mizuno, Chiaki; and Tamai, Yasuo, 4,803,120, Cl. 428-323.000.
Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,803,131, Cl. 428-694.000.
Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, 4,806,417, Cl. 428-323.000.
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Mizuno, Fumio: *See*—
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Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, to Aisin Seiki Kabushiki Kaisha. Hydraulic brake system. 4,848,853, 7-18-89, Cl. 303-110.000.
Mizuno, Genji: *See*—
Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.
Mizuno, Hideaki: *See*—
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Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, to Hitachi, Ltd. Process for treating radioactive waste liquid. 4,804,498, 2-14-89, Cl. 252-628.000.
Mizuno, Hiroshi; Shibata, Yoshihisa; and Sakurai, Takashi, to Nippondenso Co., Ltd. Portable receiving antenna system. 4,816,838, 3-28-89, Cl. 343-771.000.
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Mizuno, Hisayoshi; and Nara, Fumio, to Ikeda Bussan Co, Ltd. Seat material and a method of producing the same. 4,833,741, 5-30-89, Cl. 5-404.000.
Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, to Ube Industries, Ltd. Method of foreseeing break-through in gas adsorbing apparatus. 4,820,316, 4-11-89, Cl. 55-18.000.
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Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, 4,828,094, Cl. 192-139.000.
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Murase, Masanori; Tomita, Naotaka; Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,858,720, Cl. 181-176.000.
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Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Apparatus for controlling steering of wheels of a vehicle. 4,834,205, 5-30-89, Cl. 180-141.000.
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Trueblood, John W.; and Mizuno, Masami, 4,808,984, Cl. 340-723.000.
Mizuno, Masao: *See*—
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Mizuno, Masayuki, to Mita Industrial Co., Ltd. Automatic original feeding and discharging unit. 4,836,525, 6-6-89, Cl. 271-3.000.
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Mizuno, Mikizo: *See*—
Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.
Mizuno, Naohito: *See*—
Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, 4,840,067, Cl. 73-726.000.
Mizuno, Satoshi: *See*—
Shirouzu, Tatsuji; Morita, Masatoshi; and Mizuno, Satoshi, 4,805,062, Cl. 361-4.000.
Shirouzu, Tatsuji; Takahashi, Tatsuo; Sato, Motoo; and Mizuno, Satoshi, 4,862,313, Cl. 361-102.000.
Mizuno, Seiichiro: *See*—
Kyomasu, Mikio; Tanaka, Hitoshi; and Mizuno, Seiichiro, 4,839,735, Cl. 358-213.310.
Kyomasu, Mikio; and Mizuno, Seiichiro, 4,866,527, Cl. 358-213.190.
Mizuno, Shigeo, to Fuji Jukogyo Kabushiki Kaisha. Fuel control system for an automotive engine. 4,870,933, 10-3-89, Cl. 123-325.000.
Mizuno, Shinji, to Teikoku Tsushin Kogyo Co., Ltd. Flexible printed circuit board terminal structure. 4,815,981, 3-28-89, Cl. 439-77.000.
Mizuno, Shinji; Kawato, Humio; Hanazawa, Kazuyoshi; Aoyama, Tatsuaki; and Ogasawara, Yoshinari, to CKD Kabushiki Kaisha. Apparatus for separating gaseous mixtures. 4,875,911, 10-24-89, Cl. 55-162.000.
Mizuno, Shinya; Kuratani, Shusei; Uno, Kohichi; Sakuramoto, Hisashi; and Nishiyama, Satoshi, to Narumi China Corporation. Sintered body of aluminum nitride. 4,833,108, 5-23-89, Cl. 501-98.000.
Mizuno, Shinya: *See*—
Kuratani, Shusei; Uno, Kohichi; Mizuno, Shinya; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,843,038, Cl. 501-98.000.
Mizuno, Sumiko: *See*—
Imada, Yukio; Yoshikawa, Nobuji; Mizuno, Sumiko; and Mikawa, Takashi, 4,871,667, Cl. 435-142.000.
Mizuno, Takanori: *See*—
Matsumura, Shuzo; Mizuno, Takanori; Aoki, Noboru; and Suzuki, Takahire, 4,873,466, Cl. 313-131.00R.
Mizuno, Takeshi; and Higuchi, Toshiro, to Seiko Seiki Kabushiki Kaisha. Controlled type magnetic bearing device. 4,839,550, 6-13-89, Cl. 310-90.500.
Mizuno, Takeyuki; and Kato, Koji, to NGK Insulators, Ltd. Ceramic-metal composite bodies. 4,886,695, 12-12-89, Cl. 428-137.000.
Mizuno, Tetsuo: *See*—
Hidaka, Toshio; and Mizuno, Tetsuo, 4,871,867, Cl. 549-514.000.
Mizuno, Tetsuya: *See*—
Sonoi, Takehiro; Sagawa, Toshimasa; Yamada, Okimasa; and Mizuno, Tetsuya, 4,885,398, Cl. 568-404.000.
Yamada, Okimasa; Mizuno, Tetsuya; Sonoi, Takehiro; and Sagawa, Toshimasa, 4,833,212, Cl. 525-359.200.
Mizuno, Tiaki: *See*—
Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
Imai, Masahito; Yamada, Toshitaka; Mizuno, Tiaki; and Shioya, Hirohito, 4,829,822, Cl. 73-516.00R.
Mizuno, Tohru; and Ishikawa, Haruyuki, to Fanuc Ltd. Robot control apparatus. 4,815,011, 3-21-89, Cl. 364-513.000.
Mizuno, Tohru: *See*—
Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuichi; and Morikawa, Shigehiro, 4,857,700, Cl. 219-124.340.
Mizuno, Tooru; and Kiribayashi, Shinichi, to Nippondenso Co., Ltd. Fluorescent display tube drive apparatus. 4,835,447, 5-30-89, Cl. 315-169.100.
Mizuno, Toru: *See*—
Nanba, Sinzi; Mizuno, Toru; Koike, Satoshi; and Goto, Tukasa, 4,832,427, Cl. 350-3.720.
Mizuno, Toshiya; Yasumi, Hideyuki; and Matsunaga, Satoru, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing biaxially stretched polyparaphenylene sulfide film. 4,839,129, 6-13-89, Cl. 264-235.000.
Mizuno, Tsukasa, to NEC Corporation. Cooling system. 4,794,981, 1-3-89, Cl. 165-80.400.
Mizuno, Yasuo; Nishino, Atsushi; Ikeda, Masaki; and Kurio, Shinji, to Matsushita Electric Industrial Co., Ltd. Sealing glass. 4,855,261, 8-8-89, Cl. 501-76.000.
Mizuno, Yasuo: *See*—
Nishino, Atsushi; Mizuno, Yasuo; and Ikeda, Masaki, 4,885,020, Cl. 65-2.000.
Mizuno, Yoshio: *See*—
Kawase, Shigeru; Kinjo, Hisao; Mizuno, Yoshio; and Shudo, Katsuyuki, 4,868,678, Cl. 358-313.000.
Mizuno, Yuji: *See*—
Iwamoto, Hiroshi; Tamura, Yutaka; Mizuno, Yuji; and Yokota, Akihiro, 4,812,916, Cl. 358-289.000.
Mizuno, Yukio: *See*—
Aiba, Masahiko; and Mizuno, Yukio, 4,878,225, Cl. 372-38.000.
Mizuno, Yuuzi: *See*—
Ikeda, Masahide; Atoji, Hitomi; Ohara, Takashi; and Mizuno, Yuuzi, 4,796,061, Cl. 355-73.000.
Mizunoya, Hobuyuki: *See*—
Sugiura, Yasuyuki; and Mizunoya, Hobuyuki, 4,863,658, Cl. 264-65.000.
Mizunoya, Nobuyuki; Kohama, Hajime; and Sugiura, Yasuyuki, to Tokyo Shibaura Denki Kabushiki Kaisha. Method for directly bonding ceramic and metal members and laminated body of the same. 4,849,292, 7-18-89, Cl. 428-433.000.
Mizunoya, Nobuyuki: *See*—
Sato, Hideki; and Mizunoya, Nobuyuki, 4,835,065, Cl. 428-622.000.
Sato, Hideki; and Mizunoya, Nobuyuki, 4,873,151, Cl. 428-627.000.
Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, 4,883,704, Cl. 428-209.000.
Mizunuma, Masanori, to Tomy Kogyo Co., Inc. Hand held game instrument. 4,813,670, 3-21-89, Cl. 273-1.0GG.
Mizunuma, Masanori, to Tomy Kogyo Co., Inc. String pickup game. 4,863,164, 9-5-89, Cl. 273-1.0GG.
Mizunuma, Takeshi: *See*—
Yamazaki, Shunpei; and Mizunuma, Takeshi, 4,832,456, Cl. 350-334.000.
Mizunuma, Yasuyuki; Nakano, Hiroyuki; and Murakami, Yoshikazu, to Sony Corporation. Ferromagnetic resonator. 4,847,579, 7-11-89, Cl. 333-219.200.
Mizunuma, Yasuyuki: *See*—
Murakami, Yoshikazu; Mizunuma, Yasuyuki; Ohgihara, Takahiro; Nakano, Hiroyuki; Niikura, Kanako; and Okamoto, Tsutomu, 4,887,052, Cl. 331-96.000.
Ohgihara, Takahiro; Murakami, Yoshikazu; Mizunuma, Yasuyuki; and Nakano, Hiroyuki, 4,873,496, Cl. 331-96.000.
Mizusaki, Shigenobu: *See*—
Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
Mizusaki, Sigenobu; Matsushita, Hajime; Ishiguro, Shigeo; Ichinose, Hiroshi; and Izumi, Akira, to Japan Tobacco, Inc. Process for reducing aldehydes or ketones. 4,877,909, 10-31-89, Cl. 568-880.000.
Mizusaki, Sigenobu: *See*—
Matsumoto, Takashi; Okada, Takashi; and Mizusaki, Sigenobu, 4,841,055, Cl. 546-261.000.
Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., to Clorox Company, The. Rinse release laundry additive and dispenser. 4,882,917, 11-28-89, Cl. 68-17.00A.
Mizusawa, Eugene A.: *See*—
Lewis, Sheldon N.; Choy, Clement K.; Mizusawa, Eugene A.; and Casella, Tracey L., 4,851,139, Cl. 252-8.800.
Mizusawa Industrial Chemicals, Ltd.: *See*—
Nakamura, Seiichi; Saito, Mamoru; and Sugawara, Toshiaki, 4,871,498, Cl. 264-115.000.
Usui, Kiochi; Sato, Teiji; Tanaka, Masanori; and Takahashi, Noriyuki, 4,830,843, Cl. 423-331.000.

Mizusawa, Nobutoshi: *See—*
  Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Osabe, Kuniji, 4,798,694, Cl. 264-60.000.
Mizusawa, Norihito; Gohara, Yoshihiro; and Nakayasu, Yoshikazu, to Sanshin Kogyo Kabushiki Kaisha. Fuel supplying system for outboard motor. 4,820,215, 4-11-89, Cl. 440-88.000.
Mizusawa, Norihito: *See—*
  Oishi, Hiroshi; and Mizusawa, Norihito, 4,832,641, Cl. 440-88.000.
Mizusawa, Shigeru: *See—*
  Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.
  Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500.
Mizusawa, Yoshinori: *See—*
  Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, 4,887,974, Cl. 439-259.000.
Mizushima, Kihou: *See—*
  Horiuchi, Michio; and Mizushima, Kihou, 4,827,082, Cl. 174-52.400.
Mizushima, Kiyoshi: *See—*
  Aizawa, Koichi; Sewa, Shingo; Mizushima, Kiyoshi; and Emoto, Minoru, 4,824,903, Cl. 524-772.000.
  Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.
Mizushima, Koichi: *See—*
  Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, 4,871,236, Cl. 350-355.000.
  Miura, Akira; Gemma, Nobuhiro; Mizushima, Koichi; Azuma, Makoto; and Iwakiri, Takano, 4,819,210, Cl. 365-106.000.
  Naito, Katsuyuki; Okamoto, Masayoshi; Mizushima, Koichi; Nakayama, Toshio; Sugiuchi, Masami; and Miura, Akira, 4,819,057, Cl. 357-17.000.
Mizushima, Kunio: *See—*
  Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushima, Kunio; and Sakemoto, Akito, 4,828,925, Cl. 428-425.900.
Mizushima, Sadao, to Honda Giken Kogyo Kabushiki Kaisha. Engine-powered portable working apparatus. 4,827,147, 5-2-89, Cl. 290-1.00A.
Mizushima, Shigesaburo. Process for producing a shape-memorizing wool and animal hair. 4,835,803, 6-6-89, Cl. 8-128.100.
Mizushima, Tatsuhiko, to Mitsubishi Denki Kabushiki Kaisha. Image display apparatus. 4,857,909, 8-15-89, Cl. 340-793.000.
Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, to Canon Kabushiki Kaisha. Image recording apparatus. 4,843,432, 6-27-89, Cl. 355-41.000.
Mizushima, Yoshihiko; Tsuchiya, Yutaka; Koishi, Musubu; and Takeshima, Akira, to Hamamatsu Photonics Kabushiki Kaisha. Time interval measuring device. 4,827,317, 5-2-89, Cl. 356-73.100.
Mizushima, Yoshihiko: *See—*
  Koishi, Musubu; Mizushima, Yoshihiko; and Kan, Hirofumi, 4,875,093, Cl. 358-83.000.
Mizushima, Yoshihiro: *See—*
  Aoki, Akira; Mizushima, Yoshihiro; and Kuroyanagi, Toshiya, 4,832,400, Cl. 297-284.000.
  Sato, Kiyosumi; Mizushima, Yoshihiro; Ohnishi, Katsumi; Kato, Motokazu; and Matsumoto, Toshio, 4,835,677, Cl. 364-200.000.
Mizushima, Yukio: *See—*
  Hirai, Kentaro; Mizushima, Yukio; and Doteuchi, Masami, 4,839,365, Cl. 514-301.000.
  Hirai, Kentaro; and Mizushima, Yukio, 4,882,338, Cl. 514-307.000.
  Matsutani, Shigeru; Mizushima, Yukio; Doteuchi, Masami; and Ishihara, Yasunobu, 4,840,953, Cl. 514-258.000.
Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, to Taisho Pharmaceutical Co., Ltd.; and Green Cross Corporation, The. Fat emulsion containing prostaglandin. 4,849,451, 7-18-89, Cl. 514-530.000.
Mizuta, Akira, to Fuji Photo Film Co., Ltd. Magnetic disk cartridge assembly system. 4,839,953, 6-20-89, Cl. 29-225.000.
Mizuta, Akira; and Fujiwara, Morio, to Fuji Photo Film Co., Ltd. Magnetic disk cartridge. 4,853,817, 8-1-89, Cl. 360-133.000.
Mizuta, Akira, to Fuji Photo Film Co., Ltd. Apparatus for taking out flexible work. 4,854,569, 8-8-89, Cl. 271-98.000.
Mizuta, Akira: *See—*
  Iwamoto, Shoji; Mizuta, Akira; Irie, Tadashi; and Ishiguro, Masanori, 4,814,927, Cl. 360-133.000.
Mizuta, Ken, to Alps Electric Co., Ltd. Power window device with circuit for automatic window closing. 4,808,894, 2-28-89, Cl. 318-266.000.
Mizuta, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Response/-processing apparatus for external-abnormal-state in data processing system. 4,841,477, 6-20-89, Cl. 364-900.000.
Mizuta, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Memory card having an elastomer connector. 4,889,498, 12-26-89, Cl. 439-86.000.
Mizuta, Tatsuji: *See—*
  Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.
Mizutani, Akio: *See—*
  Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.
Mizutani, Futoshi; Kyogoku, Takeshi; Saitoh, Tatsuo; and Endoh, Shigeki, to Sumitomo Electric Industries, Ltd. Method of manufacturing fiber preform for single-mode fibers. 4,875,918, 10-24-89, Cl. 65-3.120.
Mizutani, Futoshi: *See—*
  Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, 4,880,452, Cl. 65-3.120.
  Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, 4,846,867, Cl. 65-3.120.
Mizutani, Hideo; Sato, Isao; and Shibuya, Masato, to Nikon Corporation. Apparatus for detecting the level of an object surface. 4,864,12 9-5-89, Cl. 250-225.000.
Mizutani, Hideo: *See—*
  Ishizaka, Shoji; Mizutani, Hideo; Makinouchi, Susumu; and Tanimoto, Akikazu, 4,801,977, Cl. 355-30.000.
Mizutani, Hikaru, to Hitachi Maxell, Ltd. Tape cartidge. 4,875,64 10-24-89, Cl. 242-198.000.
Mizutani, Hikaru; and Maehara, Yoshimi, to Hitachi Maxell, Ltd. Mechanism for preventing loosening of tape in a tape cartridge. 4,881,696, 11-21-89, Cl. 242-199.000.
Mizutani, Hiroshi: *See—*
  Ito, Osamu; and Mizutani, Hiroshi, 4,822,350, Cl. 604-372.000.
Mizutani, Hiroyuki; and Kamitake, Takashi, to Kabushiki Kaisha Toshiba. Communications network using an enciphering and deciphering device. 4,823,388, 4-18-89, Cl. 380-23.000.
Mizutani, Hiroyuki: *See—*
  Kamitake, Takashi; Mizutani, Hiroyuki; and Kawamura, Shin-ichi, 4,862,501, Cl. 380-50.000.
Mizutani, Hisataka: *See—*
  Ogawa, Yoshitake; Takeuchi, Akira; and Mizutani, Hisataka, 4,823,713, Cl. 112-217.000.
Mizutani, Hitoshi: *See—*
  Azuma, Hitoshi; and Mizutani, Hitoshi, 4,819,512, Cl. 74-713.000.
Mizutani, Isao; and Enomoto, Akio, to NGK Insulators, Ltd. Condensation resistant electrode for use in a dielectric heating apparatus. 4,801,778, 1-31-89, Cl. 219-10.810.
Mizutani, Isao, to NGK Insulators, Ltd. Dielectric drying process for honeycomb structures. 4,837,943, 6-13-89, Cl. 34-1.000.
Mizutani, Isao; Hijikata, Toshihiko; and Harada, Takashi, to NGK Insulators, Ltd. Ceramic honeycomb structural bodies and method of producing the same. 4,840,827, 6-20-89, Cl. 428-116.000.
Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, to Toyoda Gosei Co., Ltd.; and Matsushita Electric Industrial Co., Ltd. Vehicle television receiver system. 4,843,477, 6-27-89, Cl. 358-248.000.
Mizutani, Junji; and Fujita, Kozo, to Sasakura Engineering Co. Ltd. Aftertreatment method and apparatus for distilled water. 4,795,5 1-3-89, Cl. 203-11.000.
Mizutani, Kazumi: *See—*
  Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shimizu, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, 4,795,795, Cl. 528-53.000.
Mizutani, Kiroyuki: *See—*
  Tanaka, Toshiaki; and Mizutani, Kiroyuki, 4,860,220, Cl. 364-522.000.
Mizutani, Kiyokazu; Kato, Hitoshi; Ogasawara, Kuniko; and Endo, Takeshi, to Toagosei Chemical Industry Co., Ltd. Method for production of spiro-orthocarbonate. 4,849,529, 7-18-89, Cl. 549-334.000.
Mizutani, Kiyokazu: *See—*
  Taguchi, Hiromu; Mizutani, Kiyokazu; Kato, Hiroyuki; and Endo, Takeshi, 4,870,193, Cl. 549-334.000.
Mizutani, Mario, to Print Kiko Co., Ltd. Form collator gluing apparatus. 4,878,981, 11-7 , Cl. 156-356.000.
Mizutani, Masamichi: *See—*
  Takada, Keisuke; and Mizutani, Masamichi, 4,823,254, Cl. 364-188.000.
Mizutani, Masashi: *See—*
  Tomizawa, Youzi; and Mizutani, Masashi, 4,841,394, Cl. 360-99.060.
Mizutani, Masato; Shiroshita, Masao; Sakaki, Masaharu; Okuda, Hiroki; and Mito, Nobuaki, to Sumitomo Chemical Company, Limited. Cinnoline derivative, process for preparing the same and [illegible] composition containing the same. 4,875,924, 10-24-89, Cl. 71-92.000.
Mizutani, Masato: *See—*
  Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, [illegible] and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Mizutani, Minoru; Hayashi, Kuniharu; Kikuchi, Hiroshi; and Chiba, Naoki, to Oki Electric Industry Co., Ltd. Stepping motor. 4,823,0 4-18-89, Cl. 310-257.000.
Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, to Canon Kabushiki Kaisha. Image forming apparatus with disconnectable carriage drive. 4,806,9 2-21-89, Cl. 355-8.000.
Mizutani, Morikazu: *See—*
  Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,809,033, Cl. 355-3.0SH.
  Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.

Mizutani, Motoharu, to Kabushiki Kaisha Toshiba. Access control device and method for dynamic memory devices. 4,849,936, 7-18-89, Cl. 365-189.010.
Mizutani, Satoshi, to King Jim Co., Ltd. Slide file. 4,867,479, 9-19-89, Cl. 281-48.000.
Mizutani, Satoshi: *See—*
  Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, 4,854,030, Cl. 29-510.000.
Mizutani, Shigemitsu; Yamaguchi, Jun; and Miyakama, Tadashi, to Fuji Photo Film Co., Ltd. Thermal-optical recording head. 4,833,488, 5-23-89, Cl. 346-76.0PH.
Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, to Brother Kogyo Kabushiki Kaisha. Magneto-optical recording medium having pairs of mutually corresponding recording segments, and apparatus for recording information on the medium. 4,807,204, 2-21-89, Cl. 369-13.000.
Mizutani, Sinzi: *See—*
  Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, 4,806,809, Cl. 310-75.00D.
Mizutani, Tadashi: *See—*
  Saeki, Toshinori; Mizutani, Tadashi; and Tsujimoto, Susumu, 4,806,376, Cl. 426-537.000.
  Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.
Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumino; and Hamada, Fumihiko, to Sanyo Electric Co., Ltd. Electrophotographic copying machine having an editorial function. 4,796,052, 1-3-89, Cl. 355-7.000.
Mizutani, Tomoji; Isozaki, Hideo; Hirata, Makoto; and Fukushima, Hiroshi, to Kohjin Co., Ltd. Heat shrinkable film. 4,801,652, 1-31-89, Cl. 525-240.000.
Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko; and Ohnuma, Yoshiyuki, to Kabushiki Kaisha Toshiba. Silicon carbide sintered body and method of manufacturing the same. 4,853,299, 8-1-89, Cl. 428-698.000.
Mizutani, Toshikazu: *See—*
  Egashira, Akihiko; Yazaki, Takao; Kakizaki, Tetsuzi; and Mizutani, Toshikazu, 4,866,117, Cl. 524-406.000.
Mizutani, Toshinari: *See—*
  Ikeda, Hayato; Mori, Hideo; and Mizutani, Toshinari, 4,867,650, Cl. 417-269.000.
Mizutani, Toyonobu; Yoshizawa, Masao; and Izawa, Toichiro, to Masao Yoshizawa. Colored frit and method for manufacturing of artificial stone. 4,818,731, 4-4-89, Cl. 501-17.000.
Mizutani, Wataru: *See—*
  Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.
Mizutani, Yasukazu: *See—*
  Ubukata, Susumu; Mizutani, Yasukazu; and Iyoda, Syozo, 4,843,363, Cl. 337-94.000.
Mizutani, Yohji: *See—*
  Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizutani, Yohji; and Kishida, Nobuhiro, 4,803,036, Cl. 264-526.000.
  Takakusaki, Nobuyuki; Mizutani, Yohji; Kishida, Nobuhiro; and Hosokawa, Manabu, 4,850,850, Cl. 425-526.000.
Mizutani, Yoichi; Niimi, Yoshihiro; and Harada, Ikuo, to Aichi Steel Works, Ltd. Molten metal heating method. 4,849,014, 7-18-89, Cl. 75-10.650.
Mizutani, Yoshihiko: *See—*
  Shibata, Kazuyoshi; and Mizutani, Yoshihiko, 4,882,033, Cl. 204-425.000.
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  Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, 4,804,951, Cl. 340-719.000.
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  Boretzky, Leon N.; and Wytiaz, Mark J., 4,816,325, Cl. 428-423.100.
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  Dunlap, Kenneth L.; Markusch, Peter H.; and Ferrell, Clarence D., 4,888,442, Cl. 560-352.000.
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  Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., 4,847,320, Cl. 524-722.000.
  Lowery, Michael K.; Keegan, Richard E.; and Koshute, Mark A., 4,855,352, Cl. 524-728.000.
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  Lundy, Charles E.; and Krishnan, Sivaram, 4,873,271, Cl. 523-136.000.
  Lundy, Charles E.; Krishnan, Sivaram; and Reinert, Gerard E., 4,874,802, Cl. 524-94.000.
  Mafoti, Robson; and Nodelman, Neil H., 4,857,561, Cl. 521-159.000.
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  Markusch, Peter H.; and Rosthauser, James W., 4,826,894, Cl. 523-415.000.
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  Milliren, Charles M., 4,876,292, Cl. 521-159.000.
  Morris, Susan M.; Ellis, Margaret D.; and Thomas, Thomas J., 4,813,974, Cl. 8-657.000.
  Nodelman, Neil H., 4,797,464, Cl. 528-110.000.
  Nodelman, Neil H.; and Kelso, Robert G., 4,859,791, Cl. 560-91.000.
  Paul, Winfried G.; Price, Ronald L.; and Krishnan, Sivaram, 4,880,864, Cl. 524-404.000.

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Saad, Elie E., 4,880,463, Cl. 75-257.000.
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White, Roger J.; and Krishnan, Sivaram, 4,851,453, Cl. 521-140.000.
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Child, Jonathan E., 4,812,431, Cl. 502-42.000.
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Frisco, Frank D.; Kadash, Raymond J.; and Silverman, Keith B., 4,887,903, Cl. 356-372.000.
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Han, Scott; and Palermo, Robert E., 4,864,074, Cl. 585-943.000.
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Prader, Randolph D., 4,858,862, Cl. 248-99.000.
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Quaglino, Carl A., 4,797,860, Cl. 367-47.000.
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Silvey, Frank C., 4,839,108, Cl. 261-97.000.
Silvey, Frank C., 4,865,697, Cl. 203-40.000.
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Strubhar, Malcolm K., 4,867,241, Cl. 166-308.000.
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Su, Tien-Kuei, 4,851,478, Cl. 525-240.000.
Su, Tien-Kuei, 4,859,398, Cl. 264-564.000.
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Uhri, Duane C., 4,830,106, Cl. 166-250.000.

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Mobley, George A., to Milliken Research Corporation. Laminator unwind roll stand. 4,869,436, 9-26-89, Cl. 242-58.400.
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  Sasaki, Michiaki; Mochida, Haruo; and Nasu, Tetsuzi, 4,815,436, Cl. 123-520.000.
  Takeda, Yoshimitsu; Mochida, Haruo; Iwasaki, Tsutomu; and Kanai, Toshio, 4,871,994, Cl. 340-457.000.
Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, to Fuji Photo Film Co., Ltd. Photographic film package and method of making the same. 4,884,087, 11-28-89, Cl. 354-75.000.
Mochida, Mitsuyoshi: *See—*
  Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, 4,890,130, Cl. 354-288.000.
Mochida, Naoki; and Sawada, Hiroaki, to Mitsubishi Rayon Co., Ltd.; and Mitsubishi Acetate Co., Ltd. Process for production of cellulose acetate molding materials. 4,888,147, 12-19-89, Cl. 264-207.000.
Mochida Pharmaceutical Co., Ltd.: *See—*
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,866,055, Cl. 514-206.000.
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,880,798, Cl. 514-206.000.
  Mochida, Ei, 4,797,258, Cl. 422-65.000.
  Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; and Haga, Akinori, 4,839,368, Cl. 514-313.000.
  Naora, Hirokazu; Onuki, Takashi; and Nakamura, Asao, 4,849,535, Cl. 556-441.000.
  Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,840,945, Cl. 514-206.000.
  Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,888,332, Cl. 514-206.000.
Mochida, Shoro: *See—*
  Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, 4,866,258, Cl. 235-472.000.
Mochida, Yoshihiro; Sugimoto, Takeyuki; Shirahama, Ichiro; and Kiyomoto, Naoshi, to ORC Manufacturing Co., Ltd. Method of measuring and displaying double refraction occurring in a material to be measured. 4,850,710, 7-25-89, Cl. 356-367.000.
Mochida, Yoshio: *See—*
  Nakamura, Yoshiro; Mori, Kunio; Okumura, Minoru; Mochida, Yoshio; and Miyazaki, Matsuo, 4,801,394, Cl. 252-75.000.
Mochimaru, Hideaki: *See—*
  Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
Mochisuki, Daisuke: *See—*
  Asai, Shin; Miyakoshi, Kazumitsu; and Mochisuki, Daisuke, 4,817,025, Cl. 364-724.010.
Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, to Fujitsu Limited. Projection type liquid crystal display device. 4,812,034, 3-14-89, Cl. 383-122.000.
Mochizuki, Akihiro: *See—*
  Matsumaru, Shigeo; Mochizuki, Akihiro; and Isoi, Syuzi, 4,830,803, Cl. 264-135.000.
  Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, 4,832,461, Cl. 350-347.00E.
Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, to Hitachi, Ltd. Page turning apparatus. 4,870,258, 9-26-89, Cl. 235-379.000.
Mochizuki, Akira: *See—*
  Kyo, Sunao; Omura, Katsumi; and Mochizuki, Akira, 4,814,425, Cl. 526-262.000.
Mochizuki, Chiori: *See—*
  Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,742, Cl. 350-347.00V.
  Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
Mochizuki, Eiichi: *See—*
  Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.

Mochizuki, Hajime: *See—*
  Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jituo; Mochizuki, Hajime; and Kobayashi, Takao, 4,883,950, Cl. 235-440.000.
Mochizuki, Hideharu; and Toki, Junji, to Koito Manufacturing Co., Ltd. Housing for vehicular lamp assembly. 4,843,531, 6-27-89, Cl. 362-421.000.
Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, to Ricoh Company, Ltd. Sublimation type thermosensitive image transfer recording medium. 4,880,768, 11-14-89, Cl. 503-227.000.
Mochizuki, Hidenori: *See—*
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,866,055, Cl. 514-206.000.
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,880,798, Cl. 514-206.000.
Mochizuki, Hirohiko: *See—*
  Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.
  Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.
Mochizuki, Hiromine: *See—*
  Ando, Masatoshi; and Mochizuki, Hiromine, 4,816,153, Cl. 210-445.000.
Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device and method for making the same. 4,884,120, 11-28-89, Cl. 357-68.000.
Mochizuki, Hiroshi: *See—*
  Harada, Shigeru; Noguchi, Takeshi; and Mochizuki, Hiroshi, 4,867,859, Cl. 204-298.000.
Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for coating metal part with synthetic resin. 4,806,388, 2-21-89, Cl. 427-46.000.
Mochizuki, Hiroyuki: *See—*
  Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.
Mochizuki, Ikuo: *See—*
  Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.
Mochizuki, Jun; and Asanoh, Toshio, to Hitachi, Ltd. Method of measuring color purity of color display and apparatus therefor. 4,814,858, 3-21-89, Cl. 358-10.000.
Mochizuki, Kanji: *See—*
  Murai, Yoshikazu; Yamaguchi, Tatsuo; and Mochizuki, Kanji, 4,889,649, Cl. 252-73.000.
Mochizuki, Kazuo: *See—*
  Muko, Ryoichi; Mochizuki, Kazuo; Kimura, Hajime; Ichida, Toshio; and Kobayashi, Shigeru, 4,834,845, Cl. 204-28.000.
  Ogata, Hajime; Nakakouji, Hisatada; Hamahara, Kyoko; Mochizuki, Kazuo; and Ichida, Toshio, 4,832,800, Cl. 204-28.000
Mochizuki, Kazuto; and Kawahara, Katsushi, to Akai Electric Company, Limited. Insulator device for power transformer. 4,859,977, 8-22-89, Cl. 336-65.000.
Mochizuki, Keizo: *See—*
  Makishima, Shinichi; and Mochizuki, Keizo, 4,839,182, Cl. 426-242.000.
Mochizuki, Kenichi: *See—*
  Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.
Mochizuki, Kenji: *See—*
  Ishikawa, Kazushige; Mochizuki, Kenji; Maehara, Toshihiro; and Hagiri, Masaharu, 4,873,586, Cl. 358-342.000.
Mochizuki, Kiyofumi: *See—*
  Ryu, Shiro; and Mochizuki, Kiyofumi, 4,888,817, Cl. 455-619.000.
  Tamura, Yasuaki; and Mochizuki, Kiyofumi, 4,805,977, Cl. 350-96.160.
Mochizuki, Kosuke: *See—*
  Kobayashi, Hisao; and Mochizuki, Kosuke, 4,817,641, Cl. 132-201.000.
Mochizuki, Kouiti: *See—*
  Ishikuro, Tadashi; Mochizuki, Kouiti; and Fujiyama, Masaaki, 4,851,288, Cl. 428-329.000.
Mochizuki, Kouji; Ozeki, Masashi; and Ohtsuka, Nobuyuki, to Fujitsu Limited. Method of growing group III-V compound semiconductor epitaxial layer. 4,861,417, 8-29-89, Cl. 156-610.000.
Mochizuki, Kousuke: *See—*
  Kobayashi, Hisao; and Mochizuki, Kousuke, 4,799,502, Cl. 132-53.000.
Mochizuki, Manabu; Kurotori, Tsuneo; and Hasegawa, Toshiharu, to Ricoh Company Ltd. Color recording apparatus. 4,801,965, 1-31-89, Cl. 355-4.000.
Mochizuki, Manabu; and Kurotori, Tuneo, to Ricoh Company, Ltd. Developing apparatus. 4,833,500, 5-23-89, Cl. 355-256.000.
Mochizuki, Manabu: *See—*
  Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.
  Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
Mochizuki, Masahiro, to Aisin Seiki Kabushiki Kaisha. Supercharging pressure control device. 4,883,041, 11-28-89, Cl. 123-564.000.
Mochizuki, Masaki: *See—*
  Yokoi, Yoshihiko; Kawai, Kazuo; Onda, Youkichi; and Mochizuki, Masaki, 4,843,708, Cl. 29-407.000.
Mochizuki, Masami, to Pioneer Electronic Corporation. Surface acoustic wave resonator having transducers and reflectors of different periods. 4,837,476, 6-6-89, Cl. 310-313.00R.
Mochizuki, Masashi: *See—*
  Iwashita, Yukihiro; and Mochizuki, Masashi, 4,859,037, Cl. 35
  339.00F.
Mochizuki, Masataka: *See—*
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,836,275, Cl. 165-46.000.
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,854,372, Cl. 165-46.000.
  Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, 4,858,679, Cl. 165-46.000.
  Yatsuhashi, Motoharu; Mochizuki, Masataka; and Sugihara, Shinchi, 4,842,053, Cl. 165-104.140.
Mochizuki, Mikio: *See—*
  Shimomura, Tetsuro; Tanaka, Katsufusa; and Mochizuki, Mikio, 4,864,455, Cl. 361-125.000.
Mochizuki, Mitsuyoshi: *See—*
  Mochizuki, Shogo; Isogai, Hisao; Ishikawa, Sadanori; and Mochizuki, Mitsuyoshi, 4,817,918, Cl. 266-87.000.
Mochizuki, Nobuo: *See—*
  Suzuki, Akira; Mochizuki, Nobuo; Tasaka, Motoo; and Morohoshi, Kunichika, 4,818,605, Cl. 428-321.300.
  Suzuki, Akira; Mochizuki, Nobuo; and Morohoshi, Kunichika, 4,871,609, Cl. 428-195.000.
Mochizuki, Norihiro: *See—*
  Egara, Koichi; Mochizuki, Norihiro; Nakamura, Kenji; and Yoshinaga, Kazuo, 4,882,715, Cl. 367-140.000.
Mochizuki, Satomi: *See—*
  Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanami, Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, Cl. 430-60.000.
Mochizuki, Seiji; and Kato, Fumiyasu, to Toppan Moore Company Ltd. Paper splicing device. 4,875,633, 10-24-89, Cl. 242-58.300.
Mochizuki, Seiji: *See—*
  Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.
Mochizuki, Shigehiko, to Yazaki Corporation. Contact terminal for high voltage resistor wire. 4,863,391, 9-5-89, Cl. 439-125.000.
Mochizuki, Shigehiko; Kanda, Masahiro; and Serizawa, Yoshinori, to Yazaki Corporation. Ignition plug connector and manufacturing method. 4,880,389, 11-14-89, Cl. 439-125.000.
Mochizuki, Shogo; Isogai, Hisao; Ishikawa, Sadanori; and Mochizuki, Mitsuyoshi, to Nippon Light Metal Co., Ltd. Apparatus for filtering molten scraps of metal for regeneration. 4,817,918, 4-4-89, Cl. 266-87.000.
Mochizuki, Shuji, to Three Bond Co. Ltd. Anaerobically curable composition having a good stability. 4,812,497, 3-14-89, Cl. 524-87.000.
Mochizuki, Shuji: *See—*
  Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.
Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, to Shimadzu Corporation. Apparatus for fusing cells. 4,804,450, 2-14-89, Cl. 204-299.00R.
Mochizuki, Takayasu; and Yamanaka, Chiyoe, to Hoya Corp.; and Yamanaka, Chiyoe. Laser plasma X-ray generator capable of continuously generating X-rays. 4,866,517, 9-12-89, Cl. 378-119.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, to Hitachi Koki Company, Limited; and Hitachi, Ltd. Beam position control device. 4,841,137, 6-20-89, Cl. 250-236.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, to Hitachi Ltd.; and Hitachi Koki Co., Ltd. Optical scanning apparatus with optical correction for scan mirror surface tilt. 4,882,483, 11-21-89, Cl. 250-236.000.
Mochizuki, Takeshi: *See—*
  Arimoto, Akira; Saito, Susumu; and Mochizuki, Takeshi, 4,806,951, Cl. 346-108.000.
Mochizuki, Tatsuya: *See—*
  Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, 4,887,436, Cl. 62-155.000.
Mochizuki, Toshihiro: *See—*
  Kikuchi, Toshiaki; and Mochizuki, Toshihiro, 4,815,837, Cl. 350-637.000.
  Toshiaki, Kikuchi; Mochizuki, Toshihiro; Ito, Yasutoshi; and Yamana, Tohru, 4,877,214, Cl. 248-483.000
Mochizuki, Toshiyasu: *See—*
  Machida, Tsutomu; Mochizuki, Toshiyasu; and Sasaki, Masaru, 4,862,330, Cl. 362-61.000.
  Matsumura, Naoki; and Mochizuki, Toshiyasu, 4,845,600, Cl. 362-80.000.
Mochizuki, Tsuyoshi: *See—*
  Murao, Masatsugu; Murao, Kazuhiko; and Mochizuki, Tsuyoshi, 4,811,748, Cl. 134-122.00R.
Mochizuki, Tutomu, to Aichi Tokei Denki Co., Ltd. Method and apparatus for making compensation for DC offset voltage generated in amplifying circuit in electromagnetic flowmeter. 4,856,345, 8-15-89, Cl. 73-861.170.
Mochizuki, Wataru; Ogino, Seiichi; and Takano, Hirohiko, to Mitsuba Electric Mfg. Co., Ltd. Electric motor system for automobiles. 4,857,812, 8-15-89, Cl. 318-15.000.
Mochizuki, Yasuhiro: *See—*
  Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.
Mochizuki, Yoshinori: *See—*
  Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, 4,882,556, Cl. 335-8.000.
  Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, 4,799,037, Cl. 335-46.000.
  Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi; and Moriwaki, Hideaki, 4,808,953, Cl. 335-42.000.
Mochizuki, Zenichi: *See—*
  Yamamoto, Harutoshi; Mochizuki, Zenichi; and Sakomoto, Sadasue, 4,808,486, Cl. 428-609.000.
Mock, Bruno A. Control manifold inserted in the flow route of a system for transferring pressure media in a gaseous and/or liquid gaseous state. 4,881,961, 11-21-89, Cl. 62-292.000.
Mock, Clayton W.: *See—*
  Hansen, Ronald D.; Mock, Clayton W.; and Kadifa, Abdo G., 4,859,995, Cl. 340-710.000.
Mock, Elmar; and Meyrat, Clement, to ETA SA Fabriques d'Ebauches. Woven ribbon with weft threads joined in parallel by warp threads. 4,846,230, 7-11-89, Cl. 139-383.00R.
Mock, Elmar, to ETA SA Fabriques d'Ebauches. Timepiece having case formed of rock-like material. 4,853,910, 8-1-89, Cl. 368-300.000.
Mock, Roger C. Board game. 4,871,177, 10-3-89, Cl. 273-256.000.
Mockford, Mary J.: *See—*
  Manley, James D.; Mockford, Mary J.; and Stanley, David R., 4,861,735, Cl. 501-96.000.
Mockli, Peter. Methine-azo compounds containing cyclic cationic ammonium groups and open-chain coupling components. 4,847,364, 7-11-89, Cl. 534-605.000.
Mockli, Peter, to Ciba-Geigy Corporation. Methine-azo compounds containing cyclic cationic ammonium groups. 4,883,866, 11-28-89, Cl. 534-606.000.
Mod, William A.: *See—*
  Ezzell, Bobby R.; Carl, William P.; and Mod, William A., 4,804,727, Cl. 526-247.000.
  Ezzell, Bobby R.; Carl, William P.; and Mod, William A., 4,834,922, Cl. 260-543.00F.
Modafferi, Mario; and Juneau, Paul A., to Pratt & Whitney Canada Inc. Rotor assembly. 4,836,750, 6-6-89, Cl. 416-244.00A.
Modar, Inc.: *See—*
  Hong, Glenn T.; Killilea, William R.; and Thomason, Terry B., 4,822,497, Cl. 210-721.000.
Modaresse, Francois, to U.S. Philips Corporation. Device for data rate regulation linked to at least two digital video signal components. 4,868,641, 9-19-89, Cl. 358-13.000.
Modawar, Faris A.: *See—*
  West, Richard J.; Marcotte, Stephen F., Jr.; and Modawar, Faris A., 4,828,965, Cl. 430-309.000.
Modcom Corporation: *See—*
  Harrington, Christopher C., 4,864,647, Cl. 455-603.000.
Moddelmog, Gunter: *See—*
  Dingeldein, Elvira; Wahlig, Helmut; Wotschokowsky, Manfred; and Moddelmog, Gunter, 4,869,906, Cl. 424-423.000.
Mode, Duane R., to Waldorf Corporation. Two-celled expandable microwave cooking sling. 4,820,893, 4-11-89, Cl. 219-10.55E.
Mode, Duane R., to Waldorf Corporation. Tapered tray with pre-glued elevating legs. 4,871,111, 10-3-89, Cl. 229-104.000.
Mode, Duane R., to Waldorf Corporation. Locking, double-layered microwave package. 4,876,427, 10-24-89, Cl. 219-10.55E.
Modelkin, Jury I.: *See—*
  Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
Modena, Giorgio: *See—*
  Campestrini, Sandro; Di Furia, Fulvio; Modena, Giorgio; and Pasquato, Lucia, 4,859,799, Cl. 568-430.000.
Modena, Silvana; Fontana, Alberto; Moggi, Giovanni; and Bargigia, Gianangelo, to Ausimont S.p.A. Cotelomers of vinilydene fluoride with fluorinated olefins and process for their preparation. 4,810,765, 3-7-89, Cl. 526-249.000.
Modena, Silvana: *See—*
  Fontana, Alberto; Modena, Silvana; and Moggi, Giovanni, 4,827,002, Cl. 549-346.000.
Modern Body and Engineering Corp.: *See—*
  Campian, Jon R., 4,849,911, Cl. 364-521.000.
Modern Controls, Inc.: *See—*
  Mayer, Daniel W.; Loebig, Craig K.; and Savick, Wayne K., 4,852,389, Cl. 73-38.000.
Modern Display Plastics: *See—*
  Niemi, Herbert, 4,828,209, Cl. 248-221.100.
Modern Fibers Incorporated: *See—*
  Cadenhead, Roy A., Sr., 4,834,049, Cl. 122-438.000.
Modern Milly Limited: *See—*
  Shirley-Smith, Leo D.; and Winning, Michael, 4,817,251, Cl. 24-710.400.
Modernfold, Inc.: *See—*
  Toma, John W.; and Owens, N. Douglas, 4,837,891, Cl. 16-87.40R.
Modert, Timothy D.: *See—*
  VanderBilt, Herbert J.; and Modert, Timothy D., 4,859,386, Cl. 264-113.000.
Modesitt, Mark E., to RCA Licensing Corporation. Deflection circuit for non-standard signal source. 4,868,659, 9-19-89, Cl. 358-148.000.
Modglin, Donald D., to Merrick Engineering, Inc. Method and apparatus for forming welded rings. 4,837,418, 6-6-89, Cl. 219-121.450
Modi, Pravin G.; Ross, Timothy C.; and Story, Paul R., to Cardinal Research & Development Co., Inc. Heterocyclic organotin compounds. 4,816,593, 3-28-89, Cl. 556-89.000.
Modic, Frank J.; and Striker, Richard A., to General Electric Company. Low viscosity silicone foam compositions. 4,871,782, 10-3-89, Cl. 521-88.000.
Modic, Michael J.; and Gelles, Richard, to Shell Oil Company. Polymeric composition. 4,859,737, 8-22-89, Cl. 525-64.000.
Modic, Michael J.: *See—*
  Gelles, Richard; Willis, Carl L.; and Modic, Michael J., 4,868,243, Cl. 525-64.000.
Modica, Frank S.: *See—*
  Bertolacini, Ralph J.; Hirschberg, Eugene H.; and Modica, Frank S., 4,836,993, Cl. 423-244.000.
Modin, Jimmie D. A cabinet for handling hairstyling brushes. 4,848,857, 7-18-89, Cl. 312-206.000.
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  Granetzke, Dennis; and Matter, Thomas H., 4,862,953, Cl. 165-67.000.
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  Saperstein, Z. Philip, 4,877,083, Cl. 165-176.000.
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  Gavin, F. Paul; and Peloquin, Debra J., 4,843,788, Cl. 52-205.000.
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- Moergeli, Benjamin: *See—*
  - Levy, Gideon; Budin, Josef; and Moergeli, Benjamin, 4,859,324, Cl 210-195.200.
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  - Martin, Trevor I.; Breton, Marcel P.; Branston, Randolph E. Moffat, Karen A.; and Mychajlowskij, Walter, 4,855,209, C 430-126.000.
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  - Oliver, John P.; and Bright, Thomas F., 4,887,794, Cl. 251-315.00
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  - Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., 4,873,205, Cl. 437-200.000.
- Mohn, Frank. Pump or compressor unit. 4,830,584, 5-16-89, Cl. 417-356.000.
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  - Corbach, Rainer; Mohr, Adolf; Utsch, Berthold; and Zimmermann, Kurt, 4,827,173, Cl. 310-218.000.
- Mohr, Dieter: *See—*
  - Pawlowski, Georg; Mohr, Dieter; and Jung, Guenter, 4,828,959, Cl. 430-175.000.
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  - Ehrfeld, Wolfgang; Hagmann, Peter; Mohr, Jurgen; and Munchmeyer, Dietrich, 4,872,888, Cl. 55-16.000.
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  - Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
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  - Goor, Daniel; Mohr, Raphael; Haddad, Ihsan A.; and Oliver, William R., 4,798,211, Cl. 128-668.000.
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  - Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.
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  - Satoh, Hiroshi; and Mohri, Minoru, 4,808,775, Cl. 200-1.00V.
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  - Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki, Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
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  - Reiser, Peter; and Mohring, Fritz, 4,828,488, Cl. 431-263.000.
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  - Allen, Luanne M.; Hagerty, Robert O.; and Mohring, Richard O., 4,888,318, Cl. 502-105.000.
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  - Zerbes, Rudolf; Linke, Siegfried W.; and Mohrmann, Karl H., 4,886,892, Cl. 549-519.000.
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  - Gallenkamp, Bernd; Gunther, Andreas; Mohrmann, Karl-Heinrich; and Schmidt, Thomas, 4,874,860, Cl. 544-221.000.
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- Moilanen, John R., to American Standard Inc. Scroll compressor relief valve. 4,840,545, 6-20-89, Cl. 417-301.000.
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  - Wild, Peter M.; Vickers, Geoffrey W.; Hopkin, David A.; and Moilliet, Antony, 4,886,597, Cl. 210-321.680.
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- Moir, William H., to Chrysler Motors Corporation. Impact absorbing device for a vehicle. 4,829,979, 5-16-89, Cl. 293-132.000.
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  - Forestier, Serge; Moire, Claudine; and Lang, Gerard, 4,867,964, Cl. 424-47.000.
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  - Wampler, Richard K.; Carriker, John W.; Butler, Kenneth C.; and Moise, John C., 4,846,152, Cl. 128-1.00D.
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  - Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Gobralev, Nikolai N., 4,827,455, Cl. 366-292.000.
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  - Sovish, Richard C.; Selleslags, Frank K. A.; and Moisson, Marc F. L., 4,879,799, Cl. 29-447.000.
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- Mokry, Pierre, to Dow Corning France S.A. Sealed chambers. 4,802,068, 1-31-89, Cl. G29362-61.000.
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  - Mulder, Merle W.; and Mol, Vernon J., III, 4,874,112, Cl. 221-1.000.
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  - Gellert, Jobst U.; and Schmidt, Harald H., 4,810,184, Cl. 425-548.000.
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  - Hanson, Glenn R., 4,848,049, Cl. 52-97.000.
- Molded Accoustical Products: *See*—
  - D'Amico, John A., 4,824,507, Cl. 156-245.000.
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- Mole-Richardson Company: *See*—
  - Krokaugger, William G., 4,885,508, Cl. 315-287.000.
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  - Heller, Michael J., 4,824,776, Cl. 435-6.000.
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  - Parish, Harlie A.; and Purcell, William P., 4,885,311, Cl. 514-549.000.
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  - Humphries, Gillian M. K.; Parce, John W.; and McConnell, Harden M., 4,849,330, Cl. 435-4.000.
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  - Nichols, Larry D., 4,804,541, Cl. 424-449.000.
- Molenda, Robert P., to Minnesota Mining and Manufacturing Company. Repositionable advertising insert. 4,842,303, 6-27-89, Cl. 281-38.000.
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  - Baggett, George E., Jr.; and DeRoss, Robert W., 4,835,921, Cl. 52-220.000.
  - Baisz, George J.; and Colleran, Stephen A., 4,846,733, Cl. 439-622.000.
  - Berry, Stephen R.; and Wright, Steven F., 4,825,537, Cl. 29-747.000.
  - Brubaker, Weldon, 4,813,884, Cl. 439-389.000.
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  - Dambach, Philip J.; and Brown, Ray, 4,812,003, Cl. 350-96.180.
  - Dechelette, Helen; and Fontenaud, Christian, 4,807,358, Cl. 29-857.000.
  - Dechelette, Helen M. P., 4,878,858, Cl. 439-607.000.
  - Finney, James E.; and Brubaker, Weldon L., 4,875,582, Cl. 206-330.000.
  - Fry, Rupert J., Jr.; and Silbernagel, Raymond A., 4,842,550, Cl. 439-471.000.
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  - Igarashi, Masazumi, 4,838,806, Cl. 439-341.000.
  - Ii, Hidehiro, 4,824,391, Cl. 439-329.000.
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  - Klemmer, Robert A.; and Wright, Steven F., 4,810,154, Cl. 414-222.000.
  - Krone, John J., 4,825,960, Cl. 173-51.000.
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  - Mosquera, Rene A.; and Zahlit, Wayne A., 4,820,180, Cl. 439-248.000.
  - Olson, Thorwald F., 4,815,594, Cl. 206-328.000.
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  - Ponn, Timothy R., 4,857,010, Cl. 439-417.000.
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  - Sampson, Stephen A.; Dambach, Philip J.; and Brunker, David L., 4,840,451, Cl. 350-96.200.
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- Molina, Cynthia M.: *See*—
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- Molina, Orlando G., to Rockwell International Corporation. Water washable contaminant detection and labeling compositions and method for utilizing same. 4,858,465, 8-22-89, Cl. 73-104.000.
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  Dziobek, Frank; and Mollenhoff, Horst, 4,877,423, Cl. 55-27.000.
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  Hartmann, Werner; and Moller, Henning, 4,865,052, Cl. 131-844.000.
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Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quaden, Phillipp J.; and Dutko, Peter J., to Picker International, Inc. Ultrasonic mechanical sector scanning transducer probe assembly. 4,869,257, 9-26-89, Cl. 128-660.100.
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Molnar, Gerald, to Mitel Corporation. Trunk circuit with loop length gain equalization. 4,887,293, 12-12-89, Cl. 379-164.000.

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Molnar, Terrence O. Stroller car seat. 4,878,680, 11-7-89, Cl. 280-30.000.
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  Forgar, Monica; and Bjornson-Ljungblom, Kerstin, 4,838,868, Cl. 604-180.000.
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  Hanssen, Carl-Otto, 4,889,136, Cl. 128-855.000.
  Hellgren, Maud; and Zoller, Henry, 4,818,315, Cl. 156-62.200.
  Hermansson, Jonas, 4,828,555, Cl. 606-379.000.
  Widlund, Urban, 4,880,421, Cl. 604-385.200.
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Molock, Frank F.: *See*—
  Su, Kai C.; and Molock, Frank F., 4,857,606, Cl. 525-455.000.
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  Alenskis, Brian A.; Geil, Gerald L.; Gill, Dee R.; and Moloney, Brian N., 4,867,834, Cl. 156-433.000.
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  Hilliard, Jeffrey L.; and Moloney, Maurice M., 4,882,281, Cl. 435-287.000.
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Molski, Bernard E. Wheel chair hoist assembly for vehicles. 4,806,060, 2-21-89, Cl. 414-462.000.
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  Shishido, Hideomi; Doi, Shigeo; Sumida, Hideki; and Tanaka, Masayuki, 4,856,781, Cl. 273-65.00E.
Molten, Robert: *See*—
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Molter, Trent M.; and LaConti, Anthony B., to United Technologies Corporation. Hydrogen/halogen fuel cell with improved water management system. 4,818,637, 4-4-89, Cl. 429-15.000.
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Moltzen, Ejner K.: *See*—
  Bogeso, Klaus P.; Jensen, Klaus G.; Moltzen, Ejner K.; and Pedersen, Henrik, 4,866,077, Cl. 514-326.000.
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  Koneval, Donald J.; Pollnow, Harold J.; and Molus, Richard J., Sr., 4,825,710, Cl. 73-866.500.
Moly, Jose, to Precision Mechanique Labinal, S.A. Wiring harness and method for manufacturing same. 4,831,726, 5-23-89, Cl. 29-857.000.
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  Leandris, Sergio; and Moly, Jose, 4,875,286, Cl. 29-872.000.
Molyneux, Godfrey M. O. Resilient material housing in the nose of a rail anchorage. 4,821,957, 4-18-89, Cl. 238-317.000.
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  Dekura, Yoshinori; Momata, Kazuhiro; and Seto, Tokiyuki, 4,796,132, Cl. 360-113.000
  Kamo, Yoshihisa; and Momata, Kazuhiro, 4,821,012, Cl. 338-32.00R.
  Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo, Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.
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  Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.
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  Nakajima, Yasuyoshi; Umezawa, Takao; Momiyama, Takashi; and Inoue, Yoichi, 4,865,794, Cl. 264-278.000.
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  Horiguchi, Fumio; Itoh, Yasuo; Ogura, Mitsugi; and Momodomi, Masaki, 4,799,193, Cl. 365-149.000.
Momohara, Hideo: *See*—
  Deguchi, Yutaka; Momohara, Hideo; Tsuchida, Yasuyuki; Ootani, Toshio; and Nakanishi, Yuji, 4,832,576, Cl. 417-45.000.
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  Kurashina, Yoshikazu; Miyata, Hiroshi; and Momose, Den-ichi, 4,877,795, Cl. 514-306.000.
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  Koshiba, Nobuharu; Momose, Keigo; and Kayakawa, Hayashi, 4,844,994, Cl. 429-60.000.

- Momose, Yoshiaki: *See—*
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- Momtchilov, Emil T.: *See—*
  - Samokovliiski, David A.; Nemetchek, Alfred E.; Gitchev, Mihail G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Momtchilov, Emil T., 4,845,336, Cl. 219-137.200.
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  - Bernitt, Charles I.; and Mon, Paul J., 4,819,114, Cl. 360-133.000
- Monachan, Brian C.: *See—*
  - Waddell, Ewan M.; Orr, James S.; and Monachan, Brian C., 4,859,536, Cl. 428-408.000.
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  - Schwartz, Robert E.; Onishi, Janet C.; Monaghan, Richard L.; Liesch, Jerrold M.; and Hensens, Otto D., 4,847,284, Cl. 514-424.000.
- Monahan, Brian J. Programmable lock apparatus and method. 4,836,002, 6-6-89, Cl. 70-382.000.
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- Monahan, Steven E.: *See—*
  - Gut, George M.; and Monahan, Steven E., 4,810,322, Cl. 156-345.000.
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  - Bradlee, Charles R., 4,794,773, Cl. 72-12.000.
  - Bradlee, Charles R., 4,801,102, Cl. 242-7.020.
  - Gusching, Nagle V., 4,827,801, Cl. 74-813.00L.
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  - Benge, S. Eugene, 4,802,944, Cl. 156-247.000.
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  - Benge, S. Eugene; and Froning, Robert L., 4,843,404, Cl. 343-895.000.
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  - Feltz, John F.; Hartings, Michael F.; and Heaton, Richard D., 4,872,018, Cl. 343-742.000.
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  - Mistyurik, John D.; Taylor, Bruce E.; and Huggins, Orville C., 4,844,438, Cl. 271-181.000.
  - Morrison, Donald A., 4,846,924, Cl. 156-384.000.
  - Stork, Edward S., 4,813,355, Cl. 101-288.000.
  - Strausburg, Larry D., 4,838,469, Cl. 227-67.000.
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  - Hall, Mitchell A., 4,799,580, Cl. 194-235.000.
- Monasco, Raymond D., to E-Z Drive, Inc. Golf ball teeing apparatus. 4,832,345, 5-23-89, Cl. 273-201.000.
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  - de Jaeger, Nikolaas C. J.; Monbaliu, Marcel J.; Noppe, Marcus J. M.; and Konings, Frank J., 4,837,168, Cl. 436-533.000.
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- Moncorge, Richard: *See—*
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  - Hervat, John C.; Mondek, Matthew H.; Osborn, Harold L.; and Umek, Gregory M., 4,863,405, Cl. 440-53.000.
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  - Grollier, Jean F.; Dubief, Claude; and Mondet, Jean, 4,880,618, Cl. 424-43.000.
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- Monfedi, Jim M.: *See—*
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- Monforte, Mathew L., to Multivisions Corporation. Robotic end effectors. 4,852,928, 8-1-89, Cl. 294-88.000.
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- Monitech Corporation: *See—*
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- Fleet, George W. J.; Rademacher, Thomas W.; and Dwek, Raymond A., 4,849,430, Cl. 514-315.000.
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- Hardiman, Christopher J., 4,826,923, Cl. 525-306.000.
- Hardiman, Christopher J., 4,839,325, Cl. 502-170.000.
- Hardiman, Christopher J.; and Bowers, Gary R., 4,861,668, Cl. 428-424.400.
- Highfill, Louis A., 4,803,058, Cl. 252-135.000.
- Hoffman, Richard L., 4,871,248, Cl. 356-36.000.
- Holtrop, James S.; and Bowen, David, Jr., 4,851,283, Cl. 428-284.000.
- Kalota, Dennis J.; McConaghy, John S., Jr.; Fisher, David O.; and Zielinski, Ronald E., 4,871,109, Cl. 228-180.100.
- Kennedy, Eugene D.; McAlister, Donald R.; and Tung, Albert E., 4,818,257, Cl. 55-97.000.
- Kinlen, Patrick J.; and Heider, John E., 4,818,365, Cl. 204-433.000.
- Kraus, Menahem A.; and Tran, Chinh N., 4,806,189, Cl. 156-155.000.
- Krivi, Gwen G., 4,861,868, Cl. 530-399.000.
- Lee, Len F.; and Miller, Maria L., 4,797,149, Cl. 71-94.000.
- Lee, Len F., 4,816,062, Cl. 71-88.000.
- Lee, Len F., 4,826,530, Cl. 71-94.000.
- Lee, Len F.; and Miller, Maria L., 4,835,279, Cl. 546-315.000.
- Lee, Len F.; Moedritzer, Kurt; and Rogers, Michael D., 4,855,442, Cl. 548-365.000.
- Lee, Len F.; and Dolson, Mark G., 4,885,026, Cl. 71-94.000.
- MacFarlane, Alistair; Dyroff, David R.; and Brill, Robert V., 4,824,997, Cl. 560-179.000.
- Martin, David A.; Ries, Edward L.; Vanderlinde, William; and Young, Marvin J., 4,839,407, Cl. 524-389.000.
- Masters, Thomas D.; and Pawlowski, Henry A., 4,794,788, Cl. 73-59.000.
- Mathews III, Marion J.; and Peoples, P. Robert, 4,841,087, Cl. 558-363.000.
- Miller, Maria L., 4,824,954, Cl. 546-250.000.
- Miller, William H.; Reitz, David B.; and Pulwer, Mitchell J., 4,804,499, Cl. 260-502.50F.
- Miller, William H.; and Balthazor, Terry M., 4,804,500, Cl. 260-502.50E.
- Monzyk, Bruce F.; and Henn, Arthur R., 4,882,132, Cl. 423-139.000.
- Mormile, Patrick J., 4,835,227, Cl. 525-509.000.
- Mormile, Patrick J., 4,839,427, Cl. 525-162.000.
- Mummey, Michael J., 4,855,459, Cl. 549-260.000.
- Patel, Raman; Wang, Yun L.; and Abdou-Sabet, Sabet, 4,808,665, Cl. 525-133.000.
- Paulik, Frank E.; and Schultz, Robert G., 4,810,821, Cl. 560-232.000.
- Pfohl, William F., 4,861,881, Cl. 544-196.000.
- Pisipati, Ramesh M.; and Campbell, Joseph O., 4,870,131, Cl. 525-74.000.
- Plischke, Lemoyne W.; and Danly, Donald E., 4,851,466, Cl. 524-413.000.
- Riley, Dennis P.; and Rivers, Willie J., Jr., 4,853,159, Cl. 562-17.000.
- Ruest, Dennis A., 4,883,911, Cl. 562-581.000.
- Schaumann, Jon P.; Olander, Jitka V.; Harakas, Nicholaos K.; and Feder, Joseph, 4,833,085, Cl. 435-240.270.
- Schaumann, Jon P.; Olander, Jitka V.; Hrakas, Nicholaos K.; and Feder, Joseph, 4,889,922, Cl. 530-413.000.
- Schwier, Chris F.; and Wu, Wan C., 4,874,829, Cl. 526-262.000.
- Sing, Yuen-Lung L.; Miller, Maria L.; and Lee, Len F., 4,826,532, Cl. 71-94.000.
- Singh, Rajendra K., 4,859,232, Cl. 71-100.000.
- Stahlheber, N. Earl; and Lyon, John E., 4,853,200, Cl. 423-309.000.
- Stolk, Richard D.; and Bekker, Vladimir O., 4,797,313, Cl. 428-156.000.
- Stutz, Frank; Yu, Jing-peir; and McKinney, Stanley E., 4,816,550, Cl. 528-335.000.
- Takano, Masaharu, 4,855,495, Cl. 562-581.000.
- Talley, Arthur, Jr.; and Wilkie, Arnold E., 4,882,222, Cl. 428-362.000.
- Udipi, Kishore, 4,882,382, Cl. 525-66.000.
- Vandersall, Howard L., 4,839,065, Cl. 252-603.000.
- Wilkie, Arnold E.; and Talley, Arthur, Jr., 4,839,211, Cl. 428-89.000.
- Wittwer, Arthur J., 4,857,320, Cl. 424-94.630.

Monsanto, Raphael A.: *See—*

- Barry, Daniel T.; and Monsanto, Raphael A., 4,805,636, Cl. 128-773.000.

Monsees, Claude E.: *See—*

- Roberts, John T.; and Monsees, Claude E., 4,832,537, Cl. 406-87.000.

Monsell, Craig C.: *See—*

- Snyder, Stephen W.; Monsell, Craig C.; and Puckett, Carol S. 4,875,575, Cl. 206-0.500.

Monser, George J.; and Roy, Albert A., to Raytheon Company. Radio frequency array antenna with energy resistive material. 4,803,495, 2-7-89, Cl. 343-777.000.

Monser, George J., to Raytheon Company. Dual-polarization, omnidirectional antenna system. 4,814,777, 3-21-89, Cl. 343-727.000.

Monserbio: *See—*

- Courregelongue, Jean; and Maffrand, Jean-Pierre, 4,880,573, Cl. 260-420.000.

Monsigny, Michel; and Roche, Annie-Claude, to Establishment Public dit Centre National de la Recherche Scientifique (CNRS). Muramylpeptide-glycoprotein immunostimulant derivatives, their preparation and their use in medication. 4,801,578, 1-31-89, Cl. 514-8.000.

Monslow, H. Vincent; and Dickey, Steven R. Television broadcast system for selective transmission of viewer-chosen programs at viewer-requested times. 4,890,320, 12-26-89, Cl. 380-10.000.

Monson, Donald B.: *See—*

- Clark, Michael R.; Kuiper, Gerald J.; Monson, Donald B.; and Tringali, Dominick, 4,797,516, Cl. 200-51.00R.
- Orosz, Miklos J.; Tringali, Dominick; Monson, Donald B.; and Kuiper, Gerald J., 4,839,477, Cl. 200-50.0AA.

Monson, Donald R.; and Leblanc, James A., to Donaldson Company, Inc. Filter cap for clean room ceiling grid system. 4,883,513, 11-28-89, Cl. 55-385.200.

Monson, Gary L. Synthetic intervertebral disc prosthesis. 4,863,477, 9-5-89, Cl. 623-17.000.

Monson, Mark B.; Blandino, Thomas P.; Bahr, Dennis E.; and Post, Kendall E., to Bahr Technologies, Inc. Receiver preamplifier with tuned circuit adapted for Loran reception. 4,875,019, 10-17-89, Cl. 330-302.000.

Mont-Bell Co., Ltd.: *See—*

- Tatsuno, Isamu, 4,888,828, Cl. 2-69.500.

Montag, Bernhard: *See—*

- Gumbrecht, Walter; Schelter, Wolfgang; Montag, Bernhard; and Hobel, Peter, 4,841,974, Cl. 128-635.000.
- Kimmel, Heinrich; Montag, Bernhard; and Gumbrecht, Walter. 4,863,694, Cl. 422-86.000.

Montag, Ruth A.; and McKenna, Stephen T., to Amoco Corporation. Catalyst and process for production of an alpha, beta-ethylenically unsaturated monocarboxylic acid. 4,801,571, 1-31-89, Cl. 502-236.000.

Montag, Ruth A., to Amoco Corporation. Catalyst for producing alpha, beta-ethylenically unsaturated aliphatic monocarboxylic acid and method of making said catalyst. 4,845,070, 7-4-89, Cl. 502-243.000.

Montagna, Angelo A.: *See—*

- Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,812,227, Cl. 208-215.000.
- Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,824,820, Cl. 502-219.000.

Montagni, Alviero. Timing device for reciprocating positive-displacement engines, such as endothermic reciprocating engines, with a rotary valve in the shape of a solid of revolution particularly a sphere. 4,834,038, 5-30-89, Cl. 123-190.0BD.

Montagnier, Luc; Chamaret, Solange; and Gruest, Jacqueline, to Institut Pasteur. Retrovirus associated with lymphadenopathies and adapted to continuous lines of lymphoblastoid B cells, capable of producing retrovirus continuously and process for their production. 4,798,797, 1-17-89, Cl. 435-235.000.

Montagnier, Luc; Guetard, Denise; Brun-Vezinet, Francoise; and Clavel, Francois, to Institut Pasteur. Retrovirus capable of causing AIDS, antigens obtained from this retrovirus and corresponding antibodies and their application for diagnostic purposes. 4,839,288, 6-13-89, Cl. 435-235.000.

Montagnino, James G., to Helen of Troy Corporation. Diffuser attachment for a hair dryer. 4,848,007, 7-18-89, Cl. 34-97.000.

Montagu, Jean I., to General Scanning, Inc. Tunable resonant mechanical system. 4,874,215, 10-17-89, Cl. 350-6.600.

Montague, Charles: *See—*

- Tsaprazis, Edward; Maris, Nicholas P.; and Montague, Charles, 4,878,019, Cl. 324-204.000.

Montague, John M.: *See—*

- Files, James H.; Harrel, Donald M.; Montague, John M.; Stansbury Sr., Thomas L.; and Sikes, Carlton T., 4,836,891, Cl. 159-28.100.

Montague, Peter G.; and Bainbridge, Peter, to National Starch and Chemical Corporation. Water treatment polymer. 4,836,933, 6-6-89, Cl. 210-701.000.

Montaigne, Michael D., to Pegasus International, Inc. Deployable rail structure for high-rise building evacuation system. 4,830,141, 5-16-89, Cl. 182-82.000.

Montaigne, Michael D.; and Lietaer, Bernard, to Pegasus International, Inc. High-rise fire fighting and rescue system. 4,865,155, 9-12-89, Cl. 182-14.000.

Montaje Y. Construcciones Del Hierro, S.A.: *See—*

- Chicharro, Mario M., 4,881,384, Cl. 68-27.000.

Montalbano, Paul J. Conversion of rotational output to linear force. 4,856,358, 8-15-89, Cl. 74-84.00R.

Montalescot, Jean-Bernard; Camus, Guy; and Lucas, Jean, to Etablissement Public: Centre National du Machinisme Agricole du Genie Rural, des Eaux et des Forets - (Cemagref). Automatic milking installation. 4,867,103, 9-19-89, Cl. 119-14.080.

Montali, Sergio; Boller, Giorgio; and Colli, Luigi, to Savio, S.p.A. Device and method for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,511, 8-8-89, Cl. 242-18.0DD.

Montali, Sergio; Boller, Giorgio; and Colli, Luigi, to Savio, S.p.A. Method and device for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,512, 8-8-89, Cl. 242-18.0DD.

Montali, Sergio; Ferro, Francesco; and Colli, Luigi, to Savio, S.p.A. Device and method for intermittently storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,858,837, 8-22-89, Cl. 242-18.00R.

Montali, Sergio: *See—*

- Boller, Giorgio; Montali, Sergio; and Colli, Luigi, 4,854,513, Cl. 242-18.00R.

Montalvo Corporation, The: *See—*

- Montalvo, William W., III; and Metcalf, Philip R., Jr., 4,860,865, Cl. 192-70.000.

Montalvo, William W., III; and Metcalf, Philip R., Jr., to Montalvo Corporation, The. Quick release, high torque, friction brakes and clutches. 4,860,865, 8-29-89, Cl. 192-70.000.

Montan-Hydraulik GmbH: *See—*

- Bartmann, Gunter; and Brackelmann, Gerd, 4,852,464, Cl. 92-53.000.

Montana Refining Company: *See—*

- Langford, Virgil, 4,875,997, Cl. 208-235.000.

Montana Sport GmbH: *See—*

- Gladek, Janez, 4,869,024, Cl. 51-92.00R.

Montanari, Paolo: *See—*

- Sala, Oneglio; and Montanari, Paolo, 4,836,711, Cl. 405-92.000.

Montani, Enrico: *See—*

- Pedretti, Ugo; Bonfanti, Cesarina; Montani, Enrico; Hakemi, Hassan A.; and Roggero, Arnaldo, 4,888,409, Cl. 528-129.000.

Montano, Giacomo, to Piaggio & C. S.p.A. Motor scooter having improved structure. 4,817,749, 4-4-89, Cl. 180-119.000.

Montano, Giacomo, to Piaggio & C. S.p.A. Magnet-flywheel ignition unit for internal combustion engines. 4,829,972, 5-16-89, Cl. 123-599.000.

Montanwerke Walter GmbH: *See—*

- Icks, Gerd, 4,844,643, Cl. 407-42.000.
- Vollmer, Rolf, 4,799,837, Cl. 409-232.000.

Montarone, Maryse: *See—*

- Meunier, Jean-Paul, deceased; Matzen, Guy; Blanc, Denise; and Montarone, Maryse, 4,867,779, Cl. 71-62.000.

Montaser, Akbar; Chan, Shi-Kit; and Van Hoven, Raymond L., to Research Corporation. Inductively coupled helium plasma torch. 4,833,294, 5-23-89, Cl. 219-121.520.

Montavon, John I.: *See—*

- Hengstenberger, Gary M.; and Montavon, John I., 4,854,418, Cl. 182-3.000.

Montavon, Marc: *See—*

- Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, 4,831,151, Cl. 514-398.000.

Monte, Salvatore J.: *See—*

- Sugerman, Gerald; and Monte, Salvatore J., 4,816,522, Cl. 525-340.000.

Monte, William T.: *See—*

- Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
- Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,886,883, Cl. 544-263.000.

Monte, Woodrow C. Dietary vaccine for inhibiting metabolism of methanol. 4,834,981, 5-30-89, Cl. 424-456.000.

Monteagudo, Agatona D.: *See—*

- Leseman, Steven R.; Monteagudo, Agatona D.; and Wu, Maan-Shii S., 4,817,816, Cl. [illegible]0-359.000.

Montedipe S.p.A.: *See—*

- Biglione, Gianfranco; Mattiussi, Andrea; and Vittadini, Giorgio, 4,814,374, Cl. 524-504.000.
- Biglione, Gianfranco; and Fasulo, Gian C., 4,849,472, Cl. 525-86.000.
- Biglione, Gianfranco; and Fasulo, Gian C., 4,866,124, Cl. 525-67.000.
- Biglione, Gianfranco; and Fasulo, Gian Claudio, 4,868,058, Cl. 428-412.000.
- Canova, Luciano; Giannini, Umberto; Albizzati, Enrico; Borghi, Italo; and Proto, Antonio, 4,889,896, Cl. 525-375.000.
- Cigna, Giuseppe; Fasulo, Gian C.; Biglione, Gianfranco; and Borghi, Italo, 4,849,473, Cl. 525-86.000.
- Comper, Lucia; and Ferrari, Francesco, 4,874,307, Cl. 425-311.000.
- Moroni, Renato; and Brocci, Marino, 4,803,230, Cl. 521-168.000.
- Paparatto, Giuseppe, 4,808,759, Cl. 570-202.000.
- Paparatto, Giuseppe, 4,822,929, Cl. 570-203.000.
- Paparatto, Giuseppe; and Gregorio, Guglielmo, 4,857,295, Cl. 423-502.000.

Montedison S.p.A.: *See—*

- Albizzati, Enrico, 4,804,798, Cl. 585-512.000.
- Albizzati, Enrico; Ceresa, Emiliano M.; and Zaninetta, Luciano, 4,808,397, Cl. 423-608.000.
- Albizzati, Enrico, 4,855,272, Cl. 502-119.000.
- Bertolotti, Franco, 4,800,792, Cl. 83-356.300.
- Bianchin, Eugenio; Longo, Giovanni; and Lunardon, Gian F., 4,841,095, Cl. 560-115.000.
- Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,795,838, Cl. 570-184.000.
- Bornengo, Giorgio; Malacrida, Alessandro; Campolmi, Stefano; and Beretta, Maurizio A., 4,816,608, Cl. 570-184.000.
- Caporiccio, Gerardo; Strepparola, Ezio; and Scarati, Mario A., 4,808,472, Cl. 428-336.000.
- Caporiccio, Gerardo; Strepparola, Ezio; and Scarati, Mario A., 4,889,939, Cl. 549-13.000.
- Ceresa, Emiliano M.; Gennaro, Antonio; and Cortesi, Paolo, 4,818,515, Cl. 423-625.000.
- Federici, Franco; Pin, Giorgio; Cozzi, Ennio; and Trovati, Aldo, 4,851,475, Cl. 525-104.000.
- Fiore, Leonardo; Motroni, Giuseppe; and Maritano, Mauro, 4,874,838, Cl. 528-408.000.
- Garbassi, Fabio; Occhiello, Ernesto; and Malatesta, Vincenzo, 4,826,755, Cl. 430-322.000.
- Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, 4,885,409, Cl. 568-834.000.
- Johns, Ken W. E.; Briggs, Stuart; and Flabbi, Luciano, 4,874,124, Cl. 228-180.100.
- Menconi, Augusto; Camaggi, Giovanni; Gozzo, Franco; Mirenna, Luigi; and Garavaglia, Carlo, 4,874,786, Cl. 514-528.000.
- Montino, Franco; and Spoto, Giuseppe, 4,803,064, Cl. 423-612.000.
- Palla, Ottorino; Camaggi, Giovanni; Gozzo, Franco; Menconi, Augusto; and Signorini, Ernesto, 4,810,281, Cl. 71-90.000.
- Re, Alberto; and De Giorgi, Marco, 4,863,986, Cl. 524-197.000.
- Ungarelli, Raffaele; and Sogli, Loris, 4,853,488, Cl. 570-184.000.
- Ungarelli, Raffaele; Beretta, Maurizio A.; and Sogli, Loris, 4,886,923, Cl. 570-210.000.
- Venturello, Carlo; and D'Aloisio, Rino, 4,866,178, Cl. 544-406.000.

Montefibre S.p.A.: *See—*

- Bastioli, Catia; Bellotti, Vittorio; and Del Giudice, Luciano, 4,886,847, Cl. 524-84.000.
- Tedesco, Raffaele; Bocus, Socrate; and Signoretti, Luigi, 4,820,585, Cl. 428-360.000.

Montefiore Hospital Association of Western Pennsylvania, The: *See—*

- McBride, John J., 4,803,433, Cl. 324-318.000.
- Narayanan, Krishna; and Liang, Marc D., 4,803,984, Cl. 128-334.00R.
- Narayanan, Krishna; Liang, Marc D.; and Walters, Frank R., 4,819,640, Cl. 128-334.00R.
- Stanko, Ronald T., 4,812,479, Cl. 514-557.000.
- Stanko, Ronald T., 4,874,790, Cl. 514-557.000.
- Yao, Shang J.; and Wolfson, Sidney K., Jr., 4,805,624, Cl. 128-635.000.
- Yao, Shang J.; and Wolfson, Sidney K., Jr., 4,846,950, Cl. 204-228.000.

Montefluos S.P.A.: *See—*

- Fontana, Alberto; Modena, Silvana; and Moggi, Giovanni, 4,827,002, Cl. 549-346.000.

Montegari, David M.; and Muller, Ronald M., to New York Telephone Company. Remote testing of a trunk leading to an automatic call distributor. 4,887,289, 12-12-89, Cl. 379-22.000.

Montegari, Frank A.: *See—*

- Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.;

Oberschmidt, James M.; and Shen, David T., 4,831,494, Cl. 361-306.000.

Monteil, Andre J.: *See—*

Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,820,702, Cl. 514-212.000.

Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,822,792, Cl. 514-212.000.

Monteiro, Luciano T. S., to Prodty Engenharia E Comercio Ltda. Parts transfer system having three orthogonal movement axes wherein the part lifting and lowering mechanism moving along the third axis is actuated by the motion of the grippers in closing and opening along the first axis. 4,875,931, 10-24-89, Cl. 72-405.000.

Monteith, John, to Russell Finex Limited of Russell House. Sieving apparatus. 4,816,144, 3-28-89, Cl. 209-364.000.

Monteith, John B. Vehicle sun shade. 4,825,889, 5-2-89, Cl. 135-88.000.

Montemayor, Brenda K.: *See—*

Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 277-188.00A.

Montemayor-Quiroga, Jose A.; Ruiz-Torres, Maximiano F.; and Gomez-Sanchez, Abel, to Vitrocrisa Cristaleria, S.A. Glass articles or similar materials transfer mechanism. 4,830,653, 5-16-89, Cl. 65-260.000.

Montenecourt, Bland S., to Lehigh University. Microorganism and process. 4,797,361, 1-10-89, Cl. 435-198.000.

Montenieri, Robert E., Sr., to Loctite Corporation. Cable junction sealant applicator. 4,867,210, 9-19-89, Cl. 141-98.000.

Monterey Mushrooms, Inc.: *See—*

Dunn-Coleman, Nigel S.; and Michaels, Thomas J., 4,848,026, Cl. 47-1.100.

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, to Nicotra Sistemi S.p.A. Transducer for measuring pressure in gas-filled cables. 4,872,007, 10-3-89, Cl. 340-870.010.

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, to Nicotra Sistemi S.p.A. Transducer for measuring one or more physical quantities or electric variables. 4,881,071, 11-14-89, Cl. 340-870.130.

Montes, Raul R.; and Kostelnicek, Richard J., to Exxon Production Research Company. Method and apparatus for gathering seismic data and selectively controlling isolated distributed recorders in an isolated distributed recording system. 4,807,200, 2-21-89, Cl. 367-76.000.

Montes, Raul R.: *See—*

Kostelnicek, Richard J.; and Montes, Raul R., 4,879,696, Cl. 367-76.000.

Montet, Maurice, to Valeo Vision. Mechanism for locking and unlocking a lamp in a lamp holder particularly for use in an automobile vehicle. 4,872,096, 10-3-89, Cl. 362-226.000.

Montez, Obed. Hand tool for sifting debris from sand and soil. 4,828,690, 5-9-89, Cl. 209-418.000.

Montfort, Ralph R., Jr.; and Moran, James J., to Nalco Chemical Company. Automatic well treatment method. 4,817,722, 4-4-89, Cl. 166-310.000.

Montgelas, Rudolph A.: *See—*

Lynch, Thomas; and Montgelas, Rudolph A., 4,844,580, Cl. 350-96.180.

Montgomery, Anne D.: *See—*

Sublette, Kerry L.; Woolsey, Maron E.; Manning, Francis S.; Montgomery, Anne D.; and McInerney, Michael J., 4,879,240, Cl. 435-252.100.

Montgomery, Calvin. Safety weight bar assembly. 4,858,917, 8-22-89, Cl. 272-123.000.

Montgomery, Darryl R.; and Raber, David C. Mobile asphalt crack sealant apparatus. 4,887,908, 12-19-89, Cl. 366-149.000.

Montgomery, David B.; and Williams, Joel L., to Becton, Dickinson and Company. Apparatus for plasma treatment of small diameter tubes. 4,846,101, 7-11-89, Cl. 118-723.000.

Montgomery, David B.: *See—*

Williams, Joel L.; Martin, David A.; and Montgomery, David B., 4,822,632, Cl. 427-34.000.

Montgomery Elevator Company: *See—*

Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,552, Cl. 187-1.00R.

Smith, Stephen W.; Londeen, Gilbert E.; and Lair, Christopher, 4,875,553, Cl. 187-1.00R.

Montgomery, Gary V., to Sunbeam Plastics Corporation. Dispensing closure. 4,804,098, 2-14-89, Cl. 215-238.000.

Montgomery, Gary V.: *See—*

Gach, Peter P.; and Montgomery, Gary V., 4,826,026, Cl. 215-206.000.

Montgomery, George J., IV, to McDermott International, Inc. Ethane recovery system. 4,851,020, 7-25-89, Cl. 62-24.000.

Montgomery, James R.; Figueroa, John A.; and White, George. Optical scanner including position sensors. 4,797,544, 1-10-89, Cl. 250-221.000.

Montgomery, John R.: *See—*

Smith-Vaniz, William R.; and Montgomery, John R., 4,795,973, Cl. 324-126.000.

Montgomery, Joseph D., to Minnesota Mining and Manufacturing Company. Monitor for visually indicating wear on record media. 4,797,753, 1-10-89, Cl. 360-27.000.

Montgomery, Larry D.: *See—*

Stringer, Hugh C.; and Montgomery, Larry D., 4,875,580, Cl. 206-319.000.

Montgomery, Lionel C.; and Criscione, John M., to Union Carbide Corporation. Process for producing high density carbon and graphite articles. 4,847,021, 7-11-89, Cl. 264-29.300.

Montgomery, Melvin G., to Atlantic Richfield Company. Cryosonde for well logging tool. 4,876,450, 10-24-89, Cl. 250-261.000.

Montgomery, Michael A., to Schlumberger Well Services. Biphase digital look-ahead demodulating method and apparatus. 4,868,569, 9-19-89, Cl. 341-70.000.

Montgomery, Richard L.; and Robertson, Donald L., to Minnesota Mining and Manufacturing Company. Low shrinkage tape joint composition containing attapulgite. 4,824,879, 4-25-89, Cl. 524-43.000.

Montgomery, Robert E., to OPI Products, Inc. Surface priming composition for proteinaceous substrates; method of making and using same. 4,863,993, 9-5-89, Cl. 524-854.000.

Montgomery, Robert E., to REM Systems, Inc. Odorless artificial fingernail composition and method of using the same. 4,871,534, 10-3-89, Cl. 424-61.000.

Montgomery, Robert H.: *See—*

Beach, Wayne H.; Montgomery, Robert H.; and Burns, Lawrence R., 4,850,649, Cl. 299-92.000.

Montgomery, Robert L.: *See—*

Finn, Jerome W.; Montgomery, Robert L.; and Schuchard, Frank B., 4,881,322, Cl. 29-878.000.

Montgomery, Robert W., to British Steel plc. Arc exposure monitor. 4,852,119, 7-25-89, Cl. 373-49.000.

Montgomery, Robin B.: *See—*

Yale, David P.; Montgomery, Robin B.; and Sprunt, Eve S., 4,864,864, Cl. 73-800.000.

Montgomery, Rodney L., to Carlson Systems Corporation. Framing table assembly. 4,801,130, 1-31-89, Cl. 269-37.000.

Montgomery, Terry G.; and Martin, William G., to Springs Industries, Inc. Corespun yarn friction spinning apparatus and method. 4,860,530, 8-29-89, Cl. 57-5.000.

Montgomery, Thimothy J.: *See—*

Whiteley, David C.; Coffey, James B.; Montgomery, Thimothy J.; and Dungan, Harvey H., 4,828,156, Cl. 226-1.000.

Montgomery, William C.: *See—*

Cassity, Thomas G.; Montgomery, William C.; Baker, Gerald S.; Wedel, Alfred W.; and Taylor, William M., 4,862,426, Cl. 367-81.000.

Montgon, Serge, to Societe Montgon Systemes. Variable reach crane jib with automatic balancing device. 4,867,321, 9-19-89, Cl. 212-196.000.

Montheil, Jean C., to Thomson-CSF. Radar protected against rain clutter and method for protecting a radar against rain clutter. 4,811,020, 3-7-89, Cl. 342-159.000.

Monti, Marco M.: *See—*

Daniele, Vincenzo; Monti, Marco M.; Taliercio, Michele; and Capocelli, Piero, 4,875,020, Cl. 330-307.000.

Monticelli, Dennis M., to National Semiconductor Corporation. Single-ended, feed-forward gain stage. 4,835,489, 5-30-89, Cl. 330-277.000.

Monticelli, Ivan; and Grasselli, Paola, to System Sate S.r.l. Automatic stretchers of sleeves of knitted garments and the like for ironing machines. 4,863,077, 9-5-89, Cl. 223-57.000.

Monticolombi, Carlo G.; and Norris, James M., to Carlo Geoffrey Richard Monticolombi. Maze puzzle. 4,805,910, 2-21-89, Cl. 273-153.00R.

Monticolombi, Carlo G. R. Board game. 4,832,347, 5-23-89, Cl. 273-248.000.

Montie, Thomas C.; Dorner, Friedrich; McDonel, James L.; and Mitterer, Artur, to Immuno Aktiengesellschaft fur chemisch-medizinische Produkte. Polydisperse native pseudomonas flagellar (H) antigens (FAg) and methods of producing them. 4,831,121, 5-16-89, Cl. 530-350.000.

Montijo, Alicia K. Scrubbing pail device. 4,888,847, 12-26-89, Cl. 15-263.000.

Montino, Franco; and Spoto, Giuseppe, to Montedison S.p.A. Process for preparing titanium dioxide in the form of spherical particles by hydrolysis of Ti(IV). 4,803,064, 2-7-89, Cl. 423-612.000.

Montoro, Fernando; Calatayud, Jose; and Luna, Manuel, to Especialidades Latinas Medicamentos Universales, S.A. (Elmu, S.A.). Application of α-[[(2-hydroxy-1, 1-dimethyl-ethyl) amine] methyl] benzene methanol hydrochloride (EL-508) as a drug with antiinflammatory action. 4,812,482, 3-14-89, Cl. 514-649.000.

Montoya, Esequiel E. Foldable paint splatter board having a collapsible paint vessel holder. 4,846,100, 7-11-89, Cl. 118-504.000.

Montoya, Wayne; and Reamey, Robert H., to Raychem Corporation. Stabilization of poly(arylene ether ketones). 4,874,839, 10-17-89, Cl. 528-480.000.

Montreal Milling Cutter Co., Inc.: *See—*

Foldesi, Istvan; Cudnoch, Ludwik; and Belanger, Marcel P., 4,816,110, Cl. 156-499.000.

Montres Longines Francillon S.A.: *See—*

Strasser, Joseph, 4,815,054, Cl. 368-319.000.

Montres Rado S.A.: *See—*

Jaques, Bernard; and Chatelain, Francis, 4,821,532, Cl. 63-3.000.

Loth, Eric, 4,849,299, Cl. 428-542.200.

Scholpp, Werner, 4,840,044, Cl. 63-4.000.

Montres Rolex S.A.: *See—*

Besson, Rene , 4,837,755, Cl. 368-35.000

Besson, Rene , 4,866,684, Cl. 368-108.000.

Montress, Gary K.: *See—*

Laton, Richard W.; Chase, Charles E., Jr.; and Montress, Gary K., 4,871,984, Cl. 331-107.00A.

Montreuil, Kent B.; Palmejar, Gary A.; and Pfister, James H., Jr. Floating container cap. 4,815,783, 3-28-89, Cl. 215-228.000.

Montrose, Robert E.: *See—*

Soltis, Joseph R.; and Montrose, Robert E., 4,805,769, Cl. 206-309.000.

Montrym, Anthony. Expansion joint brace and aligner. 4,875,801, 10-24-89, Cl. 404-48.000.

Montvale Process Company, Inc.: *See—*

Barber, James J., 4,834,858, Cl. 204-225.000.

Monty, Robert W.: *See—*

Silverstein, Louis D.; and Monty, Robert W., 4,800,375, Cl. 340-703.000.

Monvoisin, Jacques; and Trubett, Valdo, to Thomson-CSF. Microwave antenna of light weight and small bulk. 4,862,188, 8-29-89, Cl. 343-840.000.

Monvoisin, Jacques: *See—*

Georgel, Jean; Monvoisin, Jacques; and Trubert, Valdo, 4,808,254, Cl. 156-245.000.

Mony, Georges E.: *See—*

Heynen, Jan; Kayser, Larry S.; and Mony, Georges E., 4,884,285, Cl. 375-25.000.

Monyihan, Cornelius T.: *See—*

Vacha, Lubos J. B.; Monyihan, Cornelius T.; and Schultz, Peter C., 4,883,339, Cl. 350-96.340.

Monza, Enrico: *See—*

Strepparola, Ezio; Terenghi, Tiziano; Monza, Enrico; and Felippone, Fabio, 4,818,619, Cl. 428-421.000.

Monzon, Medardo; Lock, Michele R.; and Galloway, James G., to Dow Chemical Company, The. Structured latex particles having reinforcing and opacity characteristics. 4,806,207, 2-21-89, Cl. 162-168.100.

Monzyk, Bruce F.; and Henn, Arthur R., to Monsanto Company. Solvent extraction of cobalt using hydroxamic acids. 4,882,132, 11-21-89, Cl. 423-139.000.

Monzyk, Bruce F.; and Woodard, Lloyd A. Device for measuring subsurface temperatures of liquid bodies, useful for determining optimum fishing locations. 4,883,365, 11-28-89, Cl. 374-136.000.

Mooberry, Jared B.; and Singer, Stephen P., to Eastman Kodak Company. Photographic element and process comprising a dye releasing group. 4,840,884, 6-20-89, Cl. 430-557.000.

Mooch Domsjo Aktiebolag: *See—*

Samuelson, Hans O., 4,853,082, Cl. 162-38.000.

Moock, Andrew W.: *See—*

Hehn, Bruce A.; and Moock, Andrew W., 4,871,065, Cl. 206-387.000.

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Brotzmann, Karl; Moodie, Jonathan P.; and Turner, Richard E., deceased, 4,861,368, Cl. 75-25.000.

Fassbinder, Hans-Georg; Moodie, Jonathan P.; and Turner, Trenna R., 4,849,015, Cl. 75-26.000.

Moody, Alister J.: *See—*

Norris, Kjeld; Thim, Lars; Norris, Fanny; Hansen, Mogens T.; and Moody, Alister J., 4,826,763, Cl. 435-68.000.

Moody, David M.: *See—*

Hensley, Donald E.; Rankin, E. Edward; Tomek, Martin L.; and Moody, David M., 4,799,546, Cl. 166-250.000.

Moody, Herbert, III: *See—*

Honeycutt, LeRoy, III; Key, James C.; and Moody, Herbert, III, 4,828,012, Cl. 164-479.000.

Moody, Ian M.: *See—*

Johnson, Ian M.; Moody, Ian M.; and Flesher, Peter, 4,798,861, Cl. 524-458.000.

Moody, James C. Low rise water ride. 4,805,896, 2-21-89, Cl. 272-56.50R.

Moody, Leonardo, to Luc-Co., Inc. Jewelry mounting construction. 4,840,045, 6-20-89, Cl. 63-12.000.

Moody, Robert P. Golf tee dispenser. 4,858,784, 8-22-89, Cl. 221-155.000.

Moody, Roger E.: *See—*

Farid, Samir Y.; and Moody, Roger E., 4,859,572, Cl. 430-281.000.

Moody, Ronald W. Hot water heater failure protection device with solenoid. 4,805,662, 2-21-89, Cl. 137-312.000.

Mooers, Douglas F.: *See—*

Goudy, Paul R., Jr.; Mooers, Douglas F.; Mundt, Bruce C.; and Jenkins, Thomas E., 4,869,852, Cl. 261-122.000.

Mooers Products, Inc.: *See—*

Goudy, Paul R., Jr.; Mooers, Douglas F.; Mundt, Bruce C.; and Jenkins, Thomas E., 4,869,852, Cl. 261-122.000.

Moog Automotive, Inc.: *See—*

Fister, Louis P.; Fitch, Lawrence H.; and Pearson, Herby O., 4,871,276, Cl. 403-162.000.

Moog Inc.: *See—*

Cummins, Richard D., 4,825,894, Cl. 137-82.000.

Garnjost, Kenneth D., 4,840,111, Cl. 91-436.000.

Livecchi, Ronald J.; and Peters, Donald J., 4,827,981, Cl. 137-625.690.

Morash, Douglas H., 4,825,819, Cl. 123-46.00R.

Toews, Hans G., 4,796,664, Cl. 137-595.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Sands, Keith P., to International Flavors & Fragrances Inc. Flavoring with schif base reaction products of alkyl anthranilates. 4,806,363, 2-21-89, Cl. 426-3.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., to International Flavors & Fragrances Inc. Schiff base reaction products of aldehydes and alkyl anthranilates and organoleptic uses thereof. 4,824,828, 4-25-89, Cl. 512-21.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Schreck, Lisa; and Sands, Keith P., to International Flavors & Fragrances Inc. Schiff base reaction products of mixtures of aldehydes including helional and alkyl anthranilates; derivatives thereof; and organoleptic uses thereof. 4,839,083, 6-13-89, Cl. 252-174.110.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., to International Flavors & Fragrances Inc. Use of Schiff base reaction product of methyl anthranilate and canthoxal in augmenting or enhancing aroma or taste of foodstuff or chewing gum. 4,840,801, 6-20-89, Cl. 426-3.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Fenn, Ronald S., to International Flavors & Fragrances Inc. Schiff base reaction product of ethyl vanillin and methyl anthranilate and organoleptic uses thereof. 4,853,369, 8-1-89, Cl. 512-25.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; Sands, Keith P.; and Hagedorn, Myrna L., to International Flavors & Fragrances Inc. Flavoring with schiff base reaction products of aldehydes and alkyl anthranilates. 4,865,853, 9-12-89, Cl. 426-3.000.

Mookherjee, Braja D.; Trenkle, Robert W.; Calderone, Nicholas; and Sands, Keith P., to International Flavors & Fragrances Inc. Schiff base reaction products of alkyl anthranilates and organoleptic uses thereof and deodorancy uses thereof. 4,879,271, 11-7-89, Cl. 512-20.000.

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Mookherjee, Braja D.: *See—*

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,446, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,448, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,808,403, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,816,248, Cl. 424-84.000.

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Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,880,625, Cl. 424-84.000.

Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald A.; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,886,662, Cl. 424-84.000.

Zampino, Michael J.; Wilson, Richard A.; Mookherjee, Braja D.; and Niel, Jean C., 4,877,769, Cl. 512-11.000.

Moomaw, David E., to Quaker Oats Company, The. Toy top launcher. 4,867,728, 9-19-89, Cl. 446-259.000.

Moon, Brian E.: *See—*

Drummond, Charles S., III; Milan, Thomas B.; and Moon, Brian E., 4,821,525, Cl. 62-56.000.

Moon, Burl M.: *See—*

Bertin, Robert; Miller, Michael B.; Moon, Burl M.; and Post, Robert C., 4,861,533, Cl. 264-81.000.

Post, Robert C.; Bordelon, Kevin N.; and Moon, Burl M., 4,823,736, Cl. 118-730.000.

Moon, David A.: *See—*

Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.

Moon, Francis C.; and Raj, Rishi, to Cornell Research Foundation Inc. Superconducting rotating assembly. 4,886,778, 12-12-89, Cl. 505-1.000.

Moon, Francis C.: *See—*

Lee, Chih-Kung; and Moon, Francis C., 4,868,447, Cl. 310-328.000.

Moon, Howard R.: *See—*

Brezette, Michael W.; Schaffer, Robert A.; Burns, Fredrick B.; and Moon, Howard R., 4,829,623, Cl. 15-246.000.

Moon, James B.; and Clark, Don L., to SpaceLabs, Inc. Table driven multichannel data acquisition and display for signal monitoring. 4,804,950, 2-14-89, Cl. 340-715.000.

Moon, John H., Sr. Self-contained motor vehicle maintenance interval monitor. 4,884,054, 11-28-89, Cl. 340-309.150.

Moon, Juhn W.; Hwang, Bun; and Chang, Jin K., to Dongsuh Foods Corp. Process of preparing instant powdered food. 4,861,605, 8-29-89, Cl. 426-96.000.

Moon, Kevin L.: *See—*

Huseby, William R.; Moon, Kevin L.; Rasmussen, Steve O.; and Jackson, Larry A., 4,794,859, Cl. 101-485.000.

Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.

- Moon, Kwang S.; and Sirois, Louis L., to Canadian Patents and Development Limited/Societe Canadienne Des Brevets Et D'Exploitation Limitee. Method and apparatus for analyzing different sulphur forms. 4,845,040, 7-4-89, Cl. 436-120.000.
- Moon, Marcus P.: *See—*
  - Douglass, David L.; and Moon, Marcus P., 4,854,962, Cl. 71-90.000.
  - Dumas, Donald J.; and Moon, Marcus P., 4,878,937, Cl. 71-90.000.
- Moon, Philip A. K.; and Atkinson, Simon, to Plessey Overseas Limited. Low voltage bias circuit. 4,833,344, 5-23-89, Cl. 307-296.600.
- Moon, Sang F., to Measurex Corporation. Dead time compensated control loop. 4,855,658, 8-8-89, Cl. 318-632.000.
- Moon, Seaton; and Bergene, Mark A., to Deere & Company. Brake system for four-wheel drive vehicles. 4,878,559, 11-7-89, Cl. 180-244.000.
- Moon, Tea-Weon: *See—*
  - Jung, Se-Young; and Moon, Tea-Weon, 4,862,290, Cl. 358-335.000.
- Moon, Vernon G.: *See—*
  - Hukvari, Istvan S.; Albert, Henry J.; Moon, Vernon G.; and Steffenson, Michael R., 4,882,128, Cl. 422-119.000.
- Moon, William G.: *See—*
  - Harrison, Joel N.; Moon, William G.; and Graham, Randolph H., 4,860,194, Cl. 364-200.000.
  - Silver, Richard S.; Bunting, Pamela M.; Moon, William G.; and Acheson, Willard P., 4,799,545, Cl. 166-246.000.
- Mooney, Brian J. Portable compressed air delivery unit for tires with built-in antifreeze capability. 4,798,233, 1-17-89, Cl. 141-38.000.
- Mooney, Charles W.; and Bonner, Brian J. Liquid applicator especially suitable for application of suntan lotion. 4,869,612, 9-26-89, Cl. 401-130.000.
- Mooney, Charles W.: *See—*
  - Tribbey, David A.; Mooney, Charles W.; and Rollins, Thomas J., 4,864,276, Cl. 340-407.000.
  - Urbish, Glenn F.; Mullen, William B., III; and Mooney, Charles W., 4,877,569, Cl. 264-221.000.
- Mooney Chemicals, Inc.: *See—*
  - Cells, Paul L., 4,824,611, Cl. 260-414.000.
  - Hein, Richard W.; and Alkaitis, Anthony, deceased, 4,808,407, Cl. 424-141.000.
- Mooney, Frank X.: *See—*
  - Baugh, John L.; Mooney, Frank X.; and Vandevier, Joseph E., 4,805,698, Cl. 166-272.000.
- Mooney, Joseph R., to Pan Am Environmental Systems, Inc. Fluid line leak detector. 4,817,415, 4-4-89, Cl. 73-40.50R.
- Mooney, Lillian A. Cosmetic template. 4,886,079, 12-12-89, Cl. 132-319.000.
- Moopen, Alexander: *See—*
  - Thakoor, Anilkumar P.; Lambe, John; and Moopen, Alexander, 4,876,668, Cl. 365-163.000.
- Moopenn, Alexander W.; Thakoor, Anilkumar P.; and Lambe, John J., to United States of America, Administrator, National Aeronautics and Space Administration. Hybrid analog-digital associative neural network. 4,807,168, 2-21-89, Cl. 364-602.000.
- Moopenn, Alexander W.; Thakoor, Anilkumar P.; Daud, Taher; and Lambe, John J., to California Institute of Technology, The. High density associative memory. 4,839,859, 6-13-89, Cl. 365-100.000.
- Moor, Marc L., to Mead Corporation, The. Perforated interior binder pocket. 4,848,798, 7-18-89, Cl. 281-31.000.
- Moor, Marc L., to Mead Corporation, The. Easy grip binder. 4,856,817, 8-15-89, Cl. 281-29.000.
- Mooradian, Aram, to Massachusetts Institute of Technology. Solid state microlaser. 4,860,304, 8-22-89, Cl. 372-92.000.
- Moore, Alan F.; and Poniatowski, Jerzy, to Dunlop Limited a British Company. Resilient torsion bearing. 4,826,145, 5-2-89, Cl. 267-293.000.
- Moore, Alan F., to Dunlop Limited a British Company. Resilient bush. 4,838,736, 6-13-89, Cl. 405-224.000.
- Moore, Alan F., to Dunlop Limited a British Company. Flexible joint means. 4,846,509, 7-11-89, Cl. 285-225.000.
- Moore, Alan F., to Dunlop Limited a British Company. Vibration attenuation. 4,875,664, 10-24-89, Cl. 267-140.100.
- Moore, Alan H.: *See—*
  - Scott, Michael D.; and Moore, Alan H., 4,797,374, Cl. 437-129.000.
- Moore, Andrew L., to Rockwell International Corporation. Hydraulic inching drive system. 4,836,112, 6-6-89, Cl. 101-486.000.
- Moore, Annette A.: *See—*
  - Lampe, Warren R.; Moore, Annette A.; and Hartley, Kathleen R., 4,861,670, Cl. 428-447.000.
- Moore, Arnold P.; and Linn, Nobel, Jr. Funnel and tool with cutting attachment for removing plug from vehicle oil pan. 4,800,933, 1-31-89, Cl. 141-98.000.
- Moore, Bill V.; and Jackson, John A., to Cooper Industries, Inc. Apparatus and method for inspecting and testing industrial power saws or the like. 4,809,200, 2-28-89, Cl. 364-551.000.
- Moore, Brian H., to Tsiger Systems Corporation. Microwave reflector assembly. 4,825,223, 4-25-89, Cl. 343-840.000.
- Moore, Brian J.: *See—*
  - Braendel, Gregory G.; Goodwin, David M.; and Moore, Brian J., 4,881,353, Cl. 52-239.000.
- Moore, Brian K.; and Morris, Donald R., to Camco, Incorporated. Method and apparatus for stimulating hydraulically pumped wells. 4,865,131, 9-12-89, Cl. 166-384.000.
- Moore Business Forms, Inc.: *See—*
  - Ashby, Robert E.; and Greig, Walter G., 4,876,131, Cl. 428-42.000.
  - Badger, Ernest E.; Sornberger, G. Russell; and Anderson, Michael W., 4,878,613, Cl. 229-75.000.
  - Braud, Harry A., 4,860,946, Cl. 229-69.000.
  - Brown, Peter E.; Perry, Robert A.; and Kubicki, Raymond S., 4,850,947, Cl. 493-365.000.
  - Brown, Peter E., 4,883,220, Cl. 229-69.000.
  - Dean, Walter C., II, 4,823,152, Cl. 346-160.100.
  - Dean, Walter C., II, 4,823,153, Cl. 346-160.100.
  - Dean, Walter C., II; and Kegelman, Thomas D., 4,827,295, Cl. 346-160.100.
  - Dean, Walter C., II; Coburn, Richard J.; and Kegelman, Thom D., 4,831,393, Cl. 346-160.100.
  - Dossche, Bernard, 4,824,142, Cl. 282-11.50A.
  - Greig, Walter G., 4,798,401, Cl. 282-9.00R.
  - Jenkins, Richard A., 4,799,618, Cl. 229-92.300.
  - Jenkins, Richard A., 4,830,269, Cl. 229-73.000.
  - Kegelman, Thomas D.; and Raymond, Michael W., 4,839,673, Cl. 346-160.100.
  - Lombardo, Leo, 4,809,906, Cl. 229-73.000.
  - Lombardo, Leo, 4,840,306, Cl. 229-73.000.
  - McIntyre, Timothy J.; and Greig, Walter G., 4,882,211, Cl. 428-40.000.
  - Pennock, Thomas G., 4,813,593, Cl. 229-69.000.
  - Rizza, Robert S.; Fagen, Ben W., Jr.; Raymond, Michael W.; Feher, Peter; Milliard, Norman L.; and Kegelman, Thomas B., 4,862,198, Cl. 346-153.100.
  - Schultz, Edward R.; Loehlein, Gerald J.; Travers, Dennis P.; McGregor, Calvin J.; and Johnstone, Robert H., 4,795,193, Cl. 281-15.00R.
  - Schultz, Elmer J.; and Wagner, David G., 4,818,332, Cl. 156-499.000.
  - Steidel, Leonard R., 4,805,111, Cl. 364-469.000.
  - Steidel, Leonard R., 4,839,814, Cl. 364-469.000.
- Moore, Clifford G.; Silverman, Herbert P.; and Bredow, James R. Plated sensor for monitoring corrosion or electroplating. 4,839,58 6-13-89, Cl. 324-65.00R.
- Moore, Clinton L.: *See—*
  - Townsend, Ted H.; Moore, Clinton L.; and Machnicki, John T., 4,798,175, Cl. 119-155.000.
- Moore, Dale C. Tow bar and method of use thereof. 4,799,711, 1-24-8 Cl. 280-444.000.
- Moore, Dan T., III; Collins, Edward A.; and Wheeler, Maurice E., to Soundwich Incorporated. Sound dampened automotive enclosure such as an oil pan. 4,851,271, 7-25-89, Cl. 428-34.500.
- Moore, Danny R.: *See—*
  - Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., 4,822,453, Cl. 162-157.600.
  - Dean, Walter L.; Moore, Danny R.; Owens, James W.; Schoggen, Howard L.; Bourbon, Robert M.; and Cook, Jeffrey T., 4,888,093, Cl. 162-157.600.
  - Herron, Carlisle M.; Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., 4,889,595, Cl. 162-157.600.
- Moore, David E.: *See—*
  - Crane, Newell D.; and Moore, David E., 4,843,770, Cl. 51-439.000.
- Moore, David G.; and Foster, Donald D., to Calmar Corporation. Product dispenser having actuator locking collar and shroud. 4,838,460, 6-13-89, Cl. 222-153.000.
- Moore, David J., to Allied-Signal Inc. Method for manufacturing electrodes for a spark plug. 4,810,220, 3-7-89, Cl. 445-7.000.
- Moore, David J., to Allied-Signal Inc. Method for manufacturing electrodes for a spark plug. 4,840,594, 6-20-89, Cl. 445-7.000.
- Moore, David N., to Phoenix Closures, Inc. Closure liner with pull tab 4,863,061, 9-5-89, Cl. 220-258.000.
- Moore, David R.; and Aten, Curry L. Method and apparatus for treating waste products to recover the components thereof. 4,813,614 3-21-89, Cl. 241-23.000.
- Moore, David W., to Super Seal Mfg. Ltd. Dock seal. 4,821,466 4-18-89, Cl. 52-2.000.
- Moore, Debra J.: *See—*
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- Moore, Dennis G. Lamp with built-in on-off switch. 4,884,17 11-28-89, Cl. 362-295.000.
- Moore, Donald L.; Spilman, Raymond; and Pendleton, Thomas, to Cosco, Inc. Modular dressing table and demountable modules therefor. 4,844,566, 7-4-89, Cl. 312-108.000.
- Moore, Donald M. Automatic jumper cables. 4,840,583, 6-20-89, Cl. 439-504.000.
- Moore, Douglas; and Marcus, Mark E., to Gould Inc. Method of making a single-mode evanescent-wave coupler having reduced wavelength dependence. 4,798,438, 1-17-89, Cl. 350-96.150.
- Moore, Duncan T.: *See—*
  - Caldwell, J. Brian; and Moore, Duncan T., 4,797,376, Cl. 501-12.000.
- Moore, Dwain F.: *See—*
  - Brown, Bernard T.; and Moore, Dwain F., 4,828,016, Cl. 165-12.000.
- Moore, E. Rex: *See—*
  - Evans, Joseph M.; and Moore, E. Rex, 4,841,955, Cl. 128-52.000.
- Moore, Edgar F., III. Embroidery frame press plunger head. 4,837,9 6-13-89, Cl. 29-238.000.
- Moore, Edgar F., III. Device for positioning an embroidery ho 4,869,183, 9-26-89, Cl. 112-103.000.
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  - Stolarczyk, Larry G.; Smoker, Kurt A.; Boese, Gerald J.; Mon William E.; Hasenack, Marvin L., Jr.; Zappanti, James L.; Sm Seth A.; and Moore, Edward D., 4,879,755, Cl. 455-3.000.

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  - Mathews, Roger A.; Moore, Edward R.; and Cannell, David W., 4,816,246, Cl. 424-72.000.
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  - Drezdzon, Mark A.; Moore, Eric J.; and Kaminsky, Mark P., 4,843,168, Cl. 558-357.000.
- Moore, Eugene A.; and Lutz, Elmer B., to Honeywell Inc. Overriding clutch. 4,887,703, 12-19-89, Cl. 192-45.000.
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- Moore, Eugene R., to Dow Chemical Company, The. Method for producing de-watered grafted rubber concentrate. 4,857,631, 8-15-89, Cl. 528-481.000.
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- Moore, Franklin A. Sun screen for attachment to a vehicle windshield. 4,801,170, 1-31-89, Cl. 296-97.500.
- Moore, Fred P., Jr., to Allied Products Corporation. Tillage implement having independent depth control mechanism. 4,865,132, 9-12-89, Cl. 172-196.000.
- Moore, Gary M., to Applied Materials, Inc. Wafer handling tool and method of use. 4,823,654, 4-25-89, Cl. 81-488.000.
- Moore, George S., to Harris Corp. Acousto-optic two-dimensional coherent optical modulator. 4,802,149, 1-31-89, Cl. 367-100.000.
- Moore, Glenn A.: *See—*
  - Winkelbauer, Howard M.; and Moore, Glenn A., 4,810,415, Cl. 252-183.130.
- Moore, Harry, to Lever Brothers Company. Plastic emulsion food product with a hardstock fat. 4,865,866, 9-12-89, Cl. 426-602.000.
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- Moore, James D.: *See—*
  - Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.
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- Moore, James E.: *See—*
  - Margolin, Mark; Grois, Igor; and Moore, James E., 4,842,363, Cl. 350-96.210.
- Moore, James G. Collapsible electric guitar. 4,873,908, 10-17-89, Cl. 84-291.000.
- Moore, Jay T.: *See—*
  - Machado, Octavio J.; Moore, Jay T.; and Cooney, Barry F., 4,857,263, Cl. 376-272.000.
- Moore, Jeffrey B.: *See—*
  - Hassler, Jeffery P.; Baria, Paul C.; Majek, Alfred; and Moore, Jeffrey B., 4,859,834, Cl. 219-497.000.
- Moore, Jesse C., to J. C. Moore Research, Inc. Fuel and air induction structure and mechanism for internal combustion engines. 4,884,534, 12-5-89, Cl. 123-52.0MV.
- Moore, Joe T. Pier cushioning system. 4,884,919, 12-5-89, Cl. 405-212.000.
- Moore, John B.: *See—*
  - Chakravarty, Abhijit J. M.; Gangsaas, Dagfinn; and Moore, John B., 4,879,643, Cl. 364-148.000.
- Moore, John R. Mailbox signaling arrangement. 4,860,949, 8-29-89, Cl. 232-35.000.
- Moore, John S.: *See—*
  - Anderson, Jeffrey J.; and Moore, John S., 4,875,619, Cl. 228-190.000.
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- Moore, John V. Enclosed structure and method of construction. 4,862,661, 9-5-89, Cl. 52-247.000.
- Moore, John W., to Swan Corporation, The. Bathtub and alcove construction. 4,825,480, 5-2-89, Cl. 4-595.000.
- Moore, John W. Cylinder boring apparatus and method. 4,871,285, 10-3-89, Cl. 408-80.000.
- Moore, Jonathan D.: *See—*
  - Sheppard, John H.; and Moore, Jonathan D., 4,799,676, Cl. 272-130.000.
- Moore, Jonie M. T. Exercising device for use with a wheelchair. 4,824,132, 4-25-89, Cl. 280-304.100.
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  - Grome, Donald C.; Moore, Joseph F.; Myers, Terry L.; Ryan, Thomas J.; and Wilkinson, Kenneth E., 4,825,759, Cl. 99-307.000
- Moore, Kenneth D. Skill saw rip guide. 4,852,257, 8-1-89, Cl. 30-373.000.
- Moore, Kevin D.: *See—*
  - Altman, Leonard F.; Moore, Kevin D.; and Shurboff, John D., 4,827,326, Cl. 357-67.000.
- Moore, L. Bruce, to Machine Research Company, Inc. Flexible machining system. 4,794,686, 1-3-89, Cl. 29-568.000.
- Moore, L. Bruce, to Machine Research Company, Inc. Work positioner. 4,843,904, 7-4-89, Cl. 74-396.000.
- Moore, Larry D.; Leonard, Vurnen J.; and Perry, David M., to Minnesota Mining and Manufacturing Company. Recording disk centering hub. 4,843,512, 6-27-89, Cl. 360-133.000.
- Moore, Larry W.: *See—*
  - Sederoff, Ronald R.; Stomp, Anne-Marie; Moore, Larry W.; and Chilton, Scott W., 4,886,937, Cl. 800-1.000.
- Moore, Loyd C.: *See—*
  - Fowler, James F.; Barker, Nick; Kaneko, Steven; and Moore, Loyd C., 4,860,897, Cl. 206-444.000.
- Moore, Lyman T.: *See—*
  - Karagoz, Berch Y.; Moore, Lyman T.; Travers, Mark D.; and Allen, Donald P., 4,802,188, Cl. 373-93.000.
- Moore, Mark R. Dolly for line trimming apparatus. 4,796,415, 1-10-89, Cl. 56-16.900.
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  - Gadsby, Peter D.; Moore, Martin R.; Olson, Denis E.; and Scott, Barry M., 4,852,571, Cl. 128-640.000.
- Moore, Martin W.: *See—*
  - France, Paul W.; Carter, Steven F.; and Moore, Martin W., 4,856,868, Cl. 350-96.230.
- Moore, Mary L. Bed cover support structure. 4,841,589, 6-27-89, Cl. 5-504.000.
- Moore-McKee, Amy L.: *See—*
  - Isaacson, Ronald L.; and Moore-McKee, Amy L., 4,845,707, Cl. 370-69.100.
- Moore, Michael L.: *See—*
  - Marshall, Garland R.; and Moore, Michael L., 4,876,243, Cl. 514-11.000.
- Moore, Michael W.; and Gorsuch, Ian, to Interface Developments Limited. Abrasive article. 4,863,573, 9-5-89, Cl. 204-16.000.
- Moore, Norman B.; Parris, Joe P.; and Fisher, Edmund A., to Cameron Iron Works USA, Inc. Composite material tubular member joint. 4,865,356, 9-12-89, Cl. 285-55.000.
- Moore, Norman L.: *See—*
  - Larson, Donald J.; and Moore, Norman L., 4,804,211, Cl. 285-225.000.
- Moore, Patrick D.: *See—*
  - Baumgartner, Alan S.; Moore, Patrick D.; and Van Dahm, Richard A., 4,812,141, Cl. 8-506.000.
- Moore, Paul E.; Henderson, Jeffrey S.; Soisson, Lawrence R.; and Toth, Andrew J., to Arcair Company. Vacuum carbon arc metal removal process and apparatus. 4,797,528, 1-10-89, Cl. 219-70.000.
- Moore, Paul E., to Arcair Company. Adaptor for converting oxy-fuel cutting torches to exothermic cutting. 4,812,610, 3-14-89, Cl. 219-70.000.
- Moore, Paul M. Fisherman's combination chest. 4,841,661, 6-27-89, Cl. 43-54.100.
- Moore, Peter C.: *See—*
  - Miller, John H.; and Moore, Peter C., 4,811,144, Cl. 360-106.000.
- Moore, Prentice G.; and Brooks, Stanley J., to Pioneer Manufacturing, Inc. Smoke and fire detector. 4,845,474, 7-4-89, Cl. 340-629.000.
- Moore Push-Pin Company: *See—*
  - Hoskinson, Marlin J.; Lorincz, Eugene M.; and Samson, George W., 4,871,140, Cl. 248-496.000.
- Moore, Randall L. Manipulation assistance device and method. 4,803,860, 2-14-89, Cl. 70-446.000.
- Moore, Richard A., to All Line, Inc. Electrical fence for livestock. 4,819,914, 4-11-89, Cl. 256-10.000.
- Moore, Richard C.: *See—*
  - Covey, Rupert A.; and Moore, Richard C., 4,839,349, Cl. 514-92.000.
  - Mishra, Anupama; and Moore, Richard C., 4,845,236, Cl. 549-75.000.
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  - Strunk, Richard J.; and Moore, Richard C., 4,804,653, Cl. 514-63.000.
- Moore, Richard E.; Furusawa, Eiichi; Norton, Ted R.; Patterson, Gregory M. L.; and Mynderse, Jon S., to Eli Lilly and Company; and University of Hawaii. Scytophycins. 4,863,955, 9-5-89, Cl. 514-450.000.
- Moore, Richard E.: *See—*
  - Bonjouklian, Rosanne; Moore, Richard E.; Mynderse, Jon S.; Patterson, Gregory M. L.; and Smitka, Tim A., 4,870,185, Cl. 548-148.000.

- Moore, Richard S., to Materials Recycling Management Ltd. Waste reclamation system for pelletizing fuel pellets. 4,859,211, 8-22-89, Cl. 44-589.000.
- Moore, Robert A.: *See—*
  - Boyer, Alan H.; Walter, Graham D.; and Moore, Robert A., 4,809,026, Cl. 346-155.000.
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- Moore, Robert C., to Johns Hopkins University, The. Apparatus for categorizing and accumulating events. 4,833,629, 5-23-89, Cl. 364-555.000.
- Moore, Robert C.: *See—*
  - Jenkins, Robert E.; Lee, D. Gilbert, Jr.; Moore, Robert C.; and Strohbehn, Kim, 4,805,228, Cl. 382-49.000.
- Moore, Robert E., to Adamantech, Inc. Preparation of a gel having gas transporting capability. 4,879,062, 11-7-89, Cl. 252-315.100.
- Moore, Robert E.: *See—*
  - Daniel, Arthur A.; Irvin, David R.; and Moore, Robert E., 4,823,345, Cl. 371-37.000.
  - Yuhas, John M.; Goodman, Robert L.; and Moore, Robert E., 4,889,525, Cl. 600-1.000.
- Moore, Robert F. Remote acceptance switch for computer mouse. 4,816,810, 3-28-89, Cl. 340-710.000.
- Moore, Robert G., Jr., to Allied-Signal Inc. Series spool pressure regulator arrangement for a double-acting hydraulic actuator. 4,836,089, 6-6-89, Cl. 91-446.000.
- Moore, Robert H.; and Durance, Denise, to Litton Systems, Inc. Method and apparatus for planar alignment of a ring laser gyroscope for minimum magnetic bias sensitivity. 4,850,708, 7-25-89, Cl. 356-350.000.
- Moore, Robert H.: *See—*
  - Hammons, Sheridan W.; and Moore, Robert H., 4,861,160, Cl. 356-138.000.
- Moore, Robert K.: *See—*
  - Wallace, Gary L.; and Moore, Robert K., 4,794,996, Cl. 177-25.140.
- Moore, Robert R.; Lamb, Steve; and Wolf, Eugene M. Glenohumeral ligament repair. 4,872,451, 10-10-89, Cl. 128-92.0YF.
- Moore, Robin B.: *See—*
  - Thompson, Laurence A.; and Moore, Robin B., 4,823,120, Cl. 340-703.000.
- Moore, Roger K.: *See—*
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- Moore, Ronald J.: *See—*
  - Ameen, Joseph G.; Carden, Timothy F.; Cutting, Lawrence R.; Engle, Stephen R.; and Moore, Ronald J., 4,803,100, Cl. 427-387.000.
- Moore, Roy A. Waste heat cooling apparatus. 4,819,446, 4-11-89, Cl. 62-238.300.
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- Moore, Samuel E., Sr., to Du Pont de Nemours, E. I., and Company. Tool for forming a spinneret capillary. 4,847,464, 7-11-89, Cl. 219-69.150.
- Moore, Scott E., to Micron Technology Inc. Fluid level sensing method and apparatus. 4,881,487, 11-21-89, Cl. 116-227.000.
- Moore, Scott E.: *See—*
  - Barnett, Jay D.; Ludwig, Bryan J.; Marks, Ernest E.; and Moore, Scott E., 4,872,356, Cl. 73-866.500.
- Moore, Sewell T.; and Brevard, William, to American Cyanamid Company. Dry strength resin of amino/aldehyde acid colloid with acrylamide polymer, process for the production thereof and paper produced therefrom. 4,845,148, 7-4-89, Cl. 524-512.000.
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- Moore, Sidney D., to Bausch & Lomb Incorporated. Focus lock for binoculars. 4,818,086, 4-4-89, Cl. 350-552.000.
- Moore & Steele Corporation: *See—*
  - Lounsberry, Stephen M., III; Lounsberry, Peter C.; Rodems, James D.; and Carner, Gary A., 4,856,617, Cl. 184-3.100.
- Moore, Stephen: *See—*
  - Becker, Paul; Edwards, Larry M.; Horner, Patrick J.; Macknick, A. Brian; Moore, Stephen; and Mosso, Ronald J., 4,843,131, Cl. 526-65.000.
  - Dahl, Klaus J.; Jansons, Viktors; and Moore, Stephen, 4,808,693, Cl. 528-125.000.
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  - Mazzanti, John B.; and Moore, Stephen, 4,855,387, Cl. 528-125.000.
- Moore, Steven B. Dental instrument sharpening hone. 4,821,462, 4-18-89, Cl. 51-214.000.
- Moore, T. Charles: *See—*
  - Rorden, Louis H.; and Moore, T. Charles, 4,878,053, Cl. 340-853.000.
- Moore, Terry R.: *See—*
  - Stevenson, David L.; Moore, Terry R.; and Brammall, Terrence N., 4,802,700, Cl. 292-327.000.
- Moore, Thomas A.; Bazydola, Stanley J., Jr.; and Depietro, Richard A., to United Technologies Corporation. Electrical grounding connector for a helicoptor rotor. 4,808,072, 2-28-89, Cl. 416-5.000.
- Moore, Thomas C., Jr.: *See—*
  - Holmes, Harlan K.; Moore, Thomas C., Jr.; and Fantl, Andrew J., 4,873,990, Cl. 128-748.000.
- Moore, Thomas P.: *See—*
  - Whitmore, Henry B.; and Moore, Thomas P., 4,822,032, Cl. 272-73.000.
- Moore, Thomas W., Jr. Prefabricated insulating and ventilating panel. 4,852,314, 8-1-89, Cl. 52-199.000.
- Moore, Timothy M.: *See—*
  - Van der Woude, Gerbrig W.; and Moore, Timothy M., 4,883,394, Cl. 411-51.000.
- Moore, Vernon S.; and Hamman, Reed K., to Holmes International Inc. Truck axle grasping attachment for towing vehicles. 4,822,089, 4-18-89, Cl. 294-82.340.
- Moore, Vernon S., to Holmes International Inc. Side rails for flat bed vehicles. 4,842,317, 6-27-89, Cl. 296-36.000.
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- Moore, Walter J. Safety latch for a nuclear waste container. 4,834,434, 5-30-89, Cl. 292-253.000.
- Moore, Wayne T., to Paradyne Corporation. Interleaved synchronous bus access protocol for a shared memory multi-processor system. 4,797,815, 1-10-89, Cl. 364-200.000.
- Moore, William A.; Economy, Constantine F.; and Economy, Theodore F., to Midway Video, Ltd. Article vending machine employing unique robotic arm and the robotic arms employed therein. 4,860,876, 8-29-89, Cl. 194-205.000.
- Moore, William C., to Dryvit System, Inc. Laminated wall construction. 4,882,888, 11-28-89, Cl. 52-309.900.
- Moore, William E.: *See—*
  - Roberts, Luther C.; Moore, William E.; Buntaine, James R.; and Brady, Robert V., 4,865,944, Cl. 430-495.000.
- Moore, William G.: *See—*
  - Rafaniello, William; and Moore, William G., 4,804,525, Cl. 423-291.000.
- Moore, William J.: *See—*
  - Gluck, David G.; Soukup, Thomas G.; and Moore, William J., 4,795,763, Cl. 521-99.000.
- Moore, William J. M.: *See—*
  - Miljanic, Petar N.; and Moore, William J. M., 4,841,236, Cl. 324-127.000.
- Moore, William P., to Melamine Chemicals, Inc. Attrition-resistant controlled release fertilizers. 4,804,403, 2-14-89, Cl. 71-28.000.
- Moore, William T.; and Wallace, Kenneth J., to Rank Pullin Controls Limited. Controlling image signals in an imaging apparatus. 4,799,106, 1-17-89, Cl. 358-168.000.
- Moore, William T.; and Stuart, Alan S., to Rank Pullin Controls Limited. Thermal imagers. 4,808,823, 2-28-89, Cl. 250-334.000.
- Moore, William T., to Rank Pullin Controls Limited. Thermal imager. 4,868,389, 9-19-89, Cl. 250-332.000.
- Moore, Zachary, to Zeta Management Ltd. Electrode-less detector. 4,820,990, 4-11-89, Cl. 324-445.000.
- Moorefield, Barry A.: *See—*
  - Callahan, David T.; and Moorefield, Barry A., 4,854,479, Cl. 221-304.000.
- Moorefield, Frank R. Snow rake. 4,848,819, 7-18-89, Cl. 294-54.500.
- Moorehead, Eric L., to Union Oil Company of California. Oxidation catalyst. 4,801,567, 1-31-89, Cl. 502-77.000.
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- Moorehead, Eric L., to Union Oil Company of California. Hydroprocessing with a catalyst containing non-hydrolyzable halogen. 4,844,791, 7-4-89, Cl. 208-111.000.
- Moorehead, Eric L.: *See—*
  - Abdo, Suheil F.; and Moorehead, Eric L., 4,844,792, Cl. 208-111.000.
- Moorehead, Robert M. Light attenuation motion transducer wherein two fiber optic cables abut at the pivot axis of pivotable mounting members. 4,803,353, 2-7-89, Cl. 250-227.000.
- Moorehead, Thomas J.; and Bayless, Allan V., to Norwich Eaton Pharmaceuticals, Inc. Acylphosphorotriamides useful as lipid-altering agents. 4,800,194, 1-24-89, Cl. 514-89.000.
- Moorehouse, D. J.: *See—*
  - Abouav, David M., 4,869,171, Cl. 102-215.000.
- Moores, Gregory E.: *See—*
  - Johnson, Paul D.; Kubicko, Robert E.; Martone, Louis C.; and Moores, Gregory E., 4,827,837, Cl. 99-280.000.
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- Moorhead, Eric L.: *See—*
  - Abdo, Suheil F.; Moorhead, Eric L.; and Ward, John W., 4,867,9 Cl. 208-27.000.
- Moorhead, Louise C.: *See—*
  - Armeniades, C. D.; and Moorhead, Louise C., 4,841,984, Cl. 128-748.000.

- Moorhouse, D. J.: *See—*
  - Abouav, David M., 4,860,653, Cl. 102-200.000.
- Moorhouse, Harry R.; Jensen, Robert M.; and Chung, Tat K., to LJN Toys, Ltd. Air gun with safety features. 4,834,059, 5-30-89, Cl. 124-67.000.
- Mooring, Anne M.: *See—*
  - Wu, Chengjiu; Mooring, Anne M.; McFarland, Michael J.; Osuch, Christopher E.; and Yardley, James T., 4,837,124, Cl. 430-270.000.
- Moorjani, Kishin: *See—*
  - Kim, Boris F.; Bohandy, Joseph; Moorjani, Kishin; and Adrian, Frank J., 4,851,762, Cl. 324-71.600.
- Moorman, David K.: *See—*
  - Tiearney, Thomas C., Jr.; Love, William D.; and Moorman, David K., 4,802,196, Cl. 378-143.000.
- Moorman, Stephen E.: *See—*
  - Sweatt, Blaine, III; and Moorman, Stephen E., 4,801,077, Cl. 229-113.000.
- Moormann, Randall H., to Tonka Corporation. Basketball hoop system. 4,887,812, 12-19-89, Cl. 273-1.50R.
- Moorthy, Kanniah N. G. K.: *See—*
  - Singh, Vir B.; Moorthy, Kanniah N. G. K.; Kaushik, Pushpendar K.; and Sankarasub-Ramanian, Harinaran, 4,875,900, Cl. 8-94.270.
- Moos, Walter H.; and Thomas, Anthony J., to Warner-Lambert Company. Method of treating the symptoms of senile cognitive decline employing di- or trisubstituted urea cholinergic agents. 4,797,419, 1-10-89, Cl. 514-588.000.
- Moos, Walter H.: *See—*
  - Downs, David A.; Moos, Walter H.; Moreland, David W.; and Tecle, Haile, 4,798,841, Cl. 514-357.000.
  - Kester, Jeffrey A.; Moos, Walter H.; and Thomas, Anthony J., 4,855,308, Cl. 514-332.000.
- Moose, Wade E.: *See—*
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- Mooshammer, Alfred: *See—*
  - Langenhahn, Lutz; Mooshammer, Alfred; and Fischer, Georg, 4,830,068, Cl. 141-266.000.
- Moplefan S.p.A.: *See—*
  - Vittone, Andrea; and Chiappini, Giuseppe, 4,861,639, Cl. 428-105.000.
- Mor, Yeshayahu; Sandman, Leonardo; and Schatzberger, Yeshayahu, to Performance Semiconductor Corporation. Register addressing system for efficient microroutine sharing and optimization. 4,807,124, 2-21-89, Cl. 364-200.000.
- Mor, Yeshayahu; and Sandman, Leonardo, to Performance Semiconductor Corporation. Microprocessor system with extended arithmetic logic unit. 4,884,231, 11-28-89, Cl. 364-736.000.
- Mor, Yeshayahu: *See—*
  - Sandman, Leonardo; Mor, Yeshayahu; and Schatzberger, Yeshayahu, 4,811,211, Cl. 364-200.000.
  - Schatzberger, Yeshayahu; Mor, Yeshayahu; and Sandman, Leonardo, 4,858,166, Cl. 364-748.000.
- Mora, Gianfranco, to Fiat Auto S.p.A. Apparatus for adjusting the inclination of a vehicle rear seat. 4,813,721, 3-21-89, Cl. 296-65.100.
- Morach, Eugen: *See—*
  - Hoffmann, Karl-Ludwig; Eiden, Gunter; and Morach, Eugen, 4,812,267, Cl. 264-169.000.
- Moradi-Araghi, Ahmad: *See—*
  - Mumallah, Naim A.; and Moradi-Araghi, Ahmad, 4,822,842, Cl. 524-346.000.
  - Mumallah, Naim A.; and Moradi-Araghi, Ahmad, 4,884,636, Cl. 166-295.000.
- Morais Cravador, Alfredo J.; Jacobs, Paul; Bollen, Alex J.; Van Elsen, Ary; and Herzog, Albert A. M., to SmithKline-RIT s.a. Method for the preparation of bacterial clones carrying optimal genetic information for the production of the factor for release of human growth hormone in *Escherichia coli*. 4,857,470, 8-15-89, Cl. 435-320.000.
- Morales, Heriberto, to Sola U.S.A. Inc. Method of making a rigid gas permeable bifocal contact lens. 4,854,089, 8-8-89, Cl. 51-284.00R.
- Morales, Liliana M.: *See—*
  - Daigger, Glen T.; Borberg, James R.; and Morales, Liliana M., 4,867,883, Cl. 210-605.000.
- Morales, Mario E., to McReynolds, Virginia, a part interest. Gold solder fluxing composition and method of preparing the same. 4,810,313, 3-7-89, Cl. 148-24.000.
- Morales-Rios, Martha S.: *See—*
  - Joseph-Nathan, Pedro; and Morales-Rios, Martha S., 4,803,284, Cl. 548-497.000.
- Morales, Sergio; and Friedman, Gary L., to United States of America, National Aeronautics and Space Administration. Local area network with fault-checking, priorities and redundant backup. 4,847,837, 7-11-89, Cl. 371-8.000.
- Moran, Charles: *See—*
  - Wright, Peter; Hinton, Alan; Constable, Alan; Moran, Charles; and Smith, Martin, 4,869,664, Cl. 431-328.000.
- Moran, Dan; and Gerlitz, Yonatan, to Rasaat. Apparatus for monitoring the eyes of an operator. 4,847,486, 7-11-89, Cl. 250-221.000.
- Moran, Edward. Panelizing machine and method for use. 4,798,321, 1-17-89, Cl. 228-213.000.
- Moran-Iturralde, Anthony M.: *See—*
  - Goh, David; Moran-Iturralde, Anthony M.; and Howells, Geoffrey, 4,881,918, Cl. 453-4.000.
- Moran, James A., Jr.: *See—*
  - Anders, Gary H.; and Moran, James A., Jr., 4,852,441, Cl. 83-155.000.
- Moran, James J., to Nalco Chemical Company. Apparatus and method for removal of sludge from tanks. 4,828,625, 5-9-89, Cl. 134-22.180.
- Moran, James J.: *See—*
  - Montfort, Ralph R., Jr.; and Moran, James J., 4,817,722, Cl. 166-310.000.
- Moran, James M., to Barkley & Dexter Laboratories, Inc. Search coil assembly for metal detectors. 4,814,734, 3-21-89, Cl. 336-84.00C.
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- Moran, James M., to Barkley & Dexter Laboratories, Inc. Search coil assembly for metal detectors. 4,870,381, 9-26-89, Cl. 336-84.00C.
- Moran, James P., Jr.: *See—*
  - Dunn, David J.; Vano, Patrick P.; Moran, James P., Jr.; Holmes, Mark; and Frauenglass, Elliott, 4,855,002, Cl. 156-307.300.
- Moran, James W.; Posdal, James R.; and Trecker, Gary W., to Kraft, Incorporated. Manufacture of curd and cheese from a milk retentate. 4,820,530, 4-11-89, Cl. 426-40.000.
- Moran, John: *See—*
  - Rogers, Tracy G.; Nier, Michael R.; and Moran, John, 4,854,077, Cl. 49-322.000.
- Moran, John P.; Gilson, Richard W.; and Heubel, Thomas W., to Sherwood Medical Company. Plunger lock device. 4,874,385, 10-17-89, Cl. 604-208.000.
- Moran, Kevin E.; Smith, Michael L.; and Lippard, Ernest R., III, to Eastman Kodak Company. Method and apparatus for inspecting reticles. 4,875,780, 10-24-89, Cl. 356-446.000.
- Moran, Kevin S.: *See—*
  - Czarnocki, Walter S.; Harper, Peter W.; Moran, Kevin S.; and Alexander, Steven W., 4,854,167, Cl. 73-204.190.
- Moran, Lyle E., to Exxon Research and Engineering Company. Polyethylene modified asphalts. 4,868,233, 9-19-89, Cl. 524-71.000.
- Moran, Lyle E.; and Kaufman, Lawrence G., to Exxon Research and Engineering Company. Flow resistant asphalt paving binder. 4,873,275, 10-10-89, Cl. 524-64.000.
- Moran, Lyle E., to Exxon Research and Engineering Company. Asphaltic composition. 4,882,373, 11-21-89, Cl. 524-68.000.
- Moran, Michael J.: *See—*
  - Dierick, Tony F. J.; Kite, Nicholas J.; and Moran, Michael J., 4,857,029, Cl. 446-220.000.
- Moran, Steven A., to Westinghouse Electric Corp. Zone filter. 4,833,585, 5-23-89, Cl. 363-39.000.
- Moran, Susan C.: *See—*
  - Abu-Isa, Ismat A.; Eusebi, Elio; Jaynes, Craig B.; Moran, Susan C.; and Roy, Michael A., 4,842,257, Cl. 267-133.000.
- Moran, Thomas F., Jr., to Midwest Plastic Fabricators, Inc. Adjustable riser assembly. 4,861,942, 8-29-89, Cl. 174-38.000.
- Moran, William: *See—*
  - Ilfrey, William T.; Spatz, Edward C.; Peterson, Elmer R.; and Moran, William, 4,858,691, Cl. 166-278.000.
- Morand, Adolf: *See—*
  - Buser, Hansjorg; and Morand, Adolf, 4,879,413, Cl. 564-63.000.
- Morand, Michel, to Wyant & Company Limited. Two roll sheet material dispenser. 4,846,412, 7-11-89, Cl. 242-55.300.
- Morand, Peter; Drew, Jacinta; Szabo, Arthur G.; and Proulx, Pierre R. Fluorescent conjugated polyene sterol derivatives as cell membrane probes. 4,879,069, 11-7-89, Cl. 260-397.200.
- Morandini, Rose P. Hood-type garment. 4,887,316, 12-19-89, Cl. 2-174.000.
- Morane, Bruno; and Joulia, Gerard, to L'Oreal. Device for applying a liquid, product, in particular for applying nail polish. 4,854,759, 8-8-89, Cl. 401-119.000.
- Morane, Bruno; and de Laforcade, Vincent, to L'Oreal. Container for packaging a product and dispensing it under good conditions of cleanliness. 4,860,933, 8-29-89, Cl. 222-402.130.
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- Morankar, Sudhakar D.; Esguerra, Hermando; Kerevel, Patrice; and Hilgart, Michael J., to Dukane Corporation. Method and apparatus for orienting a fiber optic member. 4,838,639, 6-13-89, Cl. 350-96.200.
- Moransais, Charles, to Zafira. Device for the manufacture of elliptical pickup diamonds. 4,830,329, 5-16-89, Cl. 249-83.000.
- Moranz, Richard F., to Kendale Industries. Rubber tired roller bearing. 4,802,519, 2-7-89, Cl. 152-325.000.
- Morash, Daniel, to Seaglider Concept S.A. Surface effect transport vehicle including improved lift means. 4,843,991, 7-4-89, Cl. 114-67.00A.
- Morash, Douglas H., to Moog Inc. Hypergolic/catalytic actuator. 4,825,819, 5-2-89, Cl. 123-46.00R.
- Moravcsik, Imre: *See—*
  - Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.
- Moravec, Robert L., to Premier Technology, Inc. Pinball drop target assembly. 4,804,186, 2-14-89, Cl. 273-127.00R.

Morawetz, Peter L.; and Ioffe, Zosim, to Empi, Inc. Medical stimulator with stimulation signal characteristics modulated as a function of stimulation signal frequency. 4,887,603, 12-19-89, Cl. 128-422.000.

Morbidelli, Massimo: *See—*

Niederjaufner, Guido; Pontoglio, Achille; Storti, Giuseppe; Morbidelli, Massimo; and Carr', Sergio, 4,795,839, Cl. 570-211.000.

Morbitzer, Hans P.: *See—*

Nowak, Gerhard; Kruschik, Klaus; Morbitzer, Hans P.; Theuer, Rudolf; and Winter, Alfred, 4,880,252, Cl. 280-618.000.

Morch, Ole C., to NTC Engineering APS. Apparatus for inserting sticks into ice cream bodies. 4,801,063, 1-31-89, Cl. 227-45.000.

Morcom, Christopher J., to English Electric Valve Company Limited. Method for operating an image sensor having an integration period uncoordinated with its frame period. 4,835,616, 5-30-89, Cl. 358-213.190.

Morcos, N. Charle; and Henry, Walter L., to University of California, The Regents of the. Medical uses for phycocyanin. 4,886,831, 12-12-89, Cl. 514-456.000.

Mordan, William J.: *See—*

Hunkapiller, Michael W.; Connell, Charles R.; Mordan, William J.; Lytle, John D.; and Bridgham, John A., 4,811,218, Cl. 364-413.010.

Mordini, Joseph; and Risner, Robert. Solar photo-developing process. 4,857,970, 8-15-89, Cl. 355-113.000.

More, Anthony P.: *See—*

Stroble, Carl P.; and More, Anthony P., 4,878,959, Cl. 148-111.000.

More, Edward S.; and Aiken, John C. Electro-optic slate for input/output of hand-entered textual and graphic information. 4,839,634, 6-13-89, Cl. 340-712.000.

More, Henry S.: *See—*

Rorden, Louis H.; and More, Henry S., 4,823,125, Cl. 340-854.000.

More, James R., to Minnesota Mining and Manufacturing Company. Electrical environmental sealant and method. 4,863,535, 9-5-89, Cl. 156-49.000.

Moreau, Jacques-Pierre: *See—*

Coy, David H.; and Moreau, Jacques-Pierre, 4,866,160, Cl. 530-313.000.

Moreau, Jean-Michel, to Thomson Semiconducteurs. Frequency-voltage converter. 4,823,091, 4-18-89, Cl. 328-140.000.

Moreau, Jean-Michel: *See—*

Lusinchi, Jean-Pierre; and Moreau, Jean-Michel, 4,868,498, Cl. 324-173.000.

Moreau, Luc: *See—*

Comtois, Patrick; Moreau, Luc; Nourry, Daniel; and Paggi, Serge, 4,849,591, Cl. 200-151.000.

Moreau, Philippe, to Framatome. Nuclear reactor confinement enclosure foundation. 4,797,250, 1-10-89, Cl. 376-293.000.

Moreau, Philippe; and Fiorina, Jean-Noel, to Merlin Gerin. Measuring circuit of the DC component of the current flowing through the primary winding of the output transformer of an inverter. 4,878,026, 10-31-89, Cl. 324-547.000.

Moreau, Wayne M.; and Chiong, Kaolin N., to International Business Machines Corporation. Diazoquinone sensitized polyamic acid based photoresist compositions having reduced dissolution rates in alkaline developers. 4,880,722, 11-14-89, Cl. 430-192.000.

Moreaux, Francois: *See—*

Schwegler, Patrice; Debrie, Jean-Jacques; Clement, Bernard; Moreaux, Francois; and Olivier, Jacques, 4,840,353, Cl. 266-80.000.

Morehead, James B. Plant protecting and growth enhancing device. 4,821,453, 4-18-89, Cl. 47-2.000.

Morehouse, Charles C.: *See—*

Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,813,255, Cl. 72-19.000.

Birk, John; Breu, Heinz; Gong, William; Morehouse, Charles C.; and Liebes, Sidney, Jr., 4,821,157, Cl. 362-241.000.

Morel, Anne; and Delaage, Michel, to Immunotech. Immunoassay for monoamines. 4,818,683, 4-4-89, Cl. 435-7.000.

Morel, Didier, to Rhone-Poulenc Sante. Chlorinated β-ketoesters, their preparation and their use. 4,837,365, 6-6-89, Cl. 568-394.000.

Morel, Didier: *See—*

Caude, Marie-Celine; Morel, Didier; and Pulicani, Jean-Pierre, 4,795,538, Cl. 204-111.000.

Mignani, Gerard; and Morel, Didier, 4,806,280, Cl. 260-408.000.

Morel, Emile M. J.; and Richert, Gabriel M., to Institut National de Recherche Chimique Appliquee. Process for impregnating with thermoplastic or thermosetting polymers in solid state fibers of great length. 4,828,776, 5-9-89, Cl. 264-136.000.

Morel, Henri: *See—*

Castelli, Renato; Van Hoye, Willy; Sijmons, Eric; Morel, Henri; and Nowacki, Jean M., 4,844,214, Cl. 190-103.000.

Morel, Jean-Michel, to Lhomme S.A. Apparatus for testing the resistance to cleavage of cardboard tubes. 4,819,488, 4-11-89, Cl. 73-845.000.

Morel, Jean-Pierre: *See—*

Bergeron, Robert; and Morel, Jean-Pierre, 4,825,799, Cl. 114-351.000.

Morel, Michel, to Clecim. Device for measuring flatness defects in a strip. 4,841,767, 6-27-89, Cl. 73-159.000.

Morel, Michel, to Clecim. Continuous monitoring roller for the profile of a strip. 4,858,333, 8-22-89, Cl. 33-552.000.

Morel, Simone. Applicator case for lipstick and similar applications. 4,815,485, 3-28-89, Cl. 132-318.000.

Morel, Simone, to Societe de Conseils et d'Etudes des Emballages SCEE. Retractable applicator device for nail varnishes with flow control. 4,854,758, 8-8-89, Cl. 401-116.000.

Morel, Simone. Container with a removable cap having side generating lines in alignment with those of the container. 4,858,777, 8-22-89, Cl. 215-295.000.

Moreland, Brenda G. Warning pennant. 4,813,369, 3-21-89, Cl. 116-173.000.

Moreland, David W.: *See—*

Downs, David A.; Moos, Walter H.; Moreland, David W.; and Tecle, Haile, 4,798,841, Cl. 514-357.000.

Moreland, Gary D.: *See—*

Cassady, Henry W., Jr.; Hanset, Richard E.; Livingston, James W.; and Moreland, Gary D., 4,865,232, Cl. 222-464.000.

Livingston, James W.; Cassady, Henry W., Jr.; Hosking, Stephen G.; Warner, Thomas J.; and Moreland, Gary D., 4,848,381, Cl. 134-57.00R.

Moreland, Jack, to MPC Containment Systems. Secondary containment systems especially well suited for hydrocarbon storage and delivery systems. 4,818,151, 4-4-89, Cl. 405-303.000.

Moreland, Margaret: *See—*

Nitecki, Danute E.; and Moreland, Margaret, 4,797,491, Cl. 546-291.000.

Shadle, Paula J.; Koths, Kirston E.; Moreland, Margaret; and Katre, Nandini, 4,847,325, Cl. 525-54.100.

Moreland, Robert D., to Betz Laboratories, Inc. Detackification of adhesive materials contained in secondary fiber with polyvinyl alcohol. 4,886,575, 12-12-89, Cl. 162-5.000.

Morell, Charles J.: *See—*

Gibbs, Lesley L.; and Morell, Charles J., 4,823,427, Cl. 15-247.000.

Morell, Lori A.; and Wessel, Joyce A., to Kimberly-Clark Corporation. Two piece protective garment. 4,823,404, 4-25-89, Cl. 2-69.000.

Morell, Philip C., to TRW Inc. Rack and pinion steering gear. 4,819,499, 4-11-89, Cl. 74-498.000.

Morelle, Jean V.; and Lauzanne-Morelle, Eliane M. T. Use of compositions of matter containing N-acylates of alpha aminoacids for the treatment of skin. 4,859,653, 8-22-89, Cl. 514-2.000.

Morelli, Albert, to La Telemecanique Electrique. Device for protection against short circuits for AC networks and current limiting circuit breaker appropriate for such a device. 4,814,932, 3-21-89, Cl. 361-63.000.

Morelli, Aldo. Trench box. 4,850,747, 7-25-89, Cl. 405-283.000.

Morelli, John; Sletten, Robert; and Lionetto, Gene, to M/A-Com Omni Spectra, Inc. Microwave stripline connector. 4,846,696, 7-11-89, Cl. 439-31.000.

Morelli, Marco: *See—*

Murari, Bruno; and Morelli, Marco, 4,801,860, Cl. 323-274.000.

Morello, Alberto: *See—*

Cominetti, Mario; and Morello, Alberto, 4,887,269, Cl. 371-47.000.

Morello, Peter F.: *See—*

Harris, Peter B.; Bennett, James; Lechiaro, Kathy M.; Morello, Peter F.; and McDonald, Robert C., 4,818,645, Cl. 429-209.000.

Moren, Dean M.: *See—*

Rasmussen, Jerald K.; Heilmann, Steven M.; Krepski, Larry R.; and Moren, Dean M., 4,874,822, Cl. 525-279.000.

Moren, Douglas L. Method and article of manufacture for producing mushrooms from self contained vessels. 4,852,297, 8-1-89, Cl. 47-1.100.

Morena, Robert M.: *See—*

Chyung, Kenneth; Dawes, Steven B.; Gadkaree, Kishor P.; Morena, Robert M.; and Taylor, Mark P., 4,808,460, Cl. 428-116.000.

Morency, Carol S.: *See—*

Reyes, Jose L., 4,805,285, Cl. 29-407.000.

Morency, Maurice, to Ultramafic Technology Inc. Production of elements and compounds by deserpentinization of ultramafic rock. 4,798,717, 1-17-89, Cl. 423-648.100.

Morency, Richard P.: *See—*

Robicsek, Francis; and Morency, Richard P., 4,827,906, Cl. 128-1.00D.

Moreno, Albert F.; and Spector, George. Magnetic strip for pick up camper shells etc. 4,832,396, 5-23-89, Cl. 296-164.000.

Moreno, Albert M. Post support. 4,850,565, 7-25-89, Cl. 248-545.000.

Moreno, Albert M. Post support. 4,858,876, 8-22-89, Cl. 248-545.000.

Moreno, Enrique. Filter assembly for use with a hypodermic syringe. 4,820,276, 4-11-89, Cl. 604-190.000.

Moreno, Ernie A.; and Moreno, Ray D. Tire rim protector for cleaning and applying a liquid protectant to tires. 4,811,991, 3-14-89, Cl. 301-37.00R.

Moreno, Gilbert. Handle for an exerciser device. 4,836,537, 6-6-89, Cl. 272-143.000.

Moreno, James B.: *See—*

Abbin, Joseph P.; Andraka, Charles E.; Lukens, Laurance L.; and Moreno, James B., 4,868,072, Cl. 429-11.000.

Moreno, Ray D.: *See—*

Moreno, Ernie A.; and Moreno, Ray D., 4,811,991, Cl. 301-37.00R.

Morenus, Richard J.: *See—*

Houser, David E.; and Morenus, Richard J., 4,884,334, Cl. 29-739.000.

Moreschi, Arlene P. Lawn tool carrier. 4,865,240, 9-12-89, Cl. 224-273.000.

Morese-Seguela, Brigitte: *See—*

Audureau, Joel; Morese-Seguela, Brigitte; and Hervais, Vincent, 4,818,467, Cl. 264-564.000.

Moret, Jacques; Fosset, Jean-Maurice; Couturier, Jacques; and Vi[illegible] Noel, to Compagnie Generale des Matieres Nucleaires. Apparatus and method for regenerating active carbon. 4,797,524, 1-10-89, Cl. 219-10.690.

Moret, Michel A.; and Jousson, Pierre J., to Les Produits Associes, LPA SA. Integrated oral hygiene system. 4,880,382, 11-14-89, Cl. 433-118.000.

Moret, Willem, to Machinefabriek de Remise B.V. Concrete fabrication and concrete suctioning method. 4,803,034, 2-7-89, Cl. 264-504.000.

Moretti, Anthony L.: *See—*

Ralston, John D.; Moretti, Anthony L.; and Jain, Ravinder K., 4,865,923, Cl. 428-620.000.

Moretti, Sergio: *See—*

Cetronio, Antonio; Moretti, Sergio; and Di Bona, Maurizio, 4,818,724, Cl. 437-203.000.

Morf, Uli G.: *See—*

Paffhausen, Hans; and Morf, Uli G., 4,801,215, Cl. 400-224.000.

Morflex Chemical Company, Inc.: *See—*

Hull, Ezekiel H., 4,824,893, Cl. 524-310.000.

Hull, Ezekiel H.; and Frappier, Edward P., 4,870,204, Cl. 560-180.000.

Hull, Ezekiel H.; and Frappier, Edward P., 4,883,905, Cl. 560-180.000.

Morgado, Ralph G. Method of forming self-sealing piston. 4,829,954, 5-16-89, Cl. 123-193.00P.

Morgan Adhesives Company: *See—*

McClintock, Jack M., 4,857,371, Cl. 428-36.500.

Morgan, Alan R.; Selman, Steven H.; Garbo, Greta M.; and Keck, Rick W., to University of Toledo, The. Production and use of dimers of hematoporophyrin, purpurins, chlorines and purpurin- and chlorin-complexes. 4,877,872, 10-31-89, Cl. 540-145.000.

Morgan, Alton C., Jr.; McIntyre, Robert; Woodhouse, Clive S.; and Abrams, Paul G., to NeoRx Corporation. Method for improving the elicitation of IgG class monoclonal antibodies to tumor-associated antigens and glycoproteins. 4,822,734, 4-18-89, Cl. 435-68.000.

Morgan, Alton C., Jr.; Woodhouse, Clive S.; and McIntyre, Robert F., to NeoRx Corporation. Enhanced production of antibodies utilizing insolubilized immune complexes. 4,879,225, 11-7-89, Cl. 435-68.000.

Morgan, Arch D.: *See—*

Uagpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Ketenhofen, Timothy J.; Marver, Douglas J.; Couture-Dorschner, Laurie; and Pomplun, William S., 4,837,715, Cl. 364-552.000.

Morgan, Barry A.: *See—*

Singh, Jasbir; and Morgan, Barry A., 4,839,465, Cl. 530-330.000.

Morgan, Burton D. Process for fabricating pressure-sensitive adhesive materials. 4,867,818, 9-19-89, Cl. 156-80.000.

Morgan, Burton D. Process for fabricating self-adhesive bandages. 4,867,821, 9-19-89, Cl. 156-152.000.

Morgan, Charles R.; Chen, Cheng-Chi; Blinka, Thomas A.; and Obligin, Alan S., to W. R. Grace & Co.-Conn. Composition and process for separating fluid mixtures. 4,882,057, 11-21-89, Cl. 210-500.230.

Morgan, Charles R. Apparatus for applying sprout inhibitor to stored potatoes. 4,887,525, 12-19-89, Cl. 99-476.000.

Morgan, Christine K., administratrix: *See—*

Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased, 4,830,965, Cl. 435-172.300.

Morgan, Cleon C.; and Nieboer, Keith A., to Donnelly Corporation. Vehicular window assembly. 4,858,988, 8-22-89, Cl. 296-201.000.

Morgan, Clive A.: *See—*

Cook, Timothy; Craigen, Joseph G.; and Morgan, Clive A., 4,799,647, Cl. 251-356.000.

Morgan Construction Company: *See—*

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Wilson, Alexander I., 4,884,429, Cl. 72-250.000.

Wykes, Philip; and Pariseau, David L., 4,813,113, Cl. 29-122.000.

Wykes, Philip; and Pariseau, David L., 4,881,310, Cl. 29-122.000.

Morgan Container Corp.: *See—*

Nuzzo, Robert A., 4,807,947, Cl. 312-140.400.

Morgan Corporation: *See—*

Whiteman, Paul L., 4,795,208, Cl. 296-181.000.

Morgan, Daniel P., to Veriflo Corp. Fluid flow control device and compression member therefor. 4,807,849, 2-28-89, Cl. 251-362.000.

Morgan, David; and Straznickas, Donald A., deceased (by Straznickas, Barbara A., executor), to Sundstrand Corporation. Power source utilizing lithium and perhalogenated polymers. 4,846,113, 7-11-89, Cl. 122-21.000.

Morgan, David E., to Brown Boveri (Australia) Pty, Limited. Drop-out expulsion fuse. 4,857,879, 8-15-89, Cl. 337-173.000.

Morgan, Derek E.; and Jackson, James D. J., to Ceramaspeed Limited. Radiant heaters. 4,864,105, 9-5-89, Cl. 219-542.000.

Morgan, Donald E.; and Shields, Michael B., to Sony Corporation. System and method for performing error correction on still frame audio tape format video signals. 4,866,719, 9-12-89, Cl. 371-40.100.

Morgan, Donald F., to Batts, Inc. Folding pant hanger. 4,889,265, 12-26-89, Cl. 223-96.000.

Morgan, Edward B.: *See—*

Horne, Colin; and Morgan, Edward B., 4,859,866, Cl. 290-54.000.

Morgan, Edward J.; and Corbett, William D., to Brunswick Corporation. Evaporable foam pattern for use in a casting process and having load transfer walls. 4,883,110, 11-28-89, Cl. 164-249.000.

Morgan, Elizabeth J., to Structural Graphics, Inc. Folding card with changing picture. 4,809,453, 3-7-89, Cl. 40-488.000.

Morgan, Ellen K.: *See—*

Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D., 4,798,876, Cl. 525-457.000.

Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D., 4,810,582, Cl. 428-423.100.

Morgan, Gene E.; and Dyer, Gerald E., to United States of America, National Aeronautics and Space Administration. Internal wire guide for GTAW welding. 4,879,446, 11-7-89, Cl. 219-75.000.

Morgan, George R. Power system for piston engines & compression devices. 4,825,820, 5-2-89, Cl. 123-56.0BC.

Morgan, George R. External combustion closed regenerative cycle piston engine. 4,852,354, 8-1-89, Cl. 60-682.000.

Morgan, Harry C., to Ocutech. Method of molding articles. 4,840,754, 6-20-89, Cl. 264-2.200.

Morgan, Howard A.: *See—*

Bare, John H.; Morgan, Howard A.; and Reed, Robert E., 4,865,261, Cl. 242-47.000.

Morgan, James D.: *See—*

Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.

Morgan, James E. Collapsible inner tube seat insert. 4,795,387, 1-3-89, Cl. 441-130.000.

Morgan, James T., Jr., to J. Tom Morgan Enterprises, Inc. Pre-press color proof system having improved tonal range in highlight areas (pin dot detail). 4,870,455, 9-26-89, Cl. 355-77.000.

Morgan, Janerio N.: *See—*

Ayers, Curtis J.; Morgan, Janerio N; and May, William E., 4,801,910, Cl. 335-230.000.

Morgan, Jeffrey R.; and Mulligan, Richard C., to Whitehead Institute for Biomedical Research. Introduction and expression of foreign genetic material in epithelial cells. 4,868,116, 9-19-89, Cl. 435-240.200.

Morgan, Jeffrey S.: *See—*

Tofsland, Kenneth M.; Morgan, Jeffrey S.; Gryttenholm, Eric G.; and Jaroszczyk, Tadeusz, 4,878,929, Cl. 55-486.000.

Morgan, John D.; Giolma, William H.; and Boucher, Richard, to Texas Instruments Incorporated. High frequency charge pump/integrator circuit. 4,798,973, 1-17-89, Cl. 307-296.00R.

Morgan, John M.: *See—*

Olson, A. L.; Batcheller, Tom A.; Rindfleisch, J. A.; and Morgan, John M., 4,881,574, Cl. 137-624.130.

Morgan, Lawrence J.: *See—*

McLellan, James N.; and Morgan, Lawrence J., 4,822,028, Cl. 272-67.000.

Morgan, Lee R. Method and compounds for reducing dermal inflammations. 4,827,016, 5-2-89, Cl. 560-16.000.

Morgan, Leon: *See—*

Hoffine, Harold C.; Forsythe, John; and Morgan, Leon, 4,881,849, Cl. 405-128.000.

Morgan, Leonard J.; and Bell, Mark, to American Cyanamid Company. Aqueous suspension concentrate compositions of pendimethalin. 4,871,392, 10-3-89, Cl. 71-121.000.

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Morgan, Michael E.: *See—*

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Morgan, Michael J.: *See—*

Day, Roger W.; and Morgan, Michael J., 4,806,995, Cl. 357-8.000.

Morgan, Patricia L.: *See—*

Love, Jack D.; Elliott, Michael T.; and Morgan, Patricia L., 4,849,078, Cl. 204-182.800.

Morgan, Paul: *See—*

Caillau, Pierre; Morgan, Paul; and De Veauce, Charles D. C., 4,836,855, Cl. 106-91.000.

Morgan, Peter E. D.: *See—*

Marshall, David B.; De Wames, Roger E.; Morgan, Peter E. D.; and Ratto, Joseph J., 4,879,537, Cl. 335-216.000.

Morgan, Peter J.; Carter, Andrew C.; Davis, Richard; and Randle, Frederick A., to Plessey Overseas Limited. Optical connecting arrangements. 4,836,633, 6-6-89, Cl. 350-96.180.

Morgan, Peter J.: *See—*

Carreno, Diether E.; and Morgan, Peter J., 4,796,465, Cl. 73-116.000.

Davis, Richard; Goodfellow, Robert C.; and Morgan, Peter J., 4,867,371, Cl. 228-160.000.

Morgan, Phillip; and Zellers, David. Method and apparatus for testing for refrigerant leaks. 4,862,698, 9-5-89, Cl. 62-77.000.

Morgan, Richard A., to Du Pont de Nemours, E. I., and Company. Modified polytetrafluoroethylene resins. 4,879,362, 11-7-89, Cl. 526-247.000.

Morgan, Richard A.: *See—*

Lester, Gene D.; Morgan, Richard A.; Harms, Harold B.; Barrett, John P.; Chang, Tsung K.; Cushing, Donald S.; Broo, Richard F.; and Hood, William M., 4,876,492, Cl. 318-254.000.

Morgan, Richard E., to Fansteel Inc. Drill steel drive unit. 4,834,594, 5-30-89, Cl. 408-239.00A.

Morgan, Richard E.; and Dye, Charles B., to Morton Thiokol, Inc. Method of and apparatus for casting solid propellant rocket motors. 4,836,961, 6-6-89, Cl. 264-3.100.

Morgan, Richard H. Eyeglass loop connection. 4,863,257, 9-5-89, Cl. 351-123.000.

Morgan, Ricky D.; and Sylvester, Vito P., to GTE Products Corporation. Press forging of molybdenum or molybdenum alloy parts. 4,821,554, 4-18-89, Cl. 72-377.000.

Morgan, Robert E.: *See—*

Schwartz, Edward M.; Morgan, Robert E.; and Everman, Wilburn D., 4,881,471, Cl. 108-144.000.

Morgan, Ronnie G., to Nabisco Brands, Inc. Directional flow bar extruder. 4,883,421, 11-28-89, Cl. 425-135.000.
Morgan, Ronnie G.: *See—*
Scaglione, Felice; Nelson, David A.; Keesee, Robert W.; and Morgan, Ronnie G., 4,868,002, Cl. 426-641.000.
Morgan, Steven V.; and Madocks, John E., to BOC Group, Inc., The. Controlled by-pass for a booster pump. 4,850,806, 7-25-89, Cl. 417-53.000.
Morgan, Susan. Hair treatment solution applicator. 4,813,439, 3-21-89, Cl. 132-116.000.
Morgan, Ted A., to Dow Chemical Company, The. Preparation of cyanoalkylphenols from bisphenols. 4,806,673, 2-21-89, Cl. 558-332.000.
Morgan, Ted A., to Dow Chemical Company, The. Preparation of cyanoalkylphenols. 4,810,814, 3-7-89, Cl. 558-335.000.
Morgan, Ted A.: *See—*
Inbasekaran, Muthiah N.; and Morgan, Ted A., 4,870,213, Cl. 568-645.000.
Morgan, Thomas A., to Honeywell Bull Inc. Film loader and unloader mechanism. 4,815,721, 3-28-89, Cl. 271-3.100.
Morgan, Thomas E., to Marconi Company Limited, The. Radar antenna array. 4,833,485, 5-23-89, Cl. 343-895.000.
Morgan, Thomas E., to Marconi Company Limited, The. Microwave transformer. 4,862,189, 8-29-89, Cl. 343-859.000.
Morgan, Thomas K., Jr.: *See—*
Nickisch, Klaus; Lis, Randall E.; Lumma, William C., Jr.; Morgan, Thomas K., Jr.; and Wohl, Ronald A., 4,804,662, Cl. 514-252.000.
Morgan, Thomas W.: *See—*
Walsh, Frank R.; DiNatale, Ernest L.; and Morgan, Thomas W., 4,831,420, Cl. 355-203.000.
Morgan, Tommie J.: *See—*
Chavarria, Lazaro; and Morgan, Tommie J., 4,866,750, Cl. 378-168.000.
Morgan, William H.: *See—*
Hyun, David K.; Higgins, Clifford A., II; and Morgan, William H., 4,795,196, Cl. 283-67.000.
Morgan, William W. Quick-change drill bits and holder. 4,850,758, 7-25-89, Cl. 408-226.000.
Morganson, Stephen A.; and Beecher, John L., to Ecolab Inc. Non-filming high performance solid floor cleaner. 4,861,518, 8-29-89, Cl. 252-548.000.
Morganstein, Sanford J.; Mehta, Bakulesh A.; Krakau, Herbert B.; Milsted, Neil F. N.; and Klecka, Mark D., to Dytel Corporation. Busy/no-answer call completion equipment. 4,809,321, 2-28-89, Cl. 379-211.000.
Morganstein, Sanford J.: *See—*
Mehta, Bakulesh A.; Morganstein, Sanford J.; and Krakau, Herbert B., 4,850,012, Cl. 379-157.000.
Morgante, Michael R.; Guzewich, Gregory J.; Kowal, Henry J.; La Mendola, Christopher; and Stanfield, Randall E., to Tuftco Corporation. Control system for hydraulic needle bar positioning apparatus for a tufting machine. 4,829,917, 5-16-89, Cl. 112-80.410.
Morganti, Pier F., to Mavi S.r.l. Formulation comprising gelatin and glycine for treating the dryness of skin. 4,806,525, 2-21-89, Cl. 514-21.000.
Morganti, Pier F. Medicinal formulation for promoting keratinogenesis and reducing seborrhea of the face and scalp. 4,863,950, 9-5-89, Cl. 514-419.000.
Morganti, Pierfrancesco. Insoluble collagen support matrix containing releaseable soluble collagen and method of making the same. 4,834,734, 5-30-89, Cl. 604-368.000.
Morganti, Terry N.: *See—*
Blanding, Douglass L.; and Morganti, Terry N., 4,795,070, Cl. 226-15.000.
Morganti, Victor M.; and Geyer, James B., to Bull HN Information Systems Inc. Apparatus and method for implementation of a page frame replacement algorithm in a data processing system having virtual memory addressing. 4,833,603, 5-23-89, Cl. 364-200.000.
Morganti, Victor M.; and Prange, Patrick E., to Bull HN Information Systems Inc. Call instruction, return instruction and trap procedure for ring crossing architecture. 4,866,599, 9-12-89, Cl. 364-200.000.
Morgen, Helmut: *See—*
Wildemann, Willi; Morgen, Helmut; Fuhrmann, Castor; Siemann, Martin; Kessler, Jurgen; and Freitag, Herbert, 4,867,317, Cl. 267-64.120.
Morgenstern, Jurgen. Apparatus for monitoring respiration and cardiac activity. 4,884,578, 12-5-89, Cl. 128-670.000.
Morgenstern, Rainer: *See—*
Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Daniel, Peter; Morgenstern, Rainer; Wehner, Wilfried; and Polster, Manfred, 4,801,300, Cl. 623-22.000.
Morgenthaler, Eugen, to Seewer AG. Method of rolling dough. 4,876,098, 10-24-89, Cl. 426-231.000.
Morgenthaler, Klaus: *See—*
Heinze, Reinhard; Morgenthaler, Klaus; Maiwald, Ines; and Kroenert, Wolfgang, 4,810,677, Cl. 501-95.000.
Morghen, Manfred, to General Dynamics Corporation/Convair Division. Insert locating pin for locating a workpiece on a sub-plate for machining. 4,801,225, 1-31-89, Cl. 409-218.000.
Morghen, Manifred, to General Dynamics Corporation/Convair Division. Indexing and locating tooling support component. 4,867,621, 9-19-89, Cl. 409-218.000.
Morgott, Horst; Poetsch, Edmund; Schmidtner, Erich; and Goercke, Hans-Hasso, to Siemens Aktiengesellschaft. High-power transformer. 4,829,417, 5-9-89, Cl. 363-126.000.

Morgulis, Alexander, to Shahak, Tzvika, a part interest. Ground-anchoring device particularly for umbrellas. 4,832,304, 5-23-89, Cl. 248-533.000.
Morhenn, Vera, to Syntex Inc. Monoclonal antibody specific for human basal cell surface antigen. 4,886,745, 12-12-89, Cl. 435-7.000.
Mori, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Constant speed cruising control apparatus. 4,879,655, 11-7-89, Cl. 364-426.040.
Mori, Akihiko: *See—*
Saita, Eiichi; Mori, Shigetaka; and Mori, Akihiko, 4,847,103, Cl. 426-445.000.
Mori, Akinari: *See—*
Kakiuchi, Tsutomu; Mori, Akinari; and Ogawa, Yoshio, 4,829,571, Cl. 381-25.000.
Mori, Akinori: *See—*
Yamamoto, Susumu; and Mori, Akinori, 4,810,593, Cl. 428-677.000.
Mori, Akio: *See—*
Kikuchi, Kiyoshi; and Mori, Akio, 4,819,189, Cl. 364-521.000.
Mori, Akira: *See—*
Amazawa, Kiyoshi; and Mori, Akira, 4,862,097, Cl. 328-165.000.
Mori, Atsushi: *See—*
Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mine; Murakami, Kanji; and Wajima, Motoyo, 4,820,549, Cl. 427-98.000.
Mori, Chuzo, to Carl Manufacturing Co., Ltd. Index device. 4,827,641, 5-9-89, Cl. 40-376.000.
Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouchi; and Minezawa, Morio, to Toyota Jidosha Kabushiki Kaisha. Fuel tank for use in a vehicle. 4,809,865, 3-7-89, Cl. 220-86.00R.
Mori, Eiji: *See—*
Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.
Mori, Fumihiko: *See—*
Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.
Mori, Fumio: *See—*
Higashinakagawa, Emiko; Ohtake, Yasuhisa; Kanto, Masaharu; and Mori, Fumio, 4,846,747, Cl. 445-47.000.
Sugai, Shinzo; and Mori, Fumio, 4,864,188, Cl. 313-402.000.
Mori, Gianluigi, to Erga S.r.l. Key-holder with incorporated telescopic writing means. 4,833,902, 5-30-89, Cl. 70-456.00R.
Mori, Haruhisa; and Nakano, Motoo, to Fujitsu Limited. Disk interchangeable target mechanism with effective cooling means, for ion implantation system. 4,806,769, 2-21-89, Cl. 250-443.100.
Mori, Haruhisa, to Fujitsu Limited. Method of producing a semiconductor device. 4,889,820, 12-26-89, Cl. 437-29.000.
Mori, Haruhisa: *See—*
Kaneta, Hiroshi; Ogawa, Tsutomu; Mori, Haruhisa; and Wada, Kunihiko, 4,803,884, Cl. 73-598.000.
Mori, Haruki: *See—*
Yokoyama, Tatsuro; Mori, Haruki; Arita, Masanobu; and Kojima, Atsushi, 4,868,292, Cl. 536-18.500.
Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, to Nippon Telegraph & Telephone Corporation. Method for halide VPE of III-V compound semiconductors. 4,808,551, 2-28-89, Cl. 437-81.000.
Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, to Nippon Telegraph & Telephone Corporation. Epitaxial growth method and apparatus therefor. 4,848,273, 7-18-89, Cl. 118-729.000.
Mori, Hideki: *See—*
Ueda, Minoru; Matsuda, Hideaki; and Mori, Hideki, 4,888,403, Cl. 527-103.000.
Mori, Hideo: *See—*
Ikeda, Hayato; Mori, Hideo; and Mizutani, Toshinari, 4,867,650, Cl. 417-269.000.
Ochiai, Hideo; Ohno, Kiyoshi; Iwao, Eiichi; and Mori, Hideo, 4,800,980, Cl. 180-225.000.
Mori, Hideshi: *See—*
Kato, Hisaaki; and Mori, Hideshi, 4,852,341, Cl. 57-328.000.
Mori, Hideyasu: *See—*
Tsurusaki, Masayuki; Wakabayashi, Tamotsu; Mano, Hiroshi; and Mori, Hideyasu, 4,852,158, Cl. 379-393.000.
Mori, Hiroaki: *See—*
Saito, Tatsuhiko; Takabatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, 4,828,395, Cl. 366-143.000.
Mori, Hiromi; Matsunaga, Satoshi; Kobayashi, Kuniko; Hyosu, Yoshihiko; and Imai, Eiichi, to Canon Kabushiki Kaisha. Process for producing toner by suspension polymerization method. 4,804,619, 2-14-89, Cl. 430-137.000.
Mori, Hiromi: *See—*
Hyosu, Yoshihiko; Ikeda, Takeshi; Kanda, Hitoshi; Mori, Hiromi; Kawakami, Hiroaki; and Kobayashi, Kuniko, 4,816,366, Cl. 430-137.000.
Hyosu, Yoshihiko; Mori, Hiromi; and Imai, Eiichi, 4,845,007, Cl. 430-137.000.
Mori, Hiroshi: *See—*
Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyotaka; and Mori, Hiroshi, 4,872,958, Cl. 204-98.000.
Mori, Hiroyuki: *See—*
Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuo; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.
Kubota, Tooru; and Mori, Hiroyuki, 4,873,579, Cl. 358-471.000.
Mori, Ikuo, to Fuji Xerox Co., Ltd. Toner layer forming device. 4,799,086, 1-17-89, Cl. 355-3.0DD.

Mori, Issei, to Kabushiki Kaisha Toshiba. X-ray CT apparatus. 4,858,129, 8-15-89, Cl. 364-413.140.
Mori, Issei; and Yoshida, Tadatoki, to Kabushiki Kaisha Toshiba. Method and system for dynamic computed tomography scanning at cyclic displacement points. 4,868,747, 9-19-89, Cl. 364-413.180.
Mori, Junko: *See—*
Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, 4,860,372, Cl. 382-13.000.
Mifune, Toshimi; Morooka, Yasuo; Shojima, Hiroshi; Mori, Junko; and Fukunaga, Yasushi, 4,878,249, Cl. 382-13.000.
Mori, Katsuhiro: *See—*
Kito, Masahiro; Mori, Katsuhiro; and Mitsumoto, Takashi, 4,798,242, Cl. 165-103.000.
Mori, Katsuhisa: *See—*
Tanaka, Tsuneo; and Mori, Katsuhisa, 4,799,514, Cl. 137-625.230.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, to Toyota Jidosha Kabushiki Kaisha. Dispersion strengthened copper-base alloy. 4,818,307, 4-4-89, Cl. 148-414.000.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, to Toyota Jidosha Kabushiki Kaisha. Laser process for forming dispersion alloy layer from powder on metallic base. 4,832,982, 5-23-89, Cl. 427-53.100.
Mori, Kazuhiko: *See—*
Matsuda, Shigeki; Mori, Kazuhiko; Gotou, Wataru; and Ohnuki, Takahiro, 4,880,476, Cl. 148-253.000.
Mori, Kazuhiro: *See—*
Itemadani, Eiji; Murakami, Shuichi; and Mori, Kazuhiro, 4,825,536, Cl. 29-620.000.
Maruyama, Masahiro; Mori, Kazuhiro; Itemadani, Eiji; and Hasegawa, Mikio, 4,807,356, Cl. 29-740.000.
Mori, Kazuo: *See—*
Yasuda, Tomio; Aoki, Kohji; and Mori, Kazuo, 4,881,456, Cl. 98-2.010.
Mori, Kei. Solar ray energy radiating device for use in medical treatment. 4,794,925, 1-3-89, Cl. 128-397.000.
Mori, Kei. Solar ray energy radiation device for use in medical treatment. 4,796,967, 1-10-89, Cl. 350-96.100.
Mori, Kei. Flying object for collecting solar rays. 4,799,629, 1-24-89, Cl. 244-23.00C.
Mori, Kei. Bed employed for light bathing. 4,802,066, 1-31-89, Cl. 362-32.000.
Mori, Kei. Light ray radiation device for use in medical treatment. 4,804,240, 2-14-89, Cl. 350-96.100.
Mori, Kei. Solar ray collecting device. 4,809,675, 3-7-89, Cl. 126-425.000.
Mori, Kei. Device and a method of directing light energy to a predetermined area in the sea. 4,815,815, 3-28-89, Cl. 350-96.240.
Mori, Kei. Optical radiator. 4,822,123, 4-18-89, Cl. 350-96.100.
Mori, Kei. Visible light ray radiation device for use in medical treatment. 4,838,271, 6-13-89, Cl. 128-398.000.
Mori, Kei. Sash plate used for inserting a cable. 4,841,694, 6-27-89, Cl. 52-198.000.
Mori, Kei. Light ray radiation device for use in medical treatment of the nose and throat passages. 4,842,356, 6-27-89, Cl. 350-96.100.
Mori, Kei; and Hara, Kazuyoshi, to Kei Mori. Light ray radiation stand. 4,843,530, 6-27-89, Cl. 362-413.000.
Mori, Kei. Light rays radiation device for medical treatment. 4,844,069, 7-4-89, Cl. 128-396.000.
Mori, Kei. Solar ray energy radiation device for use in medical treatment. 4,844,579, 7-4-89, Cl. 350-96.100.
Mori, Kei. Light focusing lens with centrally disposed light intercepting member. 4,844,598, 7-4-89, Cl. 350-409.000.
Mori, Kei; and Kosugi, Isao, to Mori, Kei. Lens-holding apparatus. 4,846,554, 7-11-89, Cl. 350-252.000.
Mori, Kei. Rainbow creating device. 4,849,866, 7-18-89, Cl. 362-327.000.
Mori, Kei. Fire alarm system. 4,851,823, 7-25-89, Cl. 340-691.000.
Mori, Kei. Light ray radiation device for administering oral medical treatment to diseased gums. 4,852,549, 8-1-89, Cl. 128-395.000.
Mori, Kei. Light ray radiation device for use in the medical treatment of the ear. 4,865,035, 9-12-89, Cl. 128-398.000.
Mori, Kei; and Kosugi, Isao, to Mori, Kei. Mechanism for positioning the light-receiving end of an optical conductor cable at the focal position of a lens. 4,875,749, 10-24-89, Cl. 350-96.180.
Mori, Keichiro: *See—*
Takeuchi, Eizo; Miyoshi, Hisamitsu; and Mori, Keichiro, 4,845,972, Cl. 72-370.000.
Mori, Keiji; and Ishii, Osami, to Fuji Photo Film Co., Ltd. Rotary head assembly with rigid adhesive bonding pole tips. 4,796,114, 1-3-89, Cl. 360-84.000.
Mori, Keiji, to Aisin Seiki Kabushiki Kaisha. Driving cable connection. 4,852,422, 8-1-89, Cl. 74-502.600.
Mori, Keiji: *See—*
Katagiri, Shingo; Mori, Keiji; and Asai, Masahiko, 4,840,326, Cl. 242-199.000.
Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.
Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, 4,806,725, Cl. 219-216.000.
Tori, Nozomu; Mori, Keiji; and Kogita, Hidekazu, 4,832,477, Cl. 350-637.000.
Mori, Keisuke: *See—*
Arai, Eiichi; Mori, Keisuke; and Makino, Takao, 4,809,311, Cl. 378-110.000.

Mori, Ken-ichi: *See—*
Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, 4,803,375, Cl. 250-578.000.
Mori, Kenji; and Tsuji, Masahiro, to Nisshin Flour Milling Co., Ltd. Optically active carbacyclin intermediates and processes for the preparation thereof. 4,814,468, 3-21-89, Cl. 549-336.000.
Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Nagasawa, Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Sohichi, to Kanebo Ltd. Proteinaceous emulsifier, process for preparing same and emulsion type cosmetic compositions containing same. 4,826,818, 5-2-89, Cl. 514-21.000.
Mori, Kenji; and Tsuji, Masahiro, to Nisshin Flour Milling Co., Ltd. Optically active bicyclo[3.3.0]octane and processes for the preparation thereof. 4,871,869, 10-3-89, Cl. 556-436.000.
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Mori, Kenji: *See—*
Aburatani, Masakazu; Takeuchi, Tadashi; and Mori, Kenji, 4,861,875, Cl. 540-114.000.
Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, 4,835,292, Cl. 549-423.000.
Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, 4,864,056, Cl. 560-179.000.
Takeda, Masatoshi; Ikeda, Kazuo; Tominaga, Yoshiharu; and Mori, Kenji, 4,812,669, Cl. 307-105.000.
Tsuji, Yoshiomi; Maruyama, Ichiro; Mori, Kenji; and Nishikawa, Souji, 4,846,603, Cl. 405-115.000.
Mori, Kenjiro: *See—*
Nakayama, Yoshiyuki; Yanagi, Kunihiro; and Mori, Kenjiro, 4,806,919, Cl. 340-721.000.
Mori, Kentaro: *See—*
Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.
Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, to Hitachi, Ltd. Method and apparatus for testing a distributed computer system. 4,803,683, 2-7-89, Cl. 371-19.000.
Mori, Kinji; Miyamoto, Shoji; and Shiraha, Takeshi, to Hitachi, Ltd. Fault diagnostic distributed processing method and system. 4,872,165, 10-3-89, Cl. 371-11.200.
Mori, Kinji: *See—*
Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.
Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kasashima, Hirokazu; and Kawakami, Setsuo, 4,831,512, Cl. 364-200.000.
Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.
Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,811,009, Cl. 340-825.050.
Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,829,516, Cl. 370-88.000.
Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.
Mori, Kinya: *See—*
Shimomura, Yozo; Mori, Kinya; and Kojima, Osamu, 4,871,805, Cl. 525-98.000.
Mori, Kiyomi: *See—*
Nakano, Toshihiko; Hayashi, Toshihiro; Nogi, Kenroku; and Mori, Kiyomi, 4,866,605, Cl. 364-200.000.
Mori, Kohji: *See—*
Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.
Mori, Kunio: *See—*
Nakamura, Yoshiro; Mori, Kunio; Okumura, Minoru; Mochida, Yoshio; and Miyazaki, Matsuo, 4,801,394, Cl. 252-75.000.
Sasaki, Yutaka; Nakamura, Yoshimi; Utsumi, Hiroshi; and Mori, Kunio, 4,826,802, Cl. 502-206.000.
Mori, Kunitaka, to NEC Corporation. Reading circuit in an optical disk apparatus. 4,890,275, 12-26-89, Cl. 369-59.000.
Mori, Makoto: *See—*
Hanazawa, Hideaki; Mori, Makoto; Sasaki, Katsumi; and Inagaki, Katsumi, 4,812,327, Cl. 427-388.400.
Mori, Masaaki; and Okada, Chiharu, to Ricoh Company, Ltd. Pattern memory for use in thermal recording. 4,827,288, 5-2-89, Cl. 346-76.0PH.
Mori, Masaaki, to Ricoh Co., Ltd. System for driving a thermal print head for constant dot density. 4,845,520, 7-4-89, Cl. 346-76.0PH.
Mori, Masaharu, to Brother Kogyo Kabushiki Kaisha. Typewriter with a correction function. 4,820,063, 4-11-89, Cl. 400-76.000.
Mori, Masaharu; and Takenaka, Sae, to Brother Kogyo Kabushiki Kaisha. Matrix switching apparatus for preventing pseudo input. 4,821,033, 4-11-89, Cl. 340-825.790.
Mori, Masaharu; Ueno, Hideo; Yamakawa, Kiyoshi; Kawakami, Yuji; and Sasaki, Ryoichi, to Brother Kogyo Kabushiki Kaisha. Typewriter having means for interruption of automatic erasing operation, and/or automatic suspension thereof at each space between successive words. 4,834,566, 5-30-89, Cl. 400-697.000.
Mori, Masaharu, to Brother Kogyo Kabushiki Kaisha. Typewriter for format printing. 4,848,940, 7-18-89, Cl. 400-64.000.

Mori, Masaharu; and Hamatsu, Masahiro, to Clarion Co., Ltd. Spread spectrum communicating method. 4,866,735, 9-12-89, Cl. 375-1.000.
Mori, Masaharu, to Clarion Co., Ltd. Spread spectrum receiver. 4,875,221, 10-17-89, Cl. 375-1.000.
Mori, Masaharu: *See—*
Akazawa, Shigeo; Mori, Masaharu; and Hamatsu, Masahiro, 4,866,734, Cl. 375-1.000.
Hamatsu, Masahiro; and Mori, Masaharu, 4,847,861, Cl. 375-1.000.
Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, to Fujitsu Limited. Slice amplifier using FET's. 4,816,699, 3-28-89, Cl. 307-268.000.
Mori, Masakazu: *See—*
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,803,384, Cl. 307-490.000.
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,813,048, Cl. 372-38.000.
Mori, Masami: *See—*
Mizuno, Hisayoshi; and Mori, Masami, 4,824,070, Cl. 249-93.000.
Mori, Masanori: *See—*
Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,861,323, Cl. 474-260.000.
Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,883,448, Cl. 474-260.000.
Mori, Masaru: *See—*
Shinkawa, Kiyoshi; Kawahara, Takeshi; Hayakawa, Hideki; and Mori, Masaru, 4,799,162, Cl. 364-436.000.
Mori, Masayuki: *See—*
Iwasa, Masao; Kito, Yasutami; and Mori, Masayuki, 4,870,334, Cl. 318-432.000.
Mori, Miki: *See—*
Saito, Masayuki; Niitsuma, Akira; Ohdaira, Hirosi; Tanuma, Chiaki; and Mori, Miki, 4,857,482, Cl. 437-209.000.
Mori, Mikio. Overcasting attachment for use with a sewing machine. 4,884,518, 12-5-89, Cl. 112-162.000.
Mori, Mitsuhiro: *See—*
Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, 4,804,726, Cl. 526-124.000.
Mori, Mitsuo: *See—*
Kaneko, Yasuhiro; Masuzawa, Tokihiko; Takesue, Masatoshi; and Mori, Mitsuo, 4,815,807, Cl. 350-96.180.
Mori, Mituyoshi, to Kabushiki Kaisha Daikin Seisakusho. Thrust force reduction device for torque converter. 4,841,729, 6-27-89, Cl. 60-361.000.
Mori, Natsuki: *See—*
Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, 4,857,468, Cl. 435-280.000.
Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, to Fuji Photo Film Co., Ltd.; and JEOL Ltd. Transmission-type electron microscope. 4,801,801, 1-31-89, Cl. 250-327.200.
Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, to Fuji Photo Film Co., Ltd.; and Jeol Ltd. Electron microscope. 4,810,886, 3-7-89, Cl. 250-311.000.
Mori, Nobufumi, to Fuji Photo Film Co., Ltd. Apparatus for recording images produced by an electron microscope. 4,847,497, 7-11-89, Cl. 250-327.200.
Mori, Nobufumi; Hosoi, Yuichi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Electron beam image recording using stimulable phosphor sheets of reduced thickness and/or with no protective layer. 4,851,676, 7-25-89, Cl. 250-327.200.
Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, to Fuji Photo Film Co., Ltd.; and Jeol Ltd. Electron microscope image output method and apparatus. 4,873,440, 10-10-89, Cl. 250-327.200.
Mori, Nobufumi: *See—*
Arakawa, Satoshi; Waki, Masaharu; and Mori, Nobufumi, 4,863,826, Cl. 430-138.000.
Hosoi, Yuichi; Takahashi, Kenji; and Mori, Nobufumi, 4,851,677, Cl. 250-327.200.
Hosoi, Yuichi; Takahashi, Kenji; Mori, Nobufumi; and Noguchi, Masaru, 4,866,274, Cl. 250-327.200.
Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.
Mori, Nobuo; Takeuchi, Terumasa; and Kiyohara, Hiroshi, to CKD Corporation. Axial air motor. 4,805,516, 2-21-89, Cl. 91-503.000.
Mori, Nobuo: *See—*
Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
Mori, Nobuyuki: *See—*
Sugimoto, Noritsugu; Mori, Nobuyuki; Nakamura, Shozi; and Wada, Fusazo, 4,888,223, Cl. 428-34.900.
Mori, Ryoichi: *See—*
Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
Mori, Ryuichiro; Fukudome, Katsuyuki; and Banjo, Toshinobu, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,857,989, 8-15-89, Cl. 357-80.000.
Mori, Ryuichiro; Osaka, Syuichi; and Banjo, Toshinobu, to Mitsubishi Denki Kabushiki Kaisha. Die bonding apparatus. 4,878,610, 11-7-89, Cl. 228-6.200.
Mori, Ryuichiro; Akiyama, Tatsuhiko; and Fukudome, Katsuyuki, to Mitsubishi Denki Kabushiki Kaisha. Resin-encapsulated semiconductor device. 4,884,124, 11-28-89, Cl. 357-72.000.
Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, to Shionogi & Co. Ltd. Prostacyclin (PGI_2) analogues. 4,820,836, 4-11-89, Cl. 548-512.000.
Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, to Shionogi & Co. Ltd. Prostacyclin (PGI_2) analogues. 4,855,449, 8-8-89, Cl. 548-512.000.
Mori, Sadao: *See—*
Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.
Mori, Sanae, to Daido Metal Company Ltd. Thrust bearing. 4,795,220, 1-3-89, Cl. 384-420.000.
Mori, Sanae, to Daido Metal Company Ltd. Method of making overlay alloy used for a surface layer of sliding material. 4,832,801, 5-23-89, Cl. 204-37.300.
Mori, Satoshi, to Mitsubishi Denki Kabushiki Kaisha. Driving circuit for cascode BiMOS switch. 4,798,983, 1-17-89, Cl. 307-570.000.
Mori, Satoshi; and Majumdar, Gourab, to Mitsubishi Denki Kabushiki Kaisha. Electrically isolated MOSFET drive circuit. 4,880,995, 11-14-89, Cl. 307-270.000.
Mori, Seiichi, to Kabushiki Kaisha Toshiba. Ultraviolet erasable non-volatile semiconductor memory device. 4,847,667, 7-11-89, Cl. 357-23.500.
Mori, Seiichiro: *See—*
Kokubo, Yasushi; Suzuki, Keisuke; and Mori, Seiichiro, 4,871,912, Cl. 250-311.000.
Tomita, Ken; and Mori, Seiichiro, 4,880,977, Cl. 205-311.000.
Mori, Seiji; Sonoda, Toshinari; and Kinoshita, Yusuke, to Honda Giken Kogyo Kabushiki Kaisha. Internal combustion engine. 4,856,486, 8-15-89, Cl. 123-572.000.
Mori, Shigeki; Kobayashi, Katsuyuki; Taniishi, Shinnosuke; and Yamamoto, Kousuke, to Canon Kabushiki Kaisha. Coordinates input apparatus. 4,887,245, 12-12-89, Cl. 367-129.000.
Mori, Shigeki: *See—*
Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.
Mori, Shigeo: *See—*
Chujo, Noboru; and Mori, Shigeo, 4,845,186, Cl. 528-272.000.
Watanabe, Akihiro; and Mori, Shigeo, 4,814,551, Cl. 174-189.000.
Mori, Shigeru; and Takahashi, Takayuki, to Shin-Etsu Chemical Co. Ltd. Adhesive grease composition comprising a random copolymer of ethylene and an alpha-olefin. 4,840,739, 6-20-89, Cl. 252-17.000.
Mori, Shigeru; and Sugita, Toshikazu, to Shin-Etsu Chemical Co., Ltd. Silicone grease composition. 4,842,753, 6-27-89, Cl. 252-42.700.
Mori, Shigeru: *See—*
Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; and Sakurai, Soichi, 4,824,224, Cl. 350-432.000.
Fukuda, Kyohei; Sakurai, Soichi; Hirata, Koji; and Mori, Shigeru, 4,884,879, Cl. 350-432.000.
Okamura, Yoshio; Kumagae, Kimitaka; Itoh, Hideyuki; and Mori, Shigeru, 4,868,063, Cl. 428-429.000.
Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, 4,870,620, Cl. 365-222.000.
Mori, Shigetaka: *See—*
Saita, Eiichi; Mori, Shigetaka; and Mori, Akihiko, 4,847,103, Cl. 426-445.000.
Mori, Shinichi, to Yokohama Rubber Co., Ltd., The. Pneumatic tire tread pattern with lateral grooves having increasing groove angle towards shoulders. 4,884,607, 12-5-89, Cl. 152-209.00R.
Mori, Shinichi: *See—*
Kobayashi, Kenichi; and Mori, Shinichi, 4,848,431, Cl. 152-548.000.
Mori, Shinji, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Acceleration sensor for webbing retractor. 4,844,374, 7-4-89, Cl. 242-107.40A.
Mori, Shinji: *See—*
Sato, Koki; and Mori, Shinji, 4,869,439, Cl. 242-107.40R.
Mori, Shinsaku: *See—*
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,989, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,990, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,860,770, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,873,995, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,884,580, Cl. 128-804.000.
Mori, Shoichi: *See—*
Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fuji, Shigeo, 4,865,733, Cl. 210-266.000.
Mori, Shojiro, to Kabushiki Kaisha Toshiba. Transfer circuit for operation test of LSI systems. 4,799,004, 1-17-89, Cl. 324-73.00R.
Mori, Shunji: *See—*
Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
Mori, Shuri: *See—*
Yabe, Nobol; Hirata, Kazumasa; Mori, Shuri; and Yamauchi, Ken, 4,809,078, Cl. 358-236.000.
Mori, Shuuichi: *See—*
Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.
Mori, Taiichi: *See—*
Saito, Kazuhiro; and Mori, Taiichi, 4,846,948, Cl. 204-192.200.

Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Rolling roll with variable profile and of the tapered piston type. 4,837,906, 6-13-89, Cl. 29-112.000.
Mori, Takaaki: *See—*
Ito, Toshiyasu; Mori, Takaaki; Minoura, Jun; and Adachi, Mikio, 4,832,468, Cl. 350-357.000.
Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.
Mori, Takanobu: *See—*
Takahashi, Yoshinobu; Hibino, Ikukazu; Mori, Takanobu; and Ogata, Kentaro, 4,844,783, Cl. 204-180.200.
Mori, Takaro; and Yamada, Yasuhiro, to Victor Company of Japan, Ltd. Rotary head type digital signal recording and reproducing apparatus. 4,837,641, 6-6-89, Cl. 360-32.000.
Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and Suwa, Kyoichi, to Nikon Corporation. Projection-exposing apparatus. 4,806,987, 2-21-89, Cl. 355-53.000.
Mori, Takashi: *See—*
Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Doi, Masaharu; and Suematsu, Tetsuya, 4,877,498, Cl. 204-86.000.
Koga, Hiroshi; Mori, Takashi; Dan, Takashi; and Akima, Michitaka, 4,816,479, Cl. 514-455.000.
Sasaki, Eiichi; Mori, Takashi; and Watanabe, Tetsuo, 4,890,120, Cl. 346-76.0PH.
Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masaoka, Toshio; Mori, Takashi; and Okimoto, Kazutaka, 4,852,633, Cl. 164-437.000.
Mori, Tamotsu; and Yasuda, Makoto, to Matsushita Electric Works, Ltd. Remotely controllable circuit breaker. 4,879,535, 11-7-89, Cl. 335-14.000.
Mori, Tamotsu: *See—*
Hosoda, Naoyuki; Tanaka, Masayuki; and Mori, Tamotsu, 4,885,135, Cl. 420-507.000.
Kikuchi, Katsuji; Nakao, Haruki; and Mori, Tamotsu, 4,854,833, Cl. 417-417.000.
Mori, Taro: *See—*
Suga, Nagaichi; Sasho, Yoshio; and Mori, Taro, 4,809,514, Cl. 62-138.000.
Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, to Sumitomo Chemical Company Ltd. Fungicidal substituted carboxylic acid derivatives. 4,877,441, 10-31-89, Cl. 71-90.000.
Mori, Teruo: *See—*
Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.
Mori, Tetsuya; and Tamazumi, Hitoshi, to Elze Company, Ltd. Solvent recovery system. 4,800,655, 1-31-89, Cl. 34-77.000.
Mori, Tetsuzo: *See—*
Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.
Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,796,301, Cl. 455-607.000.
Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, 4,882,776, Cl. 455-617.000.
Mori, Tokio: *See—*
Fuyama, Seiji; Mori, Tokio; Kodama, Mitsuhiro; Minato, Takashi; and Takaoka, Yasuhiro, 4,843,547, Cl. 364-405.000.
Mori, Toru, to Oki Electric Industry Co., Ltd. Transaction processing system. 4,877,947, 10-31-89, Cl. 235-381.000.
Mori, Toshihiko: *See—*
Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, 4,825,250, Cl. 355-14.00R.
Yokoyama, Naoki; and Mori, Toshihiko, 4,849,934, Cl. 365-159.000.
Mori, Toshihiro; and Ohyagi, Takashi, to NEC Corporation. Pager receiver capable of controlling an internal state by a call signal. 4,839,641, 6-13-89, Cl. 340-825.470.
Mori, Toshihiro; Oda, Takashi; and Ohyagi, Takashi, to NEC Corporation. Multifunctional pager receiver capable of reducing the member of manual switches. 4,857,911, 8-15-89, Cl. 340-825.440.
Mori, Toshihiro; and Oyagi, Takashi, to NEC Corporation. Paging receiver with a capability of receiving or inhibiting message data. 4,870,403, 9-26-89, Cl. 340-825.440.
Mori, Toshihiro: *See—*
Matai, Masahiro; Ohyagi, Takashi; and Mori, Toshihiro, 4,873,519, Cl. 340-825.440.
Minata, Shigeki; and Mori, Toshihiro, 4,840,571, Cl. 439-76.000.
Yoshizawa, Shigeo; Ohyagi, Takashi; Oda, Takashi; and Mori, Toshihiro, 4,855,731, Cl. 340-825.440.
Mori, Toshihito: *See—*
Watanabe, Isamu; Kamiya, Kazuhiro; Torii, Takahiro; and Mori, Toshihito, 4,855,287, Cl. 514-41.000.
Mori, Toshiki; Yamada, Haruyasu; Aono, Kunitoshi; and Maruyama, Masakatsu, to Matsushita Electric Industrial Co., Ltd. Image signal processor. 4,845,767, 7-4-89, Cl. 382-41.000.
Mori, Toshiki: *See—*
Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi; and Fujita, Yoshiji, 4,886,916, Cl. 568-34.000.
Suzuki, Shigeaki; Mori, Toshiki; Onishi, Takashi; and Fujita, Yoshiji, 4,827,056, Cl. 570-189.000.
Mori, Toshio: *See—*
Kojimoto, Susumu; Nii, Fumio; and Mori, Toshio, 4,802,305, Cl. 47-57.600.
Mori, Toshiyasu: *See—*
Matsumoto, Katsumi; Kunii, Hideo; Yamamoto, Hideki; and Mori, Toshiyasu, 4,847,696, Cl. 358-335.000.
Mori, Yasuharu: *See—*
Tokuno, Masateru; Sawata, Tetsuya; and Mori, Yasuharu, 4,798,110, Cl. 83-13.000.
Mori, Yasukazu: *See—*
Nakayama, Hisanobu; Nakashima, Shouzaburo; Shimoyama, Yoshiaki; and Mori, Yasukazu, 4,797,167, Cl. 148-111.000.
Mori, Yasumasa, to Chikuma Kouki Co., Ltd. Multi-color luminous stirrer. 4,854,712, 8-8-89, Cl. 366-129.000.
Mori, Yasushi, to Nissan Motor Company, Limited. Shift shock alleviating system for automatic transmission. 4,868,753, 9-19-89, Cl. 364-424.100.
Mori, Yasushi: *See—*
Gemma, Nobuhiro; Miura, Akira; Mizushima, Koichi; Azuma, Makoto; and Mori, Yasushi, 4,871,236, Cl. 350-355.000.
Mori, Yoichi; Abiko, Shigeo; Tsuda, Mikio; and Ichijo, Chikara, to Toray Industries, Inc. Printing plate. 4,853,313, 8-1-89, Cl. 430-156.000.
Mori, Yoichi: *See—*
Fukunaga, Akira; and Mori, Yoichi, 4,861,578, Cl. 423-240.000.
Mori, Yoji; Kawamura, Yoshiaki; Matsumoto, Hironori; and Takemura, Yasuhiko, to Japan Synthetic Rubber Co., Ltd. Oil-resistant rubber composition. 4,849,478, 7-18-89, Cl. 525-211.000.
Mori, Yoji: *See—*
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,876,952, Cl. 98-121.200.
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi, Torimi, Akira; and Mori, Yoji, 4,887,522, Cl. 98-40.200.
Mori, Yoshiaki: *See—*
Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, 4,798,532, Cl. 432-210.000.
Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, 4,824,362, Cl. 432-13.000.
Takagi, Horoshi; Mori, Yoshiaki; and Sakabe, Yukio, 4,800,459, Cl. 361-321.000.
Mori, Yoshifumi: *See—*
Ishibashi, Akira; Mori, Yoshifumi; and Itabashi, Masao, 4,835,579, Cl. 357-4.000.
Ishibashi, Akira; Funato, Kenji; and Mori, Yoshifumi, 4,888,622, Cl. 357-5.000.
Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, to Denki Kagaku Kogyo Kabushiki Kaisha. Thermionic cathode structure. 4,878,866, 11-7-89, Cl. 445-36.000.
Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Carbon black-graft polymer, method for production thereof, and use thereof. 4,880,857, 11-14-89, Cl. 523-205.000.
Mori, Yoshimichi: *See—*
Wada, Toshimichi; Kuroda, Hiroshi; Ishikawa, Tomihisa; and Mori, Yoshimichi, 4,820,492, Cl. 422-111.000.
Mori, Yoshitada: *See—*
Narita, Hiroshi; Uemura, Minoru; and Mori, Yoshitada, 4,824,229, Cl. 350-531.000.
Mori, Yoshiteru: *See—*
Ohnishi, Kazuyuki; Okuda, Masakiyo; and Mori, Yoshiteru, 4,831,412, Cl. 355-233.000.
Ohnishi, Kazuyuki; Mori, Yoshiteru; and Okuda, Masakiyo, 4,875,072, Cl. 355-23.000.
Mori, Yuji: *See—*
Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.
Mori, Yusuke: *See—*
Nakadozono, Hiroshi; and Mori, Yusuke, 4,872,415, Cl. 116-288.000.
Mori, Yutaka: *See—*
Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo, Kodama, Kazumasa; and Matsumoto, Tsutomu, 4,858,134, Cl. 364-424.050.
Moriarty, Ann M.: *See—*
Thornton, George B.; Moriarty, Ann M.; Milich, David R.; and McLachlan, Alan, 4,818,527, Cl. 424-88.000.
Thornton, George B.; Moriarty, Ann M.; Milich, David R.; and McLachlan, Alan, 4,882,145, Cl. 424-88.000.
Moribe, Hiroshi, to Seal Industrial Co., Ltd. Method and device for sealing the mouth of a pouch. 4,866,914, 9-19-89, Cl. 53-479.000.
Moribe, Yoshihiro; Takahashi, Mikio; and Beppu, Osamu, to Hitachi, Ltd. Method for adjustably positioning a transducer for a disc drive. 4,825,313, 4-25-89, Cl. 360-77.020.
Morice, Jean; and Perrier, Jean-Jacques, to Aluminum Pechiney. Crucible for the thermal analysis of aluminum alloys using special crucible. 4,824,480, 4-25-89, Cl. 75-68.00R.
Moriconi, Andrea: *See—*
Crispoldi, Antonio; Moriconi, Andrea; and Chiappafreddo, Mario, 4,874,595, Cl. 423-397.000.
Moriconi, David P.: *See—*
Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.;

Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
Morie, Satsuki: *See—*
  Wakabayashi, Ataru; Umehara, Yohichi; Morie, Satsuki; Kuwahara, Ikuro; and Okada, Yoshimi, 4,874,483, Cl. 204-94.000.
Morie, Toshiya: *See—*
  Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.
Morifuji, Yasuo. Milking apparatus. 4,886,494, 12-12-89, Cl. 604-74.000.
Morifuki, Yaso, to Jex Co., Ltd. Milking equipment. 4,883,464, 11-28-89, Cl. 604-74.000.
Morigaki, Masakazu; and Seto, Nobuo, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,808,515, 2-28-89, Cl. 430-551.000.
Morigaki, Masakazu; and Seto, Nobuo, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,868,101, 9-19-89, Cl. 430-551.000.
Morigaki, Masakazu: *See—*
  Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
  Seto, Nobuo; and Morigaki, Masakazu, 4,864,039, Cl. 549-344.000.
Morigaki, Masamichi, to Omron Tateisi Electronics Co. Card guide device. 4,795,891, 1-3-89, Cl. 235-380.000.
Morigaki, Satoshi: *See—*
  Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.
Morigaki, Tadahiko: *See—*
  Miyazaki, Kenichi; and Morigaki, Tadahiko, 4,883,310, Cl. 296-210.000.
Moriguchi, Akihiko: *See—*
  Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguchi, Akihiko; and Ikeda, Yoshifumi, 4,889,857, Cl. 514-235.200.
Moriguchi, Haruhiko; and Toshiharu, Inui, to Fuji Xerox Co., Ltd. Multicolor printing method using rectangular dither matrices of different size, shape, and arrangement of threshold values to minimize overlap of differently colored inks at lower gradations. 4,809,063, 2-28-89, Cl. 358-75.000.
Moriguchi, Haruhiko: *See—*
  Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, 4,855,758, Cl. 346-76.0PH.
  Kuwabara, Nobuyuki; Hasegawa, Ko; Watanabe, Yuichi; and Moriguchi, Haruhiko, 4,870,428, Cl. 346-76.0PH.
Moriguchi, Koichi; Imani, Yuichi; and Kozaki, Tetsuji, to Nippondenso Co., Ltd. Stabilizer control system. 4,844,506, 7-4-89, Cl. 280-689.000.
Moriguchi, Kouichi: *See—*
  Kozaki, Tetsuji; Shimamoto, Mamoru; and Moriguchi, Kouichi, 4,834,419, Cl. 280-707.000.
Moriguchi, Sanseki: *See—*
  Fukuyama, Tatsuo; Okada, Toshihiko; Moriguchi, Sanseki; Kamiya, Yoshio; and Ogata, Eisuke, 4,820,405, Cl. 208-423.000.
Moriguchi, Seki: *See—*
  Terayama, Tsunehisa; Moriguchi, Seki; and Kubota, Toshifumi, 4,832,245, Cl. 227-130.000.
Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, to Showa Denko Kabushiki Kaisha; and Kawasumi Kagaku Kougiyou Kabushiki Kaisha. Adsorbent composed of porous beads of chitosan and adsorption method using same. 4,879,340, 11-7-89, Cl. 525-54.200.
Moriguchi, Teruhiko: *See—*
  Matsumoto, Osamu; Otani, Hichiro; Okaue, Yutaka; and Moriguchi, Teruhiko, 4,815,317, Cl. 73-118.100.
  Matsumoto, Osamu; Sumida, Mamoru; and Moriguchi, Teruhiko, 4,866,981, Cl. 73-118.100.
Moriguchi, Tetsuo: *See—*
  Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.
Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, to Hitachi, Ltd. Gasification process for coal gasification furnace and apparatus therefor. 4,806,131, 2-21-89, Cl. 48-210.000.
Morihara, Atsushi: *See—*
  Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
Morihara, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Inspecting apparatus for measuring sensors mounted on train. 4,817,019, 3-28-89, Cl. 364-550.000.
Morihara, Kenji: *See—*
  Honma, Hidetoshi; and Morihara, Kenji, 4,825,189, Cl. 246-166.100.
  Ochiai, Hajime; and Morihara, Kenji, 4,878,049, Cl. 371-5.500.
Morihiro, Yoshiharu; and Nishida, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Receiving set with playback function. 4,805,217, 2-14-89, Cl. 381-35.000.
Morihisa, Toshiharu: *See—*
  Sano, Yoshii; Totsu, Hideo; and Morihisa, Toshiharu, 4,841,563, Cl. 379-150.000.
Morii, Atsushi: *See—*
  Hashizaki, Katsuo; Koyanagi, Toshio; and Morii, Atsushi, 4,796,545, Cl. 110-216.000.
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
  Seto, Toru; Mitsuoka, Shigeaki; Morii, Atsushi; and Kobayashi, Norihisa, 4,857,276, Cl. 422-171.000.
Morii, Hiroaki, to NGK Spark Plug Co., Ltd. Sensor structure. 4,802,369, 2-7-89, Cl. 73-116.000.
Morii, Kensaku: *See—*
  Hirata, Atsuomi; Nakamura, Yoshihiko; and Morii, Kensaku, 4,868,638, Cl. 357-72.000.
Morii, Satoshi; Murata, Kunihiko; and Mitsui, Hiroyuki, to Brother Kogyo Kabushiki Kaisha. Workpiece holding device for a sewing machine. 4,821,659, 4-18-89, Cl. 112-121.150.
Morii, Seiji: *See—*
  Tokuda, Kuniaki; Morii, Seiji; and Yamanishi, Kazuhiko, 4,879,221, Cl. 435-15.000.
Morii, Shigeki; and Katayama, Keiichi, to Mitsubishi Jukogyo Kabushiki Kaisha. Control system for a magnetic type bearing. 4,795,927, 1-3-89, Cl. 310-90.500.
Morii, Shuji: *See—*
  Fujii, Satoru; Niyada, Katsuyuki; Morii, Shuji; and Watanabe, Taisuke, 4,885,791, Cl. 381-43.000.
Moriizumi, Hirokazu; and Nagamine, Hiroto, to Victor Company of Japan, Ltd. Magnetic recording mediums comprising a modified vinyl chloride resin binder in at least a magnetic recording layer. 4,868,046, 9-19-89, Cl. 428-323.000.
Moriizumi, Koichi: *See—*
  Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Moriizumi, Koichi, 4,887,137, Cl. 357-23.600.
Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, to Bridgestone Corporation. Conjugated diene series rubber compositions. 4,835,216, 5-30-89, Cl. 525-77.000.
Morikawa, Anri: *See—*
  Hidaka, Hiroyoshi; and Morikawa, Anri, 4,798,897, Cl. 546-139.000.
Morikawa, Asao: *See—*
  Kondo, Kazuo; Sukegawa, Tsuneyuki; and Morikawa, Asao, 4,801,067, Cl. 228-123.000.
  Kondo, Kazuo; Shiromizu, Hisaharu; Morikawa, Asao; and Sukegawa, Tsuneyuki, 4,810,528, Cl. 427-96.000.
  Kondo, Kazuo; Morikawa, Asao; and Iwata, Hiroshi, 4,837,408, Cl. 174-68.500.
  Kondo, Kazuo; Morikawa, Asao; Iwata, Hiroshi; and Shibata, Yoshimasa, 4,871,608, Cl. 428-209.000.
Morikawa, Atsushi: *See—*
  Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.
Morikawa, Hiroshi, to NEC Corporation. Method of making a field effect transistor with overlay gate structure. 4,839,304, 6-13-89, Cl. 437-39.000.
Morikawa, Juichi: *See—*
  Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
  Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; Zama, Hideo; and Morikawa, Juichi, 4,803,338, Cl. 360-122.000.
Morikawa, Kazumi: *See—*
  Honda, Masamitsu; Morikawa, Kazumi; and Endoh, Kohichi, 4,822,892, Cl. 548-402.000.
Morikawa, Kiyoshi: *See—*
  Takahashi, Akira; Kamimura, Testuro; Kawamura, Masahiko; Morikawa, Kiyoshi; and Onishi, Sei, 4,841,499, Cl. 369-38.000.
Morikawa, Koji, to Fuji Jukogyo Kabushiki Kaisha. Engine with variable compression ratio. 4,860,711, 8-29-89, Cl. 123-48.00D.
Morikawa, Kunihiko: *See—*
  Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takaton, Kazuhiro, 4,887,461, Cl. 73-118.100.
Morikawa, Michio; and Hayashi, Torahiko, to Rheon Automatic Machinery Co., Ltd. Apparatus for continuously producing at a substantially constant flow rate a strip dough of substantially uniform dimensions. 4,883,417, 11-28-89, Cl. 425-140.000.
Morikawa, Minoru: *See—*
  Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,857,460, Cl. 435-91.000.
  Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,879,230, Cl. 435-172.300.
Morikawa, Shigehiro: *See—*
  Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuchi; and Morikawa, Shigehiro, 4,857,700, Cl. 219-124.340.
Morikawa, Shigenori: *See—*
  Hanzawa, Kohtaro; Morikawa, Shigenori; and Nakamura, Kazuhisa, 4,864,625, Cl. 381-61.000.
Morikawa, Takashi; and Ikenoue, Yoshikazu, to Minolta Camera Kabushiki Kaisha. Method of controlling reproduction of image in bit-map controlled laser printer. 4,843,405, 6-27-89, Cl. 346-1.100.

Morikawa, Takeshi, to Minolta Camera Kabushiki Kaisha. Copying machine. 4,887,122, 12-12-89, Cl. 355-30.000.
Morikawa, Taketsune: *See—*
  Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.
Morikawa, Tuneo; Kabe, Kazuyuki; and Tsukada, Shuichi, to Yokohama Rubber Co., Ltd., The. Pneumatic tire. 4,856,573, 8-15-89, Cl. 152-556.000.
Morikawa, Tuneo: *See—*
  Hanada, Ryoji; Morikawa, Tuneo; and Kabe, Kazuyuki, 4,872,497, Cl. 152-541.000.
Moriki, Yasumitsu; Numakura, Hirotomo; and Sakurai, Masahiro, to Maruma Jyusharyo Kabushiki Kaisha. Slag removing apparatus for pad-welding machine. 4,805,826, 2-21-89, Cl. 228-18.000.
Moriki, Yasumitsu, to Maruma Jyusharyo Kabushiki Kaisha. Automatic build-up welding machine for track rollers. 4,869,417, 9-26-89, Cl. 228-7.000.
Moriki, Yasumitsu; and Numakura, Hirotomo, to Maruma Jyusharyo Kabushiki Kaisha. Assembly apparatus for truck links. 4,881,365, 11-21-89, Cl. 59-7.000.
Morimitsu, Toshihiko; Kikkawa, Sadanobu; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Red or bluish-red fiber-reactive monoazo compound having 7-substituted amino-1-naphthol-sulfonic acid as coupling component between the chromophore and fiber reactive portions of the compound. 4,837,310, 6-6-89, Cl. 534-638.000.
Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Fiber reactive monoazo compounds having two vinylsulfone type fiber reactive groups in the molecule. 4,841,032, 6-20-89, Cl. 534-642.000.
Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Reactive red monoazo dye compound having two vinylsulfone type fiber reactive groups. 4,841,033, 6-20-89, Cl. 534-642.000.
Morimitsu, Toshihiko; Harada, Naoki; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Fiber reactive compound having sym-triazine and aminobenzoylamine moieties. 4,879,372, 11-7-89, Cl. 534-618.000.
Morimitsu, Toshihiko: *See—*
  Omura, Takashi; Kikkawa, Sadanobu; Morimitsu, Toshihiko; Harada, Naoki; and Miyamoto, Tetsuya, 4,873,321, Cl. 534-642.000.
Morimoto, Akio: *See—*
  Nakagawa, Katsuji; Itoh, Masaki; Morimoto, Akio; and Sakai, Mitsuru, 4,839,208, Cl. 428-64.000.
Morimoto, Akira; Saito, Taizo; and Nakatsue, Takehiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Apparatus for adjusting light beam direction. 4,850,686, 7-25-89, Cl. 350-484.000.
Morimoto, Akira; Choh, Nobuo; and Noguchi, Noriyoshi, to Takeda Chemical Industries, Ltd. Tricyclic penam compounds, their production and their use. 4,876,251, 10-24-89, Cl. 514-193.000.
Morimoto, Akira: *See—*
  Natsugari, Hideaki; Kawano, Yasuhiko; Morimoto, Akira; and Yoshioka, Kouichi, 4,851,422, Cl. 514-370.000.
Morimoto, Chikao: *See—*
  Schlossman, Stuart; Morimoto, Chikao; and Rudd, Christopher, 4,882,424, Cl. 530-387.000.
Morimoto, Hideaki, to NEC Corporation. Radio transmission system having simplified error coding circuitry and fast channel switching. 4,862,457, 8-29-89, Cl. 371-8.000.
Morimoto, Hiroaki: *See—*
  Nishioka, Tadashi; Morimoto, Hiroaki; Mashiko, Yoji; and Koyama, Hiroshi, 4,843,238, Cl. 250-252.100.
  Nishioka, Tadashi; Mashiko, Yoji; Morimoto, Hiroaki; and Koyama, Hiroshi, 4,853,341, Cl. 437-24.000.
  Watakabe, Yaichiro; Morimoto, Hiroaki; and Okamoto, Tatsuo, 4,873,163, Cl. 430-5.000.
Morimoto, Hiromi: *See—*
  Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.
Morimoto, Hiroshi: *See—*
  Higo, Yakichi; and Morimoto, Hiroshi, 4,820,910, Cl. 235-439.000.
  Kotani, Matahira; Morimoto, Hiroshi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,809,080, Cl. 358-256.000.
  Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, 4,844,863, Cl. 419-8.000.
  Shirakoshi, Hiroshi; Kotani, Matahira; Matsumoto, Masafumi; and Morimoto, Hiroshi, 4,839,730, Cl. 358-294.000.
Morimoto, Hiroya: *See—*
  Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000.
Morimoto, Hiroyuki: *See—*
  Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
Morimoto, Hitoshi: *See—*
  Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
Morimoto, Ikuhisa: *See—*
  Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Morimoto, Ikuhisa; and Yamada, Tooru, 4,813,888, Cl. 429-583.000.
Morimoto, Isamu: *See—*
  Uesawa, Yutaka; and Morimoto, Isamu, 4,840,889, Cl. 430-597.000.
Morimoto, Iwao; and Sasaki, Hiroshi, to Toa Trading Co., Ltd. Method of controlling deactivation of denitrating catalyst. 4,831,942, 5-23-89, Cl. 110-345.000.
Morimoto, Katsuhiro: *See—*
  Takahashi, Akira; Shibahara, Kazuo; Morimoto, Katsuhiro; Samma, Hiromasa; and Kubo, Kazuhiko, 4,853,351, Cl. 501-87.000.
Morimoto, Katsushi: *See—*
  Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.
  Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.
  Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, 4,881,965, Cl. 71-92.000.
Morimoto, Kazuhisa: *See—*
  Miyazaki, Jinsei; Ando, Eiji; Yoshino, Kimiaki; and Morimoto, Kazuhisa, 4,845,021, Cl. 430-495.000.
Morimoto, Kazuo: *See—*
  Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.
Morimoto, Kenichi; and Tagawa, Takao, to Sharp Kabushiki Kaisha. Document reading apparatus with color filter. 4,855,818, 8-8-89, Cl. 358-75.000.
Morimoto, Kenichi; and Fujihara, Akiyoshi, to Sharp Kabushiki Kaisha. Developing unit for electrophotography with toner sensor. 4,868,601, 9-19-89, Cl. 355-208.000.
Morimoto, Kiyoshi; and Ishikawa, Takatoshi, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic materials and a color photographic developer composition comprising hydroxylamine and stabilizer. 4,800,153, 1-24-89, Cl. 430-380.000.
Morimoto, Kiyoshi; and Naruse, Hideaki, to Fuji Photo Film Co., Ltd. Process for producing silver halide color photographic materials comprising a heterocyclic developing agent. 4,851,325, 7-25-89, Cl. 430-372.000.
Morimoto, Kiyoshi; Iwamoto, Akikazu; Moriyama, Masuo; and Sonoda, Atsuroh, to Kyowa Hakko Kogyo Co., Ltd.; and Kabushiki Kaisha Matsui Seisakusho. High density pneumatic transport method for use in powder or granular material and system for practicing the method. 4,856,941, 8-15-89, Cl. 406-85.000.
Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, to Futaba Denshi Kogyo Kabushiki Kaisha. Flat type display device. 4,881,005, 11-14-89, Cl. 313-422.000.
Morimoto, Kiyoshi: *See—*
  Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.
  Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.
  Shibata, Kiyotaka; and Morimoto, Kiyoshi, 4,861,013, Cl. 271-119.000.
  Ueda, Shinji; and Morimoto, Kiyoshi, 4,804,618, Cl. 430-393.000.
Morimoto, Kunio: *See—*
  Kawai, Rie; Goto, Kanzen; and Morimoto, Kunio, 4,825,051, Cl. 235-379.000.
Morimoto, Makoto; and Kondo, Mikio, to Masushita Electric Works, Ltd. Infrared detector. 4,795,908, 1-3-89, Cl. 250-353.000.
Morimoto, Makoto: *See—*
  Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.
  Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,820,824, Cl. 548-422.000.
  Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.
  Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,822,882, Cl. 544-342.000.
  Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.
  Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.
  Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, 4,863,935, Cl. 514-322.000.
Morimoto Mfg. Co., Ltd.: *See—*
  Kawai, Hironao; Fukui, Shigetoshi; and Ikeda, Kenji, 4,860,676, Cl. 112-121.140.
Morimoto, Masamichi; Okumura, Kazumasa; and Okahashi, Yoshikazu, to Matsushita Electric Industrial Co., Ltd. Electronic parts recognition method and apparatus therefore. 4,847,911, 7-11-89, Cl. 382-8.000.
Morimoto, Masamichi: *See—*
  Okada, Takao; and Morimoto, Masamichi, 4,813,016, Cl. 365-107.000.

Ueda, Hideshi; Okumura, Kazumasa; Morimoto, Masamichi; and Okahashi, Yoshikazu, 4,845,764, Cl. 382-8.000.
Morimoto, Masaru: *See—*
Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, 4,816,524, Cl. 525-378.000.
Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, 4,804,259, Cl. 350-96.340.
Morimoto, Satoshi: *See—*
Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, 4,855,019, Cl. 204-16.000.
Morimoto, Shigeki; and Koyama, Toshiaki, to Hitachi, Ltd. Communications control unit. 4,849,962, 7-18-89, Cl. 370-29.000.
Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, to Taisho Pharmaceutical Co., Ltd. Erythromycin derivatives. 4,833,236, 5-23-89, Cl. 536-7.200.
Morimoto, Shinichi, to Shimano Industrial Company Limited. Drag mechanism for a double-bearing fishing reel. 4,854,524, 8-8-89, Cl. 242-268.000.
Morimoto, Shinichi, to Shimano Industrial Company Limited. Drag mechanism for a double-bearing fishing reel. 4,878,633, 11-7-89, Cl. 242-268.000.
Morimoto, Shizuya: *See—*
Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
Morimoto, Tadaoki: *See—*
Usami, Kenichi; Kirihara, Seishin; Morimoto, Tadaoki; Doi, Hiroyuki; and Okada, Michiya, 4,802,894, Cl. 48-77.000.
Morimoto, Taiji; Taneya, Mototaka; Hayashi, Hiroshi; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser device having substriped channels for forming an active layer which is thin in an inside portion. 4,819,245, 4-4-89, Cl. 372-48.000.
Morimoto, Taiji; Hosoba, Hiroyuki; Matsumoto, Mitsuhiro; Taneya, Mototaka; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Semiconductor laser array device. 4,878,223, 10-31-89, Cl. 372-50.000.
Morimoto, Taiji: *See—*
Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, 4,879,725, Cl. 372-48.000.
Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Yamaguchi, Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, 4,853,936, Cl. 372-45.000.
Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
Yamamoto, Saburo; Hayashi, Hiroshi; and Morimoto, Taiji, 4,819,244, Cl. 372-46.000.
Morimoto, Takeshi, to Sumitomo Electric Industries, Ltd. Magnet-electro-optic effect light modulator. 4,806,885, 2-21-89, Cl. 332-7.510.
Morimoto, Takeshi; and Sekimoto, Kunio, to Matsushita Electric Industrial Co., Ltd. Apparatus for processing video signal. 4,809,084, 2-28-89, Cl. 358-324.000.
Morimoto, Takeshi; Hamatani, Yoshiki; Yoshitake, Masaru; and Yamada, Hidemi, to Asahi Glass Company Ltd.; and Elna Company Ltd. Electrolytic capacitor. 4,831,499, 5-16-89, Cl. 361-806.000.
Morimoto, Takeshi; Endoh, Eiji; and Takemiya, Satoshi, to Asahi Glass Company Ltd.; and Elna Company Ltd. Solid electrolytic capacitor. 4,858,078, 8-15-89, Cl. 361-527.000.
Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi; and Kimura, Yoshikatsu, to Asahi Glass Company Ltd.; and Elna Company Ltd. Electric double layer capacitor. 4,862,328, 8-29-89, Cl. 361-502.000.
Morimoto, Takeshi; and Endoh, Eiji, to Asahi Glass Company, Ltd. Highly durable cathode of low hydrogen overvoltage and method for manufacturing the same. 4,877,508, 10-31-89, Cl. 204-290.00R.
Morimoto, Toru; and Nakagawa, Fumihiro, to Unix Corporation Ltd.; and Morimoto, Toru. Porous metallic material, porous structural material and porous decorative sound absorbing material, and methods for manufacturing the same. 4,828,932, 5-9-89, Cl. 428-608.000.
Morimoto, Toru; and Nakagawa, Fumihiro, to Unix Corporation Ltd.; and Morimoto, Toru. Porous metallic material, porous structural material and porous decorative sound absorbing material, and methods for manufacturing the same. 4,834,281, 5-30-89, Cl. 228-117.000.
Morimoto, Toshiki; and Watanabe, Seiji, to Kabushiki Kaisha Toshiba. Semiconductor IC (integrated circuit) device. 4,883,980, 11-28-89, Cl. 307-465.100.
Morimoto, Yasuhiro: *See—*
Saito, Mitsuru; Yoshida, Tadahiro; Morimoto, Yasuhiro; and Taniguchi, Nobuyuki, 4,814,811, Cl. 354-412.000.
Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsuyuki; Morimoto, Yasuhiro; and Ishibe, Hiroshi, 4,823,199, Cl. 358-335.000.
Morimoto, Yasunori: *See—*
Sato, Kiyoshi; Morimoto, Yasunori; Sugibayashi, Kenji; and Ueno, Masao, 4,832,954, Cl. 424-449.000.
Morimoto, Yasuto: *See—*
Nakao, Toru; Kawakami, Minoru; Morimoto, Yasuto; Takehara, Shuzo; and Tahara, Tetsuya, 4,843,075, Cl. 514-248.000.
Morimoto, Yoshihiko, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,819,513, 4-11-89, Cl. 74-866.000.
Morimoto, Yoshihiko, to Fuji Jukogyo Kabushiki Kaisha. System for controlling a continuously variable transmission having a torque converter. 4,843,918, 7-4-89, Cl. 74-866.000.
Morimoto, Yoshihiko, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,850,935, 7-25-89, Cl. 474-18.000.
Morimoto, Yoshihiko: *See—*
Tanaka, Hiroshi; and Morimoto, Yoshihiko, 4,794,819, Cl. 74-866.000.
Morimoto, Yoshinari: *See—*
Hirata, Keiiti; Morimoto, Yoshinari; Ban, Tomohiro; Furushima, Tokihito; Miura, Tomoko; and Ikeda, Yoshie, 4,839,827, Cl. 364-518.000.
Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, 4,812,832, Cl. 340-709.000.
Morimoto, Yoshio: *See—*
Iimuro, Shigeru; Kitamura, Takashi; and Morimoto, Yoshio, 4,798,654, Cl. 203-94.000.
Morimoto, Yoshitaka; and Tabe, Hideya, to NEC Corporation. Optical fiber connector. 4,838,641, 6-13-89, Cl. 350-96.210.
Morimoto, Yuichi: *See—*
Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, 4,826,654, Cl. 376-444.000.
Morimoto, Yutaka: *See—*
Kitano, Masao; Ueno, Tsunemasa; Kojima, Kouichi; and Morimoto, Yutaka, 4,853,486, Cl. 568-22.000.
Morimura, Atsushi: *See—*
Fujioka, Atsushi; Morimura, Atsushi; Kitamura, Yoshinori; and Matsuoka, Hiroki, 4,843,476, Cl. 358-228.000.
Morimura, Kazuyuki: *See—*
Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,549, Cl. 53-428.000.
Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,838, Cl. 206-219.000.
Morimura, Takeshi: *See—*
Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
Morimura, Toshiyuki: *See—*
Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.
Morin, Alfred J., II: *See—*
Melcher, James R.; Morin, Alfred J., II; and Zahn, Marita, 4,873,489, Cl. 324-453.000.
Morin, Carl F.: *See—*
Benin, Joshua; Di Maio, William G.; and Morin, Carl F., 4,844,917, Cl. 366-208.000.
Morin, Claude, to T.A.C. (Tongerese Automaten Centrale). Protective helmet with movable integrated screen. 4,860,389, 8-29-89, Cl. 2-424.000.
Morin, Dominique: *See—*
Gourlain, Philippe; Lenormand, Regis; and Morin, Dominique, 4,837,531, Cl. 333-135.000.
Morin, Francois; and Le Contellec, Michel. Process for the production of a diode array and liquid crystal display screen. 4,836,650, 6-6-89, Cl. 350-334.000.
Morin, Francois; Le Contellec, Michel; and Richard, Joseph. Active matrix display screen using hydrogenated amorphous silicon carbide and process for producing this screen. 4,844,587, 7-4-89, Cl. 350-339.00R.
Morin, Hans, to Svenska Rehabiliteringsprodukter AB. Tiltable reclining board device for use in providing physical therapy. 4,867,141, 9-19-89, Cl. 128-75.000.
Morin, John M., Jr.; and Vladuchick, William C., to Eli Lilly and Company. Azetidinone intermediates for 1-carba(dethia)caphalosporins. 4,885,362, 12-5-89, Cl. 540-364.000.
Morin, John M., Jr.: *See—*
Hertel, Larry W.; Morin, John M., Jr.; and Vasileff, Robert T., 4,888,100, Cl. 204-157.700.
Morin, Louis G., to American Cyanamid Company. Chaff comprising metal coated fibers. 4,852,453, 8-1-89, Cl. 89-1.110.
Morin, Normand. Conveyor belt scrapers. 4,877,122, 10-31-89, Cl. 198-499.000.
Morin, Paul G.; and Hoes, Tommy L., to Oscar Mayer Foods Corporation. Method of pre-cooking bacon. 4,879,128, 11-7-89, Cl. 426-392.000.
Morin, Pierre: *See—*
Bardin, Christian; and Morin, Pierre, 4,825,747, Cl. 91-165.000.
Boulet, Jean; and Morin, Pierre, 4,836,303, Cl. 175-74.000.
Chevalier, Andre; Morin, Pierre; and Chardin, Michel, 4,806,115, Cl. 439-194.000.
Morin, Richard D.: *See—*
Khaled, M. Abu; Benington, Frederick; and Morin, Richard D., 4,820,706, Cl. 514-249.000.
Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, to Tokyo Gas Co., Ltd.; and Ashimori Industry Co., Ltd. Method for lining pipe lines with a pressurized gas. 4,883,557, 11-28-89, Cl. 156-287.000.
Morinaga, Akio: *See—*
Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Saito, Hitoshi, 4,877,665, Cl. 428-36.100.
Zenbayashi, Katsuaki; Otsuga, Hisao; Morinaga, Akio; Toyoshima, Osamu; and Shimokawa, Shinji, 4,882,470, Cl. 219-523.000.
Morinaga & Co., Ltd.: *See—*
Hara, Jun, 4,889,738, Cl. 426-572.000.
Morinaga, Hayato, to Sumitomo Electric Industries, Ltd. Solder-containing heat-shrinkable tube. 4,865,244, 9-12-89, Cl. 228-56.300.
Morinaga, Hitoshi: *See—*
Fukahori, Toshio; Takashima, Hideyuki; and Morinaga, Hitoshi, 4,872,737, Cl. 350-96.200.

Kajioka, Hiroshi; Fukahori, Toshio; Shiina, Noribumi; and Morinaga, Hitoshi, 4,848,867, Cl. 350-96.210.
Morinaga, Kaoru: *See—*
Ono, Takuro; Aoyama, Noboru; and Morinaga, Kaoru, 4,890,276, Cl. 369-77.200.
Morinaga, Kenji: *See—*
Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, 4,843,021, Cl. 436-533.000.
Morinaga, Masahiko: *See—*
Yukawa, Natsuo; and Morinaga, Masahiko, 4,824,637, Cl. 420-129.000.
Morinaga, Masaru: *See—*
Seto, Toshiaki; and Morinaga, Masaru, 4,797,984, Cl. 24-641.000.
Morinaga Milk Industry Co., Ltd.: *See—*
Masaoka, Tohru, 4,845,078, Cl. 514-8.000.
Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.
Okonogi, Shigeo; Tomita, Mamoru; Shimamura, Seiichi; Ishibashi, Norio; and Kudo, Tsutomu, 4,888,171, Cl. 424-93.000.
Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, to Kabushiki Kaisha Toshiba. Semicondutor laser device. 4,862,474, 8-29-89, Cl. 372-50.000.
Morinaga, Motoyasu: *See—*
Kinoshita, Junichi; Morinaga, Motoyasu; Furuyama, Hideto; and Hirayama, Yuzo, 4,870,468, Cl. 357-17.000.
Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto, 4,858,241, Cl. 372-46.000.
Morinaga, Shigeki, to Hitachi, Ltd. Apparatus for processing input/output pulses for use in microcomputers. 4,809,165, 2-28-89, Cl. 364-200.000.
Morinaga, Shigeki; and Watabe, Mitsuru, to Hitachi, Ltd. Data conflict prevention for processor with input/output device. 4,888,685, 12-19-89, Cl. 364-200.000.
Morinaga, Shigeki: *See—*
Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, 4,888,721, Cl. 364-736.000.
Morinaga, Tetsuya: *See—*
Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
Morinaga, Tsuto; Miura, Kin-ichiro; Shimotchno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, to Teijin Limited. Double-stranded DNA having sequences complementary to a single-stranded DNA and derived from a bean golden mosaic virus. 4,855,237, 8-8-89, Cl. 435-320.000.
Morinaka, Hideo: *See—*
Takematsu, Tetsuo; Nonaka, Yuji; Nakanishi, Akira; and Morinaka, Hideo, 4,826,859, Cl. 514-349.000.
Morinaka, Yasuhiro: *See—*
Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.
Moring, Volker: *See—*
Burkhart, Georg; Moring, Volker; and Schaefer, Dietmar, 4,837,244, Cl. 521-114.000.
Moring, Walter G., III, to AP Parts Manufacturing Company. Stamp formed muffler with nonplanar array of tubes. 4,860,853, 8-29-89, Cl. 181-282.000.
Moring, Walter G., III: *See—*
Harwood, Jon W.; and Moring, Walter G., III, 4,821,840, Cl. 181-282.000.
Rosa, Bruno A.; Harwood, Jon W.; Moring, Walter G., III; and Resuggan, Peter L., 4,806,726, Cl. 219-121.670.
Morini, Cesare, to Morini Competition Arm S.A. Semi-automatic target pistol. 4,803,911, 2-14-89, Cl. 89-194.000.
Morini Competition Arm S.A.: *See—*
Morini, Cesare, 4,803,911, Cl. 89-194.000.
Morini, Emilio, to Pirelli Sistemi Antivibranti S.p.A. Element for supporting suspension-springs. 4,861,007, 8-29-89, Cl. 267-153.000.
Morino, Daizo: *See—*
Matsuo, Masaaki; Morino, Daizo; Tsuji, Kiyoshi; and Okumura, Hiroyuki, 4,885,297, Cl. 514-253.000.
Morino, Haruki: *See—*
Ikeda, Takaharu; Tada, Kazuhiro; and Morino, Haruki, 4,814,460, Cl. 548-262.000.
Morino, Masuaki; Fujikawa, Yoshiyuki; Haneda, Isamu; and Myoi, Tetsuo, to Sharp Kabushiki Kaisha. Program protection in a programmable electronic calculator. 4,805,136, 2-14-89, Cl. 364-900.000.
Morino, Ronald; Swiggett, Brian E.; Keogh, Raymond J.; and Crowell, Jonathan C., to Kollmorgen Technologies Corporation. Method for scribing conductors via laser. 4,818,322, 4-4-89, Cl. 156-272.800.
Morino, Ronald: *See—*
Swiggett, Brian E.; Morino, Ronald; Keogh, Raymond J.; Crowell, Jonathan C.; Szenczy, George; Schoenberg, Andrew J.; and Friedrich, Marju L., 4,859,807, Cl. 174-68.500.
Morioka, Akira: *See—*
Matsuura, Takeshi; Morioka, Akira; and Takahira, Yoshiyuki, 4,871,606, Cl. 428-147.000.
Morioka, Kazuo; Kokubo, Takashi; Imazeki, Youichi; and Murayama, Hideharu, to CITEC Corporation. Multitrack recording apparatus which stops the recording medium on the basis of recorded musical timing data. 4,847,710, 7-11-89, Cl. 360-72.200.
Morioka, Kiyotaka: *See—*
Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
Morioka, Koji; and Watanabe, Makoto, to Taikisha Ltd. Paint waste separating and collecting apparatus. 4,818,388, 4-4-89, Cl. 210-167.000.
Morioka, Koji; and Yoshida, Susumu, to Taikisha Ltd. Apparatus for removing spray mist from spraying booth. 4,848,215, 7-18-89, Cl. 98-115.200.
Morioka, Makoto; Mishima, Tomoyoshi; Hiruma, Kenji; Katayama, Yoshifumi; and Shiraki, Yasuhiro, to Hitachi, Ltd. Semiconductor device having strained superlattice buffer layers with In-doped GaAs substrate. 4,835,583, 5-30-89, Cl. 357-4.000.
Morioka, Masataka: *See—*
Fujii, Susumi; Ishida, Hiromi; Morioka, Masataka; Saito, Akihiro; and van der Meer, Roelof, 4,873,276, Cl. 524-153.000.
Morioka, Shigeo: *See—*
Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, 4,886,667, Cl. 424-195.100.
Morioka, Shizuo; and Saitoh, Yuichi, to Kabushiki Kaisha Toshiba. Device for detecting residual capacity of battery. 4,849,700, 7-18-89, Cl. 324-427.000.
Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi, Toyoshi, Takanori; and Uede, Toshio, to Fuji Electric Co., Ltd. Method of treating radioactive ion-exchange resins by oxidative decomposition. 4,877,558, 10-31-89, Cl. 252-626.000.
Morioka, Takayuki: *See—*
Matsumoto, Hidekazu; Bandoh, Tadaaki; Hiraoka, Ryosei; Morioka, Takayuki; and Miyazaki, Yoshihiro, 4,807,113, Cl. 364-200.000.
Morioka, Yoshihiro; Kobayashi, Masaaki; and Nagaoka, Yoshitomi, to Matsushita Electric Industrial Co., Ltd. Video tape recorder for recording and reproducing two-channel component signals of a video signal on a magnetic tape using two pair of heads and alternately delayed signals. 4,811,117, 3-7-89, Cl. 358-310.000.
Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sakon, to Matsushita Electric Industrial Co., Ltd. System for connecting a video signal recording/reproducing apparatus and a television receiver. 4,864,421, 9-5-89, Cl. 358-310.000.
Morioka, Yuji: *See—*
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; and Ichiba, Masao, 4,880,435, Cl. 29-623.500.
Morisada, Tsuyoshi, to NEC Corporation. Instruction prefetch control apparatus. 4,881,170, 11-14-89, Cl. 364-200.000.
Morisaka, Manabu: *See—*
Maeda, Yoshihiro; Morisaka, Manabu; and Matsumoto, Hisayoshi, 4,848,627, Cl. 224-275.000.
Morisaki, Mototsugu: *See—*
Ban, Yuzaburo; Manno, Masaya; Kubo, Minoru; Morisaki, Mototsugu, and Ogura, Mototsugu, 4,885,260, Cl. 437-81.000.
Morisawa, Kunio, to Toyota Jidosha Kabushiki Kaisha. Hydraulic pressure control apparatus for use in automatic transmission. 4,817,474, 4-4-89, Cl. 74-869.000.
Morisawa, Kunio, to Toyota Jidosha Kabushiki Kaisha. Power transmission chain belt. 4,871,344, 10-3-89, Cl. 474-206.000.
Morisawa, Tahei: *See—*
Kurosawa, Yuichi; Morisawa, Tahei; and Aoki, Harumi, 4,835,646, Cl. 360-109.000.
Morishige, Fukumi, to Nissan Chemical Industries, Ltd. Composition of accelerating recovery of function of hematopoietic organs. 4,839,172, 6-13-89, Cl. 424-105.000.
Morishige, Fukumi, to Nissan Chemical Industries, Ltd. Nutritional methods utilizing compositions containing RNA, CA^{+2}, Mg^{+2} and/or ascorbate. 4,851,390, 7-25-89, Cl. 514-44.000.
Morishige, Toshinori: *See—*
Murase, Kenaki; and Morishige, Toshinori, 4,848,288, Cl. 123-179.00P.
Morishige, Yukio: *See—*
Uesugi, Fumihiko; and Morishige, Yukio, 4,873,413, Cl. 219-121.680.
Morishima, Hajime: *See—*
Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.
Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
Morishima, Yasuo: *See—*
Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiroshi; Morishima, Yasuo; and Osabe, Hirokazu, 4,844,732, Cl. 71-94.000.
Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; and Osabe, Hirokazu, 4,886,546, Cl. 71-88.000.
Morishita, Akira; Suzuki, Satoru; and Yabe, Tatsuo, to Mitsubishi Denki Kabushiki Kaisha. Draining device for a rotating electric machine. 4,808,871, 2-28-89, Cl. 310-89.000.
Morishita, Akira; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Engine starter motor. 4,819,975, 4-11-89, Cl. 290-48.000.

Morishita, Akira; and Isozumi, Shuzo, to Mitsubishi Denki Kabushiki Kaisha. Starter motor. 4,825,095, 4-25-89, Cl. 249-48.000.

Morishita, Akira; and Seta, Akio, to Mitsubishi Denki Kabushiki Kaisha. Solenoid-operated switch for a starter. 4,847,580, 7-11-89, Cl. 335-126.000.

Morishita, Akira, to Mitsubishi Denki Kabushiki Kaisha. Planetary gear reduction starter. 4,848,172, 7-18-89, Cl. 74-7.00E.

Morishita, Akira; Tanaka, Toshinori; and Isozumi, Shuzoo, to Mitsubishi Denki Kabushiki Kaisha. Starting electric motor. 4,855,610, 8-8-89, Cl. 290-48.000.

Morishita, Akira; Konishi, Keiichi; and Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Armature coil slots having grooves formed in its throat. 4,859,895, 8-22-89, Cl. 310-261.000.

Morishita, Akira, to Mitsubishi Denki Kabushiki Kaisha. Driving device for auxiliary device. 4,870,875, 10-3-89, Cl. 74-785.000.

Morishita, Akira: *See*—
Tanaka, Toshinori; Miyazaki, Shigekazu; and Morishita, Akira, 4,876,473, Cl. 310-216.000.

Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Scroll compressor with control of distance between driving and driven scroll axes. 4,840,549, 6-20-89, Cl. 418-55.000.

Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; and Inaba, Tsutomu, to Mitsubishi Denki Kabushiki Kaisha. Scroll compressor with members pressing rotating scrolls radially and axially. 4,846,639, 7-11-89, Cl. 418-55.000.

Morishita, Etsuo: *See*—
Kakuda, Masayuki; and Morishita, Etsuo, 4,815,951, Cl. 418-15.000.
Kakuda, Masayuki; and Morishita, Etsuo, 4,865,531, Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,842,499, Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,846,640, Cl. 418-55.000.
Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, 4,865,530, Cl. 418-55.00E.

Morishita, Hajime: *See*—
Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.

Morishita, Harold H. Fishing rod tip roller. 4,807,385, 2-28-89, Cl. 43-24.000.

Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, to Japan Oxygen Co., Ltd. Process for the production of glass. 4,828,593, 5-9-89, Cl. 65-18.400.

Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, to Japan Oxygen Co., Ltd. Process for the production of glass. 4,828,594, 5-9-89, Cl. 65-18.400.

Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, to Japan Oxygen Co., Ltd. Process for the production of glass. 4,828,595, 5-9-89, Cl. 65-18.400.

Morishita, Hiroshi: *See*—
Seki, Koji; Morishita, Hiroshi; Ohno, Kiyoshi; and Yokota, Hiroshi, 4,871,695, Cl. 501-54.000.

Morishita, Ichiro: *See*—
Iwai, Masato; Morishita, Ichiro; and Nakayama, Masaru, 4,820,029, Cl. 350-432.000.

Morishita, Kanichi: *See*—
Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi, 4,814,938, Cl. 361-302.000.

Morishita, Masanobu, to NEC Home Electronics Ltd. Radio bus system. 4,866,733, 9-12-89, Cl. 375-1.000.

Morishita, Masanobu, to NEC Home Electronics Ltd. Image projection apparatus. 4,872,750, 10-10-89, Cl. 353-7.000.

Morishita, Masao: *See*—
Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, 4,850,536, Cl. 239-332.000.

Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, to Toyo Jozo Company, Ltd. Suppository preparation having excellent absorption property. 4,873,087, 10-10-89, Cl. 424-433.000.

Morishita, Mimpei; and Azukizawa, Teruo, to Kabushiki Kaisha Toshiba. Transportation system of a floated-carrier type. 4,811,667, 3-14-89, Cl. 104-284.000.

Morishita, Mimpei; and Azukizawa, Teruo, to Kabushiki Kaisha Toshiba. Transporting system of floated-carrier type. 4,825,773, 5-2-89, Cl. 104-284.000.

Morishita, Mimpei; and Azukizawa, Teruo, to Kabushiki Kaisha Toshiba. Transporting system of floated carrier type. 4,838,172, 6-13-89, Cl. 104-281.000.

Morishita, Mimpei: *See*—
Azukizawa, Teruo; and Morishita, Mimpei, 4,817,533, Cl. 104-289.000.
Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, 4,882,999, Cl. 104-281.000.

Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Motor-driven power steering system for a vehicle. 4,837,690, 6-6-89, Cl. 364-424.050.

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, to Mitsubishi Denki Kabushiki Kaisha. Steering torque detecting device. 4,838,074, 6-13-89, Cl. 73-118.100.

Morishita, Mitsuharu; and Kouge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Motor driven type power steering control device 4,842,087, 6-27-89, Cl. 180-79.100.

Morishita, Mitsuharu; Iwatani, Shiro; and Nanba, Mitsuaki, to Mitsubishi Denki Kabushiki Kaisha. Method for depositing solder onto aluminum metal material. 4,848,646, 7-18-89, Cl. 228-206.000.

Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Motor-driven power steering system for a vehicle 4,849,889, 7-18-89, Cl. 364-424.050.

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, to Mitsubishi Denki Kabushiki Kaisha. Steering torque detecting device. 4,856,323, 8-15-89, Cl. 73-118.100.

Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Motor-driven power steering system for a vehicle 4,862,366, 8-29-89, Cl. 364-424.050.

Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Motor-driven type power steering control device 4,869,333, 9-26-89, Cl. 180-79.100.

Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, to Mitsubishi Denki Kabushiki Kaisha. Steering torque detecting device. 4,875,367, 10-24-89, Cl. 73-118.100.

Morishita, Mitsuharu: *See*—
Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,886,136, Cl. 180-79.100.
Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,830,137, Cl. 180-79.100.

Morishita, Muneki: *See*—
Kondo, Takayuki; and Morishita, Muneki, 4,861,974, Cl. 235-475.000.
Mita, Katsuya; Machida, Yutaka; and Morishita, Muneki, 4,871,905, Cl. 235-475.000.

Morishita, Nobumichi: *See*—
Nakamoto, Kouji; Morishita, Nobumichi; and Aoyama, Masahide, 4,883,821, Cl. 514-617.000.

Morishita, Sadao; Matsushita, Toshihiko; and Sugiyama, Takeo, to Mitsubishi Paper Mills, Ltd. Thermal transfer recording sheet. 4,806,421, 2-21-89, Cl. 428-324.000.

Morishita, Sadao; Matsushita, Toshihiko; and Sekine, Mikiya, to Mitsubishi Paper Mills, Ltd. Thermal transfer recording material. 4,837,199, 6-6-89, Cl. 503-227.000.

Morishita, Sadao: *See*—
Fujita, Zenzo; Morita, Hirokiyo; and Morishita, Sadao, 4,873,045, Cl. 264-259.000.
Matsushita, Toshihiko; Hiraishi, Shigetoshi; and Morishita, Sadao, 4,824,824, Cl. 503-204.000.

Morishita, Takuya; Okuda, Atushi; and Asanaka, Shinji, to Sanyo Electric Co., Ltd. Vacuum cleaner. 4,852,208, 8-1-89, Cl. 15-339.000.

Morishita, Taro: *See*—
Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, 4,837,689, Cl. 364-419.000.

Morishita, Tsuyoshi: *See*—
Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, 4,835,317, Cl. 568-66.000.

Morisod, Jean-Bernard, to Bobst SA. Device for transporting and forming batches of flat pieces with decreasing thickness. 4,838,747, 6-13-89, Cl. 414-790.300.

Morison, James: *See*—
Whittington, Paul S.; and Morison, James, 4,817,900, Cl. 248-225.100.

Morisue, Kazushige: *See*—
Nakao, Kouichi; Toki, Akira; Morisue, Kazushige; and Kobayashi, Hiroyasu, 4,887,073, Cl. 340-693.000.

Morisue, Yasuhiro: *See*—
Sano, Yasuo; Morisue, Yasuhiro; Komiya, Kiyoshi; and Nakamura, Yoshimasa, 4,831,111, Cl. 528-363.000.

Morita, Haruyuki: *See*—
Nakayama, Masatoshi; Morita, Haruyuki; and Kubota, Yuichi, 4,810,524, Cl. 427-38.000.
Nakayama, Masatoshi; Morita, Haruyuki; Kubota, Yuichi; and Tsuchiya, Keiko, 4,816,341, Cl. 428-458.000.

Morita, Hideo: *See*—
Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, 4,820,768, Cl. 525-92.000.

Morita, Hiroaki; Haraguchi, Kazutoshi; and Tanigawa, Eiji, to Osaka Gas Company Limited; and Dainippon Ink and Chemicals Inc. Process for preparing pitch-type carbon fibers. 4,859,381, 8-22-89, Cl. 264-29.200.

Morita, Hiroaki: *See*—
Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.

Morita, Hirobumi: *See*—
Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, 4,885,833, Cl. 29-407.000.

Morita, Hirofumi: *See*—
Hara, Hideo; Maehara, Tadashi; Eshima, Masahazu; Morita, Hirofumi; and Kojima, Hiroshi, 4,815,514, Cl. 152-531.000.

Morita, Hirokiyo: *See*—
Fujita, Zenzo; Morita, Hirokiyo; and Morishita, Sadao, 4,873,045, Cl. 264-259.000.

Morita, Hiroshi; and Osada, Osamu, to Kabushiki Kaisha Toshiba. Magnetic recording medium and method of manufacturing the same 4,820,584, 4-11-89, Cl. 428-336.000.

Morita, Hiroshi, to Seiko Instruments Inc. Plotter adjustment circuit. 4,881,131, 11-14-89, Cl. 358-296.000.

Morita, Hiroshi: *See*—
Fujii, Masahiro; Morita, Hiroshi; Hiraki, Jun; and Hatakeyama, Masakazu, 4,867,974, Cl. 424-89.000.
Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, 4,877,509, Cl. 204-298.000.
Yoshino, Thunekazu; Morita, Hiroshi; Nakano, Hirotaka; Hayashi, Nobuo; and Kubota, Yuko, 4,887,760, Cl. 228-56.300.

Morita, Hiroyuki: *See*—
Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,819,590, Cl. 123-65.00P.
Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,827,880, Cl. 123-65.00E.

Morita, Iwao: *See*—
Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, 4,857,515, Cl. 514-89.000.

Morita, Izuru; Tozawa, Shoji; Hisatake, Tsuneo; and Atono, Tadasi, to Shin Caterpillar Mitsubishi Ltd. Operation data recording system. 4,853,859, 8-1-89, Cl. 364-424.040.

Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, to Shin Caterpillar Mitsubishi Ltd.; and Nippon Donaldson Ltd. Apparatus for treating particulate emission from diesel engine. 4,866,932, 9-19-89, Cl. 60-288.000.

Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, to Shin Caterpillar Mitsubishi Ltd. Method of and apparatus for reducing engine smoke emissions. 4,884,398, 12-5-89, Cl. 60-274.000.

Morita, Kazuharu; Uchida, Shunji; and Hachiya, Satoshi, to Idemitsu Kosan Co., Ltd. Liquid-crystalline polymer. 4,818,807, 4-4-89, Cl. 528-191.000.

Morita, Kazuharu: *See*—
Uchida, Shunji; Morita, Kazuharu; and Hashimoto, Kenji, 4,844,835, Cl. 252-299.010.

Morita, Kazuhiko: *See*—
Iwasa, Masakazu; and Morita, Kazuhiko, 4,807,078, Cl. 360-133.000.
Iwasa, Masakazu; and Morita, Kazuhiko, 4,864,451, Cl. 360-133.000.

Morita, Kazuhiro: *See*—
Shirai, Tokuo; and Morita, Kazuhiro, 4,847,968, Cl. 29-159.00R.

Morita, Kazuyoshi: *See*—
Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Nagasawa, Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Sohichi, 4,826,818, Cl. 514-21.000.

Morita, Keiichi, to Kabushiki Kaisha Toshiba. Air conditioner with heat regeneration cycle. 4,798,059, 1-17-89, Cl. 62-228.400.

Morita, Keiichi, to Kabushiki Kaisha Toshiba. Refrigerating system incorporating a heat accumulator and method of operating the same. 4,833,893, 5-30-89, Cl. 62-713.000.

Morita, Keiichi: *See*—
Hoshi, Takao; and Morita, Keiichi, 4,869,074, Cl. 62-238.700.

Morita, Kenji: *See*—
Nakao, Toru; Kawakami, Minoru; Obata, Minoru; and Morita, Kenji, 4,849,421, Cl. 514-248.000.

Morita, Kikuo: *See*—
Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.

Morita, Kiyomi; Kiyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, to Hitachi, Ltd. Method of and apparatus for fuel control. 4,817,570, 4-4-89, Cl. 123-472.000.

Morita, Kiyomi; Miyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, to Hitachi, Ltd. Method and apparatus for fuel control. 4,817,571, 4-4-89, Cl. 123-492.000.

Morita, Kiyomi: *See*—
Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, 4,860,211, Cl. 364-431.050.
Kamifuji, Hiroshi; Tanabe, Yoshiyuki; and Morita, Kiyomi, 4,873,960, Cl. 123-480.000.

Morita, Koichi: *See*—
Akiyama, Teruo; and Morita, Koichi, 4,813,518, Cl. 188-170.000.

Morita, Koichiro; and Asai, Ko, to NEC Corporation. Pre-processing system for pre-processing an image signal succession prior to identification. 4,827,527, 5-2-89, Cl. 382-4.000.

Morita, Koichiro: *See*—
Asai, Ko; and Morita, Koichiro, 4,872,203, Cl. 382-4.000.

Morita, Kouichi: *See*—
Arai, Kenji; Morita, Kouichi; Mito, Nobuaki; and Hirata, Naonori, 4,888,042, Cl. 71-88.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,877,444, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,885,024, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,888,045, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,820,333, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,824,465, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,828,605, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,149, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,150, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,888,428, Cl. 548-165.000.
Nagano, Eiki; Haga, Toru; Sato, Ryo; and Morita, Kouichi, 4,880,925, Cl. 544-105.000.
Nakayama, Koji; Yoshida, Ryo; and Morita, Kouichi, 4,810,271, Cl. 71-92.000.

Morita, Kunihiko, to Nippon Thompson Co., Ltd. Sheet-metal type endless rectilinear motion rolling guide unit. 4,798,479, 1-17-89, Cl. 384-45.000.

Morita, Mamoru: *See*—
Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, 4,806,725, Cl. 219-216.000.

Morita, Masao: *See*—
Yamada, Tadatoshi; Morita, Masao; Yamamoto, Shunji; Matsuda, Tetsuya; and Iwamoto, Masatami, 4,816,962, Cl. 361-141.000.

Morita, Masaru: *See*—
Nishizawa, Hisao; Morita, Masaru; and Tanaka, Masato, 4,871,417, Cl. 156-640.000.

Morita, Masasuke; Shimada, Toshio; and Kitazaki, Toshiro, to NEC Corporation. Keyboard apparatus having separate working areas with thumb-operated shifting of key functions. 4,847,799, 7-11-89, Cl. 364-709.120.

Morita, Masataka; Ishihara, Masao; and Tachikawa, Mitsuru, to Suzuki Motor Co., Ltd. Saddle type vehicle running on uneven ground. 4,836,324, 6-6-89, Cl. 180-291.000.

Morita, Masato: *See*—
Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Morita, Masatoshi: *See*—
Shirouzu, Tatsuji; Morita, Masatoshi; and Mizuno, Satoshi, 4,805,062, Cl. 361-4.000.

Morita, Masayuki: *See*—
Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki, 4,822,989, Cl. 235-492.000.

Morita, Mikio: *See*—
Ochiai, Kumi; Horie, Hiromichi; Arima, Itsuo; and Morita, Mikio, 4,820,338, Cl. 75-233.000.

Morita, Misao; and Nakajima, Takashi, to Nippon Paint Co., Ltd. Surface characteristic measurement. 4,846,578, 7-11-89, Cl. 356-446.000.

Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, to Mitsui Toatsu Chemicals, Incorporated. Flexible laminate printed-circuit board and methods of making same. 4,839,232, 6-13-89, Cl. 428-473.500.

Morita, Naoki: *See*—
Hayashi, Kenichi; Matsuoka, Yoshito; Kasahara, Michio; and Morita, Naoki, 4,830,920, Cl. 428-421.000.

Morita, Naoyuki, to Fuji Photo Film Co., Ltd. Image recording apparatus and system. 4,864,352, 9-5-89, Cl. 355-27.000.

Morita, Noboru, to Kabushiki Kaisha Toshiba. Commutation compensation device for a DC machine. 4,872,123, 10-3-89, Cl. 364-571.020.

Morita, Osamu: *See*—
Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.

Morita, Rikushi: *See*—
Koike, Kiyoshi; Fujita, Takuo; and Morita, Rikushi, 4,845,747, Cl. 378-208.000.

Morita, Sakae: *See*—
Saito, Hidetoshi; Kume, Masahiro; and Morita, Sakae, 4,804,911, Cl. 324-167.000.

Morita, Seiji: *See*—
Uchida, Minoru; Morita, Seiji; Chihiro, Masatoshi; and Nakagawa, Kazuyuki, 4,880,815, Cl. 514-303.000.

Morita, Seizo: *See*—
Okada, Takao; Kouchi, Toshihito; Mishima, Shuzo; Ogawa, Haruo; Morita, Seizo; and Mikoshiba, Nobuo, 4,877,957, Cl. 250-306.000.

Morita, Shigeki: *See*—
Masai, Tadahisa; Morita, Shigeki; and Nakashita, Shigeto, 4,807,541, Cl. 110-262.000.
Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masai, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, 4,881,474, Cl. 110-263.000.

Morita, Shigeru: *See*—
Nozaka, Kenkichi; Kawahara, Yosihiro; Kitamura, Yuji; Morita, Shigeru; and Takahashi, Sadayuki, 4,836,738, Cl. 414-607.000.
Suzuki, Hitoshi; Hara, Kozo; Koga, Shiro; and Morita, Shigeru, 4,860,363, Cl. 381-89.000.
Takei, Terutaka; Morita, Shigeru; and Kawakita, Hiroaki, 4,887,686, Cl. 180-211.000.

Morita, Shinichi: *See*—
Kakimoto, Toshihiko; Murakami, Takuya; and Morita, Shinichi, 4,810,002, Cl. 280-666.000.

Morita, Shizuo; Tada, Kiyoshi; Togo, Tatsuo; and Tazaki, Hiroo, to Sekisui Jushi Kabushiki Kaisha. Inquiry system for detecting a selected object. 4,814,742, 3-21-89, Cl. 340-825.540.

Morita, Shizuo; Hayakawa, Kazushi; Ito, Kunio; Matsuo, Shunji; Fukuchi, Masakazu; and Hatakeyama, Noboru, to Konica Corporation. Multicolor image forming apparatus. 4,878,091, 10-31-89, Cl. 355-260.000.

Morita, Shizuo: *See*—
Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Shizuo; and Ichihara, Yoshiyuki, 4,835,600, Cl. 358-51.000.

Morita, Shohachi: *See—*
Mukai, Seiichi; Kimura, Masatoshi; and Morita, Shohachi, 4,886,873, Cl. 528-353.000.
Morita, Shuji: *See—*
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,880,819, Cl. 514-316.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,883,802, Cl. 514-278.000.
Morita, Shunji; Yamamuro, Takahiko; and Fukushima, Nobuo, to Mitsubishi Denki Kabushiki Kaisha. Graphics display device. 4,835,530, 5-30-89, Cl. 340-732.000.
Morita, Sizuo: *See—*
Harada, Kiyoshi; Ikeda, Motokazu; Kon, Makoto; Matsunawa, Masahiko; Morita, Sizuo; and Ichihara, Yoshiyuki, 4,814,895, Cl. 358-229.000.
Morita, Sohei: *See—*
Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.
Morita, Tadao: *See—*
Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, 4,805,069, Cl. 361-226.000.
Morita, Takashi; Hirai, Koji; and Kusaba, Akira, to Hitachi, Ltd. Time division exchange system having functions of compressing and expanding information. 4,823,342, 4-18-89, Cl. 370-109.000.
Morita, Takashi: *See—*
Maniwa, Yoshio; and Morita, Takashi, 4,860,119, Cl. 358-296.000.
Maniwa, Yoshio; Morita, Takashi; Niro, Masaichi; Abe, Daisuke; and Nagayama, Haruhiko, 4,872,091, Cl. 361-424.000.
Mizuhara, Noboru; Hoshi, Tohru; Kashio, Jiro; and Morita, Takashi, 4,837,816, Cl. 379-221.000.
Morita, Takeshi; Hiramoto, Seigo; and Ohmine, Megumi, to Mitsubishi Denki Kabushiki Kaisha. Laser method of coating metal with a noble metal. 4,810,525, 3-7-89, Cl. 427-53.100.
Morita, Takeshi; Moriyasu, Masaharu; and Ohmine, Megumi, to Mitsubishi Denki Kabushiki Kaisha. Machining and assembling system using laser beam. 4,814,576, 3-21-89, Cl. 219-121.600.
Morita, Takeshi: *See—*
Hiramoto, Seigo; Hamada, Osamu; Morita, Takeshi; and Ohmine, Megumi, 4,816,293, Cl. 427-53.100.
Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, 4,825,035, Cl. 219-121.610.
Moriyasu, Masaharu; Morita, Takeshi; and Ohmine, Megumi, 4,873,417, Cl. 219-121.600.
Utsunomiya, Shin; Okumura, Mitsuhiro; and Morita, Takeshi, 4,886,108, Cl. 164-461.000.
Morita, Tatsuo, to Nissan Motor Co., Limited. Engine spark timing control system. 4,819,171, 4-4-89, Cl. 364-431.080.
Morita, Tatsuo; Hidaka, Terufumi; and Kashimura, Yuichi, to Nissan Motor Company, Limited; and Hitachi, Ltd. System and method for controlling ignition timing for an internal combustion engine. 4,819,603, 4-11-89, Cl. 123-425.000.
Morita, Terumasa: *See—*
Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.
Morita, Tetsuya, to Ricoh Company, Ltd. Communication network having multi-conjunction architecture. 4,887,259, 12-12-89, Cl. 370-60.000.
Morita, Toru: *See—*
Inoue, Akira; Ushio, Masaru; Morita, Toru; Oishi, Yasuyuki; and Sakoda, Hisao, 4,836,914, Cl. 208-251.00H.
Morita, Toshikazu, to Nohmi Bosai Kogyo Kabushiki Kaisha. Fire alarm system. 4,816,808, 3-28-89, Cl. 340-518.000.
Morita, Toshikazu, to Nohmi Bosai Kogyo Kabushiki Kaisha. Signal transmission circuit of fire/security protection system. 4,825,196, 4-25-89, Cl. 340-531.000.
Morita, Toshiki, to Brother Kogyo Kabushiki Kaisha. Document feed device with pin tractor assembly. 4,822,192, 4-18-89, Cl. 400-616.300.
Morita, Toshiki: *See—*
Yokoi, Takeshi; and Morita, Toshiki, 4,838,535, Cl. 271-22.000.
Morita, Toshio. Fishing line device. 4,870,777, 10-3-89, Cl. 43-42.740.
Morita, Toyoo, to Yoshida Kogyo K. K. Method and apparatus for cutting a chain of elongate products. 4,796,497, 1-10-89, Cl. 83-23.000.
Morita, Toyoo, to Yoshida Kogyo K. K. Apparatus for attaching top end stops to slide fastener chain. 4,862,585, 9-5-89, Cl. 29-767.000.
Morita, Toyoo: *See—*
Akiyama, Hideki; and Morita, Toyoo, 4,839,963, Cl. 29-766.000.
Morita, Yasushi, to Senju Pharmaceutical Co., Ltd. Method for preventing coloration of aqueous preparations of cefmenoxime. 4,808,577, 2-28-89, Cl. 514-64.000.
Morita, Yasushi: *See—*
Yamamoto, Yujiro; Terayama, Hideo; and Morita, Yasushi, 4,822,823, Cl. 514-690.000.
Morita, Yasutsugu: *See—*
Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, 4,801,204, Cl. 356-338.000.
Morita, Yasuyoshi: *See—*
Toyofuku, Kunitaka; Morita, Yasuyoshi; and Michikawa, Kohei, 4,834,797, Cl. 106-2.000.
Morita, Yoshiaki: *See—*
Ohyama, Sadahiro; Morita, Yoshiaki; Ueno, Yoshiaki; and Tazawa, Kazuhiro, 4,851,935, Cl. 360-64.000.

Morita, Yoshikimi, to Matsushita Electronics Corporation. Method fabricating trench cell capacitors on a semocondcutor substrate 4,843,025, 6-27-89, Cl. 437-47.000.
Morita, Yoshio, to Dainippon Screen Mfg. Co., Ltd. Image data processing method and apparatus therefor. 4,852,020, 7-25-89, C 364-521.000.
Morita, Yoshitsugu; and Shida, Shoichi, to Toray Silicone Co., Lt Thermosetting resin compositions. 4,808,640, 2-28-89, C 523-433.000.
Morita, Yoshitsugu; Yokoyama, Noriyasu; and Yoshida, Keiji, to Tor Silicone Company, Ltd. Curable resin composition containing microparticulate silicone rubber. 4,880,882, 11-14-89, Cl. 525-446.
Morita, Yoshiyasu: *See—*
Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Mar Arai, Tetsuzo; and Fukui, Kunihiro, 4,871,194, Cl. 285-55.00
Morita, Yutaka: *See—*
Sakai, Kunito; Tanaka, Sueyosi; Tutumi, Yasutugu; and Mori Yutaka, 4,826,931, Cl. 525-523.000.
Morita, Yuzo: *See—*
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suz Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyo and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Moritaka, Masahiro: *See—*
Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Koi Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Ta Kunihiko; Mizukami, Masao; Ito, Masaru; and Morita Masahiro, 4,815,943, Cl. 417-222.000.
Moritake, Makoto; and Ohtsuka, Shuichi, to Fuji Photo Film Co., Lt Film pressing device. 4,825,254, 4-25-89, Cl. 355-71.000.
Moritani, Kohji: *See—*
Kohno, Hiroji; Moritani, Kohji; Sato, Toshiaki; Yamauchi, nosuke; and Okaya, Takuji, 4,835,198, Cl. 524-47.000.
Moritani, Masahiko: *See—*
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; a Yasunori, Yukio, 4,837,286, Cl. 526-217.000.
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; a Yasunori, Yukio, 4,859,750, Cl. 526-135.000.
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; a Yasunori, Yukio, 4,885,125, Cl. 264-328.600.
Moritani, Michitaka: *See—*
Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Ou Syogo; Yoshida, Takenobu, and Moritani, Michitaka, 4,8 Cl. 239-113.000.
Moritani, Takeshi: *See—*
Aoyama, Akimasa; Moritani, Takeshi; Yonezu, Kiyoaki; a Okaya, Takuji, 4,824,904, Cl. 525-60.000.
Morito Co., Ltd.: *See—*
Yamaguchi, Mitsuhiro, 4,794,673, Cl. 24-115.00G.
Yamaguchi, Mitsuhiro, 4,805,272, Cl. 24-623.000.
Morito, Makoto; Tabei, Yukio; and Yamada, Kozo, to Oki Elec Industry Co., Ltd. Speech recognition for recognizing the categ of an input speech pattern. 4,852,181, 7-25-89, Cl. 381-46.000.
Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yu and Takahashi, Keiko, to Oki Electric Industry Co., Ltd. Appara and method for recognizing speech. 4,868,879, 9-19-89, 381-43.000.
Morito, Makoto: *See—*
Yazu, Takashi; and Morito, Makoto, 4,868,868, Cl. 381-37.00
Morito, Nobuyuki: *See—*
Sato, Toru; Morito, Nobuyuki; and Kobayashi, Shinji, 4,809, Cl. 164-423.000.
Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; moto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji Hitachi, Ltd.; and Kasei Optonix Ltd. Projection type color pic display system having green picture and blue picture produc CRTs with γ coefficients. 4,845,403, 7-4-89, Cl. 313-468.000.
Moritz, Andrew J. Crab trap. 4,887,382, 12-19-89, Cl. 43-102.00
Moritz, Frederick: *See—*
Mosciatti, Roger; Foley, Thomas P.; Moritz, Frederick; and Jack, 4,828,406, Cl. 400-23.000.
Moritz, James H.: *See—*
Levin, George B.; Lee, Suh Y.; and Moritz, James H., 4,862,8 110-216.000.
Moritz, Mats, to Prodeo AB. Motor powered sound emitter. 4,80 2-21-89, Cl. 181-175.000.
Moritz, Robert R., to Rolls-Royce plc. Method and apparatus evaluating condensation amount. 4,864,844, 9-12-89, Cl. 73-29.00
Moritz, Werner, to Kabelschlepp GmbH. Guide chain. 4,80 1-31-89, Cl. 59-78.100.
Moriuchi, Hisahiro: *See—*
Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Mo Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriu Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda shifumi, 4,805,143, Cl. 365-104.000.
Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshi Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ich Kaga, Toru; and Kure, Tokuo, to Hitachi, Ltd. Method of mak semiconductor memory device with recessed array region. 4,8 11-21-89, Cl. 437-52.000.
Moriuchi, Yousuke: *See—*
Kousai, Tadashi; Moriuchi, Yousuke; and Ishida, Toshi 4,830,805, Cl. 264-209.800.
Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, You 4,874,374, Cl. 604-164.000.

Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, 4,883,468, Cl. 604-164.000.
Moriwaki, Eijin: *See—*
Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, 4,881,144, Cl. 360-125.000.
Moriwaki, Hideaki: *See—*
Fujii, Hiroshi; Iio, Tsukasa; Genba, Yasusi; Moriwaki, Hideaki; and Mochizuki, Yoshinori, 4,882,556, Cl. 335-8.000.
Iio, Tsukasa; Mochizuki, Yoshinori; Fujii, Hiroshi; Genba, Yasusi; and Moriwaki, Hideaki, 4,799,037, Cl. 335-46.000.
Iio, Tsukasa; Mochizuki, Yoshinori; Genba, Yasusi; Fujii, Hiroshi; and Moriwaki, Hideaki, 4,808,953, Cl. 335-42.000.
Moriwaki, Hisayoshi, to Sony Corporation. Error correction apparatus for digital data. 4,796,261, 1-3-89, Cl. 371-40.000.
Moriwaki, Hisayoshi; and Nakano, Kenji, to Sony Corporation. Rotary head digital audio tape recorder with multiple recording modes. 4,816,926, 3-28-89, Cl. 360-8.000.
Moriwaki, Kazuyuki: *See—*
Murakami, Toshiaki; and Moriwaki, Kazuyuki, 4,888,202, Cl. 427-42.000.
Moriwaki, Ken: *See—*
Takayanagi, Takashi; Munekata, Seiji; Miyazaki, Nobuyuki; and Moriwaki, Ken, 4,861,667, Cl. 428-421.000.
Moriwaki, Minoru: *See—*
Tahara, Tetsuya; Moriwaki, Minoru; Abe, Masao; and Yuasa, Shuji, 4,820,703, Cl. 514-220.000.
Moriwaki, Nobuyuki: *See—*
Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
Minato, Osamu; Masuhara, Toshiaki; Ishibashi, Koichiro; Hanamura, Shoji; Honjyo, Shigeru; and Moriwaki, Nobuyuki, 4,841,486, Cl. 365-207.000.
Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.
Moriwaki, Saburo: *See—*
Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825,935, Cl. 164-481.000.
Moriwaki, Takeshi; and Tsutsui, Kenji, to Kishimoto Sangyo Company Ltd. Plastic composite and the process for manufactring the same. 4,831,074, 5-16-89, Cl. 524-494.000.
Moriya, Hiroshi: *See—*
Kaibuki, Shigeo; Watanabe, Shinpei; Takahashi, Mitsugu; and Moriya, Hiroshi, 4,860,424, Cl. 29-434.000.
Moriya, Ikuro: *See—*
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; and Moriya, Ikuro, 4,871,456, Cl. 210-321.840.
Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
Moriya, Kaoru: *See—*
Masuko, Takayuki; Suzuki, Norio; and Moriya, Kaoru, 4,839,993, Cl. 51-129.000.
Suzuki, Norio; Masuko, Takayuki; and Moriya, Kaoru, 4,832,435, Cl. 350-96.200.
Moriya, Kazumasa: *See—*
Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.
Okawa, Kazuyoshi; Moriya, Kazumasa; Kashiwazaki, Tomoyuki; Kawashima, Hiroshi; and Murakawa, Yoshitaka, 4,876,966, Cl. 104-290.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Process for the preparation of N'-sulphonyl- and N',N''-bis-sulphonyl-guanidine derivatives. 4,797,484, 1-10-89, Cl. 544-215.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, to Bayer Aktiengesellschaft. Substituted guanidine derivatives. 4,844,730, 7-4-89, Cl. 71-93.000.
Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurrsen, Klaus, to Bayer Aktiengesellschaft. Substituted guanidine derivatives. 4,880,932, 11-14-89, Cl. 544-320.000.
Moriya, Koichi: *See—*
Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, 4,812,454, Cl. 514-256.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,812,571, Cl. 546-296.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,845,106, Cl. 514-342.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Moriya, Koichi; and Shibuya, Katsuhiko, 4,880,933, Cl. 544-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
Moriya, Masaichi: *See—*
Seko, Osamu; and Moriya, Masaichi, 4,818,003, Cl. 292-336.300.
Moriya, Masayoshi: *See—*
Kuwabara, Youhei; Asaoka, Teruo; Moriya, Masayoshi; Iwasaki, Yasuhiro; and Sugiyama, Haruki, 4,800,006, Cl. 204-129.430.
Moriya, Mikio; Furukawa, Junichi; Kawasaki, Makoto; and Iesaka, Tsutomu, to Citizen Watch Co. Ltd. Toothed belt and split pin carriage drive. 4,795,285, 1-3-89, Cl. 400-320.000.
Moriya, Mikio, to Citizen Watch Co., Ltd. Multiple sheet feed apparatus for a printer. 4,832,244, 5-23-89, Cl. 226-115.000.
Moriya, Mirsuro: *See—*
Shiragami, Kazuharu; Moriya, Mirsuro; and Yamaguchi, Hiroyuki, 4,833,664, Cl. 369-44.000.
Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazuharu; Yamaguchi, Hiroyuki; and Watanabe, Katsuya, to Matsushita Electric Industrial Co., Ltd. Track jump detection system. 4,807,206, 2-21-89, Cl. 369-32.000.
Moriya, Shigeru, to Minolta Camera Kabushiki Kaisha. Digital color printer. 4,851,927, 7-25-89, Cl. 358-300.000.
Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, to Takashimaya Nippatsu Kogyo Co., Ltd. Process for producing interior vehicular trim. 4,867,829, 9-19-89, Cl. 156-251.000.
Moriya, Susumu: *See—*
Ishida, Hideo; Moriya, Susumu; Taya, Takuo; and Shimokata, Hiroshi, 4,817,750, Cl. 180-168.000.
Sawa, Eiji; Moriya, Susumu; Fukuda, Hiroya; and Ohashi, Takashi, 4,842,926, Cl. 428-224.000.
Moriya, Takao: *See—*
Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.
Moriya, Takashi; Kunita, Masao; and Endo, Toshihiro, to Citizen Watch Co., Ltd. Print head for a dot-printer. 4,795,283, 1-3-89, Cl. 400-124.000.
Moriya, Takehiro: *See—*
Honda, Masaaki; and Moriya, Takehiro, 4,850,022, Cl. 381-36.000.
Moriya, Tatsuo, to Seiko Epson Corporation. Sensor mount for an electronic timepiece. 4,876,677, 10-24-89, Cl. 368-87.000.
Moriya, Tetsuo: *See—*
Kondo, Susumu; and Moriya, Tetsuo, 4,826,917, Cl. 525-59.000.
Kondo, Susumu; Moriya, Tetsuo; and Aoyama, Hiroshi, 4,880,886, Cl. 526-80.000.
Moriya, Tomoyuki: *See—*
Suzuki, Takami; Tatara, Yoshikuni; and Moriya, Tomoyuki, 4,874,264, Cl. 400-335.000.
Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.
Moriya, Tsutomu; and Nozaki, Hiroshi, to NGK Insulators, Ltd. Suspension insulator. 4,803,311, 2-7-89, Cl. 174-182.000.
Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, to Nippon Oil & Fats Co., Ltd. Method for production of graft resin composition. 4,839,423, 6-13-89, Cl. 525-80.000.
Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, to Nippon Oil and Fats Co., Ltd. Method of manufacturing a grafted resin composition. 4,839,432, 6-13-89, Cl. 525-303.000.
Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, to Nippon Oil and Fats Co., Ltd. Graft polymerization preformer and method of manufacturing the same. 4,877,841, 10-31-89, Cl. 525-286.000.
Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, to Nippon Oil and Fats Co., Ltd. Graft polymerization preformer and method of manufacturing the same. 4,879,347, 11-7-89, Cl. 525-263.000.
Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, to Yagi, Antenna Co., Ltd. Indoor wiring system for VHF/UHF signal lines. 4,864,632, 9-5-89, Cl. 455-3.000.
Moriyama, Hiroshi, to Sharp Kabushiki Kaisha. Paper shredder paper feeding system. 4,821,967, 4-18-89, Cl. 241-37.500.
Moriyama, Hiroshi: *See—*
Yabe, Akira; Ouchi, Akihiko; Moriyama, Hiroshi; and Masuda, Etsuro, 4,875,986, Cl. 204-157.600.
Moriyama, Hitoshi: *See—*
Watanabe, Yoshiharu; Shimizu, Hisayuki; Ito, Mineo; and Moriyama, Hitoshi, 4,861,378, Cl. 106-314.000.
Moriyama, Jiro, to Canon Kabushiki Kaisha. Apparatus for driving and controlling a printing head carriage. 4,832,518, 5-23-89, Cl. 400-322.000.
Moriyama, Jiro, to Canon Kabushiki Kaisha. Recorder. 4,847,638, 7-11-89, Cl. 346-140.00R.
Moriyama, Kazuhiko: *See—*
Kuwahara, Wataru; Shirai, Etsuo; Nagamatsu, Hiroaki; and Moriyama, Kazuhiko, 4,862,760, Cl. 74-473.00R.
Moriyama, Keiji, to Nikon Corporation. Telephoto zoom lens. 4,840,469, 6-20-89, Cl. 350-427.000.

Moriyama, Ko: *See*—
Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
Moriyama, Koichi: *See*—
Taniguchi, Hideaki; Moriyama, Koichi; Kawasaki, Osamu; and Iwamoto, Ken-ichi, 4,796,049, Cl. 355-3.0FU.
Moriyama, Masao. Gas expelling equipment for use in a viscous-material kneader. 4,824,448, 4-25-89, Cl. 55-190.000.
Moriyama, Masao. Apparatus for producing screw feeders for a plastic injection-molding machine. 4,867,667, 9-19-89, Cl. 425-190.000.
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Moriyama, Osamu; Fujita, Akio; and Saito, Hiroshi, to Nisshin Flour Milling Co., Ltd.; and Ma.Ma-Macaroni Co., Ltd. Extruded elongate pasta. 4,816,281, 3-28-89, Cl. 426-144.000.
Moriyama, Shigeo; Kurosaki, Toshiei; Terasawa, Tsuneo; Okazaki, Shinji; and Kawamura, Yoshio, to Hitachi, Ltd. Pattern printing method and apparatus. 4,798,470, 1-17-89, Cl. 356-401.000.
Moriyama, Shigeo: *See*—
Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.
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Moriyama, Takaaki: *See*—
Konishi, Toshiharu; Ushiro, Hiroyuki; and Moriyama, Takaaki, 4,844,973, Cl. 428-286.000.
Moriyama, Takamasa: *See*—
Iwanami, Teruo; Moriyama, Takamasa; and Asano, Kuniyoshi, 4,883,696, Cl. 428-35.400.
Moriyama, Teruko, to Moriyama, Teruko; and Yamamoto, Sohei. General-purpose management system. 4,851,999, 7-25-89, Cl. 364-401.000.
Moriyama, Yasuyuki, to Takara Co., Ltd. Cassette music box. 4,879,938, 11-14-89, Cl. 84-95.200.
Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, to Mitsubishi Denki Kabushiki Kaisha. Control apparatus for energy beam hardening. 4,825,035, 4-25-89, Cl. 219-121.610.
Moriyasu, Masaharu; Morita, Takeshi; and Ohmine, Megumi, to Mitsubishi Denki Kabushiki Kaisha. Laser machining apparatus. 4,873,417, 10-10-89, Cl. 219-121.600.
Moriyasu, Masaharu: *See*—
Morita, Takeshi; Moriyasu, Masaharu; and Ohmine, Megumi, 4,814,576, Cl. 219-121.600.
Morizono, Masahiko: *See*—
Mogi, Takao; and Morizono, Masahiko, 4,810,958, Cl. 324-73.00R.
Morizumi, Yoshiaki, to Dainippon Screen Mfg. Co., Ltd. Optical beam-splitting arrangements on image side of a lens. 4,823,202, 4-18-89, Cl. 358-294.000.
Morkoc, Hadis; Klem, John; Masselink, William T.; Henderson, Timothy S.; and Ketterson, Andrew A., to University of Illinois. Semiconductor device with strained InGaAs layer. 4,827,320, 5-2-89, Cl. 357-22.000.
Morkoc, Hadis; and Fischer, Russ, to University of Illinois. Heterojunction semiconductor device with <001> tilt. 4,872,046, 10-3-89, Cl. 357-60.000.
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Belloc, Jacques; Morlec, Emile; Godard, Dominique; and Quintin, Michel, 4,887,257, Cl. 370-32.100.
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Morley, Edwin W.: *See*—
Assenheim, Harry M.; and Morley, Edwin W., 4,818,049, Cl. 350-96.150.
Morley Furniture Spring Corporation: *See*—
Crosby, Lawton H., 4,815,717, Cl. 267-110.000.
Crosby, Lawton H., 4,846,450, Cl. 267-112.000.
Morley, Peter: *See*—
McNally, Lance; and Morley, Peter, 4,831,634, Cl. 375-8.000.
Morley, Peter S.: *See*—
McNally, Lance; Booth, Anthony J.; and Morley, Peter S., 4,879,716, Cl. 371-8.200.
Morley, Steven A.: *See*—
Paneth, Eric; Handzel, Mark J.; Morley, Steven A.; and Avis, Graham M., 4,817,089, Cl. 370-95.000.
Morlock, Roland: *See*—
Oberkobusch, Doris; Morlock, Roland; Stritzke, Karl-Heinz; and Schieferstein, Ludwig, 4,859,721, Cl. 523-402.000.
Morman, Michael T., to Kimberly-Clark Corporation. Thermoplastic polymer blends and nonwoven webs prepared therefrom. 4,806,598, 2-21-89, Cl. 525-63.000.
Morman, Michael T.; Greene, Sharon L.; Pazos, Jose F.; and Rodriguez, Augusto, to Kimberly-Clark Corporation. Meltblown superabsorbent thermoplastic compositions. 4,820,577, 4-11-89, Cl. 428-228.000.
Morman, Michael T., to Kimberly-Clark Corporation. Thermoplas polymer blends and nonwoven webs prepared therefrom. 4,828,91 5-9-89, Cl. 428-288.000.
Mormann, Werner; and Leukel, Gabriele, to Bayer Aktiengesellschaft Process for the preparation of isocyanates and their use for the prep ration of polyisocyanates containing ester. 4,870,198, 9-26-89, C 556-414.000.
Mormann, Werner; and Leukel, Gabriele, to Bayer Aktiengesellschaft Process for the preparation of isocyanates and their use for the prep ration of polyisocyanates containing ester groups. 4,886,90 12-12-89, Cl. 560-106.000.
Mormile, Patrick J., to Monsanto Company. Blocked acid catalys 4,835,227, 5-30-89, Cl. 525-509.000.
Mormile, Patrick J., to Monsanto Company. Resin systems cured wi blocked acid catalysts. 4,839,427, 6-13-89, Cl. 525-162.000.
Morningfield Limited: *See*—
Duncan, Ian J., 4,831,684, Cl. 15-340.100.
Moro, Hideharu; and Narumiya, Yoshikazu, to TDK Corporation Magnetic particles, method for making and electromagnetic clut using same. 4,882,224, 11-21-89, Cl. 428-403.000.
Moro, Ken: *See*—
Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaha and Sekine, Yoshio, 4,853,723, Cl. 354-145.100.
Akabane, Jun; Moro, Ken; and Yamamoto, Masayasu, 4,857,96 Cl. 354-288.000.
Moroe, Tomomi, to Omron Tateisi Electronics Co. Terminal provid with a printer. 4,840,344, 6-20-89, Cl. 248-676.000.
Morofushi, Yoshikazu, to Tokyo Electric Co., Ltd. Ticket issu apparatus. 4,866,256, 9-12-89, Cl. 235-433.000.
Morohashi, Katsuei, to Kabushiki Kaisha Toshiba. Color image disp tube apparatus. 4,849,676, 7-18-89, Cl. 315-368.000.
Morohashi, Katsuei; Shimokobe, Jiro; and Shimoma, Taketoshi, Kabushiki Kaisha Toshiba. Cathode ray tube apparatus with i proved deflection unit. 4,876,478, 10-24-89, Cl. 313-413.000.
Morohashi, Katsuei: *See*—
Shimoma, Taketoshi; Morohashi, Katsuei; and Shimokobe, Jir 4,881,015, Cl. 315-371.000.
Morohashi, Kazuo; Miyake, Nobuyuki; and Gonda, Tsunemi, to Nac Corporation. Self-conscious type eye examining apparatus. 4,798,4 1-17-89, Cl. 351-235.000.
Morohashi, Tsuyoshi: *See*—
Takezawa, Keisuke; Kamimori, Masatsugu; Morohashi, Tsuyos and Kubozono, Takashi, 4,850,591, Cl. 273-85.00G.
Morohoshi, Hideo: *See*—
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutak Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomi Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Tosh Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kand Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,4 Cl. 424-69.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutak Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomi Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Tosh Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kand Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,4 Cl. 428-403.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutak Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommi Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Tosh Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kand Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,2 Cl. 428-405.000.
Morohoshi, Kunichika: *See*—
Suzuki, Akira; Mochizuki, Nobuo; Tasaka, Motoo; and Morohosh Kunichika, 4,818,605, Cl. 428-321.300.
Suzuki, Akira; and Morohoshi, Kunichika, 4,867,144, C 428-321.500.
Suzuki, Akira; Mochizuki, Nobuo; and Morohoshi, Kunichik 4,871,609, Cl. 428-195.000.
Morohoshi, Mikio: *See*—
Hojo, Takeshi; Yamamoto, Kanshi; Morohoshi, Mikio; and Ha Fuyuki, 4,831,544, Cl. 364-453.000.
Morohoshi, Naoya: *See*—
Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; An Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, C 427-161.000.
Moroi, Shirou: *See*—
Kita, Yasushi; and Moroi, Shirou, 4,859,444, Cl. 423-439.000.
Morokawa, Shigeru, to Citizen Watch Co., Ltd. Liquid crystal disp having opaque portions on the electrodes. 4,824,213, 4-25-89, C 350-336.000.
Morokawa, Shigeru; and Suzuki, Fuminori, to Citizen Watch Co., Lt Selecting electrode drive circuit for a matrix liquid crystal disp 4,843,252, 6-27-89, Cl. 307-264.000.
Morokoshi, Hiroshi: *See*—
Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hirosh Yamamura, Michio; and Muramatsu, Shigeru, 4,846,435, C 418-55.000.
Moronaga, Yoshiharu: *See*—
Hayafuchi, Hideki; Moronaga, Yoshiharu; and Nakano, Kiyom 4,858,339, Cl. 36-45.000.
Moroney, Edward E., to Cyril Bath Company, The. Method a apparatus for forming elongate tubular members into a predetermin shape while extrusion is gas pressurized and product. 4,803,8 2-14-89, Cl. 72-296.000.

Moroney, Edward E., to Cyril Bath Company, The. Method and apparatus for forming an elongate member into a predetermined shape. 4,815,308, 3-28-89, Cl. 72-296.000.
Moroney, Edward E., to Cyril Bath Company, The. Extrusion former with three-way powered movement. 4,827,753, 5-9-89, Cl. 72-296.000.
Moroney, John W.; and Ralli, Jugal K., to Spalding & Evenflo Companies, Inc. Crib spring hanger assembly. 4,802,248, 2-7-89, Cl. 5-11.000.
Moroney, Paul: *See*—
Bennett, Christopher J.; Harding, Michael V.; and Moroney, Paul, 4,864,615, Cl. 380-21.000.
Walker, Gordon K.; Katznelson, Ron D.; Moroney, Paul; and Moerder, Karl E., 4,809,274, Cl. 371-37.000.
Morong, Thomas: *See*—
Karalis, Anastasios; Morong, Thomas; and Juszkiewicz, Charles, 4,864,060, Cl. 564-292.000.
Moroni, Renato; and Brocci, Marino, to Montedipe S.p.A. Polyols-polyesters and use thereof in the production of polyurethane foams. 4,803,230, 2-7-89, Cl. 521-168.000.
Morooka, Isao: *See*—
Iwata, Yamahiro; Oba, Yoichi; and Morooka, Isao, 4,837,050, Cl. 427-96.000.
Morooka, Takayoshi: *See*—
Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.
Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.
Morooka, Takuya, to Bridgestone Corporation. Lock nut with synthetic resin threading. 4,815,920, 3-28-89, Cl. 411-431.000.
Morooka, Yasuo: *See*—
Mifune, Toshimi; Morooka, Yasuo; Shojima, Hiroshi; Mori, Junko; and Fukunaga, Yasushi, 4,878,249, Cl. 382-13.000.
Morota, Makoto; and Fukuda, Junichi, to Honda Giken Kogyo Kabushiki Kaisha. Collision detector for a vehicle. 4,873,452, 10-10-89, Cl. 307-10.100.
Morota, Masao: *See*—
Nagata, Hideyuki; Kidokoro, Susumu; Morota, Masao; and Tajima, Eiichi, 4,844,757, Cl. 156-62.000.
Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, to Aisin-Warner Limited. Hydraulic control system for vehicular automatic transmission with two accumulator control values to vary back pressure to accumulator to follow the change in engine torque. 4,854,195, 8-8-89, Cl. 74-867.000.
Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, to Aisin-Warner Limited; and Toyota Jidosha Kabushiki Kaisha. Mechanism for supporting transmission shafts of automatic transmission apparatus. 4,807,492, 2-28-89, Cl. 74-606.00R.
Morotomi, Noriaki: *See*—
Takai, Hitoshi; and Morotomi, Noriaki, 4,797,735, Cl. 358-86.000.
Moroz, Chaya. Monoclonal antibodies to placental isoferritin for use in detecting oncofetal ferritin associated with breast cancer and Hodgkins disease. 4,882,270, 11-21-89, Cl. 435-7.000.
Moroz, Viktor A.: *See*—
Guskov, Valery V.; Boikov, Vladimir P.; Moroz, Viktor A.; Kozachevsky, Gennady G.; and Gorodnichev, Jury N., 4,848,720, Cl. 249-178.000.
Morozumi, Hideki: *See*—
Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, 4,838,657, Cl. 350-336.000.
Morozumi, Manami: *See*—
Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.
Morozumi, Naohiro: *See*—
Takahashi, Hiroshi; Morozumi, Naohiro; Takanezawa, Shin; and Nakao, Kiyoshi, 4,837,086, Cl. 428-506.000.
Morozumi, Naoya: *See*—
Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.
Morozumi, Shinji, to Seiko Epson Corporation. Solid state image sensor. 4,862,237, 8-29-89, Cl. 357-30.000.
Morozumi, Takuro; and Sakamoto, Masanori, to Fuji Jukogyo Kabushiki Kaisha. Engine speed control system for an automotive engine. 4,836,164, 6-6-89, Cl. 123-339.000.
Morozumi, Takuro: *See*—
Sakamoto, Masanori; and Morozumi, Takuro, 4,841,939, Cl. 123-494.000.
Morozumi, Toshiki: *See*—
Muramatsu, Masayuki; and Morozumi, Toshiki, 4,800,346, Cl. 333-140.000.
Morpeau, William A. Dribble practice device for soccer players and the like. 4,795,164, 1-3-89, Cl. 273-411.000.
Morpheus Lights, Inc.: *See*—
Hoyer, Bryan; and Richardson, John, 4,837,665, Cl. 362-96.000.
Richardson, Brian; and Richardson, John, 4,862,336, Cl. 362-285.000.
Richardson, Brian E., 4,855,884, Cl. 362-278.000.
Morr, Michael; Kakoschke, Christel; Tsai, Hsin; and Getzlaff, Rita, to Gesellschaft fur Biotechnologische Forschung mbh (GBF). Pyocyanine derivatives and process for their manufacture. 4,845,222, 7-4-89, Cl. 544-347.000.
Morra, Luigi, to Industrie Riunite SPA. Inductance sensor and circuit arrangement for the detection of vehicle attitude. 4,856,098, 8-8-89, Cl. 324-207.000.
Morra, Luigi, to Industrie Riunite S.p.A. Transformer device for the detection of vehicle attitude. 4,866,437, 9-12-89, Cl. 340-870.360.
Morrall, Robin A. A.; Turkington, T. K.; Gugel, Richard K.; and Rude, Sheldon V., to Canadian Patents & Development Ltd. Forecasting the risk of sclerotinia stem rot in crops. 4,837,146, 6-6-89, Cl. 435-34.000.
Morrell, Albert M.: *See*—
D'Amato, Ralph I.; Godfrey, Richard H.; Morrell, Albert M.; and Ragland, Frank R., Jr., 4,887,001, Cl. 313-461.000.
Morrell, John R., to Hubco Industries, Inc. Snowplow mounting assembly for front-end loaders. 4,813,164, 3-21-89, Cl. 37-117.500.
Morrell, Mark L.: *See*—
Carpenter, Larry L.; Morrell, Mark L.; and Schrauth, Peter A., 4,883,528, Cl. 65-275.000.
Morrell, Terence R. Wireline running and pulling tool. 4,848,820, 7-18-89, Cl. 294-86.180.
Morrey, Kevin P.: *See*—
Robinson, James N.; Wood, Gary L.; Morrey, Kevin P.; and Bossert, Clayton E., 4,866,796, Cl. 5-62.000.
Morrey, Walter T.; and Hansen, Henry L., to Household Data Services (HDS). Television scrambling system. 4,870,682, 9-26-89, Cl. 380-46.000.
Morrill, Giles W. Motor mount and method of making. 4,805,289, 2-21-89, Cl. 29-428.000.
Morrill, Giles W. Motor mount. 4,849,667, 7-18-89, Cl. 310-91.000.
Morrill Glasstek, Inc.: *See*—
Morrill, Vaughan, Jr.; Scandrett, John H.; and Hudson, David K., 4,860,437, Cl. 29-623.000.
Morrill, Vaughan, Jr.; Scandrett, John H.; and Hudson, David K., to Morrill Glasstek, Inc. Method of making a sub-miniature fuse. 4,860,437, 8-29-89, Cl. 29-623.000.
Morrill, Wayne J. Water-resistant motor. 4,827,166, 5-2-89, Cl. 310-88.000.
Morrill, Wayne J. Method of winding a three-phase, one-third pitch motor. 4,847,982, 7-18-89, Cl. 29-596.000.
Morrill, Wayne J. Electric motor assembly. 4,853,572, 8-1-89, Cl. 310-90.000.
Morris, Alan J.; and Coe, Merlin D., to Kerr-McGee Chemical Corporation. System for increasing the capacity of a titanium dioxide producing process. 4,803,056, 2-7-89, Cl. 422-156.000.
Morris, Alvan. Dental identification system. 4,797,101, 1-10-89, Cl. 433-229.000.
Morris, Antone W. Flow and seismic sensitive safety valve for gaseous fluids. 4,883,081, 11-28-89, Cl. 137-39.000.
Morris, Arthur J.: *See*—
Going, Walter S., III; Pringle, Ronald E.; and Morris, Arthur J., 4,844,166, Cl. 166-379.000.
Morris, Augustus, Jr.: *See*—
Repperger, Daniel W.; and Morris, Augustus, Jr., 4,842,607, Cl. 623-24.000.
Morris, Bernard L.; Nagy, Jeffrey J.; and Walter, Lawrence A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Integrated circuit resistor. 4,830,976, 5-16-89, Cl. 437-47.000.
Morris, Betty J.: *See*—
Mead, Theodore C.; and Morris, Betty J., 4,866,632, Cl. 364-501.000.
Morris, Carlton E.; Loretan, Philip A.; Bonsi, Conrad K.; and Hill, Walter A., to Tuskegee University. Movable root contact-pressure plate assembly for hydroponic system. 4,860,490, 8-29-89, Cl. 47-63.000.
Morris, Charles; and Bateson, George, to Ogilvie Mills, Inc. Dried nutmeat and starch food product and process. 4,800,097, 1-24-89, Cl. 426-632.000.
Morris, Cynthia. Butter container. 4,804,102, 2-14-89, Cl. 220-93.000.
Morris, Daniel L.; McManus, Michael; and Remis, Robert J., to Xerox Corporation. Fuser system utilizing a pressure web. 4,822,978, 4-18-89, Cl. 219-216.000.
Morris, David A. N., to Miles Inc. Device and method for chemical analysis of fluids with a reagent coated light source. 4,820,490, 4-11-89, Cl. 422-58.000.
Morris, David B.: *See*—
Hauser, Ambrose A.; Wakeman, Thomas G.; Strock, William J.; and Morris, David B., 4,863,352, Cl. 416-204.00R.
Morris, David J.: *See*—
Dummermuth, Ernst H.; Morris, David J.; and Korba, Michael F., 4,831,510, Cl. 364-167.010.
Morris, David L.; Filip, Mihail; D'Amelio, Frank D.; Esposito, Dominick G.; and Quint, Robert H., to Circon Corporation. Inspection instrument channel aspirator and pressure neutralizing device. 4,874,364, 10-17-89, Cl. 604-35.000.
Morris, David R.: *See*—
Fray, Derek J.; and Morris, David R., 4,879,005, Cl. 204-1.00T.
Morris, Don L., to Eastman Kodak Company. Triethylamine catalyzed neopentyl glycol production utilizing a gas sparged reactor. 4,851,592, 7-25-89, Cl. 568-853.000.
Morris, Don L.; Palmer, Billy W.; and McAninch, Thomas W., to Eastman Kodak Company. Process for the production of neopentyl glycol. 4,855,515, 8-8-89, Cl. 568-862.000.
Morris, Donald E.: *See*—
Pennypacker, Carl; Morris, Donald E.; and Tans, Pieter P., 4,817,622, Cl. 128-664.000.

Morris, Donald R.: *See*—
  Moore, Brian K.; and Morris, Donald R., 4,865,131, Cl. 166-384.000.
Morris, Francis E. Trailer hitch ball assembly. 4,889,356, 12-26-89, Cl. 280-416.100.
Morris, Frank I.; and Kroetz, Whitney B., to Unisys Corp. Visco-elastic couple for magnet actuator. 4,825,984, 5-2-89, Cl. 188-378.000.
Morris, Frank I.; and Kroetz, Whitney B., to Unisys Corp. Controlled drag for magnet actuator. 4,827,162, 5-2-89, Cl. 310-13.000.
Morris, George E.: *See*—
  Lucy, Andrew R.; and Morris, George E., 4,816,595, Cl. 558-277.000.
Morris, George H.; Michalchuk, Donald M.; and Harper, Lyle, to Morris Rob-Weeder Company, Ltd. Cultivator sweep with pair of rearwardly extending downturned rigid flaps. 4,850,435, 7-25-89, Cl. 172-730.000.
Morris, George L.: *See*—
  Brown, Richard L.; and Morris, George L., 4,824,293, Cl. 405-284.000.
Morris, George L., III: *See*—
  Forte, Gary L.; Brown, Richard L.; Miller, Wayne; Morris, George L., III; and Prior, Michael D., 4,804,299, Cl. 405-285.000.
Morris, George M., to University of Rochester. Opto-electronic random number generating system and computing systems based thereon. 4,833,633, 5-23-89, Cl. 364-717.000.
Morris, George R.: *See*—
  Votruba, Jan; and Morris, George R., 4,887,038, Cl. 324-318.000.
Morris, Glenn H., Sr. Child resistant cigarette lighter. 4,832,596, 5-23-89, Cl. 431-153.000.
Morris, Gregory J. E., to Dow Chemical Company, The. Combination electrolysis cell seal member and membrane tentering means for a filter press type electrolytic cell. 4,886,586, 12-12-89, Cl. 204-128.000.
Morris, Gregory J. E.: *See*—
  Beaver, Richard N.; and Morris, Gregory J. E., 4,877,499, Cl. 204-98.000.
  Burney, Harry S., Jr.; Morris, Gregory J. E.; Beaver, Richard N.; and Spradling, Robert D., 4,839,012, Cl. 204-255.000.
Morris, Harvey R., Jr. Spacing member placement apparatus. 4,822,231, 4-18-89, Cl. 414-789.500.
Morris, Hugh C.: *See*—
  Blake, William W.; Golan, Kenneth F.; Coutant, Alan R.; and Morris, Hugh C., 4,865,176, Cl. 192-3.630.
Morris, James: *See*—
  Dobreski, David V.; Metz, Robert J.; and Morris, James, 4,820,589, Cl. 428-422.000.
Morris, James A.; Morris, Terry F.; and Birdsall, Frank O. Personal security system. 4,884,132, 11-28-89, Cl. 358-93.000.
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  Keeffe, William M.; Krasko, Zeya; Karlotski, Robert J.; and Morris, James C., 4,859,899, Cl. 313-25.000.
  White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,499, Cl. 220-2.10R.
  White, Philip J.; Morris, James C.; and Keeffe, William M., 4,850,500, Cl. 220-2.10R.
Morris, James K. Exhaust system for rear-engine vehicles. 4,884,399, 12-5-89, Cl. 60-313.000.
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  Deambrosio, Carlos; and Morris, James M., 4,886,201, Cl. 228-37.000.
Morris, James P., to Eley Limited. Powder dosing apparatus. 4,850,259, 7-25-89, Cl. 86-31.000.
Morris, Jeffrey: *See*—
  Sosa, Jose M.; and Morris, Jeffrey, 4,857,587, Cl. 525-53.000.
  Sosa, Jose M.; and Morris, Jeffrey, 4,861,827, Cl. 525-54.000.
Morris, Jeffrey R.; and Burlingame, Nicholas H., to Hi-Tech Ceramics, Inc. Dual structure infrared surface combustion burner. 4,889,481, 12-26-89, Cl. 431-328.000.
Morris, John A.: *See*—
  Gorman, John E.; and Morris, John A., 4,822,857, Cl. 525-245.000.
Morris, John C.; and Jackson, Winston J., Jr., to Eastman Kodak Company. Polyesters from trans-4,4'-stilbenedicarboxylic acid and 1,6-hexanediol. 4,824,931, 4-25-89, Cl. 528-298.000.
Morris, John C., to Eastman Kodak Company. Diphenyl ester derivative of stilbenedicarboxylic acid. 4,847,407, 7-11-89, Cl. 560-86.000.
Morris, John E., to Graber Industries, Inc. Curved vertical blind with slat traversing and rotation. 4,830,081, 5-16-89, Cl. 160-168.100.
Morris, John E.; and Darner, Ronald G., to Graber Industries, Inc. Vertical blind with movable auxiliary rod support. 4,848,434, 7-18-89, Cl. 160-168.100.
Morris, John E.: *See*—
  Kaucic, Edward M.; and Morris, John E., 4,827,199, Cl. 318-491.000.
Morris, John L., to Bass Pro Shops, Inc. Shad type fish bait with nose cavity. 4,887,377, 12-19-89, Cl. 43-42.240.
Morris, John L., to Bass Pro Shops, Inc. Tandem blade spinner bait. 4,888,908, 12-26-89, Cl. 43-42.140.
Morris, John M.: *See*—
  Gabrlik, Zdenek; Morris, John M.; and Green, Charles J., 4,886,089, Cl. 137-202.000.
Morris, Joseph H.; Jarski, Edmund J.; and Harris, Gregory E., to United States of America, Navy. Variable capacity centrifugal pump. 4,828,454, 5-9-89, Cl. 415-48.000.
Morris, Kavin J.: *See*—
  Haley, Jerry L.; Barber, Weldon H.; and Morris, Kavin J., 4,871,019, Cl. 166-167.000.
Morris, Leslie C.; and Amdall, John K., to Caterpillar Inc. Connecting rod assembly. 4,836,043, 6-6-89, Cl. 74-579.00E.
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  Frick, Richard H.; Kons, Hugo L.; and Morris, Marion C., 4,802,636, Cl. 242-67.10R.
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  Dietz, Raymond; and Morris, Mark E., 4,817,322, Cl. 42-91.000.
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  Bishop, Dolores; and Morris, Mark M., 4,827,923, Cl. 128-206.110.
Morris, Marvin L.: *See*—
  Lindstrom, Edgar K.; and Morris, Marvin L., 4,871,027, Cl. 172-40.000.
  Schroeder, Philip W.; Morris, Marvin L.; and Youngers, Stephen A., 4,794,708, Cl. 37-86.000.
Morris, Merle E.: *See*—
  Fields, Larry R.; Martin, Michael L.; and Morris, Merle E., 4,868,451, Cl. 313-279.000.
Morris, Michael; and Vickers, John, to Oxley Developments Company Limited. Metallizing paste. 4,799,958, 1-24-89, Cl. 106-1.120.
Morris, Michael D.; Pang, Teng-Ke J.; and Peck, Konan, to University of Michigan, The Regents of the. Liquid chromatography absorbance detector. 4,795,262, 1-3-89, Cl. 356-436.000.
Morris, Michael D.: *See*—
  Howe, Paul R.; and Morris, Michael D., 4,809,317, Cl. 379-98.000.
  McBride, Daniel T.; Gregory, Richard V.; and Morris, Michael D., 4,846,845, Cl. 8-114.600.
Morris, Paul A.: *See*—
  Pagen, Charles A.; Stepien, George, Jr.; and Morris, Paul A., 4,871,605, Cl. 428-141.000.
Morris, Paul F.: *See*—
  Adler, Richard S.; and Morris, Paul F., 4,850,210, Cl. 70-383.000.
Morris, Paul K.: *See*—
  Thrift, Robert L.; and Morris, Paul K., 4,885,549, Cl. 324-307.000.
Morris, Peter: *See*—
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Morris, Peter T., to Ford Motor Company. Cooling system for an internal combustion engine. 4,836,147, 6-6-89, Cl. 123-41.440.
Morris, Randall E. Concanavalin A dimers as therapeutic agents. 4,889,842, 12-26-89, Cl. 514-8.000.
Morris, Richard W.: *See*—
  Wong, Walter; Embery, John M.; and Morris, Richard W., 4,870,525, Cl. 360-137.000.
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Morris Rob-Weeder Company, Ltd.: *See*—
  Morris, George H.; Michalchuk, Donald M.; and Harper, Lyle, 4,850,435, Cl. 172-730.000.
Morris, Robert A.; Panus, Irenaeus S.; and Castonguay, Roger N., to General Electric Company. Molded case circuit breaker with contact status indicating handle. 4,796,154, 1-3-89, Cl. 361-353.000.
Morris, Robert A.; and Yu, Yuet-Ying, to General Electric Company. Molded case circuit breaker trip indicator unit. 4,801,906, 1-31-89, Cl. 335-17.000.
Morris, Robert A.; Mitsch, James M.; Panus, Irenaeus S.; Yu, Yuet-Ying; and Castonguay, Roger N., to General Electric Company. Method of making molded case circuit breaker contact arrangement. 4,803,774, 2-14-89, Cl. 29-622.000.
Morris, Robert A.; and Castonguay, Roger N., to General Electric Company. Molded case circuit breaker interlock arrangement. 4,827,089, 5-2-89, Cl. 200-50.00C.
Morris, Robert A.; and Castonguay, Roger N., to General Electric Company. Molded case circuit breaker handle for automated assembly. 4,843,359, 6-27-89, Cl. 335-6.000.
Morris, Robert A.: *See*—
  Castonguay, Roger N.; Morris, Robert A.; Dziura, Richard A.; Scott, Graham A.; and DiVincenzo, Gregory T., 4,806,893, Cl. 335-20.000.
  Palmieri, Joseph M.; Castonguay, Roger N.; Arnold, David; and Morris, Robert A., 4,809,132, Cl. 361-353.000.
  Yu, Yuet-Ying; Morris, Robert A.; Rajotte, Paul T.; and Wambolt, Lee A., 4,831,221, Cl. 200-553.000.
Morris, Robert C.; Schroeder, Norman G.; Kuper, Jerry W.; Shand, Michael L.; and Barrett, Joseph J., to Allied-Signal Inc. Unitary solid-state laser. 4,835,786, 5-30-89, Cl. 372-72.000.
Morris, Robert D., II; Murphey, Richard W.; and Swanton, David K., to National By-Products, Inc. Storage tank assembly for bulk fat and method for using same. 4,844,927, 7-4-89, Cl. 426-307.000.
Morris, Robert E.; Witherspoon, Clark D.; and Goggans, William E., Jr., to Vitreoretinal Development, Inc. Parallel infusion apparatus and method. 4,813,927, 3-21-89, Cl. 604-23.000.
Morris, Robert E., Jr.: *See*—
  Anderson, Mark R.; and Morris, Robert E., Jr., 4,831,652, Cl. 381-1.000.
Morris Rod-Weeder Co., Ltd.: *See*—
  Butuk, Fred N.; and Hantke, Glenn M., 4,834,004, Cl. 111-200.000.
  Just, Murray K.; Grodecki, Lawrence S.; Henry, James W.; and Hantke, Glenn M., 4,813,489, Cl. 172-175.000.

Morris, Roger E.: *See*—
  Riew, Changkiu K.; and Morris, Roger E., 4,883,841, Cl. 525-148.000.
Morris, Ronald N.: *See*—
  Higham, Graham J.; Morris, Ronald N.; and Pruitt, Gerald R., 4,860,543, Cl. 62-6.000.
Morris, Ronald R., to Chicopee. Apertured film facing and method of making the same. 4,820,294, 4-11-89, Cl. 604-383.000.
Morris, Scott S.; and Daniels, George R., to Honeywell Bull Inc. Printer apparatus having two-sided printing capability. 4,796,066, 1-3-89, Cl. 355-26.000.
Morris, Scott S.: *See*—
  Bettendorf, Richard A.; and Morris, Scott S., 4,852,785, Cl. 226-42.000.
Morris, Sheldon A. Pipe repair device. 4,889,167, 12-26-89, Cl. 138-99.000.
Morris, Stephen M., to GenCorp Inc. Sports glove. 4,864,659, 9-12-89, Cl. 2-161.00A.
Morris, Steven A.; Mount, Houston B., II; and Penn, John T., to Amoco Corporation. Method and apparatus for logging a borehole. 4,837,753, 6-6-89, Cl. 367-69.000.
Morris, Steven A.: *See*—
  Hutchens, Chriswell G.; and Morris, Steven A., 4,796,237, Cl. 367-35.000.
Morris, Steven J.: *See*—
  Dana, David E.; Davis, Richard A.; Hudson, Howard J.; and Morris, Steven J., 4,808,478, Cl. 428-391.000.
Morris, Steven T.: *See*—
  Kelly-Fry, Elizabeth; and Morris, Steven T., 4,872,346, Cl. 73-627.000.
Morris, Susan B., to Phosphate Engineering & Construction Co., Inc. Removal of cationic impurities from inorganic solutions. 4,861,490, 8-29-89, Cl. 210-669.000.
Morris, Susan M.; Ellis, Margaret D.; and Thomas, Thomas J., to Mobay Corporation. Removal of excess halide ions in aqueous liquid formulations of basic dyestuffs. 4,813,974, 3-21-89, Cl. 8-657.000.
Morris, Todd E. Device for editing a reproduction. 4,813,764, 3-21-89, Cl. 350-235.000.
Morris, Terry F.: *See*—
  Morris, James A.; Morris, Terry F.; and Birdsall, Frank O., 4,884,132, Cl. 358-93.000.
Morris, Thomas E.; Spencer, Rae L.; and Gimber, Gerald A., to Dow Chemical Company, The. Removal and recycling of catalysts in chlorinated process streams. 4,827,060, 5-2-89, Cl. 570-250.000.
Morris, William E., to Pyramid Industries, Inc. Coaxial cable connector and method of terminating a cable using same. 4,854,893, 8-8-89, Cl. 439-578.000.
Morris, William I.: *See*—
  Sparer, Steven J.; and Morris, William I., 4,815,870, Cl. 400-120.000.
Morrise, Matthew C. P., to North American Philips Corporation, Signetics Division. Counter with glitchless terminal count indication. 4,839,910, 6-13-89, Cl. 377-28.000.
Morrish, Peter G. A.; and Edwards, William B., to Morrish, Peter G. A.; and Morrish, Priscilla D. Spring clip. 4,878,276, 11-7-89, Cl. 24-511.000.
Morrish, Priscilla D.: *See*—
  Morrish, Peter G. A.; and Edwards, William B., 4,878,276, Cl. 24-511.000.
Morrison, Andrew D., to United States of America, National Aeronautics and Space Administration. Liquid encapsulated crystal growth. 4,824,520, 4-25-89, Cl. 156-620.100.
Morrison, Andrew D., to United States of America, Administrator, National Aeronautics and Space Administration. Ribbon growing method and apparatus. 4,861,416, 8-29-89, Cl. 156-608.000.
Morrison, Andrew I.; Rozier, Charles; and Reuter, Robert, to Knoll International, Inc. Electrical housing assembly for removable placement on a table top. 4,828,513, 5-9-89, Cl. 439-527.000.
Morrison, Barry: *See*—
  Boad, Robert H.; Olla, Michael A.; Morrison, Barry; and Garrison, Lisa C., 4,815,595, Cl. 206-329.000.
Morrison Berkshire, Inc.: *See*—
  Stanislaw, Peter P., 4,830,351, Cl. 270-31.000.
  Stanislaw, Peter P., 4,884,324, Cl. 28-107.000.
Morrison, Carl C.: *See*—
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Morrison, Charles B.: *See*—
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Morrison, Charles F., Jr., to Granville-Phillips Company. Temperature compensation for pressure gauge. 4,866,640, 9-12-89, Cl. 364-558.000.
Morrison, Crystal A. In-package ripening of blue cheese curds. 4,824,682, 4-25-89, Cl. 426-8.000.
Morrison, David G. Processed peat poultry litter for confined enclosures. 4,827,871, 5-9-89, Cl. 49-1.000.
Morrison, Donald A., to Monarch Marking Systems, Inc. Method and apparatus for converting hand-held thermal labeler to a table top printer. 4,846,924, 7-11-89, Cl. 156-384.000.
Morrison, Donald R. Screed frame and stiffening apparatus. 4,806,047, 2-21-89, Cl. 404-118.000.
Morrison, Donald R. Double-bearing shaft for a vibrating screed. 4,832,525, 5-23-89, Cl. 404-114.000.
Morrison, Donald R. Retaining clip and blade mounting apparatus. 4,848,999, 7-18-89, Cl. 404-112.000.
Morrison, Donald R. Blade mounting apparatus, and blade comprising same. 4,859,115, 8-22-89, Cl. 404-112.000.
Morrison, Donald R. Distributor for concrete screed, and screed assembly comprising same. 4,869,618, 9-26-89, Cl. 404-118.000.
Morrison, Donald R. Braking system for a motorized dumping vehicle. 4,877,104, 10-31-89, Cl. 180-308.000.
Morrison, Dwayne E.: *See*—
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Morrison, Gordon E.; Brooks, Christopher B.; and Gluck, Frederick G., to MCC Development, Ltd. Parallel processing method and apparatus for increasing processing throughout by parallel processing low level instructions having natural concurrencies. 4,847,755, 7-11-89, Cl. 364-200.000.
Morrison, Ian D.: *See*—
  Watson, P. Keith; Morrison, Ian D.; and Croucher, Melvin D., 4,877,698, Cl. 430-45.000.
Morrison, James A.: *See*—
  Hoffert, Franklin D.; Milligan, J. David; and Morrison, James A., 4,850,288, Cl. 110-214.000.
Morrison, John R.: *See*—
  Pensavecchia, Frank; Morrison, John R.; and Kleinfeld, Neil D., 4,828,416, Cl. 400-624.000.
Morrison, Joseph L. Clamping plier with locking means. 4,889,021, 12-26-89, Cl. 81-325.000.
Morrison, Judith A. Examination garment. 4,873,982, 10-17-89, Cl. 128-630.000.
Morrison, Keith; Staubitz, Robert B.; Valls, William H.; and MacDonald, Peter, to Kellogg Brush Manufacturing Co. Sponge mop. 4,831,677, 5-23-89, Cl. 15-119.00A.
Morrison, Larry E.; Royer, Garfield P.; and Heller, Michael J., to Amoco Corporation. Assay procedures. 4,804,625, 2-14-89, Cl. 435-7.000.
Morrison, Larry E., to Amoco Corporation. Lifetime-resolved assay procedures. 4,822,733, 4-18-89, Cl. 435-6.000.
Morrison, Larry E.: *See*—
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Morrison, Larry R.; and Jenkins, Vaughn J., to Unisys Corporation. High-speed sampling phase detector for clock and data recovery system. 4,841,257, 6-20-89, Cl. 331-26.000.
Morrison, Lynn A., to Whitacre-Greer Fireproofing Company, The. Hot top with sealing angle bar. 4,809,946, 3-7-89, Cl. 249-197.000.
Morrison Molded Fiber Glass Company: *See*—
  Brown, Gordon L., Jr., 4,863,159, Cl. 272-93.000.
Morrison, Paul E.; Stout, George H.; Dailey, George F.; and Fischer, Mark W., to Westinghouse Electric Corp. Multi-directional mobile inspection system. 4,811,091, 3-7-89, Cl. 358-100.000.
Morrison, Paul E.: *See*—
  Dailey, George F.; and Morrison, Paul E., 4,803,563, Cl. 358-100.000.
Morrison, Robert A., to Lockheed Corporation. Resolderable electrical connector. 4,884,983, 12-5-89, Cl. 439-874.000.
Morrison, Robert A.: *See*—
  Evans, David A.; and Morrison, Robert A., 4,835,330, Cl. 800-1.000.
Morrison, Robert D.: *See*—
  Carpenter, Robert E.; and Morrison, Robert D., 4,823,623, Cl. 73-864.740.
Morrison, Roger A.: *See*—
  Degnan, Thomas F.; Morrison, Roger A.; and Valyocsik, Ernest W., 4,869,806, Cl. 208-111.000.
  Hickey, Karlton J., Jr.; and Morrison, Roger A., 4,812,223, Cl. 208-111.000.
Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., to Simon Fraser University. Forms of transition metal dichalcogenides. 4,822,590, 4-18-89, Cl. 423-561.100.
Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., to Simon Fraser University. Novel transition metal dichalcogenide catalysts. 4,853,359, 8-1-89, Cl. 502-220.000.
Morrison, Shawn J., to Northern Telecom Limited. Method and apparatus for detecting a narrowband signal. 4,812,743, 3-14-89, Cl. 324-77.00R.
Morrison Textile Machinery Company: *See*—
  Talbert, James E., Jr., 4,873,846, Cl. 68-5.00E.
Morrison, William H., Jr., to Du Pont de Nemours, E. I., and Company. Method for preparing ceramic tape compositions. 4,867,935, 9-19-89, Cl. 264-61.000.
Morrison, William R. B., to Winders, Barlow and Morrison Pty. Ltd. Rail grinding apparatus. 4,864,776, 9-12-89, Cl. 51-178.000.
Morrisroe, Peter J., to Perkin-Elmer Corporation, The. Power system for inductively coupled plasma torch. 4,818,916, 4-4-89, Cl. 315-111.210.
Morrissette, Roger J. Collapsible cart. 4,826,202, 5-2-89, Cl. 280-652.000.
Morrissey, Jeremiah J., IV: *See*—
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Morrissey, William P.; Horsley, Christopher M.; and Yurcho, John A., Jr. Nut grabber. 4,823,652, 4-25-89, Cl. 81-125.000.
Morristown: *See*—
  Polak, Anthony J.; and Petty-Weeks, Sandra, 4,797,185, Cl. 204-129.000.
Morrone, Joseph F. Automatic container filling apparatus. 4,832,093, 5-23-89, Cl. 141-40.000.

Morrone, William R.: *See—*
Zobrist, Ray H.; and Morrone, William R., 4,879,289, Cl. 514-211.000.
Morrow, Dan. Mechanical cat litter box. 4,854,267, 8-8-89, Cl. 119-1.000.
Morrow, George W. Solenoid type nutcracker. 4,831,733, 5-23-89, Cl. 30-120.200.
Morrow, Howard E.: *See—*
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Morrow, James W.: *See—*
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Morrow, Joel I.: *See—*
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Morrow, Kirk D.: *See—*
Carnevale, Francesco L.; and Morrow, Kirk D., 4,836,316, Cl. 177-256.000.
Morrow, Marvin D.; and Bisbiglia, Michael S. Two piece tray. 4,863,094, 9-5-89, Cl. 229-125.030.
Morrow, Richard A.; Gionet, Daniel C.; Wikkerink, Lance; and Nguyen, Harry V., to Lanson Electronics, Inc. Automatic door safety system. 4,866,881, 9-19-89, Cl. 49-25.000.
Morsbach, Martin: *See—*
Brauers, Bert; and Morsbach, Martin, 4,796,898, Cl. 277-216.000.
Morscheck, Timothy J.: *See—*
Gooch, Douglas C.; and Morscheck, Timothy J., 4,860,861, Cl. 192-3.260.
Morse, Albert J., to DVSG Patentverwaltungs GmbH. Machine for applying a fused configuration of powder on a shoe substrate. 4,823,729, 4-25-89, Cl. 118-213.000.
Morse, Alfred W., to Westinghouse Electric Corp. Pulse amplifier. 4,812,680, 3-14-89, Cl. 307-491.000.
Morse, Arthur L., to Hughes Aircraft Company. Large dynamic range analog to digital converter. 4,843,395, 6-27-89, Cl. 341-156.000.
Morse Boulger, Inc.: *See—*
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Gaskin, Matthew J., 4,838,212, Cl. 122-392.000.
Tsaveras, Thomas; Gaskin, Matthew J.; and Maidhof, John T., 4,838,183, Cl. 110-190.000.
Morse, Chris L. Overflow spillage preventer for fuel tanks in boats. 4,802,514, 2-7-89, Cl. 141-86.000.
Morse Controls Limited: *See—*
Crack, David J., 4,887,481, Cl. 74-500.500.
Crack, David J., 4,889,005, Cl. 74-501.600.
Morse, Dan J.: *See—*
Baker, Dennis L.; Kirckof, Steven S.; Morse, Dan J.; and Piotrowski, Chester, 4,850,716, Cl. 374-160.000.
Morse, David R., to Borden Inc. Copier resistant coating for polyvinyl chloride. 4,822,691, 4-18-89, Cl. 428-522.000.
Morse, Dwain E., to Aqua-D Corp. Method and system for variable frequency electromagnetic water treatment. 4,865,748, 9-12-89, Cl. 210-739.000.
Morse, George: *See—*
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Morse, George E.: *See—*
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Morse, Harrod W.: *See—*
Crane, Robert A.; and Morse, Harrod W., 4,890,318, Cl. 379-399.000.
Morse, Henry S. Puzzle. 4,826,171, 5-2-89, Cl. 273-160.000.
Morse, Hugh B.; and Ciolino, John V. Sanitary foodstuff dispenser. 4,802,609, 2-7-89, Cl. 222-158.000.
Morse, James E.: *See—*
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Morse, John B.; and Stella, Joseph A., to Polaroid Corporation. Photographic apparatus for transmission electron microscopes. 4,831,397, 5-16-89, Cl. 354-212.000.
Morse, John D. Illuminating light bulb remover. 4,864,8 , 9-12-89, Cl. 81-53.110.
Morse, John E.: *See—*
Daniels, Steven D.; Maslanka, Daniel C.; and Morse, John E., 4,875,122, Cl. 360-109.000.
Morse, Larry J.: *See—*
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Morse, Margaret S.: *See—*
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Morse, Milton, to Morse, Nena. Armored axially displaceable sealing apparatus. 4,825,023, 4-25-89, Cl. 200-302.200.
Morse, Milton, to Morse, Nena. Spring-loaded platen rollers. 4,834,558, 5-30-89, Cl. 384-54.000.
Morse, Nena: *See—*
Morse, Milton, 4,825,023, Cl. 200-302.200.
Morse, Milton, 4,834,558, Cl. 384-54.000.
Morse, Phillip H., to North American Instruments Corp. Stopcock valve for high pressure applications. 4,807,666, 2-28-89, Cl. 137-625.470.
Morse, Richard R.; and Seyerle, Carl E., to Outboard Marine Corporation. Grass catcher mounting system. 4,800,712, 1-31-89, Cl. 56-202.000.
Morse, Robert L., to Tecumseh Products Company. Suction accumulator with a ... trap. 4,827,725, 5-9-89, Cl. 62-503.000.
Morse, Robert L., to Tecumseh Products Company. Method of making an integral internal pressure relief valve. 4,835,849, 6-6-89, Cl. 156.70R.
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Morse, Theodore H.: *See—*
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Morse, Vicki M. Modified cribbage game utilizing cards and dice. 4,854,586, 8-8-89, Cl. 273-249.000.
Morsky, Esa; and Penttinen, Risto, to Neste Oy. Method for conducting a fluid into a rock cistern. 4,827,992, 5-9-89, Cl. 141-11.000.
Morssinkhof, Gerhardus H.; Vogel, Lubbertus; and Lamber Adrianus, to Stork Perforated Products B.V. Method of controlling environmental conditions in the proximity of vegetation or crop with the aid of protective sheeting, protective sheeting for use in the method, and a protective device comprising sheeting. 4,798,0 1-17-89, Cl. 47-26.000.
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Crockett, John M.; and Mort, Deborah K., 4,795,981, C 324-521.000.
Mort, Dewey F.: *See—*
Reuter, David F.; Mort, Dewey F.; and Flory, Donald M. 4,822,112, Cl. 303-92.000.
Mort, Joseph: *See—*
Jansen, Frank; and Mort, Joseph, 4,859,551, Cl. 430-58.000.
Mortara, David W. Analog-to-digital converter utilizing vernier techniques. 4,800,364, 1-24-89, Cl. 341-131.000.
Mortazavi, Saman: *See—*
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Mortelmans, Hans O.: *See—*
Harris, William S., Jr.; and Mortelmans, Hans O., 4,820,236, C 307-529.000.
Morten, John F. Automatic relamping system. 4,862,036, 8-29-89, C 315-86.000.
Mortensen, J. D.: *See—*
Berry, Gaylord; Mortensen, J. D.; and Rigby, Larry D., 4,850,9 Cl. 604-26.000.
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Gregerson, Barry; Dressen, Larry; and Mortensen, Roger L. 4,817,799, Cl. 206-445.000.
Mortenson, Carl N., to Magline Inc. Two-wheeled hand truck construction. 4,865,340, 9-12-89, Cl. 280-47.270.
Mortenson, Mark G.: *See—*
Newkirk, Marc S.; and Mortenson, Mark G., 4,871,696, C 501-94.000.
Morterol, Frederic R.: *See—*
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Marsaly, Alain; Mariens, Andre; Morterol, Frederic R. M. M.; and Raufast, Charles, 4,858,144, Cl. 364-496.000.
Mortier, Guy, to Souriau & Cie. Nut with corner passages. 4,846,6 7-11-89, Cl. 411-87.000.
Mortimer, Ivan; and Farr, Glyn P. R., to Lucas Industries. Pneumatically operated servo-booster. 4,813,338, 3-21-89, Cl. 91-369.20
Mortimer, John H.: *See—*
Cignetti, Nicolas P.; Mortimer, John H.; and Swaney, Richard L. 4,836,273, Cl. 164-471.000.
Mortimer, William P., Jr.: *See—*
Mallouk, Robert S.; and Mortimer, William P., Jr., 4,861,976, C 521-85.000.
Mortimore, David B., to British Telecommunications Public Limited Company. Optical fused couplers. 4,798,436, 1-17-89, Cl. 350-96.15.
Mortimore, David B.: *See—*
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Morton, Alec J.: *See—*
Renner, Karl H.; and Morton, Alec J., 4,796,216, Cl. 364-724.00
Morton, Arthur W., to Conoco Inc. Method of launching long pipe lines. 4,798,500, 1-17-89, Cl. 405-158.000.
Morton, Donald L., to Decatur-FRP/Partners. Therapeutic treatment of abnormal cell growth with follicle regulatory protein. 4,849,4 7-18-89, Cl. 514-2.000.
Morton, Douglas W., to Hewlett-Packard Company. Multichannel decimation/interpolation filter. 4,881,191, 11-14-89, Cl. 364-724.1
Morton, Edward W.: *See—*
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Morton, Edwin S.: *See—*
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Morton, George J. Micro-climate plant growing system. 4,884,3 12-5-89, Cl. 47-62.000.
Morton, Gerald H.: *See—*
Gardner, John F.; and Morton, Gerald H., 4,809,946, C 251-107.000.
Morton, Glenn P.; McFadyen, George A.; and Stone, Rob L., to Cotton Incorporated. Dyeing of garments with low-substantivity vat dyes. 4,845,789, 7-11-89, Cl. 8-150.000.
Morton, Henry H.: *See—*
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Morton, Howard E.: *See—*
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Morton, Jerry: *See—*
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Morton, John C., Jr., to Jodac, Inc. Plant hanger. 4,811,47 , -14-89, Cl. 29-521.000.
Morton, John D.; Newcombe, Edmund A.; and Lander, Emil, to Northern Telecom Limited. Automatic refresh of operating parameters in equipment with volatile storage. 4,864,557, 9-5-89, Cl. 370-17.000.
Morton, Kenneth P.: *See—*
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Merten, Barron C.; and Morton, Kenneth P., 4,861,105, Cl. 297-250.000.
Morton Machine Company, Inc.: *See—*
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DePrima, George R., 4,854,078, Cl. 49-409.000.
Morton, Milton A.; Darnell, Peter A.; Cooprider, Lee W.; and Bray, Gary, to Stellar Computer, Inc. Control of multiple processors executing in parallel regions. 4,829,422, 5-9-89, Cl. 364-200.000.
Morton, Philip G., to Dayton Extruded Plastics, Inc. Window assembly of rigid plastics material. 4,831,781, 5-23-89, Cl. 49-504.000.
Morton, R. C. Tail gate apparatus for pick-up trucks. 4,813,842, 3-21-89, Cl. 414-557.000.
Morton, Richard G.: *See—*
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Morton, Roger R. A.; and Redden, John E., to Eastman Kodak Company. Apparatus and methods for locating edges and document boundaries in video scan lines. 4,833,722, 5-23-89, Cl. 382-22.000.
Morton, Roger R. A.; and Lewis, Scott, to Eastman Kodak Company. Forward look ahead techniques for tracking background and noise levels in scanned video images. 4,853,795, 8-1-89, Cl. 358-447.000.
Morton, Roger R. A.; and Redden, John E., to Eastman Kodak Company. Apparatus and method for improving the compressibility of an enhanced image through use of a momentarily varying threshold level. 4,868,670, 9-19-89, Cl. 358-447.000.
Morton, Steven G., to ITT Corporation. Cellular array processor with variable nesting depth vector control by selective enabling of left and right neighboring processor cells. 4,831,519, 5-16-89, Cl. 364-200.000.
Morton, Steven G., to Alcatel USA, Corp. Single instruction multiple data (SIMD) cellular array processing apparatus with on-board RAM and address generator apparatus. 4,835,729, 5-30-89, Cl. 364-200.000.
Morton, Steven G., to ITT Corporation. Single instruction multiple data (SIMD) cellular array processing apparatus employing a common bus where a first number of bits manifest a first bus portion and a second number of bits manifest a second bus portion. 4,852,048, 7-25-89, Cl. 364-200.000.
Morton, Steven R.: *See—*
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Morton Thiokol, Inc.: *See—*
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Bullard, Douglas G., 4,815,381, Cl. 102-247.000.
Canterberry, J. B.; and Flanigan, David A., 4,798,142, Cl. 102-290.000.
Conroy, Gary M., 4,839,409, Cl. 524-179.000.
Cummings, Frederick L.; and Correll, Glenn D., 4,873,274, Cl. 523-500.300.
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Faupell, Lawrence C.; and Wasson, Steven R., 4,867,393, Cl. 244-3.220.
Fling, Michael; and Puckett, William R., 4,864,817, Cl. 60-250.000.
Fling, Michael; and Puckett, William R., 4,866,930, Cl. 60-250.000.
Grace, Garland K., 4,830,491, Cl. 356-241.000.
Graham, William H.; Bevel, Kenneth E.; Byrd, James D., Junior, Kenneth E.; and Shepard, Inella G., 4,803,019, Cl. 264-3.100.
Graser, Warren L.; and McCafferty, Robert H., 4,821,510, Cl. 60-242.000.
Hallreck, Robert B.; Manzik, Stephen J.; Mitchell, Thomas; and Hui, Benjamin C., 4,847,399, Cl. 556-1.000.
Hart, Stephen C., 4,855,358, Cl. 525-113.000.
Hart, Stephen C., 4,857,362, Cl. 427-195.000.
Hendrickson, Roger R., 4,798,637, Cl. 149-20.000.
Hinshaw, Jerald C., 4,804,424, Cl. 149-19.600.
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Hyde, Jeffrey R., 4,873,005, Cl. 252-35.000.
Kirschner, Thomas J., Jr.; and Walsh, John J., 4,817,377, Cl. 60-225.000.
Krolik, Gerald A., 4,805,553, Cl. 118-603.000.
Lauritzen, Donald R.; and Goin, Gregory R., 4,796,912, Cl. 280-736.000.
Lazarus, Richard M.; Bell, Kenneth L.; and Bauer, Carla M., 4,808,513, Cl. 430-331.000.
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McDonald, Allan J., 4,840,024, Cl. 60-39.461.
McGregor, James D., 4,863,367, Cl. 425-438.000.
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Ross, Leo; Axon, Fredrick J.; and Brigaglio, James J., 4,889,790, Cl. 430-258.000.
Salamone, Ann B.; and Snyder, Susan L., 4,859,458, Cl. 424-70.000.
Sanglet, Philippe R., 4,859,447, Cl. 423-515.000.
Schneiter, Fred E.; and Taylor, Robert D., 4,836,255, Cl. 149-35.000.
Singer, Victor; and Kerrigan, Barry E., 4,819,426, Cl. 60-250.000.
Singer, Victor, 4,872,612, Cl. 239-265.190.
Solberg, Mark A., 4,856,276, Cl. 60-250.000.
Tackett, E. Wayne; Dombrowski, Daniel C.; and Lauritzen, Scott W., 4,846,911, Cl. 156-173.000.
Wardle, Robert B., 4,806,613, Cl. 528-59.000.
Willer, Rodney L.; Cunkle, Glen T.; and Klein, Nathan, 4,878,968, Cl. 149-45.000.
Willer, Rodney L.; Hartwell, James A.; and Gleeson, Robert G., 4,889,571, Cl. 149-19.900.
Youngkeit, Dean C., 4,881,998, Cl. 156-173.000.
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Morus, Vladimir L.: *See—*
Chervonenko, Alfred G.; Naduty, Vladimir P.; Morus, Vladimir L.; Kravchenko, Valery L.; and Lavrukhin, Viktor A., 4,879,024, Cl. 209-352.000.
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Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Eitai, Kazuo; and Yamaguchi, Toshio, 4,861,235, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,869,652, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,875,835, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,878,814, Cl. 417-63.000.
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Moruzzi, James A.: *See—*
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Moruzzi, James L.: *See—*
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Mory, Franz: *See—*
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Mory, Yvez: *See—*
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Morz, Gunter; Weiser, Wolfgang; Lenz, Sigmund; and Pivit, Erich, to Ant Nachrichtentechnik GmbH. Microwave junction circulator. 4,810,979, 3-7-89, Cl. 333-1.100.
Morz, Gunter; Pivit, Erich; and Lenz, Sigmund, to ANT Nachrichtentechnik GmbH. Microwave phase shifter. 4,837,528, 6-6-89, Cl. 333-24.100.
Morzal, Janos: *See—*
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czefit, Sandor, 4,807,815, Cl. 241-39.000.
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Mosaic Systems, Inc.: *See—*
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Mosburger, Hans, to BHS-Bayerische Berg-, Hutten- und Salzwerke Aktiengesellschaft. One-sided corrugated board machine having replacable corrugating rollers. 4,818,330, 4-4-89, Cl. 156-473.000.
Mosca, Virgilio: *See—*
Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadarajane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
Moscatelli, Romano, to Sekur S.p.A. Protective garment for operation in contaminated areas. 4,856,113, 8-15-89, Cl. 2-84.000.
Mosch, Duane L., to Truth Incorporated. Check rail lock. 4,801,164, 1-31-89, Cl. 292-204.000.
Mosch, Duane L., to Truth Incorporated. Concealed check rail lock and keeper. 4,813,725, 3-21-89, Cl. 292-241.000.
Mosch, Franz: *See—*
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- Osipov, Gennady I.; and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.
- Moschl, Gernot: *See—*
  - Franz, Klaus D.; Griessmann, Andrea; Lenz, Gisela; and Moschl, Gernot, 4,828,826, Cl. 424-63.000.
- Mosciatti, Roger; Foley, Thomas P.; Moritz, Frederick; and Burge, Jack, to Citisource Inc. Portable ticket issuing device. 4,828,406, 5-9-89, Cl. 400-23.000.
- Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., to Inland Steel Company. Continuous casting tundish and assembly. 4,828,014, 5-9-89, Cl. 164-437.000.
- Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., to Inland Steel Company. Continuous casting tundish and assembly. 4,860,819, 8-29-89, Cl. 164-437.000.
- Moscovitch, Marko, to Harshaw Chemical Company, The. TLD apparatus and method with elapsed time read-out capability. 4,827,131, 5-2-89, Cl. 250-337.000.
- Moscovitch, Marko, to Harshaw Chemical Company, The. TLD apparatus and method. 4,827,132, 5-2-89, Cl. 250-337.000.
- Moscovitch, Marko: *See—*
  - Bruml, William; Moscovitch, Marko; and Szalanczy, Andras, 4,835,388, Cl. 250-337.000.
- Mosdal, Thelmer. Livestock weighing apparatus. 4,850,441, 7-25-89, Cl. 177-136.000.
- Mose, Tadao; Hirata, Akio; Saito, Suzuo; and Kikuchi, Hidehiko, to Kabushiki Kaisha Toshiba. Turbine helper drive apparatus. 4,818,890, 4-4-89, Cl. 290-52.000.
- Mose, Tadao; Andoh, Yasuhiro; and Kitasin, Tatuhisa, to Kabushiki Kaisha Toshiba. Power converter and method of controlling the same. 4,876,637, 10-24-89, Cl. 363-37.000.
- Mosebach Manufacturing Company: *See—*
  - Cummins, Robert, 4,825,777, Cl. 105-225.000.
  - Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,837,549, Cl. 338-279.000.
  - Kirilloff, Victor V.; Benson, William A.; Cummins, Robert; and Dawson, Richard S., 4,847,585, Cl. 338-58.000.
- Mosele, Joseph: *See—*
  - Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,811,478, Cl. 29-613.000.
  - Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,816,959, Cl. 361-127.000.
- Moseley, Douglas D.: *See—*
  - Morris, Rick; Moseley, Douglas D.; Rimlinger, Gary M.; and Soldat, Thomas L., 4,865,162, Cl. 188-72.300.
- Moseley, Elmer L.: *See—*
  - Flyer, Eric G.; Krusing, Richard A.; and Moseley, Elmer L., 4,887,470, Cl. 73-862.680.
- Moseley, John; and McLarty, Daniel, to Torrington Company, The. Bearing with adjustable stiffness. 4,850,719, 7-25-89, Cl. 384-1.000.
- Moseley, John: *See—*
  - Santos, Alfred J.; Cook, Frederick A., Jr.; Duncan, Scott M.; and Moseley, John. 4,875,785, Cl. 384-448.000.
- Moseley, Mark S.: *See—*
  - Halliburton, Harold H.; and Moseley, Mark S., 4,887,898, Cl. 353-28.000.
- Moseley, Richard B.: *See—*
  - Brearley, Malcolm; and Moseley, Richard B., 4,795,219, Cl. 303-9.690.
- Mosell, Carl G. Method of cleaning articles in a tank. 4,801,333, 1-31-89, Cl. 134-7.000.
- Moser Bag and Paper Company, The: *See—*
  - Welles, Theodore W., 4,861,957, Cl. 219-10.55E.
- Moser, Bernhard; Peetz, Wolfang; and Hugger, Hermann, to Hawera Probst GmbH & Co. Apparatus for rock drill. 4,883,135, 11-28-89, Cl. 175-323.000.
- Moser, Bernhard, to Hawera Probst GmbH & Co. Rock drill. 4,889,200, 12-26-89, Cl. 175-394.000.
- Moser, Bernhard: *See—*
  - Peetz, Wolfgang; and Moser, Bernhard, 4,852,670, Cl. 166-323.000.
- Moser, Douglas J.; Synclair, Damian; and Friedman, Alan R. Push button combination lock type gas cap and actuator employed therein. 4,794,768, 1-3-89, Cl. 70-165.000.
- Moser, Frank H.; and Lynam, Niall R., to Donnelly Corporation. Method for deposition of electrochromic layers. 4,855,161, 8-8-89, Cl. 427-108.000.
- Moser, Franz, to Steyr-Daimler-Puch Aktiengesellschaft. Apparatus for collecting soot from exhaust gases of an air-compressing, self-igniting internal combustion engine. 4,823,549, 4-25-89, Cl. 60-275.000.
- Moser, Franz: *See—*
  - Worner, Gunter; Moser, Franz; and Tscheplak, Ernest, 4,846,759, Cl. 464-68.000.
- Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, to Ciba-Geigy Corporation. N-phenyl-maleimides and herbicidal and plant growth regulating methods of use thereof. 4,804,400, 2-14-89, Cl. 71-95.000.
- Moser, Helmut A.: *See—*
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- Moser, Herbert: *See—*
  - Leitz, Hermann; and Moser, Herbert, 4,819,776, Cl. 192-45.000.
- Moser, Hermann: *See—*
  - Wacker, Niklaus; and Moser, Hermann, 4,813,363, Cl. 112-242.000.
- Moser, Karl: *See—*
  - Schindl, Klaus; and Moser, Karl, 4,818,085, Cl. 350-528.000.
- Moser, Kenneth B.: *See—*
  - Dunn, Larson B., Jr.; Moser, Kenneth B.; and Pai, Panemangalore S., 4,795,675, Cl. 428-260.000.
  - Johnson, Donald L.; Moser, Kenneth B.; and Valenty, Vivian, 4,806,275, Cl. 252-554.000.
  - Roth, Claris D.; Moser, Kenneth B.; Howell, Gail M.; and Urfer, Allen D., 4,834,903, Cl. 252-174.170.
- Moser, Ludwig M.; and Kammermeier, Anton, to Westra Electronic GmbH. Laser audiometer system. 4,847,763, 7-11-89, Cl. 364-413.020.
- Moser, Manfred; Itgenshorst, Dieter; and Kutz, Johannes, to Eduard Kusters Maschinenfabrik GmbH & Co. KG. Method and device for imprinting webs. 4,872,325, 10-10-89, Cl. 68-200.000.
- Moser, Marcus: *See—*
  - Muller, Willy; and Moser, Marcus, 4,802,203, Cl. 379-80.000.
- Moser, Mark D.; and Lawson, R. Joe, to UOP. Trimetallic reforming catalyst. 4,865,719, 9-12-89, Cl. 208-139.000.
- Moser, Peter, to Ciba-Geigy Corporation. Cationic 1,2,3-thiadiazole-azo-aniline or tetrahydroquinoline compounds. 4,818,815, 4-4-89, Cl. 534-607.000.
- Moser, Richard J.: *See—*
  - Parrent, Kenneth G., 4,887,799, Cl. 266-168.000.
- Moser, Robert E.: *See—*
  - Gilles, Stephen R.; Bogard, William F.; and Moser, Robert E., 4,863,597, Cl. 210-232.000.
- Moser, Ronald T. Portable water purification system. 4,800,018, 1-24-89, Cl. 210-266.000.
- Moser, Theo: *See—*
  - Haarer, Rolf; Moser, Theo; and Reum, Klaus, 4,802,568, Cl. 198-388.000.
- Moser, Thomas; Otto, Klaus; Kippenberg, Horst; Ramler, Johann; and Unterlass, Josef, to Siemens Aktiengesellschaft. Component with filled layers and electrical contacts and methods for its production. 4,797,780, 1-10-89, Cl. 361-321.000.
- Moser, Thomas: *See—*
  - Kippenberg, Horst; Moser, Thomas; and Otto, Klaus, 4,889,760, Cl. 428-192.000.
  - Otto, Klaus; Moser, Thomas; Kippenberg, Horst; and Ross, Erich, 4,829,399, Cl. 361-321.000.
- Moser, Thomas P.: *See—*
  - Affleck, Wayde H.; and Moser, Thomas P., 4,868,841, Cl. 372-59.000.
- Moser, Urs: *See—*
  - Voirol, Peter; and Moser, Urs, 4,854,988, Cl. 156-155.000.
- Moser, Winfried; and Klinke, Christian, to Robert Bosch GmbH. Evaluation device for measuring signals of a lambda probe. 4,878,381, 11-7-89, Cl. 73-118.100.
- Moses, Darcy: *See—*
  - Givens, Joe C.; Stevenson, William L.; Moses, Darcy; Kratochwill, William L.; and Anderson, George E., 4,869,910, Cl. 426-467.000.
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  Bergami, Bridgette A.; and Williams, Phillip H., 4,871,689, Cl. 437-67.000.
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  Boland, Bernard W.; Gandy, William E., Jr.; and Jackson, Kevin B, 4,886,762, Cl. 437-15.000.
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  Borth, David E.; Wang, Chih-Fei; Rabe, Duane C.; and Labedz, Gerald P., 4,873,683, Cl. 370-95.100.
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D'Avello, Robert F.; Tobolski, Francis P., Jr.; and Kowalski, Joseph L., 4,860,341, Cl. 379-91.000.
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Kenoun, Robert, 4,798,093, Cl. 73-708.000.
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  - Hutchins, David L.; and Mounce, Lynn E., 4,869,326, Cl. 172-197.000.
- Mound Steel Corporation: *See—*
  - Tomlinson, Martin G., 4,870,793, Cl. 52-241.000.
- Mounier, Jean-Pierre: *See—*
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  - DeLaurier, William S.; Kirtland, Howard W.; and Mount, Gordon L., 4,844,690, Cl. 415-148.000.
- Mount, Houston B., II, to Amoco Corporation. Method and apparatus for determining cement conditions. 4,800,537, 1-24-89, Cl. 367-35.000.
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  - Snoddy, Michael L.; and Mount, Houston B., II, 4,885,540, Cl. 324-318.000.
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  - Dekker, David L., 4,884,229, Cl. 364-724.110.
  - Robbins, Geoffrey, 4,846,278, Cl. 166-286.000.
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  - Nemerson, Yale; and Turitto, Vincent, 4,865,984, Cl. 435-288.000.
- Mountain, David S., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Apparatus and method for static stress measurement in an object. 4,798,477, 1-17-89, Cl. 374-45.000.
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- Mountford, George S. Fire extinguisher and alarm apparatus. 4,805,701, 2-21-89, Cl. 169-57.000.
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- Mouri, Fumitaka: *See—*
  - Shimada, Yasuo; and Mouri, Fumitaka, 4,823,021, Cl. 307-112.000.
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- Mouser, Charles L.; and Stewart, Joseph A., to Halliburton Compan Watercut monitor device and method. 4,873,648, 10-10-89, C 364-500.000.
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  - Leung, Ka-Ngo; Gordon, Keith C.; Kippenham, Dean O.; Purgi Peter; Moussa, David; Williams, Malcom D.; Wilde, Stephen B and West, Mark W., 4,795,940, Cl. 313-346.00R.
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  - Ashing, Deanna; Hiltenbeitel, Stanley; Moussa, Youssef; an Aluotto, Patrick F., 4,801,628, Cl. 523-412.000.
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- Mouza, Jean-Claude: *See—*
  - Grunberg, Pierre; Mouza, Jean-Claude; and Bertin, Patric 4,829,221, Cl. 318-587.000.
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  - Boone, Bruce T.; Nafziger, Steven; Rak, Thomas A.; and McMe namy, John A., 4,852,416, Cl. 73-866.500.
  - Charbonneau, Arthur G.; Hale, Stanley N.; and Sayed, Edmond A. 4,831,873, Cl. 73-168.000.
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  - Kadlub, Thomas E., 4,841,620, Cl. 29-426.400.
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  - Kryder, Mark H.; and Shieh, Han-Ping D., 4,882,718, C 369-13.000.
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- Mowry, Greg S., to Magnetic Peripherals Inc. Non linear magnetoresistive sensor. 4,841,398, 6-20-89, Cl. 360-113.000.
- Mowry, Gregory S., to Magnetic Peripherals Inc. Magnetoresistive sensing element with a projection for enhanced data reading. 4,843,505, 6-27-89, Cl. 360-113.000.
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- Mowry, Robert D.: *See—*
  - Passmore, Charles G.; Mowry, Robert D.; and Brown, Alan G., 4,856,862, Cl. 350-96.150.
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  - Gibson, Bernard P., Jr.; and Merchant, Howard C., 4,850,934, Cl. 474-111.000.
  - Matson, Les; and Sela, Richard, 4,798,552, Cl. 474-101.000.
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- Moy, Christian: *See—*
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- Moy, Diana Y.: *See—*
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  - Burgess, James P.; and Moy, Harold, 4,845,393, Cl. 310-51.000.
- Moy, Michael: *See—*
  - Young, James R.; and Moy, Michael, 4,889,982, Cl. 235-494.000.
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  - Kasprzak, Paul L.; and Moy, Michael E., 4,844,509, Cl. 283-81.000.
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- Moy, Paul Y. Y.: *See—*
  - Parr, William J.; Mack, Arthur G.; and Moy, Paul Y. Y., 4,801,625, Cl. 523-179.000.
- Moy, Peter: *See—*
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- Moy, Russell L.: *See—*
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- Moy, Sam M.: *See—*
  - Mezger, Mark; Strauss, Bernard; Moy, Sam M.; and Prezelski, Joseph L., 4,842,659, Cl. 149-19.200.
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- Moye, Lawrence D.: *See—*
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- Mt. Fury Company: *See*—
  - Pope, Daniel F., 4,876,881, Cl. 73-53.000.
- Mt. Holly, Inc.: *See*—
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  - Minneman, William J., 4,811,836, Cl. 206-3.000.
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  - Krauss, Olaf, 4,817,970, Cl. 277-25.000.
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  - Adam, Peter; Sedlmair, Thomas; and Podlech, Manfred, 4,812,05 Cl. 374-50.000.
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  - Haber, Edgar; Mudgett-Hunter, Meredith; and Margolies, Michael, 4,803,167, Cl. 435-240.270.
- Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Chekurishvili, Gia O.; Brekhman, Izrail I.; Bulanov, Alexandr E.; and Polozhentseva, Mira I. Alcoholic beverage and process for producing same. 4,877,772, 10-31-89, Cl. 514-23.000.
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  - Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
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- Muehlberger, Erich; and de la Vega, Robert P., to Electro-Plasma, Inc. Powder feeder. 4,808,042, 2-28-89, Cl. 406-66.000.
- Muehlberger, Erich; and Sickinger, Albert, to Electro-Plasma, Inc. Method of oxide removal from metallic powder. 4,877,640, 10-31-89, Cl. 427-34.000.
- Muel, Thomas; Tenud, Leander; Duc, Laurent; and McGarrity, John, to Lonza Ltd. 4-alkoxy-3-pyrrolin-2-on-1-yl acetic acid alkyl esters. 4,880,940, 11-14-89, Cl. 548-544.000.
- Muelas-Medrano, Santiago: *See*—
  - Vidal, Henri; and Muelas-Medrano, Santiago, 4,826,639, Cl. 264-32.000.
- Muelbeck, Martin. Sheet of roofcovering material. 4,812,349, 3-14-89, Cl. 428-138.000.
- Muella, Thomas J.: *See*—
  - Byrne, Thomas W.; and Muella, Thomas J., 4,869,454, Cl. 248-610.000.
- Muellenberg, Ralph. Method for fastening or loosening a clamp unit. 4,800,644, 1-31-89, Cl. 29-525.100.
- Mueller, Albrecht: *See*—
  - Merkle, Hans; Mueller, Albrecht; Hamprecht, Gerhard; and Reissenweber, Gernot, 4,868,308, Cl. 546-310.000.
- Mueller, Annemarie: *See*—
  - Pfeiffer, Hans; Biermann, Manfred; Schroeder, Peter; Goebel, Gerd; and Mueller, Annemarie, 4,820,517, Cl. 424-195.100.
- Mueller, Brad, to Sundstrand Corporation. Valve with resilient, bellows mounted valve seat. 4,815,699, 3-28-89, Cl. 251-129.110.
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  - Garg, Diwakar; Dyer, Paul N.; Schaffer, Leslie E.; Wrecsics, Ernest L.; Dimos, Duane; and Mueller, Carl F., 4,855,188, Cl. 428-627.000.
- Mueller, Clifford F.; and Herzovi, George, to Schwinn Bicycle Company. Method of fabricating a rear fork assembly for a bicycle and drop out bracket therefor. 4,813,591, 3-21-89, Cl. 228-173.400.
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  - Daghe, Joseph L., 4,813,281, Cl. 73-201.000.
  - Floren, Carl E.; and Logman, Timothy M., 4,842,246, Cl. 251-333.000.
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  - Stanley, Mervin D.; and Daghe, Joseph L., 4,823,977, Cl. 220-243.000.
  - Weller, Michael E.; and Daghe, Joseph L., 4,883,085, Cl. 137-315.000.
- Mueller, Dale E.: *See*—
  - Hood, Richard D., Jr.; Mueller, Dale E.; and Walker, Douglas J., 4,856,303, Cl. 68-133.000.
  - Sickert, Richard G.; Pielemeier, John W.; and Mueller, Dale E., 4,809,524, Cl. 68-148.000.
- Mueller, Denis A.; and Saletta, Gary F., to Westinghouse Electric Corp. Electromagnetic contactor tandem control system for thermal protection of a bidirectional motor drive. 4,819,118, 4-4-89, Cl. 361-25.000.
- Mueller, Denis A.: *See*—
  - Adams, Jerry G.; Gibson, Robert P.; and Mueller, Denis A., 4,866,714, Cl. 371-22.100.
  - Bauer, James A.; Mueller, Denis A.; Basnett, Robert T.; and Engel, Joseph C., 4,833,565, Cl. 361-154.000.
- Mueller, Dennis L.: *See*—
  - Suriano, John R.; Staarmann, Patrick J.; Tracht, Steven L.; and Mueller, Dennis L., 4,843,286, Cl. 318-443.000.
- Mueller, Donald L.; and Nyberg, Glen A., to General Motors Corporation. Vehicle windshield and wiper with rain sensor. 4,827,198, 5-2-89, Cl. 318-483.000.

Mueller, Donald S.: *See—*

Chen, Albert C.; DeLuca, Robert D.; Jones, Robin M. F.; Mueller, Donald S.; and Yeganeh, Mary S., 4,826,430, Cl. 433-8.000.

Mueller, Eckart, to Volkswagen AG. Method and apparatus for preventing troublesome load change shocks caused by a combustion engine. 4,819,598, 4-11-89, Cl. 123-399.000.

Mueller, Friedhelm; and Straub, Horst, to Siemens Aktiengesellschaft. Branch coupling for use between capillary columns of gas chromatographs. 4,861,358, 8-29-89, Cl. 55-386.000.

Mueller, Fritz: *See—*

Groeber, Alfred; Hadersbeck, Hans; Mueller, Fritz; Zukier, Hubert; and Hacke, Hans J., 4,795,694, Cl. 430-314.000.

Mueller, Gottfried, to Siemens Aktiengesellschaft. Housing for long-field lamps having interchangeable louver insert. 4,841,421, 6-20-89, Cl. 362-279.000.

Mueller, Hans W., to Smith Corona Corporation. Tape cassette for metering correction tape feed. 4,886,383, 12-12-89, Cl. 400-208.000.

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Sherman, Howard F.; Greggains, James H.; Mueller, Hans W.; and Kasprzycki, Robert L., 4,808,017, Cl. 400-83.000.

Mueller, Heinz; and Herold, Claus-Peter, to Henkel Kommanditgesellschaft auf Aktien. Powder-form lubricant additives for water-based drilling fluids. 4,802,998, 2-7-89, Cl. 252-8.514.

Mueller, Heinz; Herold, Claus-Peter; van Tapavizca, Stephan; Dolhaine, Hans; von Rybinski, Wolfgang; and Wichelhaus, Winfried, to Henkel Kommanditgesellschaft auf Aktien. Water-based drilling and well-servicing fluids with swellable, synthetic layer silicates. 4,888,120, 12-19-89, Cl. 252-8.551.

Mueller, Heinz: *See—*

Scoggins, William C.; Herold, Claus-Peter; and Mueller, Heinz, 4,851,142, Cl. 252-8.515.

Mueller, Helmar A., to Harsco Corporation. Artillery training apparatus with recoil/counterrecoil simulation. 4,812,122, 3-14-89, Cl. 434-18.000.

Mueller, Helmut: *See—*

Roth, Siegfried; and Mueller, Helmut, 4,861,996, Cl. 250-330.000.

Mueller, Herbert, to BASF Aktiengesellschaft. Preparation of polytetramethylene ether glycol diesters having a low color number. 4,803,299, 2-7-89, Cl. 560-240.000.

Mueller, Herbert; Axel, Hartmut; and Wittwer, Arnold, to BASF Aktiengesellschaft. Preparation of amines. 4,827,035, 5-2-89, Cl. 564-402.000.

Mueller, Herbert; Fischer, Roman; Jeschek, Gerhard; and Schoenleben, Willibald, to BASF Aktiengesellschaft. Preparation of trialkylamines. 4,851,580, 7-25-89, Cl. 564-479.000.

Mueller, Herbert; Toussaint, Herbert; and Schossig, Juergen, to BASF Aktiengesellschaft. Preparation of alkanediols from alkynols. 4,864,066, 9-5-89, Cl. 568-861.000.

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Nelson, David C.; Fresh, Michael J.; and Mueller, Herbert, 4,798,554, Cl. 446-222.000.

Werner, Frank; Streu, Joachim; and Mueller, Herbert, 4,798,851, Cl. 521-137.000.

Mueller, J. Samuel: *See—*

Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., 4,813,127, Cl. 29-825.000.

Mueller, James G.: *See—*

Jornod, Eugene R.; Mueller, James G.; and Solar, Matthew S., 4,817,022, Cl. 364-571.030.

Mueller, James W., to Halliburton Company. Progressive cavity pump. 4,818,197, 4-4-89, Cl. 418-48.000.

Mueller, James W.: *See—*

Blaschke, Keith E.; and Mueller, James W., 4,848,145, Cl. 73-153.000.

Ehlert, Mark C.; and Mueller, James W., 4,829,811, Cl. 73-59.000.

Mueller, Jens, to Werner Turck GmbH & Co., KG. Proximity switch immune to interference fields. 4,841,163, 6-20-89, Cl. 307-116.000.

Mueller, Johann R.: *See—*

Bux, Werner K.; Closs, Felix H.; Mueller, Johann R.; Van As, Harmen R.; and Zafiropulo, Pitro A., 4,843,606, Cl. 370-89.000.

Closs, Felix H.; Mueller, Johann R.; and Zafiropulo, Pitro A., 4,862,451, Cl. 370-60.000.

Keller, Heinz J.; and Mueller, Johann R., 4,862,158, Cl. 340-825.050.

Mueller, Josef; and Petereit, Hans-Ulrich, to Rohm Pharma GmbH. Pharmaceutical material for the treatment of psoriasis. 4,826,677, 5-2-89, Cl. 424-78.000.

Mueller, Josef: *See—*

Baur, Richard; Denzinger, Walter; Eckell, Albrecht; Hartmann, Heinrich; Mueller, Josef; Raubenheimer, Hans-Juergen; and Trieselt, Wolfgang, 4,814,102, Cl. 252-174.240.

Mueller, Joseph T.; and Hornsey, William W., to PPG Industries, Inc. Precipitative static drain strip system. 4,831,491, 5-16-89, Cl. 361-218.000.

Mueller, Karl F.; and Harisiades, Paul, to Ciba-Geigy Corporation. UV- and heat curable terminal polyvinyl functional macromers and polymers thereof. 4,837,289, 6-6-89, Cl. 526-279.000.

Mueller, Karl-Heinz, to Siemens Aktiengesellschaft. Apparatus for the exact mutual alignment of a mask and semiconductor wafer in a lithographic apparatus. 4,825,086, 4-25-89, Cl. 250-491.100.

Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, to Siemens Aktiengesellschaft; Karl Suss KG GmbH & Co.; and Frauenhofer Gesellschaft. Arrangement for exposing semiconductor wafers by means of a synchrotron radiation in lithographic equipment. 4,856,037, 8-8-89, Cl. 378-34.000.

Mueller, Karl-Heinz, to Siemens Aktiengesellschaft. Method and apparatus for changing the imaging scale in X-ray lithograph. 4,887,282, 12-12-89, Cl. 378-34.000.

Mueller, Karl J., to Xerox Corporation. Mag brush cleaner erase light. 4,804,999, 2-14-89, Cl. 355-15.000.

Mueller, King L. Weight stack with vacuum-actuated pneumatic motor for lift assist. 4,848,738, 7-18-89, Cl. 272-118.000.

Mueller, Louis, to Rytec Corporation. Frost control system for high-speed horizontal folding doors. 4,855,567, 8-8-89, Cl. 219-218.000.

Mueller, Louis H. Prefilled catheter tip syringe kit. 4,878,903, 11-7-89, Cl. 604-199.000.

Mueller-Mall, Rudolf: *See—*

Konrad, Rainer; Funk, Guido; Schmidt-Thuemmes, Juergen; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,814,308, Cl. 502-107.000.

Konrad, Rainer; Hemmerich, Rainer; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,845,176, Cl. 526-105.000.

Mueller, Manfred: *See—*

Kreider, Hans; and Mueller, Manfred, 4,799,842, Cl. 411-171.000.

Kuemmerling, Rolf; Mueller, Manfred; Schirmag, Klaus-Peter; and Nickel, Wilhelm, 4,803,861, Cl. 72-97.000.

Mueller, Martin J. Apparatus for applying container lids. 4,835,943, 6-6-89, Cl. 53-485.000.

Mueller, Michael; and Kleinert, Walter, to Huels Aktiengesellschaft. Process for the production of a free flowing filled elastomer powder. 4,835,196, 5-30-89, Cl. 523-334.000.

Mueller-Niescher, Ursula: *See—*

Meyer, Klaus-Rudolf; Venn, Ingo; and Mueller-Niescher, Ursula, 4,837,297, Cl. 528-326.000.

Mueller, Otward M., to General Electric Company. Unconditionally-stable ultra low noise R.F. preamplifier. 4,835,485, 5-30-89, Cl. 330-277.000.

Mueller, Otward M.: *See—*

Bottomley, Paul A.; Roemer, Peter B.; Edelstein, William A.; and Mueller, Otward M., 4,881,032, Cl. 324-309.000.

Mueller, Paul; Waynick, William R.; and Shirey, Phillip G., to Paul Mueller Company. Ice harvesting/water chiller machine. 4,829,782, 5-16-89, Cl. 62-347.000.

Mueller, Peter: *See—*

Rickert, Hans; Mueller, Peter; and Holzaepfel, Guenter, 4,836,992, Cl. 423-242.000.

Mueller, Peter F.: *See—*

Reynolds, George O.; and Mueller, Peter F., 4,804,249, Cl. 350-437.000.

Mueller, Peter S. Method of controlling tobacco use. 4,800,204, 1-24-89, Cl. 514-267.000.

Mueller, Peter W.; and Leason, Jack M., to Peaktronics, Inc. Asynchronous communications system. 4,803,481, 2-7-89, Cl. 340-825.500.

Mueller, Raymond, Jr.; and Nelson, Richard, to Western Industries Inc. Cap and spout assembly for a can. 4,811,865, 3-14-89, Cl. 222-153.000.

Mueller, Reinhard: *See—*

Boerner, Manfred; Mueller, Reinhard; and Trommer, Gert, 4,849,986, Cl. 372-97.000.

Mueller, Richard; and Fietzke, Guenter, to American Hofmann Corporation. Touch sensing method and apparatus. 4,820,092, 4-11-89, Cl. 409-133.000.

Mueller, Richard A.; and Partis, Richard A., to G. D. Searle & Co. Process and intermediates for the preparation of halogenated protease inhibitors. 4,803,294, 2-7-89, Cl. 560-54.000.

Mueller, Richard A.; and Partis, Richard A., to G. D. Searle & Co. Phenolic thioalkylamides as inhibitors of 5-lipoxygenase. 4,835,189, 5-30-89, Cl. 514-618.000.

Mueller, Richard A.; and Partis, Richard A., to G. D. Searle & Co. Phenolic thioethers as inhbitors of 5-lipoxygenase. 4,835,190, 5-30-89, Cl. 514-706.000.

Mueller, Richard A.; and Partis, Richard A., to G. D. Searle & Co. Phenolic thioethers as inhibitors of 5-lipoxygenase. 4,847,305, 7-11-89, Cl. 514-706.000.

Mueller, Richard A., to G. D. Searle & Co. Methods and compositions for inhibiting lipoxygenase. 4,857,558, 8-15-89, Cl. 514-712.000.

Mueller, Richard A.: *See—*

Chinn, Leland J.; Desai, Bipinchandra N.; and Mueller, Richard A., 4,801,611, Cl. 514-532.000.

Koszyk, Francis J.; Partis, Richard A.; and Mueller, Richard A., 4,876,268, Cl. 514-425.000.

Mueller, Richard H.: *See—*

Godfrey, Jollie D.; Mueller, Richard H.; and Zahler, Robert, 4,889,930, Cl. 540-363.000.

Mueller, Richard L., to Edward Weck Incorporated. Catheter having slit tip. 4,801,297, 1-31-89, Cl. 604-280.000.

Mueller, Robert: *See—*

Gausrab, Klaus; Hauser, Joachim; and Mueller, Robert, 4,882,950, Cl. 74-714.000.

Mueller, Roman, to Gebrueder Buehler AG. Apparatus for cleaning grain products. 4,806,235, 2-21-89, Cl. 209-321.000.

Mueller, Rudi: *See—*

Reichbauer, Hermann; Mueller, Rudi; and Riccato, Aldo, 4,881,074, Cl. 340-825.050.

Mueller, Rudolf; and Strasser, Ludwig, to Bayerische Motoren Werke Aktiengesellschaft. Wheel suspension for rear wheels of motor vehicles equipped with front wheel steering, especially passenger motor vehicles. 4,799,703, 1-24-89, Cl. 280-91.000.

Mueller, Rudolf; and Strasser, Ludwig, to Bayerische Motoren Werke Aktiengesellschaft. Wheel suspension for steerable rear wheel on motor vehicles equipped with front wheel steering especially passenger vehicle. 4,840,393, 6-20-89, Cl. 280-661.000.

Mueller, Rudolf: *See—*

Hagen, Hans; and Mueller, Rudolf, 4,813,705, Cl. 280-707.000.

Mueller, Ruediger, to Siemens Aktiengesellschaft. Optoelectronic coupling element, and method of making same. 4,888,625, 12-19-89, Cl. 357-17.000.

Mueller, Theodore: *See—*

Ecoffey, Olivier; Mueller, Theodore; and Sigg, Hans, 4,876,883, Cl. 73-37.500.

Mueller, Ulaich: *See—*

Danner, Alfred; Mueller, Ulaich; Unger, Klaus; and Hoelderich, Wolfgang, 4,871,701, Cl. 502-62.000.

Mueller, Walter B.; and Schirmer, Henry G., to W. R. Grace & Co. Chemically stabilized film. 4,816,343, 3-28-89, Cl. 428-480.000.

Mueller, Walter B., to W. R. Grace & Co. Low shrink energy films. 4,833,024, 5-23-89, Cl. 428-349.000.

Mueller, Walter B.; and Schirmer, Henry G., to W. R. Grace & Co. Method of making a multilayer film. 4,885,119, 12-5-89, Cl. 264-22.000.

Mueller, Warren B.; and Pettigrew, F. Alexander, to Ethyl Corporation. Thermal-acoustic insulation composite panel. 4,818,603, 4-4-89, Cl. 428-316.600.

Mueller, Warren B.; and Landry, Susan D., to Ethyl Corporation. Rigid polyphosphazene foam and process for making same. 4,870,113, 9-26-89, Cl. 521-89.000.

Mueller, Werner, to Siemens Aktiengesellschaft. Method for manufacturing transparent conductive indium-tin oxide layers. 4,842,705, 6-27-89, Cl. 204-192.290.

Mueller, Werner, to Messerschmitt-Bolkow-Blohm GmbH. Infrared radiation screening device. 4,876,851, 10-31-89, Cl. 60-264.000.

Mueller, Werner, to Hermann Berstorff Maschinenbau GmbH. Planetary gear extruder for the compounding and extrusion of plastic materials. 4,889,430, 12-26-89, Cl. 366-85.000.

Mueller, Werner H.; Khanna, Dinesh N.; and Vora, Rohitkumar H., to Hoechst Celanese Corporation. Photosensitive polyimide polymer compositions. 4,803,147, 2-7-89, Cl. 430-288.000.

Mueller, Werner H.; and Khanna, Dinesh, to Hoechst Celanese Corporation. Polycarbonamide of bis(2-(4-carboxyphenyl)-hexafluoroisopropyl)diphenyl ether. 4,822,868, 4-18-89, Cl. 528-208.000.

Mueller, Werner H.; and Khanna, Dinesh N., to Hoechst Celanese Corporation. Heat resistant polyamide and polybenzoxazole from bis-((amino-hydroxyphenyl)hexafluoroisopropyl)diphenyl ethers. 4,845,183, 7-4-89, Cl. 528-185.000.

Mueller, Werner H.; and Khanna, Dinesh N., to Hoechst Celanese Corporation. Polester of bis(2-(hydroxyphenyl)-hexafluoroisopropyl)diphenyl ether. 4,866,155, 9-12-89, Cl. 528-191.000.

Mueller, Werner H.: *See—*

Gupton, B. Franklin; Rea, James H.; and Mueller, Werner H., 4,871,859, Cl. 546-250.000.

Mueller, Wilhelm; and Schneider, Werner, to Siemens Aktiengesellschaft. Method for flow control of data within a meshed data network. 4,825,208, 4-25-89, Cl. 340-825.020.

Mueller, Willi: *See—*

Frei, Matthias; Mueller, Willi; and Sutter, Werner, 4,803,325, Cl. 219-64.000.

Mueller, William A.; and Hoffmann, Wolfgang, to General Motors Corporation. Accumulator system for closed die forging. 4,796,459, 1-10-89, Cl. 72-354.000.

Mueller, William R.: *See—*

Gelsomini, Lawrence J.; and Mueller, William R., 4,828,778, Cl. 264-167.000.

Mueller, Wolfgang: *See—*

Jentzsch, Arndt; Mueller, Wolfgang; Missbach, Falko; and Eichler, Volker, 4,867,062, Cl. 101-350.000.

Mueller, Wolfgang F.: *See—*

Bronstert, Klaus; and Mueller, Wolfgang F., 4,835,221, Cl. 525-332.800.

Mueller, Wolfgang R.; and Spencer, Gwynne W., II, to International Business Machines Corporation. Stacked double density memory module using industry standard memory chips. 4,884,237, 11-28-89, Cl. 365-63.000.

Muellers, John H. Dovetail machine. 4,875,510, 10-24-89, Cl. 144-145.00A.

Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., to Texaco Inc. Quench ring and dip-tube assembly. 4,801,307, 1-31-89, Cl. 48-69.000.

Muenstedt, Helmut, to BASF Aktiengesellschaft. Films of electrically conductive polymers. 4,869,949, 9-26-89, Cl. 428-216.000.

Muenstedt, Helmut, to BASF Aktiengesellschaft. Circuit board substrates of improved thermal conductivity. 4,886,686, 12-12-89, Cl. 428-1.000.

Muenstedt, Helmut: *See—*

Heinz, Gerhard; Koch, Juergen; Eggersdorfer, Manfred; Henkelmann, Jochem; Muenstedt, Helmut; and Ittemann, Peter, 4,867,912, Cl. 528-125.000.

Hellwig, Gerhard; Baur, Ottmar; Feisst, Klaus; Moehwald, Helmut; and Muenstedt, Helmut, 4,803,596, Cl. 361-525.000.

Muenzer, Adolf: *See—*

Grasser, Heinrich; and Muenzer, Adolf, 4,835,006, Cl. 427-39.000.

Muenzer, John A. Pole extending adapter. 4,863,306, 9-5-89, Cl. 403-299.000.

Muenzer, Wulf: *See—*

Grau, Werner; Kohl, Albert; Kovacs, Jenoe; Balz, Werner; and Muenzer, Wulf, 4,842,896, Cl. 427-131.000.

Muerdter, Herbert: *See—*

Hermann, Bernhard; Muerdter, Herbert; Ehresmann, Walter; and Kammerer, Manfred, 4,841,280, Cl. 340-706.000.

Mues, Peter; and Buysch, Hans-Josef, to Bayer Aktiengesellschaft. Process for the preparation of cyclic aliphatic orthocarbonic esters new cyclic orthocarbonic esters. 4,851,550, 7-25-89, Cl. 549-334.000.

Mues, Volker: *See—*

Forster, Heinz; Hofer, Wolfgang; Mues, Volker; Eue, Ludwig; and Schmidt, Robert R., 4,833,243, Cl. 540-480.000.

Muether, Manfred: *See—*

Adler, Rolf;; Heubeck, Erich; and Muether, Manfred, 4,870,673, Cl. 378-148.000.

Doebert, Michael; Guenther, Werner; Heubeck, Erich; Muether, Manfred; and Molitor, Dieter, 4,811,372, Cl. 378-39.000.

Guenther, Werner; Muether, Manfred; Heubeck, Erich; Doebert, Michael; and Werner, Leonhard, 4,823,369, Cl. 378-22.000.

Guenther, Werner; Heubeck, Erich; and Muether, Manfred, 4,831,645, Cl. 378-205.000.

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Pfeiffer, Joachim; Guenther, Werner; Muether, Manfred; and Heubeck, Erich, 4,878,234, Cl. 378-40.000.

Muff, Alois: *See—*

Beer, Hans-Rudolf; Britsch, Helmut; Kaiser, Tony; Maier, Gunther; and Muff, Alois, 4,805,064, Cl. 361-117.000.

Muff, Janet: *See—*

Jordan, Pavel; Muff, Janet; and Strong, Bernard, 4,850,973, Cl. 604-157.000.

Jordan, Pavel; Muff, Janet; and Strong, Bernard, 4,858,607, Cl. 128-314.000.

Muffke, Walter; and Raschdorff, Gunter, to Mannesmann AG. Tube connection for thin-walled small-diameter metal pipes. 4,842,310, 6-27-89, Cl. 285-334.500.

Muffler, Ronald J.: *See—*

Dillard, Homer E.; VanHoogstrate, John A.; and Muffler, Ronald J., 4,814,866, Cl. 358-60.000.

Muffoletto, Barry C.: *See—*

Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., 4,830,940, Cl. 429-194.000.

Mufti, Irshad R., to Mobil Oil Corporation. Method for interpreting seismic data. 4,809,240, 2-28-89, Cl. 367-72.000.

Mufti, Khizar S.: *See—*

Rathbone, Elner B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetham, Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S., 4,826,962, Cl. 536-122.000.

Mugglestone, Peter R.; and Rogers, Alfred M., to Thomson Industries, Inc. Self-contained linear bearing unit and linear bearings embodying such units. 4,815,862, 3-28-89, Cl. 384-43.000.

Muggli, Imelda A., to Minnesota Mining and Manufacturing Company. Fluorochemical surfactants and process for preparing same. 4,873,020, 10-10-89, Cl. 252-355.000.

Muggli, Imelda A.: *See—*

Olson, Maynard H.; Chang, John C.; and Muggli, Imelda A., 4,822,373, Cl. 8-115.600.

Mugikura, Norio, to Honda Giken Kogyo Kabushiki Kaisha. Rear speaker unit for a motor vehicle. 4,877,105, 10-31-89, Cl. 181-141.000.

Mugiya, Hiroshi; Hasegawa, Mitsuo; and Arai, Youichi, to Fujitsu Limited. Semiconductor device having waveguide-coaxial line transformation structure. 4,868,639, 9-19-89, Cl. 357-74.000.

Mugnai, Guido, to Unibind Limited. Universal paper file with insider glued back for bundling documents. 4,832,371, 5-23-89, Cl. 281-29.000.

Mugnier, Jacques: *See—*

Jung, Gerard; and Mugnier, Jacques, 4,886,664, Cl. 424-93.000.

Mugnolo, Anthony: *See—*

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Muguruma, Yasuyoshi: *See—*

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Muha, Ralph J.: *See—*

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Muhlbauer, Ernst. Applicator syringe for a dental compound. 4,798,596, 1-17-89, Cl. 604-218.000.

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Muhlberger, Frederick J., to Nelson A. Taylor Co., Inc. Curved windshield mounting system. 4,815,410, 3-28-89, Cl. 114-361.000.

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Muhlberger, Michael A.; and Rapp, Willard E., to American Telephone and Telegraph Company. Method and apparatus for attaching connectors. 4,878,295, 11-7-89, Cl. 29-863.000.
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Muhlemann, Hans R.; and Schmid, Hans, to GABA International AG. Process for stabilizing aqueous compositions containing tin salts. 4,828,822, 5-9-89, Cl. 424-52.000.
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Muir, Larry A., to Merck & Co., Inc. Use of certain compounds in livestock food as growth promotants for better feed utilization and improved carcass composition. 4,847,302, 7-11-89, Cl. 514-657.000.
Muir, Ron; and Mulrooney, Kevin L., to Witco Corporation. One-step process for preparation of thixotropic overbased calcium sulfonate complex thickened compositions. 4,824,584, 4-25-89, Cl. 252-39.000.
Muir, Ronald J., to Witco Corp. Imidazoline promoter overbased calcium sulfonates. 4,822,502, 4-18-89, Cl. 252-33.400.
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Mukai, Hirokatsu: *See—*
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  Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, 4,834,052, Cl. 123-549.000.
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  Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
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Mukai, Ryoichi, to Fujitsu Limited. Method for fabricating semiconductor device. 4,800,179, 1-24-89, Cl. 437-203.000.
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Mukai, Seiichi: *See—*
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Mukai, Toshiharu, to Matsushita Electric Industrial Co., Ltd. Digitally controlled positioning system for quickly moving and then finely positioning an object. 4,876,679, 10-24-89, Cl. 369-44.000.
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Mukaiya, Hitoshi, to Canon Kabushiki Kaisha. Zoom lens. 4,812,004, 3-14-89, Cl. 350-427.000.
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Mukohjima, Hitoshi; and Hiramatsu, Akira, to Canon Kabushiki Kaisha. Vibration wave motor. 4,831,305, 5-16-89, Cl. 310-323.000.
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Mukohyama, Hideaki; Oka, Hiroshi; and Shibusawa, Kenji, to Kohjin Co., Ltd. Diluent for UV and EB curable resins. 4,886,840, 12-12-89, Cl. 522-96.000.
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Mukutmoni, Tapas, to McDonnell Douglas Corporation. Transient waveform generator. 4,837,525, 6-6-89, Cl. 331-165.000.
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Mula, Joseph A.: *See—*
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Mulawka, Jan; Konczykowska, Agnieszka; and Bon, Michel, to Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications); and Mulawka, Jan. Biquad block with switched capacitors without continuous feedback loop and with no sensitivity compared with the gain of operational amplifiers and the ratio of the capacitances. 4,841,263, 6-20-89, Cl. 333-173.000.
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Mulcahy, John J.; and Hill, I. David, to Starensier, Inc.; and Enka America Inc. Waterproof shoe construction and manufacture. 4,819,345, 4-11-89, Cl. 36-17.00R.
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Mulcey, Philippe; Pourprix, Michel; Pybot, Patrick; and Vendel, Jacques, to Commissariat a l'Energie Atomique. Device for the real time measurement of the content of an aerosol in a gas. 4,868,398, 9-19-89, Cl. 250-458.100.
Mulcihy, Thomas W., Jr., to Dow Chemical Company, The. Gas pressure relief apparatus. 4,800,914, 1-31-89, Cl. 137-247.450.
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Mulder, Hendrik, to B.V. Optische Industrie "De Oude Delft". System for detecting two X-ray energies. 4,821,306, 4-11-89, Cl. 378-156.000.
Mulder, Jakob W., to U.S. Philips Corporation. Pick up device having pick up elements arranged in a predetermined pattern and smear component reduction varying independence upon the position of a pick up element in the pattern. 4,864,407, 9-5-89, Cl. 358-213.240.
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Mulder, Merle W.; and Mol, Vernon J., III. Filter dispenser. 4,874,112, 10-17-89, Cl. 221-1.000.
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Mulford, Cass E. Method of constructing a rafter. 4,815,250, 3-28-89, Cl. 52-741.000.
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Mulhaupt, Rolf; and Simon, Hubert, to Ciba-Geigy Corporation. Novel oxazolidines. 4,874,805, 10-17-89, Cl. 524-188.000.
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Mull, John D. Plasma separator. 4,854,933, 8-8-89, Cl. 494-38.000.
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Mullane, William E., to Taylor-Winfield Corporation, The. Side terminal connection by fusing. 4,817,278, 4-4-89, Cl. 29-730.000.
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Mullay, John J.; and Sohara, Joseph A., to Atlas Powder Company. Stable fluid systems for preparing high density explosive compositions. 4,830,687, 5-16-89, Cl. 149-2.000.
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Mullen, Gerald G., to Hybond, Inc. Method and apparatus for bonding with consistent uniform bond thickness. 4,857,133, 8-15-89, Cl. 156-378.000.
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Mullen, Karl I. Apparatus for use with barbells. 4,832,334, 5-23-89, Cl. 272-123.000.
Mullen, Patrick W.; and Nobile, Frederick E., to Linear Optics Company, Inc. Light modulating material and method for preparing same. 4,888,126, 12-19-89, Cl. 252-299.500.
Mullen, Paul A., to Carlisle Tire & Rubber Company. Recreation surface and tile interlocking scheme. 4,848,058, 7-18-89, Cl. 52-585.000.
Mullen, Robert S. Door opening apparatus and method of using same. 4,876,927, 10-31-89, Cl. 81-15.900.
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Mullen, William B., III, to Motorola, Inc. Electrical socket apparatus with temporary housing. 4,878,851, 11-7-89, Cl. 439-83.000.
Mullen, William B., III; and Hendricks, Douglas W., to Motorola, Inc. Method for effecting solder interconnects. 4,889,275, 12-26-89, Cl. 228-180.200.

- Mullen, William B., III: *See—*
  - Urbish, Glenn F.; Mullen, William B., III; and Mooney, Charles W., 4,877,569, Cl. 264-221.000.
- Mullen, William H.: *See—*
  - Vadgama, Pankaj M.; Mullen, William H.; and Scott, Graham W., 4,832,797, Cl. 204-1.00T.
- Mullenax, Kem E. Slip-on attachment for skateboards. 4,805,934, 2-21-89, Cl. 280-7.120.
- Mullendore, James A.: *See—*
  - Kegel, Andrew J.; Spencer, James R., Smith, James S.; Rhodes, Russell H.; and Mullendore, James A., 4,836,108, Cl. 102-306.000.
  - Spencer, James R.; and Mullendore, James A., 4,885,031, Cl. 75-248.000.
- Mullenmeister, Thomas, to Gerhard Rosorius. Thermally readable encoding and activation thereof. 4,888,475, 12-19-89, Cl. 235-487.000.
- Mullens, Paul A.: *See—*
  - Baker, Joseph R.; Golland, Wesley A.; Mullens, Paul A.; and Trimble, Roger B., 4,877,179, Cl. 232-7.000.
- Muller, Adam: *See—*
  - Goller, Ernest; Ploppa, Jurgen; and Muller, Adam, 4,821,534, Cl. 66-60.00R.
- Muller, Adolf; and Schlucker, Eberhard, to LEWA Herbert Ott GmbH & Co. Diaphragm pump with circulation flushing. 4,832,581, 5-23-89, Cl. 417-383.000.
- Muller, Alexander, to Deutsche Gelatinefabriken Stoess & Co. GmbH. Instantized gelatin soluble in cold water. 4,889,920, 12-26-89, Cl. 530-355.000.
- Muller, Alexander: *See—*
  - Koepff, Peter; Muller, Alexander; Schreiber, Reinhard; Turowski, Angelika; and Braumer, Klaus, 4,804,745, Cl. 530-356.000.
  - Sinden, Michael W.; and Muller, Alexander, 4,796,152, Cl. 361-192.000.
- Muller, Alfred: *See—*
  - Ulmer, Rolf; Muller, Alfred; Hugger, William; and Hablitzel, Heinz, 4,830,241, Cl. 224-42.200.
- Muller, Annemarie: *See—*
  - Feller, Wolfgang; Stormer, Rainer; and Muller, Annemarie, 4,816,446, Cl. 514-56.000.
- Muller, Arno, to Pitney Bowes Inc. Postage meter with microprocessor controlled reset inhibiting means. 4,807,141, 2-21-89, Cl. 364-464.020.
- Muller, Arthur: *See—*
  - Andheden, Sigvard; and Muller, Arthur, 4,859,453, Cl. 424-10.000.
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  - Martens, Alfred; Holck, Jens-Peter; Berger, Herbert; Muller-Beckman, Bernd; Strein, Klaus; and Roesch, Egon, 4,835,280, Cl. 548-127.000.
- Muller-Beckmann, Bernd: *See—*
  - Bohm, Erwin; Holck, Jens-Peter; Kampe, Wolfgang; Leinert, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,880,805, Cl. 514-237.500.
  - Mertens, Alfred; Holck, Jens-Peter; Kampe, Wolfgang; Muller-Beckmann, Bernd; Strein, Klaus; and Schaumann, Wolfgang, 4,810,801, Cl. 548-411.000.
  - Mertens, Alfred; and Muller-Beckmann, Bernd, 4,824,835, Cl. 514-278.000.
  - Mertens, Alfred; von der Saal, Wolfgang; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,847,251, Cl. 514-247.000.
  - Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,851,406, Cl. 514-212.000.
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- Muller, Bernd W. W., to Janssen Pharmaceutica N.V. Derivatives of γ-cylodextrin. 4,870,060, 9-26-89, Cl. 514-58.000.
- Muller, Bernhard: *See—*
  - Armier, Karl-Heinz; and Muller, Bernhard, 4,839,496, Cl. 219-121.630.
- Muller, Bruce R.: *See—*
  - Carmichael, Even P.; Niedospial, John J.; Covington, Roger G.; and Muller, Bruce R., 4,813,063, Cl. 378-182.000.
  - Covington, Roger G.; Muller, Bruce R.; Carmichael, Evan P.; and Niedospial, John J., 4,807,271, Cl. 378-182.000.
- Muller, Charles J., to Pfizer Hospital Products Group, Inc. Long stem hip implant. 4,871,369, 10-3-89, Cl. 623-23.000.
- Muller, Claus: *See—*
  - Emmenthal, Klaus-Dieter; Muller, Claus; and Schafer, Otto, 4,818,199, Cl. 418-55.000.
  - Emmenthal, Klaus-Dieter; Muller, Claus; and Schaafer, Otto, 4,832,586, Cl. 418-55.000.
- Muller, Daniel: *See—*
  - Armand, Michel; Gauthier, Michel; and Muller, Daniel, 4,851,307, Cl. 429-192.000.
- Muller, David F., to Summit Technology, Inc. Laser reprofiling systems and methods. 4,856,513, 8-15-89, Cl. 128-303.100.
- Muller, David F.: *See—*
  - Clarke, Richard H.; Isner, Jeffrey M.; and Muller, David F., 4,862,886, Cl. 128-303.100.
- Muller, Dieter; Hirsch, Christian; and Pantucek, Peter, to Heraeus Sepatech GmbH. Container adapted for use in centrifuge. 4,804,100, 2-14-89, Cl. 220-1.00R.
- Muller, Dieter; and Rein, Wilhelm, to Flachglas Aktiengesellschaft. Front attachment for CRT. E.G. for a monitor or video tube. 4,804,883, 2-14-89, Cl. 313-478.000.
- Muller, Dieter H.: *See—*
  - Ramisch, Rolf; Pav, Josef; Patermann, Hans-Dieter, and Muller, Dieter H., 4,823,450, Cl. 29-116.200.
- Muller, Dietrich. Process for removing or separating pollutants from waste gases. 4,818,505, 4-4-89, Cl. 423-210.000.
- Muller, Donald. Back and leg stretcher. 4,819,936, 4-11-89, Cl. 272-126.000.
- Muller, Eberhard. Method and device to transform electromagnetic waves. 4,809,292, 2-28-89, Cl. 372-92.000.
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  - Musch, Rudiger; Muller, Eberhard; Hohmann, Gerhard; and Schabel, Karl-Heinz, 4,857,616, Cl. 526-204.000.
  - Obrecht, Werner; Wendling, Peter; Gobel, Wilhelm; and Muller, Eberhard, 4,814,401, Cl. 526-204.000.
- Muller, Eduard, to Maschinenfabrik Sulzer-Burckhardt AG. Apparatus for removing oil from a compressed gas flow. 4,878,923, 11-7-89, Cl. 55-185.000.
- Muller, Erich; Volkert, Edmund; and Rienecker, Wolfgang, to ZWN Zahnradwerk Neuenstein GmbH & Co. Gear-shift mechanism for motor-vehicle multi-step transmissions with interruption of traction. 4,817,470, 4-4-89, Cl. 74-866.000.
- Muller, Erich: *See—*
  - Heckel, Armin; Nickl, Josef; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,870,076, Cl. 514-252.000.
  - Nickl, Josef; Heckel, Armin; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,820,705, Cl. 514-247.000.
- Muller, Erich R.; and Volkert, Edmund. Gearshifting device for a manually operated transmission for motor vehicles. 4,886,151, 12-12-89, Cl. 192-3.620.
- Muller, Ernest G.: *See—*
  - Ahmed, Fahim U., Gabor, Thomas J.; Muller, Ernest G.; and Subramanyam, Ravi, 4,867,899, Cl. 252-121.000.
- Muller, Felix: *See—*
  - Stenzel, Otto; Muller, Felix; Bruckmann, Gerhard; and Choudhury, Alok, 4,881,239, Cl. 373-70.000.
- Muller, Francis: *See—*
  - Baptist, Robert; Brenac, Ariel; Chauvet, Gerard; Meyer, Robert; and Muller, Francis, 4,835,438, Cl. 313-309.000.
- Muller, Franz; Baur, Erwin; Simon, Herbert; and Sailer, Hubert, to Zahnradfabrik Friedrichshafen AG. Vehicle driving mechanism having a synchromesh gearbox with an additional clutch in each of two power branches. 4,827,784, 5-9-89, Cl. 74-330.000.
- Muller, Franz-Josef: *See—*
  - Grimminger, Albert; Muller, Franz-Josef; and Samann, Hans-Joachmi, 4,863,364, Cl. 425-208.000.
- Muller, Friedemann: *See—*
  - Eichenauer, Herbert; Lindner, Christian; Muller, Friedemann; Hocker, Hartwig; and Keul, Helmut, 4,801,632, Cl. 524-37.000.
  - Freitag, Dieter; Joswig, Thomas; Idel, Karsten; Fullmann, Heinz-Josef; and Muller, Friedemann, 4,888,370, Cl. 524-100.000.
  - Fuhr, Karl; Muller, Friedemann; and Ott, Karl-Heinz, 4,837,276, Cl. 524-125.000.
- Muller, Friedhelm; and Ruthenberg, Klaus, to Continental Aktiengesellschaft. internal mixer. 4,877,328, 10-31-89, Cl. 366-76.000.
- Muller, Friedhelm: *See—*
  - Koll, Jochen; Muller, Friedhelm; Bieber, Werner; Konig, Joachim; Eckstein, Udo; and Theidel, Hans, 4,888,128, Cl. 252-301.230.
- Muller, Fritz. Electric position indicating apparatus. 4,829,148, 5-9-89, Cl. 200-56.00R.
- Muller, Fritz; and Lohrum, Anton, to Muller, Fritz. Apparatus, for motor vehicles having a liquid-cooled engine, for heating windshield washer liquid or the like. 4,862,951, 9-5-89, Cl. 165-41.000.
- Muller, Georg; Buschmann, Gerhard; and Hoffmann, Peter, to Jagenberg Aktiengesellschaft. Apparatus for applying a paper web to the underside of a roll-making drum. 4,824,039, 4-25-89, Cl. 242-65.000.
- Muller, Georg; Buschmann, Gerhard; and Hoffmann, Peter, to Jagenburg Aktiengesellschaft. Method of and apparatus for the feeding of a paper web to a roll-making machine. 4,846,417, 7-11-89, Cl. 242-65.000.
- Muller, George H. Powered rotary scalpel structure. 4,887,599, 12-19-89, Cl. 606-180.000.
- Muller, Gerard, to Muller, Gerard. Contact lens for oriented optical corrections. 4,795,249, 1-3-89, Cl. 351-161.000.
- Muller, Gerard, to Muller, Gerard. Contact lens for oriented optical corrections. 4,859,049, 8-22-89, Cl. 351-161.000.
- Muller, Gerhard; and Greve, Peter, to Carl-Zeiss-Stiftung. Device for therapeutical irradiation of organic tissue by laser radiation. 4,836,203, 6-6-89, Cl. 128-203.100.
- Muller, Gerhard; and Engelfried, Werner, to Terrot Strickmaschinen GmbH. Knitting machine. 4,838,048, 6-13-89, Cl. 66-220.000.
- Muller, Gerhard: *See—*
  - Engelfried, Werner; and Muller, Gerhard, 4,862,709, Cl. 66-104.000.
  - Hauffe, Dieter; Kuhna, Rainer; Muller, Gerhard; Rausch, Werner; and Schumichen, Helmut, 4,867,853, Cl. 204-181.300.

- Muller GmbH & Co. KG.: *See—*
  - Gies, Burkhard, 4,862,933, Cl. 141-130.000.
- Muller, Gunter; Nagel, Rolf; and Stahli, Jurg, to Metallogal AG. Single-component polyrethane coating mass. 4,874,812, 10-17-89, Cl. 524-712.000.
- Muller, Gunter: *See—*
  - Grassman, Wolfgang; Berner, Walter; and Muller, Gunter, 4,823,340, Cl. 370-58.000.
  - Meyer, Rainer-Leo; John, Reinmar; Nagel, Rolf; and Muller, Gunter, 4,812,356, Cl. 428-220.000.
- Muller, Gunther: *See—*
  - Pollak, Gottfried; and Muller, Gunther, 4,809,473, Cl. 32-220.000.
- Muller, Hanns P.; and Gipp, Roland, to Bayer Aktiengesellschaft. Process for the preparation of 4-hydroxyphenyl 4-hydroxybenzoate and the use thereof. 4,855,484, 8-8-89, Cl. 560-72.000.
- Muller, Hanns P.; and Gipp, Roland, to Bayer Aktiengesellschaft. Process for preparing polyurethanes from an organic diisocyanate ester. 4,868,268, 9-19-89, Cl. 528-76.000.
- Muller, Hanns P.: *See—*
  - Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Fedain, Josef; and Kreuder, Hans-Joachim, 4,851,531, Cl. 544-222.000.
  - Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, 4,810,536, Cl. 427-421.000.
  - Jansen, Bernhard; Muller, Hanns P.; Richter, Roland; Schapel, Dietmar; and Schmidt, Rudolf, 4,826,948, Cl. 528-28.000.
  - Kerimis, Dimitrios; and Muller, Hanns P., 4,837,321, Cl. 544-193.000.
  - Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, 4,824,595, Cl. 252-182.170.
- Muller, Hans, to Heidelberger Druckmaschinen AG. Apparatus for cutting and dividing a continuous stream of printed products. 4,811,641, 3-14-89, Cl. 83-105.000.
- Muller, Hans, to Guhring Automation GmbH & Co. Machine tool for machining workpieces by means of rotary tools. 4,833,764, 5-30-89, Cl. 29-40.000.
- Muller, Hans: *See—*
  - Kuhn, Walter; and Muller, Hans, 4,823,641, Cl. 74-760.000.
- Muller, Hans-Klaus: *See—*
  - Hassel, Tillmann; Hocker, Jurgen; Heywang, Gerhard; Muller, Hans-Klaus; and Fitzky, Hans G., 4,841,073, Cl. 549-232.000.
- Muller, Hans-Rudolf, to Zuricher Beuteltuchfabrik AG. Object for receiving and storing useful means. 4,811,693, 3-14-89, Cl. 119-15.000.
- Muller, Hans-Werner: *See—*
  - Traubel, Harro; Woynar, Helmut; Muller, Hans-Werner; and Focks, Hans J., 4,810,251, Cl. 8-94.230.
  - Traubel, Harro; Woynar, Helmut; and Muller, Hans-Werner, 4,831,075, Cl. 524-538.000.
- Muller, Hartmut; and Huber, Hans, to Huels Troisdorf Aktiengesellschaft. Pressure-sensitive adhesives based on radiation-curable polyesters containing (meth)acrylic groups. 4,820,745, 4-11-89, Cl. 522-90.000.
- Muller, Hartmut; and Huber, Hans, to Huels Troisdorf Aktiengesellschaft. Radiation-curable macromers based on (meth)acrylate-functional polyesters, and their use. 4,822,829, 4-18-89, Cl. 522-90.000.
- Muller, Heinrich; and Keim, Karl-Heinz, to Union Rheinische Braunkohlen Kraftstoff AG. Motor-fuels. 4,801,305, 1-31-89, Cl. 44-53.000.
- Muller, Heinz, to Reifenhauser GmbH & Co. Maschinenfabrik. Apparatus for calendering plastic web extruded from a slot die. 4,874,571, 10-17-89, Cl. 264-175.000.
- Muller, Heinz: *See—*
  - Yngve, Paul W.; Artzt, Peter; Egbers, Gerhard; Stark, Ullrich; and Muller, Heinz, 4,802,330, Cl. 57-238.000.
- Muller, Heinz K., to Martin Merkel GmbH & Co KG. Sealing arrangement. 4,889,349, 12-26-89, Cl. 277-85.000.
- Muller, Helmut: *See—*
  - Enderle, Eckhard; Kaufmann, Dieter; Muller, Helmut; and Andrzejewski, Thomas, 4,888,877, Cl. 33-559.000.
- Muller, Herbert: *See—*
  - Feldmann, Hugo; Muller, Herbert; and Schlanzke, Claus, 4,813,257, Cl. 72-199.000.
- Muller, Horst: *See—*
  - Gattermann, Bernd; Steenken, Bernhard; Grosse-Scharmann, Franz; and Muller, Horst, 4,798,271, Cl. 192-18.00R.
- Muller, Hubert. Shoe-construction product and method of fabricating the product. 4,831,750, 5-23-89, Cl. 36-28.000.
- Muller, Hubert: *See—*
  - Feldmann, Hugo; Muller, Hubert; and Schlanzke, Claus, 4,803,863, Cl. 72-199.000.
- Muller, Ingrid: *See—*
  - Hemmerling, Wolfgang; Dubal, Hans-Rolf; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,876,028, Cl. 252-299.610.
  - Heppke, Gerd; Bahr, Christian; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,855,429, Cl. 544-335.000.
- Muller, Jacques, to ETA SA Fabriques d'Ebauches. Watch case with glass-to-metal seal. 4,831,607, 5-16-89, Cl. 368-309.000.
- Muller, Jakob, to Textilma AG. Mechanical loom. 4,830,064, 5-16-89, Cl. 139-437.000.
- Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, to Universite de Metz. Apparatus for the translatory manipulation of an element such as an axle. 4,879,467, 11-7-89, Cl. 250-288.000.
- Muller, Jean-Louis, to Institut de Recherches de la Siderurgie Francaise. Process for detecting defects on a surface by eddy currents and device for carrying out said process. 4,799,010, 1-17-89, Cl. 324-240.000.
- Muller, Jean-Louis, to Institut de Recherches de la Siderurgie Francaise. Process and device for detecting structural defects in a product utilizing differential detection of eddy currents. 4,799,011, 1-17-89, Cl. 324-233.000.
- Muller, Jean M., to Figg and Muller Engineers, Inc. Method of constructing the approach and main spans of a cable stayed segmental bridge. 4,799,279, 1-24-89, Cl. 14-1.000.
- Muller, Jean-Paul: *See—*
  - Chazot, Henri; Cauquil, Gerard; and Muller, Jean-Paul, 4,854,355, Cl. 141-130.000.
- Muller, John, to Davidson Textron Inc. Plastic shell for foam moldings. 4,878,827, 11-7-89, Cl. 425-434.000.
- Muller, John E., Jr., to Pomona Service & Supply Co., Inc. Paper bag feeder for bag-filling operations and process. 4,840,016, 6-20-89, Cl. 53-459.000.
- Muller, Jorg: *See—*
  - Gresens, Harry; and Muller, Jorg, 4,846,386, Cl. 226-118.000.
- Muller, Josef: *See—*
  - Wehling, Bernhard; Muller, Josef; and Rosentreter, Helga, 4,834,763, Cl. 8-94.260.
- Muller, Jurgen; and Halle, Eberhard, to Schmalbach-Lubeca AG. Apparatus for packing a cylindrical stack of disk-like workpieces 4,848,059, 7-18-89, Cl. 53-133.000.
- Muller, Jurgen, to Leybold Aktiengesellschaft. Inductively excited ion source. 4,849,675, 7-18-89, Cl. 315-111.510.
- Muller, Jurgen; and Halle, Eberhard, to Schmalbach Lubeca AG; and Halle, Eberhard. Apparatus for forming separate piles of equal-numbered disk-like workpieces from a longitudinally moving stack. 4,869,359, 9-26-89, Cl. 198-419.200.
- Muller, Jurgen: *See—*
  - Kochmann, Heike; Lechner, Georg; Muller, Jurgen; and Scholz, Norbert, 4,872,030, Cl. 354-76.000.
  - Markl, Maximilian; Heidrich, Gunter; Schmidt, Manfred; Muller, Jurgen; and Wauer, Dieter, 4,844,842, Cl. 261-30.000.
  - Wiesmann, Theo; Steinert, Wolfgang; Muller, Jurgen; and Noldeke, 4,866,738, Cl. 375-23.000.
- Muller, Karl-Heinz, to Siemens Aktiengesellschaft. Apparatus for adjusting a mask with at least one adjustment mark relative to a semi-conductor wafer provided with at least one lattice structure. 4,820,055, 4-11-89, Cl. 356-401.000.
- Muller, Klaus. Process of manufacturing synthetic hair for wigs, hair pieces, etc. 4,813,969, 3-21-89, Cl. 8-115.510.
- Muller, Klaus, to Walter Just Gesellschaft m.b.H. Self-inking stamp for performing an inking upstroke. 4,823,691, 4-25-89, Cl. 101-104.000.
- Muller, Klaus: *See—*
  - Barner, Richard; Burri, Kaspar; Cassal, Jean-Marie; Hadvary, Paul; Hirth, Georges; and Muller, Klaus, 4,863,941, Cl. 514-365.000.
  - Wirth, Hermann O.; and Muller, Klaus, 4,847,457, Cl. 562-8.000.
- Muller, Klaus D.; Rau, Ernst; and Zappen, Hans-Wilhelm, to Robert Bosch GmbH. Video signal noise reduction circuit. 4,851,911, 7-25-89, Cl. 358-167.000.
- Muller, Klaus-Helmut: *See—*
  - Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
  - Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
  - Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.
  - Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., 4,802,910, Cl. 71-93.000.
- Muller, Klaus-Jurgen: *See—*
  - Bruun, Dieter; Dietz, Wolfgang; Muller, Klaus-Jurgen; and Reynvaan, Conrad H. H., 4,806,224, Cl. 204-222.000.
- Muller, Kurt; and Bohler, Erwin, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for delivering ammunition from a container structure to a firing weapon. 4,840,109, 6-20-89, Cl. 89-33.140.
- Muller, Kurt; and Wuthrich, Alfred, to Cerberus AG. Sabotage resistant light barrier wherein radiation is polarized into two opposite types of polarization. 4,847,488, 7-11-89, Cl. 250-225.000.
- Muller, Kurt; and Mahler, Hansjurg, to Cerberus AG. Intrusion detector. 4,880,980, 11-14-89, Cl. 250-353.000.
- Muller, Kurt: *See—*
  - Hurlemann, Ernst; Muller, Kurt; and Ruppen, Bruno, 4,840,108, Cl. 89-33.140.
- Muller, Leo R.: *See—*
  - Baker, Donald E.; Byrne, Joe L.; Muller, Leo R.; and Schmidt, Phillip L., 4,867,634, Cl. 415-121.200.
- Muller, Leonard, Jr., to Heath Tecna Aerospace Co. Latch mechanism. 4,844,520, 7-4-89, Cl. 292-128.000.
- Muller-Lierheim, Wolfgang G. K., to Dr. Muller-Lierheim AG. Implant. 4,828,563, 5-9-89, Cl. 623-16.000.
- Muller, Lothar; and Schmetzer, Gert. Connecting piece. 4,846,505, 7-11-89, Cl. 285-3.000.
- Muller, Lothar, to Gebr. Eickhoff Maschinenfabrik u. Eisenglesserei mbH. Gear rack for driving or guiding a drum cutter loader. 4,850,648, 7-25-89, Cl. 299-43.000.
- Muller, Lothar: *See—*
  - Stoll, Kurt; and Muller, Lothar, 4,876,945, Cl. 92-5.00R.

- Muller, Louis F.: *See—*
  - Kuntz, David H.; and Muller, Louis F., 4,825,878, Cl. 128-857.000.
  - Kuntz, David H.; and Muller, Louis F., 4,865,812, Cl. 422-99.000.
  - Kuntz, David H.; and Muller, Louis F., 4,872,465, Cl. 128-857.000.
- Muller, Manfred, to Taprogge Gesellschaft mbH. Pipeline sieve with a suction removal device. 4,867,879, 9-19-89, Cl. 210-392.000.
- Muller, Manfred; and Biederstedt, Lutz, to Krone Aktiengesellschaft. Electrical connector construction. 4,871,330, 10-3-89, Cl. 439-709.000.
- Muller, Manfred: *See—*
  - Biederstedt, Lutz; and Muller, Manfred, 4,887,183, Cl. 361-124.000.
  - Engelhardt, Fritz; Hintermeier, Karl; Muller, Manfred; Munch, Norbert; and Wagener, Hans, 4,877,540, Cl. 252-8.750.
  - Gerke, Dieter; Muller, Manfred; and Biederstedt, Lutz, 4,822,298, Cl. 439-402.000.
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- Multi-Elmac Corporation: *See—*
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- Multi-Task Engineering Ltd.: *See—*
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  - Jarrett, Frank N.; and Munch, John E., Jr., 4,798,241, Cl. 165-109.100.
- Munch, Karl: *See—*
  - Born, Gerhard; and Munch, Karl, 4,844,234, Cl. 198-458.000.
- Munch, Norbert: *See—*
  - Engelhardt, Fritz; Hintermeier, Karl; Muller, Manfred; Munch, Norbert; and Wagener, Hans, 4,877,540, Cl. 252-8.750.
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  - Walton, Richard R.; and Munchbach, George E., 4,806,300, Cl. 264-288.800.
  - Walton, Richard R.; and Munchbach, George E., 4,859,169, Cl. 425-336.000.
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  - Ehrfeld, Wolfgang; and Munchmeyer, Dietrich, 4,797,211, Cl. 210-321.840.
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  - Brohl, Franz-Josef; and Finck, Lothar, 4,823,765, Cl. 425-4.00R.
- Munchow, Karl H.: *See—*
  - Redtenbacher, Michael; and Munchow, Karl H., 4,817,847, Cl. 227-19.000.
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  - Ebmeyer, Wilfried; Achelpohl, Fritz; and Mundus, Friedhelm, 4,838,977, Cl. 156-252.000.
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  - Impink, Albert J., Jr.; Lipner, Melvin H.; and Mundy, Roger A., 4,803,039, Cl. 376-216.000.
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  - Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoaki; and Kiyohara, Akio, 4,870,146, Cl. 526-237.000.
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  - Kobayashi, Shigeyoshi; Munekata, Seiji; Unoki, Masao, and Iwamoto, Toshio, 4,804,246, Cl. 350-96.340.
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  - Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
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  - Sato, Takeshi; Adachi, Hiroo; and Munetomo, Shigeru, 4,860,361, Cl. 381-55.000.
- Munezuka, Yuzi: *See—*
  - Sakakibara, Masayuki; Munezuka, Yuzi; and Kato, Shinichiro, 4,833,156, Cl. 514-424.000.
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- Munier, Bernard; de Groot, Paul; Weisbuch, Claude; Moiroud, Guy; and Henry, Yves, to Thomson-CSF. Photocathode having internal amplification. 4,829,355, 5-9-89, Cl. 357-30.000.
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  - Bouillot, Michel; Calvignac, Jean L.; and Munier, Jean-Marie L., 4,811,339, Cl. 370-94.000.
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- Munk, Harald, to NOVOPACK Maschinenbau GmbH. Coffee bean roaster. 4,875,904, 10-24-89, Cl. 34-67.000.

- Munkel, Albert: *See—*
  - Eckes, Helmut; Winter, Rainer; and Munkel, Albert, 4,812,492, Cl. 523-351.000.
- Munkel, Uwe, to Kuehnle, Kopp & Kausch. Bearing for an exhaust-gas turbocharger. 4,838,711, 6-13-89, Cl. 384-215.000.
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  - Asmussen, Erik; and Munksgaard, Erik C., 4,810,195, Cl. 433-215.000.
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  - Conner, Donald W., Jr.; and Munoz, Craig A., 4,842,332, Cl. 297-214.000.
- Munoz, Jose, to Stanley Works, The. Oven door latch with handle stabilizer. 4,861,078, 8-29-89, Cl. 292-113.000.
- Munoz, Jose P., to Ingersoll-Rand Company. Fluid-jet-cutting nozzle assembly. 4,836,455, 6-6-89, Cl. 239-590.300.
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- Munro, John C. Univeral level light adapter. 4,833,788, 5-30-89, Cl. 33-348.200.
- Munro, Murray H. G.; Perry, Nigel B.; and Blunt, John W., to Harbor Branch Oceanographic Institution, Inc. Discorhabdin D, compositions containing same and methods of preparatio and use thereof. 4,874,767, 10-17-89, Cl. 514-278.000.
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  - Blunt, John W.; Munro, Murray H. G.; Perry, Nigel B.; and Thompson, Andrew M., 4,868,204, Cl. 514-452.000.
- Munro, Roderick L.; and Weilgut, R. John, to Scoralin Inc.; and Dillingham Construction, Ltd. Flexible pipe or cable laying apparatus. 4,830,537, 5-16-89, Cl. 405-179.000.
- Munroe, Arthur J. Floating tap holder. 4,818,158, 4-4-89, Cl. 408-241.00R.
- Munroe, Bruce R.: *See—*
  - Marusa, David M.; and Munroe, Bruce R., 4,862,159, Cl. 340-825.240.
- Munroe, Donald H.: *See—*
  - Yon, Ronald R.; and Munroe, Donald H., 4,813,740, Cl. 297-219.000.
- Munroe, Ronald G., to Eagle Electric Mfg. Co. Inc. Duplex electrical receptacle with one-piece multi-function grounding strip. 4,836,793, 6-6-89, Cl. 439-107.000.
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- Munscher, Dieter: *See—*
  - Syncfzik, Reinhard; Doherr, Karl-Friedrich; Munscher, Dieter; and Saliaris, Christos, 4,860,660, Cl. 102-501.000.
- Munsey, R. Jack; Rose, Todd N.; and Cooper, Gordon J., to C-Tec, Inc. Access floor panel with peripheral trim. 4,850,176, 7-25-89, Cl. 52-829.000.
- Munsinger, Walter: *See—*
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- Munson, Arden L.; and Gruber, Joseph C., to Hussmann Corporation. Interface adapter for interfacing a remote controller with commercial refrigeration and environmental control systems. 4,829,779, 5-16-89, Cl. 62-175.000.
- Munson, Arthur E.: *See—*
  - Walton, Jim M.; and Munson, Arthur E., 4,876,979, Cl. 114-258.000.
- Munson, Harry R., Jr.; and Tankersley, Robert W., Jr., to A. H. Robins Company, Incorporated. Substituted dialkanolamines, sulfur analogs and condensed 1,4-oxazine derivatives thereof in viral disease treatment. 4,803,200, 2-7-89, Cl. 514-231.200.
- Munson, Jeffrey F.; Rizvi, Syed Q. A.; and Di Biase, Stephen A., to Lubrizol Corporation, The. Low molecular weight viscosity modifying compositions. 4,804,489, 2-14-89, Cl. 252-32.70E.
- Munson, Jon: *See—*
  - Borden, Peter; Szalai, Laszlo; and Munson, Jon, 4,804,853, Cl. 250-574.000.
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- Munson, Michael G.; Munson, Robert E.; Westfeldt, Patrick M., Jr.; and Lalezari, Farzin, to Ball Corporation. Monopole/L-shaped parasitic elements for circularly/elliptically polarized wave transceiving. 4,864,320, 9-5-89, Cl. 343-833.000.
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  - Johnson, Russell W.; and Munson, Robert E., 4,821,040, Cl. 343-700.0MS.
  - Johnson, Russell W.; and Munson, Robert E., 4,835,541, Cl. 343-713.000.
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  - Althoff, Karl-Heinz; Kunick, Werner; Munstermann, Manfred; Voss, Uwe; and Glanz, Werner, 4,854,805, Cl. 414-495.000.
- Munt, Dean J., III; and Munt, Nancy J. Combination kite control and reel device. 4,796,827, 1-10-89, Cl. 242-96.000.
- Munt, Nancy J.: *See—*
  - Munt, Dean J., III; and Munt, Nancy J., 4,796,827, Cl. 242-96.000.
- Muntean, George L.: *See—*
  - Shultz, David E.; Muntean, George L.; and Vogt, Kevin L., 4,813,600, Cl. 239-88.000.
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- Munter, Ernst A.: *See—*
  - Grover, Wayne D.; and Munter, Ernst A., 4,827,475, Cl. 370-110.100.
- Muntner, Donald A.: *See—*
  - Muller, Peter H.; Lowe, Peter E.; Bleske, Randy J.; Bhargava, Vikram; Heberling, James R.; and Muntner, Donald A., 4,866,215, Cl. 174-50.000.
- Muntwyler, Peter, to Plasma-Invent AG. Flow regulation valve. 4,809,947, 3-7-89, Cl. 251-11.000.
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  - Swiech, Matthew J.; Munyon, Gary D.; and Dias, Kenneth J., 4,840,120, Cl. 101-228.000.
- Munz, Dieter, to Siemens Aktiengesellschaft. Switched power supply for generating a plurality of isolated power voltage for a pulse converter. 4,805,078, 2-14-89, Cl. 363-17.000.
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  - Dorge, Franz; Erlenmayer, Udo; Faber, Bernd; Herty, Winfried; and Munz, Gunter, 4,880,259, Cl. 285-137.100.
- Munz, Robert P.: *See—*
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- Munz, Rudolf; Kurzmann, Peter; and Faas, Ute, to Daimler-Benz Aktiengesellschaft. Windshield made of glass having an anti-fogging effect with respect to oily organic substances. 4,847,160, 7-11-89, Cl. 428-447.000.
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  - Hoffman, Dieter; Munz, Wolf-Dieter; Siewert, G. A. Hoist; and Dietrich, Horst, 4,808,373, Cl. 420-507.000.
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- Munzer, Manfred: *See—*
  - Hennig, Jurgen; Vetter, Heinz; and Munzer, Manfred, 4,876,311, Cl. 525-229.000.
- Mura, Albert J.; and Merkel, Paul B., to Eastman Kodak Company. Light-stable reducible compounds and analytical compositions, elements and methods utilizing same. 4,797,357, 1-10-89, Cl. 435-34.000.
- Mura, Albert J.; Belly, Robert T.; and Lum, Vanessa R., to Eastman Kodak Company. Water-compatible reducible compounds and their use in analytical compositions and methods. 4,853,186, 8-1-89, Cl. 422-55.000.
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- Mura, Albert J.: *See—*
  - Babb, Bruce E.; Belly, Robert T.; and Mura, Albert J., 4,803,161, Cl. 435-29.000.
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- Murabayashi, Katsuyoshi; and Mitani, Katsuyoshi, to Daicel Chemical Industries, Ltd. Deodorant and antibacterial foamed polymer and sheet. 4,877,816, 10-31-89, Cl. 521-92.000.
- Murabayashi, Katuyoshi, to Daicel Chemical Industries, Ltd. Resin composition of polyphenylene ether and polyamide block copolymer. 4,839,424, 6-13-89, Cl. 525-92.000.

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  Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.

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  Nemoto, Shoji; and Murabayashi, Noboru, 4,814,900, Cl. 360-10.200.

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  Nakashima, Kunihiko; Sugiura, Hiroshi; Murachi, Tatsuya; and Nakane, Masakazu, 4,804,584, Cl. 428-424.200.

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  Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,800,744, Cl. 72-342.000.
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  Takesue, Toshihiro; Murahashi, Takashi; and Nakazawa, Toshihiko, 4,837,787, Cl. 372-29.000.

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  Hirano, Shigeo; Murai, Ashita; and Suzuki, Seiji, 4,828,973, Cl. 430-598.000.
  Kataoka, Hideaki; Murai, Ashita; and Haishi, Akira, 4,823,155, Cl. 354-86.000.

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  Hama, Yasuo; Takaku, Shigetake; and Murai, Hirosi, 4,850,921, Cl. 445-63.000.

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  Sato, Yasuyuki; Sugata, Masaki; and Murai, Hiroyuki, 4,853,582, Cl. 313-141.000.
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  Kamiya, Norikazu; and Murai, Katsumi, 4,888,585, Cl. 340-825.340.
  Usui, Makoto; Murai, Katsumi; and Satoh, Isao, 4,821,253, Cl. 369-54.000.

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  Takada, Shun; Murai, Kazuhiro; and Onodera, Kaoru, 4,820,614, Cl. 430-505.000.

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  Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,299, Cl. 430-65.000.
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  Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,798,776, Cl. 430-39.000.
  Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,808,504, Cl. 430-31.000.
  Honda, Mitsuru; Murai, Keiichi; Ogawa, Kyosuke; and Koike, Atsushi, 4,834,501, Cl. 350-321.000.
  Matsumoto, Yasuyuki; Murai, Keiichi; Fukuda, Tadaji; and Ogawa, Kyosuke, 4,876,185, Cl. 430-580.000.

Murai, Masasumi, to Tsubakimoto Chain Co. Carriage-type conveyor. 4,811,685, 3-14-89, Cl. 118-326.000.

Murai, Masayuki: *See*—
  Ikuta, Kunio; and Murai, Masayuki, 4,825,298, Cl. 358-298.000.

Murai, Nobuaki: *See*—
  Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.

Murai, Ryukichi, to Yoshida Kogyo K. K. Cord lock. 4,839,946, 6-20-89, Cl. 24-115.00G.

Murai, Shunji; Othomo, Fumio; and Otani, Hitoshi, to Tokyo Kogaku Kikai Kabushiki Kaisha. Shape measuring apparatus. 4,834,530, 5-30-89, Cl. 356-2.000.

Murai, Shunji; Ohtomo, Fumio; and Ohtani, Hitoshi, to Tokyo Kogaku Kikai Kabushiki Kaisha. Apparatus and method for determining the coordinates of a three-dimensional object. 4,858,157, 8-15-89, Cl. 364-560.000.

Murai, Shunji: *See*—
  Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,130, Cl. 361-321.000.
  Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,131, Cl. 361-321.000.

Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, to Daicel Chemical Industries, Ltd. Process for producing lactone polymer and an anti-shrinking thermosetting resin composition having formulated therein said lactone polymer as an anti-shrinking agent. 4,835,213, 5-30-89, Cl. 525-36.000.

Murai, Takaaki; and Sakai, Katsuhisa, to Daicel Chemical Industries, Ltd. Polyether compounds, epoxy resins and processes for production thereof. 4,841,017, 6-20-89, Cl. 525-327.300.

Murai, Takafumi: *See*—
  Kegasa, Koyo; Murai, Takafumi; Yamanaka, Osamu; and Fuji, Takeshi, 4,797,637, Cl. 331-4.000.

Murai, Takashi: *See*—
  Yamamoto, Yuuichi; Nakamura, Tadaaki; Murai, Takashi; and Hijikata, Akemi, 4,838,033, Cl. 62-45.100.

Murai, Takayuki: *See*—
  Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, Singi; Miyauchi, Yukio; and Ito, Masayuki, 4,826,991, Cl. 548-341.000.

Murai, Takeshi; and Sagawa, Norifumi, to Mazda Motor Corporation; and Sinto Kogio, Ltd. Method of gravity casting. 4,804,035, 2-14-89, Cl. 164-125.000.

Murai, Tatsuya, to Ricoh Company, Ltd. Copier selectively operable in sheet-through mode and sheet-stationary mode. 4,866,484, 9-12-89, Cl. 355-313.000.

Murai, Teruyuki; Hashimoto, Yoshihiro; and Kawakita, Takao, to Sumitomo Electric Industries, Ltd. Wire incrusted with abrasive grain. 4,866,888, 9-19-89, Cl. 51-401.000.

Murai, Toshiaki: *See*—
  Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Murai, Yasushi: *See*—
  Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.

Murai, Yoshikazu; Yamaguchi, Tatsuo; and Mochizuki, Kanji, to Nippon Petrochemicals Company, Ltd. Method for transmitting power. 4,889,649, 12-26-89, Cl. 252-73.000.

Murai, Yoshio: *See*—
  Isoguchi, Seiichi; Murai, Yoshio; Takayama, Jun; and Nagaishi, Katsuya, 4,881,127, Cl. 358-213.190.

Muraishi, Katsuaki; Yaginuma, Nakatsugu; Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, to Fuji Photo Film Co., Ltd. Chemical analysis apparatus. 4,855,109, 8-8-89, Cl. 422-63.000.

Muraishi, Katsuaki: *See*—
  Ohnishi, Masahiro; Ogura, Nobuhiko; and Muraishi, Katsuaki, 4,886,968, Cl. 250-327.200.

Muraishi, Katsuyoshi: *See*—
  Suzuki, Teruo; Kishi, Matsuo; Muraishi, Katsuyoshi; Ogawa, Keichi; and Takashio, Hiroshi, 4,863,805, Cl. 428-558.000.

Muraishi, Masakazu; Hashimoto, Akihiro; and Otsuka, Kenro, to Nissan Motor Company, Limited. Automotive seat belt device. 4,848,795, 7-18-89, Cl. 280-801.000.

Muraishi, Masakazu: *See*—
  Aihara, Tsutomu; and Muraishi, Masakazu, 4,821,991, Cl. 248-430.000.

Murakado, Toru: *See*—
  Matsuzawa, Toshio; Murakado, Toru; Aimoto, Hiroshi; Kitao, Shigetaka; and Yoshida, Nobuo, 4,844,321, Cl. 228-107.000.

Murakami, Akihiro; Matsunaga, Mitsunobu; and Tanemura, Yasunari, to Toyota Jidosha Kabushiki Kaisha. Controlling method for operation of painting booth. 4,840,116, 6-20-89, Cl. 98-115.200.

Murakami, Akiyoshi: *See*—
  Shimamura, Masayoshi; Furukawa, Tadahiro; Murakami, Akiyoshi; and Haga, Toshio, 4,837,098, Cl. 430-7.000.

Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, to Kabushiki Kaisha WACOM. Position detector. 4,832,144, 5-23-89, Cl. 178-18.000.

Murakami, Azuma; Hagiwara, Teruyoshi; Tuchida, Yoichi; and Johno, Hideki, to Wacom Co., Ltd. Coordinates input apparatus. 4,848,496, 7-18-89, Cl. 178-19.000.

Murakami, Chikara: *See*—
  Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, 4,885,491, Cl. 310-90.500.

Murakami, Eiichi; Kohno, Michio; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Surface examining apparatus for detecting the presence of foreign particles on two or more surfaces. 4,886,975, 12-12-89, Cl. 250-572.000.

Murakami, Eiichi: *See*—
  Kohno, Michio; Murakami, Eiichi; and Suzuki, Akiyoshi, 4,795,911, Cl. 250-572.000.
  Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.

Murakami, Fumiaki: *See*—
  Kuroyanagi, Masatoshi; Matsui, Kazuma; Majima, Youzou; and Murakami, Fumiaki, 4,802,562, Cl. 192-1.230.

Murakami, Hajime; Takenouchi, Tooru; and Ikeura, Hiroo, to Noritsu Koki Co., Ltd.; and Ishihara Sangyo Kaisha, Ltd. Light source assembly for use with an electrophotographic copying apparatus. 4,811,057, 3-7-89, Cl. 355-71.000.

Murakami, Haruhiko; Takeda, Hirofumi; and Sakamoto, Hiroshi, to Dainippon Ink and Chemicals, Inc. Resin composition for use in powder paint. 4,818,791, 4-4-89, Cl. 525-124.000.

Murakami, Harunori: *See*—
  Sakurai, Kaoru; Murakami, Harunori; Mizukami, Hikaru; and Fujita, Kazuhisa, 4,873,532, Cl. 343-713.000.

Murakami, Hideo, to Ryobi, Ltd. Bail for spinning reel. 4,874,144, 10-17-89, Cl. 242-235.000.

Murakami, Hideo: *See*—
  Tsunoda, Kikuo; Yorikane, Toshiaki; and Murakami, Hideo, 4,830,306, Cl. 242-84.20R.

Murakami, Hideto; and Kitamura, Terukiyo, to Nissan Motor Co., Ltd. Disc brake. 4,840,255, 6-20-89, Cl. 188-73.350.

Murakami, Hiroaki: *See*—
  Saito, Tomotaka; Murakami, Hiroaki; Fukushima, Yuhji; and Konishi, Masami, 4,814,639, Cl. 307-303.000.

Murakami, Hirobumi; Suda, Tsutomu; Machida, Mitunobu; and Umemura, Hide, to Showa Denko Kabushiki Kaisha. Propylene polymer composition. 4,863,995, 9-5-89, Cl. 525-74.000.

Murakami, Hirohiko; Ogawa, Toru; and Fukuda, Kousaku, to Japan Atomic Energy Research Institute. Process for preparing a large-grained UO_2 fuel. 4,885,147, 12-5-89, Cl. 423-261.000.

Murakami, Hiroshi: *See*—
  Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.

Murakami, Hirosi: *See*—
  Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.

Murakami, Hiroyasu: *See*—
  Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, 4,821,056, Cl. 354-289.100.

Murakami, Hisakazu: *See*—
  Hayakawa, Shigeru; Shiraishi, Daiichi; and Murakami, Hisakazu, 4,854,617, Cl. 292-216.000.

Murakami, Hisao: *See*—
  Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.

Murakami, Hisatoshi: *See*—
  Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, 4,801,489, Cl. 428-209.000.

Murakami, Hitomi: *See*—
  Matsumoto, Shuichi; and Murakami, Hitomi, 4,802,004, Cl. 358-133.000.
  Matsumoto, Shuichi; and Murakami, Hitomi, 4,875,095, Cl. 358-133.000.

Murakami, Jyoji; Sibazaki, Syogo; and Tempaku, Junya, to Fujitsu Limited; and Fujitsu Microcomputer Systems Limited. Bit pattern conversion system. 4,841,298, 6-20-89, Cl. 341-51.000.

Murakami, Jyoji; Hashimoto, Katsumi; and Tempaku, Junya, to Fujitsu Limited; and Fujitsu Microcomputer Systems Limited. Cathode ray tube controller. 4,868,556, 9-19-89, Cl. 340-799.000.

Murakami Kaimeido Co.: *See*—
  Yamana, Tohru; Nakayama, Kiyoshi; and Sato, Kazuhiko, 4,798,967, Cl. 307-10.00R.

Murakami Kaimeido Co., Ltd.: *See*—
  Kikuchi, Toshiaki; and Mochizuki, Toshihiro, 4,815,837, Cl. 350-637.000.
  Ozaki, Tadahiko, 4,867,408, Cl. 248-483.000.
  Toshiaki, Kikuchi; Mochizuki, Toshihiro; Ito, Yasutoshi; and Yamana, Tohru, 4,877,214, Cl. 248-483.000.

Murakami, Kanji. Atmosphere control apparatus for theaters. 4,838,344, 6-13-89, Cl. 165-48.100.

Murakami, Kanji. Three-dimensional shooting video camera apparatus. 4,881,122, 11-14-89, Cl. 358-88.000.

Murakami, Kanji: *See*—
  Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, 4,865,888, Cl. 427-443.100.
  Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, 4,876,177, Cl. 430-313.000.
  Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mineo; Murakami, Kanji; and Wajima, Motoyo, 4,820,549, Cl. 427-98.000.

Murakami, Kazuaki: *See*—
  Kaneda, Saburo; and Murakami, Kazuaki, 4,860,190, Cl. 364-200.000.

Murakami, Kazumi: *See*—
  Onishi, Masami; Masumoto, Toshikazu; Murakami, Kazumi; and Yoshida, Kiyoshi, 4,814,901, Cl. 360-33.100.

Murakami, Kazunori: *See*—
  Matsumoto, Yasuo; Murakami, Kazunori; Ikumi, Tomonori; and Iwafune, Yasuo, 4,875,748, Cl. 350-6.800.

Murakami, Kazuo; and Matsushima, Yukiyoshi, to Yamaha Corporation. Automatic music player system. 4,843,936, 7-4-89, Cl. 84-107.000.

Murakami, Kazuo; Kaneko, Yasutoshi; and Tamaki, Takasi, to Yamaha Corporation. Automatic player piano. 4,873,905, 10-17-89, Cl. 84-20.000.

Murakami, Kazuo: *See*—
  Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
  Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.

Murakami, Keiichi: *See*—
  Abe, Yoshitaka; and Murakami, Keiichi, 4,882,740, Cl. 377-49.000.
  Shiba, Akira; Yamada, Isamu; and Murakami, Keiichi, 4,836,210, Cl. 128-660.060.

Murakami, Keikichi: *See*—
  Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
  Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, 4,886,246, Cl. 266-157.000.

Murakami, Keinosuke; Enami, Kazumasa; and Yagi, Nobuyuki, to Nippon Hoso Kyokai. Fundamental unit for processing video signals. 4,800,430, 1-24-89, Cl. 358-160.000.

Murakami, Keisuke: *See*—
  Mine, Kazunori; Murakami, Keisuke; Tago, Mamoru; and Urata, Hiromasa, 4,839,514, Cl. 250-237.00R.
  Mine, Kazunori; Murakami, Keisuke; and Urata, Hiromasa, 4,882,631, Cl. 358-471.000.

Murakami, Kenji: *See*—
  Tazawa, Isao; Kiuchi, Norihiro; Segawa, Hideo; Tominaga, Chikara; and Murakami, Kenji, 4,816,748, Cl. 324-65.00R.

Murakami, Kimihiro: *See*—
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,866,055, Cl. 514-206.000.
  Kato, Kazuo; Murakami, Kimihiro; Mochizuki, Hidenori; and Mochida, Ei, 4,880,798, Cl. 514-206.000.

Murakami, Kiyoharu, to Kabushiki Kaisha Daikin Seisakusho. Three-element multi-stage torque converter. 4,819,510, 4-11-89, Cl. 74-688.000.

Murakami, Kiyoharu, to Kabushiki Kaisha Daikin Seisakusho. Air pressure control valve of an air clutch. 4,860,868, 8-29-89, Cl. 192-85.00R.

Murakami, Kiyoharu, to Kabushiki Kaisha Daikin Seisakusho. Sealing device for air rotary joint. 4,865,075, 9-12-89, Cl. 137-580.000.

Murakami, Kiyoharu, to Kabushiki Kaisha Daikin Seisakusho. Structure and method for assembling friction facings. 4,865,177, 9-12-89, Cl. 192-107.00R.

Murakami, Kiyokazu: *See*—
  Matsuishi, Naoto; Takeda, Haruki; Iizumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, 4,808,596, Cl. 514-303.000.

Murakami, Kiyotaka: *See*—
  Kawai, Masanori; Murakami, Kiyotaka; Kurogama, Tatsuji; and Watanabe, Mitsuru, 4,819,083, Cl. 358-294.000.

Murakami, Koichi, to Nissan Motor Co., Ltd. Vertical type MOS transistor and its chip. 4,819,044, 4-4-89, Cl. 357-23.400.

Murakami, Koichi, to Nissan Motor Co. Ltd. MOS transistor for withstanding a high voltage. 4,819,045, 4-4-89, Cl. 357-23.400.

Murakami, Koichi, to Nissan Motor Co., Ltd. Pressure transducer and method for fabricating same. 4,838,088, 6-13-89, Cl. 73-724.000.

Murakami, Koichi, to Nissan Motor Co., Ltd. Acceleration sensor for use in automotive vehicle. 4,869,107, 9-26-89, Cl. 73-517.00R.

Murakami, Koichi: *See*—
  Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.
  Ueda, Minoru; Matsuda, Hideaki; and Murakami, Koichi, 4,832,987, Cl. 427-297.000.

Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, to Chugai Ro Co., Ltd. Continuous furnace for gas carburizing and hardening. 4,807,853, 2-28-89, Cl. 266-81.000.

Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, to Chugai Ro Co., Ltd. Method of gas carburizing and hardening. 4,836,864, 6-6-89, Cl. 148-16.500.

Murakami, Koji; Higeta, Kazuya; and Touchi, Hachiro, to Chugai Ro. Co., Ltd. Method of measuring temperature and apparatus for effecting the method. 4,881,185, 11-14-89, Cl. 364-557.000.

Murakami, Koji; Nakatsubo, Fumiaki; Katsura, Yoshiaki; and Matukura, Motoo, to Jujo Paper Co., Ltd. Production process of phenylglycosides. 4,889,927, 12-26-89, Cl. 536-18.600.

Murakami, Koso: *See*—
  Hajikano, Kazuo; Shimoe, Toshio; Kamoi, Jyoei; Sawaki, Ippei; and Murakami, Koso, 4,837,855, Cl. 455-600.000.

Murakami, Kyoichi: *See*—
  Sonoda, Yutaka; Yuchi, Hirofumi; Murakami, Kyoichi; and Tokuhara, Masaharu, 4,862,269, Cl. 358-160.000.

- Murakami, Makoto: *See—*
  - Yamada, Yuzo; and Murakami, Makoto, 4,833,082, Cl. 435-199.000.
- Murakami, Manabu: *See—*
  - Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.
- Murakami, Masahiko: *See—*
  - Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.
- Murakami, Masahiro: *See—*
  - Yamamoto, Kiyonori; Sota, Osamu; Sakae, Masahiko; Makiura, Yoshinori; Murakami, Masahiro; and Mitsuya, Toshiyuki, 4,861,017, Cl. 271-258.000.
- Murakami, Masaichi: *See—*
  - Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and Suwa, Kyoichi, 4,806,987, Cl. 355-53.000.
  - Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, 4,860,374, Cl. 382-48.000.
- Murakami, Masami: *See—*
  - Itoh, Masayoshi; Miyagawa, Hiroharu; Murakami, Masami; Abe, Tomohiro; Inoue, Kaoru; and Ikeda, Keiichi, 4,808,392, Cl. 423-347.000.
- Murakami, Masanori; and Price, William H., to International Business Machines Corporation. Thermally stable ohmic contact for gallium-arsenide. 4,796,082, 1-3-89, Cl. 357-71.000.
- Murakami, Masanori: *See—*
  - Jackson, Thomas N.; Murakami, Masanori; Price, William H.; Tiwari, Sandip; Woodall, Jerry M.; and Wright, Steven L., 4,849,802, Cl. 357-71.000.
- Murakami, Masatoshi: *See—*
  - Ozawa, Akira; Kousaka, Tomomi; Suzuki, Hideo; and Murakami, Masatoshi, 4,884,332, Cl. 29-568.000.
- Murakami, Michiyuki: *See—*
  - Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
- Murakami, Mitsuhiro; Mikami, Takahiro; Nagamatsu, Hiroyuki; and Tokuno, Mitsuji. Lubricant compositions and methods for preparation of same. 4,855,073, 8-8-89, Cl. 252-39.000.
- Murakami, Mutsuaki, to Research Development Corp. of Japan; and Matsushita Electric Industrial Co., Ltd., a part interest. Process for producing graphite. 4,876,077, 10-24-89, Cl. 423-448.000.
- Murakami, Nobuaki; and Hatsuda, Yasuyuki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Ignition timing controller for engine. 4,823,753, 4-25-89, Cl. 123-417.000.
- Murakami, Nobuaki: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,850,317, Cl. 123-306.000.
- Murakami, Osamu, to Canon Kabushiki Kaisha. Dual-mode recorder system. 4,847,640, 7-11-89, Cl. 346-145.000.
- Murakami, Reiji, to Kabushiki Kaisha Toshiba. Paper stacking apparatus for image forming apparatus. 4,849,786, 7-18-89, Cl. 355-311.000.
- Murakami, Ryohei; and Oka, Jiro, to Matsushita Electric Industrial Co., Ltd. Electric shock insect repeller. 4,869,015, 9-26-89, Cl. 43-98.000.
- Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, to Mitsubishi Denki Kabushiki Kaisha. Platen for use in thermal printer. 4,839,667, 6-13-89, Cl. 346-76.0PH.
- Murakami, Sanpei; Miyaaki, Tohru; Imahori, Tokio; Ogata, Koichi; and Hagita, Hidenari, to Kanebo, Ltd.; and Hiroshio Nishio. Method for manufacture of chewing gums with sectional motif patterns. 4,855,146, 8-8-89, Cl. 426-5.000.
- Murakami, Schuichi: *See—*
  - Inoue, Takao; Saeki, Keiji; Matsuda, Chuichi; and Murakami, Schuichi, 4,824,010, Cl. 228-180.200.
- Murakami Seiki Mfg. Co. Ltd.: *See—*
  - Matsumoto, Eiji, 4,828,078, Cl. 188-196.0BA.
- Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, to Nikon Corporation. Apparatus for detecting position of reference pattern. 4,860,374, 8-22-89, Cl. 382-48.000.
- Murakami, Shigeo, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for correcting a read position error in subscanning direction of a line image sensor. 4,821,110, 4-11-89, Cl. 358-285.000.
- Murakami, Shigeo, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for noise reduction in multi-gradation image signal in halftone image reader. 4,868,671, 9-19-89, Cl. 358-447.000.
- Murakami, Shinjiro, to Kawasaki Steel Corporation. Electrolytic processing cell. 4,806,223, 2-21-89, Cl. 204-206.000.
- Murakami, Shinjiro, to Kawasaki Steel Corp. Apparatus for continuous electrolytic treatment of metal strip and sealing structure for electrolytic cell therefor. 4,885,071, 12-5-89, Cl. 204-206.000.
- Murakami, Shiro: *See—*
  - Endo, Juro; Murakami, Shiro; Takada, Yukiharu; and Koike, Yoshiharu, 4,835,640, Cl. 360-103.000.
- Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hiranuma, Satoshi; and Osada, Toshihiko, to Kabushiki Kaisha Kenwood. Magnetic tape recording signal level adjustment device. 4,831,466, 5-16-89, Cl. 360-67.000.
- Murakami, Shu; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, to Yoshitomi Pharmaceutical Industries, Ltd. Piperidine compounds and pharmaceutical uses thereof. 4,882,326, 11-21-89, Cl. 514-211.000.
- Murakami, Shuichi; and Shimano, Yasunao, to Komatsu Seiren Co. Ltd. Method for treatment of fibrous materials. 4,840,817, 6-20-89, Cl. 427-45.100.
- Murakami, Shuichi: *See—*
  - Itemadani, Eiji; Murakami, Shuichi; and Mori, Kazuhiro, 4,825,536, Cl. 29-620.000.
- Murakami, Shuuji: *See—*
  - Kuriyama, Hirotada; Wada, Tomohisa; and Murakami, Shuuji, 4,811,155, Cl. 361-56.000.
- Murakami, Susumu, to Sharp Kabushiki Kaisha. Copy storing tray assembly. 4,849,796, 7-18-89, Cl. 355-206.000.
- Murakami, Syogo; and Shimmyo, Takashi, to Kabushiki Kaisha Toshiba. Apparatus and method for transporting and cutting a recording medium. 4,839,732, 6-13-89, Cl. 358-304.000.
- Murakami, Tadahiko: *See—*
  - Arai, Hiroshi; Murakami, Tadahiko; Mashimo, Kazuo; and Tanoka, Jyou, 4,846,904, Cl. 148-325.000.
- Murakami, Tadashi; Nakaniwa, Mikio; and Nakayama, Yoshio, to Nippon Kokan Kabushiki Kaisha. Process for the preparation of super needle coke. 4,814,063, 3-21-89, Cl. 208-50.000.
- Murakami, Tadashi; Nakaniwa, Mikio; Nakayama, Yoshio; and Masuo, Mitsuaki, to Nippon Kokan Kabushiki Kaisha. Hydrogenation catalyst for coal tar, a method of hydrogenation of coal tar with use of such catalyst, and a method of producing super needle coke from the hydrogenation product of coal tar. 4,855,037, 8-8-89, Cl. 208-422.000.
- Murakami, Takashi: *See—*
  - Isshiki, Kunihiko; Murakami, Takashi; and Susaki, Wataru, 4,815,082, Cl. 372-45.000.
- Murakami, Takeshi: *See—*
  - Kishita, Takehisa; Nagashima, Toshiharu; and Murakami, Takeshi, 4,847,190, Cl. 430-569.000.
- Murakami, Takuya; and Kamimoto, Toshihiko, to Nissan Motor Co. Ltd. Double link type suspension system. 4,802,688, 2-7-89, Cl. 280-666.000.
- Murakami, Takuya, to Nissan Motor Co., Ltd. Double link type suspension including a stabilizer bar. 4,875,703, 10-24-89, Cl. 280-665.000.
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- Murakami, Takuya: *See—*
  - Kakimoto, Toshihiko; Murakami, Takuya; and Morita, Shinichi, 4,810,002, Cl. 280-666.000.
- Murakami, Tatsuo, to Hario Kabushiki Kaisha. Rice cooker for microwave ranges. 4,853,509, 8-1-89, Cl. 219-10.55E.
- Murakami, Terukiyo: *See—*
  - Tamura, Minoru; Murakami, Terukiyo; Inoue, Hideaki; and Iwata, Toru, 4,866,618, Cl. 364-431.030.
  - Tamura, Minoru; Katayose, Shinji; Murakami, Terukiyo; and Izumi, Hisashi, 4,879,657, Cl. 364-431.070.
- Murakami, Teruo; and Seo, Naobumi, to Kabushiki Kaisha Toshiba. Information recording system and reproducing for recording and reproducing information on a magneto-optical disk. 4,841,502, 6-20-89, Cl. 369-13.000.
- Murakami, Tokumichi; and Kamizawa, Koh, to Mitsubishi Denki Kabushiki Kaisha. Sub-rate multi-media data transmission control system. 4,864,562, 9-5-89, Cl. 370-84.000.
- Murakami, Tokumichi; Nishida, Masami; and Ito, Atsushi, to Mitsubishi Denki Kabushiki Kaisha. Amplitude-adaptive vector quantization system. 4,878,230, 10-31-89, Cl. 375-27.000.
- Murakami, Tokumichi: *See—*
  - Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, 4,811,265, Cl. 364-730.000.
  - Takano, Hiroshi; Murakami, Tokumichi; Kamisawa, Koh; and Aoyagi, Hidenori, 4,860,283, Cl. 370-82.000.
- Murakami, Tomoyoshi: *See—*
  - Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,812,507, Cl. 524-611.000.
  - Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; and Nagatoshi, Kikuo, 4,853,443, Cl. 525-534.000.
- Murakami, Toshiaki; and Moriwaki, Kazuyuki, to Nippon Telegraph and Telephone Corporation. Method of manufacturing thin compound oxide film and apparatus for manufacturing thin oxide film. 4,888,202, 12-19-89, Cl. 427-42.000.
- Murakami, Toshinori: *See—*
  - Katayama, Kiichiro; Meada, Yasuharu; Wakabayashi, Koji; and Murakami, Toshinori, 4,830,877, Cl. 427-127.000.
- Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama, Takesuke; and Todaka, Yoshihiro, to Hitachi, Ltd.; and Hitachi Video Engineering, Inc. Automatic focusing apparatus for use in video camera and the like. 4,842,387, 6-27-89, Cl. 350-429.000.
- Murakami, Toshio: *See—*
  - Azumi, Takashi; and Murakami, Toshio, 4,868,566, Cl. 358-227.000.
  - Takagi, Yasushi; and Murakami, Toshio, 4,797,733, Cl. 358-29.000.
- Murakami, Tsugio: *See—*
  - Saito, Hiroyuki; Sakuma, Masaru; and Murakami, Tsugio, 4,863,709, Cl. 423-474.000.
- Murakami, Tsutomu: *See—*
  - Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.
- Murakami, Yasuo: *See—*
  - Furumura, Kyozaburo; Muraoka, Tomoki; Murakami, Yasuo; and Abe, Tsutomu, 4,871,268, Cl. 384-492.000.
- Murakami, Yoichi; and Okawa, Yoshihisa, to NEC Corporation. Servo protection circuit for disk drive. 4,841,384, 6-20-89, Cl. 360-60.000.

- Murakami, Yoshihiro, to Sony Corp. Apparatus for processing digital data. 4,799,113, 1-17-89, Cl. 360-32.000.
- Murakami, Yoshihiro, to Yazaki Corporation. Interlock device for connector-junction block assembly. 4,887,978, 12-19-89, Cl. 439-553.000.
- Murakami, Yoshikazu; Mizunuma, Yasuyuki; Ohgihara, Takahiro; Nakano, Hiroyuki; Niikura, Kanako; and Okamoto, Tsutomu, to Sony Corporation. Tuned oscillator utilizing thin film ferromagnetic resonator. 4,887,052, 12-12-89, Cl. 331-96.000.
- Murakami, Yoshikazu: *See—*
  - Mizunuma, Yasuyuki; Nakano, Hiroyuki; and Murakami, Yoshikazu, 4,847,579, Cl. 333-219.200.
  - Ohgihara, Takahiro; Murakami, Yoshikazu; Mizunuma, Yasuyuki; and Nakano, Hiroyuki, 4,873,496, Cl. 331-96.000.
- Murakami, Yoshiki; Yamamoto, Etsuji; Yabusaki, Masao; and Kohno, Hideki, to Hitachi, Ltd. High-frequency coil for nuclear magnetic imaging. 4,875,013, 10-17-89, Cl. 324-318.000.
- Murakami, Yoshiki: *See—*
  - Yabusaki, Masao; Yamamoto, Etsuji; Murakami, Yoshiki; and Kohno, Hideki, 4,825,163, Cl. 324-318.000.
- Murakami, Yoshio: *See—*
  - Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.
  - Ueda, Yoshio; Asakura, Sotoo; Murakami, Yoshio; and Nakate, Toshiomi, 4,889,721, Cl. 424-448.000.
- Murakami, Yoshiteru: *See—*
  - Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.
  - Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, 4,858,212, Cl. 369-13.000.
- Murakami, Yuetsu: *See—*
  - Masumoto, Hakaru; and Murakami, Yuetsu, 4,830,685, Cl. 148-312.000.
  - Masumoto, Hakaru; and Murakami, Yuetsu, 4,834,813, Cl. 148-120.000.
- Murakami, Yuichi; and Ieda, Kiyokazu, to Aisin Seiki Kabushiki Kaisha. Microstrip antenna with stripline and amplifier. 4,853,703, 8-1-89, Cl. 343-700.0MS.
- Murakami, Yukiyasu: *See—*
  - Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.
- Murakami, Yuuichi: *See—*
  - Imaizumi, Tomoaki; Kawai, Taneichi; Nishida, Kouji; and Murakami, Yuuichi, 4,860,002, Cl. 340-825.310.
- Murakami, Zensaku, to Toyota Jidosha Kabushiki Kaisha. Vehicle braking system capable of preventing rock-back motion of driver/-passenger upon vehicle stopping. 4,852,950, 8-1-89, Cl. 303-100.000.
- Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, to Kyowa Hakko Kogyo Co., Ltd. K-252 compounds. 4,877,776, 10-31-89, Cl. 514-43.000.
- Murakata, Masami, to Kabushiki Kaisha Toshiba. Automatic cell-layout arranging method and apparatus for polycell logic LSI. 4,839,821, 6-13-89, Cl. 364-491.000.
- Murakawa, Katuhiko: *See—*
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.
- Murakawa, Yoshitaka: *See—*
  - Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.
  - Okawa, Kazuyoshi; Moriya, Kazumasa; Kashiwazaki, Tomoyuki; Kawashima, Hiroshi; and Murakawa, Yoshitaka, 4,876,966, Cl. 104-290.000.
- Muraki, Hideaki: *See—*
  - Fujitani, Yoshiyasu; Muraki, Hideaki; and Kondoh, Shiroh, 4,801,620, Cl. 518-715.000.
  - Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
- Muraki, Takao: *See—*
  - Kawakami, Kinya; and Muraki, Takao, 4,822,844, Cl. 524-496.000.
- Muraki, Yoshiya; and Takahashi, Akinori, to Fukuda Denshi Co., Ltd. Device for detecting breathing. 4,813,428, 3-21-89, Cl. 128-721.000.
- Murakoshi, Takeo; Yoshii, Masaki; Tohyama, Shigeo; Minakawa, Sadao; and Kaneda, Aizo, to Hitachi, Ltd. Photoelastic effect measuring device. 4,810,089, 3-7-89, Cl. 356-35.000.
- Murakoshi, Takeo; and Minakawa, Sadao, to Hitachi, Ltd. Optical property measuring device. 4,810,872, 3-7-89, Cl. 250-225.000.
- Murakosi, Masanobu: *See—*
  - Masuda, Yoshihiko; and Murakosi, Masanobu, 4,874,437, Cl. 148-150.000.
- Murakoso, Toshiyuki; Sato, Shoichi; and Yagi, Motoi, to Tokyo Electric, Co., Ltd. Electronic weighing instrument of the electrostatic capacity type. 4,856,603, 8-15-89, Cl. 177-210.00C.
- Muralidhara, Harapanahalli S.; and Criner, Cecil L., to Battelle Memorial Institute. Liquid separation process for suspensions by a pulsating electrical current. 4,802,964, 2-7-89, Cl. 204-180.100.
- Muralt, Paul R.: *See—*
  - Pohl, Wolfgang D.; Gimzewski, James K.; and Muralt, Paul R., 4,853,810, Cl. 360-103.000.
- Muramatsu, Akira, to Fuji Photo Film Co., Ltd. Color video signal generating device using monochrome and color image sensors having different resolutions to form a luminance signal. 4,823,186, 4-18-89, Cl. 358-43.000.
- Muramatsu, Akira, to Fuji Photo Film Co., Ltd. Color video signal generating device using monochrome and color image sensors having different resolutions to form a luminance signal. 4,876,591, 10-24-89, Cl. 358-43.000.
- Muramatsu, Akira: *See—*
  - Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.
- Muramatsu, Gouichi: *See—*
  - Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.
- Muramatsu, Hajime: *See—*
  - Kushida, Takeo; Taira, Susumu; Nagasaki, Wataru; Muramatsu, Hajime; and Sakakibara, Toshikazu, 4,843,877, Cl. 73-517.00R.
- Muramatsu, Hidenori; Yamada, Kimichika; Nozawa, Katsuya; and Goto, Yoshihiko, to Clarion Co., Ltd. Tape loading apparatus having an arrangement for controlling movement of a guide roller holder arm. 4,841,392, 6-20-89, Cl. 360-85.000.
- Muramatsu, Hideo, to Minolta Camera Kabushiki Kaisha. Copying machine having a sheet container. 4,864,368, 9-5-89, Cl. 355-309.000.
- Muramatsu, Keiji: *See—*
  - Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, 4,838,581, Cl. 285-47.000.
  - Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, 4,875,712, Cl. 285-47.000.
- Muramatsu, Kenzo: *See—*
  - Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.
- Muramatsu, Kikuo, to Mitsubishi Denki Kabushiki Kaisha. Pulse generating circuit. 4,805,199, 2-14-89, Cl. 377-39.000.
- Muramatsu, Kimio: *See—*
  - Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.
- Muramatsu, Kiyoyuki: *See—*
  - Matsumoto, Koichi; Suenaga, Yutaka; Uehara, Makoto; and Muramatsu, Kiyoyuki, 4,798,962, Cl. 250-548.000.
  - Uehara, Makoto; Matsumoto, Koichi; Suenaga, Yutaka; and Muramatsu, Kiyoyuki, 4,795,244, Cl. 356-401.000.
- Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, to Fuji Photo Film Co., Ltd. Electrically conducting device for an electrode roller. 4,864,460, 9-5-89, Cl. 361-220.000.
- Muramatsu, Masahiro, to Yazaki Corporation. Automotive instrument. 4,878,387, 11-7-89, Cl. 73-866.300.
- Muramatsu, Masanori: *See—*
  - Arimoto, Shinobu; and Muramatsu, Masanori, 4,814,898, Cl. 358-260.000.
  - Arimoto, Shinobu; and Muramatsu, Masanori, 4,884,147, Cl. 358-443.000.
- Muramatsu, Masayauki; and Morozumi, Toshiki, to Delphi Company Ltd. Delay line and its manufacturing method. 4,800,346, 1-24-89, Cl. 333-140.000.
- Muramatsu, Mitsuru; and Tominaga, Ryuichiro, to Jujo Paper Co., Ltd. Device for laterally cutting carton case in carton automatic feeding device for a liquid filling machine. 4,840,011, 6-20-89, Cl. 53-381.00R.
- Muramatsu, Mitsuru; and Tominaga, Ryuichiro, to Jujo Paper Co., Ltd. Automatic carton feeding device for a liquid filling machine. 4,867,342, 9-19-89, Cl. 221-11.000.
- Muramatsu, Shigeru: *See—*
  - Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hiroshi; Yamamura, Michio; and Muramatsu, Shigeru, 4,886,435, Cl. 418-55.000.
- Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, to Toyota Jidosha Kabushiki Kaisha; and Chuo Hatsujo Kabushiki Kaisha. Control cable connecting device. 4,884,468, 12-5-89, Cl. 74-502.400.
- Muramatsu, Tadao: *See—*
  - Inoue, Hiroshi; Hirano, Tetsuji; Muramatsu, Tadao; and Narahara, Yasuji, 4,869,861, Cl. 264-204.000.
  - Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
  - Tabata, Kanzo; Inoue, Hiroshi; Muramatsu, Tadao; and Narahara, Yasuji, 4,839,217, Cl. 428-156.000.
- Muramatsu, Tateo; Saito, Hideaki; Takasaki, Mamoru; and Enami, Yasushi, to Bridgestone Corporation. Flexible sheet dams. 4,836,713, 6-6-89, Cl. 405-115.000.
- Muramatsu, Toshihiro; Iijima, Kenzaburou; and Hayashi, Yoshinori, to Yamaha Corporation. Keyboard. 4,855,740, 8-8-89, Cl. 341-23.000.
- Muramatsu, Toshiki: *See—*
  - Komatsubara, Toshio; Muramatsu, Toshiki; and Matsuo, Mamoru, 4,838,958, Cl. 148-11.50A.
- Muramatsu, Toyojiro: *See—*
  - Komori, Seiichi; and Muramatsu, Toyojiro, 4,844,898, Cl. 424-150.000.

- Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, to Yokogawa Electric Corporation. Direct drive motor. 4,853,567, 8-1-89, Cl. 310-67.00R.
- Muramatsu, Yasuhiko: *See—*
  - Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
- Muramatsu, Yukio, to Yazaki Corporation. Bus bar circuit board structure. 4,866,217, 9-12-89, Cl. 174-72.00B.
- Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, to Nippon Paint Co., Ltd. Resinous composition comprising an acrylic resin having end carboxyl bearing long pendant groups and preparation thereof. 4,812,549, 3-14-89, Cl. 526-318.000.
- Muramoto, Hisaichi; Ishii, Keizou; and Ishikura, Shinichi, to Nippon Paint Co., Ltd. Composite resin particles, its preparation and resinous composition for coating use containing the same. 4,829,127, 5-9-89, Cl. 525-309.000.
- Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, to Nippon Paint Co., Ltd. End carboxyl bearing reactive vinyl monomers and preparation thereof. 4,883,899, 11-28-89, Cl. 560-14.000.
- Muramoto, Hisaichi: *See—*
  - Kanda, Kazunori; Urano, Satoshi; Aoki, Kei; and Muramoto, Hisaichi, 4,820,777, Cl. 525-291.000.
  - Kanda, Kazunori; Muramoto, Hisaichi; Saito, Koichi; and Ishikura, Shinichi, 4,869,796, Cl. 204-181.600.
- Muramoto, Hisao, to Mazda Motor Corporation. Automotive seat belt system and retractor device for seat belt system. 4,817,754, 4-4-89, Cl. 180-268.000.
- Muramoto, Ken'ichi, to Kabushiki Kaisha Toshiba. Double-diffused, insulated-gate, field effect transistor. 4,884,113, 11-28-89, Cl. 357-23.400.
- Muramoto, Shiyouichi: *See—*
  - Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, 4,804,574, Cl. 428-209.000.
- Muramoto, Yutaka, to Terumo Kabushiki Kaisha. Electronic clinical thermometer. 4,843,577, 6-27-89, Cl. 364-557.000.
- Muranaga, Tetsuro, to Kabushiki Kaisha Toshiba. Inference system. 4,803,642, 2-7-89, Cl. 364-513.000.
- Muranaga, Yoshinobu; and Sato, Takashi, to Casio Computer Co., Ltd. Manual sweeping apparatus. 4,851,896, 7-25-89, Cl. 358-443.000.
- Muranaka, Akinori, to Star Seimitsu Kabushiki Kaisha. Driving method of a stepping motor. 4,888,542, 12-19-89, Cl. 318-696.000.
- Muranaka, Masaya; Matsuura, Hiromi; Kenmizaki, Kanehide; and Okayama, Osamu, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corp. Semiconductor memorizing device. 4,849,939, 7-18-89, Cl. 365-200.000.
- Muranaka, Masaya: *See—*
  - Ishii, Kyoko; Yanagisawa, Kazumasa; and Muranaka, Masaya, 4,807,190, Cl. 365-189.000.
- Muranaka, Shigeo; Kamegaya, Shigeru; Yoshimura, Tooru; and Matayoshi, Yutaka, to Nissan Motor Co., Ltd. Rocker arm arrangement for multi-valve internal combustion engine. 4,825,822, 5-2-89, Cl. 123-90.440.
- Muranaka, Shigeo; Ohkawa, Kouzaburou; Yokoyama, Junichi; Matayoshi, Yutaka; and Kamegaya, Shigeru, to Nissan Motor Co., Ltd. Induction port arrangement for internal combustion engine having multiple inlet valves per combustion chamber. 4,873,953, 10-17-89, Cl. 123-308.000.
- Muranaka, Takeshi: *See—*
  - Kohyama, Masaki; Muranaka, Takeshi; Fukui, Kunisuke; and Kashiwa, Norio, 4,801,672, Cl. 526-348.200.
  - Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.
- Muranaka, Yoshiyuki: *See—*.
  - Fujii, Setsuro; Ogawa, Kazuo; Hamakawa, Toshihiro; and Muranaka, Yoshiyuki, 4,797,502, Cl. 558-52.000.
- Murano, Kanji: *See—*
  - Tatsuki, Kouichi; Murano, Kanji; and Nishigaki, Susumu, 4,849,384, Cl. 501-134.000.
- Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, to Suzuki Jidosha Kogyo Kabushiki Kaisha; and Mitsubishi Denki Kabushiki Kaisha. Method of controlling clutch pressure of continuously variable transmission system. 4,856,380, 8-15-89, Cl. 74-866.000.
- Murano, Kazuo: *See—*
  - Iquchi, Kazuo; Soejima, Tetsuo; and Murano, Kazuo, 4,829,518, Cl. 370-100.000.
- Murano, Mitsuo, to Kabushiki Kaisha Toshiba. Method and apparatus of injection molding front grill panels of room air conditioner units and the like. 4,818,462, 4-4-89, Cl. 264-328.800.
- Murano, Mitsuru, to Nippon Steiner Co., Ltd. Roll towel cabinet. 4,828,343, 5-9-89, Cl. 312-38.000.
- Murano, Tadao; Hirata, Hisao; Hayakawa, Toshimitsu; and Saito, Takeshi, to Topy Kogyo Kabushiki Kaisha. Apparatus for interference-fitting an inner member with an annular outer member. 4,841,622, 6-27-89, Cl. 29-525.000.
- Murano, Tadao: *See—*
  - Hirata, Hisao; Yokomizo, Shojiro; Mitsuhori, Hirokazu; and Murano, Tadao, 4,821,865, Cl. 198-368.000.
- Murao, Atsuhiko: *See—*
  - Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.
- Murao Boki Kabushiki Kaisha: *See—*
  - Tadashima, Fumio, 4,840,124, Cl. 104-163.000.
  - Yamashita, Osamu, 4,827,582, Cl. 28-293.000.
- Murao, Eiji, to Honda Giken Kogyo Kabushiki Kaisha. Device for detecting voltage fluctuation. 4,795,971, 1-3-89, Cl. 324-102.000.
- Murao, Kazuhiko: *See—*
  - Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.
  - Murao, Masatsugu; Murao, Kazuhiko; and Mochizuki, Tsuyoshi, 4,811,748, Cl. 134-122.00R.
- Murao, Kazuhiro; and Maruta, Akira, to Nippon Carbide Kogyo Kabushiki Kaisha. Acrylic or methacrylic resin emulsion coating composition, and its use. 4,826,907, 5-2-89, Cl. 524-394.000.
- Murao, Masatsugu; Murao, Kazuhiko; and Mochizuki, Tsuyoshi, to Naniwa Seitei Kabushiki Kaisha. Method and apparatus for continuously applying surface treatment onto an article being fed along a pass line. 4,811,748, 3-14-89, Cl. 134-122.00R.
- Murao, Masatsugu: *See—*
  - Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.
- Murao, Mitsuaki: *See—*
  - Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.
- Murao, Sawao: *See—*
  - Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, 4,839,279, Cl. 435-25.000.
- Murao, Tsugio; Yamamoto, Yoshiharu; Ikeda, Kenichi; Nagaoka, Yoshitomi; and Nakajima, Yasuo, to Matsushita Electric Industrial Co. Ltd. Selective shading device and an optical device using the same. 4,810,076, 3-7-89, Cl. 350-448.000.
- Murao, Yoshikazu; Sawayama, Shigeru; and Satoh, Kohichi, to Mitsubishi Chemical Industries Limited. Process for preparing water-soluble polymer. 4,824,913, 4-25-89, Cl. 525-344.000.
- Murao, Yoshikazu; and Miyake, Masao, to Mitsubishi Chemical Industries Limited. Process for producing pyrrolidone derivative. 4,837,337, 6-6-89, Cl. 548-551.000.
- Murao, Yoshinori: *See—*
  - Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.
- Muraoka, Masami: *See—*
  - Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
- Muraoka, Shigemitsu: *See—*
  - Imanishi, Taichi; and Muraoka, Shigemitsu, 4,857,255, Cl. 264-216.000.
- Muraoka, Shyouzo: *See—*
  - Abe, Takao; and Muraoka, Shyouzo, 4,833,287, Cl. 219-10.790.
- Muraoka, Tomoki: *See—*
  - Furumura, Kyozaburo; Muraoka, Tomoki; Murakami, Yasuo; and Abe, Tsutomu, 4,871,268, Cl. 384-492.000.
- Muraoka, Toshinori: *See—*
  - Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.
- Muraoka, Yasuhiko: *See—*
  - Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; and Takahashi, Katsutoshi, 4,808,703, Cl. 530-322.000.
- Muraoka, Yasuo: *See—*
  - Misono, Yoshimasa; Ito, Takanobu; Muraoka, Yasuo; and Mizuochi, Atsuyuki, 4,826,238, Cl. 296-209.000.
- Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, to Dainippon Screen Mfg. Co., Ltd. Apparatus for heat-treating wafers. 4,849,608, 7-18-89, Cl. 219-390.000.
- Muraoka, Yusuke: *See—*
  - Nakagawa, Keiji; Nakatani, Ikuyoshi; Sakai, Takamasa; and Muraoka, Yusuke, 4,803,948, Cl. 118-725.000.
- Muraoka, Yutaka: *See—*
  - Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,811,098, Cl. 358-160.000.
  - Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,890,100, Cl. 340-799.000.
- Muraoka, Yuusuke: *See—*
  - Sakai, Takamasa; and Muraoka, Yuusuke, 4,883,424, Cl. 432-77.000.
- Muraour, Renaud. Tip for tennis racket handle and the like, and racket equipped with this tip. 4,796,889, 1-10-89, Cl. 273-73.00J.
- Murari, Bruno; and Morelli, Marco, to SGS-Thomson Microelectronics S.p.A. Voltage stabilizer with a minimal voltage drop designed to withstand high voltage transients. 4,801,860, 1-31-89, Cl. 323-274.000.
- Murari, Bruno; Menniti, Pietro; and Marchio, Fabio, to SGS Microelecttronica S.p.A. Phase signal detecting device. 4,803,472, 2-7-89, Cl. 340-658.000.
- Murari, Bruno; and Villa, Flavio, to SGS Microelecttronica S.p.A. Power transistor with self-protection against direct secondary breakdown. 4,821,136, 4-11-89, Cl. 361-58.000.
- Murarka, Narayan P.; Kogler, Kent J.; Bartholomew, Craig S.; Betz, Howard T.; and Harris, Richard J., to ITT Research Institute. Rugate optical filter systems. 4,837,044, 6-6-89, Cl. 427-10.000.
- Muraro, Pierre; and Pernot, Daniel, to Garnier Ponsonnet - Vuillard S.A. Linking process and linking device between a fabrication machine for envelopes and a conditioning machine. 4,884,675, 12-5-89, Cl. 198-358.000.
- Murasa International: *See—*
  - Simms, Robert A., 4,866,285, Cl. 250-495.100.
  - Simms, Robert A., 4,884,275, Cl. 372-9.000.
- Murasaki, Hiroaki: *See—*
  - Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.
- Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, to Minolta Camera Kabushiki Kaisha. Developing device. 4,809,034, 2-28-89, Cl. 355-3.0DD.
- Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, to Minolta Camera Kabushiki Kaisha. Developing apparatus. 4,819,027, 4-4-89, Cl. 355-3.0DD.
- Murasaki, Hiroshi; Mizuno, Hiroshi; Ikegawa, Akihito; and Etou, Kouichi, to Minolta Camera Kabushiki Kaisha. Developing device with developer sleeve facilitating developer supply adjustment by bristle height regulating member. 4,851,872, 7-25-89, Cl. 355-253.000.
- Murasaki, Masayuki: *See—*
  - Yamaguchi, Shogo; Araki, Kazunori; Tazuke, Hisashi; Murasaki, Masayuki; and Ito, Hirofumi, 4,856,563, Cl. 141-1.000.
- Murasaki, Motoshi: *See—*
  - Kumano, Shinji; and Murasaki, Motoshi, 4,846,041, Cl. 84-435.000.
- Murasaki, Ryuichi, to Yoshida Kogyo K. K. Apparatus for starting rotation of tape-supply spool. 4,838,495 6-13-89, Cl. 242-55.000.
- Murasaki, Ryuichi, to Yoshida Kogyo K. K Apparatus for producing hooks on hook-and-loop fasteners. 4,850,085, 7-25-89, Cl. 26-9.000.
- Murasaki, Sadanobu; and Makiyama, Hiroyuki, to Minolta Camera Kabushiki Kaisha. Sheet transporting apparatus. 4,874,161, 10-17-89, Cl. 271-265.000.
- Murasawa, Yasuhiro: *See—*
  - Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,868,713, Cl. 361-392.000.
  - Banjo, Toshinobu; Murasawa, Yasuhiro; Onoda, Shigeo; and Kasatani, Yasushi, 4,868,714, Cl. 361-395.000.
  - Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,890,197, Cl. 361-392.000.
- Murasawa, Yoshihiro: *See—*
  - Itoh, Masahiro; Murasawa, Yoshihiro; Takeda, Atsushi; Tsuchiya, Hiroaki; and Nakahata, Kimio, 4,860,048, Cl. 355-208.000.
  - Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
- Murase, Akira, to Suhama Chemical Co., Ltd. Nail lacquer remover composition. 4,801,331, 1-31-89, Cl. 106-5.000.
- Murase, Akira: *See—*
  - Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, Cl. 423-412.000.
- Murase, Hirofumi, to Sony Corp. Tape dubbing apparatus in which each of a plurality of slave recorders is operated in synchronism with a master player. 4,864,431, 9-5-89, Cl. 360-15.000.
- Murase, Ichiki; Ohnishi, Toshihiro; and Noguchi, Takanobu, to Director General, Agency of Industrial Science and Technology. Process for producing stretched molded articles of conjugated polymers and highly conductive compositions of said polymers. 4,868,284, 9-19-89, Cl. 528-481.000.
- Murase, Kenaki; and Morishige, Toshinori, to Starting Industry Co., Ltd. Starting apparatus. 4,848,288, 7-18-89, Cl. 123-179.00P.
- Murase, Kiyoshi; Mase, Toshiyasu; Hara, Hiromu; and Tomioka, Kenichi, to Yamanouchi Pharmaceutical Co., Ltd. Thiadiazole compounds as antagonists of SRS-A. 4,855,310, 8-8-89, Cl. 514-361.000.
- Murase, Kiyoshi: *See—*
  - Mase, Toshiyasu; Tsuzuki, Ryuji; Hara, Hiromu; Murase, Kiyoshi; and Tomioka, Kenichi, 4,803,211, Cl. 514-361.000.
- Murase, Masakazu; and Ishizaka, Hideo, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus employing beam modulation in accordance with the start of scan and end of scan signals. 4,803,367, 2-7-89, Cl. 250-236.000.
- Murase, Masanori; Tomita, Naotaka; and Iida, Kazuyoshi, to Bridgestone Corporation. Noise reducing apparatus. 4,840,251, 6-20-89, Cl. 181-206.000.
- Murase, Masanori; Tomita, Naotaka; Mizuno, Keiichiro; and Iida, Kazuyoshi, to Bridgestone Corporation. Noise reducing apparatus. 4,858,720, 8-22-89, Cl. 181-176.000.
- Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naioh, Masanori; and Sugisaki, Toshihiko, to Hitachi, Ltd. Nuclear reactor. 4,859,401, 8-22-89, Cl. 376-282.000.
- Murase, Michio: *See—*
  - Suzuki, Hiroaki; Murase, Michio; Hatamiya, Shigeo; Naitoh, Masanori; and Tominaga, Kenji, 4,822,557, Cl. 376-282.000.
  - Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.
- Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, to Unitika Ltd. Polyester fiber and process for producing the same. 4,869,958, 9-26-89, Cl. 428-364.000.
- Murase, Shigenobu: *See—*
  - Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, Cl. 123-617.000.
- Murase, Takao; and Yoshimura, Tsunenori, to NGK Insulators, Ltd. Resistance ceramic heater with mutually connected heat-generating conductors, and electrochemical element or oxygen analyzer using such ceramic heater. 4,883,947, 11-28-89, Cl. 219-553.000.
- Murase, Teruo: *See—*
  - Kawano, Kyoichiro; Tsuji, Hiroki; and Murase, Teruo, 4,815,987, Cl. 439-263.000.
- Murase, Tetsuro: *See—*
  - Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.
- Murase, Zenzaburo: *See—*
  - Hiramitsu, Tetsushi; Ono, Satoshi; Hirano, Atsuo; and Murase, Zenzaburo, 4,796,482, Cl. 74-492.000.
- Murashige, Shinichi: *See—*
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,875,016, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,881,039, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,882,584, Cl. 341-139.000.
- Murashima, Hirotsugu; Maeda, Satoru; and Hirano, Shunji, to Sanyo Electric Co., Ltd. Automatic focusing circuit for automatically matching focus in response to video signal. 4,841,370, 6-20-89, Cl. 358-227.000.
- Murashima, Hirotsugu; and Maeda, Satoru, to Sanyo Electric Co., Ltd. Automatic focusing circuit selectively using multiple focus evaluating curves having differing characteristics. 4,853,788. 8-1-89, Cl. 358-227.000.
- Murashima, Hirotsugu; and Maeda, Satoru, to Sanyo Electric Co., Ltd. Automatic focusing circuit using a two period detection interval to compensate for motion occurring within a field of view. 4,853,789, 8-1-89, Cl. 358-227.000.
- Murashita, Toru: *See—*
  - Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
- Murat, Jean: *See—*
  - Martin, Andre; Martin, Andre ; Murat, Jean; and Prulhiere, Jean-Pierre, 4,823,804, Cl. 128-733.000.
- Murata, Akio: *See—*
  - Wada, Toshiaki; and Murata, Akio, 4,855,854, Cl. 360-126.000.
- Murata, Akira: *See—*
  - Masuda, Yoshihiro; Yagi, Takashi; and Murata, Akira, 4,857,949, Cl. 354-322.000.
- Murata, Atsuko: *See—*
  - Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.
- Murata, Atsushi: *See—*
  - Aoki, Satoshi; and Murata, Atsushi, 4,834,491, Cl. 350-96.200.
- Murata Erie North America, Inc.: *See—*
  - Blickstein, Martin J., 4,845,586, Cl. 361-292.000.
- Murata, Fumio: *See—*
  - Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187.000.
- Murata, Fumiya: *See—*
  - Iwami, Hidefumi; Tabata, Kuniaki; Machida, Tetsuo; Miyake, Tuguo; and Murata, Fumiya, 4,829,294, Cl. 340-723.000.
- Murata, Hiroshi: *See—*
  - Kiyomiya, Yutaka; Yamaguchi, Yasumasa; Ushigome, Masahiro; and Murata, Hiroshi, 4,883,897, Cl. 558-327.000.
- Murata, Hiroyuki, to Namco Ltd. Image synthesizer. 4,829,295, 5-9-89, Cl. 340-728.000.
- Murata, Hiroyuki, to Namco Ltd. Image composing apparatus. 4,831,557, 5-16-89, Cl. 364-521.000.
- Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, to Kabushiki Kaisha Kobe Seiko Sho. Crushing method and apparatus. 4,834,298, 5-30-89, Cl. 241-5.000.
- Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, to Kabushiki Kaisha Kobe Seiko Sho. Impact crushing machine. 4,871,119, 10-3-89, Cl. 241-189.00R.
- Murata, Hiroyuki: *See—*
  - Wakabayashi, Minoru; Murata, Hiroyuki; Sugino, Yasuo; Yamao, Masanobu; and Nishikawa, Takao, 4,872,972, Cl. 209-143.000.
- Murata, Katsumi: *See—*
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,806,367, Cl. 426-46.000.
  - Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao; and Kobayashi, Hideyuki, 4,877,622, Cl. 426-46.000.
- Murata, Katsuyoshi; Nakazora, Toru; and Isago, Takashi, to Central Glass Company, Limited. Preparation of polyfluoroaldehydes and polyfluoroacetals. 4,837,366, 6-6-89, Cl. 568-490.000.
- Murata, Kazuhisa, to Sharp Kabushiki Kaisha. Light emitting diode display panel. 4,851,824, 7-25-89, Cl. 340-701.000.
- Murata, Kazuhito: *See—*
  - Okushi, Akira; Myogatani, Shigeharu; Murata, Kazuhito; Hamaguchi, Yoshitsugu; and Tanaka, Koichi, 4,835,547, Cl. 346-76.0PH.
- Murata, Kazuo; Togo, Shigeru; and Furuta, Masamichi, to Nissan Motor Co., Ltd. Industrial vehicle equipped with electrically powered power steering system. 4,817,748, 4-4-89, Cl. 180-79.100.
- Murata, Kazushige, to INAX Corporation. Method for obtaining drain-cast hollow articles. 4,882,111, 11-21-89, Cl. 264-87.000.
- Murata, Kazushige: *See—*
  - Shimahara, Hironobu; Murata, Kazushige; and Takahashi, Hiroaki, 4,867,662, Cl. 425-85.000.

Murata, Kazuyuki, to Matsushita Electric Industrial Co., Ltd. Copier with accurately position-controllable sub-scanning unit. 4,862,284, 8-29-89, Cl. 358-451.000.

Murata, Kenji; and Kishi, Yasuo, to Sanyo Electric Co., Ltd. Photovoltaic device and a method of manufacturing thereof. 4,808,242, 2-28-89, Cl. 136-244.000.

Murata, Kenji; and Kishi, Yasuo, to Sanyo Electric Co., Ltd. Color sensor having improved uniformity of sensitivity. 4,851,658, 7-25-89, Cl. 250-211.00R.

Murata Kikai Kabushiki Kaisha: *See—*
- Azuma, Ichiro; Tokura, Seiichi; Nishimura, Shinichiro; and Seo, Hiroshi, 4,873,092, Cl. 424-499.000.
- Katayama, Isao, 4,833,292, Cl. 219-121.600.
- Katayama, Isao, 4,873,418, Cl. 219-121.600.
- Kato, Hisaaki; and Mori, Hideshi, 4,852,341, Cl. 57-328.000.
- Kawamura, Shuzo; and Inada, Kenichi, 4,866,289, Cl. 250-572.000.
- Kawamura, Shuzo, 4,877,967, Cl. 250-461.100.
- Kawamura, Shuzo; and Hirai, Yukio, 4,880,174, Cl. 242-18.0DD.
- Kawarabashi, Tsukasa; Tone, Shoichi; and Otoshima, Hiroo, 4,848,077, Cl. 57-281.000.
- Kawarabashi, Tsukasa, 4,878,342, Cl. 57-58.490.
- Kawasaki, Yosio; and Horibe, Tatutake, 4,842,206, Cl. 242-18.00R.
- Kiriake, Masaharu, 4,844,357, Cl. 242-18.00R.
- Kiriake, Masaharu; and Tone, Shoichi, 4,845,937, Cl. 57-281.000.
- Kiriake, Masaharu, 4,875,572, Cl. 198-744.000.
- Kubota, Norio, 4,848,688, Cl. 242-18.00R.
- Maeda, Yoshiyasu; Inoue, Yasuhiro; Uno, Toshiyuki; and Suzuki, Kazuyoshi, 4,888,945, Cl. 57-264.000.
- Maekawa, Hiroshi, 4,850,783, Cl. 414-792.900.
- Matsui, Isamu; and Sekitani, Noboru, 4,798,348, Cl. 242-35.60E.
- Matsui, Isamu, 4,846,618, Cl. 414-222.000.
- Matsui, Isamu; Ohashi, Kenji; and Deno, Koji, 4,877,194, Cl. 242-35.60R.
- Matsui, Isamu; Uchida, Hiroshi; Otojima, Hirao; and Kino, Yoshihiro, 4,880,176, Cl. 242-35.60E.
- Miyaoka, Mitsuhiko, 4,805,394, Cl. 57-280.000.
- Nishimura, Shinichi, 4,827,710, Cl. 57-328.000.
- Saitoh, Yoshihiro; Kondoh, Minoru; and Komatsu, Yukio, 4,855,656, Cl. 318-587.000.
- Sakai, Shoji; and Nishimura, Shinichi, 4,845,932, Cl. 57-5.000.
- Sakai, Shoji; and Matsushima, Akio, 4,848,072, Cl. 57-261.000.
- Tanaka, Tadashi, 4,827,906, Cl. 139-337.000.
- Tone, Shoichi, 4,854,515, Cl. 242-36.000.
- Tone, Shoichi, 4,856,723, Cl. 242-35.50R.
- Tone, Shoichi; and Kubota, Norio, 4,858,836, Cl. 242-18.00R.
- Uchida, Hiroshi, 4,834,304, Cl. 242-35.60E.
- Uchihara, Kiyoyuki, 4,803,833, Cl. 57-22.000.
- Ueda, Yutaka; and Kawamura, Shuzo, 4,805,846, Cl. 242-36.000.
- Ueda, Yutaka; Ikeda, Isamu; Kiriake, Masaharu; and Nakada, Kazuhiko, 4,809,919, Cl. 242-35.50R.
- Ueda, Yutaka; and Yamauchi, Toshio, 4,817,425, Cl. 73-160.000.
- Ueda, Yutaka; Kawamura, Shuzo; Yamauchi, Toshio; and Ichiba, Yoshiyuki, 4,830,296, Cl. 242-18.00R.
- Ueda, Yutaka, 4,838,019, Cl. 57-264.000.
- Ueda, Yutaka; Tone, Shoichi; and Kawarabashi, Tsukasa, 4,848,076, Cl. 57-281.000.
- Ueda, Yutaka, 4,854,439, Cl. 198-350.000.
- Ueda, Yutaka; and Kiriake, Masaharu, 4,854,453, Cl. 209-583.000.
- Yamada, Shoji, 4,854,516, Cl. 242-43.200.
- Yamamoto, Yoshio; Kikuchi, Syuichi; Nakanishi, Kazuo; and Kawasaki, Yoshihiko, 4,843,811, Cl. 57-281.000.
- Yamauchi, Tosio; Tone, Shoichi; and Ueda, Yutaka, 4,880,175, Cl. 242-35.50R.

Murata, Kiyohito; and Ushijima, Fumihiro, to Toyota Jidosha Kabushiki Kaisha. Hydraulically operated friction clutch having automatic wear compensating valve. 4,798,272, 1-17-89, Cl. 192-70.250.

Murata, Kiyohito: *See—*
- Ushijima, Fumihiro; and Murata, Kiyohito, 4,795,011, Cl. 192-0.032.

Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Saiki, Shuji; and Tanaka, Tsuneo, to Matsushita Electric Industrial Co., Ltd. Diaphragm for loudspeakers. 4,803,242, 2-7-89, Cl. 524-35.000.

Murata, Kunihiko: *See—*
- Marii, Satoshi; Murata, Kunihiko; and Mitsui, Hiroyuki, 4,883,006, Cl. 112-121.120.
- Morii, Satoshi; Murata, Kunihiko; and Mitsui, Hiroyuki, 4,821,659, Cl. 112-121.150.

Murata, Makoto: *See—*
- Okada, Tadashi; Furukawa, Yuuji; and Murata, Makoto, 4,838,120, Cl. 74-711.000.

Murata Manufacturing Co., Ltd.: *See—*
- Anao, Kimiharu; Hori, Yoshitsugu; Shimamaki, Keiichi; and Sato, Tadashi, 4,870,225, Cl. 174-68.500.
- Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi, 4,814,938, Cl. 361-302.000.
- Ariyoshi, Hisashi; Kasanami, Toru; and Fukuda, Susumu, 4,845,044, Cl. 437-24.000.
- Dohi, Katsuji; Kumada, Akira; and Murata, Michihiro, 4,883,366, Cl. 374-184.000.
- Endo, Masanori; and Watanabe, Kouichi, 4,876,631, Cl. 361-502.000.
- Hamuro, Mitsuro; Yamamoto, Shinya; and Saito, Koichi, 4,846,345, Cl. 206-328.000.
- Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, 4,841,414, Cl. 361-424.000.
- Higuchi, Hirokazu, 4,847,991, Cl. 29-759.000.
- Honma, Kanehito; Yokoi, Tsutomu; and Tani, Hiroji, 4,877,554, Cl. 252-511.000.
- Ikeuchi, Hiroshi; and Imamura, Nobuaki, 4,823,248, Cl. 363-20.000.
- Ikeuchi, Hiroshi, 4,885,509, Cl. 315-411.000.
- Imamura, Eiji; and Nishiyama, Katsumi, 4,855,866, Cl. 361-306.000.
- Ishikawa, Youhei; and Tanaka, Hiroaki, 4,816,788, Cl. 333-203.000.
- Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,821,006, Cl. 333-202.000.
- Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,839,773, Cl. 361-321.000.
- Ito, Katsuo; Kinoshita, Kazunori; and Tsuji, Kazuhiro, 4,816,613, Cl. 174-35.00R.
- Ito, Katsuo; Sawabe, Toichiro; and Maeda, Youji, 4,870,701, Cl. 455-326.000.
- Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
- Kano, Osamu; and Senda, Atsuo, 4,795,658, Cl. 427-98.000.
- Kano, Osamu; Takano, Yoshihiko; and Senda, Atsuo, 4,871,585, Cl. 427-98.000.
- Karaki, Shintaro; Chigodo, Yoshikazu; Okane, Masaaki; and Tanaka, Yukio, 4,795,496, Cl. 134-8.000.
- Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,668, Cl. 501-134.000.
- Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,669, Cl. 501-134.000.
- Kawaguchi, Masahiko, 4,888,568, Cl. 333-174.000.
- Kinoshita, Humiaki, 4,800,343, Cl. 333-24.00C.
- Kittaka, Toshihiko; Ando, Akira; and Sakabe, Yukio, 4,876,476, Cl. 310-320.000.
- Kumada, Akira; Murata, Michihiro; Itoh, Nobuhiro; and Kitoh, Norimitsu, 4,833,390, Cl. 320-2.000.
- Maeba, Yukio, 4,819,145, Cl. 363-63.000.
- Maeba, Yukio; and Igashira, Kiyoteru, 4,841,425, Cl. 363-21.000.
- Masuda, Fumitoshi; and Ueda, Yukinori, 4,821,014, Cl. 338-164.000.
- Matsuda, Shuzou; Naitou, Satoomi; and Wakano, Takahiro, 4,861,624, Cl. 427-81.000.
- Matsui, Kenji; Numata, Toshi; Ueda, Yukinori; Ogawa, Tomohisa; and Ito, Kiyoshi, 4,821,015, Cl. 338-175.000.
- Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,803,777, Cl. 29-856.000.
- Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,823,103, Cl. 336-175.000.
- Nakamura, Takeshi, 4,841,609, Cl. 29-25.350.
- Nishioka, Goro; and Sakabe, Yukio, 4,816,429, Cl. 501-135.000.
- Nishiyama, Katsumi, 4,866,566, Cl. 361-306.000.
- Ogawa, Toshio; and Ando, Akira, 4,805,057, Cl. 360-109.000.
- Okubo, Akira; and Sasaki, Kenichi, 4,797,647, Cl. 336-175.000.
- Okubo, Akira, 4,810,983, Cl. 333-184.000.
- Okumura, Mitsunao, 4,843,518, Cl. 361-330.000.
- Okumura, Mitsunao; Senda, Atsuo; and Imagawa, Shunjiro, 4,845,587, Cl. 361-302.000.
- Okumura, Mitsunao, 4,887,185, Cl. 361-302.000.
- Saito, Koji; Yorita, Tadahiro; and Okawa, Hiroshi, 4,795,992, Cl. 333-206.000.
- Saito, Yasuaki; and Harada, Tooru, 4,795,991, Cl. 333-181.000.
- Sakamoto, Yukio; Madokoro, Shinichi; and Okuyama, Shingo, 4,801,904, Cl. 333-182.000.
- Sakamoto, Yukio; Fujiki, Yasuo; and Hata, Yoshikazu, 4,827,634, Cl. 361-306.000.
- Sakamoto, Yukio; Tanabe, Takeshi; Fukutani, Iwao; and Hori, Toshio, 4,875,862, Cl. 439-79.000.
- Sano, Harunobu; Ichikawa, Hiroaki; Nishioka, Goro; and Sakabe, Yukio, 4,820,670, Cl. 501-136.000.
- Sano, Harunobu; Sakabe, Yukio; and Nishioka, Goro, 4,875,136, Cl. 361-321.000.
- Senda, Atsuo; Kasanami, Tohru; and Nakagawa, Takuji, 4,833,004, Cl. 428-210.000.
- Shikama, Takashi; Nakamura, Toshikazu; and Torii, Kiyofumi, 4,831,241, Cl. 219-544.000.
- Takagi, Horoshi; Mori, Yoshiaki; and Sakabe, Yukio, 4,800,459, Cl. 361-321.000.
- Tanabe, Takeshi; and Hori, Toshio, 4,883,920, Cl. 174-68.500.
- Tani, Hiroji; Kasanami, Tohru; and Yokoi, Tsutomu, 4,877,565, Cl. 264-105.000.
- Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.
- Watanabe, Kouichi; Maesaka, Michinobu; and Murata, Michihiro, 4,803,597, Cl. 361-502.000.
- Watanabe, Kouichi; and Heinouchi, Yoshiaki, 4,827,380, Cl. 361-502.000.
- Yamaguchi, Masami, 4,859,498, Cl. 427-96.000.
- Yamamoto, Shinya; and Saito, Koichi, 4,889,229, Cl. 206-328.000.
- Yokoi, Tsutomu; Tani, Hiroji; Kasanami, Tohru; Fukui, Norio; and Yamamoto, Keizou, 4,839,960, Cl. 29-620.000.
- Yorita, Tadahiro; and Hiroshima, Motoharu, 4,800,347, Cl. 333-202.000.

Murata, Masae: *See—*
- Imai, Tooru; Mutou, Kouichi; Yamazaki, Hidetoshi; and Murata, Masae, 4,797,865, Cl. 369-39.000.
- Yamasaki, Hidetoshi; and Murata, Masae, 4,800,554, Cl. 369-291.000.

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Murata, Masahiko: *See—*
- Nishioka, Koyoshi; Tamehiro, Hiroshi; and Murata, Masahiko, 4,851,052, Cl. 148-2.000.

Murata, Masahiro; and Takahashi, Kaoru, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Method for closing openings of through-holes in a pipe wall. 4,880,579, 11-14-89, Cl. 264-26.000.

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- Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, to Fujisawa Pharmaceutical Co., Ltd. 3-pyrrolidinylthio-1-azabicyclo(3.2.0)-hept-2-ene-2-carboxylic acid compounds and antimicrobial activity thereof. 4,822,787, 4-18-89, Cl. 514-210.000.

Murata, Masayoshi: *See—*
- Takaya, Takao; Murata, Masayoshi; and Ito, Kiyotaka, 4,824,851, Cl. 514-274.000.

Murata, Michihiro: *See—*
- Dohi, Katsuji; Kumada, Akira; and Murata, Michihiro, 4,883,366, Cl. 374-184.000.
- Kumada, Akira; Murata, Michihiro; Itoh, Nobuhiro; and Kitoh, Norimitsu, 4,833,390, Cl. 320-2.000.
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Murata, Mitshiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, to Sharp Kabushiki Kaisha. Document holder for a copier and hinge mechanism therefor. 4,853,750, 8-1-89, Cl. 355-75.000.

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Murata, Mitsuo: *See—*
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.

Murata, Mitsuru, to Kabushiki Kaisha Toshiba. Thick-film integrated circuit device capable of being manufactured by means of easy-to-perform trimming operation. 4,841,275, 6-20-89, Cl. 338-195.000.

Murata, Mitsuru: *See—*
- Aoki, Hideki; Murata, Mitsuru; and Sakamoto, Hirotaka, 4,879,503, Cl. 318-809.000.

Murata, Moriyasu: *See—*
- Saito, Kozo; Sai, Fumio; and Murata, Moriyasu, 4,869,843, Cl. 252-135.000.
- Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, 4,822,516, Cl. 252-174.120.
- Tsumadori, Masaki; Shimizu, Kazuo; Inokoshi, Junichi; and Murata, Moriyasu, 4,842,760, Cl. 252-8.800.

Murata, Moriyoshi, to Kabushiki Kaisha Toshiba. Endoscope with color correcting mechanism. 4,872,446, 10-10-89, Cl. 128-6.000.

Murata, Nagatoshi: *See—*
- Uchida, Kuninobu; Nemoto, Kenji; Nokajima, Kunio; Murata, Nagatoshi; and Kaneko, Mitsuo, 4,805,286, Cl. 29-407.000.

Murata, Nobuo: *See—*
- Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.

Murata, Ryuji: *See—*
- Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, 4,798,445, Cl. 350-96.340.

Murata, Shigemi: *See—*
- Kodama, Seiki; Murase, Shigenobu; Matsuo, Haruyuki; Maruhashi, Hideki; Murata, Shigemi; and Miyaji, Hidetoshi, 4,852,541, Cl. 123-617.000.
- Kodama, Seiki; and Murata, Shigemi, 4,887,572, Cl. 123-414.000.

Murata, Shinichi: *See—*
- Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,574, Cl. 160-168.100.

Murata, Shinji: *See—*
- Ito, Masahiko; Maetani, Masami; Murata, Shinji; and Onuki, Kazuhiko, 4,800,413, Cl. 355-45.000.
- Onuki, Kazuhiko; Maetani, Masami; Ito, Masahiko; and Murata, Shinji, 4,879,572, Cl. 355-45.000.
- Tomoyori, Makoto; and Murata, Shinji, 4,805,982, Cl. 350-96.240.
- Tomoyori, Makoto; and Murata, Shinji, 4,805,983, Cl. 350-96.240.
- Yoritomo, Makoto; Fuse, Masashi; and Murata, Shinji, 4,827,290, Cl. 346-107.00R.

Murata, Shinsuke, to Kabushiki Kaisha Sato. Portable label printing applicator apparatus. 4,871,269, 10-3-89, Cl. 400-88.000.

Murata, Shiroo: *See—*
- Toda, Haruhisa; and Murata, Shiroo, 4,855,549, Cl. 200-401.000.

Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, to Chisso Corporation. Diamond compounds and liquid crystal aligning films. 4,864,008, 9-5-89, Cl. 528-125.000.

Murata, Shouichi: *See—*
- Shibukawa, Yoshinori; Yasumoto, Taizo; Makiyama, Muneto; Murata, Shouichi; and Kusunoki, Kazuya, 4,865,786, Cl. 264-51.000.

Murata, Shuji: *See—*
- Asai, Yoshiharu; Tsukamoto, Shinji; and Murata, Shuji, 4,852,673, Cl. 177-25.180.

Murata, Sunao: *See—*
- Hayano, Fuminori; Imamura, Kazunori; Murata, Sunao; and Kato, Kinya, 4,889,998, Cl. 250-563.000.

Murata, Tadahiko: *See—*
- Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.
- Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.

Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, to Shindengen Electric Manufacturing Co., Ltd; and Yamanashi Electronics Co. Ltd. Electrophotographic photoreceptor. 4,839,252, 6-13-89, Cl. 430-59.000.

Murata, Takaaki, to Aso Pharmaceutical Co., Ltd. First-aid adhesive bandage. 4,808,172, 2-28-89, Cl. 604-306.000.

Murata, Takahiko: *See—*
- Shiomi, Kazuyuki; and Murata, Takahiko, 4,811,699, Cl. 123-90.230.
- Yamaguchi, Kazufumi; Murata, Takahiko; and Yamamoto, Yasunori, 4,845,567, Cl. 358-213.290.

Murate, Takashi: *See—*
- Tada, Hisashi; Saruta, Masahiro; Murata, Takashi; Agata, Akira; and Kashiyama, Setuo, 4,832,932, Cl. 423-447.200.

Murata, Tatsuo: *See—*
- Takao, Hideaki; Motoi, Taiko; Sekimura, Nobuyuki; Kamio, Masaru; and Murata, Tatsuo, 4,802,743, Cl. 350-339.00F.
- Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, 4,818,075, Cl. 350-339.00F.

Murata, Tetsuo, to Sharp Kabushiki Kaisha. Method of driving a liquid crystal display device. 4,824,211, 4-25-89, Cl. 350-332.000.

Murata, Tomohiro: *See—*
- Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.

Murata, Tomoji: *See—*
- Ito, Masazumi; Murata, Tomoji; and Shibazaki, Kenji, 4,868,610, Cl. 355-243.000.
- Ogino, Shigeo; Nakatani, Keiji; and Murata, Tomoji, 4,864,364, Cl. 355-202.000.
- Shibazaki, Kenji; Irie, Yutaka; Ito, Masazumi; and Murata, Tomoji, 4,827,310, Cl. 355-243.000.

Murata, Tomomi: *See—*
- Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji; and Yamamoto, Kazuo, 4,806,849, Cl. 324-65.0CR.
- Matsuoka, Kazumi; Kihira, Hiroshi; Ito, Satoshi; and Murata, Tomomi, 4,861,453, Cl. 204-404.000.

Murata, Toshimichi: *See—*
- Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, 4,861,441, Cl. 204-38.700.

Murata, Toshinori; Arai, Ikuya; Kurita, Toshiyuki; and Nakagawa, Isao, to Hitachi, Ltd. Digital signal processing circuit driven by a switched clock and used in television receiver for processing standard and nonstandard television signals. 4,860,090, 8-22-89, Cl. 358-21.00R.

Murata, Toshinori: *See—*
- Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.
- Sekiya, Hiroshi; Arai, Ikuya; and Murata, Toshinori, 4,870,490, Cl. 358-158.000.

Murata, Yasukiyo: *See—*
- Tanaka, Hiroshi; Murata, Yasukiyo; and Eto, Kazumi, 4,876,861, Cl. 62-279.000.

Murata, Yasushi; and Yanagisawa, Shuich, to Pioneer Electronic Corporation. Optical information record disk. 4,812,857, 3-14-89, Cl. 346-137.000.

Murata, Yasushi; Ogoshi, Kunizho; and Matsui, Fumio, to Pioneer Electronic Corporation. Method for producing optical information recording disk. 4,836,890, 6-6-89, Cl. 156-73.100.

- Murata, Yasushi; Ogoshi, Kunizoh; and Matsui, Fumio, to Pioneer Electronic Corporation. Method for producing an optical information recording disk. 4,871,404, 10-3-89, Cl. 156-73.100.
- Murata, Yasuto: *See—*
  - Tezuka, Junichi; Kishi, Takaaki; and Murata, Yasuto, 4,851,902, Cl. 358-101.000.
- Murata, Yoshifumi: *See—*
  - Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
- Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, to Nippon Oil and Fats Co., Ltd. Optical resin from diallyl esters. 4,855,374, 8-8-89, Cl. 526-261.000.
- Murata, Yoshitoshi; Yoshizawa, Kazuhiro; Yotsutani, Akio; and Ito, Koichi, to Nippon Telegraph and Telephone Corporation; and NEC Corporation. Radio telephone system control apparatus and method. 4,802,200, 1-31-89, Cl. 379-61.000.
- Murata, Yoshitoshi: *See—*
  - Nagashima, Noriaki; Monma, Kohji; and Murata, Yoshitoshi, 4,879,740, Cl. 379-61.000.
  - Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, 4,852,148, Cl. 379-59.000.
  - Shitara, Kenji; Sasaki, Akio; and Murata, Yoshitoshi, 4,833,702, Cl. 379-60.000.
  - Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.
- Murata, Yukichi; and Maeda, Shuichi, to Mitsubishi Chemical Industries Limited. Transfer sheet for thermal transfer recording. 4,816,435, 3-28-89, Cl. 503-227.000.
- Murata, Yukichi. Transfer sheets for thermal transfer recording. 4,820,685, 4-11-89, Cl. 503-227.000.
- Murata, Yukichi; and Maeda, Shuichi, to Mitsubishi Chemical Industries Limited. Transfer sheet for heat sensitive transfer recording. 4,829,049, 5-9-89, Cl. 503-227.000.
- Murata, Yukichi: *See—*
  - Niwa, Toshio; Murata, Yukichi; and Maeda, Shuichi, 4,829,047, Cl. 503-227.000.
- Murata, Yukio: *See—*
  - Hisada, Katsutoshi; Kokubu, Nobuaki; Sakurai, Shigeki; Murata, Yukio; and Okano, Tatsuo, 4,799,110, Cl. 358-261.300.
- Murata, Yukitaka: *See—*
  - Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
- Muratani, Takuro; Kobayashi, Hideo; and Kimura, Toshinari, to Kokusai Denshin Denwa Kabushiki Kaisha. Phase synchronization system. 4,862,104, 8-29-89, Cl. 331-1.00A.
- Murate, Tsuneo; and Suzuki, Shin, to Yamatake-Honeywell Company Limited. Method and a process control system using the method for minimizing hunting. 4,855,674, 8-8-89, Cl. 324-158.00R.
- Muratsu, Kazumasa: *See—*
  - Folkers, Karl; and Muratsu, Kazumasa, 4,824,669, Cl. 424-94.100.
- Muravsky, Anatoly A.: *See—*
  - Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.
- Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, to Hitachi, Ltd. Scroll compressor with valved port for each compression chamber. 4,818,195, 4-4-89, Cl. 418-15.000.
- Murayama, Akira: *See—*
  - Suefuji, Kazutaka; Arata, Tetsuya; Senshu, Takao; Okamoto, Jyoji; and Murayama, Akira, 4,810,176, Cl. 418-55.000.
- Murayama, Fumio; and Matsuda, Mitsuyoshi, to Pioneer Electronic Corporation. Coaxial speaker unit. 4,821,331, 4-11-89, Cl. 381-192.000.
- Murayama, Fumio, to Pioneer Electronic Corporation. Speaker system for motor vehicles with an alarm device. 4,837,835, 6-6-89, Cl. 381-86.000.
- Murayama, Hideharu: *See—*
  - Morioka, Kazuo; Kokubo, Takashi; Imazeki, Youichi; and Murayama, Hideharu, 4,847,710, Cl. 360-72.200.
- Murayama, Hiroshi: *See—*
  - Nakano, Hiraku; and Murayama, Hiroshi, 4,799,183, Cl. 364-760.000.
- Murayama, Jin; Miida, Takashi; and Kondo, Ryuji, to Fuji Photo Film Co., Ltd. Variable delay charge coupled device. 4,803,706, 2-7-89, Cl. 377-63.000.
- Murayama, Jin: *See—*
  - Miida, Takashi; Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, 4,849,619, Cl. 250-201.000.
- Murayama, Junichiro; and Komizo, Yuichi, to Sumitomo Metal Industries, Ltd. Titanium-clad steel and a method for the manufacture thereof. 4,839,242, 6-13-89, Cl. 428-660.000.
- Murayama, Ken: *See—*
  - Nagasawa, Kiyoshi; Ono, Kozo; Ogata, Kojiro; Murayama, Ken; and Hoshino, Yoshihiro, 4,888,878, Cl. 33-573.000.
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  - Sugitani, Yuji; and Murayama, Masatoshi, 4,851,638, Cl. 219-124.340.
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  - Sato, Kei; and Murayama, Noboru, 4,797,809, Cl. 364-200.000.
- Murayama, Osamu: *See—*
  - Takehana, Takamichi; Murayama, Osamu; Nakajima, Hideaki; Yamada, Masatoshi; and Hamada, Makoto, 4,878,080, Cl. 354-403.000.
- Murayama, Seiichi: *See—*
  - Kato, Yasuo; Ochiai, Isao; Watanabe, Yoshio; and Murayama, Seiichi, 4,841,556, Cl. 378-119.000.
  - Mastuno, Hiromistu; Murayama, Seiichi; Ono, Tetsuo; and Watanabe, Yoshio, 4,879,493, Cl. 313-641.000.
  - Matsuno, Hiromitsu; Ono, Tetsuo; and Murayama, Seiichi, 4,803,401, Cl. 313-489.000.
  - Yasuda, Makoto; Miyashita, Tsune; Murayama, Seiichi; Arai, Yoji; and Yamada, Fuzio, 4,803,406, Cl. 315-174.000.
- Murayama, Toshiaki: *See—*
  - Kitajima, Tadayuki; Asakawa, Toshiyuki; Naito, Masataka; Matsuo, Kazuhiro; and Murayama, Toshiaki, 4,854,571, Cl. 271-293.000.
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- Murayama, Yoichi, to NEC Corporation. Bi-MOS levelshift circuit capable of controlling power consumption. 4,859,878, 8-22-89, Cl. 307-446.000.
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  - Katayama, Yoshifumi; Shiraki, Yasuhiro; and Murayama, Yoshimasa, 4,796,068, Cl. 357-4.000.
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  - Wakabayashi, Shuichi; Kawamoto, Tetsumi; Yamada, Toshiyuki; and Murayama, Yuko, 4,809,343, Cl. 382-27.000.
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  - Grunder, Werner; Baechler, Francois; and Murbach, Erwin, 4,864,853, Cl. 75-160.000.
- Murch, Gerald M.: *See—*
  - Taylor, Joann M.; McManus, Paul A.; Murch, Gerald M.; Rochat, Roxanna F.; and Weiman, Novia A., 4,843,573, Cl. 364-521.000.
- Murchison, Craig B.: *See—*
  - Quarderer, George J.; Stevens, Rex R.; Cochran, Gene A.; and Murchison, Craig B., 4,825,013, Cl. 568-902.200.
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- Murdoch, Ian S., to American Standard Inc. Method of installing a bathing vessel. 4,879,858, 11-14-89, Cl. 52-741.000.
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- Murdock, Anthony: *See—*
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  - Comley, Peter N., 4,888,973, Cl. 72-342.000.
  - Horton, Jack, 4,876,050, Cl. 264-102.000.
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  - Fazi, Valentino N., Jr.; Murdock, Ronald G.; Hancock, Ernest O.; and McCready, John W., 4,819,503, Cl. 74-574.000.

- Murdock, Susan L.: *See—*
  - Hubbell, Nelson M.; Murdock, Susan L.; and Romano, Ernest P., 4,886,163, Cl. 206-334.000.
- Murdock, Thomas O.; and Krankkala, Paul L., to H. B. Fuller Company. Fast setting starch-based corrugating adhesive having fully hydrolyzed cold water insoluble polyvinyl alcohol component. 4,826,719, 5-2-89, Cl. 428-182.000.
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  - Baugh, William D.; and Murib, Jawad H., 4,801,743, Cl. 562-519.000.
- Murken, Joseph S., to Dayco Products, Inc. Hose construction, coupling arrangement therefor and method of making the same. 4,806,248, 2-21-89, Cl. 210-448.000.
- Murlyn Enterprises Ltd.: *See—*
  - Miller, Murray G. W., 4,878,606, Cl. 224-208.000.
- Murmann, Gunter; and Mertel, Walter H., to Cherry-Mikroschalter GmbH. Key module for key-actuated membrane switch panels. 4,800,245, 1-24-89, Cl. 200-345.000.
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- Murofushi, Katsumi: *See—*
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- Murofushi, Masanori, to NEC Corporation. Linear pulse motor. 4,879,482, 11-7-89, Cl. 310-12.000.
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  - Nagase, Kazuo; Tagaki, Toshio; Endo, Takayoshi; Murofushi, Satoru; and Yamamoto, Masayuki, 4,828,507, Cl. 439-206.000.
- Murofushi, Shigeo: *See—*
  - Kinaga, Yoshimasa; Murofushi, Shigeo; and Seko, Kenji, 4,833,207, Cl. 525-276.000.
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- Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, to Fuji Xerox Co., Ltd. Two component electrophotographic developer. 4,880,719, 11-14-89, Cl. 430-106.600.
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  - Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, 4,797,340, Cl. 430-109.000.
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  - Kanamaru, Tsuneo; Shinagawa, Susumu; and Muroi. Masayuki, 4,803,275, Cl. 546-116.000.
- Muroi, Ryoichi: *See—*
  - Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.000.
- Muroi, Takahisa: *See—*
  - Fukushi, Isao; and Muroi, Takahisa, 4,890,018, Cl. 307-446.000.
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- Muroi, Tetsuya: *See—*
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- Muroi, Yoshiyuki: *See—*
  - Ohtani, Shoji; Muroi, Yoshiyuki; and Tsushima, Rikio, 4,795,792, Cl. 526-201.000.
- Muromachi, Tadahiko: *See—*
  - Sakai, Katsuo; Muromachi, Tadahiko; and Sakai, Yukio, 4,806,153, Cl. 73-151.000.
- Muronaga, Takehisa: *See—*
  - Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,085, Cl. 210-510.100.
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- Muroran Institute of Technology: *See—*
  - Kenjyo, Tadao, 4,800,139, Cl. 429-42.000.
- Murota, Kazuaki: *See—*
  - Shimizu, Isao; Miyatake, Katsunori; Urabe, Shuji; and Murota, Kazuaki, 4,817,197, Cl. 455-208.000.
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  - Asakura, Masahiko; Seki, Yasunari; Shiina, Takanori; and Muroya, Minoru, 4,804,454, Cl. 204-406.000.
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- Murph, Ronald L.: *See—*
  - Teumac, Fred N.; Ricciardi, Michael A.; Murph, Ronald L.; and Howard, Gregory W., 4,818,775, Cl. 521-107.000.
- Murphey, Joseph R.; and Totty, Kenneth D., to Halliburton Company. Continuously forming and transporting consolidatable resin coated particulate materials in aqueous gels. 4,829,100, 5-9-89, Cl. 523-131.000.
- Murphey, Randy K.: *See—*
  - Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, 4,821,996, Cl. 251-9.000.
- Murphey, Richard W.: *See—*
  - Morris, Robert D., II; Murphey, Richard W.; and Swanton, David K., 4,844,927, Cl. 426-307.000.
- Murphy, Allan P.; and Toth, John. Spraying and dosing apparatus. 4,826,050, 5-2-89, Cl. 222-175.000.
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- Murphy, Bernard J., to Ingersoll-Rand Company. Method of checking collinearity. 4,880,306, 11-14-89, Cl. 356-153.000.
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- Murphy, Bruce D.: *See—*
  - Silversides, David W.; Mapletoft, Reuben J.; Murphy, Bruce D.; and Misra, Virkam, 4,879,112, Cl. 424-85.900.
- Murphy, Bruce L.: *See—*
  - Schumacher, Doris P.; Murphy, Bruce L.; and Clark, Jon E., 4,863,931, Cl. 514-290.000.
  - Schumacher, Doris P.; Murphy, Bruce L.; and Clark, Jon E., 4,873,335, Cl. 546-194.000.
  - Schumacher, Doris P.; Clark, Jon E.; and Murphy, Bruce L., 4,876,352, Cl. 548-232.000.
- Murphy, Bryan P.: *See—*
  - Kijek, James E.; Brown, Keith C.; and Murphy, Bryan P., 4,838,894, Cl. 8-412.000.
- Murphy, Charles H., to Advanced Protection Technologies, Inc. Polyurethane systems especially adapted for surge suppression. 4,849,470, 7-18-89, Cl. 524-714.000.
- Murphy-Chutorian, Douglas R.; Mok, Walter Y. W.; and Leung, Kang M., to MCM Laboratories, Inc. Method and apparatus for reducing blockage in body channels. 4,832,023, 5-23-89, Cl. 128-303.100.
- Murphy, Colin R. R., to Engineered Construction Components. Machine for welding roof membranes. 4,834,828, 5-30-89, Cl. 156-359.000.
- Murphy, Daniel R.: *See—*
  - Enochs, R. Scott; Jansen, Scott R.; Murphy, Daniel R.; Randall, Randy S.; and Roth, Joanne, 4,818,056, Cl. 350-96.200.
- Murphy, David K.: *See—*
  - Lannerd, Robert F.; and Murphy, David K., 4,860,972, Cl. 244-135.00R.
- Murphy, Deborah C.: *See—*
  - Powers, Vernon B.; and Murphy, Deborah C., 4,797,992, Cl. 29-600.000.
- Murphy, Edmond J.: *See—*
  - Fischer, Frederick H.; Murphy, Edmond J.; and Rice, Trudie C., 4,810,049, Cl. 350-96.120.
- Murphy, Edward J.; Ansel, Robert E.; and Krajewski, John J., to DeSoto, Inc. Investment casting utilizing patterns produced by stereolithography. 4,844,144, 7-4-89, Cl. 164-35.000.
- Murphy, Frank H., to Dow Chemical Company, The. Process for producing 2,3,5,6-tetrachloropyridine. 4,804,764, 2-14-89, Cl. 546-345.000.
- Murphy, Frank H.; and Oleksy, Matt W., to Dow Chemical Company, The. Recovery of zinc and ammonium chloride. 4,865,831, 9-12-89, Cl. 423-463.000.
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  - Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., 4,814,409, Cl. 528-25.000.
  - Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., 4,855,329, Cl. 521-112.000.
  - Budnik, Richard A.; and Murphy, Gerald J., 4,855,379, Cl. 528-29.000.
- Murphy, Gordon J.; and Plonus, Martin A. Alternating current outlet adapter. 4,857,759, 8-15-89, Cl. 307-141.000.

Murphy, Grant J., Jr.; and Turnipseed, Howard S., to Tricon Metals & Services, Inc. Multi-layer alloy steel wear structure and process for making same. 4,804,588, 2-14-89, Cl. 428-683.000.
Murphy, James. Toilet paper dispenser. 4,804,149, 2-14-89, Cl. 242-55.530.
Murphy, James C., to Nordson Corporation. Electrostatic powder spray gun with adjustable deflector and electrostatic shield. 4,811,898, 3-14-89, Cl. 239-3.000.
Murphy, James C.: *See—*
  Elsohly, Mahmoud; Turner, Carlton E.; Murphy, James C.; and Wirth, Phillip W., 4,837,228, Cl. 514-456.000.
  Wacker, Robert L.; Shuster, Donald E.; Sharpless, John; Knobbe, Alan J.; and Murphy, James C., 4,887,770, Cl. 239-703.000.
Murphy, James D.: *See—*
  Terhune, Ralph D.; and Murphy, James D., 4,871,455, Cl. 210-232.000.
Murphy, James F., to Bel-Air Plastics, Inc. Caster plate retention bracket. 4,817,237, 4-4-89, Cl. 16-29.000.
Murphy, James R.: *See—*
  Hodgens, Thomas A.; Lowrie, Amy L.; and Murphy, James R., 4,887,301, Cl. 382-9.000.
Murphy, Jimmy D and Hicks, Ted. Funnel apparatus. 4,856,568, 8-15-89, Cl. 141-337.000.
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Murphy, John F.; Barton, William M., Jr.; Jacobs, Lynn C.; McGee, Jeffrey S.; Netzeband, William F.; Johnson, Roger S.; and Dinas, Thomas J., to Cipher Data Products, Inc. Transport for tape cartridge with leader block. 4 809,099, 2-28-89, Cl. 360-95.000.
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Murphy, John P., to Lubrizol Corporation, The. Aliphatic hydrocarbon substituted aromatic hydrocarbons to control black sludge in lubricants. 4,800,032, 1-24-89, Cl. 252-51.50A.
Murphy, John W.: *See—*
  Bogaerts, Leo C.; Murphy, John W.; and Norman, John S., 4,867,021, Cl. 82-112.000.
Murphy, Kenneth J.: *See—*
  Smith, Steven E.; Kucharski, Janusz M.; and Murphy, Kenneth J., 4,868,826, Cl. 371-9.100.
Murphy, Kenneth S.: *See—*
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Murphy, Kent D. Resilient retainer for elongate objects of different diameters and widths. 4,882,816, 11-28-89, Cl. 24-555.000.
Murphy, Kent W.; and Craft, Charles W., Jr., to Rubbermaid Incorporated. Storage device for floppy diskettes. 4,848,574, 7-18-89, Cl. 206-444.000.
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Murphy, Lawrence M., to United States of America, Energy. Support and maneuvering apparatus for solar energy receivers. 4,875,467, 10-24-89, Cl. 126-424.000.
Murphy, Margaret H.: *See—*
  Thompson, Marvin W.; Scott, James A.; Jennings, Timothy C.; Neves, Joseph; Phenicie, Ronald W.; and Murphy, Margaret H., 4,813,542, Cl. 206-504.000.
  Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
  Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.
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  Todorof, William J.; and Murphy, Mark, 4,830,678, Cl. 136-259.000.
Murphy, Mark A.; Smith, Brad L.; Aguilo', Adolfo; and Tau, Kwoliang D., to Hoechst Celanese Corporation. Process for making 1,3-diols from epoxides. 4,873,378, 10-10-89, Cl. 568-867.000.
Murphy, Mark A., to Hoechst Celanese Corporation. Process for making 1,3-diols from epoxides. 4,873,379, 10-10-89, Cl. 568-867.000.
Murphy, Milton K.: *See—*
  Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handermann, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,871,494, Cl. 264-41.000.
  Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handerman, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,880,441, Cl. 55-16.000.
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  Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., 4,821,757, Cl. 137-13.000.
Murphy, Patrick; and Tran, Duc H., to Pitney Bowes Inc. Apparatus for processing irregularly-shaped letters in a thermal printer. 4,857,942, 8-15-89, Cl. 346-76.0PH.
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Murphy, Philip: *See—*
  Cipolla, Thomas M.; Horton, Raymond R.; Murphy, Philip; and Palmer, Michael J., 4,875,614, Cl. 228-5.500.
Murphy-Phoenix Company: *See—*
  Becker, Brian D., 4,822,514, Cl. 252-108.000.
Murphy, Pierce M. High frequency lighting system for gas discharge lamps. 4,818,918, 4-4-89, Cl. 315-244.000.
Murphy, Richard: *See—*
  Davenport, Carl; and Murphy, Richard, 4,830,516, Cl. 384-44.000.
Murphy, Richard D.; and Fischer, William C., to United Technologies Corporation. Backup control system (BUCS). 4,890,284, 12-26-89, Cl. 371-9.100.
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Murphy, Richard F.: *See—*
  Hill, Gary J.; and Murphy, Richard F., 4,869,604, Cl. 384-569.000.
Murphy, Richard J.; and Baker, Glenn D., to Electric Power Research Institute Inc. Circuit for high-frequency sampling and compression of data for high-frequency electrical transient signals superimposed in a low frequency steady-state signal. 4,827,259, 5-2-89, Cl. 341-123.000.
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Murphy, Robert A.: *See—*
  Arenal, Mark G.; and Murphy, Robert A., 4,884,878, Cl. 350-429.000.
Murphy, Robert J. Multi function foldable exercise machine. 4,804,179, 2-14-89, Cl. 272-117.000.
Murphy, Robert J.: *See—*
  Hornsby, Howard C., Jr., and Murphy, Robert J., 4,862,817, Cl. 114-67.00A.
Murphy, Robert T. Electrical sound detector for stringed instrument. 4,843,937, 7-4-89, Cl. 84-1.160.
Murphy, Scott, to Thomas Jefferson University. Glucose free media for storing blood platelets. 4,828,976, 5-9-89, Cl. 435-2.000.
Murphy, Shirley G.: *See—*
  Murphy, Willard J.; and Murphy, Shirley G., 4,887,523, Cl. 99-419.000.
Murphy, Steven A.: *See—*
  Larson, Brian R.; Bennett, Donald B.; and Murphy, Steven A., 4,833,468, Cl. 340-825.800.
Murphy, Susan A.: *See—*
  Bassett, Robert W.; Griffin, William R.; Murphy, Susan A.; Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., 4,878,209, Cl. 368-113.000.
Murphy, Thomas E.: *See—*
  Cosentino, Patrick A.; Shea, Amy L.; Haefner, Michael E.; Ziegler, Douglas V.; Murphy, Thomas E.; and Bubie, Walter C., 4,866,638, Cl. 364-521.000.
Murphy, Thomas P., to MB Group plc. Electrolytic stripping of cobalt. 4,828,662, 5-9-89, Cl. 204-146.000.
Murphy, Timothy A.: *See—*
  Renshaw, Kenneth H.; and Murphy, Timothy A., 4,882,588, Cl. 342-373.000.
Murphy, Timothy J.: *See—*
  Floro, William E.; Luboski, Mark; Murphy, Timothy J.; and Campbell, Alan J., 4,809,217, Cl. 364-900.000.
  Struger, Odo J.; Luboski, Mark; and Murphy, Timothy J., 4,882,702, Cl. 364-900.000.
Murphy, Wesley T. Clip for joining sheet metal beam members. 4,800,698, 1-31-89, Cl. 52-714.000.
Murphy, Wesley T. Support structure including right angle stud bracket. 4,835,935, 6-6-89, Cl. 52-721.000.
Murphy, Willard J.; and Murphy, Shirley G. Shish-kakob cooking device. 4,887,523, 12-19-89, Cl. 99-419.000.
Murphy, William. Self-righting waterborne craft. 4,836,120, 6-6-89, Cl. 114-61.000.
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  Coy, David H.; Murphy, William A.; and Heiman, Mark L., 4,853,371, Cl. 514-12.000.
  Coy, David H.; and Murphy, William A., 4,871,717, Cl. 514-11.000.
Murphy, William C.: *See—*
  Brown, Patrick A.; and Murphy, William C., 4,844,203, Cl. 184-15.300.
Murphy, William J., to X-Solve, Inc. Electrophotographic photoreceptor containing a toner release material. 4,869,982, 9-26-89, Cl. 430-48.000.
Murr, Michael R.; Rajasekera, Jay R.; and Vrieland, Bruce C., to American Telephone and Telegraph Company. Method of fabricating a cable. 4,798,641, 1-17-89, Cl. 156-158.000.
Murray, Aengus: *See—*
  McMullin, Francis; Byrne, John V.; and Murray, Aengus, 4,853,604, Cl. 318-653.000.

Murray, Alexander P.; Slater, Clifton G.; and White, Robert W., to Westinghouse Electric Corp. Ceric acid decontamination of nuclear reactors. 4,880,559, 11-14-89, Cl. 252-186.210.
Murray, Alice C.: *See—*
  Bernardin, Rodney A.; Hanken, Laurel A.; Insley, Thomas I.; and Murray, Alice C., 4,884,684, Cl. 206-204.000.
  Dyrud, James F.; Berg, Harvey J.; and Murray, Alice C., 4,807,619, Cl. 128-206.160.
Murray, Allan B., to Blou, Lester. Baby rocker. 4,809,373, 3-7-89, Cl. 5-107.000.
Murray, Alvin. Paint bucket holder. 4,842,229, 6-27-89, Cl. 248-148.000.
Murray, Andrew M.: *See—*
  Duckworth, Ralph M.; and Murray, Andrew M., 4,837,007, Cl. 424-52.000.
Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R., to U.S. Philips Corporation; Etablissement Public de Diffusion dit Telediffusion de France; and Etat Francais. Receiver having an interface with a sub-system. 4,797,919, 1-10-89, Cl. 380-20.000.
Murray, Bruce, to U.S. Philips Corporation. Scrambled signal receiver. 4,817,143, 3-28-89, Cl. 380-20.000.
Murray, Bruce, to U. S. Philips Corporation. Divider circuit. 4,845,727, 7-4-89, Cl. 377-43.000.
Murray, Bruce. Corrosion inhibition of sodium and calcium chloride. 4,849,171, 7-18-89, Cl. 422-7.000.
Murray, Bruce J.: *See—*
  Toner, John L.; Murray, Bruce J.; Babb, Bruce E.; and Sundberg, Michael W., 4,795,712, Cl. 436-74.000.
Murray, Charles N.; and Jamet, Michel R., to European Economic Community. Braking device for a capsule at the end of a trajectory. 4,875,429, 10-24-89, Cl. 114-331.000.
Murray, Charles N.; and Fortescue, Thomas R., to Europaische Atomgemeinschaft (EURATOM). Device for measuring the impedance of a medium along a measurement line. 4,887,040, 12-12-89, Cl. 324-446.000.
Murray, Charles T. Dispenser for granular and powdered dry materials. 4,856,681, 8-15-89, Cl. 222-158.000.
Murray, Dale D.: *See—*
  Caron, Bernard G.; Gutterman, Pamela R.; and Murray, Dale D., 4,878,731, Cl. 350-96.210.
Murray, Daniel J.: *See—*
  Mullins, Michael J.; Crain, Steven P.; Woo, Edmund P.; and Murray, Daniel J., 4,880,884, Cl. 525-469.000.
Murray, David L., to Deutz-Allis Corporation. Planter hydraulic system with means for locking row markers during transport. 4,800,962, 1-31-89, Cl. 172-126.000.
Murray, David L. Articulated implement frame with swing hitch. 4,871,028, 10-3-89, Cl. 172-248.000.
Murray, David P. Nutrient depleting envelopes containing aquatic plants. 4,888,912, 12-26-89, Cl. 47-1.400.
Murray, David R. V., to Sankey Vending Limited. Vending machine. 4,871,054, 10-3-89, Cl. 194-212.000.
Murray, Donald F.: *See—*
  Brandt, Charles M.; Denhoff, Donald P.; Everett, C. Joe; Murray, Donald F.; and Wilson, William H., 4,805,793, Cl. 215-10.000.
Murray Europe S.p.A.: *See—*
  Bona, Alfredo D.; and Airaghi, Attilio, 4,796,927, Cl. 285-190.000.
Murray, Gary P.; Lower, Ralph; Dunham, Byron J.; and Bulla, Don A., to Kent-Moore Corporation. Refrigeration system analyzer. 4,798,055, 1-17-89, Cl. 62-127.000.
Murray, Gary P.: *See—*
  Dunham, Byron J.; Murray, Gary P.; and Bulla, Don A., 4,879,546, Cl. 340-632.000.
  Punches, Robert J.; Murray, Gary P.; and Shirley, Roger D., 4,878,356, Cl. 62-149.000.
Murray, Gerald D.; Gibson, Shelby R.; Carpenter, Keith J.; Carpenter, Kenneth E.; and Carpenter, Michael R., to Kennametal Inc. Diamond tipped chip control insert. 4,854,784, 8-8-89, Cl. 407-114.000.
Murray, James E.: *See—*
  Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyon, Richard E.; Campbell, John H.; Jessop, Edward S.; and Murray, James E., 4,849,036, Cl. 156-99.000.
Murray, James G.: *See—*
  Gunesin, Binnur Z.; Murray, James G.; Schwab, Frederick C.; and Gustafson, Ronald J., 4,829,135, Cl. 526-173.000.
Murray, James S.: *See—*
  Clark, John; Martel, Brian J.; and Murray, James S., 4,847,542, Cl. 318-560.000.
Murray, John E.: *See—*
  Fossum, Tryggve; Hetherington, Ricky C.; Fite, David B., Jr.; Manley, Dwight P.; McKeen, Francis X.; and Murray, John E., 4,888,679, Cl. 364-200.000.
Murray, John H.: *See—*
  Kerr, Robert C.; and Murray, John H., 4,886,692, Cl. 428-82.000.
Murray, Joseph J.: *See—*
  Lucitte, Richard D.; Melnychuck, Paul W.; Murray, Joseph J.; Ray, Lawrence A.; and Sullivan, James R., 4,861,140, Cl. 350-320.000.
Murray, Kenneth W.; and Purvis, Joseph, to Burr-Brown Limited. Analog output system compatible with digital system bus. 4,796,006, 1-3-89, Cl. 341-144.000.
Murray, Kevin P.; Hoffman, William E.; and Ansel, Robert E., to DeSoto, Inc. Radiation-curable phenoxy resins, production thereof, and electron beam-curable compositions containing the same. 4,818,780, 4-4-89, Cl. 524-430.000.
Murray, Kevin P.; Ansel, Robert E.; and Schmid, Steven R., to DeSoto, Inc. Strong and elastic polyurethane, polyurea, polyarylates and electron beam-cured coatings containing the same. 4,822,841, 4-18-89, Cl. 524-356.000.
Murray, Lowell C.; and Wyss, Frederick, to Container Corporation of America. Composite drinking cup. 4,854,474, 8-8-89, Cl. 220-462.000.
Murray, Lowell C.; and Wyss, Frederick, to Container Corporation of America. Paperboard drinking cup. 4,867,374, 9-19-89, Cl. 229-110.000.
Murray, Mark J.; and Kelly, James D., to ZymoGenetics, Inc. Expression of biologically active PDGF analogs in eucaryotic cells. 4,801,542, 1-31-89, Cl. 435-172.300.
Murray, Mark J.; and Kelly, James D., to ZymoGenetics, Inc. Biologically active B-chain homodimers. 4,845,075, 7-4-89, Cl. 514-12.000.
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Murray, Martin: *See—*
  Ballantyne, Ronald; and Murray, Martin, 4,836,125, Cl. 114-294.000.
Murray, Michael A., to Ethicon, Inc. Staple positioning tab. 4,811,886, 3-14-89, Cl. 227-19.000.
Murray, Michael J.: *See—*
  Hughan, Robert R.; Hannink, Richard H. J.; Swain, Michael V.; Stringer, Robert K.; Murray, Michael J.; and Garvie, Ronald C., 4,885,266, Cl. 501-104.000.
Murray, Pat L.; Braun, Robert; and McNamara, Dawn, to Insta-Foam Products. Dispenser and components for high viscosity foam products. 4,880,143, 11-14-89, Cl. 222-135.000.
Murray, Patrick M., to General Motors Corporation. Articulated air vane arrangement. 4,796,518, 1-10-89, Cl. 98-2.000.
Murray, Peter: *See—*
  Haller, Bernd; Herkner, Ernst; Murray, Peter; Riesenberg, Volker; Schnatwinkel, Michael; Schulze, Rainer; Wagner, Georg; and Wilmes, Manfred, 4,878,859, Cl. 439-716.000.
Murray, Rex E., to Union Carbide Corporation. Phosphine and sulfonate bearing ligands. 4,822,915, 4-18-89, Cl. 568-13.000.
Murray, Richard A., to Enter Computer, Inc. Indexing mechanism. 4,812,858, 3-14-89, Cl. 346-139.00R.
Murray, Richard A.; White, John; and Branner, George K., to Enter Computer, Inc. Method and apparatus for detecting the presence or absence of a pen in pen recorder. 4,843,406, 6-27-89, Cl. 346-1.100.
Murray, Richard C., Jr.; and Goorsky, Mark S., to Gould, Inc. Fiber optic pH sensor having low drift rate. 4,801,655, 1-31-89, Cl. 525-329.400.
Murray, Robert J., to Pennwalt Corporation. Methods of use of α-(aminoalkyl)-arylacetic acid derivatives. 4,847,301, 7-11-89, Cl. 514-624.000.
Murray, Stephen G., to General Motors Corporation. Secondary oil system for gas turbine engine. 4,856,273, 8-15-89, Cl. 60-39.080.
Murray, Steven W.: *See—*
  Hettinger, William P., Jr.; Murray, Steven W.; Adkins, Ricky L.; Fritz, Billy T.; Riggs, James R.; and Walters, Paul W., 4,869,880, Cl. 422-147.000.
Murray, Terrence J.; Patel, Bhiku G.; and Muhlhauser, Richard O., to Bristol-Myers Company. High oil phase pharmaceutical vehicles and sunscreen compositions having waterproof sun protection factors. 4,810,489, 3-7-89, Cl. 424-59.000.
Murray, Theodore L., to Chrysler Motors Corporation. Dual evaporator air conditioner. 4,873,837, 10-17-89, Cl. 62-199.000.
Murray, Thomas P.: *See—*
  Bloebaum, Roy D.; Magee, Frank P.; and Murray, Thomas P., 4,883,488, Cl. 62.3-20.000.
Murray, Timothy G.: *See—*
  Bowers, Paul K.; Kennedy, Richard A.; Murray, Timothy G.; and Kunkle, Richard I., 4,813,862, Cl. 425-87.000.
Murray, William D.; Duff, Sheldon J. B.; and Lanthier, Patricia H., to Canadian Patents & Development Limited. Production of natural flavor aldehydes from natural source primary alcohols C_2–C_7. 4,871,669, 10-3-89, Cl. 435-147.000.
Murray, William V.; and Wachter, Michael P., to Ortho Pharmaceutical Corporation. Amido substituted naphthalenes and intermediates thereof. 4,814,487, 3-21-89, Cl. 560-53.000.
Murray, William V.: *See—*
  Demers, James P.; Murray, William V.; and Sulsky, Richard B., 4,820,828, Cl. 549-362.000.
Murrell, Kenneth D.; Gamble, Howard R.; and Marti, Hanspeter, to United States of America, Agriculture. Vaccine for swine trichinosis. 4,795,633, 1-3-89, Cl. 424-88.000.
Murrell, Lawrence L.; and Dispenziere, Nicholas C., Jr., to Exxon Research and Engineering Company. Preparation and use of catalysts comprising a mixture of tungsten oxide and silica supported on a boehmite-like surface. 4,831,007, 5-16-89, Cl. 502-254.000.
Murry, Michael: *See—*
  Gordon, Alan J.; Bowman, David J.; Lockett, Jeffrey E.; and Murry, Michael, 4,834,019, Cl. 118-423.000.
Murry, Roger P.; Silver, Alexander; and Fischer, Richard L., to Allied-Signal Inc. Surge control system for a closed cycle cryocooler. 4,835,979, 6-6-89, Cl. 62-172.000.
Mursinna, Richard: *See—*
  Matthias, Brian P.; Mursinna, Richard; and Gravitz, Daniel, 4,808,837, Cl. 290-54.000.
Mursinna, Richard C.: *See—*
  Matthias, Brian P.; Mursinna, Richard C.; and Galasan, Felixberto A., 4,821,665, Cl. 114-222.000.

Thatcher, Herbert vH.; Mursinna, Richard C.; and Tackabery, Richard E., 4,860,038, Cl. 354-64.000.
Murtfeldt, Robert L.: *See—*
Mayhan, Kenneth G.; Romo, Bernice I.; Murtfeldt, Robert L.; and Bertrand, William J., 4,863,445, Cl. 604-317.000.
Murtha, James A.: *See—*
Harbaugh, Thomas D.; Murtha, James A.; and Podobnik, Michael E., 4,832,900, Cl. 376-259.000.
Murtha, John L.: *See—*
Radebaugh, Galen W.; Murtha, John L.; and Glinecke, Robert, 4,820,522, Cl. 424-468.000.
Murthi, Enjeti: *See—*
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Murthy, D. V. Krishna: *See—*
Muchowski, Joseph M.; Greenhouse, Robert; Young, John; and Murthy, D. V. Krishna, 4,833,155, Cl. 514-423.000.
Murthy, Kuchi S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, to Warner-Lambert Company. Drug compositions stabilized against oxidation. 4,830,853, 5-16-89, Cl. 424-440.000.
Murthy, Kuchi S.: *See—*
Song, Suk-Zu; Mehta, Surendra C.; Murthy, Kuchi S.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,851,545, Cl. 548-543.000.
Murthy, Malalur V.: *See—*
Luxon, Bruce A.; Murthy, Malalur V.; and Panasy, Craig W., 4,818,615, Cl. 428-407.000.
Murthy, Parvathi S.: *See—*
Michl, Josef; and Murthy, Parvathi S., 4,864,537, Cl. 365-127.000.
Murthy, Vadiraja V.: *See—*
Freundlich, Lawrence F.; Murthy, Vadiraja V.; and Karmen, Arthur, 4,857,454, Cl. 435-7.000.
Murti, Dasarao K.: *See—*
Frechet, Jean M. J.; Gauthier, Sylvie; Limburg, William W.; Loutfy, Rafik O.; Murti, Dasarao K.; and Spiewak, John W., 4,801,517, Cl. 430-59.000.
Ong, Beng S.; Murti, Dasarao K.; and Fuller, John R. C., 4,820,601, Cl. 430-58.000.
Ong, Beng S.; Keoshkerian, Barkev; and Murti, Dasarao K., 4,835,081, Cl. 430-59.000.
Ong, Beng S.; and Murti, Dasarao K., 4,845,263, Cl. 558-427.000.
Ong, Beng S.; Fuller, John R. C.; and Murti, Dasarao K., 4,853,308, Cl. 430-59.000.
Murty, Balarama V., to General Motors Corporation. Electric, variable damping vehicle suspension. 4,815,575, 3-28-89, Cl. 188-299.000.
Murugesan, Natesan; and Guiducci, Mariano, to FMC Corporation. Benzylaminooxymethyl methylpropanoic acid herbicides. 4,855,480, 8-8-89, Cl. 560-29.000.
Murumoto, Katsuji: *See—*
Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
Musa, Ikuo, to Mitsubishi Denki Kabushiki Kaisha. Navigation apparatus for vehicle. 4,827,420, 5-2-89, Cl. 364-449.000.
Musa, Ikuo: *See—*
Hara, Toshiro; Fujimoto, Takanori; and Musa, Ikuo, 4,875,452, Cl. 123-488.000.
Musacchio, John; Bergkuist, Carolyn; Manzoni, Angelo; and Premoli, Pietro, to Fisher Scientific Company. Concurrent analysis of a fluid sample for calcium and a monovalent ion. 4,870,024, 9-26-89, Cl. 436-74.000.
Musallam, Hikmat A.: *See—*
Field, Lamar; Musallam, Hikmat A.; Macke, Jeffrey D.; and Srivastava, Pramod K., 4,883,890, Cl. 558-61.000.
Musarra, Vicent: *See—*
Bianchini, William L.; Infantino, Robert; and Musarra, Vicent, 4,835,884, Cl. 36-24.500.
Musashi Engineering Kabushiki Kaisha: *See—*
Kawano, Hikaru; and Sato, Koji, 4,817,804, Cl. 209-534.000.
Muscanelli, Peter R. Bottle holder. 4,798,286, 1-17-89, Cl. 206-150.000.
Muscat, Peter P. Tonneau cover mechanism for convertible automobiles. 4,799,729, 1-24-89, Cl. 296-136.000.
Muscat, Peter P. Convertible top automobile with vertically movable tail gate. 4,818,009, 4-4-89, Cl. 296-106.000.
Muscat, Peter P. Convertible top frame with quarter windows. 4,828,317, 5-9-89, Cl. 296-122.000.
Muscat, Peter P. Latching system for a convertible top. 4,830,425, 5-16-89, Cl. 296-107.000.
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Musch, Bruno: *See—*
Gueremy, Claude; Maillard, Francoise; and Musch, Bruno, 4,882,345, Cl. 514-367.000.
Musch, Rudiger; Muller, Eberhard; Hohmann, Gerhard; and Schabel, Karl-Heinz, to Bayer Aktiengesellschaft. Process for the preparation of polychloroprene. 4,857,616, 8-15-89, Cl. 526-204.000.
Muschalik, Gerald, to VDO Adolf Schindling AG. Throttle-butterfly connector piece for an internal combustion engine. 4,836,163, 6-6-89, Cl. 123-337.000.
Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard, to Norddeutsche Affinerie Aktiengesellschaft. Apparatus for the pyrometallurgical processing of fine-grained solids. 4,871,147, 10-3-89, Cl. 266-182.000.
Muschiatti, Lawrence C.: *See—*
Harrell, Jerald R.; and Muschiatti, Lawrence C., 4,839,412, Cl. 524-436.000.
Muschner, Udo, to Didier-Werke AG. Method of repairing or renewing a worn refractory plate of a sliding closure unit. 4,801,055, 1-31-89, Cl. 222-590.000.
Muschong, Gunther: *See—*
Amrhein, Reinhard; Heid, Walter; and Muschong, Gunther, 4,832,081, Cl. 137-625.380.
Musco, Vincent A.; Kelley, Donald E.; and Hansen, Carl O., to Rohm and Haas Company. Method of selectively controlling weeds in crops of cereals. 4,857,101, 8-15-89, Cl. 71-94.000.
Muse, Joel; Grimm, Donald C.; Dillon, Jerry J.; Cottman, Kirkwood S.; and Bennett, Calvin A., to Goodyear Tire & Rubber Company, The. Gel prevention in polymers. 4,847,313, 7-11-89, Cl. 324-291.000.
Muse, Joel, Jr.; and Colvin, Howard A., to Goodyear Tire & Rubber Company, The. Polymer alloy. 4,855,362, 8-8-89, Cl. 525-194.000.
Musemeci, Salvatore, to SGS-ATES Componenti Elettronici S.p.A. Bipolar power transistor having bypassable incorporated-base ballast resistance. 4,800,416, 1-24-89, Cl. 357-34.000.
Musetti, Louis J. Pocket ashtray. 4,809,715, 3-7-89, Cl. 131-256.000.
Musetti, Louis J. Retractable leash. 4,887,551, 12-19-89, Cl. 119-109.000.
Musgrave, Daniel D. Magazine carrier for use on firearms or other support. 4,799,323, 1-24-89, Cl. 42-90.000.
Musgrove, Donavon E.: *See—*
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Musha, Atsushi: *See—*
Yoshida, Shigeyuki; Musha, Atsushi; and Nonami, Takayuki, 4,876,714, Cl. 379-433.000.
Musha, Shuji: *See—*
Ujihara, Toshihide; Sakurada, Shuroku; Sakaue, Tadashi; and Musha, Shuji, 4,868,625, Cl. 357-38.000.
Musha, Toshimitsu, to Olympus Optical Company, Ltd. Method and apparatus for measuring immunological reaction with the aid of phase-modulation of light. 4,799,796, 1-24-89, Cl. 356-336.000.
Mushall, Susan G.: *See—*
Miller, Charles H.; Mansolillo, Robert D.; Kaminski, Stanley J.; and Mushall, Susan G., 4,844,849, Cl. 264-46.400.
Mushardt, Heinrich; and Plahn, Dieter, to Korber AG. Mounting for rotary tools. 4,809,465, 3-7-89, Cl. 51-168.000.
Mushardt, Heinrich, to Korber AG. Method of grinding arcuate surfaces of workpieces. 4,813,187, 3-21-89, Cl. 51-281.00R.
Mushardt, Heinrich; Uhlig, Uwe; and Bleich, Ralf, to Korber AG. Apparatus for breaking up cast fixtures. 4,827,583, 5-9-89, Cl. 29-33.00R.
Mushika, Sadahiko, to Aisin Seiki Kabushiki Kaisha. Medical appliance driving apparatus. 4,794,910, 1-3-89, Cl. 600-18.000.
Mushika, Sadahiko, to Aisin Seiki Kabushiki Kaisha. Drive unit for medical pump. 4,796,606, 1-10-89, Cl. 600-18.000.
Mushines, Anthony, to Mushines, Dorothy P.; Banker, Sandra E.; and Mushines, Gerald M., a part interest. System for converting heat to kinetic energy. 4,843,824, 7-4-89, Cl. 60-667.000.
Mushines, Dorothy P.: *See—*
Mushines, Anthony, 4,843,824, Cl. 60-667.000.
Mushines, Gerald M.: *See—*
Mushines, Anthony, 4,843,824, Cl. 60-667.000.
Mushinski, Roger J.; Lewis, Charles E.; and Casey, Lawrence J., to Appleton Papers Inc. Interleaved spiral wrapping of foam product and stretch film for packaging carbonless paper rolls. 4,884,385, 12-5-89, Cl. 53-399.000.
Mushiroi, Takeshi: *See—*
Kimura, Kiyoshi; Ogasawara, Takashi; and Mushiroi, Takeshi, 4,877,784, Cl. 514-227.800.
Musholm Lax A/S: *See—*
Malmbak-Kjeldsen, Kurt, 4,811,692, Cl. 119-3.000.
Mushrush, Kenneth W.: *See—*
Damico, Dennis J.; Mushrush, Kenneth W.; and Bennett, Ruth M., 4,857,131, Cl. 156-331.400.
Mushy, Roman Y.: *See—*
Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.
Mushya, Takashi, to Nifco, Inc. Mounting member. 4,883,382, 11-28-89, Cl. 403-405.100.
Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Method and system for compressing color video data. 4,816,901, 3-28-89, Cl. 358-13.000.
Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Method and system for decompressing color video slope encoded data. 4,843,466, 6-27-89, Cl. 358-133.000.
Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Video telecommunication system and method for compressing and decompressing digital color video data. 4,847,677, 7-11-89, Cl. 358-13.000.
Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Method and system for compressing color video feature encoded data. 4,849,807, 7-18-89, Cl. 358-13.000.
Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Method and system for decompressing color video feature encoded data. 4,857,991, 8-15-89, Cl. 358-13.000.

Music, John; Smith, Gordon H.; and Thomas, James L., to Universal Video Communications Corp. Method and system for decompressing digital color video statistically encoded data. 4,857,993, 8-15-89, Cl. 358-13.000.
Musicante, Neil J.: *See—*
DeLucia, R. Ralph; Rockot, David W.; Wolf, Daniel J.; Musicante, Neil J.; and Pike, Thomas A., 4,864,569, Cl. 371-19.000.
Musikant, Barry L.: *See—*
Deutsch, Allan S.; and Musikant, Barry L., 4,824,371, Cl. 433-189.000.
Musil, Edward C., to Flexible Steel Lacing Company. Fastener for harvester belts. 4,815,587, 3-28-89, Cl. 198-728.000.
Musil, James C.; and Zahuranec, Emery J., to Crawford Fitting Company. Workpiece holder and saw guide device. 4,796,877, 1-10-89, Cl. 269-87.200.
Musil, Joseph E., to Cedarapids, Inc. Three-point suspension for bituminous pavers. 4,801,218, 1-31-89, Cl. 404-84.000.
Musil, Joseph E. Reverse flow post-mixer attachment and method for direct-fired asphaltic concrete drum mixers. 4,813,784, 3-21-89, Cl. 366-24.000.
Musiol, Werner; Knecht, Klaus; and Henzel, Norbert, to Siemens Aktiengesellschaft. Apparatus for storing nuclear reactor fuel assemblies in a water pit. 4,847,042, 7-11-89, Cl. 376-316.000.
Musk, Robert W.: *See—*
Hamerslag, James D.; and Musk, Robert W., 4,854,659, Cl. 350-96.150.
Muskin, Inc.: *See—*
Anderson, George F., 4,846,972, Cl. 210-238.000.
Muskulus, Willi; Kolodziej, Helmut; and Nitsch, Helmut, to Statomat-Globe Maschinenfabrik GmbH. Method and apparatus for cutting cables to length from a cable supply and processing the cable ends. 4,852,249, 8-1-89, Cl. 29-825.000.
Muss, Peter: *See—*
Fink, Hans-Ferdi; Berger, Roland; Heilen, Wernfried; and Muss, Peter, 4,886,551, Cl. 106-183.000.
Musschoot, Albert, to General Kinematics Corporation. Pneumatic controls for oscillating discharge chute. 4,842,124, 6-27-89, Cl. 198-360.000.
Musschoot, Albert, to General Kinematics Corporation. Mass flow spiral with absorber drive. 4,858,749, 8-22-89, Cl. 198-756.000.
Musschoot, Albert, to General Kinematics Corporation. Omniaxis apparatus for processing particulates and the like. 4,859,070, 8-22-89, Cl. 366-114.000.
Musseau, Joel: *See—*
Mayeux, Marcel; Lallier, Christian; and Musseau, Joel, 4,821,616, Cl. 83-355.000.
Musseau, Olivier; and Deschazeaux, Gerard, to Commissariat a l'Energie Atomique. Apparatus for irradiating electronic circuits. 4,839,586, 6-13-89, Cl. 324-158.00F.
Musselmann, Walter: *See—*
Bahr, Theodor; Thumm, Helmut; and Musselmann, Walter, 4,818,338, Cl. 162-4.000.
Meinecke, Albrecht; and Musselmann, Walter, 4,880,532, Cl. 209-268.000.
Musser, Arlene K., to Minnesota Mining and Manufacturing Company. Low gain positive acting diazo oxide pre-press proofing system with polyvinyl ether and particulate slip agent in adhesive layer. 4,889,787, 12-26-89, Cl. 430-166.000.
Musser, David R.: *See—*
Premerlani, William J.; Musser, David R.; and Narendran, Paliath, 4,872,126, Cl. 364-578.000.
Musser, James G.; and Beebe, J. Ted, to Knusaga Corporation. Seat riser. 4,865,377, 9-12-89, Cl. 296-65.100.
Musser, Jeffrey V.: *See—*
Cathey, David A.; Freeman, John C.; Dale, James; Crane, William J., Powell, Eric A.; and Musser, Jeffrey V., 4,859,304, Cl. 204-298.000.
Musser, John H.; Bender, Reinhold H. W.; and Kreft, Anthony F., III, to American Home Products Corporation. 2-aryl substituted heterocyclic compounds as antiallergic and antiinflammatory agents. 4,826,990, 5-2-89, Cl. 548-203.000.
Musser, John H., to American Home Products Corporation. Aminoguanidine derivative as anti-inflammatory agents. 4,870,210, 9-26-89, Cl. 564-228.000.
Musser, John H.; Kreft, Anthony F., III; and Bender, Reinhold H. W., to American Home Products Corporation. Quinoline compounds. 4,876,346, 10-24-89, Cl. 546-172.000.
Musser, John H., to American Home Products Corporation. Aminoguanidine derivatives. 4,889,935, 12-26-89, Cl. 546-176.000.
Musser, John H.: *See—*
McGregor, William H.; Marshall, Lisa A.; and Musser, John H., 4,845,292, Cl. 564-353.000.
Musser, Kevin E.; and White, Craig W., to Automotive Systems Laboratory, Inc. Firing circuit for a vehicle passenger restraint system. 4,851,705, 7-25-89, Cl. 307-10.100.
Musser's Potato Chips, Inc.: *See—*
August, Joseph R., 4,800,090, Cl. 426-243.000.
Mussig, Bernhard; Meyer, Rolf-Volker; Brassat, Bert; and Dhein, Rolf, to Bayer Aktiengesellschaft. High impact polyamides. 4,820,771, 4-11-89, Cl. 525-183.000.
Mussig, Karl: *See—*
Dippert, Rainer; and Mussig, Karl, 4,829,920, Cl. 112-288.000.
Mussinelli, Gian L.: *See—*
Bianchi, Giuseppe; Mussinelli, Gian L.; and Bazzoni, Bruno, 4,795,539, Cl. 204-147.000.
Mussler, James M.; and Arnold, Jane P., to Westinghouse Electric Corp. Method for calculating the rate of frequency of random events. 4,837,705, 6-6-89, Cl. 364-484.000.
Mussler, James M.; and Neuner, James A., to Westinghouse Electric Corp. Method of compactly storing digital data. 4,849,930, 7-18-89, Cl. 364-900.000.
Mussmann, Sara M.: *See—*
Andrejasich, Raymond J; Slocum, Laurence S.; and Mussmann, Sara M., 4,835,522, Cl. 340-521.000.
Mussner, Renate: *See—*
Klotzer, Wilhelm; Link, Helmut; Mussner, Renate; Schiestl, Werner; and Singewald, Nicolas, 4,814,332, Cl. 514-235.800.
Link, Helmut; Montavon, Marc; Karpitschka, Eva M.; Klotzer, Wilhelm; and Mussner, Renate, 4,831,151, Cl. 514-398.000.
Musso, Charles S., Jr.; and Musso, Tom W., to Air-Flo Mfg. Co. Inc. Dump truck with integrated spreader system. 4,886,214, 12-12-89, Cl. 239-676.000.
Musso, Francois: *See—*
Wursch, Pierre; Musso, Francois; and Goulois, Eric, 4,853,248, Cl. 426-634.000.
Musso, Gary F.; and Ghosh, Soumitra, to Siska Diagnostics, Inc. Compounds for tagging nucleic acid probes. 4,833,251, 5-23-89, Cl. 548-303.000.
Musso, Gary F.; and Kaiser, Emil T., to Salk Institute Biotechnology/Industrial Associates, Inc., The. Vasoactive intestinal peptide analogs. 4,835,252, 5-30-89, Cl. 530-324.000.
Musso, Tom W.: *See—*
Musso, Charles S., Jr.; and Musso, Tom W., 4,886.214, Cl. 239-676.000.
Musson, Robert A.: *See—*
Bevers, Morey S.; Amaro, Michael G.; and Musson, Robert A., 4,852,145, Cl. 379-27.000.
Mustaev, Ilyas A.: *See—*
Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.
Mustafa, Mehmet: *See—*
Tweedy, Ernest P.; Lin, Eric C. W.; Eichelberger, George P.; and Mustafa, Mehmet, 4,816,905, Cl. 358-86.000.
Mustain. Lewis B., to Liebel-Flarsheim Company. Method and apparatus for taking tomographic X-rays. 4,829,547, 5-9-89, Cl. 378-21.000.
Mustain, Lewis B.: *See—*
Dieterlen, Paul E.; and Mustain, Lewis B., 4,845,733, Cl. 378-177.000.
Mustalampi, Reino: *See—*
Harkonen, Jouko; and Mustalampi, Reino, 4,829,626, Cl. 15-314.000.
Mustard, Larry D. Baling machine and method of forming a bale. 4,846,055, 7-11-89, Cl. 100-35.000.
Mustich, Giuseppe: *See—*
Bomardelli, Ezio; and Mustich, Giuseppe, 4,870,179, Cl. 546-67.000.
Musto, Dominick: *See—*
Ernst, James; Williamson, Steven; Rogers, George; and Musto, Dominick, 4,861,270, Cl. 434-226.000.
Musumeci, Salvatore; and Zambrano, Raffaele, to SGS-Thomson Microelectronics S.p.A. Manufacturing process for a monolithic integrated semiconductor device having multiple epitaxial layers with a low concentration of impurities. 4,889,822, 12-26-89, Cl. 437-31.000.
Musumeci, Salvatore: *See—*
Gandolfi, Luciano; and Musumeci, Salvatore, 4,805,004, Cl. 357-53.000.
Musumiya, Raita; and Minakawa, Masaaki, to Honda Giken Kogyo Kabushiki Kaisha. Pedal bracket assembly and method of installing same on structural body. 4,819,500, 4-11-89, Cl. 74-513.000.
Musyck, Emile P.; Binard, Luc A.; and Coupe, Bernard G., to Centre d'Etude de l'Energie Nucleaire, "C.E.N.". Method and apparatus for checking the authenticity of individual-linked documents and the identity of the holders thereof. 4,816,655, 3-28-89, Cl. 235-380.000.
Muszak, Martin F.; and Shaw, James D., to Eastman Kodak Company. Mounting of analyzer sample tray. 4,795,710, 1-3-89, Cl. 435-287.000.
Muszak, Martin F., to Eastman Kodak Company. Stopper remover apparatus. 4,876,926, 10-31-89, Cl. 81-3.200.
Muszak, Martin F.: *See—*
Salzman, Catherine A.; and Muszak, Martin F., 4,857,471, Cl. 436-43.000.
Muszik, Janos: *See—*
Bachem, Henning; Muszik, Janos; Schroer, Wolf-Dieter; and Suling, Carlhans, 4,857,586, Cl. 524-845.000.
Muta, Fusao: *See—*
Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.
Muta, Tenshiro: *See—*
Yamamoto, Tetsuo; Hayashi, Hiroshi; Muta, Tenshiro; Hori, Yoshisada; and Kubo, Katsushi, 4,842,957, Cl. 428-622.000.
Muta, Yuji: *See—*
Satow, Aritomo; Masuda, Shinichi; Sugimoto, Kazuyoshi; and Muta, Yuji, 4,886,434, Cl. 418-55.00D.
Mutai, Masahiko: *See—*
Ishiwa, Hiromi; Shibahara, Harue; Mutai, Masahiko; and Tsuchida, Nobuo, 4,876,202, Cl. 435-320.000.
Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, 4,859,488, Cl. 426-658.000.

Mutchler, Paul A., to Engineered Air Systems, Inc. Steady state fuel burner assembly for a heat exchanger and method of operating same. 4,875,851, 10-24-89, Cl. 431-6.000.

Mutech - Music Technologies, Inc.: *See—*
  Bertram, Howard W., 4,881,443, Cl. 84-473.000.

Muterspaugh, Max W., to RCA Licensing Corporation. Transistor mixer. 4,850,039, 7-18-89, Cl. 455-333.000.

Muterspaugh, Max W.: *See—*
  Hietala, Alexander W.; and Muterspaugh, Max W., 4,851,798, Cl. 334-66.000.

Muth, James C., to Spacesaver Corporation. Shelf divider. 4,809,856, 3-7-89, Cl. 211-184.000.

Muth, Ross R.: *See—*
  Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,839,130, Cl. 264-235.000
  Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,844,854, Cl. 264-23[illegible].000.

Muth, Stephan R. W.; and Vollath, Guenter, to VanDam Inc. Sheet folding method and apparatus. 4,826,212, 5-2-89, Cl. 283-34.000.

Muther, Manfred: *See—*
  Heubeck, Erich; Gunther, Werner; Muther, Manfred; and Werner, Leonhard, 4,813,060, Cl. 378-39.000.

Muto, Kazuhiko, to Canon Kabushiki Kaisha. Reverse biased photo-sensing semiconductor and op amp arrangement wherein the two load resistors of the operational amplifier unbalance the two transistors. 4,853,530, 8-1-89, Cl. 250-214.00A.

Muto, Kenkichi: *See—*
  Yamashita, Hiroshi; and Muto, Kenkichi, 4,885,350, Cl. 526-201.000.

Muto, Masaaki; Kato, Takashi; and Ito, Takashi, to Fujitsu Limited. Method for adhesion of silicon or silicon dioxide plate. 4,826,787, 5-2-89, Cl. 437-208.000.

Muto, Satomi: *See—*
  Susa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, 4,809,773, Cl. 165-104.320.

Muto, Shunichi: *See—*
  Inata, Tsug[illegible]; Muto, Shunichi; and Fujii, Toshio, 4,825,264, Cl. 357-4.000

Muto, Tadanobu: *See—*
  Kashiwada, Ken; Muto, Tadanobu; and Sasaki, Tetsuo, 4,874,035, Cl. 165-38.000.

Muto, Takao, to Mitsubishi Denki Kabushiki Kaisha. Station platform observation method. 4,807,027, 2-21-89, Cl. 358-108.000.

Muto, Takashi, to Daido Metal Company Ltd. Composite sliding structure. 4,877,696, 10-31-89, Cl. 428-645.000.

Muto, Tetsuji; Matsuda, Shohei; Iwagawa, Yoshihiro; and Yahagi, Toshio, to Honda Giken Kogyo Kabushiki Kaisha. Anti-lock control method for vehicle. 4,802,711, 2-7-89, Cl. 303-96.000.

Muto, Tetsuji, to Honda Giken Kogyo Kabushiki Kaisha. Anti-lock control method for vehicle. 4,836,619, 6-6-89, Cl. 303-109.000.

Muto, Tetsuji: *See—*
  Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.
  Sato, Makoto; Shiraishi, Shuji; and Muto, Tetsuji, 4,873,639, Cl. 364-426.020.

Muto, Tomoyoshi: *See—*
  Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, 4,805,419, Cl. 62-476.000.

Muto, Toshimi: *See—*
  Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.

Muto, Yoshio; Takahashi, Mitsuo; and Asako, Koji, to Copal Co., Ltd. Disk cartridge shutter opening and closing mechanism. 4,811,137, 3-7-89, Cl. 360-77.200.

Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, to Tokyo Automatic Machinery Works, Ltd.; and Japan Tobacco Inc. Apparatus for splicing a replacement web to a moving web. 4,848,691, 7-18-89, Cl. 242-58.100.

Muto, Yoshiyuki: *See—*
  Shigeta, Toshio; Muto, Yoshiyuki; and Etani, Tadao, 4,840,320, Cl. 242-58.000.

Muto, Yukiyoshi: *See—*
  Kurokawa, Yuji; Yoshikawa, Masataka; Kato, Takao; Kikukawa, Hiroyuki; and Muto, Yukiyoshi, 4,804,280, Cl. 400-17.000.

Mutoh, Hideki, to Fuji Photo Film Co., Ltd. Solid-state image pickup device. 4,860,326, 8-22-89, Cl. 377-58.000.

Mutoh, Hideki: *See—*
  Shizukuishi, Makoto; Mutoh, Hideki; and Kondo, Ryuji, 4,866,002, Cl. 437-34.000.

Mutoh, Kiyoyuki; Satoh, Kazushi; and Kobayashi, Kouichirou, to Shin-Etsu Chemical Co., Ltd. Method for the preparation of an organopolysiloxane. 4,855,381, 8-8-89, Cl. 528-23.000.

Mutoh, Masayuki, to Minolta Camera Kabushiki Kaisha. Tone reproducible ink jet printer. 4,851,860, 7-25-89, Cl. 346-75.000.

Mutoh, Naoto; and Ojima, Juji, to Fuji Jukogyo Kabushiki Kaisha; and NHK Spring Co., Ltd. Automatic belt tensioner. 4,838,840, 6-13-89, Cl. 474-138.000.

Mutone, Gioacchino A.: *See—*
  Klein, Frederick F.; and Mutone, Gioacchino A., 4,819,148, Cl. 363-161.000.

Mutou, Kouichi: *See—*
  Imai, Tooru; Mutou, Kouichi; Yamazaki, Hidetoshi; and Maruta, Masae, 4,797,865, Cl. 369-39.000.

Mutou, Nariaki: *See—*
  Miyamoto, Eiichi; Mutou, Nariaki; and Nakazawa, Tooru, 4,877,702, Cl. 430-72.000.

Mutou, Tadanobu: *See—*
  Usman, Pulukadang F.; and Mutou, Tadanobu, 4,805,249, Cl. 5-90.000.

Mutsaers, Cornelis A. H. A.: *See—*
  De Leeuw, Dagobert M.; Klaassen, Dirk B. M.; and Mutsaers, Cornelis A. H. A., 4,859,902, Cl. 313-474.000.

Mutschall, Hugo: *See—*
  Focke, Heinz; and Mutschall, Hugo, 4,843,798, Cl. 53-453.000.

Mutschlechner, Hermann; Platzer, Herbert; and Pavlovsky, Rudolf, to George Fischer Limited. Device for casting, particularly converter for casting and/or post-treating molten metal. 4,817,919, 4-4-89, Cl. 266-245.000.

Mutschlechner, Johann: *See—*
  Wohlleben, Rudolf; and Mutschlechner, Johann, 4,873,534, Cl. 342-786.000.

Mutschler, Ernst: *See—*
  Hofmann, Ingrid; Mutschler, Ernst; and Christner, Angelika, 4,874,763, Cl. 514-249.000.

Mutschler, Gerda: *See—*
  Benz, Gerhard; Mutschler, Gerda; and Schneider, Gunter, 4,830,873, Cl. 427-35.000.

Mutsuddy, Beebhas C.: *See—*
  Melling, Peter J.; Mutsuddy, Beebhas C.; and Sekercioglu, Ibrahim, 4,806,330, Cl. 423-412.000.

Mutt, Viktor: *See—*
  Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thelin, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.
  Gafvelin, Guro; Carlquist, Mats; and Mutt, Viktor, 4,840,785, Cl. 424-9.000.

Mutter, Heinz; Schneeberger, Ruedi; and Holbein, Erwin, to Maschinenfabrik Rieter AG. Tube gripping system for a winder chuck. 4,830,299, 5-16-89, Cl. 242-46.400.

Mutti, Donald O.: *See—*
  Seger, Ronald G.; and Mutti, Donald O., 4,820,038, Cl. 351-160.00H.

Mutton, Jon C., to Tektronix, Inc. Relay for wideband signals. 4,839,619, 6-13-89, Cl. 335-125.000.

Muttoni, Mario, to Spidem S.r.L. Percolator holding pan for espresso coffee making machines. 4,882,982, 11-28-89, Cl. 99-295.000.

Mutzabaugh, Dennis: *See—*
  Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis; and Sgrignoli, Gary J., 4,817,144, Cl. 380-20.000.

Mutzabaugh, Dennis M.: *See—*
  Citta, Richard W.; Eck, John P.; and Mutzabaugh, Dennis M., 4,802,213, Cl. 380-7.000.
  Citta, Richard W., Gosc, Paul M.; Mutzabaugh, Dennis M.; and Sgrignoli, Gary J., 4,876,718, Cl. 380-42.000.
  Citta, Richard W.; Long, Michael E.; and Mutzabaugh, Dennis M., 4,885,776, Cl. 380-15.000.

Mutzel, Wolfgang: *See—*
  Gries, Heinz; and Mutzel, Wolfgang, 4,869,913, Cl. 426-548.000.

Mutzell, Theodor. Overwater pressure jet massage apparatus. 4,853,988, 8-8-89, Cl. 4-615.000.

Muuss, Peter: *See—*
  Callsen, Hans; and Muuss, Peter, 4,856,143, Cl. 17-11.000.

Muylle, Michel: *See—*
  Luteijn, Cornelis P.; Muylle, Michel; and Sanders, Carolus T., 4,842,718, Cl. 208-308.000.

Muylle, Wilfried E.: *See—*
  Buelens, Edward; and Muylle, Wilfried E., 4,865,196, Cl. 206-409.000.

Muyskens, David B., to White Consolidated Industries, Inc. Appliance shipping container with integral corner posts. 4,811,840, 3-14-89, Cl. 206-320.000.

Muz, Edwin, to Nicolay GmbH. Cable with moisture resistant tinsel conductors. 4,835,340, 5-30-89, Cl. 174-119.00R.

Muz, Edwin, to Nicolay GmbH. Contact device for making an electrically conductive connection. 4,842,557, 6-27-89, Cl. 439-851.000.

Muz, Edwin, to Nicolay GmbH. Socket for a multipolar plug connector for direct soldering onto or into a printed circuit board. 4,869,691, 9-26-89, Cl. 439-686.000.

Muzio, Lawrence J.: *See—*
  Thompson, Richard E.; and Muzio, Lawrence J., 4,795,586, Cl. 252-188.100.

Muzslay, Steven Z., to ITT Corporation. Stacking connector. 4,806,105, 2-21-89, Cl. 439-74.000.

Muzslay, Steven Z., to ITT Corporation. Electrical connector adapter. 4,820,199, 4-11-89, Cl. 439-599.000.

Muzslay, Steven Z., to ITT Corporation. Connector latching arrangement. 4,828,510, 5-9-89, Cl. 439-352.000.

Muzslay, Steven Z., to ITT Corporation. Barrier wall connector. 4,840,585, 6-20-89, Cl. 439-556.000.

Muzzarelli, Riccardo, to Consiglio Nazionale Delle Ricerche. Substituted and crosslinked glucans, process and intermediates for preparing them and use thereof. 4,835,265, 5-30-89, Cl. 536-18.700.

MW Trading APS: *See—*
  Holmgren, Kjell Ake B., 4,819,797, Cl. 206-309.000.

MWB Messwandler-Bau AG: *See—*
  Dippel, Hans-Jurgen, 4,835,918, Cl. 52-63.000.

  Preissinger, Norbert; and Eberlein, Hermann, 4,845,453, Cl. 336-84.00C.

Myakinenkov, Vladimir I.: *See—*
  Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.

Mychajlowskij, Walter: *See—*
  Martin, Trevor I.; Breton, Marcel P.; Branston, Randolph E.; Moffat, Karen A.; and Mychajlowskij, Walter, 4,855,209, Cl. 430-126.000.

Mycogen Corporation: *See—*
  Barnes, Andrew C.; and Edwards, David L., 4,861,595, Cl. 424-195.100.
  Herrnstadt, Corinna; and Soares, George G., 4,797,276, Cl. 424-84.000.
  Herrnstadt, Corinna; and Wilcox, Edward, 4,853,331, Cl. 435-252.100.
  Herrnstadt, Corinna; and Wilcox, Edward, 4,865,981, Cl. 435-252.300.
  Riley, Joe A., 4,871,386, Cl. 71-79.000.
  Soares, George G.; Everich, Robert C.; and Payne, Jewel, 4,849,217, Cl. 424-93.000.

Mycro Group Co.: *See—*
  Gordin, Myron K., 4,816,974, Cl. 362-261.000.
  Jones, Robert D., 4,811,181, Cl. 362-287.000.

Mydill, Marc R., to Texas Instruments Incorporated. Dynamic timing reference alignment system. 4,855,969, 8-8-89, Cl. 368-120.000.

Mydill, Marc R.; and Powell, Theo J., to Texas Instruments Incorporated. Distributed pseudo random sequence control with universal polynomial function generator for LSI/VLSI test systems. 4,870,346, 9-26-89, Cl. 324-73.00R.

Myeeo, Billy. Reading material support stand. 4,832,303, 5-23-89, Cl. 248-444.100.

Myer, Jon H., to Hughes Aircraft Company. High speed laser marking system. 4,803,336, 2-7-89, Cl. 219-121.680.

Myer, Robert E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Amplifier with modulated resistor gain control. 4,873,492, 10-10-89, Cl. 330-86.000.

Myer, Robert E., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Predistortion compensated linear amplifier. 4,879,519, 11-7-89, Cl. 330-149.000.

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- Myers, Robert A.: *See—*
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  - MacLeay, Ronald E.; and Myers, Terry N., 4,857,596, Cl. 525-142.000.
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- Myslicki, Robert J.: *See—*
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- N.B. Bekaert S.A.: *See—*
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  - Abe, Masaki; Shiohara, Yukimitsu; Adaniya, Takeshi; and Naemura, Hiroshi, 4,839,241, Cl. 428-659.000.
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- Nagai, Hiroshi, to Kabushiki Kaisha Toshiba. Clock signal generating circuit for television receiver. 4,809,068, 2-28-89, Cl. 358-148.000.
- Nagai, Hiroshi: *See—*
  - Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
  - Ohkubo, Kazuo; Hayashi, Tadamasa; and Nagai, Hiroshi, 4,876,006, Cl. 210-321.690.
- Nagai, Hiroyuki: *See—*
  - Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, 4,835,492, Cl. 331-117.00D.
  - Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
  - Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.
  - Kubo, Kazuhiko; Saitou, Susumu; Usui, Akira; and Nagai, Hiroyuki, 4,861,941, Cl. 174-35.00R.
  - Usui, Akira; Kubo, Kazuhiko; and Nagai, Hiroyuki, 4,797,638, Cl. 331-117.00D.
  - Usui, Akira; Sakashita, Seiji; Fukui, Kiyotake; and Nagai, Hiroyuki, 4,806,876, Cl. 330-279.000.
- Nagai, Hisao; Nakagawa, Yuzi; Oomura, Katsurou; and Kimura, Shinichi, to Japan Synthetic Rubber Co., Ltd. Rubber-modified thermoplastic resin composition. 4,814,388, 3-21-89, Cl. 525-322.000.
- Nagai, Hitoshi: *See—*
  - Stein, Claude; Nagai, Hitoshi; Ueda, Akio; and Isomura, Satoru, 4,831,094, Cl. 526-283.000.
- Nagai, Isao: *See—*
  - Ueda, Yasuhiro; Nagai, Isao; Shinkai, Naruto; Nakazawa, Masaaki; and Terayama, Toshiki, 4,805,618, Cl. 128-346.000.
- Nagai, Katsumi; and Shinjyo, Akio, to Hokkai Can Co., Ltd. Apparatus for making a necked-in container with a double seam on container cover. 4,808,053, 2-28-89, Cl. 413-30.000.
- Nagai, Kayoko: *See—*
  - Tsubuko, Kazuo; and Nagai, Kayoko, 4,855,207, Cl. 430-109.000.
- Nagai, Keiichi; Tokinaga, Daizo; Imai, Kazumichi; Yasuda, Kenji; Takahashi, Satoshi; and Kobayashi, Teruaki, to Hitachi, Ltd. Immunoassay for measuring the concentration of antigen in a sample. 4,824,778, 4-25-89, Cl. 435-7.000.
- Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, to Hitachi Ltd.; and Hitachi VLSI Engineering Corp. A/D converter. 4,833,474, 5-23-89, Cl. 341-166.000.
- Nagai, Kiyoshi: *See—*
  - Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.
  - Okuyama, Hideaki; Kusumoto, Shigehiro; Watanabe, Keisuke; and Nagai, Kiyoshi, 4,852,958, Cl. 350-96.130.
- Nagai, Kiyotake: *See—*
  - Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, 4,800,435, Cl. 358-213.190.
- Nagai, Koichi: *See—*
  - Sezaki, Koji; Nagai, Koichi; and Sakauchi, Takashi, 4,879,055, Cl. 252-62.540.
- Nagai, Kunio: *See—*
  - Tsurumoto, Takashi; and Nagai, Kunio, 4,817,203, Cl. 455-603.000.
- Nagai, Kyuichiro; Kaku, Nobuyuki; and Ogiro, Kenji, to Hitachi, Ltd. Tape guide apparatus for helically wound tape. 4,837,646, 6-6-89, Cl. 360-85.000.
- Nagai, Masashi, to Snair Company, The. Extractor apparatus for removing articles from article forming machines. 4,795,124, 1-3-89, Cl. 249-66.100.
- Nagai, Minoru: *See—*
  - Ooe, Takashi; Nagai, Minoru; and Momotari, Yoshitaka, 4,810,572, Cl. 428-323.000.
- Nagai, Noboru; Hashimoto, Yoshisato; Tsuboike, Yoshihiko; and Kaito, Noboru, to Kioritz Corporation. Exhaust device for working machine. 4,872,308, 10-10-89, Cl. 60-316.000.
- Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, to Toda Kogyo Corp. Plate-like barium ferrite particles suitable for use in magnetic recording and process for producing the same. 4,806,429, 2-21-89, Cl. 428-403.000.
- Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, to Toda Kogyo Corp. Plate-like barium ferrite particles suitable for use in magnetic recording and process for producing the same. 4,851,292, 7-25-89, Cl. 428-403.000.
- Nagai, Ryo; Yoshimitu, Kazumi; Kajita, Kozo; and Odani, Noboru, to Hitachi Maxell, Ltd. Lithium secondary battery. 4,808,499, 2-28-89, Cl. 429-218.000.
- Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, to National House Industrial Co., Ltd.; Takasago Industry Co., Ltd.; and Intelhearts Co., Ltd. Method of producing a porous ceramic panel. 4,822,541, 4-18-89, Cl. 264-42.000.
- Nagai, Satoru: *See—*
  - Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi. Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.

Nagai, Tadao; and Sato, Kenichi, to TEAC Corporation. Optical recording and reproducing apparatus. 4,797,870, 1-10-89, Cl. 369-100.000.
Nagai, Tadao; Yamaguchi, Hirohisa; and Mashimo, Akira, to Teac Corporation. Information recording disc and information signal recording apparatus therefor. 4,802,159, 1-31-89, Cl. 369-275.000.
Nagai, Tadao; Yamaguchi, Hirohisa; and Mashimo, Akira, to Teac Corporation. Information recording disc and information signal recording apparatus therefor. 4,864,423, 9-5-89, Cl. 358-322.000.
Nagai, Tadao: *See—*
  Kawamura, Shinobu; and Nagai, Tadao, 4,866,541, Cl. 358-342.000.
  Tamemasa, Hiroshi; Makino, Hiroshi; and Nagai, Tadao, 4,863,510, Cl. 75-0.50A.
  Yamaguchi, Hirohisa; Usami, Horoshi; Nagai, Tadao; and Mashimo, Akira, 4,803,677, Cl. 369-44.000.
Nagai, Takaji; and Ohsako, Nobutaka, to Mitsuboshi Belting, Ltd. Toothed belt having improved tooth cover fabric. 4,832,673, 5-23-89, Cl. 474-263.000.
Nagai, Takaji: *See—*
  Nosaka, Sokichi; Hamura, Takeshi; and Nagai, Takaji, 4,813,919, Cl. 474-266.000.
Nagai, Takao, to Kabushiki Kaisha Komatsu Seisakusho. Steering system. 4,838,375, 6-13-89, Cl. 180-142.000.
Nagai, Takeshi: *See—*
  Fukuda, Hiroshi; Nagai, Takeshi; and Ohji, Kenzo, 4,808,293, Cl. 204-410.000.
Nagai, Teiji; Sakazume, Ryo; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, to Sapporo Breweries, Ltd.; and Scan Technology Co., Ltd. Print inspection method, print inspection apparatus and automatic print sorting system. 4,872,024, 10-3-89, Cl. 346-1.100.
Nagai, Tomoaki: *See—*
  Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,849,396, Cl. 503-210.000.
  Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,361, Cl. 503-201.000.
  Satake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, 4,853,362, Cl. 503-209.000.
  Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,853,363, Cl. 503-210.000.
  Satake, Toshimi; Nagai, Tomoaki; and Fujimura, Fumio, 4,861,749, Cl. 503-211.000.
  Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, 4,868,151, Cl. 503-209.000.
Nagai, Toshihiko; and Nakagawa, Tsuneo, to Nippon Colin Co., Ltd. Blood pressure cuff. 4,838,276, 6-13-89, Cl. 128-686.000.
Nagai, Toshinari; and Kayanuma, Nobuaki, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system carrying out learning control operation. 4,796,425, 1-10-89, Cl. 60-274.000.
Nagai, Toshinari; Masui, Takatoshi; and Katsuno, Toshiyasu, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having improved exhaust emission characteristics. 4,819,427, 4-11-89, Cl. 60-274.000.
Nagai, Toshinari, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for controlling air-fuel ratio in internal combustion engine. 4,823,270, 4-18-89, Cl. 364-431.050.
Nagai, Toshinari; Masui, Takatoshi; Satou, Yasushi; and Katsuno, Toshiyasu, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system carrying out learning control operation. 4,831,838, 5-23-89, Cl. 60-274.000.
Nagai, Toshinari: *See—*
  Kayanuma, Nobuaki; and Nagai, Toshinari, 4,809,501, Cl. 60-274.000.
Nagai, Toshitake: *See—*
  Tsukahara, Hitoshi; Kurokawa, Keiko; Tsukui, Toshimitsu; and Nagai, Toshitake, 4,876,070, Cl. 422-122.000.
Nagai, Tsuyoshi: *See—*
  Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, 4,814,153, Cl. 423-213.200.
Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, to Hitachi, Ltd. Semiconductor integrated circuit device. 4,885,628, 12-5-89, Cl. 357-68.000.
Nagai, Yoichiro; and Matsumoto, Hideyuki, to Mitsui Toatsu Chemicals, Incorporated. Ladder polysilanes. 4,841,083, 6-20-89, Cl. 556-430.000.
Nagai, Yoichiro; Nakano, Taichi; and Oomura, Yutaka, to Ajinomoto Co., Inc. Butyrolactone derivatives, process for production thereof and use therefor. 4,843,093, 6-27-89, Cl. 514-473.000.
Nagai, Yoshihiro, to Tokyo Nagai Co., Ltd. Label for food-containing can or the like. 4,887,845, 12-19-89, Cl. 283-81.000.
Nagai, Yutaka; Mihashi, Yutaka; Yagi, Tetsuya; and Ota, Yoichiro, to Mitsubishi Denki Kabushiki Kaisha. Method of producing a semiconductor laser. 4,829,023, 5-9-89, Cl. 437-129.000.
Nagai, Yutaka; Mihashi, Yutaka; and Ikeda, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser array with independently usable laser light emission regions formed in a single active layer. 4,833,510, 5-23-89, Cl. 357-17.000.
Nagai, Yutaka: *See—*
  Mihashi, Yutaka; Nagai, Yutaka; and Ikeda, Kenji, 4,841,535, Cl. 372-46.000.
Nagaike, Sadanori: *See—*
  Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.
  Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.
  Tsuchiya, Hiroshi; Karakama, Yoshiakira; Nagaike, Sadanori; Nakajima, Hiroyasu; and Chida, Kousaku, 4,796,126, Cl. 360-103.000.
Nagaishi, Hatsuo, to Nissan Motor Co., Ltd. Air/fuel ratio control system for internal combustion engine with asynchronous fuel delivery control. 4,841,937, 6-27-89, Cl. 123-492.000.
Nagaishi, Hatsuo, to Nissan Motor Co., Ltd. Fuel injection control system for internal combustion engine. 4,852,538, 8-1-89, Cl. 123-492.000.
Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, to Nissan Motor Company, Limited. Induction volume sensing arrangement for an internal combustion engine or the like. 4,873,641, 10-10-89, Cl. 364-431.040.
Nagaishi, Katsuya: *See—*
  Isoguchi, Seiichi; Murai, Yoshio; Takayama, Jun; and Nagaishi, Katsuya, 4,881,127, Cl. 358-213.190.
Nagakawa, Hiroshi: *See—*
  Kaneko, Masato; Nagakawa, Hiroshi; and Yamashita, Keiichi, 4,800,030, Cl. 252-32.500.
Nagakawa, Junichi: *See—*
  Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.
Nagaki, Hideyoshi: *See—*
  Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
Nagaki, Kazuyoshi: *See—*
  Nakamura, Yoshiaki; Marukawa, Kiichi; and Nagaki, Kazuyoshi, 4,841,022, Cl. 528-487.000.
Nagaki, Takehiro: *See—*
  Hayakawa, Masatoshi; Nagaki, Takehiro; Aso, Koichi; and Yamanoi, Hiroshi, 4,796,241, Cl. 369-13.000.
Nagaki, Takeshi: *See—*
  Kurokawa, Takumi; Nagaki, Takeshi; and Sekiguchi, Tomozo, 4,867,593, Cl. 401-186.000.
Nagakura, Toshio: *See—*
  Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, 4,864,632, Cl. 455-3.000.
Nagamatsu, Hidetoshi: *See—*
  Kurita, Toshinori; Enomoto, Masaaki; and Nagamatsu, Hidetoshi, 4,836,722, Cl. 409-132.000.
Nagamatsu, Hiroaki; and Ebisumoto, Takashige, to Mazda Motor Corporation. Speed ratio control for a step-lessly variable vehicle transmission. 4,796,489, 1-10-89, Cl. 74-868.000.
Nagamatsu, Hiroaki: *See—*
  Kuwahara, Wataru; Shirai, Etsuo; Nagamatsu, Hiroaki; and Moriyama, Kazuhiko, 4,862,760, Cl. 74-473.00R.
Nagamatsu, Hiroyuki: *See—*
  Murakami, Mitsuhiro; Mikami, Takahiro; Nagamatsu, Hiroyuki; and Tokuno, Mitsuji, 4,855,073, Cl. 252-39.000.
Nagamatsu, Kimiaki: *See—*
  Tanikuro, Hideo; and Nagamatsu, Kimiaki, 4,809,458, Cl. 43-17.500.
Nagamatsu, Shigeki: *See—*
  Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.
Nagamatsu, Sunao: *See—*
  Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, 4,853,546, Cl. 250-432.0PD.
Nagami, Tetsuo: *See—*
  Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Tomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.
Nagamine, Hiroto: *See—*
  Moriizumi, Hirokazu; and Nagamine, Hiroto, 4,868,046, Cl. 428-323.000.
Nagamine, Masashi; Hiraga, Kunikazu; Sakai, Atsushi; and Uchida, Matazaemon, to Nihon Nohyaku Co. Ltd. 1,3,5-trithian derivatives and pharmaceutical compositions. 4,816,475, 3-28-89, Cl. 514-435.000.
Nagamine, Yoshinori: *See—*
  Shiraishi, Yasuhiro; and Nagamine, Yoshinori, 4,881,019, Cl. 318-68.000.
Nagamori, Hiroyuki: *See—*
  Yamamoto, Yuzo; Nagamori, Hiroyuki; and Kitazawa, Kozo, 4,797,183, Cl. 204-16.000.
Nagamoto, Itsushi, to Yamaha Corporation. Wood-type golf club head. 4,795,159, 1-3-89, Cl. 273-171.000.
Nagamoto, Itsushi; Nakanishi, Tatsuo; and Tajima, Ryohei, to Yamaha Corporation. Golf club head. 4,824,116, 4-25-89, Cl. 273-171.000.
Nagamoto, Itsushi; Nakanishi, Tatsuo; and Yamashita, Tomoharu, to Yamaha Corporation. Method for producing a golf club head. 4,883,623, 11-28-89, Cl. 264-108.000.
Nagamoto, Itsushi: *See—*
  Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,798,383, Cl. 273-167.00H.
  Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,884,812, Cl. 273-167.00H.

Nagamoto, Mitsuki; and Shiomi, Masayuki, to Matsushita Electric Works, Ltd. Electromagnetic relay with pivotable armature. 4,825,179, 4-25-89, Cl. 335-80.000.
Nagan, Raymond M.; Marrero, Antulio D.; Naik, Rajeev V.; and Gleyzer, Victoria, to Interlake Corporation, The. Investment casting method and apparatus, and cast article produced thereby. 4,832,105, 5-23-89, Cl. 164-61.000.
Naganawa, Kazuo: *See—*
  Asano, Yoshikazu; and Naganawa, Kazuo, 4,853,782, Cl. 358-148.000.
Naganawa, Kazutomo: *See—*
  Oku, Seiji; Shimamura, Tooru; Naganawa, Kazutomo; and Tanamura, Toshiya, 4,875,042, Cl. 340-870.170.
Naganawa, Nobuhiko: *See—*
  Yamano, Minoru; Fujiwara, Hideo; Hayashi, Masashi; and Naganawa, Nobuhiko, 4,814,920, Cl. 360-122.000.
Naganawa, Tsutomu: *See—*
  Ona, Isao; Naganawa, Tsutomu; Suzuki, Toshio; and Okawa, Tadashi, 4,889,770, Cl. 428-447.000.
Nagano, Akihiko: *See—*
  Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
Nagano, Akihiro: *See—*
  Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, 4,856,369, Cl. 350-162.180.
Nagano, Akiyoshi: *See—*
  Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-90.000.
  Nagata, Takuji; and Nagano, Akiyoshi, 4,869,937, Cl. 428-31.000.
Nagano, Chikara: *See—*
  Fujihara, Tadafumi; Shimada, Yoshihiro; Nagano, Chikara; and Tsukamoto, Katsuo, 4,852,985, Cl. 350-523.000.
  Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.
  Shimada, Yoshihiro; Fujihara, Tadafumi; Nagano, Chikara; and Tsukamoto, Katsuo, 4,812,039, Cl. 356-129.000.
Nagano, Eiki; Yoshida, Ryo; Matsumoto, Hiroshi; Hashimoto, Shunichi; and Kamoshita, Katsuzo, to Sumitomo Chemical Company, Limited. 2-substituted phenyl-4,5,6,7-tetrahydro-2H-isoindole-1,3-diones, and their production and use. 4,801,408, 1-31-89, Cl. 260-508.000.
Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, to Sumitomo Chemical Company, Limited. N-(substituted phenyl)-tetrahydrophthalimide compounds, and their production and herbicide use. 4,826,533, 5-2-89, Cl. 71-96.000.
Nagano, Eiki; Takemoto, Ichiki; Fukushima, Masayuki; Yoshida, Ryo; and Matsumoto, Hiroshi, to Sumitomo Chemical Company, Limited. 2-substituted phenyl-4,5,6,7-tetrahydro-2H-indazoles. 4,835,286, 5-30-89, Cl. 548-369.000.
Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, to Sumitomo Chemical Company, Limited. Tetrahydrophthalimides, and their production and use. 4,835,324, 5-30-89, Cl. 568-709.000.
Nagano, Eiki; Haga, Toru; Sato, Ryo; and Morita, Kouichi, to Sumitomo Chemical Company, Ltd. Intermediates for the production of tetrahydrophthalimides. 4,880,925, 11-14-89, Cl. 544-105.000.
Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, to Sumitomo Chemical Company, Limited. Tetrahydropthalimide compounds, and their production and use as herbicides. 4,881,970, 11-21-89, Cl. 71-96.000.
Nagano, Eiki: *See—*
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,877,444, Cl. 71-92.000.
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,885,024, Cl. 71-92.000.
  Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,888,045, Cl. 71-90.000.
  Haga, Toru; Nagano, Eiki; Morita, Kouichi, and Sato, Ryo, 4,820,333, Cl. 71-90.000.
  Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,824,465, Cl. 71-90.000.
  Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,828,605, Cl. 71-90.000.
  Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,149, Cl. 548-159.000.
  Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,150, Cl. 548-159.000.
  Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,888,428, Cl. 548-165.000.
Nagano, Fumikazu; and Tanaka, Seiichi, to Sharp Kabushiki Kaisha. Image reading and/or recording apparatus with enlarging and reducing function. 4,809,083, 2-28-89, Cl. 358-287.000.
Nagano, Fumikazu, to Sharp Kabushiki Kaisha. Image reading apparatus. 4,845,531, 7-4-89, Cl. 355-38.000.
Nagano, Hirosaku; Kawai, Hideki; and Akahori, Kiyokazu, to Kanegafuchi Chemical Industry Co., Ltd. Polyimide having excellent thermal dimensional stability. 4,886,874, 12-12-89, Cl. 528-353.000.
Nagano, Hiroyuki: *See—*
  Kakuta, Toshio; and Nagano, Hiroyuki, 4,874,912, Cl. 200-16.00D.
  Suzuki, Masaki; Nagano, Hiroyuki; Sato, Takeo; and Watanabe, Toshiyuki, 4,844,568, Cl. 350-6.200.
Nagano, Katsumi, to Kabushiki Kaisha Toshiba. Laser diode driving circuit. 4,806,873, 2-21-89, Cl. 330-4.300.
Nagano, Katsumi, to Kabushiki Kaisha Toshiba. Track jump control system for optical disk apparatus. 4,819,219, 4-4-89, Cl. 369-32.000.
Nagano, Katsumi, to Kabushiki Kaisha Toshiba. Laser diode driving circuit. 4,819,241, 4-4-89, Cl. 372-38.000.
Nagano, Kiyoshi: *See—*
  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.
  Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Nagano, Kuzuhiko: *See—*
  Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, to Central Glass Company, Limited. Foam glass having crust layer and method of producing same. 4,798,758, 1-17-89, Cl. 428-213.000.
Nagano, Makoto: *See—*
  Furuuchi, Toshiharu; Nagano, Makoto; and Tsuji, Yoshiaki, 4,833,015, Cl. 428-309.900.
Nageno, Masami; Atago, Takeshi; and Manaka, Toshio, to Hitachi, Ltd. Apparatus and method for controlling ignition timing for internal combustion engine. 4,799,469, 1-24-89, Cl. 123-418.000.
Nagano, Masami; and Atago, Takeshi, to Hitachi, Ltd. Ignition timing control apparatus for internal combustion engine. 4,852,537, 8-1-89, Cl. 123-419.000.
Nagano, Masami: *See—*
  Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.
  Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, 4,825,833, Cl. 123-435.000.
  Manaka, Toshio; Teragakiuchi, Akira; Sakamoto, Masahide; Nagano, Masami; Fujishita, Masakatsu; and Miyake, Junji, 4,862,855, Cl. 123-489.000.
Nagano, Masanobu: *See—*
  Shiokawa, Youichi; Nagano, Masanobu; and Itani, Hiromichi, 4,831,041, Cl. 514-300.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Speed change operating device for a bicycle. 4,815,330, 3-28-89, Cl. 74-475.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Operating force transmission device for a brake. 4,823,915, 4-25-89, Cl. 188-2.00D.
Nagano, Masashi, to Shimano Industrial Company Limited. Derailleur for a bicycle. 4,832,662, 5-23-89, Cl. 474-80.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Adjusting device for a control cable for a bicycle. 4,833,937, 5-30-89, Cl. 74-501.50R.
Nagano, Masashi, to Shimano Industrial Company Limited. Pedal for a bicycle. 4,838,115, 6-13-89, Cl. 74-594.400.
Nagano, Masashi, to Shimano Industrial Company Limited. Unidirectional rotary transmission mechanism for bicycle parts. 4,838,401, 6-13-89, Cl. 192-64.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Speed-change operating lever for a bicycle. 4,840,081, 6-20-89, Cl. 74-502.200.
Nagano, Masashi, to Shimano Industrial Company Limited. Pedal for a bicycle. 4,840,085, 6-20-89, Cl. 74-594.400.
Nagano, Masashi, to Shimano Industrial Company Limited. Adjusting mechanism for a chain guide at a bicycle derailleur. 4,850,940, 7-25-89, Cl. 474-80.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Side-pull type caliper brake. 4,852,698, 8-1-89, Cl. 188-24.190.
Nagano, Masashi, to Shimano Industrial Company Limited. Speed change device for a bicycle. 4,854,191, 8-8-89, Cl. 74-750.00B.
Nagano, Masashi, to Shimano Industrial Company Limited. Cover device for a driving chain for a bicycle. 4,854,924, 8-8-89, Cl. 474-140.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Positioning device for a derailleur for a bicycle. 4,861,320, 8-29-89, Cl. 474-80.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Speed control device for a bicycle. 4,864,885, 9-12-89, Cl. 74-502.200.
Nagano, Masashi, to Shimano Industrial Company Limited. Driving gear for a bicycle. 4,869,709, 9-26-89, Cl. 474-152.000.
Nagano, Masashi, to Shimano Industrial Company Limited. Pedal for a bicycle. 4,873,890, 10-17-89, Cl. 74-594.400.
Nagano, Masashi, to Shimano Industrial Company Limited. Multistage sprocket assembly for a bicycle. 4,889,521, 12-26-89, Cl. 474-164.000.
Nagano, Masatoshi: *See—*
  Fujiwara, Yutaka; and Nagano, Masatoshi, 4,864,348, Cl. 354-485.000.
Nagano, Mineo; and Saito, Michio, to Toyo Soda Manufacturing Co., Ltd. Process for gas phase polymerization of vinyl chloride. 4,826,935, 5-2-89, Cl. 526-230.500.

Nagano Miso Kabushiki Kaisha: *See—*
- Oka, Hideki, 4,816,267, Cl. 426-46.000.

Nagano, Mitsuyoshi: *See—*
- Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, 4,796,127, Cl. 360-103.000.
- Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Mohri, Shigeki; and Nagano, Mitsuyoshi, 4,814,915, Cl. 360-103.000.

Nagano, Noriaki: *See—*
- Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.

Nagano, Shuji; and Inui, Masaki, to Toyota Jidosha Kabushiki Kaisha. Power transfer device for four-wheel drive. 4,876,919, 10-31-89, Cl. 74-650.000.

Nagano, Shuji: *See—*
- Koide, Toshikazu; Ida, Shuichiro; Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, 4,854,414, Cl. 180-249.000.

Nagano, Suketoshi; Ichikawa, Munehiro; and Yoneyama, Takashi, to Kabushiki Kaisha Toshiba. Switching device. 4,825,181, 4-25-89, Cl. 335-205.000.

Nagano, Takahiro: *See—*
- Watanabe, Atsuo; Nagano, Takahiro; Ikeda, Takahide; Momma, Naohiro; and Saito, Ryuichi, 4,862,240, Cl. 357-42.000.
- Yazawa, Yoshiaki; Kobayashi, Yutaka; Fukami, Akira; and Nagano, Takahiro, 4,819,043, Cl. 357-23.300.

Nagano, Takashi; Tsunoda, Toshiyuki; and Fukaya, Takashi, to Olympus Optical Co., Ltd. Surgical microscope system. 4,807,989, 2-28-89, Cl. 351-212.000.

Nagano, Takashi; and Fukaya, Takashi, to Olympus Optical Co., Ltd. Tilting device for surgical microscopes. 4,815,832, 3-28-89, Cl. 350-522.000.

Nagano, Takashi: *See—*
- Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
- Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.

Nagano, Takasi: *See—*
- Kawano, Tamenori; Nakazawa, Atsushi; Sumida, Kiyomi; and Nagano, Takasi, 4,848,212, Cl. 92-158.000.

Nagano, Torahiko: *See—*
- Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.

Nagano, Yoosuke; Sekizawa, Sadao; and Seki, Toshio, to Hitachi, Ltd. Apparatus for magnetically detecting a position of a movable magnetic body. 4,853,632, 8-1-89, Cl. 324-208.000.

Nagano, Yosuke: *See—*
- Wakabayashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.

Nagano, Yousuke: *See—*
- Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, 4,868,944, Cl. 8-158.000.

Naganuma, Hiroshi: *See—*
- Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.000.
- Itoh, Satoru; and Naganuma, Hiroshi, 4,864,993, Cl. 123-383.000.

Naganuma, Masayuki; and Suehiro, Yoshiyuki, to Fujitsu Limited. Master slice type integrated circuit. 4,825,107, 4-25-89, Cl. 307-465.000.

Naganuma, Masayuki, to Fujitsu Limited. High power buffer circuit with low noise. 4,827,159, 5-2-89, Cl. 307-443.000.

Nagao, Akira: *See—*
- Mieno, Toshiyuki; Nakajima, Toyohei; and Nagao, Akira, 4,882,695, Cl. 364-431.080.
- Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira; and Suzaki, Yukihiko, 4,856,480, Cl. 123-425.000.
- Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.
- Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki, Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.

Nagao, Hirohumi; Matsuo, Kenichi; and Nakata, Muneo, to Omron Tateisi Electronics Co. Electromagnetic relay. 4,816,794, 3-28-89, Cl. 335-136.000.

Nagao, Kastunori: *See—*
- Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.

Nagao, Keisuke, to Kabushiki Kaisha Nagao. Eye device for use in a doll. 4,842,566, 6-27-89, Cl. 446-345.000.

Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Method of manufacturing vertical magnetization type recording medium. 4,865,878, 9-12-89, Cl. 427-131.000.

Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Vertical magnetization type recording medium and manufacturing method therefor. 4,868,070, 9-19-89, Cl. 428-626.000.

Nagao, Makoto; Sano, Kunihiko; Yamanaka, Fusao; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Method for preparing a magnetic recording medium. 4,869,797, 9-26-89, Cl. 204-192.160.

Nagao, Makoto: *See—*
- Mikoshiba, Nobuo; Tsubouchi, Kazuo; and Nagao, Makoto, 4,799,244, Cl. 377-58.000.
- Sano, Kunihiko; Nagao, Makoto; Nahara, Akira; Nishikawa, Yasuo; and Iwasaki, Hiroyuki, 4,840,843, Cl. 428-336.000.
- Yamanaka, Fusao; Nagao, Makoto; and Nahara, Akira, 4,867,101, Cl. 118-718.000.

Nagao, Nobuaki: *See—*
- Hatakeyama, Tetsuo; Uera, Yoshinori; and Nagao, Nobuaki, 4,801,109, Cl. 242-72.100.

Nagao, Nobuhiro: *See—*
- Hara, Mitsunori; Nagao, Nobuhiro; Amazutsumi, Tooru; and Urushihara, Kanji, 4,804,593, Cl. 429-174.000.

Nagao, Tadasu; Terayama, Masaya; and Inoue, Kazuhiko, to Kyushu Hitachi Maxell, Ltd. Disc cleaner. 4,825,497, 5-2-89, Cl. 15-97.00R.

Nagao, Taisuke: *See—*
- Okamoto, Hiroshi; Toyoshi, Naoki; Tabuchi, Kenji; Takebe, Kaoru; and Nagao, Taisuke, 4,845,524, Cl. 355-239.000.

Nagao, Taku: *See—*
- Yamaguchi, Isao; Akimoto, Yoshiaki; and Nagao, Taku, 4,822,789, Cl. 514-211.000.

Nagao, Tamotu: *See—*
- Okamura, Chikaaki; Fujita, Akihito; Nagao, Tamotu; and Yoshida, Fumihiko, 4,865,904, Cl. 428-215.000.

Nagao, Tatsuro, to Pioneer Electronic Corporation. High speed information retrieval apparatus. 4,890,171, 12-26-89, Cl. 360-73.050.

Nagao, Tatsuro: *See—*
- Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, 4,839,584, Cl. 324-103.00P.
- Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.

Nagao, Terumi: *See—*
- Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruyama, Yohikuni; and Kanno, Toshitake, 4,809,762, Cl. 164-9.000.

Nagao, Teruyuki; and Tanaka, Shigeo, to Diesel Kiki Co., Ltd. Supply and return air plenum unit for duct air-conditioning systems. 4,848,214, 7-18-89, Cl. 98-31.600.

Nagao, Teruyuki: *See—*
- Ishizuka, Yutaka; and Nagao, Teruyuki, 4,805,418, Cl. 62-298.000.
- Ishizuka, Yutaka; and Nagao, Teruyuki, 4,828,019, Cl. 165-54.000.

Nagao, Toshishige; Ariki, Masayuki; and Ida, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Method and apparatus for measuring film thickness using a second sheet of known thickness. 4,810,894, 3-7-89, Cl. 250-560.000.

Nagao, Tsuyoshi: *See—*
- Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.

Nagao, Yoshimitsu: *See—*
- Kumagai, Toshio; Matsunaga, Hiroshi; Machida, Yoshisuke; Nagase, Yunosuke; Hikida, Muneo; and Nagao, Yoshimitsu, 4,866,171, Cl. 540-350.000.

Nagao, Yukihiko: *See—*
- Katoh, Yoshihisa; Ogawa, Takashi; Nagao, Yukihiko; and Hasegawa, Mitsumasa, 4,863,617, Cl. 210-788.000.

Nagaoka, Akinobu: *See—*
- Goto, Giichi; and Nagaoka, Akinobu, 4,804,665, Cl. 514-278.000.
- Naka, Takehiko; Furukawa, Yoshiyasu; and Nagaoka, Akinobu, 4,824,848, Cl. 514-258.000.

Nagaoka, Akira: *See—*
- Kambe, Yoshiaki; Okuda, Yoshihiko; Hirono, Atsuyuki; Nagaoka, Akira; and Ito, Takayasu, 4,876,446, Cl. 250-221.000.

Nagaoka, Daiji, to Fuji Xerox Co., Ltd. Region recognizing device. 4,856,074, 8-8-89, Cl. 382-22.000.

Nagaoka, Haruo: *See—*
- Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.

Nagaoka, Hirofumi: *See—*
- Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.

Nagaoka, Hisayuki; Zenbayashi, Michio; and Shimizu, Chiyuki, to Toshiba Silicone Co., Ltd. Siloxane-amide block copolymer and process for producing the same. 4,877,855, 10-31-89, Cl. 528-26.000.

Nagaoka, Hisayuki; and Zenbayashi, Michio, to Toshiba Silicone Co., Ltd. Siloxane-amide block copolymer and process for producing the same. 4,882,396, 11-21-89, Cl. 525-426.000.

Nagaoka, Junsaku: *See—*
- Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Nagaoka Kanaami Kabushiki Kaisha: *See—*
- Nagaoka, Tadayoshi, 4,818,403, Cl. 210-488.000.

Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, to SS Pharmaceutical Co., Ltd. Antibiotic substance. 4,835,287, 5-30-89, Cl. 548-453.000.

Nagaoka, Kazuo; Wakabayashi, Sadao; Kanasugi, Toshihiko; and Hatano, Tadao, to Sony Magnescale, Inc. Mounting structure for magnetic linear scale unit. 4,843,729, 7-4-89, Cl. 33-708.000.

Nagaoka, Kazuo; Takao, Yoshiki; and Yamamoto, Masato, to Sony Magnescale Inc. Elongated strip storage apparatus and recorder tape duplicator system utilizing endless tape stored in storage apparatus. 4,868,688, 9-19-89, Cl. 360-16.000.

Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, to Sumitomo Chemical Company; and Mitsubishi Petrochemical Company, Limited. Process for producing polyphenylene oxide with alkanolamine and secondary amine. 4,868,276, 9-19-89, Cl. 528-215.000.

Nagaoka, Koichi: *See—*
- Kubo, Eiichi; Nagaoka, Koichi; Miyahara, Yoshiki; Kiriyama, Syunichi; and Mishima, Yasunobu, 4,874,666, Cl. 428-398.000.

Nagaoka, Masaaki: *See—*
- Donomoto, Tadashi; Koyama, Mototsugu; and Nagaoka, Masaaki, 4,798,770, Cl. 428-547.000.

Nagaoka, Mitsuru; and Matsuoka, Toshihiro, to Mazda Motor Corporation. Control apparatus for controlling device loaded on vehicle. 4,825,367, 4-25-89, Cl. 364-424.050.

Nagaoka, Mitsuru: *See—*
- Imai, Shoji; Nagaoka, Mitsuru; Matsuoka, Toshihiro; and Nobumoto, Kazutoshi, 4,834,045, Cl. 123-352.000.
- Oda, Kazuya; Matsuoka, Toshihiro; Onaka, Toru; and Nagaoka, Mitsuru, 4,862,854, Cl. 123-399.000.

Nagaoka, Naoko: *See—*
- Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Nagaoka, Ryuichiro: *See—*
- Hanakura, Niichi; and Nagaoka, Ryuichiro, 4,835,475, Cl. 324-435.000.

Nagaoka, Shinji: *See—*
- Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki. Nobuo, 4,881,096, Cl. 354-400.000.

Nagaoka, Shuichi, to Alps Electric Co., Ltd. Keyboard having microcomputerized encoder. 4,845,467, 7-4-89, Cl. 341-24.000.

Nagaoka, Tadayoshi, to Nagaoka Kanaami Kabushiki Kaisha. Double cylinder screen. 4,818,403, 4-4-89, Cl. 210-488.000.

Nagaoka, Takashi: *See—*
- Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

Nagaoka, Tomoo; and Kimura, Takashi, to Copal Company Limited. Disk apparatus with disk rotating means. 4,855,850, 8-8-89, Cl. 360-99.120.

Nagaoka, Yoshikazu: *See—*
- Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.

Nagaoka, Yoshinobu: *See—*
- Nakajima, Yoshio; Kimura, Takao; and Nagaoka, Yoshinobu, 4,882,108, Cl. 264-54.000.

Nagaoka, Yoshitomi: *See—*
- Hirao, Yoshiaki; Kuga, Ryuichiro; Miura, Teruyoshi; and Nagaoka, Yoshitomi, 4,849,813, Cl. 358-137.000.
- Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
- Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomi, 4,811,119, Cl. 358-328.000.
- Kobayashi, Masaaki; Yamanishi, Kazuhiro; Takeuchi, Akihiro; and Nagaoka, Yoshitomi, 4,873,583, Cl. 358-310.000.
- Morioka, Yoshihiro; Kobayashi, Masaaki; and Nagaoka, Yoshitomi, 4,811,117, Cl. 358-310.000.
- Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sakon, 4,864,421, Cl. 358-310.000.
- Murao, Tsugio; Yamamoto, Yoshiharu, Ikeda, Kenichi; Nagaoka, Yoshitomi; and Nakajima, Yasuo, 4,810,076, Cl. 350-448.000.
- Tanaka, Yasuhiro; Nakajima, Yasuo; and Nagaoka, Yoshitomi, 4,842,388, Cl. 350-432.000.

Nagaoka, Yukio: *See—*
- Takahashi, Fumio; Nagaoka, Yukio; and Harada, Twao, 4,816,993, Cl. 364-200.000.

Nagaosa, Hideo: *See—*
- Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
- Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.

Nagara, Hisao: *See—*
- Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.

Nagara, Toshio: *See—*
- Susa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, 4,809,773, Cl. 165-104.320.

Nagaraj, D. R.: *See—*
- Lipp, David W.; and Nagaraj, D. R., 4,866,150, Cl. 526-288.000.
- Lipp, David W.; and Nagaraj, D. R., 4,888,106, Cl. 209-167.000.
- Wang, Samuel S.; and Nagaraj, D. R., 4,871,466, Cl. 252-61.000.

Nagarajan, Madukkarai K., to B. F. Goodrich Company, The. Toilet soap containing polymeric thickener. 4,828,752, 5-9-89, Cl. 252-174.240.

Nagarajan, Vasantha; Rhodes, Craig S.; and Banner, Carl D. B., to Genex Corporation. Vector for expression of polypeptides in bacilli. 4,801,537, 1-31-89, Cl. 435-68.000.

Nagarwalla, Pheroze J.; Brown, Jackson E.; and Bellis, Kenneth E., to Robert Corporation. Method and apparatus for handling tooling within a foundry machine. 4,832,108, 5-23-89, Cl. 164-180.000.

Nagarwalla, Pheroze J.: *See—*
- Bellis, Kenneth E.; Brown, Jackson E.; and Nagarwalla, Pheroze J., 4,830,082, Cl. 164-16.000.
- Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; and Rea, James, 4,836,269, Cl. 164-200.000.
- Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; Niedermeyer, William; and Pawlak, Paul, 4,883,558, Cl. 156-292.000.

Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, to Onada Cement Co., Ltd. Powder charging apparatus and electrostatic powder painting apparatus. 4,805,069, 2-14-89, Cl. 361-226.000.

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Nagasaka, Ichiro: *See—*
- Izumi, Akira; and Nagasaka, Ichiro, 4,846,499, Cl. 280-830.000.

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Nagasaka, Kohji: *See—*
- Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, 4,862,847, Cl. 123-187.50R
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Nagasaka, Masami: *See—*
- Amada, Mitsumasa; Sibasaki, Hitosi; and Nagasaka, Masami, 4,839,680, Cl. 354-233.000.

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- Tada, Tetsuya; Nagasaka, Masumi; Tabuchi, Hiroaki; and Teratani, Tatsuo, 4,803,637, Cl. 364-426.040.
- Tada, Tetsuya; Nagasaka, Masumi; and Teratani, Tatsuo, 4,814,991, Cl. 364-426.040.
- Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
- Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.
- Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.

Nagasaka, Nobusuke, to Brother Kogyo Kabushiki Kaisha. Needle clamp for sewing machine. 4,883,007, 11-28-89, Cl. 112-226.000.

Nagasaka, Shoji: *See—*
- Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,840,303, Cl. 228-164.000.
- Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,854,493, Cl. 228-5.700.

Nagasaka, Yoshikiyo: *See—*
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Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, to Sumitomo Chemical Company, Limited. Stabilized styrene polymer. 4,812,494, 3-14-89, Cl. 524-91.000.

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- Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,861,702, Cl. 430-564.000.
- Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.

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  Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.
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Nagashima, Yoshimitsu; Fukui, Yojiro; and Takahashi, Yoshimi, to Silver Seiko Ltd. Typewriter with pivoting keyboard. 4,830,525, 5-16-89, Cl. 400-472.000.
Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, to Canon Kabushiki Kaisha. Wide band video signal recording apparatus. 4,812,920, 3-14-89, Cl. 358-310.000.
Nagashita, Tsuneyoshi: *See—*
  Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.
Nagasu, Hideo: *See—*
  Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, 4,882,478, Cl. 250-211.00R.
Nagasu, Youichiro: *See—*
  Tajima, Tomoyuki, 4,810,495, Cl. 424-95.000.
Nagata, Atsushi, to Toyoda Gosei Co., Ltd. Steering wheel. 4,879,923, 11-14-89, Cl. 74-552.000.
Nagata, Eiji: *See—*
  Wada, Kenzo; and Nagata, Eiji, 4,841,353, Cl. 357-51.000.
Nagata, Hideo: *See—*
  Shiga, Shujiro; Nagata, Hideo; and Shigeoka, Kenichiro, 4,801,371, Cl. 204-418.000.
Nagata, Hideyuki; Kidokoro, Susumu; Morota, Masao; and Tajima, Eiichi, to Tajima Oyo Kako Kabushiki Kaisha. Process of forming ornamental joints. 4,844,757, 7-4-89, Cl. 156-62.000.
Nagata, Hiroshi: *See—*
  Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, 4,867,932, Cl. 264-29.100.
Nagata, Hiroya: *See—*
  Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.
Nagata, Hirozumi: *See—*
  Sasaki, Yoshinari; Oda, Etsuji; Nagata, Hirozumi; Kurita, Naoki; and Maehara, Hiroyuki, 4,820,464, Cl. 264-40.100.
Nagata, Kazuhiko: *See—*
  Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, 4,850,791, Cl. 414-750.000.
  Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, 4,865,445, Cl. 356-73.000.
Nagata, Kazuhisa, to Aisin Seiki Kabushiki Kaisha. Sunroof housing for automative vehicles. 4,805,958, 2-21-89, Cl. 296-216.000.
Nagata, Kazutaka: *See—*
  Imanaka, Asaji; and Nagata, Kazutaka, 4,886,320, Cl. 303-11.000.
Nagata, Kenichi; and Yamada, Noboru, to Matsushita Electric Industrial Co., Ltd. Optical information recording medium. 4,839,883, 6-13-89, Cl. 369-286.000.
Nagata, Kenichi: *See—*
  Takao, Masatoshi; Kimura, Kunio; Kurumizawa, Toshimitsu; and Nagata, Kenichi, 4,847,132, Cl. 428-64.000.
Nagata, Kenzo; and Kawabuchi, Yoichi, to Minolta Camera Kabushiki Kaisha. Apparatus for transporting sheets of paper. 4,868,609, 9-19-89, Cl. 355-316.000.
Nagata, Kenzo: *See—*
  Kusumoto, Keiji; and Nagata, Kenzo, 4,881,104, Cl. 355-309.000.
Nagata, Kiichiro, to Jujo Paper Co., Ltd. Paper container for liquid. 4,819,861, 4-11-89, Cl. 229-16.00R.
Nagata,. Kiyoshi; Tatsukawa, Junichi; Kawashima, Yutaka; and Kobayashi, Hisanori, to Nippondenso Co., Ltd. Fuel supply device for vehicles. 4,869,225, 9-26-89, Cl. 123-509.000.
Nagata, Koji: *See—*
  Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,810,961, Cl. 324-95.000.
  Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,814,694, Cl. 324-95.000.
  Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiuyki; and Nagata, Koji, 4,889,958, Cl. 174-35.0MS.
Nagata, Kouichi: *See—*
  Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, 4,816,364, Cl. 430-108.000.
Nagata, Kunio, to Omron Tateisi Electronics Co. Electric tool power switch assembly providing convenient reversing operation and pro-

vided with sealed switch lever structure. 4,847,451, 7-11-89, Cl. 200-1.00V.
Nagata, Kunio: *See—*
Tomizu, Motoyuki; and Nagata, Kunio, 4,795,863, Cl. 200-16.00B.
Nagata, Masaki; Yasuda, Naoshi; Kondo, Shigeo; and Sotomura, Tadashi, to Japan Synthetic Rubber Co., Ltd.; and Matsushita Electric Industrial Co., Ltd. Solid electrolyte sheet and process for producing the same. 4,828,945, 5-9-89, Cl. 429-191.000.
Nagata, Masaki: *See—*
Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, 4,810,599, Cl. 429-191.000.
Yamada, Kinji; Nagata, Masaki; Suyama, Siniti; and Okamura, Momoko, 4,830,672, Cl. 106-287.190.
Nagata, Masanori; Kaneoka, Tsugio; Imano, Shigeki; and Matumoto, Hitoshi, to Fujimori Kogyo Co., Ltd. Ultrasonic method of inspecting contents of a package and apparatus thereof. 4,821,573, 4-18-89, Cl. 73-597.000.
Nagata, Masatoshi: *See—*
Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.
Nagata, Masayuki: *See—*
Yokota, Minoru; Nagata, Masayuki; Saito, Shigeo; and Yamada, Yuichi, 4,883,922, Cl. 174-125.100.
Nagata, Minoru: *See—*
Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, 4,881,044, Cl. 330-253.000.
Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.
Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
Nakazato, Kazuo; Nakamura, Tohru; Miyazaki, Takao; Natsuaki, Nobuyoshi; Ogirima, Masahiko; and Nagata, Minoru, 4,819,055, Cl. 357-59.000.
Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.
Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, 4,825,145, Cl. 323-315.000.
Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.
Nagata, Mitsuhiro; Hayashi, Tadashi, Hashimoto, Yoshinobu; and Nakamura, Kiyoshi, to Kabushiki Kaisha Toshiba. Holder for sealing member. 4,873,208, 10-10-89, Cl. 501-89.000.
Nagata, Mitsuo: *See—*
Aoki, Kenji; Nagata, Mitsuo; Nakamura, Haruo; and Miura, Teiji, 4,810,062, Cl. 350-339.00F.
Nagata, Miyuki: *See—*
Tokumaru, Takeji; and Nagata, Miyuki, 4,839,839, Cl. 364-715.080.
Nagata, Niro, to Kabushiki Kaisha Toshiba. Mounting device for a resin lens. 4,861,137, 8-29-89, Cl. 350-253.000.
Nagata, Niro: *See—*
Tokita, Muneo; and Nagata, Niro, 4,866,459, Cl. 346-108.000.
Nagata, Seiichi; Hotta, Sadayoshi; Takeda, Etsuya; and Miyata, Yutaka, to Matsushita Electric Industrial Co. Ltd. Display device and a display method. 4,823,126, 4-18-89, Cl. 340-825.790.
Nagata Seiki Kabushiki Kaisha: *See—*
Maruyama, Kakuji; Kondo, Takeshi; and Okubo, Yoshimitsu, 4,856,298, Cl. 66-40.000.
Nagata, Shigemi: *See—*
Naoi, Satoshi; Inoue, Akira; Nishikawa, Katsuhiko; and Nagata, Shigemi, 4,853,885, Cl. 364-718.000.
Nagata, Shinichi: *See—*
Endo, Kenji; Nagata, Shinichi; and Uemura, Haruo, 4,878,745, Cl. 350-469.000.
Sasada, Shigeru; Nagata, Shinichi; Hirosawa, Makoto; and Kishida, Yoshihiro, 4,861,983, Cl. 250-235.000.
Wakimoto, Zenji; Nagata, Shinichi; and Katsuyama, Mikizo, 4,852,957, Cl. 350-6.600.
Nagata, Shiro: *See—*
Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.
Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.
Nagata, Shizuo: *See—*
Tanoshima, Katsuhide; Suzuki, Yasuhiro; Nagata, Shizuo; and Shimizu, Yasuo, 4,813,007, Cl. 346-74.500.
Nagata, Takehumi: *See—*
Nakajima, Nobuyoshi; Nagata, Takehumi; and Tanaka, Hiroshi, 4,804,841, Cl. 250-327.200.
Nagata, Takuji; and Kuzuya, Yasuhisa, to Toyoda Gosei Co., Ltd. Molding with fitting and retainer means. 4,853,263, 8-1-89, Cl. 428-31.000.
Nagata, Takuji; and Nagano, Akiyoshi, to Toyoda Gosei Co., Ltd. Moldings for car body. 4,869,937, 9-26-89, Cl. 428-31.000.
Nagata, Takuji: *See—*
Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.
Nagata, Teruhide; and Koizumi, Shigeru, to Ohi Seisakusho Company, Limited. Sunroof apparatus for vehicle. 4,869,548, 9-26-89, Cl. 296-221.000.
Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, to Mitsui Toatsu Chemicals, Inc. Process for producing diphenylamines or N,N'-diphenyl-phenylenediamines. 4,804,78 2-14-89, Cl. 564-402.000.
Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada Masaru, to Mitsui Toatsu Chemicals, Inc. Process for producing diphenylamines or N,N'-diphenylphenylenediamines. 4,871,87 10-3-89, Cl. 564-402.000.
Nagata, Teruyuki: *See—*
Miura, Tohru; and Nagata, Teruyuki, 4,814,488, Cl. 560-59.000.
Miura, Tohru; Watanabe, Katsuju; Nakayama, Hitoshi; Furuya Masayuki; and Nagata, Teruyuki, 4,851,590, Cl. 568-750.000.
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya Masayuki; and Nishida, Emiko, 4,873,374, Cl. 568-743.000.
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya Masayuki; and Nishida, Emiko, 4,877,907, Cl. 568-721.000.
Nagata, Tetsuya; and Ohmori, Hideki, to Seiko Seiki Kabushiki Kaisha Sizing apparatus for an internal grinder. 4,858,391, 8-22-89, C 51-165.930.
Nagata, Tetsuya: *See—*
Takeuchi, Ryozo; Suzuki, Yasuaki; Nagata, Tetsuya; and Hiro Eturo, 4,888,648, Cl. 358-335.000.
Nagata, Tomihiko: *See—*
Yamada, Motokazu; Hayakawa, Hideyuki; Fukui, Tomonori; Ma suhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata Tomihiko, 4,812,845, Cl. 340-095.000.
Nagata, Toshihiro: *See—*
Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, To shihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Mae Shin-ichiro, 4,814,338, Cl. 514-275.000.
Nagata, Tsuyoshi; Nakamune, Kenichi; and Fujita, Katsuto, to Sum Engineering Inc. Fluid pressurizing delivery pump system. 4,832,58 5-23-89, Cl. 417-290.000.
Nagata, Yasuhiro; and Fujimura, Hidetaka, to Daiken Industries, Lt Biosensor. 4,871,440, 10-3-89, Cl. 204-403.000.
Nagata, Yoshihisa: *See—*
Sasaki, Akira; Uchiyama, Shinji; and Nagata, Yoshihisa, 4,810,3 Cl. 210-634.000.
Nagata, Yoshinori: *See—*
Akaiwa, Yoshihiko; Nagata, Yoshinori; and Matsuo, Yosh 4,817,116, Cl. 375-49.000.
Nagata, Yukiaki, to Kabushiki Kaisha Sugino Machine. Superhig pressure fluid injection apparatus. 4,811,902, 3-14-89, Cl. 239-240.00
Nagatani, Hitoshi: *See—*
Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushim Kunio; and Sakemoto, Akito, 4,828,925, Cl. 428-425.900.
Nagatani, Masamichi: *See—*
Miyamoto, Satoshi; and Nagatani, Masamichi, 4,838,957, C 148-260.000.
Nagatani, Shigeo. Rotor composite engine. 4,870,869, 10-3-89, C 74-52.000.
Nagato, Hitoshi; Hirahara, Shuzo; and Ohno, Tadayoshi, to Kabushi Kaisha Toshiba. Thermal head driver circuit. 4,819,008, 4-4-89, C 346-76.0PH.
Nagato, Hitoshi: *See—*
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamad Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, T shikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamad Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, C 346-76.0PH.
Nagato, Nobuyuki: *See—*
Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsu Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kun 4,833,256, Cl. 549-227.000.
Nagato, Shoin: *See—*
Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hiro Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, C 71-88.000.
Nagato, Yuichiro; Hujii, Hiroshi; Matsumoto, Osamu; and Saito, Ka suhiko, to Hitachi, Ltd. Device for energizing a hermetic motor un inverter. 4,806,839, 2-21-89, Cl. 318-798.000.
Nagato, Yuichiro: *See—*
Fujii, Hiroshi; and Nagato, Yuichiro, 4,802,077, Cl. 363-41.000.
Nagatome, Yoshiaki: *See—*
Sengoku, Koji; and Nagatome, Yoshiaki, 4,874,630, C 426-634.000.
Nagatomi, Kyosuke; Kajiwara, Teruki; Ookuma, Hisashi; and Ta chibana, Ryo, to Shizuki Electric Co., Inc. Process for produci metallized plastic film. 4,832,983, 5-23-89, Cl. 427-81.000.
Nagatomi, Takashi: *See—*
Araki, Hiroshi; Ishii, Hisao; Akiyama, Yoshihisa; Kamada, Hiros and Nagatomi, Takashi, 4,870,744, Cl. 29-568.000.
Nagatomo, Masakatsu: *See—*
Onogi, Yasuharu; Oka, Akinori; Nagatomo, Masakatsu; Kond Takumi; and Mizumoto, Kouji, 4,840,834, Cl. 428-211.000.
Nagatomo, Shigemi: *See—*
Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hatto Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Is Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.00
Nagatomo, Shigeru: *See—*
Masuda, Nobuhito; Nagatomo, Shigeru; Makiuchi, Hajime; a Yasuda, Yukio, 4,861,552, Cl. 422-56.000.
Nagatoshi, Kikuo: *See—*
Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; a Nagatoshi, Kikuo, 4,812,507, Cl. 524-611.000.
Matsuo, Shigeru; Murakami, Tomoyoshi; Bando, Thoru; a Nagatoshi, Kikuo, 4,853,443, Cl. 525-534.000.

Nagatsu, Toshiharu: *See—*
Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, to Fuji Xerox Co., Ltd. Developer carrier and process for producing the same. 4,868,083, 9-19-89, Cl. 430-108.000.
Nagatsuka, Ikutaroh: *See—*
Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.
Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki, Chiaki; and Nagatsuka, Ikutaroh, 4,859,558, Cl. 430-110.000.
Nagatsuka, Toshio: *See—*
Sasabe, Minoru; Hamada, Nobuo; and Nagatsuka, Toshio, 4,830,727, Cl. 204-412.000.
Nagatsuka, Yoshitaka; Saito, Masaki; and Kawabe, Yoshitaka, to JEOL, Ltd. Spectrum display device for x-ray microanalyzer or the like. 4,885,465, 12-5-89, Cl. 250-310.000.
Nagatsuma, Kazuyuki: *See—*
Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, 4,816,890, Cl. 357-30.000.
Nagatsuma, Nobuyoshi; and Kamata, Yoshiharu, to Honda Giken Kogyo Kabushiki Kaisha. Boot assembling apparatus for drive shaft. 4,884,327, 12-5-89, Cl. 29-235.000.
Nagatsuna, Akemi: *See—*
Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, 4,812,832, Cl. 340-709.000.
Nagatsuna, Shinji, to Ricoh Company, Ltd. Image recording having a removable image forming case. 4,876,572, 10-24-89, Cl. 355-210.000.
Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, to Ricoh Company, Ltd. Image developing device for electrophotography. 4,835,565, 5-30-89, Cl. 355-259.000.
Nagaura, Toru; Yokokawa, Masaaki; and Hashimoto, Toshio, to Sony Corporation. Rechargeable organic electrolyte cell. 4,828,834, 5-9-89, Cl. 429-194.000.
Nagawa, Yoshinobu; Honda, Koichi; and Nakanishi, Hiroshi, to Agency of Industrial Science and Technology. New indole derivatives and process for producing them. 4,889,937, 12-26-89, Cl. 548-420.000.
Nagaya, Toshiatsu: *See—*
Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, 4,834,052, Cl. 123-549.000.
Nagaya, Yoshio: *See—*
Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
Nagayama, Haruhiko: *See—*
Maniwa, Yoshio; Morita, Takashi; Niro, Masaichi; Abe, Daisuke; and Nagayama, Haruhiko, 4,872,091, Cl. 361-424.000.
Nagayama, Hirotsugu: *See—*
Ino, Juichi; Hishinuma, Akihiro; Nagayama, Hirotsugu; and Kawahara, Hideo, 4,882,183, Cl. 427-126.600.
Nagayama, Kousei: *See—*
Ushifusa, Nobuyuki; Shinohara, Hiroichi; Nagayama, Kousei; Ogihara, Satoru; and Soga, Tasao, 4,821,142, Cl. 361-395.000.
Nagayama, Masanori, to Ricoh Company, Ltd. Developing device for copier and others. 4,816,870, 3-28-89, Cl. 355-3.0DD.
Nagayama, Susumu: *See—*
Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
Yamazaki, Shunpei; Suzuki, Kunio; and Nagayama, Susumu, 4,826,711, Cl. 427-248.100.
Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
Yamazaki, Shunpei; Itoh, Kenji; and Nagayama, Susumu, 4,874,920, Cl. 219-121.850.
Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.
Nagayama, Takashi: *See—*
Otani, Mitsunobu; Date, Tamotsu; Nagayama, Takashi; and Kouzuki, Tsuneo, 4,869,823, Cl. 210-349.000.
Nagayama, Tokio: *See—*
Kiyoura, Tadamitsu; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,822,589, Cl. 423-502.000.
Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.
Nagayama, Yoshiaki: *See—*
Doi, Shigetoshi; Nagayama, Yoshiaki; Iida, Katsumi; and Sakurai, Yoshihiko, 4,858,677, Cl. 165-12.000.
Nagayasu, Nobuhiko. Method for producing composite material of plastic and rubber. 4,795,603, 1-3-89, Cl. 264-328.180.
Nagayasu, Susumu: *See—*
Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonezaki, Takahiro, 4,833,305, Cl. 219-549.000.
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, to UC Industry Co., Ltd.; and Tonen Sekiyukagaku Kabushiki Kaisha. Method and apparatus for manufacturing a plastic pipe. 4,824,502, 4-25-89, Cl. 156-195.000.
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, to Tonen Sekiyukagaki Kabushiki Kaisha; and Tonen Sekiyukagku Kabushiki Kaisha. Apparatus for manufacturing resin tube. 4,867,671, 9-19-89, Cl. 425-391.000.
Nagayoshi, Katsumi. Device for shooting bullets by pressure medium for use in a toy gun. 4,850,330, 7-25-89, Cl. 124-76.000.
Nagayoshi, Kiyoharu: *See—*
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,824,502, Cl. 156-195.000.
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,867,671, Cl. 425-391.000.
NAGE AG: *See—*
Gehring, Manfred; and Pluss, Heinz, 4,795,199, Cl. 285-236.000.
Nagel, Arthur A.: *See—*
Lowe, John A., III; and Nagel, Arthur A., 4,831,031, Cl. 514-254.000.
Lowe, John A., III; and Nagel, Arthur A., 4,883,795, Cl. 514-253.000.
Nagel, Colleen C., to Minnesota Mining and Manufacturing Company. Vapocheromic double-complex salts. 4,826,774, 5-2-89, Cl. 436-106.000.
Nagel, Colleen C., to Minnesota Mining and Manufacturing Company. Thermochromic double-complex salts. 4,834,909, 5-30-89, Cl. 252-408.100.
Nagel, Ferenc: *See—*
Szanto, Janos; Hollo , Sandor; Nyiri, Balazs; and Nagel, Ferenc, 4,843,266, Cl. 313-25.000.
Nagel, Hans: *See—*
Harting, Dietmar; Nagel, Hans; Nowacki, Horst; and Schmidt, Hartmuth, 4,867,710, Cl. 439-757.000.
Nagel, Karl: *See—*
Conzelmann, Gerhard; and Nagel, Karl, 4,829,360, Cl. 357-46.000.
Nagel, Reimer; and Wendel, Ralf, to kabelmetal electro Gesellschaft mit beschrankter Haftung. Dipole exciter for an antenna. 4,855,750, 8-8-89, Cl. 343-770.000.
Nagel, Richard H.: *See—*
George, Clifford L.; and Nagel, Richard H., 4,830,186, Cl. 206-449.000.
Nagel, Robert I., to Tomar Electronics, Inc. Strobe flash lamp with focussed front beam and collimated lateral beams. 4,870,551, 9-26-89, Cl. 362-263.000.
Nagel, Rolf: *See—*
Deneke, Ulfert; Nagel, Rolf; Rothe, Anselm; and Freitag, Helmut, 4,876,067, Cl. 422-56.000.
Meyer, Rainer-Leo; John, Reinmar; Nagel, Rolf; and Muller, Gunter, 4,812,356, Cl. 428-220.000.
Muller, Gunter; Nagel, Rolf; and Stahli, Jurg, 4,874,812, Cl. 524-712.000.
Nagel, Sidney R.: *See—*
Banavar, Jayanth R.; Johnson, David L.; Nagel, Sidney R.; and Safinya, Kambiz A., 4,855,912, Cl. 364-422.000.
Nagel, Suzanne R.: *See—*
Barns, Robert L.; Chandross, Edwin A.; and Nagel, Suzanne R., 4,842,626, Cl. 65-2.000.
Nagel, Werner: *See—*
Kreher, Alfons; Nagel, Werner; Brandt, Bernd; and Peters, Albert, 4,807,819, Cl. 241-222.000.
Nagelberg, Alan S.: *See—*
Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., 4,824,625, Cl. 264-126.000.
Nagele, Dieter; Kohler, Gernot; and Bittihn, Rainer, to Varta Batterie Aktiengesellschaft. Electrochemical secondary element with at least one polymer electrode. 4,816,359, 3-28-89, Cl. 429-213.000.
Nagelhout, Jacob T.: *See—*
Ham, Wilhelmus J.; and Nagelhout, Jacob T., 4,837,823, Cl. 380-34.000.
Nagengast, William E.; and Luallin, John M., to General Motors Corporation. Headlamp ventilation system. 4,833,572, 5-23-89, Cl. 362-61.000.
Nagengast, William E.: *See—*
McMahan, David R.; Nagengast, William E.; and Geddie, John D., 4,851,976, Cl. 362-226.000.
Nageno, Koji: *See—*
Kamon, Yoshiyuki; Ogiwara, Akira; and Nageno, Koji, 4,874,316, Cl. 439-39.000.
Nager, Urs F., Jr., to Burndy Corporation. Electrical connection apparatus for flat conductor cables and similar articles. 4,821,409, 4-18-89, Cl. 29-747.000.
Nager, Urs F., Jr., to Burndy Corporation. Electrical connection apparatus for flat conductor cables and similar articles. 4,833,775, 5-30-89, Cl. 29-747.000.

Naghshineh, Shahram: *See—*
  Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.
Nagi, Paramjit S.: *See—*
  Locker, Richard W.; Chan, Philip P.; and Nagi, Paramjit S., 4,833,295, Cl. 219-121.630.
Nagira, Keiji, to Canon Kabushiki Kaisha. Electronic equipment utilizing forward/reverse rotation of motor. 4,822,019, 4-18-89, Cl. 271-9.000.
Nagji, Moez M.; and Holmes, Ervine S., to UOP. Integrated process for the removal of sulfur compounds from fluid streams. 4,830,733, 5-16-89, Cl. 208-208.00R.
Nagji, Moez M.; Holmes, Ervine S.; and Pai, Jenny L., to UOP. Integrated process for the removal of sulfur compounds from fluid streams. 4,830,734, 5-16-89, Cl. 208-208.00R.
Nagji, Moez M.; and Trubac, Robert E., to UOP. Process for the production of methyl tert.-alkyl ethers. 4,876,394, 10-24-89, Cl. 568-697.000.
Nagl, Gert: *See—*
  Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, 4,810,254, Cl. 8-554.000.
Nagl, Michael: *See—*
  Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, 4,805,880, Cl. 266-87.000.
  Papst, Gero; and Nagl, Michael, 4,874,037, Cl. 165-47.000.
Nagl, Wolfgang: *See—*
  Ochs, Rudolf; Moeller, Michael; Nagl, Wolfgang; and Gebhardt, Peter, 4,825,903, Cl. 137-529.000.
Nagle, David P., to United Technologies Corporation. Filter replacement mechanism. 4,841,628, 6-27-89, Cl. 29-723.000.
Nagle, Dennis C.: *See—*
  Brupbacher, John M.; Christodoulou, Leontios; and Nagle, Dennis C., 4,836,982, Cl. 420-129.000.
  Christodoulou, Leontios; Nagle, Dennis C.; and Brupbacher, John M., 4,800,065, Cl. 420-129.000.
Nagler, Franz: *See—*
  Kittel, Friedrich; Lutz, Dieter; Nagler, Franz; Oppitz, Horst; and Gasper, Gerhard, 4,852,419, Cl. 74-89.140.
  Thielen, Christoph; and Nagler, Franz, 4,796,718, Cl. 180-197.000.
Nagler, Josef: *See—*
  Brieseck, Bernd; and Nagler, Josef, 4,844,381, Cl. 244-3.290.
  Muller, Peter; Nagler, Josef; and Ahlers, Utz-Udo, 4,860,969, Cl. 244-3.270.
Nagler, Michael, to T. R. Whitney Corporation. Scanning imaging system and method. 4,832,429, 5-23-89, Cl. 350-6.800.
Nagler, Michael: *See—*
  Stein, Amnon; and Nagler, Michael, 4,853,709, Cl. 346-108.000.
Nagler, Peter M., to Sentinel Bag & Paper Company, Inc. Ovenable bag. 4,866,786, 9-12-89, Cl. 383-101.000.
Naglosky, Max, III: *See—*
  Johnson, Bruce E.; and Naglosky, Max, III, 4,818,589, Cl. 428-201.000. .
Nago, Atsushi: *See—*
  Baba, Hideki; Maeda, Hirokazu; Kurooka, Akira; and Nago, Atsushi, 4,861,611, Cl. 426-601.000.
Nagode, Gerald E.: *See—*
  Wilson, Jerry L.; and Nagode, Gerald E., 4,819,934, Cl. 272-76.000.
Nagorzanski, Al J.: *See—*
  Deli, Jack M.; Nagorzanski, Al J.; Karpiel, Harvey B.; and Pisani, Marino J., 4,844,195, Cl. 180-9.500.
Nagoshi, Mitsuru, to Konishiroku Photo Industry Company Ltd. Variable magnification copying machine. 4,803,525, 2-7-89, Cl. 355-55.000.
Nagoya Oilchemical Co., Ltd.: *See—*
  Horiki, Seinosuke; and Makino, Reiji, 4,822,650, Cl. 428-34.200.
  Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,835,026, Cl. 428-40.000.
  Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,844,285, Cl. 220-287.000.
  Horiki, Seinosuke; Makino, Reiji; Ito, Kuninori; and Unno, Tetuji, 4,868,045, Cl. 428-314.400.
  Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,879,158, Cl. 428-159.000.
Nagoya University: *See—*
  Akasaki, Isamu; and Sawaki, Nobuhiko, 4,855,249, Cl. 437-81.000.
  Hane, Kazuhiro; and Hattori, Shuzo, 4,870,865, Cl. 73-512.000.
Nagoyo Screw Mfg. Co., Ltd.: *See—*
  Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, 4,838,961, Cl. 148-12.400.
Nagumo, Akihiko; Ishikawa, Minoru; and Kawada, Ken, to Fuji Photo Film Co., Ltd. Image recording apparatus and method. 4,799,085, 1-17-89, Cl. 355-27.000.
Nagumo, Akihiko; and Ishikawa, Minoru, to Fuji Photo Film Co., Ltd. Image forming apparatus with variable transfer pressure. 4,809,598, 3-7-89, Cl. 100-156.000.
Nagumo, Akihiko, to Fuji Photo Film Co., Ltd. Belt tensioning mechanism in a thermally developing apparatus. 4,819,032, 4-4-89, Cl. 355-27.000.
Nagumo, Akihiko, to Fuji Photo Film Co., Ltd. Pressurizing-type image forming device. 4,821,072, 4-11-89, Cl. 355-27.000.
Nagumo, Akihiko; and Ishikawa, Minoru, to Fuji Photo Film Co., Ltd. Thermal developing apparatus. 4,825,041, 4-25-89, Cl. 219-244.000.
Nagumo, Akihiko; and Yoshino, Shigeru, to Fuji Photo Film Co., Ltd. Moisture-controlled image recording apparatus. 4,853,743, 8-1-89, Cl. 355-27.000.
Nagumo, Akihiko: *See—*
  Ogiwara, Nagao; and Nagumo, Akihiko, 4,827,312, Cl. 355-27.000.
Nagumo, Katsuyuki: *See—*
  Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
Nagumo, Tadanobu; Takei, Sadakazu; and Tozawa, Yukio, to Yokohama Rubber Co., Ltd., The. Pneumatic radial tire arrangement for vehicle. 4,854,360, 8-8-89, Cl. 152-529.000.
Nagura, Nobuyoshi: *See—*
  Oka, Hiroki; and Nagura, Nobuyoshi, 4,876,527, Cl. 340-441.000.
Nagura, Osamu; Inoue, Osamu; Kamikuri, Yoshimasa; and Takizuka, Norikazu, to Nippon Oil and Fats Co., Ltd. Fluidity controlling agent for paints. 4,839,406, 6-13-89, Cl. 524-196.000.
Nagura, Osamu: *See—*
  Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.
  Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.
  Takemoto, Masayuki; Nagura, Osamu; Nomura, Yukio; and Yasuda, Minoru, 4,883,858, Cl. 528-322.000.
Nagura, Shigehiro: *See—*
  Ogawa, Kinya; Yamamoto, Akira; Aiba, Noboru; and Nagura, Shigehiro, 4,834,745, Cl. 604-890.100.
Nagy, Ernest J. Applicator device. 4,872,411, 10-10-89, Cl. 111-7.100.
Nagy, Gabor; Neumann, Gyorgy; Kovacs, Marta; and Strompl, Andras, to BRG Mechatronikai Vallalat. Tape-conveying system for forward and backward playing magnetic tape recorder and/or playback unit. 4,877,199, 10-31-89, Cl. 242-201.000.
Nagy, Gabor; and Neumann, Gyorgy, to Egyesult Izzolampa es Villamossagi RT. Clutch arrangement, mainly for driving the tape-spindle of magnetic tape recorder and/or play-back unit. 4,889,216, 12-26-89, Cl. 192-48.400.
Nagy, Gabor: *See—*
  Lam, Bela; Kalman, Laszlo; Nagy, Gabor; and Marso, Sandor, 4,865,730, Cl. 210-222.000.
Nagy, Gabor S.; Akeson, Richard C.; Sweenie, Richard E.; Novak, Mark E.; Maisch, Harry K.; Widule, Thomas J.; Ding, Gustav L. P. and Jackson, Jared K., to Automatik Machinery Corporation. Melt indexer system with robot operation. 4,882,930, 11-28-89, Cl. 73-56.000.
Nagy, Gyula: *See—*
  Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, 4,795,564, Cl. 210-665.000.
Nagy, Imre. Bottle siphon and dispenser. 4,860,932, 8-29-89, Cl. 222-402.100.
Nagy, Imre: *See—*
  Foldi, Tivadar; Biro, Gabor; Barna, Tamas; and Nagy, Imre, 4,833,577, Cl. 362-247.000.
Nagy, James P.: *See—*
  Mourray, Jack W.; and Nagy, James P., 4,838,393, Cl. 188-284.000.
Nagy, Janos: *See—*
  Knoll, Jozsef; Harmath, Sandor; Nagy, Janos; and Knoll, Bera, 4,859,766, Cl. 530-380.000.
Nagy, Jeffrey J.: *See—*
  Morris, Bernard L.; Nagy, Jeffrey J.; and Walter, Lawrence A., 4,830,976, Cl. 437-47.000.
Nagy, Joan M. Telescoping nozzle assembly. 4,817,832, 4-4-89, Cl. 222-530.000.
Nagy, Jozsef: *See—*
  Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavlicsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
Nagy, Kornel: *See—*
  Scott, Carl D.; Nagy, Kornel; Roberts, Barney B.; Ried, Robert C.; Kroll, Kenneth R.; and Gamble, Joe, 4,817,895, Cl. 244-138.00R.
Nagy, Lajos: *See—*
  Friesz, Antal; Nad, Zsuzsanna; Nagy, Lajos; and Kallay, Tamas, 4,820,838, Cl. 544-268.000.
  Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
  Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Sopter, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karasonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.

Nagy, Lajos G.: *See—*
  Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.
Nagy, Louis L.; and Funke, Jimmy L., to General Motors Corporation. Vehicle slot antenna with parasitic slot. 4,866,453, 9-12-89, Cl 343-712.000.
Nagy, Michael A.: *See—*
  Boyle, Peter C.; Steffen, Daniel G.; Melton, John L.; Coccodrilli, Gus D., Jr.; and Nagy, Michael A., 4,874,606, Cl. 426-74.000.
Nagy nee Csokas, Gyongyi: *See—*
  Kasrtreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszio; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
  Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
Nagy, Neil F. Truck bed liners. 4,872,720, 10-10-89, Cl. 296-39.100.
Nagy-Szakaly, Joseph. Seed embedding implement. 4,843,982, 7-4-89, Cl. 111-96.000.
Nagy, Thomas. Box holder with handle. 4,889,376, 12-26-89, Cl. 294-33.000.
Nagy, Tibor: *See—*
  Kovacs, Ferenc; Lengyel, Miklosne ; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, 4,860,798, Cl. 138-133.000.
Nagy, Zoltan: *See—*
  Yonco, Robert M.; and Nagy, Zoltan, 4,818,366, Cl. 204-408.000.
Nagyszalanczy, Lorant, to Allied Signal, Inc. Rotary separator with a bladeless intermediate portion. 4,832,709, 5-23-89, Cl. 55-1.000.
Nahachewski, Vladimir W. Foot guards for all terrain vehicles. 4,852,900, 8-1-89, Cl. 280-291.000.
Nahachewski, Vladimir W. Anti-tip device for a vehicle. 4,886,294, 12-12-89, Cl. 280-755.000.
Nahamoo, David: *See—*
  Bahl, Lalit R.; Mercer, Robert L.; and Nahamoo, David, 4,817,156, Cl. 381-43.000.
Nahara, Akira: *See—*
  Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,865,878, Cl. 427-131.000.
  Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,868,070, Cl. 428-626.000.
  Nagao, Makoto; Sano, Kuniniko; Yamanaka, Fusao; and Nahara, Akira, 4,869,797, Cl. 204-192.160.
  Sano, Kunihiko; Nagao, Makoto; Nahara, Akira; Nishikawa, Yasuo; and Iwasaki, Hiroyuki, 4,840,843, Cl. 428-336.000.
  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,802,160, Cl. 369-284.000.
  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,808,456, Cl. 428-65.000.
  Yamamoto, Ryoichi; Nomura, Masaaki; Yamada, Takashi; and Nahara, Akira, 4,837,118, Cl. 428-645.000.
  Yamanaka, Fusao; Nagao, Makoto; and Nahara, Akira, 4,867,101, Cl. 118-718.000.
Nahas, Roger A. Aircraft flap assembly. 4,881,703, 11-21-89, Cl. 244-213.000.
Nahm, Steven H., to Hercules Incorporated. Polyfunctional ethylenically unsaturated cellulosic polymer-based photocurable compositions. 4,861,629, 8-29-89, Cl. 427-355.000.
Nahrmann, Norbert: *See—*
  Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, 4,878,623, Cl. 241-5.000.
Nahum, Kedar, to LSL, Inc. Long shelf life heterozygous tomato plant. 4,843,186, 6-27-89, Cl. 800-1.000.
Naidenov, Evgeny V.; Belozerov, Georgy I.; Salov, Viktor E.; and Zakharov, Ivan V. System for automated monitoring of trim and stability of a vessel. 4,872,118, 10-3-89, Cl. 364-463.000.
Naids, Richard: *See—*
  DellaVecchia, Michael; and Naids, Richard, 4,850,376, Cl. 128-858.000.
Naigai Carbon Ink Co., Ltd.: *See—*
  Matsumoto, Shinichi; Kitada, Nobuhiko; and Tanaka, Akihiro, 4,814,319, Cl. 503-216.000.
Naigai Foods Kabushikikaisha: *See—*
  Kakimoto, Norihiro; Sakai, Teizou; and Sasaki, Yoshinori, 4,849,236, Cl. 426-322.000.
Naigai Special Dyeing Co., Ltd.: *See—*
  Iwami, Hideo, 4,813,249, Cl. 68-244.000.
  Iwami, Hideo, 4,818,244, Cl. 8-149.100.
Naik, Rajeev V.: *See—*
  Nagan, Raymond M.; Marrero, Antulio D.; Naik, Rajeev V.; and Gleyzer, Victoria, 4,832,105, Cl. 164-61.000.
Naik, Seb: *See—*
  Smith, Kevin K.; Allsop, Bryan E.; and Naik, Seb, 4,882,482, Cl. 250-214.00A.
Naik, Subhash K., to AVCO Corporation. High strength nickel base single crystal alloys. 4,885,216, 12-5-89, Cl. 428-680.000.
Naiki, Kazuaki, to NEC Corporation. Electrode assembly for electrostatic lens of electron gun. 4,800,318, 1-24-89, Cl. 313-414.000.
Nail, Billie G., to Adams Rite Manufacturing Company. Accurately and easily adjustable mullion. 4,858,350, 8-22-89, Cl. 49-505.000.
Nail, James W., to Craftsman Printing Company. Apparatus for compiling sheets in a binding line. 4,799,661, 1-24-89, Cl. 270-54.000.
Nail, Richard: *See—*
  Krenik, William R.; Hsu, Wei-chan; and Nail, Richard, 4,887,048, Cl. 330-258.000.
Naiman, Abraham C. Grayscale character generator and method. 4,851,825, 7-25-89, Cl. 340-728.000.
Naiman, Charles S.; King, Marvin; and Greenebaum, Michael, to Riverside Research Institute. Covert optical system for probing and inhibiting remote targets. 4,836,672, 6-6-89, Cl. 356-5.000.
Naiman, Mark L.: *See—*
  Raffel, Jack I.; Yasaitis, John A.; Chapman, Glenn H.; Naiman, Mark L.; and Burns, James A., 4,810,663, Cl. 437-19.000.
Naimark, Michael; and Carson, Kenneth M., to Advanced Interaction, Inc. Position-dependent interactivity system for image display. 4,857,902, 8-15-89, Cl. 340-709.000.
Naimpally, Saiprasad V., to North American Philips Consumer Electronics Corp. Method and apparatus for reducing analog/digital converter requirements in picture-in-picture television circuits. 4,827,343, 5-2-89, Cl. 358-183.000.
Naimpally, Saiprasad V., to North American Philips Corporation. Non-linear comb filter for color TV receivers. 4,845,547, 7-4-89, Cl. 358-31.000.
Naimpally, Saiprasad V.: *See—*
  Meyer, Edwin R.; and Naimpally, Saiprasad V., 4,809,069, Cl. 358-166.000.
Naioh, Masanori: *See—*
  Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naioh, Masanori; and Sugisaki, Toshihiko, 4,859,401, Cl. 376-282.000.
Naipawer, Richard E.: *See—*
  Rohr, Martin; Potter, Richard H.; and Naipawer, Richard E., 4,851,050, Cl. 131-276.000.
Nair, Balakrishnan R.; Richardson, Raymond V.; and Mello, Raymond M., to Westinghouse Electric Corp. Lightweight titanium cask assembly for transporting radioactive material. 4,825,088, 4-25-89, Cl. 250-506.100.
Nair, Kumaran M., to Du Pont de Nemours, E. I., and Company. Glass ceramic dielectric compositions. 4,820,661, 4-11-89, Cl. 501-79.000.
Nair, Mridula; Pierce, Zona R.; and Sreekumar, Chandra, to Eastman Kodak Company. Polymeric powders having a predetermined and controlled size and size distribution. 4,833,060, 5-23-89, Cl. 430-137.000.
Nair, Mridula; and Pierce, Zona R., to Eastman Kodak Company. Electrostatographic toner and method of producing the same. 4,835,084, 5-30-89, Cl. 430-137.000.
Nair, Muraleedharan G.: *See—*
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Naito, Yoshihiro, to Aisin Seiki Kabushiki Kaisha. Stirling engine. 4,881,372, 11-21-89, Cl. 60-521.000.

Naito, Yoshihiro: *See—*

Sakaida, Atsushi; Suzuki, Masanori; and Naito, Yoshihiro, 4,795,524, Cl. 156-498.000.

Naito, Yoshikazu; Nakatani, Keiji; and Wada, Kanji, to Minolta Camera Kabushiki Kaisha. Multi-functional imaging apparatus. 4,821,107, 4-11-89, Cl. 358-256.000.

Naito, Yoshikazu, to Minolta Camera Kabushiki Kaisha. Exposure control device and method. 4,879,576, 11-7-89, Cl. 355-214.000.

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Naito, Yushi, to Mitsubishi Denki Kabushiki Kaisha. Plesiochronous matching apparatus. 4,821,227, 4-11-89, Cl. 364-900.000.

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Uozu, Hisahiro; Naitoh, Akio; and Numaguchi, Toru, 4,849,187, Cl. 422-197.000.

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Naitoh, Masanori: *See—*

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Naitoh, Mitsugu: *See—*

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Naitoh, Takashi: *See—*

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Naitou, Katsumi, to Nippon Tsushin Densen Company, Ltd. Helical antenna for small portable wireless devices. 4,849,767, 7-18-89, Cl. 343-745.000.

Naitou, Satoomi: *See—*

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Naitou, Satoshi: *See—*

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Naitou, Tsutomu: *See—*

Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.

Naitou, Yasuo: *See—*

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Naji, Hooshang: *See—*

Clyne, Carl W.; Woolever, Gary L.; Teng, James; and Naji, Hooshang, 4,801,466, Cl. 426-232.000.

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Najjar, Mitri S.; and Roland, James, to Texaco Inc. Partial oxidation process of sulfur, nickel, and vanadium-containing fuels. 4,857,229, 8-15-89, Cl. 252-373.000.

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Najjar, Mitri Salim; and Gates, Walter C., Jr., to Texaco Inc. Partial oxidation process. 4,801,402, 1-31-89, Cl. 252-373.000.

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Najvar, Daniel J.: *See—*

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Naka, Ichiro: *See—*

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Naka, Kenichi: *See—*

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Naka, Mitsumura: *See—*

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Akiyama, Yoshihiro; Naka, Teruyuki; Urata, Yoshihito; and Sasaki, Toshiharu, 4,816,921, Cl. 358-256.000.

Naka, Yasuhiro: *See—*

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Naka, Yoshihiro, to NEC Corporation. Secondary station operable in a data communication network like a primary station upon occurrence of a fault. 4,807,226, 2-21-89, Cl. 371-8.000.

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Nakabayashi, Kazuto, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,845,430, 7-4-89, Cl. 324-309.000.

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Nakabayashi, Masamitsu; Furukawa, Yuzo; and Hori, Teruo, to Takeda Chemical Industries, Ltd. Heat adherable resin compositions and aluminum sheet laminated with the compositions. 4,828,920, 5-9-89, Cl. 428-349.000.

Nakabayashi, Nobuo: *See—*

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Nakabayashi, Sumie: *See—*

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Nakabayashi, Takeo; and Nakaya, Masao, to Mitsubishi Denki Kabushiki Kaisha. Variable delay circuit for delaying input data. 4,876,670, 10-24-89, Cl. 365-194.000.

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Nakabayashi, Takeo: *See—*

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Ando, Hideki; and Nakabayashi, Takeo, 4,866,310, Cl. 307-480.000.

Machida, Hirohisa; and Nakabayashi, Takeo, 4,827,157, Cl. 307-262.000.

Nakaya, Masao; Nakabayashi, Takeo; and Andou, Hideki, 4,870,300, Cl. 307-303.000.

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Nakatani, Hiroshi; Kawaguchi, Hisao; and Nakabu, Shigeo, 4,862,153, Cl. 340-719.000.

Nakach, Alain; Sole, Jean; and Starzynski, Pierre, to Commissariat a L'Energie Atomique. Static relay and application thereof to a bipolar inverter or to a load in which a current flows in a random direction. 4,847,515, 7-11-89, Cl. 307-255.000.

Nakachi, Osamu: *See—*

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Nakachi, Takeshi; Hata, Akio; and Watanabe, Yoshihisa, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Quaternary-containing resin used for magnetic recording media. 4,861,683, 8-29-89, Cl. 428-694.000.

Nakacho, Yoshifumi; Tada, Yuji; and Yamada, Sinichi, to Otsuka Kagaku Kabushiki Kaisha. Allyl group-containing oligoethyleneoxypolyphosphazenes, process for their preparation, and their use. 4,840,856, 6-20-89, Cl. 429-192.000.

Nakada, Akihiko: *See—*

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Nakada, Akihisa, to Woo, Park H. Personal memento including a milk tooth of a child. 4,888,251, 12-19-89, Cl. 428-542.400.

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Nakada, Kazuhiko: *See—*

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Nakada, Kazuhiro, to NEC Corporation. Dual port memory device with improved serial access scheme. 4,870,621, 9-26-89, Cl. 365-230.050.

Nakada, Kimiaki: *See—*

Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Ushiro, Seimei, 4,829,384, Cl. 358-229.000.

Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Masuda, Akira, 4,862,280, Cl. 358-229.000.

Nakada, Morihito: *See—*

Tanino, Katsumi; and Nakada, Morihito, 4,826,616, Cl. 252-62.900.

Nakada, Toshio; Takemura, Fumio; and Ishiwata, Masao, to Tokai Carbon Co., Ltd. Carbonaceous granular heat insulator and process for preparing the same. 4,888,215, 12-19-89, Cl. 427-215.000.

Nakada, Tsutomu; and Naka, Yasuhiro, to Nippon Aleph Corporation. Reed switch device. 4,837,537, 6-6-89, Cl. 335-153.000.

Nakada, Yasusuke: *See—*

Matsushita, Toshio; Amano, Hideaki; Yamaura, Satoru; Nakamura, Shigeo; and Nakada, Yasusuke, 4,855,853, Cl. 360-106.000.

Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, to Fuji Photo Film Co., Ltd. Electronic still video record/play head positioner having both open and closed loop positioning control. 4,811,133, 3-7-89, Cl. 360-77.030.

Nakadai, Katsuo: *See—*

Iwase, Yoshiki; Nakadai, Katsuo; Miyake, Izumi; Kaneko, Kiyotaka; and Oda, Kazuya, 4,804,925, Cl. 329-50.000.

Minoura, Nobuo; Nakadai, Katsuo; Harase, Toshikatsu; and Iwamatsu, Satoshi, 4,803,573, Cl. 360-78.130.

Minoura, Nobuo; and Nakadai, Katsuo, 4,812,922, Cl. 360-10.100.

Miyake, Izumi; Kaneko, Kiyotaka; Oda, Kazuya; and Nakadai, Katsuo, 4,835,631, Cl. 360-77.040.

Nakadate, Takanori: *See—*

Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.

Nakade, Toshimitsu; Kuki, Masaru; and Uno, Takaaki, to Sharp Kabushiki Kaisha. Multi-task execution control system. 4,847,751, 7-11-89, Cl. 364-200.000.

Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, to Mita Industrial Co., Ltd. Display for image forming apparatus. 4,821,070, 4-11-89, Cl. 355-14.00R.

Nakadozono, Hiroshi; and Mori, Yusuke, to Nissan Motor Company, Limited. Meter for a vehicle. 4,872,415, 10-10-89, Cl. 116-288.000.

Nakae, Kiyohiko: *See—*

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Negawa, Hideo; and Ikeda, Tsuneta, 4,826,729, Cl. 428-411.100.

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Nakatsuji, Yoshihiro, 4,828,345, Cl. 350-1.600.

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Kume, Takanori, 4,829,096, Cl. 521-79.000.

Nakae, Kouichi: *See—*
- Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.

Nakae, Yoshio; Kinoshita, Akiyo; and Tanaka, Koichi, to Kabushiki Kaisha Nisshin Seisakusho. Truing device for hones. 4,811,521, 3-14-89, Cl. 51-5.00D.

Nakafuji, Minoru: *See—*
- Hashimoto, Toshio; and Nakafuji, Minoru, 4,886,529, Cl. 51-165.710.

Nakagaki, Masayuki: *See—*
- Miyazima, Koichiro; Tomita, Keiko; and Nakagaki, Masayuki, 4,883,665, Cl. 424-417.000.

Nakagaki, Shintaro; and Negishi, Ichiro, to Victor Company of Japan, Ltd. Color television image pickup device with a stripe filter. 4,829,369, 5-9-89, Cl. 358-41.000.

Nakagaki, Shintaro: *See—*
- Negishi, Ichiro; Nakagaki, Shintaro; and Ichimura, Hiroshi, 4,811,088, Cl. 358-47.000.
- Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.
- Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,855,816, Cl. 358-47.000.
- Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,857,995, Cl. 358-47.000.
- Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, 4,890,124, Cl. 346-160.000.

Nakagami, Hidekazu: *See—*
- Matsushita, Kouji; Nakagami, Hidekazu; Nishioka, Nobuaki; and Makio, Tatsumi, 4,811,045, Cl. 355-3.0CH.

Nakagami, Taro; Fukami, Takeshi; and Terauchi, Toshiro, to Sony Corporation. Synchronizing system for digital apparatus. 4,876,719, 10-24-89, Cl. 381-1.000.

Nakagawa, Akio; Ohashi, Hiromichi; Yamaguchi, Yoshihiro; Watanabe, Kiminori; and Thukakoshi, Thuneo, to Kabushiki Kaisha Toshiba. Conductive modulated MOSFET. 4,881,120, 11-14-89, Cl. 357-23.400.

Nakagawa, Akio: *See—*
- Ogura, Tsuneo; Takigami, Katsuhiko; Nakagawa, Akio; and Domon, Tomokazu, 4,821,083, Cl. 357-38.000.
- Ogura, Tsuneo; and Nakagawa, Akio, 4,866,315, Cl. 307-637.000.
- Yamaguchi, Yoshihiro; Watanabe, Kiminori; Nakagawa, Akio; Furukama, Kazuyoshi; Fukuda, Kiyoshi; and Tanzawa, Katsujiro, 4,878,957, Cl. 148-33.300.

Nakagawa, Akira; and Sakai, Michinori, to Hisamitsu Pharmaceutical Co., Ltd. Azacycloalkane derivatives, absorption promoters containing the derivatives as the effective ingredient and external preparations containing the absorption promoters. 4,882,359, 11-21-89, Cl. 514-947.000.

Nakagawa, Akira: *See—*
- Omura, Satoshi; Nakagawa, Akira; and Iwai, Yuzuru, 4,886,884, Cl. 546-36.000.
- Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Nakagawa, Banri; and Nojima, Katsuyuki, to International Business Machines Corporation. Video display system for scrolling text in selected portions of a display. 4,873,514, 10-10-89, Cl. 340-726.000.

Nakagawa, Fumihiro: *See—*
- Morimoto, Toru; and Nakagawa. Fumihiro, 4,828,932, Cl. 428-608.000.
- Morimoto, Toru; and Nakagawa, Fumihiro, 4,834,281, Cl. 228-117.000.

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Nakagawa, Fumio: *See—*
- Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, 4,880,282, Cl. 303-116.000.

Nakagawa, Hideaki: *See—*
- Ohkoshi, Akio; Nakagawa, Hideaki; Tsuruta, Koji; Sugii, Yasuyoshi; and Wada, Haruaki, 4,857,800, Cl. 313-495.000.

Nakagawa, Hideshi: *See—*
- Tanaka, Seiji; and Nakagawa, Hideshi, 4,853,519, Cl. 219-497.000.

Nakagawa, Hiroaki; Kondo, Masahiro; and Ohishi, Noriake, to Mitsui Petrochemical Industries, Ltd. Process for preparation of cellulose ester films. 4,812,279, 3-14-89, Cl. 264-311.000.

Nakagawa, Hiroaki: *See—*
- Kaya, Toshio; Fujimoto, Makoto; and Nakagawa, Hiroaki, 4,828,640, Cl. 156-248.000.

Nakagawa, Hiromasa: *See—*
- Yamada, Akira; Yoshida, Toyohiko; and Nakagawa, Hiromasa, 4,807,176, Cl. 364-786.000.

Nakagawa, Hiroshi: *See—*
- Tateishi, Mataji; Kunimoto, Etsuo; Nakagawa, Hiroshi; and Takaishi, Tatsuo, 4,864,990, Cl. 123-304.000.

Nakagawa, Hirotaka: *See—*
- Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.

Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, to Hitachi, Ltd.; and Kansai Electric Power Co., Inc. Variable-speed generator/motor system. 4,812,730, 3-14-89, Cl. 318-732.000.

Nakagawa, Hiroto: *See—*
- Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.
- Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
- Kuwabara, Takao; Bando, Akira; Haraguchi, Eiji; and Nakagawa, Hiroto, 4,823,018, Cl. 290-7.000.

Nakagawa, Hiroyoshi; Nishi, Eiichi; and Kanda, Masanori, to Nihon Parkerizing Co., Ltd. Process and composition for treatment of titanium and titanium alloys. 4,846,897, 7-11-89, Cl. 148-251.000.

Nakagawa, Hiroyoshi: *See—*
- Nishi, Eiichi; Aso, Fumio; and Nakagawa, Hiroyoshi, 4,808,245, Cl. 148-6.15R.

Nakagawa, Ippei: *See—*
- Kirihara, Tomoo; Nakagawa, Ippei; Seki, Yoshinobu; and Honda, Yutaka, 4,857,155, Cl. 204-61.000.
- Matsui, Haruo; Nakagawa, Ippei; and Kato, Kiyotaka, 4,873,073, Cl. 423-617.000.

Nakagawa, Isao: *See—*
- Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.
- Murata, Toshinori; Arai, Ikuya; Kurita, Toshiyuki; and Nakagawa, Isao, 4,860,090, Cl. 358-21.00R.
- Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, 4,821,112, Cl. 358-17.000.

Nakagawa, Junichi; and Kuwamoto, Yoshitomo, to Hitachi, Ltd. Radio communication apparatus free from interference between local signal and transmission signal. 4,864,634, 9-5-89, Cl. 455-76.000.

Nakagawa, Kaoru; and Nagaba, Katsushi, to Kabushiki Kaisha Toshiba. Latch circuit constructed with MOS transistors and shift register using the latch circuits. 4,860,327, 8-22-89, Cl. 377-79.000.

Nakagawa, Kaoru; Yamamoto, Yoshio; and Matsuoka, Nobutaka, to Kabushiki Kaisha Toshiba. Method of manufacturing an soi-type semiconductor device. 4,888,304, 12-19-89, Cl. 437-86.000.

Nakagawa, Kaoru: *See—*
- Takeuchi, Yoshiaki; and Nakagawa, Kaoru, 4,856,034, Cl. 377-74.000.

Nakagawa, Katsuhiro, to Hitachi, Ltd. Control in mass analyzer. 4,812,649, 3-14-89, Cl. 250-296.000.

Nakagawa, Katsuji; Itoh, Masaki; Morimoto, Akio; and Sakai, Mitsuru, to NEC Corporation. Optical information recording medium. 4,839,208, 6-13-89, Cl. 428-64.000.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, to Canon Kabushiki Kaisha. Thin film transistor utilizing hydrogenated polycrystalline silicon. 4,814,842, 3-21-89, Cl. 357-23.700.

Nakagawa, Katsumi; Komatsu, Toshiyuki; Seitoh, Shinichi; and Hatanaka, Katsunori, to Canon Kabushiki Kaisha. Image readout apparatus. 4,827,345, 5-2-89, Cl. 358-213.270.

Nakagawa, Katsumi; Kawakami, Soichiro; Gofuku, Ihachiro; Hatanaka, Katsunori; Fukaya, Masaki; and Komatsu, Toshiyuki, to Canon Kabushiki Kaisha. Photoconductive type sensor and its driving method and apparatus. 4,845,355, 7-4-89, Cl. 250-211.00J.

Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, to Canon Kabushiki Kaisha. Functional ZnSe:H deposited films. 4,851,302, 7-25-89, Cl. 428-658.000.

Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi, Sakai, Akira; and Murakami, Tsutomu, to Canon Kabushiki Kaisha. Pin junction photovoltaic element having I-type semiconductor layer comprising non-single crystal material containing at least Zn, Se and H in an amount of 1 to 4 atomic %. 4,888,06 12-19-89, Cl. 136-258.000.

Nakagawa, Katsumi: *See—*
- Fukuda, Tadaji; Hirai, Yutaka; Nakagawa, Katsumi; and Komatsu, Toshiyuki, 4,818,656, Cl. 430-65.000.
- Gofuku, Ihachiro; Osada, Yoshiyuki; and Nakagawa, Katsumi, 4,886,962, Cl. 250-211.00J.
- Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
- Komatsu, Toshiyuki; Hirai, Yutaka; Nakagawa, Katsumi; and Fukuda, Tadaji, 4,830,946, Cl. 430-128.000.

Nakagawa, Katsuya, to Nintendo Co., Ltd. System for determining authenticity of an external memory used in an information processing apparatus. 4,799,635, 1-24-89, Cl. 364-900.000.

Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, to Nintendo Co., Ltd.; and Tatsuta Electric Wire & Cable Co. Printed circuit board capable of preventing electromagnetic interference. 4,801,4 1-31-89, Cl. 428-209.000.

Nakagawa, Katsuya, to Nintendo Co., Ltd. Recordable data device having identification symbols formed thereon and cooperating data processing system having registering symbols. 4,860,128, 8-22-89, Cl. 360-60.000.

Nakagawa, Katsuya; and Yukawa, Masayuki, to Nintendo Company Limited. Memory cartridge and information processor unit using such cartridge. 4,865,321, 9-12-89, Cl. 273-85.00G.

Nakagawa, Kazuhiko: *See—*
- Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Mitunori, 4,859,166, Cl. 425-204.000.

Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Tadashi; and Iwasaki, Masahiro, to Shimadzu Corporation. Bent axis type axial piston pump or motor. 4,872,394, 10-10-89, Cl. 91-506.000.

Nakagawa, Kazuyuki: *See—*
- Abiko, Atsushi; Fujioka, Takafumi; Nakagawa, Kazuyuki; and Kondo, Kazumi, 4,845,100, Cl. 514-253.000.
- Banno, Kazuo; Fujioka, Takafumi; Oshiro, Yasuo; and Nakagawa, Kazuyuki, 4,824,840, Cl. 514-218.000.
- Uchida, Minoru; Morita, Seiji; Chihiro, Masatoshi; and Nakagawa, Kazuyuki, 4,880,815, Cl. 514-303.000.

Nakagawa, Keiji; Nakatani, Ikuyoshi; Sakai, Takamasa; and Muraoka, Yusuke, to Dainippon Screen Mfg. Co., Ltd. Heat processing apparatus for semiconductor manufacturing. 4,803,948, 2-14-89, Cl. 118-725.000.

Nakagawa, Keiji: *See—*
- Ishiwata, Ichiro; and Nakagawa, Keiji, 4,813,450, Cl. 137-505.250.
- Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, 4,849,608, Cl. 219-390.000.

Nakagawa, Kenichi, Tsubota, Kojiro; and Yamamoto, Kunihiko, to Sharp Kabushiki Kaisha. Virtual stereographic display system. 4,870,486, 9-26-89, Cl. 358-92.000.

Nakagawa, Kenji, to Fujitsu Limited. Deformation free X-ray exposure mask for X-ray lithography. 4,881,257, 11-14-89, Cl. 378-35.000.

Nakagawa, Kiyohito: *See—*
- Motoki, Yoshimitsu; Nakagawa, Kiyohito; and Tada, Morio, 4,850,222, Cl. 73-317.000.

Nakagawa, Kiyoshi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Working apparatus for crankshaft. 4,870,845, 10-3-89, Cl. 72-1.000.

Nakagawa, Koichi; and Imura, Kazunori, to Seitetsu Kagaku Co., Ltd. Method for anesthetizing aquatic animals. 4,807,615, 2-28-89, Cl. 128-203.120.

Nakagawa, Koichi: *See—*
- Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.000.

Nakagawa, Koji; Takagi, Takeo; Abe, Yoshiaki; and Sakai, Haruki, to Hitachi, Ltd. Diffuser for centrifugal compressor. 4,877,370, 10-31-89, Cl. 415-148.000.

Nakagawa, Koji: *See—*
- Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,838,923, Cl. 71-86.000.
- Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,845,264, Cl. 560-053.000.
- Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; Yamaji, Teizo; and Ichikawa, Yataro, 4,846,877, Cl. 71-92.000.
- Hiramatsu, Toshiyuki; Azuma, Shizuo; Nakagawa, Koji; and Ichikawa, Yataro, 4,812,163, Cl. 71-92.000.

Nakagawa, Kouichi: *See—*
- Kawashimo, Hiroshi; Nakagawa, Kouichi; and Shimomura, Kou, 4,824,801, Cl. 437-187.000.

Nakagawa, Masakatu, to Omron Tateisi Electronics Co. Bank note cartridge identification system for cash dispenser. 4,808,801, 2-28-89, Cl. 235-379.000.

Nakagawa, Masakazu: *See—*
- Takamiya, Sanshiro; and Nakagawa. Masakazu, 4,832,005, Cl. 600-18.000.

Nakagawa, Masaru: *See—*
- Hiro, Masaaki; Nakagawa, Masaru; Kawamorita, Yoichi; and Yamazaki, Koji, 4,860,898, Cl. 206-455.000.
- Hiro, Masaaki; Kimura, Tomohiro; Yoshihara, Toshiyuki; Kawamorita, Yoichi; and Nakagawa, Masaru, 4,863,823, Cl. 430-58.000.

Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, to Murata Manufacturing Co., Ltd. Method of manufacturing an electric component with a lead wire secured in a through hole. 4,803,777, 2-14-89, Cl. 29-856.000.

Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, to Murata Manufacturing Co., Ltd. Electrical component having a lead wire secured in a through hole. 4,823,103, 4-18-89, Cl. 336-175.000.

Nakagawa, Mikio: *See—*
- Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.

Nakagawa, Mitsuo: *See—*
- Suzumori, Takeo; Masumoto, Isamu; Nakagawa, Mitsuo; and Iha, Yukihiro, 4,814,424, Cl. 528-249.000.

Nakagawa, Norifumi; and Matsumoto, Junichi, to COPAL Company Limited. Aperture control apparatus of programming shutter. 4,835,564, 5-30-89, Cl. 354-435.000.

Nakagawa, Norihisa: *See—*
- Kawai, Taiyo; Nakagawa, Norihisa; and Sano, Shin-ichi, 4,856,473, Cl. 123-308.000.

Nakagawa, Norio; Takagi, Katsuaki; and Aoki, Hirokazu, to Hitachi, Ltd. Content-addressed memory. 4,831,586, 5-16-89, Cl. 365-49.000.

Nakagawa, Norio: *See—*
- Takagi, Katsuaki; Aoki, Hirokazu; Nakagawa, Norio; and Hagiwara, Yoshimune, 4,812,969, Cl. 364-200.000.

Nakagawa, Nozomu; Kubota, Masaru; and Chino, Shuichi, to Polyplastics Co., Ltd. Polyoxymethylene compositions and method of manufacturing the same. 4,861,814, 8-29-89, Cl. 524-102.000.

Nakagawa, Osamu; Yanagitani, Koji; Sasaki, Ikuo; and Banjo, Toshinobu. Mold for molding semiconductor devices. 4,818,204, 4-4-89, Cl. 249-83.000.

Nakagawa Sangyo Co., Ltd.: *See—*
- Inoue, Takeshi; Funabashi, Hiroshi; and Nakagawa, Yukihiro, 4,880,078, Cl. 181-232.000.

Nakagawa, Satoshi: *See—*
- Miura, Norio; Kida, Shuji; Nakagawa, Satoshi; and Kimura, Toshihiko, 4,865,961, Cl. 430-553.000.
- Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.

Nakagawa Seisakusho Co., Ltd.: *See—*
- Kurata, Yoshiharu, 4,856,441, Cl. 112-80.730.

Nakagawa, Shigeru: *See—*
- Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.

Nakagawa, Shinichi: *See—*
- Kawai, Hiroyuki; and Nakagawa, Shinichi, 4,877,974, Cl. 307-269.000.

Nakagawa, Shinji: *See—*
- Yamashita, Mitsuo; and Nakagawa, Shinji, 4,809,036, Cl. 355-3.0DD.

Nakagawa, Shizutoshi: *See—*
- Yoshida, Susumu; Nakagawa, Shizutoshi; Ushiroguchi, Tsuyoshi; Matsuura, Hiromichi; and Yazaki, Akira, 4,876,281, Cl. 514-517.000.

Nakagawa, Shozo; Yokoyama, Katsuya; and Katayama, Hironobu, to Nippon Hoso Kyokai. PCM helical-scan magnetic record/playback systems. 4,809,118, 2-28-89, Cl. 360-33.100.

Nakagawa, Shozo; Ohnishi, Shunichi; and Takagi, Akihiro, to Kabushiki Kaisha Asaka; and Nippon Kogaku KK. Recording and reproducing apparatus for disk-type recording media. 4,866,546, 9-12-89, Cl. 360-66.000.

Nakagawa, Susumu; Otake, Norikazu; and Ushizima, Ryosuke, to Banyu Pharmaceutical Co., Ltd. Cephalosporin derivatives, and antibacterial agents. 4,814,328, 3-21-89, Cl. 514-205.000.

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Nakagawa, Tadashi; Nemoto, Ichiro; Aosaki, Ko; and Misawa, Atsushi, to Seikosha Co., Ltd. Focal-plane shutter base. 4,814,807, 3-21-89, Cl. 354-246.000.

Nakagawa, Tadashi; Shinozaki, Nobuo; Tagami, Shigeru; and Seki, Youichi, to Seikosha Co., Ltd. Program shutter. 4,864,347, 9-5-89, Cl. 354-439.000.

Nakagawa, Tadashi: *See—*
- Ohta, Kimihiro; Nakagawa, Tadashi; Kojima, Takeshi; Sakamoto, Tsunenori; and Kawai, Naoyuki, 4,855,013, Cl. 156-601.000.

Nakagawa, Taizo: *See—*
- Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.

Nakagawa, Takashi, to Idemitsu Petrochemical Company Limited. Process for producing 2,2-bis(4'hydroxyphenyl) propanes. 4,814,520, 3-21-89, Cl. 568-723.000.

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- Inagami, Yasuhiro; Nakagawa, Takayuki; and Nagashima, Shigeo, 4,803,620, Cl. 364-200.000.
- Inagami, Yasuhiro; Nakagawa, Takayuki; Tamaki, Yoshiko; and Nagashima, Shigeo, 4,881,168, Cl. 364-200.000.
- Omoda, Koichiro; Torii, Shunichi; Nagashima, Shigeo; Inagami, Yasuhiro; and Nakagawa, Takayuki, 4,825,361, Cl. 364-200.000.
- Takamine, Yoshio; Nakagawa, Takayuki; Kazama Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, 4,811,213, Cl. 364-200.000.

Nakagawa, Takuji: *See—*
- Senda, Atsuo; Kasanami, Tohru; and Nakagawa, Takuji, 4,833,004, Cl. 428-210.000.

Nakagawa, Tatsushi; Ishida, Yoshiaki; Junichiro, Kanesaka; and Kaneshige, Yosuke, to Tosoh Corporation. Toothed rubber belts. 4,868,029, 9-19-89, Cl. 428-163.000.

Nakagawa, Tatsushi; Narui, Mamoru; and Sakanaka, Yasuhiro, to Toyo Soda Manufacturing Co., Ltd. Method of making chlorosulfonated polyethylene. 4,871,815, 10-3-89, Cl. 525-344.000.

Nakagawa, Tatsushi: *See—*
- Harada, Yukihiko; Nakagawa, Tatsushi; Kanesaka, Junichiro; and Kaneshige, Yousuke, 4,840,849, Cl. 428-419.000.

Nakagawa, Tetsuro: *See—*
- Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.

Nakagawa, Tetsuya: *See—*
- Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.

Nakagawa, Tomomi: *See—*
  Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.
Nakagawa, Toru; Kubota, Hitoshi; and Sakurai, Yasuo, to Matsushita Electric Industrial Co., Ltd. Method of teaching a path to a moving body. 4,841,430, 6-20-89, Cl. 364-167.010.
Nakagawa, Toshimi: *See—*
  Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, 4,828,710, Cl. 210-675.000.
  Itoh, Hiroshi; Nakagawa, Toshimi; and Nitta, Atsuhiko, 4,835,312, Cl. 564-205.000.
Nakagawa, Toyoaki, to Nissan Motor Co., Ltd. Air/fuel ratio control system having gain adjusting means. 4,825,837, 5-2-89, Cl. 123-489.000.
Nakagawa, Toyoaki: *See—*
  Sanbuichi, Hiroshi; Terasaka, Katsunori; and Nakagawa, Toyoaki, 4,870,937, Cl. 123-488.000.
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  Sugahara, Takehisa; Nakagawa, Toyokatu; and Yano, Junichi, 4,859,614, Cl. 437-8.000.
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  Nagai, Toshihiko; and Nakagawa, Tsuneo, 4,838,276, Cl. 128-686.000.
Nakagawa, Tsutomu: *See—*
  Niwayama, Kazuhiko; Nakagawa, Tsutomu; Tokunoh, Futoshi; and Yoshida, Shigekazu, 4,881,118, Cl. 357-79.000.
Nakagawa, Wataru: *See—*
  Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Noriomi; Konosu, Naohiro, and Hashimoto, Tadao, 4,872,335, Cl. 73-30.000.
Nakagawa, Yaoko; and Ishii, Koichi, to Hitachi, Ltd. Vector processing apparatus for incrementing indices of vector operands of different length according to arithmetic operation results. 4,890,220, 12-26-89, Cl. 364-200.000.
Nakagawa, Yasuhiko: *See—*
  Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, 4,864,259, Cl. 333-189.000.
Nakagawa, Yasuo: *See—*
  Fushimi, Satoru; Nakagawa, Yasuo; Kuni, Asahiro; Kubota, Hitoshi; and Koshishiba, Hiroya, 4,814,615, Cl. 250-311.000.
  Hoshi, Kazuo; and Nakagawa, Yasuo, 4,801,639, Cl. 524-112.000.
  Nakahata, Kozo; Hamada, Toshimitsu; Nakagawa, Yasuo; and Nomoto, Mineo, 4,872,187, Cl. 378-4.000.
Nakagawa, Yoichi: *See—*
  Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.000.
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  Senuma, Makoto; Kondoh, Shigeru; Kawase, Tadamasa; and Nakagawa, Yoshihiko, 4,879,118, Cl. 424-448.000.
Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, to Toppan Printing Co., Ltd. Microwave irradiating sterilization process. 4,808,782, 2-28-89, Cl. 219-10.55M.
Nakagawa, Yoshihiro: *See—*
  Kumagami, Naoki; Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, 4,822,967, Cl. 219-10.55F.
Nakagawa, Yoshio: *See—*
  Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,798,832, Cl. 514-258.000.
  Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,816,459, Cl. 514-258.000.
Nakagawa, Yoshitomo; and Yamaoka, Takehiro, to Seiko Instruments Inc. Method and apparatus for modifying patterned film. 4,874,460, 10-17-89, Cl. 156-626.000.
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Nakagawa, Yoshitomo: *See—*
  Hattori, Osamu; Yasaka, Anton; Nakagawa, Yoshitomo; Sato, Mitsuyoshi; and Sasaki, Sumio, 4,851,097, Cl. 204-192.330.
Nakagawa, Yukihiro: *See—*
  Inoue, Takeshi; Funabashi, Hiroshi; and Nakagawa, Yukihiro, 4,880,078, Cl. 181-232.000.
Nakagawa, Yukio, to Fuji Electric Co., Ltd. Ultrasonic wave phase matching apparatus. 4,837,754, 6-6-89, Cl. 367-105.000.
Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, to Hitachi, Ltd. Magnetron sputter apparatus and method for forming films by using the same apparatus. 4,865,709, 9-12-89, Cl. 204-192.120.
Nakagawa, Yukio: *See—*
  Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.
Nakagawa, Yutaka: *See—*
  Suga, Ryoichi; Nakagawa, Yutaka; and Watanabe, Yoshimi, 4,800,376, Cl. 340-721.000.
Nakagawa, Yuzi: *See—*
  Nagai, Hisao; Nakagawa, Yuzi; Oomura, Katsurou; and Kimura, Shinichi, 4,814,388, Cl. 525-322.000.
Nakagawara, Kyoichi, to Kabushiki Kaisha Toshiba. Electronic telephone exchange and method of connecting ports of the exchange. 4,796,294, 1-3-89, Cl. 379-258.000.
Nakagawara, Minoru: *See—*
  Mikuriya, Kenta; Ohya, Akira; Nakagawara, Minoru; Hirukawa, Hideo; and Uehara, Shoji, 4,850,695, Cl. 356-237.000.
Nakagiri, Masasi: *See—*
  Okamoto, Shinji; Minakawa, Masaaki; Neki, Youiti; and Nakagiri, Masasi, 4,857,589, Cl. 525-60.000.
Nakagiri, Takashi: *See—*
  Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, 4,849,774, Cl. 346-140.00R.
  Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.
  Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.
  Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.
  Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
Nakagiri, Yoshihiro: *See—*
  Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibata, Juichi, 4,805,480, Cl. 74-503.000.
Nakagome, Fuyuki, to Nakamichi Corporation. Apparatus for driving a reel in a tape cartridge for a magnetic instrument. 4,879,614, 11-7-89, Cl. 360-93.000.
Nakagomi, Kazuhito, to Nippon Seimitsu Kogyo Kabushiki Kaisha. Exposure control device in a camera. 4,884,091, 11-28-89, Cl. 354-271.100.
Nakagomi, Tamihito; Kando, Yasuhiko; and Hasegawa, Shinji, to Hitachi, Ltd. Liquid crystal display device. 4,815,825, 3-28-89, Cl. 350-337.000.
Nakagomi, Yukinao, to Kayaba Industry Co., Ltd. Hydraulic control apparatus for vehicle. 4,836,087, 6-6-89, Cl. 91-29.000.
Nakagoshi, Kazuo: *See—*
  Shiraishi, Kazuhisa; Nakagoshi, Kazuo; and Ogawa, Takuji, 4,881,136, Cl. 360-25.000.
Nakaguchi, Osamu: *See—*
  Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
  Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, 4,797,399, Cl. 514-253.000.
Nakaguti, Osamu: *See—*
  Shimazaki, Norihiko; Hemmi, Keiji; Nakaguti, Osamu; Miyazaki, Yoshio; and Hashimoto, Masashi, 4,806,538, Cl. 514-253.000.
Nakahama, Ryoji; and Uchida, Tatsuki, to Sanshin Kogyo Kabushiki Kaisha. Two-cycle fuel-injection engine. 4,795,001, 1-3-89, Cl. 184-6.180.
Nakahama, Ryoji, to Sanshin Kogyo Kabushiki Kaisha. Device driving injection pump for fuel-injection engine. 4,811,717, 3-14-89, Cl. 123-509.000.
Nakahama, Ryoji; and Kuragaki, Naoyoshi, to Sanshin Kogyo Kabushiki Kaisha. Power transmission device for inboard/outboard system. 4,850,911, 7-25-89, Cl. 440-86.000.
Nakahama, Tadamitsu, to Mazda Motor Corporation. Multilayer coated film structures. 4,882,228, 11-21-89, Cl. 428-421.000.
Nakahama, Tadamitsu: *See—*
  Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Nakahama, Tadamitsu; and Yamane, Takakazu, 4,874,639, Cl. 427-240.000.
Nakahara, Akihiro: *See—*
  Matsuki, Taketo; and Nakahara, Akihiro, 4,863,167, Cl. 273-62.000.
Nakahara, Fumio: *See—*
  Ohmi, Tadahiro; Sugiyama, Kazuhiko; Nakahara, Fumio; and Umeda, Masaru, 4,869,301, Cl. 141-85.000.
Nakahara, Hiromi: *See—*
  Okita, Tsutomu; Nakahara, Hiromi; and Ogawa, Hiroshi, 4,874,6 Cl. 427-130.000.
Nakahara, Jirou; Ueshin, Akito; and Okajima, Shiro, to Kabushiki Kaisha Toshiba. IC card which displays embossed information to prevent counterfeiting. 4,874,934, 10-17-89, Cl. 235-492.000.
Nakahara, Junji: *See—*
  Kamimura, Masahiro; Ono, Akehiro; Misu, Susumu; and Nakahara, Junji, 4,826,336, Cl. 400-607.000.
Nakahara, Makoto: *See—*
  Yamamoto, Masanori; Kamoda, Tamotsu; Nakahara, Makoto; Fujii, Yoshimasa; and Sugano, Shozo, 4,803,088, Cl. 426-107.000.
Nakahara, Motohiro: *See—*
  Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, 4,804,247, Cl. 350-96.340.
  Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,1 Cl. 65-3.120.
  Suda, Hiroyuki; Shibata, Shuichi; and Nakahara, Motohiro, 4,801,322, Cl. 65-144.000.
Nakahara, Shuichi; Koide, Toru; Kaimori, Michinobu; Kitamura, Kenji; and Matsumoto, Satoshi, to Kanebo, Ltd. Method for coloring a textile using a color supply drum and a color suction drum. 4,843,6 7-4-89, Cl. 8-151.000.
Nakahara, Takashi, to Canon Kabushiki Kaisha. Optical memory card. 4,829,168, 5-9-89, Cl. 235-489.000.

Nakahara, Takashi, to Canon Kabushiki Kaisha. Optical recording carrier, and recording-reading apparatus, and recording-reading process, employing the same. 4,860,278, 8-22-89, Cl. 369-271.000.
Nakahara, Takashi: *See—*
  Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,814,390, Cl. 525-331.700.
  Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,877,817, Cl. 521-142.000.
Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, to Canon Kabushiki Kaisha. Encapsulated toner having shell with first vinyl polymer with Mn of 2000-225000 and second vinyl polymer with Mn of 1000-15000. 4,797,344, 1-10-89, Cl. 430-138.000.
Nakahara, Toshiaki: *See—*
  Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.
  Tanikawa, Hirohide; Nakahara, Toshiaki; and Nozawa, Keita, 4,857,432, Cl. 430-106.000.
Nakahara, Toshio: *See—*
  Kasahara, Nobuo; and Nakahara, Toshio, 4,835,582, Cl. 355-3.0DR.
Nakahara, Tosio; and Kasahara, Nobuo, to Ricoh Company, Ltd. Image transferring device for a copier. 4,864,367, 9-5-89, Cl. 355-272.000.
Nakahara, Tosio: *See—*
  Kasahara, Nobuo; and Nakahara, Tosio, 4,862,214, Cl. 355-377.000.
  Kasahara, Nobuo; Nakahara, Tosio; Watanuki, Masayosi; and Sawamura, Tadahide, 4,872,037, Cl. 355-271.000.
Nakahara, Yuki: *See—*
  Takeuchi, Yuko; Nakahara, Yuki; Kimura, Hajime; and Okano, Shinobu, 4,804,587, Cl. 428-623.000.
Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio, to Adeka Argus Chemical Co., Ltd. Polycarbonate resin compositions having improved resistance to deterioration when exposed to light and containing alkylidene bis(benzotriazolyl phenols). 4,812,498, 3-14-89, Cl. 524-91.000.
Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio. Polyphenylene sulfide resin compositions having improved resistance to deterioration when exposed to light and containing alkylidene bis (benzotriazolylphenols). 4,871,793, 10-3-89, Cl. 524-91.000.
Nakahara, Yutaka: *See—*
  Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.
  Minagawa, Motonobu; Nakahara, Yutaka; Hirai, Bunji; and Sugibuchi, Kazuo, 4,798,836, Cl. 524-89.000.
  Minagawa, Motonobu; Nakahara, Yutaka; Shibata, Toshihiro; and Tobita, Etsuo, 4,885,323, Cl. 524-95.000.
Nakaharai, Ken: *See—*
  Kamemoto, Katsuaki; and Nakaharai, Ken, 4,809,505, Cl. 60-591.000.
Nakahashi, Junichi: *See—*
  Hamada, Tetsuo; Nakahashi, Junichi; and Nakai, Ryoichi, 4,885,340, Cl. 525-183.000.
Nakahashi, Masako: *See—*
  Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. 174-68.500.
  Takeda, Hiromitsu; Nakahashi, Masako; Shirokane, Makoto; and Yamazaki, Tatsuo, 4,876,119, Cl. 427-250.000.
Nakahashi, Sumio; Miyamae, Fumihiko; and Seike, Nobuki, to Nissen Chemical Industry Co., Ltd. Light reflection material, its manufacture and application. 4,830,899, 5-16-89, Cl. 428-137.000.
Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, to Fukuda Denshi Co., Ltd.; and Daido Sangyo Co., Ltd. Multi-electrode type electrocardiographic electrode structure. 4,852,572, 8-1-89, Cl. 128-640.000.
Nakahata, Kimio: *See—*
  Itoh, Masahiro; Murasawa, Yoshihiro; Takeda, Atsushi; Tsuchiya, Hiroaki; and Nakahata, Kimio, 4,860,048, Cl. 355-208.000.
  Yoshikawa, Masao; and Nakahata, Kimio, 4,872,418, Cl. 118-657.000.
Nakahata, Kozo; Hamada, Toshimitsu; Nakagawa, Yasuo; and Nomoto, Mineo, to Hitachi, Ltd. X-ray tomographic imaging system and method. 4,872,187, 10-3-89, Cl. 378-4.000.
Nakahigashi, Takahiro; Ando, Yasunori; and Kamijo, Eiji, to Nissin Electric Co., Ltd. Coated material and X-ray exposure mask. 4,866,746, 9-12-89, Cl. 378-35.000.
Nakahira, Atsushi: *See—*
  Niihara, Koichi; and Nakahira, Atsushi, 4,889,834, Cl. 501-89.000.
  Niihara, Koichi; and Nakahira, Atsushi, 4,889,835, Cl. 501-89.000.
Nakahori, Shinsuke; and Honda, Hironori, to Sanyo Electric Co., Ltd. Method of manufacturing nickel hydroxide electrode for alkaline storage cell. 4,844,948, 7-4-89, Cl. 497-126.300.
Nakai, Akira: *See—*
  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
Nakai, Akiya; Hamasaki, Bunei; and Utamura, Shinji, to Canon Kabushiki Kaisha. Alignment method. 4,881,100, 11-14-89, Cl. 355-53.000.
Nakai, Akiya: *See—*
  Hamasaki, Bunei; Utamura, Shinji; and Nakai, Akiya, 4,811,059, Cl. 355-77.000.
Nakai, Eiji, to Mazda Motor Corporation. Engine valve driving apparatus. 4,886,022, 12-12-89, Cl. 123-90.170.
Nakai, Eiji: *See—*
  Fujita, Satoshi; Nakai, Eiji; and Noike, Akira, 4,849,132, Cl. 252-356.000.
  Uesugi, Tatsuya; and Nakai, Eiji, 4,854,273, Cl. 123-90.170.
Nakai, Hatsuo, to Clover Co., Ltd. Combination lock. 4,885,923, 12-12-89, Cl. 70-284.000.
Nakai, Hiromi; and Tsurumaki, Masao, to Asahi Corporation. Endless microcassette tape. 4,817,881, 4-4-89, Cl. 242-55.19A.
Nakai, Hirotaka; and Edagawa, Setsuji, to O.K. Trading Co., Ltd. Far infrared ray emitting body of a core material coated with an ultrafine powder. 4,886,972, 12-12-89, Cl. 250-504.00R.
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device with readout test circuitry. 4,819,212, 4-4-89, Cl. 365-230.000.
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device. 4,831,592, 5-16-89, Cl. 365-189.090.
Nakai, Hisao; Terashima, Hiroshi; and Arai, Yoshinobu, to Ono Pharmaceutical Co., Ltd. Novel cinnamoylamide derivatives. 4,863,963, 9-5-89, Cl. 514-563.000.
Nakai, Hitoshi; Yamamoto, Takemi; Sakai, Jun; and Fujii, Eiji, to Brother Kogyo Kabushiki Kaisha. Image recording device. 4,825,256, 4-25-89, Cl. 355-27.000.
Nakai, Hitoshi: *See—*
  Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.
Nakai, Jun: *See—*
  Higashiyama, Mitsuo; Iwahashi, Naoto; Kunihiro, Takushi; and Nakai, Jun, 4,837,802, Cl. 379-62.000.
Nakai, Junji: *See—*
  Higashi, Yuitiro; Nakai, Junji; Kawabuchi, Hidenori; and Kato, Yasuhisa, 4,843,214, Cl. 219-216.000.
Nakai, Katsuya: *See—*
  Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
Nakai, Katsuyuki: *See—*
  Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.
Nakai, Kiyohito: *See—*
  Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiiba, Kengo; and Yoshikawa, Mitsuhiko, 4,803,581, Cl. 360-113.000.
Nakai, Kiyotaka: *See—*
  Inagaki, Akio; Nakai, Kiyotaka; and Tauchi, Hitoshi, 4,849,048, Cl. 156-275.500.
Nakai, Kozo; Hori, Shinji; Mori, Kinji; Kawano, Katsumi; Kasashima, Hirokazu; and Kawakami, Setsuo, to Hitachi, Ltd. System and method of message communication capable of checking consistency among data. 4,831,512, 5-16-89, Cl. 364-200.000.
Nakai, Kozo: *See—*
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  Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.
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  Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.
Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Camera system operable by carrying data from a camera accessory to a camera body. 4,803,509, 2-7-89, Cl. 354-410.000.
Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Taniguchi, Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, to Minolta Camera Kabushiki Kaisha. Exposure control device for a camera. 4,821,074, 4-11-89, Cl. 354-402.000.
Nakai, Masaaki: *See—*
  Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.
  Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.
  Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
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Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, 4,847,651, Cl. 354-471.000.

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Nakai, Masayuki; Uesugi, Kenji; and Tomura, Katsumi, to Idemitsu Kosan Co., Ltd. Process for producting coal fillers. 4,849,021, 7-18-89, Cl. 106-472.000.

Nakai, Mikio, to Polyplastics Co., Ltd. Reinforced molding resin composition. 4,806,586, 2-21-89, Cl. 524-413.000.

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Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.

Nakai, Satoru; and Kamei, Mitsuru, to Power Reactor and Nuclear Fuel Development Corporation. Heat pipe type heat exchanger. 4,886,111, 12-12-89, Cl. 165-70.000.

Nakai, Shigeo; and Honda, Junkou, to Yoneyama Kogyo Kabushiki Kaisha. Movable scaffold. 4,848,516, 7-18-89, Cl. 182-36.000.

Nakai, Shinichi, to Ryobi Limited. Secondary battery quick charging circuit. 4,853,606, 8-1-89, Cl. 320-36.000.

Nakai, Shunji: *See—*

Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.

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Al-Mashiki, Shalan A.; and Nakai, Shuryo, 4,849,241, Cl. 426-583.000.

Nakai, Sinichiro; Obara, Yuichi; Yuguchi, Renichi; and Tachigami, Shigeru, to Furukawa Electric Co., Ltd., The. Connecting section for optical fiber cable. 4,801,191, 1-31-89, Cl. 350-96.200.

Nakai, Syoichiro; and Yoshida, Norio, to NEC Corporation. Loop-back control apparatus for a loop network having duplicate optical fiber transmission lines. 4,829,512, 5-9-89, Cl. 370-16.000.

Nakai, Taiichiro: *See—*

Matsuzaki, Akira; Ejiri, Yoshihiro; Nakai, Taiichiro; and Yamaguchi, Yoshiro, 4,805,547, Cl. 114-221.00A.

Nakai, Takahiro; Hatanaka, Keiji; and Hatano, Yoshiko, to Mitsubishi Denki Kabushiki Kaisha. Digital FM demodulator with distortion correction. 4,862,099, 8-29-89, Cl. 329-126.000.

Nakai, Takashi: *See—*

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Nakai, Takeshi; and Chiba, Toshiyuki, to Fujisawa Pharmaceutical Co., Ltd. Azetidinone derivatives and processes for production thereof. 4,845,210, 7-4-89, Cl. 540-200.000.

Nakai, Tatsuya: *See—*

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Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,844,703, Cl. 417-295.000.

Nakai, Tetsuo; Yazu, Syuzi; Asai, Keizo; and Kumazawa, Yoshiaki, to Sumitmo Electric Industries, Ltd. High hardness sintered compact and process for producing the same. 4,828,611, 5-9-89, Cl. 75-237.000.

Nakai, Tetsuya: *See—*

Shinbori, Osamu; Mimura, Yoshinori; Tokiwa, Hideharu; and Nakai, Tetsuya, 4,810,054, Cl. 350-96.210.

Nakai, Toshikazu: *See—*

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Nakai, Toshio; Miyagi, Takeshi; and Shimada, Osamu, to Kabushiki Kaisha Toshiba. Wiring substrate having mesh-shaped earth line. 4,855,537, 8-8-89, Cl. 174-68.500.

Nakai, Yasuhide: *See—*

Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.

Nakai, Yasuo: *See—*

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Nakai, Yoichi: *See—*

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Nakai, Yoshihiro: *See—*

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Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, 4,859,811, Cl. 174-126.200.

Nakai, Yoshio; and Tateyama, Masamitsu, to Mitsubishi Rayon Company Ltd. Impact resistant thermoplastic resin composition. 4,798,867, 1-17-89, Cl. 525-196.000.

Nakai, Yoshiyuki: *See—*

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Nakaide, Hiroshi: *See—*

Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.

Nakaishi, Akio: *See—*

Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.

Nakaishi, Masafumi; and Yamada, Masao, to Fujitsu Limited. Method for production of X-ray-transparent membrane. 4,820,546, 4-11-89, Cl. 427-38.000.

Nakaizumi, Kazuo, to NEC Corporation. Signal input circuit having signal latch function. 4,825,415, 4-25-89, Cl. 365-189.000.

Nakaizumi, Kazuo, to NEC Corporation. Semiconductor memory device having an improved timing signal generator for the column selection circuit. 4,878,201, 10-31-89, Cl. 365-203.000.

Nakajima, Akihisa: *See—*

Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shinagawa, Noriteru; and Itano, Jiro, 4,856,048, Cl. 379-60.000.

Nakajima, Akiko. Tire chain mount. 4,794,823, 1-3-89, Cl. 81-15.800.

Nakajima, Akio, to Minolta Camera Kabushiki Kaisha. Image enlarging method and device. 4,875,173, 10-17-89, Cl. 364-518.000.

Nakajima, Akira: *See—*

Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.

Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, to Seiko Instruments & Electronics Ltd. Apparatus for actuating objective lens. 4,863,240, 9-5-89, Cl. 350-247.000.

Nakajima, Atsushi: *See—*

Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, 4,885,491, Cl. 310-90.500.

Nakajima Doko Company Limited: *See—*

Nakajima, Masahiko, 4,861,560, Cl. 422-111.000.

Nakajima, Fumito: *See—*

Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Nakajima, Hideaki: *See—*

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Nakajima, Hideo; and Yamamoto, Minoru. Egg transfer device. 4,823,737, 4-25-89, Cl. 119-22.000.

Nakajima, Hiroaki: *See—*

Ohkaka, Ichizo; and Nakajima, Hiroaki, 4,807,622, Cl. 128-305.000.

Nakajima, Hirochika: *See—*

Shirasaki, Masataka; and Nakajima, Hirochika, 4,806,442, Cl. 430-4.000.

Nakajima, Hirofumi, to NEC Corporation. Method of manufacturing a chip carrier. 4,829,669, 5-16-89, Cl. 29-874.000.

Nakajima, Hiroharu: *See—*

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Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,846,593, Cl. 400-157.300.

Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,880,325, Cl. 400-249.000.

Nakajima, Hirokazu: *See—*

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Nakajima, Hiroshi: *See—*

Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, 4,800,435, Cl. 358-213.190.

Imahori, Kazutomo; Kondo, Hitoshi; Nakajima, Hiroshi; and Iwasaki, Tatsuo, 4,882,276, Cl. 435-89.000.

Obayashi, Akira; Hiraoka, Nobutsugu; Kita, Keiko; and Nakajima, Hiroshi, 4,808,531, Cl. 435-195.000.

Nakajima, Hirotaka, to Kabushiki Kaisha Toshiba. Ultrasonic imaging system for obtaining zoom video images of an object. 4,837,749, 6-6-89, Cl. 367-7.000.

Nakajima, Hirotaka, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus utilizing doppler flow metering. 4,873,985, 10-17-89, Cl. 128-661.090.

Nakajima, Hiroyasu: *See—*

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Nakajima, Hiroyuki: *See—*

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Nakajima, Hiroyukio: *See—*

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Nakajima, Isao: *See—*

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.

Nakajima, Junichi: *See—*

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Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Junjiro, 4,810,461, Cl. 376-457.000.

Nakajima, Junya: *See—*

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Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,876,180, Cl. 430-393.000.

Ishikawa, Takatoshi; and Nakajima, Junya, 4,851,326, Cl. 430-380.000.

Ishikawa, Takatoshi; and Nakajima, Junya, 4,880,728, Cl. 430-380.000.

Kishimoto, Shinzo; Nishikawa, Toshihiro; Abe, Akira; and Nakajima, Junya, 4,798,784, Cl. 430-382.000.

Ueda, Shinji; and Nakajima, Junya, 4,804,616, Cl. 430-379.000.

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Nakajima, Junzo: *See—*

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Nakajima, Kazuhiro; Inui, Toshiharu; Ishikawa, Noriyoshi; and Miyagawa, Masashi, to Canon Kabushiki Kaisha. Transfer recording medium and process for production thereof. 4,847,110, 7-11-89, Cl. 427-25.000.

Nakajima, Kazuhiro: *See—*

Fukuda, Tsuguhiro; Sato, Hiroshi; and Nakajima, Kazuhiro, 4,883,379, Cl. 400-697.100.

Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, 4,855,758, Cl. 346-76.0PH.

Nakajima, Kazuo; and Tomita, Katsuhiko, to Horiba, Ltd. Method of taking out lead of semiconductor tip part. 4,850,105, 7-25-89, Cl. 29-841.000.

Nakajima, Kazuo: *See—*

Matsunaga, Takao; Nakajima, Kazuo; and Kobayashi, Masaki, 4,802,555, Cl. 184-15.100.

Nakajima, Kenji, to Fuji Photo Film Co., Ltd. Coating method. 4,837,045, 6-6-89, Cl. 427-13.000.

Nakajima, Kichio: *See—*

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Nakajima, Kiyoji. Web winding and/or rewinding shaft structure. 4,840,323, 6-20-89, Cl. 242-72.00B.

Nakajima, Kunihiko: *See—*

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Nakajima, Masahiko, to Nakajima Doko Company Limited. Liquid supply device. 4,861,560, 8-29-89, Cl. 422-111.000.

Nakajima, Masahiro; and Kashiwaba, Satoshi, to NEC Corporation. Protection channel monitoring system using a check signal comprising two different N-bit code patterns sequentially arranged at random. 4,811,359, 3-7-89, Cl. 375-10.000.

Nakajima, Masahiro; and Banno, Tutomu, to Pioneer Electronic Corporation. Time base control system for a spindle servo. 4,825,137, 4-25-89, Cl. 318-594.000.

Nakajima, Masahiro; and Banno, Tutomu, to Pioneer Electronic Corporation. Scanning system in information reproducing apparatus. 4,862,291, 8-29-89, Cl. 358-342.000.

Nakajima, Masahiro. Antiskid attachment for automotive wheels. 4,862,937, 9-5-89, Cl. 152-225.00R.

Nakajima, Masahiro: *See—*

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Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, 4,887,114, Cl. 354-288.000.

Nakajima, Masao; Kobayashi, Takeo; and Yonehara, Shigeki, to Nissan Motor Co., Ltd.; and Nippon Zeon Co., Ltd. Vehicle outer panel structure and method of producing same. 4,830,908, 5-16-89, Cl. 428-246.000.

Nakajima, Masato; Otsuki, Toshiaki; and Ikeda, Atsushi, to Arakawa Chemical Industries, Ltd. Sizing agents in neutral range and sizing methods using the same. 4,842,691, 6-27-89, Cl. 162-158.000.

Nakajima, Masatoshi: *See—*

Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.

Nakajima, Motowo: *See—*

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Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, to Mitsui Toatsu Chemicals, Incorporated. Preparation process of ethylene oxide. 4,831,162, 5-16-89, Cl. 549-534.000.

Nakajima, Nobiyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, to Diesel Kiki Co., Ltd. Variable capacity vane compressor. 4,850,815, 7-25-89, Cl. 417-295.000.

Nakajima, Nobuaki; Yasuhara, Seiji; and Ishihara, Mamoru. Method of removing binder material from shaped preform by extracting in liquidized fluid. 4,820,462, 4-11-89, Cl. 264-63.000.

Nakajima, Nobuyoshi; Nagata, Takehumi; and Tanaka, Hiroshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method. 4,804,841, 2-14-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,804,842, 2-14-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film CO., Ltd. Method of adjusting radiation image read-out conditions. 4,806,756, 2-21-89, Cl. 250-327.200.

Nakajima, Nobuyoshi; and Fujiwara, Shigemi, to Fuji Photo Film Co., Ltd.; and Toshiba Corporation. Radiation image read-out method and apparatus. 4,810,887, 3-7-89, Cl. 250-327.200.

Nakajima, Nobuyoshi; Adachi, Yuuma; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,816,680, 3-28-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus with sectored image recording capability. 4,820,922, 4-11-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,827,128, 5-2-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,843,240, 6-27-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,851,701, 7-25-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Apparatus for recording a radiation image of an object on a stimulable phosphor sheet to facilitate later reconstruction of an arbitrary tomographic image of the object. 4,853,540, 8-1-89, Cl. 250-327.200.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Method of measuring shading characteristics in image information reading apparatus with a test recording medium. 4,860,116, 8-22-89, Cl. 358-447.000.

Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,873,437, 10-10-89, Cl. 250-327.200.

Nakajima, Nobuyoshi: *See—*

Adachi, Yuuma; Nakajima, Nobuyoshi; and Ishida, Masamitsu, 4,851,678, Cl. 250-327.200.

Adachi, Yuuma; and Nakajima, Nobuyoshi, 4,861,993, Cl. 250-327.200.

Adachi, Yuuma; and Nakajima, Nobuyoshi, 4,864,132, Cl. 250-327.200.

Agano, Toshitaka; and Nakajima, Nobuyoshi, 4,877,958, Cl. 250-327.200.

Higashi, Nobuaki; Nakajima, Nobuyoshi; and Tanaka, Hirosi, 4,845,762, Cl. 382-6.000.

Matsuda, Terumi; Aagano, Toshitaka; Miyahara, Junji; Nakajima, Nobuyoshi; and Saotome, Shigeru, 4,818,880, Cl. 250-327.200.

Ohgoda, Makoto; and Nakajima, Nobuyoshi, 4,855,598, Cl. 250-327.200.

Saotome, Shigeru; and Nakajima, Nobuyoshi, 4,857,733, Cl. 250-327.200.

Saotome, Shigeru; Kimura, Tsutomu; and Nakajima, Nobuyoshi, 4,861,994, Cl. 250-327.200.

Saotome, Shigeru; and Nakajima, Nobuyoshi, 4,870,277, Cl. 250-327.200.

Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, to Diesel Kiki Co., Ltd. Sliding-vane rotary compressor. 4,801,251, 1-31-89, Cl. 417-295.000.

Nakajima, Nobuyuki, to Diesel Kiki Co., Ltd. Vane compressor without occurrence of vane chattering. 4,802,830, 2-7-89, Cl. 418-150.000.

Nakajima, Nobuyuki, to Diesel Kiki Co., Ltd. Variable capacity vane compressor. 4,813,854, 3-21-89, Cl. 417-295.000.

Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, to Diesel Kiki Co., Ltd. Variable capacity vane compressor. 4,815,945, 3-28-89, Cl. 417-295.000.

Nakajima, Nobuyuki, to Diesel Kiki Co., Ltd. Variable capacity vane compressor. 4,818,189, 4-4-89, Cl. 417-295.000.

- Nakajima Nobuyuki; and Okada, Shigeru, to Diesel Kiki Co., Ltd. Sliding-vane rotary compressor with displacememt-adjusting mechanism, and controller for such variable displacement compressor. 4,819,440, 4-11-89, Cl. 62-133.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, to Diesel Kiki Co., Ltd. Sliding-vane rotary compressor. 4,822,263, 4-18-89, Cl. 418-133.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Eitai, Kazuo; and Yamaguchi, Toshio, to Diesel Kiki Co., Ltd. Variable capacity type compressor. 4,861,235, 8-29-89, Cl. 417-295.000.
- Nakajima, Nobuyuki, to Diesel Kiki Co., Ltd. Variable capacity compressor. 4,865,524, 9-12-89, Cl. 417-295.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, to Diesel Kiki, Co., Ltd. Variable capacity vane compressor. 4,867,651, 9-19-89, Cl. 417-295.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, to Diesel Kiki Co., Ltd. Variable capacity compressor. 4,869,652, 9-26-89, Cl. 417-295.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, to Diesel Kiki Co., Ltd. Variable displacement compressor. 4,875,835, 10-24-89, Cl. 417-295.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, to Diesel Kiki Co., Ltd. Variable capacity compressor with capacity-indicating device. 4,878,814, 11-7-89, Cl. 417-63.000.
- Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, to Diesel kiki Co., Ltd. Air conditioning system with variable capacity compressor. 4,889,474, 12-26-89, Cl. 417-295.000.
- Nakajima, Norio: *See—*
  - Sugiura, Susumu; Sato, Tadashi; and Nakajima, Norio, 4,843,428, Cl. 358-300.000.
- Nakajima, Osamu: *See—*
  - Watanabe, Shoyu; Nakano, Masaaki; Iwata, Shuji; Nakajima, Osamu; and Saitoh, Yusaku, 4,868,351, Cl. 178-19.000.
- Nakajima, Ryoichi: *See—*
  - Tsuchitani, Masatoshi; Naito, Sakae; and Nakajima, Ryoichi, 4,820,401, Cl. 208-40.000
  - Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tsuchitani, Masatoshi; and Nakajima, Ryoichi, 4,818,449, Cl. 264-29.200.
- Nakajima, Saburo: *See—*
  - Kawamura, Yoshihide; Tanibe, Hiroaki; Kurahashi, Itsuo; Seo, Hiroshi; and Nakajima, Saburo, 4,833,237, Cl. 536-20.000.
- Nakajima, Sadaaki; and Terakawa, Taiju, to Chisso Corporation. Spinneret assembly for sheath-core type composite fibers. 4,875,844, 10-24-89, Cl. 425-131.500.
- Nakajima, Satoshi, to Shinano Tokki Corporation. Sealing structure in a motor for magnetic discs. 4,827,168, 5-2-89, Cl. 310-90.000.
- Nakajima Seisakusho Company: *See—*
  - Ishihara, Yoshihiro, 4,860,677, Cl. 112-318.000.
- Nakajima, Shigeharu: *See—*
  - Minematu, Yoiti; Tajima, Toshio; and Nakajima, Shigeharu, 4,859,903, Cl. 313-487.000.
- Nakajima, Shigeo: *See—*
  - Kataoka, Shoei; Yoshida, Masaru; and Nakajima, Shigeo, 4,857,920, Cl. 340-907.000.
  - Kitagawa, Masahiko; Tomomura, Yoshitaka; Yamaue, Satoshi; and Nakajima, Shigeo, 4,869,776, Cl. 156-610.000.
  - Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.
  - Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo, Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.
- Nakajima, Shigeru, to Olympus Optical Co. Ltd. Endoscope. 4,800,869, 1-31-89, Cl. 128-4.000.
- Nakajima, Shigeru, to Olympus Optical Co., Ltd. Endoscope apparatus having a chair with a switch. 4,854,301, 8-8-89, Cl. 128-4.000.
- Nakajima, Shigeru: *See—*
  - Hirotsu, Toshihiro; and Nakajima, Shigeru, 4,820,418, Cl. 210-640.000.
  - Yabe, Hisao; and Nakajima, Shigeru, 4,845,555, Cl. 358-98.000.
- Nakajima, Shin; Yamauchi, Kiyotaka; and Shimoe, Osamu, to Hitachi Metals Ltd. DC-DC converter with saturable reactor reset circuit. 4,811,187, 3-7-89, Cl. 363-25.000.
- Nakajima, Shin; and Yamauchi, Kiyotaka, to Hitachi Metals, Ltd. Method for measuring losses of a magnetic core. 4,827,214, 5-2-89, Cl. 324-222.000.
- Nakajima, Shin: *See—*
  - Yamauchi, Kiyotaka; Yoshizawa, Yoshihito; and Nakajima, Shin, 4,871,925, Cl. 307-106.000.
- Nakajima, Shohachi: *See—*
  - Kawai, Hiroyuki; Nakajima, Shohachi; and Takeuchi, Tomio, 4,888,418, Cl. 536-6.400.
  - Umezawa, Hamao; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,833,241, Cl. 536-6.400.
  - Umezawa, Hamao; Umezawa, Kazuo; Odagawa, Atsuo; Kataoka, Shiro; and Nakajima, Shohachi, 4,855,414, Cl. 536-6.400.
  - Umezawa, Hamao, deceased; Tatsuta, Kuniaki; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,877,870, Cl. 536-6.400.
- Nakajima, Shunichi; and Izawa, Koji, to Kabushiki Kaisha Toshiba. Image-resolution conversion apparatus for converting a pixel-density of image data. 4,841,375, 6-20-89, Cl. 353-280.000.
- Nakajima, Susumu: *See—*
  - Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejim Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
- Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara Heikichi; and Daikoku, Takahiro, to Hitachi, Ltd. Thermal conduction device. 4,823,863, 4-25-89, Cl. 165-80.400.
- Nakajima, Takao, to Kabushiki Kaisha Toshiba. Apparatus for recording and reproducing human speech by its analysis and synthesis. 4,807,289, 2-21-89, Cl. 381-36.000.
- Nakajima, Takao, to Kabushiki Kaisha Toshiba. Apparatus for recording and reproducing human speech. 4,811,397, 3-7-89, Cl. 381-36.000.
- Nakajima, Takashi: *See—*
  - Morita, Misao; and Nakajima, Takashi, 4,846,578, Cl. 356-446.000.
  - Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, 4,822,787, Cl. 514-210.000.
- Nakajima, Tatsutoshi; Toyoshima, Nobuyuki; and Yamanaka, Masashige, to Toyo Contact Lens Co., Ltd. High water-absorptive sof contact lens. 4,829,126, 5-9-89, Cl. 525-283.000.
- Nakajima, Tohru; and Nakamura, Hisao, to Pioneer Electronic Corporation. Video signal output selection circuit. 4,831,446, 5-16-89, Cl. 358-181.000.
- Nakajima, Tomohiro; and Komurasaki, Takeshi, to Ricoh Company, Ltd. Optical scanning apparatus for presenting the dislocation of a stationary mirror. 4,869,582, 9-26-89, Cl. 350-631.000.
- Nakajima, Tomohiro: *See—*
  - Shimada, Kazuyuki; Nakajima, Tomohiro; Kotabe, Hiroaki; Yamanobe, Kouji; and Yamazaki, Kozo, 4,853,710, Cl. 346-108.000.
- Nakajima, Tomoyoshi: *See—*
  - Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
- Nakajima, Toru: *See—*
  - Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Eiz Nakajima, Toru; and Masumoto, Mituhiko, 4,888,401, Cl. 525-468.000.
- Nakajima, Toshifumi, to Canon Kabushiki Kaisha. Facsimile machine with capability of reading half-tone and binary image data. 4,862,282, 8-29-89, Cl. 358-400.000.
- Nakajima, Toshio; Kumatani, Hiroshi; Miyazaki, Masayuki; and Tezuka, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Flywheel device. 4,819,502, 4-11-89, Cl. 74-572.000.
- Nakajima, Toshio: *See—*
  - Hirabayashi, Shigefumi; Nakajima, Toshio; and Kanazawa Hirotaka, 4,840,243, Cl. 180-140.000.
  - Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio 4,812,498, Cl. 524-91.000.
  - Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio 4,871,793, Cl. 524-91.000.
- Nakajima, Toshiyuki: *See—*
  - Baba, Takeshi; Suda, Shigeyuki; Nose, Noriyuki; Kawakami, Eigo Nakajima, Toshiyuki; and Kushibiki, Nobuo, 4,802,746, Cl. 350-418.000.
  - Kushibiki, Nobuo; Nose, Noriyuki; Nakajima, Toshiyuki; Baba Takeshi; Matsugu, Masakazu; and Niwa, Yukichi, 4,840,473, Cl. 350-484.000.
- Nakajima, Toyohei; and Okada, Yasushi, to Honda Giken Kogyo Kabushiki Kaisha. Air/fuel ratio control system for internal combustion engine. 4,796,587, 1-10-89, Cl. 123-440.000.
- Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira and Suzaki, Yukihiko, to Honda Giken Kogyo Kabushiki Kaisha Apparatus for controlling ignition timing in internal combustion 4,856,480, 8-15-89, Cl. 123-425.000.
- Nakajima, Toyohei; and Mieno, Toshiyuki, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling an oxygen concentration sensor. 4,860,712, 8-29-89, Cl. 123-489.000.
- Nakajima, Toyohei; and Mieno, Toshiyuki, to Honda Giken Kogyo Kabushiki Kaisha. Oxygen concentration-sensing device. 4,877,511, 10-31-89, Cl. 204-406.000.
- Nakajima, Toyohei: *See—*
  - Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono Nobuyuki, 4,819,602, Cl. 123-479.000.
  - Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono Nobuyuki, 4,873,642, Cl. 364-431.060.
  - Mieno, Toshiyuki; Nakajima, Toyohei; and Nagao, Akira 4,882,695, Cl. 364-431.080.
  - Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.
  - Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.
- Nakajima, Tsunetaka: *See—*
  - Kondo, Nobuo; Nakajima, Tsunetaka, Watanabe, Masahiro Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru 4,849,425, Cl. 514-274.000.
- Nakajima, Yasuhiro, to NEC Corporation. Routing method for use in wiring design. 4,855,929, 8-8-89, Cl. 364-490.000.
- Nakajima, Yasuhisa: *See—*
  - Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.
- Nakajima, Yasuo: *See—*
  - Murao, Tsugio; Yamamoto, Yoshiharu; Ikeda, Kenichi; Nagaoka, Yoshitomi; and Nakajima, Yasuo, 4,810,076, Cl. 350-448.000.
  - Tanaka, Yasuhiro; Nakajima, Yasuo; and Nagaoka, Yoshitomi, 4,842,388, Cl. 350-432.000.
- Nakajima, Yasuyoshi; Umezawa, Takao; Momiyama, Takashi; and Inoue, Yoichi, to Mitsuba Electric Manufacturing Co., Ltd. Method of integrally molding member onto portion of rigid member. 4,865,794, 9-12-89, Cl. 264-278.000.
- Nakajima, Yoshiaki; Suzuki, Tadashi; and Wada, Yoneji, to Takano Corporation. Lubrication monitoring apparatus for machine. 4,852,693, 8-1-89, Cl. 184-6.400.
- Nakajima, Yoshihiro: *See—*
  - Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
  - Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
- Nakajima, Yoshinori, to Ricoh Company, Ltd. Control apparatus for hammer type impact printer. 4,824,267, 4-25-89, Cl. 400-144.200.
- Nakajima, Yoshio; Kimura, Takao; and Nagaoka, Yoshinobu, to Mitsubishi Petrochemical Co., Ltd. Method for producing polypropylene foam. 4,882,108, 11-21-89, Cl. 264-54.000.
- Nakajima, Yoshio: *See—*
  - Maezawa, Akihiko; Nakajima, Yoshio; Kaneko, Mitsuyoshi; and Aoki, Shinji, 4,882,020, Cl. 204-157.300.
- Nakajima, Yoshitaka: *See—*
  - Ueno, Kouji; Naito, Takamitsu; and Nakajima, Yoshitaka, 4,835,590, Cl. 357-51.000.
- Nakajima, Yoshito: *See—*
  - Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshito; Shin, Sadahito; and Shima, Kenji, 4,837,170, Cl. 436-548.000.
- Nakajima, Yoshiyuki: *See—*
  - Kikuta, Junji; Kudo, Masayuki; Yamagata, Tetsuo; and Nakajima, Yoshiyuki, 4,848,502, Cl. 180-179.000.
- Nakajima, Yosuke: *See—*
  - Tabei, Masatoshi; Ikeda, Mitsuru; and Nakajima, Yosuke, 4,860,076, Cl. 357-30.000.
- Nakajima, Yuji, to Hoya Corporation. Multi-layered back reflecting mirror. 4,805,989, 2-21-89, Cl. 350-164.000.
- Nakajima, Yukihiko: *See—*
  - Terasaki, Ryuichi; Sato, Shinsei; Ogata, Yoichi; Nozawa, Kazumi; and Nakajima, Yukihiko, 4,816,338, Cl. 428-408.000.
- Nakajima, Yukio; and Hara, Minoru, to Olympus Optical Co., Ltd. Multimode cameras. 4,814,812, 3-21-89, Cl. 354-412.000.
- Nakajima, Yukio; Miyasaka, Tetsuo; and Kawai, Sumio, to Olympus Optical Co., Ltd. Output device for range information for use in an interchangeable lens. 4,857,951, 8-15-89, Cl. 354-400.000.
- Nakajima, Yukio: *See—*
  - Sato, Michio; Kambara, Koji; and Nakajima, Yukio, 4,841,952, Cl. 128-6.000.
- Nakajoh, Tadashi: *See—*
  - Shimizu, Junichi; and Nakajoh, Tadashi, 4,879,077, Cl. 264-40.100.
- Nakakado, Kimiaki: *See—*
  - Suefuji, Kazutaka; Kaneda, Aizo, Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.
- Nakakita, Shoji: *See—*
  - Kimura, Mitsuru; and Nakakita, Shoji, 4,874,721, Cl. 437-209.000.
- Nakako, Takefumi; Inoue, Shoji; and Takezoe, Akinobu, to Nisshin Steel Co., Ltd. Method for making thin-walled metal pipes. 4,796,797, 1-10-89, Cl. 228-144.000.
- Nakako, Yukio: *See—*
  - Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
- Nakakoshi, Ichiro: *See—*
  - Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.
- Nakakouji, Hisatada: *See—*
  - Ogata, Hajime; Nakakouji, Hisatada; Hamahara, Kyoko; Mochizuki, Kazuo; and Ichida, Toshio, 4,832,800, Cl. 204-28.000.
- Nakakuma, Akira: *See—*
  - Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.
  - Tsunoda, Arihiro; Tsuji, Kikunosuke; Nakakuma, Akira; and Matsushita, Tetsuya, 4,862,218, Cl. 355-235.000.
- Nakakura, Hirofumi; Shibata, Morio; Ishikawa, Haruo; Nakano, Akihisa; Hiroto, Hiromi; and Oyabu, Hajime, to Matsushita Electric Industrial Co., Ltd. Method of making bread. 4,885,176, 12-5-89, Cl. 426-19.000.
- Nakakusu, Tohru: *See—*
  - Umeda, Osamu; Nakakusu, Tohru; Sato, Makoto; and Shimazaki, Tatsuo, 4,875,064, Cl. 353-78.000.
- Nakama, Lloyd: *See—*
  - Lee, Sung Y.; and Nakama, Lloyd, 4,819,942, Cl. 273-186.00A.
- Nakamae, Masahiko, to NEC Corporation. Semiconductor device having multilayer silicide contact system and process of fabrication thereof. 4,800,177, 1-24-89, Cl. 437-193.000.
- Nakamaki, Shin; and Sasahara, Yuzuru, to Tel Sagami Limited. Method of carrying objects into and from a furnace, and apparatus for carrying objects into and from a furnace. 4,888,994, 12-26-89, Cl. 73-760.000.
- Nakamaru, Koichi: *See—*
  - Takahashi, Toshihiro; Nakamaru, Koichi; Suzuki, Yoshikuni; and Horaguchi, Tatsuo, 4,829,069, Cl. 514-259.000.
  - Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,833,144, Cl. 514-259.000.
  - Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,861,780, Cl. 514-259.000.
- Nakamichi Corporation: *See—*
  - Aoyagi, Tetsuji, 4,863,228, Cl. 350-6.900.
  - Chikashige, Tadaaki, 4,876,615, Cl. 360-43.000.
  - Inoue, Yoshihisa, 4,832,284, Cl. 242-195.000.
  - Kobayashi, Kozo, 4,814,740, Cl. 341-118.000.
  - Nakagome, Fuyuki, 4,879,614, Cl. 360-93.000.
  - Nakamichi, Niro, 4,875,126, Cl. 360-130.230.
  - Yamada, Fumiaki; and Hosobuchi, Masato, 4,796,267, Cl. 372-38.000.
- Nakamichi, Niro, to Nakamichi Corporation. Stationary tape guide for a magnetic tape recorder. 4,875,126, 10-17-89, Cl. 360-130.230.
- Nakamichi, Yuji: *See—*
  - Yamazaki, Iwao; Nakamichi, Yuji; Abe, Keizo; and Okudera, Tatsuya, 4,813,412, Cl. 128-303.130.
- Nakamine, Takeshi: *See—*
  - Kubodera, Seiiti; and Nakamine, Takeshi, 4,873,220, Cl. 503-227.000.
- Nakamizo, Keiichi: *See—*
  - Sato, Masato; Nakamizo, Keiichi; and Mitadera, Takashi, 4,805,565, Cl. 123-90.600.
- Nakamori, Katsu: *See—*
  - Takashima, Yasuji; Koyama, Ikuo; Maki, Tooru; and Nakamori, Katsu, 4,853,249, Cl. 427-3.000.
- Nakamori, Masaharu: *See—*
  - Matsuura, Masaaki; Ishikawa, Mitsuru; Nakamori, Masaharu; and Kuroki, Masahiro, 4,858,577, Cl. 123-190.00A.
  - Matsuura, Masaaki; Nakamori, Masaharu; Kuroki, Masahiro; and Ishikawa, Mitsuru, 4,887,567, Cl. 123-190.00D.
  - Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, 4,873,156, Cl. 429-31.000.
- Nakamori, Shigeru: *See—*
  - Ishida, Masaaki; Miwa, Kiyoshi; Nakamori, Shigeru; and Sano, Konosuke, 4,885,245, Cl. 435-108.000.
  - Sano, Konosuke; Ito, Koichi; Miwa, Kiyoshi; and Nakamori, Shigeru, 4,861,722, Cl. 435-252.320.
- Nakamori, Tomohiro; Tsuruoka, Taiji; Shibata, Susumu; and Kanamori, Takashi, to Oki Electric Industry Co., Ltd. Heating resistor and method for making same. 4,849,605, 7-18-89, Cl. 219-216.000.
- Nakamori, Yoshiyuki: *See—*
  - Kanazawa, Yasunori; Nakamori, Yoshiyuki; Kuwa, Tadahiro; Fujimoto, Nobuyuki; and Abe, Shinichi, 4,811,151, Cl. 360-133.000.
- Nakamoto, Akira: *See—*
  - Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,841,737, Cl. 62-133.000.
  - Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,846,630, Cl. 417-222.000.
  - Kimura, Kazuya; Nakamoto, Akira; and Hasegawa, Jun, 4,838,766, Cl. 417-222.000.
- Nakamoto, Katsuya; Kanno, Yoshiaki; and Nishiyama, Ryoji, to Mitsubishi Denki Kabushiki Kaisha. Fuel controlling system for internal combustion engine. 4,809,664, 3-7-89, Cl. 123-436.000.
- Nakamoto, Katsuya: *See—*
  - Kanno, Yoshiaki; Nakamoto, Katsuya; and Sumitani, Jiro, 4,805,577, Cl. 123-488.000.
- Nakamoto, Kouji; Morishita, Nobumichi; and Aoyama, Masahide, to Eisai Co., Ltd. Agent for treating hyperuricemia. 4,883,821, 11-28-89, Cl. 514-617.000.
- Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, to Eisai Co., Ltd. Polyprenyl Compounds. 4,883,916, 11-28-89, Cl. 564-186.000.
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  - Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
  - Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.
- Nakamoto, Satoru. *See—*
  - Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, 4,879,341, Cl. 525-66.000.
- Nakamoto, Takehiro, to Sharp Kabushiki Kaisha. Antitheft device for car stereo. 4,848,716, 7-18-89, Cl. 248-553.000.
- Nakamune, Kenichi: *See—*
  - Nagata, Tsuyoshi; Nakamune, Kenichi; and Fujita, Katsuto, 4,832,580, Cl. 417-290.000.
- Nakamura, Akihiko: *See—*
  - Tamaki, Yoji; Kino, Takuya; Ito, Takashi; and Nakamura, Akihiko, 4,860,461, Cl. 34-68.000.
- Nakamura, Akihiro: *See—*
  - Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.

  - Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,593, Cl. 65-18.400.
  - Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.
  - Morishita, Hiroshi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,595, Cl. 65-18.400.
- Nakamura, Akira; Hanaoka, Motoyoshi; and Sugimoto, Tatsuo, to Nissan Motor Co., Ltd. Accelerator cable connecting device. 4,800,773, 1-31-89, Cl. 74-500.500.
- Nakamura, Akira: *See—*
  - Hanaoka, Motoyoshi; and Nakamura, Akira, 4,856,477, Cl. 123-399.000.
  - Hasegawa, Hiroaki; Miyata, Yasuji; Sugimoto, Koyata; and Nakamura, Akira, 4,811,606, Cl. 73-861.380.
  - Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, 4,822,668, Cl. 428-283.000.
  - Tanaka, Tsuneo; Iwasa, Mikio; Kimura, Youichi; and Nakamura, Akira, 4,823,908, Cl. 181-175.000.
- Nakamura, Akito; and Sugihara, Junpei, to Toray Silicone Co., Ltd. Silicone rubber-covered copier roll. 4,830,893, 5-16-89, Cl. 428-35.800.
- Nakamura, Akiyoshi; Ando, Makoto; Ogino, Shuji; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Automatic focusing device and automatic exposure control device. 4,837,594, 6-6-89, Cl. 354-402.000.
- Nakamura, Asao: *See—*
  - Naora, Hirokazu; Onuki, Takashi; and Nakamura, Asao, 4,849,535, Cl. 556-441.000.
- Nakamura, Asumaru; Kusuki, Yoshihiro; and Harada, Takashi, to Agency of Industrial Science and Technology. Aromatic imide polymer hollow filaments. 4,830,640, 5-16-89, Cl. 55-158.000.
- Nakamura, Atsumi: *See—*
  - Kaneko, Shoji; and Nakamura, Atsumi, 4,841,558, Cl. 378-182.000.
- Nakamura, Atsushi: *See—*
  - Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki, 4,822,989, Cl. 235-492.000.
- Nakamura, Eiichi: *See—*
  - Fujii, Masahiro; and Nakamura, Eiichi, 4,832,847, Cl. 210-616.000.
- Nakamura, Eitaro: *See—*
  - Yamakawa, Masahiro; and Nakamura, Eitaro, 4,851,465, Cl. 524-431.000.
- Nakamura, Fumiaki: *See—*
  - Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.
- Nakamura, Gary D.; and Stephenson, Jerry D., to Boeing Company, The. Thermal management system. 4,880,050, 11-14-89, Cl. 165-41.000.
- Nakamura, Haruo: *See—*
  - Aoki, Kenji; Nagata, Mitsuo; Nakamura, Haruo; and Miura, Teiji, 4,810,062, Cl. 350-339.00F.
- Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, to Omron Tateisi Electronics Company. Transducer and related circuitry. 4,875,016, 10-17-89, Cl. 328-26.000.
- Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, to Omron Tateisi Electronics Company. Transducer and related circuitry. 4,881,039, 11-14-89, Cl. 328-26.000.
- Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, to Omron Tateisi Electronics Co. Transducer for process control. 4,882,584, 11-21-89, Cl. 341-139.000.
- Nakamura, Hideaki: *See—*
  - Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitomi, Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, 4,876,669, Cl. 365-189.010.
- Nakamura, Hideo; and Sawase, Terumi, to Hitachi, Ltd. Semiconductor integrated circuit with nonvolatile memory. 4,821,240, 4-11-89, Cl. 365-228.000.
- Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, to Sumitomo Chemical Company Limited; Sumitomo Chemical Engineering Co., Ltd.; and Nippon Valqua Kogyo Kabushiki Kaisha. Apparatus for cleaning of coupler elements. 4,821,753, 4-18-89, Cl. 134-59.000.
- Nakamura, Hiroaki, to' Shinko Electric Co., Ltd. Electromagnetic clutch. 4,804,874, 2-14-89, Cl. 310-92.000.
- Nakamura, Hiroaki: *See—*
  - Kamoshida, Kazuyoshi; Nakamura, Hiroaki; and Amazawa, Takao, 4,816,126, Cl. 204-192.300.
- Nakamura, Hiromi, to Toshiba Kikai Kabushiki Kaisha. Die casting apparatus. 4,854,370, 8-8-89, Cl. 164-259.000.
- Nakamura, Hiromi, to Toshiba Kikai Kabushiki Kaisha. Magnetic scale and method of manufacturing the same. 4,871,624, 10-3-89, Cl. 428-611.000.
- Nakamura, Hiromi: *See—*
  - Chikamori, Yoshihiro; Nakamura, Hiromi; Ariyoshi, Ayako; and Sugimoto, Norie, 4,829,683, Cl. 36-51.000.
- Nakamura, Hiromichi: *See—*
  - Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.
- Nakamura, Hironori; Yotsui, Toshiaki; Sato, Youichi; Umetsubo, Toshiaki; and Ohkawa, Hideo, to CALP Kogyo Kabushiki Kaisha. Combination roll. 4,872,247, 10-10-89, Cl. 29-125.000.
- Nakamura, Hironori: *See—*
  - Shimogawara, Jun; and Nakamura, Hironori, 4,812,065, Cl. 400-624.000.
- Nakamura, Hiroshi; and Kusano, Satoshi, to Pioneer Electronic Corporation. Servomechanism for recording disk reproducing system. 4,795,958, 1-3-89, Cl. 318-625.000.
- Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, to Sharp Kabushiki Kaisha. Magnification converting mechanism for a variable magnification copying apparatus. 4,796,053, 1-3-89, Cl. 355-8.000.
- Nakamura, Hiroshi: *See—*
  - Saito, Tadashi; Nakamura, Hiroshi; and Tsunotani, Masanori, 4,889,817, Cl. 437-22.000.
  - Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.
  - Takenaka, Sadao; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, 4,860,316, Cl. 375-39.000.
- Nakamura, Hiroto: *See—*
  - Fukushima, Hitoshi; Takei, Katsumori; Iwamoto, Kohei; and Nakamura, Hiroto, 4,884,081, Cl. 346-74.600.
- Nakamura, Hiroyuki; Ito, Masashi; Itoi, Toshiki; and Hashimoto, Akifumi, to Matsushita Electric Industrial Co., Ltd. Objective lens driving unit. 4,842,392, 6-27-89, Cl. 350-247.000.
- Nakamura, Hiroyuki: *See—*
  - Ito, Masashi; Matsuno, Toshiki; Nakamura, Hiroyuki; and Yasuda, Hiroshi, 4,868,821, Cl. 369-112.000.
  - Okamoto, Yoshio; Hatada, Koichi; Shibata, Tohru; Okamoto, Ichiro; and Nakamura, Hiroyuki, 4,818,394, Cl. 210-198.200.
  - Yuki, Yoichi; Okamoto, Ichiro; Shibata, Tohru; and Nakamura, Hiroyuki, 4,846,968, Cl. 210-198.200.
- Nakamura, Hisanori: *See—*
  - Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.
  - Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
- Nakamura, Hisao: *See—*
  - Nakajima, Tohru; and Nakamura, Hisao, 4,831,446, Cl. 358-181.000.
- Nakamura, Hisashi: *See—*
  - Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.
- Nakamura, Hitoshi, to Ishikawajima-Harima Heavy Industries Co., Ltd. Method of ameliorating the residual stresses in metallic duplex tubes and the like and apparatus therefor. 4,807,801, 2-28-89, Cl. 228-231.000.
- Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, to Hitachi Cable, Ltd.; and Hitachi, Ltd. Photo semiconductor device having a multi-quantum well structure. 4,840,446, 6-20-89, Cl. 350-96.130.
- Nakamura, Hitoshi; and Hori, Yasuaki, to Ohi Seisakusho Co., Ltd. Pawl structure in a door locking device for a vehicle. 4,856,829, 8-15-89, Cl. 292-216.000.
- Nakamura, Hitoshi, to Ohi Seisakusho Co., Ltd. Door locking device for a vehicle. 4,867,495, 9-19-89, Cl. 292-336.300.
- Nakamura, Hitoshi: *See—*
  - Inoue, Hiroaki; Sakano, Shinji; Nakamura, Hitoshi; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,887,877, Cl. 350-96.110.
  - Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.
  - Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.
  - Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.
  - Kokabu, Misao; Nakamura, Hitoshi; Fujimura, Takashi; and Hayashi, Nobuyasu, 4,841,315, Cl. 354-1.000.
  - Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, 4,841,536, Cl. 372-46.000.
  - Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, 4,813,757, Cl. 350-96.140.
- Nakamura, Ichiro; and Nara, Toshihiko, to Hitachi, Ltd. Fluid-pressure elevator. 4,830,146, 5-16-89, Cl. 187-26.000.
- Nakamura, Ichiro: *See—*
  - Shimonaka, Hideki; and Nakamura, Ichiro, 4,809,679, Cl. 128-4.000.
- Nakamura, Ikuro: *See—*
  - Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hiraoka, Fumio; and Nakamura, Ikuro, 4,800,155, Cl. 435-7.000.
- Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, to Minolta Camera Kabushiki Kaisha. Camera. 4,887,107, 12-12-89, Cl. 354-195.120.
- Nakamura, Ikushi: *See—*
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.

  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
- Nakamura, Issei; and Matsumoto, Kazumasa, to Konishiroku Photo Industry Co., Ltd. Magnetic recording medium. 4,844,977, 7-4-89, Cl. 428-328.000.
- Nakamura, Itaru: *See—*
  - Taniguchi, Takashi; Hosono, Hiroshi; and Nakamura, Itaru, 4,835,023, Cl. 428-15.000.
- Nakamura, Itsuro; Sato, Yoshiaki; and Ito, Junichi, to Victor Company of Japan, Ltd. Magnetic recording medium. 4,863,795, 9-5-89, Cl. 428-329.000.
- Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, to Kyowa Hakko Kogyo Kabushiki Kaisha. Cinnamoyl piperidines and thiomorpholine and cerebral protection compositions. 4,824,842, 4-25-89, Cl. 514-227.500.
- Nakamura, Junichi; and Mizoguchi, Toyokazu, to Olympus Optical Co., Ltd. Solid-state image pickup apparatus using static induction transistors for performing non-destructive readout. 4.806,779, 2-21-89, Cl. 250-578.000.
- Nakamura, Junichi: *See—*
  - Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junichi; Yajima, Akitaka; and Aruga, huji, 4,850,685, Cl. 350-397.000.
- Nakamura, Junji: *See—*
  - Matsui, Shigeaki; Hirai, Eiichi; and Nakamura, Junji, 4,871,674, Cl. 435-284.000.
- Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, to Mitsui Toatsu Chemicals, Incorporated. Polarizing film. 4,824,882, 4-25-89, Cl. 524-89.000.
- Nakamura, Katsuji; Kitamura, Masami; and Iwanaga, Kouichi, to Matsushita Electric Works, Ltd. Rechargeable battery pack and charger unit combination. 4,829,226, 5-9-89, Cl. 320-35.000.
- Nakamura, Katsuma: *See—*
  - Ohkubo, Masahiro; Shiba, Hirofumi; and Nakamura, Katsuma, 4,815,341, Cl. 74-878.000.
- Nakamura, Katsumi; and Yamamoto, Tadahisa, to Kyocera Corporation. Ceramic substrate for semiconductor package. 4,853,271, 8-1-89, Cl. 428-81.000.
- Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, to Honda Giken Kogyo Kabushiki Kaisha; and Dainichi Kogyo Kabushiki Kaisha. Valve inserting apparatus for an internal combustion engine. 4,879,795, 11-14-89, Cl. 29-214.000.
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- Nakamura, Katsumi: *See—*
  - Miyazaki, Kenichi; Nakamura, Katsumi; Hagiwara, Taro; and Inoue, Keizo, 4,836,600, Cl. 296-197.000.
  - Miyazaki, Kenichi; Nakamura, Katsumi; and Hagiwara, Taro, 4,883,309, Cl. 296-194.000.
- Nakamura, Katsunori: *See—*
  - Takeuchi, Hisaharu; Kurano, Akira; Shiroyanagi, Yoshiro; Takamatsu, Hisashi; and Nakamura, Katsunori, 4,807,180, Cl. 364-900.000.
- Nakamura, Katsuya: *See—*
  - Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; Kayakiri, Hiroshi; and Hashimoto, Masashi, 4,857,513, Cl. 514-76.000.
  - Oku, Teruo; Todo, Eishiro; Kasahara, Chiyoshi; Nakamura, Katsuya; and Kayakiri, Hiroshi, 4,889,851, Cl. 514-223.200.
- Nakamura, Katsuyuki: *See—*
  - Komatsu, Yukinari; and Nakamura, Katsuyuki, 4,816,289, Cl. 423-447.300.
- Nakamura, Katunori, to Winners Japan Company Limited. Halitosis detector device. 4,823,803, 4-25-89, Cl. 128-717.000.
- Nakamura, Katushige, to Mitaka Kohki Company Ltd. Method and apparatus for noncontact automatic focusing. 4,843,228, 6-27-89, Cl. 250-201.000.
- Nakamura, Katushige, to Mitaka Kohki Company Ltd. Stand mechanism for a medical optical equipment. 4,867,405, 9-19-89, Cl. 248-281.100.
- Nakamura, Katushige, to Mitaka Kohki Company Ltd. Stand mechanism for a medical optical equipment. 4,881,709, 11-21-89, Cl. 248-281.100.
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; and Sanada, Yuji, to Toyotomi Kogyo Co., Ltd. Safety device for oil burner. 4,797,088, 1-10-89, Cl. 431-15.000.
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, to Toyotomi Kogyo Co., Ltd. Fire-extinguishing device for oil burner. 4,810,185, 3-7-89, Cl. 431-150.000.
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, to Toyotomi Kogyo Co., Ltd. Fire-extinguishing device for oil burner. 4,872,829, 10-10-89, Cl. 431-33.000.
- Nakamura, Kazuhiko: *See—*
  - Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.
  - Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
  - Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
- Nakamura, Kazuhiro: *See—*
  - Nakamura, Tomoji; Sawada, Ryoji; and Nakamura, Kazuhiro, 4,821,567, Cl. 73-182.000.
- Nakamura, Kazuhisa: *See—*
  - Hanzawa, Kohtaro; Morikawa, Shigenori; and Nakamura, Kazuhisa, 4,864,625, Cl. 381-61.000.
- Nakamura, Kazumasa: *See—*
  - Inagaki, Takafumi; and Nakamura, Kazumasa, 4,830,132, Cl. 180-197.000.
- Nakamura, Kazumitsu: *See—*
  - Yanagisawa, Akira; and Nakamura, Kazumitsu, 4,853,549, Cl. 250-491.100.
- Nakamura, Kazunari, to Olympus Optical Co., Ltd. Endoscope apparatus. 4,878,113, 10-31-89, Cl. 358-98.000.
- Nakamura, Kazunari: *See—*
  - Kiyoura, Kazuhiro; Endo, Fumio; Kimura, Toshiyuki; Aoyagi, Yoshio; and Nakamura, Kazunari, 4,841,506, Cl. 369-32.000.
- Nakamura, Kazuo; and Keiko, Yasuaki, to Yamazaki Corporation. Mop with squeezer. 4,809,387, 3-7-89, Cl. 15-119.00R.
- Nakamura, Kazuo: *See—*
  - Azuma, Nobuyuki; Nakamura, Kazuo; Maeda, Minoru; and Yamada, Mamoru, 4,842,840, Cl. 423-345.000.
  - Azuma, Nobuyuki; Maeda, Minoru; and Nakamura, Kazuo, 4,853,204, Cl. 423-344.000.
  - Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, 4,862,139, Cl. 340-426.000.
  - Kano, Atsushi; Mizuno, Masayuki; Kajiwara, Manabu; Sakaue, Kenji; Abe, Yuji; and Nakamura, Kazuo, 4,813,612, Cl. 271-10.000.
  - Nitta, Yasuhiko; and Nakamura, Kazuo, 4,890,251, Cl. 364-715.080.
  - Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.
- Nakamura, Keiichi; Tanaka, Tsuneo; Inaguma, Yoshiharu; and Shiratori, Harunori, to Toyoda Koki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Control system for hydraulic tandem pump in motor vehicle. 4,798,050, 1-17-89, Cl. 60-329.000.
- Nakamura, Keiichi; Honaga, Susumu; Suzuki, Mikio; and Kawakami, Hiroshi, to Toyoda Koki Kabushiki Kaisha. Power steering system with hydraulic reaction. 4,805,714, 2-21-89, Cl. 180-141.000.
- Nakamura, Keiichi: *See—*
  - Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, 4,817,751, Cl. 180-233.000.
  - Okada, Kenichi; Asao, Hiroshi; and Nakamura, Keiichi, 4,827,747, Cl. 72-59.000.
- Nakamura, Kenichi, to Canon Kabushiki Kaisha. Photoelectric converting apparatus having a common region connecting either sources or drains to a common signal line. 4,868,405, 9-19-89, Cl. 250-578.000.
- Nakamura, Kenichi: *See—*
  - Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.
  - Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.
  - Yamada, Wataru; Fujio, Satoshi; and Nakamura, Kenichi, 4,858,210, Cl. 368-238.000.
- Nakamura, Kenichiro, to Tsubakimoto Chain Company. Gyratory parabolic antenna driving device. 4,799,064, 1-17-89, Cl. 343-766.000.
- Nakamura, Kenji, to Canon Kabushiki Kaisha. Surface acoustic wave generator. 4,798,987, 1-17-89, Cl. 310-313.00R.
- Nakamura, Kenji; and Tokuhara, Yasutaka, to Shimadzu Corporation. Method and apparatus for measuring light by frequency modulation using a time-variable synchronous rectification signal. 4,807,993, 2-28-89, Cl. 356-323.000.
- Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, to Hitachi, Ltd. Thermal transfer printer. 4,809,018, 2-28-89, Cl. 346-76.0PH.
- Nakamura, Kenji, to Canon Kabushiki Kaisha. Surface acoustic wave generating apparatus including a positive feedback-type generator. 4,815,802, 3-28-89, Cl. 350-96.130.
- Nakamura, Kenji; and Nakamura, Koji, to Eluci Company Inc. Resealable dispenser-container for wet tissues. 4,848,575, 7-18-89, Cl. 206-449.000.
- Nakamura, Kenji: *See—*
  - Egara, Koichi; Mochizuki, Norihiro; Nakamura, Kenji; and Yoshinaga, Kazuo, 4,882,715, Cl. 367-140.000.
  - Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kan, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.
  - Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,810,185, Cl. 431-150.000.
  - Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,872,829, Cl. 431-33.000.
- Nakamura, Kensaku. Rotational screw for mixing. 4,840,492, 6-20-89, Cl. 366-81.000.
- Nakamura, Kensaku. Rotational screw for mixing. 4,846,659, 7-11-89, Cl. 425-208.000.

Nakamura, Kenzo: *See—*
Inouye, Masayori; Nakamura, Kenzo; and Masui, Yoshihiro, 4,863,855, Cl. 435-68.000.
Nakamura Kiki Engineering Co.: *See—*
Nakanishi, Koji; Yoshino, Mituo; and Saito, Yoshitane, 4,854,346, Cl. 137-624.110.
Nakamura Kiki Engineering Company Limited: *See—*
Hozumi, Kazuhiro; Arai, Masaru; and Saito, Yoshitane, 4,889,164, Cl. 137-625.640.
Nakamura, Kikuo, to Sigma, Incorporated. Reel tare fixing device and reel. 4,874,172, 10-17-89, Cl. 273-143.00R.
Nakamura, Kikuo: *See—*
Nakamura, Shunichi; Iimura, Kouichi; Nakamura, Kikuo; and Ozawa, Susumu, 4,840,290, Cl. 221-10.000.
Nakamura, Kimihiko: *See—*
Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,862,710, Cl. 68-12.00R.
Torita, Fumio; Ikeda, Naotaka; Nakamura, Kimihiko; Matsuo, Katsuharu; Hotta, Tomio; and Makino, Yoshiyuki, 4,875,607, Cl. 222-643.000.
Nakamura, Kimitsugu; and Ito, Masuo, to Hamamatsu Photonics Kabushiki Kaisha. Photomultiplier with secondary electron shielding means. 4,825,066, 4-25-89, Cl. 250-207.000.
Nakamura, Kimitsugu: *See—*
Kyushima, Hiroyuki; Nakamura, Kimitsugu; and Kato, Takahito, 4,881,008, Cl. 313-532.000.
Nakamura, Kiyoji: *See—*
Yamasaki, Teiicni; and Nakamura, Kiyoji, 4,864,359, Cl. 355-51.000.
Nakamura, Kiyoshi: *See—*
Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, 4,884,182, Cl. 363-37.000.
Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, 4,799,161, Cl. 364-426.010
Nagata, Mitsuhiro; Hayashi, Tadashi; Hashimoto, Yoshinobu; and Nakamura, Kiyoshi, 4,873,208, Cl. 501-89.000.
Takahashi, Eiki; Miyazaki, Masahiro; and Nakamura, Kiyoshi, 4,885,503, Cl. 313-450.000.
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Nakamura, Koichi: *See—*
Aono, Toshiaki; and Nakamura, Koichi, 4,818,662, Cl. 430-348.000.
Hori, Kimihiko; Nakamura, Koichi; Kawai, Michio; Motegi, Itsuro; Imokawa, Genji; and Takaishi, Naotake, 4,876,084, Cl. 424-62.000.
Nakamura, Koji: *See—*
Nakamura, Kenji; and Nakamura, Koji, 4,848,575, Cl. 206-449.000.
Nakamura, Koki, to Fuji Photo Film Co., Ltd. Silver halide photographic materials. 4,840,887, 6-20-89, Cl. 430-564.000.
Nakamura, Koki; Sakanoue, Kei; and Ichijima, Seiji, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,886,736, 12-12-89, Cl. 430-359.000.
Nakamura, Koozoo; Tadauchi, Masaharu; and Hamada, Nagaharu, to Hitachi, Ltd. Information processing system having decode, write and read means. 4,809,215, 2-28-89, Cl. 364-900.000.
Nakamura, Kousei; and Yoshida, Takashi, to Fanuc Ltd. Rotor of a built-in motor. 4,804,872, 2-14-89, Cl. 310-42.000.
Nakamura, Kunihiko: *See—*
Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masuko, Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, Cl. 198-346.200.
Nakamura, Kyoichi: *See—*
Yoshida, Hiroyuki; and Nakamura, Kyoichi, 4,810,440, Cl. 264-53.000.
Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; and Tani, Noriaki, to Nihon Shinku Gijutsu Kabushiki Kaisha. Abrasion resistant magnetic recording member. 4,804,590, 2-14-89, Cl. 428-408.000.
Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; Tani, Noriaki; and Higuchi, Yasushi, to Nihon Shinku Gijutsu Kabushiki Kaisha. Co-based alloy sputter target and process of manufacturing the same. 4,832,810, 5 23-89, Cl. 204-192.150.
Nakamura, Makio, to Sharp Kabushiki Kaisha. Lower-noise microwave amplifying circuit. 4,837,524, 6-6-89, Cl. 330-286.000.
Nakamura, Makio, to Sharp Kabushiki Kaisha. ǂ Wavelength side coupled filter. 4,851,797, 7-25-89, Cl. 333-134.000.
Nakamura, Makoto: *See—*
Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
Kogure, Eriko; Nakamura, Makoto; and Kumazawa, Toshiaki, 4,855,229, Cl. 435-28.000.
Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura, Makoto; Naito, Kazuo; and Honda, Toshio, 4,872,932, Cl. 156-151.000.
Nakamura, Mamoru, to Aisin Seiki Kabushiki Kaisha. Electromagnetic valve. 4,805,871, 2-21-89, Cl. 251-129.170.
Nakamura, Masaaki: *See—*
Kitamura, Masuo; Takagi, Mitsuhiro; and Nakamura, Masaaki, 4,857,669, Cl. 174-53.000.
Nakamura, Masahi: *See—*
Nojiri, Hidetoshi; and Nakamura, Masahi, 4,828,644, Cl. 156-345.000.
Nakamura, Masahiko: *See—*
Maeda, Hiroaki; and Nakamura, Masahiko, 4,885,960, Cl. 74-866.000.
Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, to Hitachi, Ltd. Process monitoring apparatus for process management in production and assembly lines. 4,802,094, 1-31-89, Cl. 364-468.000.
Nakamura, Masahiro: *See—*
Watanabe, Yuji; and Nakamura, Masahiro, 4,876,729, Cl. 382-22.000.
Nakamura, Masanobu, to Mitsui & Co., Ltd.; and Kokan Kako Co., Ltd. Tubular transmission shaft. 4,820,241, 4-11-89, Cl. 464-183.000.
Nakamura, Masanobu, to Mitsui & Co., Ltd.; and Kokan Kako Co., Ltd. Cam shaft manufacturing method and device used therein. 4,827,585, 5-9-89, Cl. 29-156.40R.
Nakamura, Masanobu, to Mitsui & Co., Ltd.; and Kokan Kako Co., Ltd. Method for manufacturing a pipe with projections. 4,840,053, 6-20-89, Cl. 72-58.000.
Nakamura, Masanobu, to Kokan Kako Co., Ltd. Method of connecting a tubular member with an annular member. 4,882,825, 11-28-89, Cl. 29-156.40R.
Nakamura, Masanobu: *See—*
Khe, Nguyen C.; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,868,079, Cl. 430-72.000.
Nishio, Yoshihiro; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,859,555, Cl. 430-72.000.
Nakamura, Masao; and Tonokawa, Hiroshi, to Asahi Kasei Kogyo Kabushiki Kaisha; and Dow Chemical Company, The. Heat insulating structures for low-temperature or cryogenic pipings. 4,878,520, 11-7-89, Cl. 138-149.000.
Nakamura, Masao: *See—*
Iwata, Norio; Nakamura, Masao; and Takusagawa, Takashi, 4,842,682, Cl. 156-130.000.
Mamada, Mamoru; Yanagi, Mitsuhisa; and Nakamura, Masao, 4,836,257, Cl. 152-209.00R.
Takeda, Haruo; Tabata, Kuniaki; and Nakamura, Masao, 4,808,987, Cl. 340-721.000.
Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,806,965, Cl. 355-1.000.
Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,884,095, Cl. 355-1.000.
Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, 4,820,861, Cl. 560-41.000.
Nakamura, Masaru; and Yamagauchi, Masao, to Hirose Electric Co., Ltd. Electrical connector. 4,822,303, 4-18-89, Cl. 439-607.000.
Nakamura, Masaru; and Matsuzaki, Shuichi, to Hirose Electric Co., Ltd. Modular connector with EMI countermeasure. 4,838,811, 6-13-89, Cl. 439-607.000.
Nakamura, Masaru: *See—*
Mand, Ranjit S.; and Nakamura, Masaru, 4,819,048, Cl. 357-17.000.
Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, 4,862,474, Cl. 372-50.000.
Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto, 4,858,241, Cl. 372-46.000.
Nakamura, Masatake: *See—*
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,810,961, Cl. 324-95.000.
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,814,694, Cl. 324-95.000.
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiuyki; and Nagata, Koji, 4,889,958, Cl. 174-35.0MS.
Nakamura, Masatoshi, to Nissan Motor Company, Limited. Vehicular brake control system. 4,872,731, 10-10-89, Cl. 303-93.000.
Nakamura, Masatsugu; and Itoh, Ikuo, to Sharp Kabushiki Kaisha. Positive/negative image forming method and apparatus for electrophotographic image forming device. 4,843,423, 6-27-89, Cl. 355-245.000.
Nakamura, Masayoshi: *See—*
Johna, Nobuo; Ishikawa, Tsutomu; Kawabe, Takeshi; and Nakamura, Masayoshi, 4,825,444, Cl. 372-41.000.
Nakamura, Michiei: *See—*
Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
Nakamura, Michio: *See—*
Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, 4,827,180, Cl. 313-404.000.
Tokita, Kiyoshi; Sone, Toshinao; Urata, Hiroshi, and Nakamura, Michio, 4,866,333, Cl. 313-406.000.
Nakamura, Michiya, to NEC Corporation. Microcomputer having high-speed and low-speed operation modes for reading a memory. 4,862,348, 8-29-89, Cl. 364-200.000.
Nakamura, Mikihiko: *See—*
Suzuki, Yoshio; Nakamura, Mikihiko; and Aoshima, Atsushi, 4,820,796, Cl. 528-292.000.
Nakamura, Minoru; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Copying apparatus having an automatic document feeder and at least two operation modes. 4,879,574, 11-7-89, Cl 355-204.000.
Nakamura, Minoru: *See—*
Kasai, Minoru; and Nakamura, Minoru, 4,880,105, Cl. 198-465.400.

Tanaka, Yukitaka; Nakamura, Minoru; Okada, Johshin; and Mansho, Kenji, 4,837,214, Cl. 514-179.000.
Nakamura, Mitsuharu: *See—*
Yoshioka, Ritsuo; Ueda, Makoto; Motora, Yoichi; and Nakamura, Mitsuharu, 4,876,060, Cl. 376-333.000.
Nakamura, Mitsuki: *See—*
Shiraishi, Motoatsu; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,807,456, Cl. 72-405.000.
Shiraishi, Motoatsu; Tazou, Ken; Sasagawa, Masaru; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,866,974, Cl. 72-405.000.
Nakamura, Mitsunori; Sakuragi, Kenkichi; Sasai, Keizo; and Ohkubo, Akio, to Canon Kabushiki Kaisha. Recording apparatus with plural sheet supply and selective conveyance. 4,868,674, 9-19-89, Cl. 358-296.000.
Nakamura, Mitsunori: *See—*
Sakuragi, Kenkichi; Ohkubo, Akio; Sasai, Keizo; and Nakamura, Mitsunori, 4,849,824, Cl. 358-296.000.
Nakamura, Mitsuo; and Yamashita, Tsuyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Vehicular soundproof structure. 4,823,909, 4-25-89, Cl. 181-290.000.
Nakamura, Mitsuo, to Fuji Jukogyo Kabushiki Kaisha. System for controlling the ignition timing of an internal combustion engine. 4,844,027, 7-4-89, Cl. 123-425.000.
Nakamura, Mitsutoshi: *See—*
Iino, Shuji; Hotomi, Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,810,606, Cl. 430-58.000.
Iino, Shuji; Hotomi Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,863,821, Cl. 430-58.000.
Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Nakamura, Mitsutoshi; and Doi, Isao, 4,851,313, Cl. 430-58.000.
Nakamura, Morio: *See—*
Kunimoto, Akihiro; Takabayashi, Seiichirou; Nakamura, Morio; and Maeda, Tatuaki, 4,810,419, Cl. 252-511.000.
Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,863,989, Cl. 524-419.000.
Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,880,888, Cl. 526-209.000.
Nakamura, Moritaka; and Kurimoto, Takashi, to Fujitsu Limited. Method of dry etching aluminum. 4,798,650, 1-17-89, Cl. 156-643.000.
Nakamura, Motoharu; Ohsawa, Takaaki; Haga, Hirokazu; and Tanabe, Akira, to Nippon Steel Corporation. Apparatus for applying anti-sticking agent on annealed oriented electrical sheet steel in coil. 4,825,807, 5-2-89, Cl. 118-672.000.
Nakamura, Motoko: *See—*
Takaya, Susumu; Hirota, Hajime; and Nakamura, Motoko, 4,832,950, Cl. 424-81.000.
Nakamura, Munekazu: *See—*
Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 423-562.000.
Nakamura, Naomasa: *See—*
Kobayashi, Tadashi; Suzuki, Katsumi; and Nakamura, Naomasa, 4,803,660, Cl. 365-113.000.
Nakamura, Naoto: *See—*
Kobayashi, Kenichi; Koba, Hiroyuki; and Nakamura, Naoto, 4,818,919, Cl. 315-371.000.
Nakamura, Naoyuki; and Sangen, Masashi, to Matsushita Electronics Corporation. Fluorescent lamp device with incandescent bulb type base cap. 4,841,193, 6-20-89, Cl. 313-318.000.
Nakamura, Noboru: *See—*
Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, 4,872,881, Cl. 8-547.000.
Nakamura, Nobuhiro, to Mitsubishi Denki Kabushiki Kaisha. Radio data transmission system. 4,864,641, 9-5-89, Cl. 455-276.000.
Nakamura, Nobuo: *See—*
Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, 4,837,689, Cl. 364-419.000.
Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, to Sharp Kabushiki Kaisha. Thin-film electroluminescent element. 4,814,237, 3-21-89, Cl. 428-690.000.
Nakamura, Noriaki; Kawaguchi, Masashi; and Sonoyama, Yasuo, to Sharp Kabushiki Kaisha. Transparent electrodes of thin-film electroluminescence panel. 4,855,641, 8-8-89, Cl. 313-505.000.
Nakamura, Norihiko: *See—*
Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hirosi; Tanahasi, Tosio; and Hirose, Katsuhiko, 4,821,686, Cl. 123-65.0VD.
Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
Nakamura, Norihisa: *See—*
Ashikari, Toshihiko; Nakamura, Norihisa; Tanaka, Yoshikazu; Shibano, Yuji; and Yoshizumi, Hajime, 4,863,864, Cl. 435-205.000.
Nakamura, Norimasa; and Kishimoto, Satoshi, to Pioneer Ansafone Manufacturing Corporation. Data outputting device. 4,878,217, 10-31-89, Cl. 370-77.000.
Nakamura, Norio: *See—*
Ohashi, Michihiro; and Nakamura, Norio, 4,881,509, Cl. 123-571.000.
Nakamura & Partners: *See—*
Sawada, Hiroshi; and Merson, Richard L., 4,882,188, Cl. 426-438.000.
Nakamura, Ryuji, to Aisin Seiki Kabushiki Kaisha. Viscous fluid coupling. 4,880,095, 11-14-89, Cl. 192-58.00B.
Nakamura, Sadao: *See—*
Oyanagi, Shigeru; Fujita, Sumikazu; and Nakamura, Sadao, 4,815,005, Cl. 364-513.000.
Nakamura, Sadayuki: *See—*
Hirotsu, Sadao; Hoshino, Kazuo; and Nakamura, Sadayuki, 4,847,168, Cl. 428-634.000.
Hoshino, Kazuo; Hirotsu, Sadao; and Nakamura, Sadayuki, 4,849,166, Cl. 420-58.000.
Kimura, Atsuyoshi; Nakamura, Sadayuki; and Saito, Makoto, 4,806,304, Cl. 420-84.000.
Kimura, Atsuyoshi; and Nakamura, Sadayuki, 4,810,465, Cl. 420-417.000.
Nakamura, Satoshi; and Kondo, Toshiharu, to Sony Corporation. Color TV camera with circuit for adjusting the white balance of red, green, and blue signals generated from a narrow-band luminance signal and line-sequential color-difference signals. 4,827,331, 5-2-89, Cl. 358-29.000.
Nakamura, Seiichi; Saito, Mamoru; and Sugawara, Toshiaki, to Mizusawa Industrial Chemicals, Ltd. Process for preparation of granular stabilizer for chlorine-containing polymers. 4,871,498, 10-3-89, Cl. 264-115.000.
Nakamura, Seika: *See—*
Nakano, Tsuneo; Nakamura, Seika; and Shimohashi, Kiyomi, 4,821,138, Cl. 361-93.000.
Nakamura, Seishiro; Oukami, Katutoshi; and Asada, Masayuki, to Kuraray Co., Ltd. Granular inorganic moldings and a process for production thereof. 4,889,833, 12-26-89, Cl. 501-1.000.
Nakamura, Seizo, to Ohara Co., Ltd. Mold material and process for casting of pure titanium or titanium alloy. 4,830,083, 5-16-89, Cl. 164-35.000.
Nakamura, Seizo, to Ohara Co., Ltd. Dental titanium alloy castings. 4,830,823, 5-16-89, Cl. 420-420.000.
Nakamura, Shigeichi; and Tashiro, Koichi, to Namco Ltd. Object image indicating apparatus. 4,834,374, 5-30-89, Cl. 273-1.00E.
Nakamura, Shigeki; and Takahashi, Yasufumi, to Hitachi, Ltd. Carrier recovery phase-locked loop. 4,856,027, 8-8-89, Cl. 375-81.000.
Nakamura, Shigeki: *See—*
Kamisaka, Tadayuki; Yagi, Kazuo; Takahashi, Yasufumi, and Nakamura, Shigeki, 4,843,352, Cl. 332-22.000.
Nakamura, Shigeko: *See—*
Takahashi, Junya; and Nakamura, Shigeko, 4,870,064, Cl. 514-115.000.
Nakamura, Shigeo: *See—*
Matsushita, Toshio; Amano, Hideaki; Yamaura, Satoru; Nakamura, Shigeo; and Nakada, Yasusuke, 4,855,853, Cl. 360-106.000.
Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.
Yokoi, Takeshi; and Nakamura, Shigeo, 4,874,262, Cl. 400-216.100.
Nakamura, Shigeru, to Nissan Motor Co., Ltd. Window seal construction for sashless door. 4,807,923, 2-28-89, Cl. 296-146.000.
Nakamura, Shigeru; and Tsunoda, Yoshito, to Hitachi, Ltd. Optical information processing apparatus. 4,815,058, 3-21-89, Cl. 369-45.000.
Nakamura, Shigeru, Minoda, Minoru; and Shiba, Keisuke, to Fuji Photo Film Co., Ltd. Color diffusion transfer photographic film unit. 4,839,257, 6-13-89, Cl. 430-207.000.
Nakamura, Shigeru; Machida, Sadatsugi; and Toda, Tsuyoshi, to Hitachi, Ltd. Optical head and optical information processor using the same. 4,873,678, 10-10-89, Cl. 369-13.000.
Nakamura, Shigeru: *See—*
Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; Maeda, Takeshi; and Nakamura, Shigeru, 4,855,991, Cl. 369-275.000.
Nakamura, Shigetaka: *See—*
Izumi, Eiki; Tanaka, Yasuo; Watanabe, Hiroshi; and Nakamura, Shigetaka, 4,809,504, Cl. 60-430.000.
Nakamura, Shin; and Kaji, Shinichi, to Hitachi, Ltd. Electric clothes dryer. 4,825,560, 5-2-89, Cl. 34-133.000.
Nakamura, Shinichi: *See—*
Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,795,751, Cl. 514-254.000.
Matsumoto, Jun-ichi; Miyamoto, Teruyuki; Egawa, Hiroshi; and Nakamura, Shinichi, 4,886,810, Cl. 514-312.000.
Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, 4,870,448, Cl. 355-235.000.
Miyata, Masanori; Komiya, Yutaka; Nakamura, Shinichi; Hirose, Masayuki; Mori, Toshihiko; and Nakayama, Tomobumi, 4,825,250, Cl. 355-14.00R.
Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.
Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; and Katagiri, Kazuharu, 4,867,903, Cl. 252-299.610.
Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,018, Cl. 252-299.010.
Nakamura, Shinji: *See—*
Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, 4,805,074, Cl. 361-525.000.
Nakamura, Shinya: *See—*
Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, 4,879,921, Cl. 74-467.000.
Funahashi, Makoto; Kubo, Seitoku; and Nakamura, Shinya, 4,856,381, Cl. 74-867.000.

Kato, Nobuyuki; Kuramochi, Koujiro; Nakamura, Shinya; and Houjo, Yasuo, 4,858,646, Cl. 137-596.160.

Shioda, Yasuhiro; Nakamura, Shinya; Funahashi, Makoto; and Kubo, Seitoku, 4,881,725, Cl. 267-179.000.

Nakamura, Shizuka, to Mitsubishi Denki Kabushiki Kaisha. System of load flow calculation for electric power system. 4,868,410, 9-19-89, Cl. 307-20.000.

Nakamura, Shizuo; Inoue, Makoto; Inai, Masatoshi; and Tsuda, Yoshiaki, to Otsuka Pharmaceutical Factory, Inc. Proline derivatives. 4,886,813, 12-12-89, Cl. 514-326.000.

Nakamura, Shizuo: *See—*

Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.

Nakamura, Shogo; and Nakatani, Tomofumi, to Ricoh Company, Ltd. Voice spectrum analyzing system and method. 4,833,717, 5-23-89, Cl. 381-50.000.

Nakamura, Shozi: *See—*

Sugimoto, Noritsugu; Mori, Nobuyuki; Nakamura, Shozi; and Wada, Fusazo, 4,888,223, Cl. 428-34.900.

Nakamura, Shozo; Mathusima, Tokunori; and Tsuji, Kunio, to Hitachi, Ltd. Method of and apparatus for controlling steam vent volume of moisture separator reheaters. 4,840,766, 6-20-89, Cl. 376-378.000.

Nakamura, Shozo: *See—*

Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.

Nakamura, Shuichi, to Tokico Ltd. Magnetic disc recording and reproducing device. 4,812,933, 3-14-89, Cl. 360-105.000.

Nakamura, Shuji, to Tokyo Aircraft Instrument Co., Ltd. Rate-of-climb indicator. 4,890,103, 12-26-89, Cl. 340-968.000.

Nakamura, Shunichi; Iimura, Kouichi; Nakamura, Kikuo; and Ozawa, Susumu, to Kabushiki Kaisha Sigma. Bulk loaded coin dispensing machine. 4,840,290, 6-20-89, Cl. 221-10.000.

Nakamura, Shunji; Hirabayashi, Hiromitsu; Araya, Junji; and Koitabashi, Noribumi, to Canon Kabushiki Kaisha. Charging device. 4,851,960, 7-25-89, Cl. 361-225.000.

Nakamura, Sueshige: *See—*

Tazuke, Hisashi; Araki, Kazunori; Yamaguchi, Shogo; Nakamura, Sueshige; and Abe, Sadahiro, 4,807,673, Cl. 141-57.000.

Nakamura, Susumu, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,850,936, 7-25-89, Cl. 474-28.000.

Nakamura, Susumu, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,872,377, 10-10-89, Cl. 74-867.000.

Nakamura, Susumu; and Yokoi, Koichi, to Sankyo Engineering Co., Ltd. Slide core mold and injection molding. 4,889,480, 12-26-89, Cl. 425-577.000.

Nakamura, Susumu: *See—*

Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.

Nakamura, Syuji: *See—*

Shinto, Hiroaki; Nakamura, Syuji; Yamaguchi, Terumoto; and Oguri, Tomiji, 4,829,848, Cl. 74-552.000.

Nakamura, Tadaaki: *See—*

Yamamoto, Yuuichi; Nakamura, Tadaaki; Murai, Takashi; and Hijikata, Akemi, 4,838,033, Cl. 62-45.100.

Nakamura, Tadahiko: *See—*

Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmuro, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.

Nakamura, Tadashi; Kitabatake, Yaosuo; Takahashi, Yoshiaki; and Maeda, Kazuya, to Sharp Kabushiki Kaisha. Toner for use in electrophotography. 4,859,560, 8-22-89, Cl. 430-137.000.

Nakamura, Tadashi. Soft-metal made can body with squashing guides. 4,872,576, 10-10-89, Cl. 220-83.000.

Nakamura, Tadashi; Fujita, Satoshi; and Ishida, Eiichi, to Kubota, Ltd. Engine cooling structure for agricultural tractor. 4,886,135, 12-12-89, Cl. 180-68.100.

Nakamura, Tadashi: *See—*

Iida, Hajime; and Nakamura, Tadashi, 4,889,967, Cl. 219-87.000.

Iwakawa, Tsunekiyo; Hada, Hiroshi; and Nakamura, Tadashi, 4,859,910, Cl. 315-169.100.

Konai, Yutaka; Nakamura, Tadashi; Tanonaka, Takayuki; Yoshida, Kazuo; and Machida, Yoshihisa, 4,804,788, Cl. 568-730.000.

Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,795,493, Cl. 106-311.000.

Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,822,767, Cl. 503-213.000.

Nakamura, Tadasi: *See—*

Osugi, Minoru; Nakamura, Tadasi; and Obata, Yoriko, 4,806,516, Cl. 502-202.000.

Nakamura, Taizo: *See—*

Katsuie, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, 4,856,965, Cl. 417-19.000.

Nakamura, Takaharu: *See—*

Oishi, Yasuyuki; Takano, Takeshi; Nakamura, Takaharu; Takeda, Yukio; and Watanabe, Yasunobu, 4,870,659, Cl. 375-82.000.

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Nakamura, Takahiro: *See—*

Takizawa, Yoshinori; and Nakamura, Takahiro, 4,807,981, Cl. 350-404.000.

Nakamura, Takao: *See—*

Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, 4,886,667, Cl. 424-195.100.

Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.

Nakamura, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Room air conditioner. 4,799,363, 1-24-89, Cl. 62-160.000.

Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, to Ajinomoto Co., Inc. Method and apparatus for measuring the turbidity of liquid media. 4,801,204, 1-31-89, Cl. 356-338.000.

Nakamura, Takashi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Radiation image recording and reproducing method. 4,801,806, 1-31-89, Cl. 250-484.100.

Nakamura, Takashi, to Fuji Photo Film Co., Ltd. Phosphor, radiation image recording and reproducing method and radiation image storage panel. 4,835,398, 5-30-89, Cl. 250-484.100.

Nakamura, Takashi; and Iijima, Hitoshi, to Mitsubishi Denki Kabushiki Kaisha. Air conditioner. 4,862,705, 9-5-89, Cl. 62-324.100.

Nakamura, Takashi: *See—*

Hirahara, Takuji; Nakamura, Takashi; Aoyama, Yoshiko; and Maeda, Shuichi, 4,814,366, Cl. 524-89.000.

Orii, Akira; and Nakamura, Takashi, 4,887,307, Cl. 388-810.000.

Takahashi, Kenji; Nakamura, Takashi; and Hosoi, Yuichi, 4,876,161, Cl. 428-691.000.

Nakamura, Takayoshi: *See—*

Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000.

Nakamura, Takayuki, to Clarion Co., Ltd. Antitheft device for an audio device. 4,806,926, 2-21-89, Cl. 340-825.310.

Nakamura, Takeaki: *See—*

Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.

Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.

Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.

Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.

Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.

Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.

Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.

Nakamura, Takeshi, to NEC Corporation. Seabed surveying apparatus for superimposed mapping of topographic and contour-line data. 4,815,045, 3-21-89, Cl. 367-88.000.

Nakamura, Takeshi, to Murata Manufacturing Co., Ltd. A method of manufacturing piezoelectric vibrators. 4,841,609, 6-27-89, Cl. 29-25.350.

Nakamura, Takeshi: *See—*

Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, 4,879,411, Cl. 562-401.000.

Machinami, Tomoya; Nakamura, Takeshi; Nishihata, Ken; Kondo, Shinichi; and Takeuchi, Tomio, 4,889,926, Cl. 536-6.400.

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.

Umezawa, Hamao, deceased; Aoyagi, Takaaki; Tatsuta, Kuniaki; Nakamura, Takeshi, and Fukatsu, Shunzo, 4,870,207, Cl. 562-439.000.

Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, 4,811,891, Cl. 228-182.000.

Nakamura, Taku, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound. 4,797,343, 1-10-89, Cl. 430-138.000.

Nakamura, Taku; Hirano, Tsumoru; and Funatsu, Eiji, to Fuji Photo Film Co., Ltd. Process for preparation of light-sensitive composition polymerizable composition containing a silver halide in-water emulsion. 4,820,610, 4-11-89, Cl. 430-270.000.

Nakamura, Taku, to Fuji Photo Film Co., Ltd. Image-forming method employing light-sensitive material containing silver halide, reducing agent and polymerizable compound. 4,822,717, 4-18-89, Cl. 430-254.000.

Nakamura, Taku, to Fuji Photo Film Co., Ltd. Image-forming method employing light-sensitive material containing silver halide, reducing agent and a mixture of polymerizable compounds. 4,824,756, 4-25-89, Cl. 430-138.000.

Nakamura, Taku, to Fuji Photo Film Co., Ltd. Image-receiving material and image-forming method employing the same. 4,885,227, 12-5-89, Cl. 430-254.000.

Nakamura, Takuma; and Saka, Yasuhiko, to Ricoh Company, Ltd. Color recorder overhead projector with color recorder. 4,851,924, 7-25-89, Cl. 358-296.000.

Nakamura, Takuya; Aoshima, Shinichiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Electro-optical voltage detector. 4,855,591, 8-8-89, Cl. 250-225.000.

Nakamura, Takuya: *See—*

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Nakamura, Takuya, 4,864,220, Cl. 324-96.000.

Aoshima, Shinichiro; Nakamura, Takuya; and Tsuchiya, Yutaka, 4,866,721, Cl. 372-30.000.

Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ozeki, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, to Oki Electric Industry Co., Ltd. Dynamic buffer supervising system for a data link access protocol control. 4,845,710, 7-4-89, Cl. 370-110.100.

Nakamura, Tatsushi: *See—*

Ohta, Takeo; Nakamura, Tatsushi; and Tanigawa, Shizuhiko, 4,852,076, Cl. 369-275.000.

Nakamura, Teruo: *See—*

Shibuya, Tsuneori; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, 4,810,177, Cl. 418-76.000.

Nakamura, Teruya: *See—*

Umezawa, Hamao; Suzuki, Shintaro; Ohkuma, Taka'aki; Sato, Fumihiro; and Nakamura, Teruya, 4,876,244, Cl. 514-19.000.

Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.

Nakamura, TetsuHisa: *See—*

Rha, ChoKyun; Pradipasena, Pasawadee; Nakamura, TetsuHisa; Easson Jr., Donald D.; and Sinskey, Anthony J., 4,851,393, Cl. 514-54.000.

Nakamura, Tetsuo: *See—*

Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.

Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Fuel injection timing control apparatus for a diesel engine, including a determination of when actual ignition can be detected. 4,825,373, 4-25-89, Cl. 364-431.050.

Nakamura, Thutomu: *See—*

Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, 4,837,493, Cl. 318-685.000.

Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, to Hitachi, Ltd. Semiconductor device. 4,812,894, 3-14-89, Cl. 357-55.000.

Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased (by Sugaki, Rieko, administrator), to Hitachi, Ltd. Semiconductor device. 4,860,086, 8-22-89, Cl. 357-67.000.

Nakamura, Tohru: *See—*

Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.

Nakazato, Kazuo; Nakamura, Tohru; Miyazaki, Takao; Natsuaki, Nobuyoshi; Ogirima, Masahiko; and Nagata, Minoru, 4,819,055, Cl. 357-59.000.

Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.

Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, 4,829,361, Cl. 357-50.000.

Washio, Katsuyoshi; Nakamura, Tohru; Nakazato, Kazuo; Horiuchi, Masatada; and Hayashida, Tetsuya, 4,887,145, Cl. 357-59.000.

Nakamura, Tomio; Kikuchi, Katsuaki; and Inagaki, Takeshi, to Nitto Chemical Industry Co., Ltd. Process for producing 7,7,8,8-tetracyanoquinodimethane. 4,797,184, 1-10-89, Cl. 204-59.00R.

Nakamura, Tomoji; Sawada, Ryoji; and Nakamura, Kazuhiro, to Sanshin Kogyo Kabushiki Kaisha; and Yamaha Hatsudoki Kabushiki Kaisha. Running speed detecting device for marine vessels. 4,821,567, 4-18-89, Cl. 73-182.000.

Nakamura, Toru: *See—*

Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.

Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.

Nakamura, Toshihiko: *See—*

Ishizuka, Akira; and Nakamura, Toshihiko, 4,884,233, Cl. 364-786.000.

Nakamura, Toshihiro: *See—*

Yamamoto, Kiyoshi; Nakamura, Toshihiro; Ito, Tadao; and Inui, Keiichiro, 4,797,230, Cl. 252-364.000.

Nakamura, Toshikazu: *See—*

Shikama, Takashi; Nakamura, Toshikazu; and Torii, Kiyofumi, 4,831,241, Cl. 219-544.000.

Nakamura, Toshiko; and Tahara, Tomio, to Kamaya Kagaku Kogyo Co., Ltd. Portable holder for stick-type cosmetic case. 4,858,765, 8-22-89, Cl. 206-581.000.

Nakamura, Toshinobu, to Shinagawa Shoko Co., Ltd. Banding clip. 4,882,813, 11-28-89, Cl. 24-16.0PB.

Nakamura, Toshiyuki; Inaba, Tsutomu; Suzuki, Yasuyuki; and Kobayashi, Norihide, to Mitsubishi Denki Kabushiki Kaisha. Scroll-type fluid transferring machine with gap adjustment between scroll members. 4,824,343, 4-25-89, Cl. 418-55.000.

Nakamura, Toshiyuki: *See—*

Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.

Suzuki, Yasuyuki; Matsugi, Tetsuzo; Nakamura, Toshiyuki; and Sugihara, Masahiro, 4,846,633, Cl. 417-310.000.

Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.

Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, to Nippon Kayaku Kabushiki Kaisha. Method of quantitative assay for 1,5-anhydroglucitol. 4,810,640, 3-7-89, Cl. 435-25.000.

Nakamura, Tsunoru: *See—*

Itou, Susumu; Shinozawa, Yusaku; and Nakamura, Tsunoru, 4,848,125, Cl. 72-105.000.

Shinozawa, Yusaku; Takahashi, Minoru; and Nakamura, Tsunoru, 4,825,675, Cl. 72-105.000.

Nakamura, Tsutomu, to Olympus Optical Co., Ltd. Solid state imaging apparatus. 4,819,071, 4-4-89, Cl. 358-213.160.

Nakamura, Tsutomu: *See—*

Itoh, Kunio; Fukushima, Motoo; and Nakamura, Tsutomu, 4,876,344, Cl. 544-219.000.

Matsumoto, Kazuya; and Nakamura, Tsutomu, 4,857,981, Cl. 357-30.000.

Matsumoto, Kazuya; and Nakamura, Tsutomu, 4,878,120, Cl. 358-213.120.

Sawaki, Toru; Sasaki, Hideharu; Nakamura, Tsutomu; and Sadanobu, Jiro, 4,840,762, Cl. 264-29.200.

Yasuda, Shigeru; Yasukawa, Kenichiro; Nakamura, Tsutomu; and Asami, Kenitiro, 4,878,129, Cl. 358-342.000.

Nakamura, Usao: *See—*

Maeda, Sadayuki; Nakamura, Usao; and Sakanaka, Makoto, 4,868,312, Cl. 548-535.000.

Nakamura, Yasuaki: *See—*

Abe, Shigeru; Nakamura, Yasuaki; and Kamei, Katsuyuki, 4,852,183, Cl. 382-34.000.

Nakamura, Yasuharu: *See—*

Kitazume, Kiyoshi; Nakamura, Yasuharu; Ochiai, Hiromichi; and Nozaki, Hisashi, 4,885,185, Cl. 426-598.000.

Nakamura, Yasuhide; and Yamamura, Sigeyuki, to Sharp Kabushiki Kaisha. Department level setting in an electronic cash register. 4,887,210, 12-12-89, Cl. 364-405.000.

Nakamura, Yasuhide: *See—*

Yamamura, Sigeyuki; and Nakamura, Yasuhide, 4,853,853, Cl. 364-405.000.

Nakamura, Yasuhiro, to Koito Seisakusho Co. Ltd. Headlight device. 4,843,523, 6-27-89, Cl. 362-69.000.

Nakamura, Yasuhiro; and Kawabuchi, Masami, to Matsushita Electric Industrial Co., Ltd. Ultrasonic doppler blood flowmeter. 4,848,355, 7-18-89, Cl. 128-661.070.

Nakamura, Yasuhiro; and Kawabuchi, Masami, to Matsushita Electric Industrial Co., Ltd. Ultrasonic doppler blood flowmeter. 4,848,356, 7-18-89, Cl. 128-661.070.

Nakamura, Yasukazu: *See—*

Sato, Takanori; Watanabe, Yasushi; Nakamura, Yasukazu; and Saito, Yutaka, 4,864,797, Cl. 52-725.000.

Nakamura, Yasunari: *See—*

Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, 4,840,247, Cl. 180-249.000.

Nakamura, Yasuo, to Canon Kabushiki Kaisha. Address setting and data transmission system. 4,825,204, 4-25-89, Cl. 340-825.520.

Nakamura, Yasuo: *See—*

Hanada, Yoshihiro; Nakamura, Yasuo; and Fukui, Kazuyuki, 4,867,436, Cl. 271-221.000.

Nakamura, Yasuyuki; Hashimoto, Adio; Fujita, Toshiaki; and Kawakami, Makoto to Sumitomo Special Metals Co., Ltd. Clad sheets. 4,826,736, 5-2-89, Cl. 428-613.000.

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Tojo, Kenji; Kawashima, Kenichi; Suefuji, Kazutaka; and Nakamura, Yozo, 4,861,245, Cl. 418-55.000.

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Nakamura, Yukihiro: *See—*

Yamada, Katsuhiko; Ojima, Kunio; Asakura, Takashi; Yamamori, Yusuke; and Nakamura, Yukihiro, 4,871,146, Cl. 266-106.000.

Nakamura, Yukinobu: *See—*

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Nakane, Hideaki: *See—*

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Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, 4,875,010, Cl. 324-248.000.

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Kobayashi, Masakazu; Asaumi, Shingo; Yokota, Akira; and Nakane, Hisashi, 4,844,832, Cl. 252-143.000.

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Nakane, Ikuro: *See—*

Furukawa, Nobuhiro; Saito, Toshihiko; Nakane, Ikuro; and Watanabe, Hiroshi, 4,820,599, Cl. 429-194.000.

Nakane, Kazunori: *See—*

Inoue, Masatsugu; Tokita, Kiyoshi; Sone, Toshinao; Fujiwara, Takeshi; and Nakane, Kazunori, 4,881,004, Cl. 313-408.000.

Inoue, Masatsugu; Tokita, Kiyoshi; and Nakane, Kazunori, 4,886,997, Cl. 313-406.000.

Nakane, Kazuo: *See—*

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Nakane, Masakazu: *See—*

Murachi, Tatsuya; and Nakane, Masakazu, 4,849,468, Cl. 524-523.000.

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Hasegawa, Yo; Okano, Kazuyuki; Nakanishi, Akira; and Hatase, Hiroshi, 4,885,188, Cl. 427-126.100.

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Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.

Takematsu, Tetsuo; Nonaka, Yuji; Nakanishi, Akira; and Morinaka, Hideo, 4,826,859, Cl. 514-349.000.

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Kawata, Shosaku, 4,797,098, Cl. 433-98.000.

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Oishi, Takeshi; Nakanishi, Fumio; and Yamamoto, Toshihiko, 4,808,189, Cl. 8-408.000.

Nakanishi, Hachiro: *See—*

Matsuda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and Nakayama, Kazuo, 4,814,404, Cl. 526-285.000.

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Nakanishi, Hidemi: *See—*

Koga, Shinichiro; Miyamoto, Masaaki; and Nakanishi, Hidemi, 4,810,753, Cl. 525-183.000.

Nakanishi, Hikaru; Kamiya, Masahiro; Kuwana, Katsuyuki; and Ishizuka, Hiroaki, to Senko Medical Instrument Mfg. Co., Ltd. Blood oxygenator. 4,808,378, 2-28-89, Cl. 422-48.000.

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Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000.

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.

Nakanishi, Hiroshi: *See—*

Nagawa, Yoshinobu; Honda, Koichi; and Nakanishi, Hiroshi, 4,889,937, Cl. 548-420.000.

Nakanishi, Hisao: *See—*

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Nakanishi, Kazumi: *See—*

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.

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Yamamoto, Yoshio; Kikuchi, Syuichi; Nakanishi, Kazuo; and Kawasaki, Yoshihiko, 4,843,811, Cl. 57-281.000.

Nakanishi, Keiichirou; and Yamada, Minoru, to Hitachi, Ltd. Integrated circuit chips cooling module having coolant leakage prevention device. 4,870,477, 9-26-89, Cl. 357-82.000.

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Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

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Katayama, Sakae; Asano, Tadahiko; Okuma, Masatsune; and Nakanishi, Keisyo, 4,814,406, Cl. 526-318.400.

Nakanishi, Kenji: *See—*

Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.

Urashima, Kazuhiro; Watanabe, Masakazu; Tajima, Yo; and Nakanishi, Kenji, 4,880,756, Cl. 501-97.000.

Nakanishi, Kiyoshi: *See—*

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Nakanishi, Koji; Yoshino, Mituo; and Saito, Yoshitane, to Kuroda Seiko Co. Ltd.; and Nakamura Kiki Engineering Co. Control apparatus for manifold type electromagnetic valve device. 4,854,346, 8-8-89, Cl. 137-624.110.

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Wakahayashi, Takao, 4,885,997, Cl. 104-172.300.

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Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.

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Kato, Yoshinori; Nakanishi, Mitsuaki; Fujita, Yasushi; and Takagi, Nobuo, 4,858,279, Cl. 24-20.00R.

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Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,800,409, Cl. 354-402.000.

Nakanishi, Motoyasu. Inertia damper. 4,825,983, 5-2-89, Cl. 188-378.000.

Nakanishi, Motoyasu, to Kabushiki Kaisha Cubic Engineering. Shock absorbing type footwear. 4,843,735, 7-4-89, Cl. 36-28.000.

Nakanishi, Motoyasu, to Kabushiki Kaisha Cubic Engineering. Deformable type variable resistor element. 4,845,457, 7-4-89, Cl. 338-114.000.

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Nakanishi, Nobuyasu; Noguchi, Noboru; Aizawa, Hideyuki; and Ito, Kenzi, to Toyota Jidosha Kabushiki Kaisha. Device for detecting rotating speed of vehicle wheel. 4,797,612, 1-10-89, Cl. 324-173.000.

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Adachi, Yoshiharu, Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.

Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.

Goshima, Takahiro; Hattori, Yoshiyuki: Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.

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Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, 4,840,544, Cl. 417-254.000.

Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.

Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-11[illegible].000.

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Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, to Kyowa Hakko Kogyo Co., Ltd. Novel substances KS-501 and KS-502 and process for their preparation. 4,868,159, 9-19-89, Cl. 514-25.000.

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Uo, Junko; Nishimura, Masaji; Horiguchi, Kazuo; Nakanishi, Setsuko; and Kaku, Shigeru, 4,803,154, Cl. 435-7.000.

Nakanishi, Shigenori: *See—*

Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-3.000.

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Enomoto, Koichi; and Nakanishi, Tatsuo, 4,803,023, Cl. 264-45.400.

Nagamoto, Itsushi; Nakanishi, Tatsuo; and Tajima, Ryohei, 4,824,116, Cl. 273-171.000.

Nagamoto, Itsushi; Nakanishi, Tatsuo; and Yamashita, Tomoharu, 4,883,623, Cl. 264-108.000.

Yamazaki, Toshinori; Sakai, Eiichi; Nakanishi, Tatsuo; and Nomori, Hiroyuki, 4,859,554, Cl. 430-58.000.

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Nakanishi, Tsutomu; Kitajima, Akira; Fuwa, Yoshiaki; and Adachi, Yasaburo, to Hockiki Corp. Exit guiding system. 4,796,018, 1-3-89, Cl. 340-691.000.

Nakanishi, Tsutomu, to C.S.U. Ltd. Rotary structure. 4,883,370, 11-28-89, Cl. 384-490.000.

Nakanishi, Tsuyoshi: *See—*

Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, 4,816,132, Cl. 204-408.000.

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Nakanishi, Yoshimi: *See—*

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Murakami, Tadashi; Nakaniwa, Mikio; and Nakayama, Yoshio, 4,814,063, Cl. 208-50.000.

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Nakano, Fumihiko: *See—*

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Hamada, Hozumi; and Nakano, Hiraku, 4,881,193, Cl. 364-761.000.

Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, to Kyowa Hakko Kogyo Co., Ltd. Antibiotic compounds DC-92B and DC-92D. 4,847,387, 7-11-89, Cl. 549-384.000.

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Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

Nakano, Hiromi: *See—*

Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shizuka, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, 4,795,795, Cl. 528-53.000.

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Aramaki, Minoru; Kubo, Masahiro; Nakano, Hisaji; and Kurashige, Hiroyuki, 4,863,762, Cl. 427-255.600.

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Nakano, Iwao: *See—*

Ishii, Shin-ichi; Kai, Gentaroh; Hara, Toshiaki; and Nakano, Iwao, 4,805,160, Cl. 367-134.000.

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Nakano, Jun: *See—*

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Nakano, Katsuji: *See—*

Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki, Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.

Nakano, Kazumi: *See—*

Umeda, Tetsuo; Nakano, Kazumi; and Kasuya, Shigenobu, 4,831,658, Cl. 382-52.000.

Nakano, Kazunori: *See—*

Kurumatani, Harumichi; Nakao, Takashi; Nakano, Kazunori; and Kojima, Akira, 4,869,928, Cl. 427-206.000.

Nakano, Kazuo: *See—*

Hase, Kazuo; and Nakano, Kazuo, 4,805,212, Cl. 379-359.000.

Nakano, Kazuyuki: *See—*

Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.

Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, to Nippon Telegraph & Telephone Public Corporation; Nippon Electric Co., Ltd.; and Japan Aviation Electronics Industry Limited. Electrical connectors for leadless circuit boards. 4,857,001, 8-15-89, Cl. 439-68.000.

Nakano, Kenji, to Sony Corporation. Data signal reproducing apparatus. 4,841,385, 6-20-89, Cl. 360-65.000.

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Moriwaki, Hisayoshi; and Nakano, Kenji, 4,816,926, Cl. 360-8.000.

Nakano, Kinichiro: *See—*

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Nakano, Kiyotaka: *See—*

Hayafuchi, Hideki; Moronaga, Yoshiharu; and Nakano, Kiyotaka, 4,858,339, Cl. 35-45.000.

Nakano, Kohji: *See—*

Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.

Nakano, Kuniaki: *See—*

Tsuchino, Hisanori; Kano, Akiko; Nakano, Kuniaki; and Shimada, Fumio, 4,825,085, Cl. 250-484.100.

Nakano, Kyuzo, to Nigata Engineering Co., Ltd. Tool slide device in machine tool. 4,800,789, 1-31-89, Cl. 82-2.00E.

Nakano, Mamoru: *See—*

Ikebuchi, Iwao; Nakano, Mamoru; Fuse, Kazuo; and Ganze, Akira, 4,872,973, Cl. 209-144.000.

Nakano, Masaaki; Watanabe, Syoyu; Saito, Yusaku; and Iwata, Syuji, to Mitsubishi Denki Kabushiki Kaisha. Display unit. 4,841,290, 6-20-89, Cl. 340-707.000.

Nakano, Masaaki: *See—*

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Nakano, Masahiro, to Leo Kaken Co., Ltd. Pin for injecting a grout material. 4,826,373, 5-2-89, Cl. 411-82.000.

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Nakano, Masakimi: *See—*

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Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, to Fujitsu Limited; and Fujitsu Vlsi Limited. Transfer gate circuit protected from latch up. 4,806,795, 2-21-89, Cl. 307-452.000.

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Nakano, Masao: *See—*

Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.

Nakano, Masaru: *See—*

Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka; and Nakano, Masaru, 4,831,316, Cl. 318-568.130.

Ishiguro, Yasuo; Itou, Yoshizumi; Shiroshita, Osamu; and Nakano, Masaru, 4,836,742, Cl. 414-742.000.

Nakano, Masato: *See—*

Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.

Nakano, Miegi: *See—*

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Kobayashi, Kazuomi; and Nakano, Minoru, 4,865,103, Cl. 152-536.000.

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Chado, Hiroyuki; Maeda, Tatsuo; and Nakano, Mitsusou, 4,875,733, Cl. 296-195.000.

Nakano, Motokiyo: *See—*

Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.

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Nakano, Motoo: *See—*

Mori, Haruhisa; and Nakano, Motoo, 4,806,769, Cl. 250-443.100.

Nakano, Nobuo: *See—*

Adachi, Takayuki; and Nakano, Nobuo, 4,806,172, Cl. 134-34.000.

Nakano, Osamu: *See—*

Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.

Nakano, Riichi: *See—*

Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.

Nakano, Shinji: *See—*

Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, 4,877,535, Cl. 210-701.000.

Umemoto, Hirotoshi; Tanabe, Hisaki; and Nakano, Shinji, 4,829,132, Cl. 525-443.000.

Nakano, Shintaro, deceased: *See—*

Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased; Saiki, Sumito; and Habara, Hideaki, 4,801,386, Cl. 210-680.000.

Nakano, Shizuyo, heir, Hideki Nakano, Masahiro Nakano, Yoshiyuki Nakano, heirs: *See—*

Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased; Saiki, Sumito; and Habara, Hideaki, 4,801,386, Cl. 210-680.000.

Nakano, Shohkichi: *See—*

Matsushita, Akira; and Nakano, Shohkichi, 4,837,556, Cl. 340-310.00R.

Nakano, Shoichi: *See—*

Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, 4,799,087, Cl. 357-4.000.

Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.

Sakai, Souichi; Nakano, Shoichi; and Kuwano, Yukinori, 4,824,488, Cl. 136-244.000.

Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, 4,841,328, Cl. 355-211.000.

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Nakano, Shoji: *See—*

Yoshioka, Teruo; Nakano, Shoji; and Sato, Yutaka, 4,879,797, Cl. 29-240.000.

Nakano, Shozo; and Hayashi, Hideo, to Fuji Electric Co., Ltd. Multipolar circuit breaker. 4,849,725, 7-18-89, Cl. 335-8.000.

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Nakano, Taichi: *See—*

Nagai, Yoichiro; Nakano, Taichi; and Oomura, Yutaka, 4,843,093, Cl. 514-473.000.

Nakano, Takaharu: *See—*

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Yashuda, Hirofumi; Saho, Takahiro; Ohtake, Nobumasa; and Nakano, Takaharu, 4,822,850, Cl. 528-28.000.

Nakano, Takahiro: *See—*

Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, 4,884,129, Cl. 358-44.000.

Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.

Nakano, Takashi: *See—*

Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.

Nakano, Tasuku: *See—*

Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, 4,890,037, Cl. 315-77.000.

Nakano, Tetsuo: *See—*

Kubota, Taei; and Nakano, Tetsuo, 4,831,593, Cl. 365-203.000.

Nakano, Tomio, to Fujitsu Limited. Complementary semiconductor device reducing latch-up phenomenon. 4,862,415, 8-29-89, Cl. 365-189.090.

- Nakano, Toshihiko; Hayashi, Toshihiro; Nogi, Kenroku; and Mori, Kiyomi, to Hitachi, Ltd. System function simulation method and apparatus therefor using Petri net symbols. 4,866,605, 9-12-89, Cl. 364-200.000.
- Nakano, Toshihiko; Nagase, Fumiaki; Takeuchi, Eiichi; Kamada, Mamoru; and Shigematsu, Hideyo, to Toyo Aluminium Kabushiki Kaisha. Laminates and formings made from the same. 4,868,033, 9-19-89, Cl. 428-201.000.
- Nakano, Toshihiko: *See—*
  - Kamada, Mamoru; Nagase, Fumiaki; Takeuchi, Eiichi; Nakano, Toshihiko; and Makimoto, Shoichi, 4,848,931, Cl. 383-104.000.
- Nakano, Tsuneo; Nakamura, Seika; and Shimohashi, Kiyomi, to Sumitomo Electric Industries, Ltd. Monitoring device for overhead power transmission system. 4,821,138, 4-11-89, Cl. 361-93.000.
- Nakano, Tsunetomo; Hayashi, Toshikazu; and Tsukada, Toshinori, to Ube Industries, Ltd. Photosetting polymer composition. 4,855,215, 8-8-89, Cl. 430-283.000.
- Nakano, Tsuyoshi, to Micro Co., Ltd. Interface converter. 4,852,041, 7-25-89, Cl. 364-900.000.
- Nakano, Tsuyoshi: *See—*
  - Uchiyama, Hiromi; and Nakano, Tsuyoshi, 4,839,964, Cl. 30-43.600.
- Nakano, Yasushi: *See—*
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  - Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, 4,799,267, Cl. 382-1.000.
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  - Maekawa, Kengo; Suzuki, Moitsu; Nakano, Yukiya; and Tani, Hisahiko, 4,852,685, Cl. 181-175.000.
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  - Kano, Mitsuru; and Nakanowatari, Jun, 4,801,756, Cl. 568-642.000.
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  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
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  - Takahashi, Hiroshi; Morozumi, Naohiro; Takanezawa, Shin; and Nakao, Kiyoshi, 4,837,086, Cl. 428-506.000.
- Nakao, Koji: *See—*
  - Mizuma, Takashi; and Nakao, Koji, 4,838,607, Cl. 296-219.000.
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  - Yamamoto, Hajime; Gotou, Tadashi; Yamakawa, Masanori; Nakao, Noboru; and Ikeda, Takashi, 4,824,329, Cl. 417-50.000.
- Nakao, Satoshi: *See—*
  - Ikegami, Seishi; and Nakao, Satoshi, 4,820,840, Cl. 546-15.000.
- Nakao, Shinichi; Yasuda, Shunji; and Ikeda, Shigehito, to Toshiba Ceramics Co., Ltd. Activated sludge treatment apparatus. 4,861,471, 8-29-89, Cl. 210-182.000.
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  - Ushida, Masayasu; Nakao, Sigeru; and Hattori, Kyo, 4,869,216, Cl. 123-146.50A.
- Nakao, Tadashi: *See—*
  - Kawamura, Shoichiro; Nakao, Tadashi; and Nozaka, Kenkichi, 4,825,568, Cl. 37-118.00R.
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  - Kurumatani, Harumichi; Nakao, Takashi; Nakano, Kazunori; and Kojima, Akira, 4,869,928, Cl. 427-206.000.
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  - Miura, Ryuichi; and Nakao, Toshinobu, 4,861,401, Cl. 156-94.000.
- Nakao, Toshiyuki: *See—*
  - Abe, Seiichi; Fujita, Kenji; and Nakao, Toshiyuki, 4,821,946, Cl. 228-180.200.
  - Kimura, Junzo; and Nakao, Toshiyuki, 4,878,400, Cl. 74-715.000.
- Nakao, Tsugio: *See—*
  - Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.
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  - Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, 4,858,899, Cl. 267-219.000.
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- Nakao, Yasuo, to Nippon Air Brake Co., Ltd. Automatic air braking system. 4,854,648, 8-8-89, Cl. 303-69.000.
- Nakaoka, Junichi: *See—*
  - Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.
  - Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, 4,808,455, Cl. 428-64.000.
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- Nakaoka, Yuji, to NEC Corporation. Prohibition circuit upon power-on event. 4,886,984, 12-12-89, Cl. 307-272.300.
- Nakaoki, Ariyoshi: *See—*
  - Aratani, Katsuhisa; Nakaoki, Ariyoshi; and Tanaka, Tomiji, 4,878,132, Cl. 360-59.000.
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  - Adachi, Shigemi; Nakaosa, Yoshitake; and Fujioka, Yoshiki, 4,812,975, Cl. 364-300.000.
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  - Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
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- Nakasaki, Eiji; Tajima, Katsunori; Igarashi, Yasuo; and Sakakibara, Hiroto, to Sumitomo Rubber Industries, Ltd. Snowmobile. 4,869,336, 9-26-89, Cl. 180-196.000.
- Nakasako, Kazuo: *See—*
  - Yasuda, Keiji; Nakasako, Kazuo; and Miyahara, Kazuhiro, 4,856,987, Cl. 432-128.000.
- Nakase, Hiromi; Kubo, Kanji; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, to Matsushita Electric Industrial Co., Ltd. Tracking error signal forming circuit. 4,868,692, 9-19-89, Cl. 360-77.160.
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  - Inaba, Hiroshi; Nakase, Kiyoshi; and Yanagida, Yukitoshi, 4,818,352, Cl. 204-59.00R.
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- Nakase, Koji: *See—*
  - Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, 4,859,840, Cl. 235-463.000.
- Nakase, Kouji; and Hasegawa, Kazuo, to Alps Electric Co., Ltd. Signal amplifier circuit. 4,870,367, 9-26-89, Cl. 328-168.000.
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  - Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
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  - Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.
- Nakashima, Hiroshi. Dual reel string winding and unwinding apparatus for use with stunt kites. 4,821,976, 4-18-89, Cl. 242-96.000.
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- Nakashima, Hiroshi: *See—*
  - Mihara, Yoshikazu; and Nakashima, Hiroshi, 4,862,294, Cl. 360-35.100.
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- Nakashima, Kazuo: *See—*
  - Hatae, Shinkichi; and Nakashima, Kazuo, 4,847,074, Cl. 424-62.000.
- Nakashima, Keishi; and Ishibashi, Nachiro, to Alps Electric Co., Ltd. Thin film magnetic head for use in vertical magnetic recording. 4,807,076, 2-21-89, Cl. 360-126.000.
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- Nakashima, Kouji: *See—*
  - Tanaka, Haruhiko; Kagawa, Fukashi; and Nakashima, Kouji, 4,868,044, Cl. 428-304.400.
- Nakashima, Kunihiko; Sugiura, Hiroshi; Murachi, Tatsuya; and Nakane, Masakazu, to Toyoda Gosei Co., Ltd. Laminates. 4,804,584, 2-14-89, Cl. 428-424.200.
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  - Ohta, Takeshi; Kamiya, Yoji; Nakashima, Kunimichi; and Taniguchi, Mitsuyoshi, 4,797,052, Cl. 414-744.300.
- Nakashima, Masami: *See—*
  - Nishikawa, Hiroshi; Matsuda, Koichi; and Nakashima, Masami, 4,795,723, Cl. 501-98.000.
- Nakashima, Masato: *See—*
  - Koezuka, Tetsuo; Tsukahara, Hiroyuki; and Nakashima, Masato, 4,805,224, Cl. 382-8.000.
- Nakashima, Naoki: *See—*
  - Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.
- Nakashima, Naoto: *See—*
  - Oshida, Yoshitada; Nakashima, Naoto; and Yoshitake, Yasuhiro, 4,862,008, Cl. 250-548.000.
  - Yoshitake, Yasuhiro; Oshida, Yoshitada; Shiba, Masataka; and Nakashima, Naoto, 4,819,033, Cl. 355-53.000.
- Nakashima, Nobuaki: *See—*
  - Shimo, Nobuo; Yoshihara, Keitaro; and Nakashima, Nobuaki, 4,844,736, Cl. 75-0.50B.
- Nakashima, Noriyuki: *See—*
  - Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.
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- Nakashima, Shouzaburo: *See—*
  - Nakayama, Hisanobu; Nakashima, Shouzaburo; Shimoyama, Yoshiaki; and Mori, Yasukazu, 4,797,167, Cl. 148-111.000.
- Nakashima, Shozaburo: *See—*
  - Harase, Jiro; Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,806,176, Cl. 148-111.000.
  - Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,863,532, Cl. 148-307.000.
- Nakashima, Sukeyoshi: *See—*
  - Yamade, Kenichi; Nakashima, Sukeyoshi; Inaba, Shigemitsu; and Ohtaka, Kazuto, 4,878,853, Cl. 439-144.000.
- Nakashima, Sumio; Sogabe, Hideki; Yoshida, Hiroshi; and Okubo, Atsushi, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for production of unsaturated carboxylic acid esters. 4,833,267, 5-23-89, Cl. 60-205.000.
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- Nakashima, Toru: *See—*
  - Umemura, Koji; Nakashima, Toru; Ina, Yoshifumi; and Miyamoto, Masashi, 4,844,621, Cl. 415-119.000.
- Nakashima, Toshiaki: *See—*
  - Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.
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  - Tanihara, Masao; Oka, Kiichiro; Yamada, Hideaki; Kobayashi, Akira; Nakashima, Toshihide; Omura, Yoshiaki; and Takakura, Koichi, 4,889,917, Cl. 530-324.000.
- Nakashima, Tsuneyasu: *See—*
  - Takahashi, Katsuhiko; Nakashima, Tsuneyasu; Nakatsuji, Hiroshi; and Okuda, Hiroshi, 4,859,741, Cl. 525-123.000.
- Nakashima, Yasuhiro: *See—*
  - Kanazawa, Hirotaka; Note, Koushun; Nakashima, Yasuhiro; Mukai, Yoshiaki; Sakamoto, Shunji; and Okamizu, Shigeo, 4,854,410, Cl. 180-140.000.
  - Kanazawa, Hirotaka; Note, Koushun; and Nakashima, Yasuhiro, 4,881,613, Cl. 180-140.000.
  - Mukai, Yoshiaki; Kanazawa, Hirotaka; Note, Koushun; and Nakashima, Yasuhiro, 4,834,406, Cl. 280-91.000.
- Nakashima, Yasuo: *See—*
  - Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, 4,887,436, Cl. 62-155.000.
- Nakashima, Yoshihiro: *See—*
  - Kikuno, Mitsutoyo; Hirono, Tatsuo; Nakashima, Yoshihiro; and Yoshino, Hirobumi, 4,799,081, Cl. 355-14.00C.
- Nakashima, Yoshimoto: *See—*
  - Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, 4,803,266, Cl. 540-200.000.
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- Nakashima, Yukio: *See—*
  - Watanabe, Kaneo; Matsuoka, Tsugufumi; Nakashima, Yukio; and Haku, Hisao, 4,843,451, Cl. 357-63.000.
- Nakashio, Miaki: *See—*
  - Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, 4,876,703, Cl. 377-62.000.
- Nakashiro, Takeshi: *See—*
  - Matsumoto, Osamu; Abe, Isao; and Nakashiro, Takeshi, 4,859,882, Cl. 307-530.000.
- Nakashita, Shigeto: *See—*
  - Masai, Tadahisa; Morita, Shigeki; and Nakashita, Shigeto, 4,807,541, Cl. 110-262.000.
  - Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masai, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, 4,881,474, Cl. 110-263.000.
- Nakaso, Noriyuki: *See—*
  - Itoh, Toshinobu; Nakaso, Noriyuki; Takino, Takashi; and Mishima, Mutsukata, 4,819,588, Cl. 123-52.00M.

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  Udagawa, Tsunekazu; Hiramatsu, Yasuji; Nakasone, Hidetaka; and Yamada, Yoshio, 4,869,516, Cl. 277-234.000.
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  Shimizu, Koji; Hamada, Mitsuo; and Nakasuji, Katsuyoshi, 4,849,564, Cl. 524-114.000.
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  Kito, Tsutomu; Nakasuji, Norikazu; Kataoka, Takashi; Inagaki, Hiroshi; and Shibahashi, Yutaka, 4,865,648, Cl. 106-21.000.
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Nakata, Akira: *See—*
  Homma, Yoshihiro; Nakata, Akira; Matsumoto, Shiroh; Yoshimura, Kunitoshi; and Minato, Masahiko, 4,852,793, Cl. 229-5.500.
Nakata, Akiro: *See—*
  Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-205.000.
Nakata, Jitsuo: *See—*
  Shino, Masami; Takano, Hideaki; Nakata, Jitsuo; and Noro, Katsuhiko, 4,874,592, Cl. 423-262.000.
Nakata, Junichi, to Pioneer Electronic Corporation. Optical disc player for optically reproducing recorded information on an optical information disc into an RF signal. 4,845,701, 7-4-89, Cl. 369-120.000.
Nakata, Keiko: *See—*
  Okuda, Kiyoshi; Okada, Kiyonori; Ohtomo, Kazumi; and Nakata, Keiko, 4,846,801, Cl. 604-218.000.
Nakata, Kenji; Tomonari, Kyo; and Yamanaka, Takeo, to Shin Meiwa Industry Co., Ltd. Harness producing apparatus and method. 4,862,587, 9-5-89, Cl. 29-867.000.
Nakata, Kouhei: *See—*
  Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Osabe, Kuniji, 4,798,694, Cl. 264-60.000.
Nakata, Kunio: *See—*
  Ueda, Shuji; Nakata, Kunio; Inoue, Mamoru, and Fujino, Kazuhiko, 4,829,716, Cl. 51-134.000.
Nakata, Masami; and Imai, Osamu, to NGK Insulators, Ltd. Voltage non-linear resistor. 4,855,708, 8-8-89, Cl. 338-20.000.
Nakata, Masaru; and Kitao, Yuichi, to Kubota, Ltd. Steering apparatus for a front wheel drive tractor. 4,798,260, 1-17-89, Cl. 180-253.000.
Nakata, Mitsuhiko: *See—*
  Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.
Nakata, Muneo: *See—*
  Matsuo, Kenichi; Nakata, Muneo; and Ohara, Toru, 4,857,875, Cl. 335-297.000.
  Nagao, Hirohumi; Matsuo, Kenichi; and Nakata, Muneo, 4,816,794, Cl. 335-136.000.
Nakata, Nobuhiro: *See—*
  Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,811,496, Cl. 34-144.000.
  Honda, Noriyuki; Abe, Yukio; Isobe, Makoto; and Nakata, Nobuhiro, 4,827,630, Cl. 34-146.000.
Nakata, Nori N. Fishing gear. 4,829,697, 5-16-89, Cl. 43-17.000.
Nakata, Okitsugu: *See—*
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
  Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.
Nakata, Satoru: *See—*
  Sugiyama, Yasunori; and Nakata, Satoru, 4,854,055, Cl. 36-127.000.
Nakata, Syozo; and Imai, Satoshi, to Mitsubishi Denki Kabushiki Kaisha. Welder head. 4,803,329, 2-7-89, Cl. 219-86.250.
Nakata, Takashi: *See—*
  Hayashi, Shigeyuki; and Nakata, Takashi, 4,864,362, Cl. 355-72.000.
Nakata, Takeshi: *See—*
  Hayashi, Takahiro; and Nakata, Takeshi, 4,867,193, Cl. 137-93.000.
Nakata, Terumi: *See—*
  Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, 4,814,227, Cl. 428-353.000.
Nakata, Tetsuro; Sato, Ichitaro; and Eto, Tooru, to Sony Corporation. Apparatus for eliminating a noise signal. 4,885,639, 12-5-89, Cl. 358-167.000.
Nakata, Tetsuro: *See—*
  Sakura, Yasuo; Hara, Masao; Nakata, Tetsuro; and Fujii, Noboru, 4,796,096, Cl. 358-310.000.
Nakata, Tetsuya: *See—*
  Toda, Fumio; Tanaka, Koichi; and Nakata, Tetsuya, 4,841,081, Cl. 549-541.000.
Nakata, Tomio: *See—*
  Sugiura, Tsuneo; and Nakata, Tomio, 4,820,951, Cl. 310-257.000.
Nakata, Toshihiko; Oshida, Yoshitada; and Shiba, Masataka, to Hitachi, Ltd. Reduction projection type aligner. 4,795,261, 1-3-89, Cl. 356-401.000.
Nakata, Yasuo: *See—*
  Kurata, Yukio; Sato, Hideaki; Nakata, Yasuo; Ogata, Nobuo; and Inoue, Teruaki, 4,849,825, Cl. 358-296.000.
  Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.
Nakata, Yoshihiro; and Kunishige, Tadao, to Sunstar Giken Kabushiki Kaisha. Epoxy resin composition. 4,804,710, 2-14-89, Cl. 525-111.000.
Nakata, Yoshinori; Suzuki, Masaaki; and Okutani, Takeshi, to Director-General of Agency of Industrial Science and Technology. Process for the production of silicon tetrachloride. 4,847,059, 7-11-89, Cl. 423-341.000.
Nakata, Yukio: *See—*
  Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Nakata, Yutaka, to Ichikoh Industries Limited. Automotive headlight of projector type. 4,814,950, 3-21-89, Cl. 362-61.000.
Nakata, Yutaka, to Ichikoh Industries Limited. Projector type headlamp for vehicles. 4,825,343, 4-25-89, Cl. 362-61.000.
Nakata, Yutaka, to Ichikoh Industries, Ltd. Projector-type head lamp assembly for vehicles. 4,878,161, 10-31-89, Cl. 362-305.000.
Nakata, Yutaka: *See—*
  Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.
Nakata, Yuuko: *See—*
  Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-3.000.
Nakatani, Eisaku: *See—*
  Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.
Nakatani, Fumio: *See—*
  Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, 4,801,489, Cl. 428-209.000.
Nakatani, Hayami: *See—*
  Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, 4,873,156, Cl. 429-31.000.
Nakatani, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Curved escalator. 4,809,840, 3-7-89, Cl. 198-328.000.
Nakatani, Hiroshi; Kawaguchi, Hisao; and Nakabu, Shigeo, to Sharp Kabushiki Kaisha. Flat display panel with framing for flexible substrate folding. 4,862,153, 8-29-89, Cl. 340-719.000.
Nakatani, Hiroshi: *See—*
  Yoshida, Hirokazu; Nakatani, Hiroshi; and Yamamura, Keiji, 4,806,503, Cl. 437-206.000.
Nakatani, Ikuyoshi: *See—*
  Nakagawa, Keiji; Nakatani, Ikuyoshi; Sakai, Takamasa; and Muraoka, Yusuke, 4,803,948, Cl. 118-725.000.
Nakatani, Kazuo: *See—*
  Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, 4,840,042, Cl. 62-324.100.
Nakatani, Keiji; and Shibazaki, Kenji, to Minolta Camera Kabushiki Kaisha. Image editing system. 4,806,978, 2-21-89, Cl. 355-14.00R.
Nakatani, Keiji: *See—*
  Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, 4,806,976, Cl. 355-7.000.
  Naito, Yoshikazu; Nakatani, Keiji; and Wada, Kanji, 4,821,107, Cl. 358-256.000.
  Ogino, Shigeo; Nakatani, Keiji; and Murata, Tomoji, 4,864,364, Cl. 355-202.000.
  Tanaka, Susumu; Shibazaki, Kenji; and Nakatani, Keiji, 4,816,864, Cl. 355-14.00R.
Nakatani, Kensuke: *See—*
  Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, 4,887,349, Cl. 29-623.500.
Nakatani Kikai Kabushiki Kaisha: *See—*
  Wada, Masayoshi, 4,867,665, Cl. 425-145.000.
Nakatani, Mamoru: *See—*
  Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, 4,879,197, Cl. 430-119.000.
Nakatani, Masaki, to Tosoh Corporation. Method for removing organic materials dissolved in purified phosphoric acid. 4,820,501, 4-11-89, Cl. 423-321.00R.

Nakatani, Mitsuhisa; and Nishio, Ken-ichi, to Sumitomo Chemical Company, Limited. Fiber-reinforced metallic composite material. 4,839,238, 6-13-89, Cl. 428-614.000.
Nakatani, Mitsuo: *See—*
  Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
Nakatani, Munehiro, to Minolta Camera Kabushiki Kaisha. Copier. 4,807,046, 2-21-89, Cl. 358-287.000.
Nakatani, Munehiro, to Minolta Camera Kabushiki Kaisha. Image processing apparatus. 4,817,174, 3-28-89, Cl. 382-22.000.
Nakatani, Munehiro: *See—*
  Oyabu, Masaaki; Sugiura, Masamichi; Hasegawa, Hirofumi; and Nakatani, Munehiro, 4,837,846, Cl. 382-50.000.
Nakatani, Nobuyuki: *See—*
  Takatani, Ichiro; Nakatani, Nobuyuki; and Minami, Shigeru, 4,869,029, Cl. 53-52.000.
Nakatani, Ryoichi: *See—*
  Kobayashi, Toshio; Otomo, Shigekazu; Nakatani, Ryoichi; and Kumasaka, Noriyuki, 4,858,049, Cl. 360-126.000.
Nakatani, Seiichi; Nishimura, Tsutomu; Yuhaku, Satoru; and Ishida, Toru, to Matsushita Electric Industrial Co., Ltd. Method of manufacturing a multilayer ceramic body. 4,795,512, 1-3-89, Cl. 156-89.000.
Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, to Matsushita Electric Industrial Co., Ltd. Conductor paste and method of manufacturing a multilayered ceramic body using the paste. 4,863,683, 9-5-89, Cl. 419-10.000.
Nakatani, Seiichi: *See—*
  Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu, 4,865,772, Cl. 252-512.000.
  Yuhaku, Satoru; Nakatani, Seiichi; Nishimura, Tsutomu; and Ishida, Toru, 4,812,422, Cl. 501-20.000.
  Yuhaku, Satoru; Nakatani, Seiichi; and Nishimura, Tutomu, 4,877,555, Cl. 252-512.000.
Nakatani, Shoji, to Fujitsu Limited. Vector processing system. 4,827,407, 5-2-89, Cl. 364-200.000.
Nakatani, Shoji; and Sakamoto, Kazushi, to Fujitsu Limited. Vector access control system. 4,870,569, 9-26-89, Cl. 364-200.000.
Nakatani, Tadashi: *See—*
  Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,882,447, Cl. 556-40.000.
  Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,886,894, Cl. 556-40.000.
Nakatani, Tokuji: *See—*
  Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
  Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; and Takahashi, Katsutoshi, 4,808,703, Cl. 530-322.000.
Nakatani, Tomofumi: *See—*
  Nakamura, Shogo; and Nakatani, Tomofumi, 4,833,717, Cl. 381-50.000.
Nakatani, Toshifumi: *See—*
  Yamazaki, Fumio; and Nakatani, Toshifumi, 4,887,000, Cl. 313-422.000.
Nakatani, Toshio; and Ohshima, Atsumi, to Nakanihon Juki Co., Ltd. Method of and apparatus for feeding fabric to sewing machine. 4,799,442, 1-24-89, Cl. 112-262.200.
Nakatani, Yoshihiro; and Fukatsu, Tsutomu, to Canon Kabushiki Kaisha. Video signal reproducing apparatus with memory. 4,882,633, 11-21-89, Cl. 358-339.000.
Nakatani, Yoshio; Tamura, Tooru; Nozu, Mikio; and Manabe, Takahiro, to Matsushita Electric Industrial Co. Ltd. Electronic circuit module. 4,843,520, 6-27-89, Cl. 361-395.000.
Nakatani, Yoshio: *See—*
  Tamura, Toru; Sunohara, Masaaki; Ito, Akio; and Nakatani, Yoshio, 4,849,151, Cl. 264-294.000.
Nakatani, Yukio; Ito, Akihiro; and Sakai, Takashi, to Brother Kogyo Kabushiki Kaisha. Reflected-character printing apparatus. 4,839,742, 6-13-89, Cl. 358-296.000.
Nakate, Toshiomi: *See—*
  Ueda, Yoshio; Asakura, Sotoo; Murakami, Yoshio; and Nakate, Toshiomi, 4,889,721, Cl. 424-448.000.
Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, to Kawasaki Steel Corporation; and Sakai Chemical Industry Co., Ltd. Mold additives for use in continuous casting. 4,806,163, 2-21-89, Cl. 106-38.220.
Nakato, Hakaru: *See—*
  Itoyama, Seiji; Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Bessho, Nagayasu; and Fujii, Tetsuya, 4,817,702, Cl. 164-432.000.
Nakatomi, Yoshitsugu; Oda, Goro; and Aoki, Hidetoshi, to Kabushiki Kaisha Toshiba. Recording apparatus having an accessible housing. 4,806,970, 2-21-89, Cl. 355-3.0FU.
Nakatomi, Yoshitsugu; and Oda, Goro, to Kabushiki Kaisha Toshiba. Printing apparatus. 4,809,032, 2-28-89, Cl. 355-3.0TR.
Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, to Mitsubishi Denki Kabushiki Kaisha. Device for driving and controlling optical head for use in optical disk system. 4,835,752, 5-30-89, Cl. 369-32.000.
Nakatsu, Keiji; Kamitsu, Katsuaki; and Ogawa, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Optical disk drive device for positioning a carriage to a retract position. 4,887,254, 12-12-89, Cl. 369-33.000.
Nakatsubo, Fumiaki: *See—*
  Murakami, Koji; Nakatsubo, Fumiaki; Katsura, Yoshiaki; and Matukura, Motoo, 4,889,927, Cl. 536-18.600.
Nakatsue, Takehiro: *See—*
  Morimoto, Akira; Saito, Taizo; and Nakatsue, Takehiro, 4,850,686, Cl. 350-484.000.
Nakatsugawa, Kenji; Katayama, Aiichi; Sekiya, Hitoshi; and Hiratsuka, Shoji, to Anritsu Corporation. Waveform sequence trigger system. 4,797,936, 1-10-89, Cl. 382-1.000.
Nakatsugawa, Kenji; Katayama, Aiichi; and Sekiya, Hitoshi, to Anritsu Corporation. Digital signal processing apparatus. 4,878,194, 10-31-89, Cl. 364-900.000.
Nakatsuji, Hiroshi: *See—*
  Takahashi, Katsuhiko; Nakashima, Tsuneyasu; Nakatsuji, Hiroshi; and Okuda, Hiroshi, 4,859,741, Cl. 525-123.000.
Nakatsuji, Tadao: *See—*
  Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
Nakatsuji, Teruyuki: *See—*
  Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.
  Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
Nakatsuji, Yoshiaki: *See—*
  Sugiura, Masahiro; Yoshida, Michiyuki; and Nakatsuji, Yoshiaki, 4,809,609, Cl. 101-426.000.
Nakatsuji, Yoshihiro: *See—*
  Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Nakatsuji, Yoshihiro, 4,828,345, Cl. 350-1.600.
Nakatsuka, Akio: *See—*
  Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, 4,835,317, Cl. 568-66.000.
Nakatsuka, Iwao; Okuno, Masami; Shiba, Kunio; and Yoshitake, Akira, to Sumitomo Chemical Company, Limited. Radioactive benzodiazepine derivatives. 4,885,152, 12-5-89, Cl. 424-1.100.
Nakatsuka, Jun: *See—*
  Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, 4,851,059, Cl. 148-327.000.
Nakatsuka, Kiyoshi: *See—*
  Naito, Atsushi; Nakatsuka, Kiyoshi; Inui, Takashi; and Suzuki, Tomohiro, 4,808,857, Cl. 307-530.000.
Nakatsuka, Masakatsu: *See—*
  Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, 4,824,882, Cl. 524-89.000.
Nakatsuka, Masanori: *See—*
  Yamamoto, Takeshi; and Nakatsuka, Masanori, 4,849,803, Cl. 357-72.000.
Nakatsuka, Shin-ichi; Hayashi, Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, to Taisho Pharmaceutical Co., Ltd. Acylated vincaminic acid derivatives. 4,883,876, 11-28-89, Cl. 546-51.000.
Nakatsuka, Shinichi; Chinone, Naoki; Uomi, Kazuhisa; Ono, Yuichi; and Kajimura, Takashi, to Hitachi, Ltd. Laser diode. 4,821,275, 4-11-89, Cl. 372-45.000.
Nakatsuka, Shinichi; and Kajimura, Takashi, to Hitachi, Ltd. Semiconductor laser device having a lens-like refractive index distribution within the stripe. 4,872,175, 10-3-89, Cl. 372-46.000.
Nakatsuka, Shin'ichi: *See—*
  Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, 4,827,483, Cl. 372-45.000.
  Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
Nakatsukasa, Frank R.: *See—*
  Biricik, V. Warren; and Nakatsukasa, Frank R., 4,866,264, Cl. 250-225.000.
Nakatsukasa, Ichiro: *See—*
  Kitamura, Yuji; and Nakatsukasa, Ichiro, 4,811,073, Cl. 357-45.000.
Nakatsukasa, Masato: *See—*
  Ichikawa, Haruo; Kanno, Ryoichi; and Nakatsukasa, Masato, 4,887,529, Cl. 101-181.000.
Nakatsukasa, Naoyuki: *See—*
  Motoyoshi, Takeo; Nakatsukasa, Naoyuki; Tanaka, Katsufusa; and Yamashita, Tooru, 4,827,463, Cl. 369-36.000.
Nakatsukasa, Takeshi: *See—*
  Urayama, Yuji; Kondo, Kuniharu; and Nakatsukasa, Takeshi, 4,806,861, Cl. 324-212.000.
Nakatsukasa, Walter M.: *See—*
  Hamill, Robert L.; Nakatsukasa, Walter M.; and Yao, Raymond C., 4,824,863, Cl. 514-460.000.
Nakauchi, Kenji, to Fuji Photo Film Co., Ltd. Color signal conversion method for image copying. 4,870,506, 9-26-89, Cl. 358-296.000.
Nakauchi, Shunsaku, to Kokusai Gijutsu Kaihatsu Kabushiki Kaisha. Electrically controlled type cylinder for locks. 4,798,068, 1-17-89, Cl. 70-276.000.
Nakauchi, Shunsaku, to RYOBI Ltd. Electric key. 4,854,619, 8-8-89, Cl. 292-335.000.
Nakaue, Akimitsu: *See—*
  Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu,

Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.

Nakawaki, Yasunori; Numazawa, Akio; and Hayashi, Takashi, to Toyota Jidosha Kabushiki Kaisha. Control apparatus for vehicle power transmitting system including continuously variable transmission. 4,836,056, 6-6-89, Cl. 74-866.000.

Nakawawa, Yoshinori: *See—*

Torisaka, Yasunori; Katoh, Masahito; and Nakawawa, Yoshinori, 4,867,807, Cl. 148-11.50R.

Nakaya, Chitose; Takeuchi, Hiroshi; and Katakura, Kageyoshi, to Hitachi Medical Corp.; and Hitachi Ltd. Ultrasonic probe using piezoelectric composite material. 4,801,835, 1-31-89, Cl. 310-358.000.

Nakaya, Fuminori: *See—*

Ueda, Akihiro; Nakaya, Fuminori; Yuhara, Kouhei; and Aoike, Nanjou, 4,847,537, Cl. 315-200.00R.

Nakaya, Masao; Nakabayashi, Takeo; and Andou, Hideki, to Mitsubishi Denki Kabushiki Kaisha. Standard cell system large scale integrated circuit with heavy load lines passing through the cells. 4,870,300, 9-26-89, Cl. 307-303.000.

Nakaya, Masao: *See—*

Horiba, Yasutaka; Nakaya, Masao; and Ikea, Yuto, 4,804,848, Cl. 250-394.000.

Kumamoto, Toshio; and Nakaya, Masao, 4,827,262, Cl. 341-158.000.

Nakabayashi, Takeo; and Nakaya, Masao, 4,819,208, Cl. 365-189.000.

Nakabayashi, Takeo; and Nakaya, Masao, 4,876,670, Cl. 365-194.000.

Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, 4,798,339, Cl. 239-601.000.

Nakaya, Mitsuru: *See—*

Koshida, Yoshinori; Miyake, Isao; Okazaki, Yasuo; Motoi, Nobuhiro; and Nakaya, Mitsuru, 4,889,978, Cl. 235-379.000.

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Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, to Morinaga Milk Industry Co., Ltd. Substance having an anti-infective activity. 4,797,389, 1-10-89, Cl. 514-54.000.

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Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.

Nakaya, Yutaka: *See—*

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Nakayama, Haruki, to Konica Corporation. Auto-focus camera. 4,873,542, 10-10-89, Cl. 354-400.000.

Nakayama, Haruo: *See—*

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Sato, Yasuhisa; Kitagishi, Nozomu; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,842,395, Cl. 350-519.000.

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Nakayama, Hiromichi, to Nifco, Inc. Oil damper. 4,796,733, 1-10-89, Cl. 188-291.000.

Nakayama, Hiromichi, to Nifco Inc. Drink container holder. 4,819,843, 4-11-89, Cl. 224-42.45R.

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Saito, Yoshifusa; Nakayama, Hiroshi; Fukui, Hisao; and Matsuoka, Naoya, 4,821,805, Cl. 169-5.000.

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Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, to Nihon Shinku Gijutsu Kabushiki Kaisha. Method of forming a thin film by chemical vapor deposition. 4,800,105, 1-24-89, Cl. 427-253.000.

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Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, 4,849,260, Cl. 427-250.000.

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Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Nakayama, Kazuo: *See—*

Matsuda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and Nakayama, Kazuo, 4,814,404, Cl. 526-285.000.

Nakayama, Kazuyuki: *See—*

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Nakayama, Keiji; Ushiro, Seimei; and Ohmura, Hiroshi, to Fuji Photo Film Co., Ltd. Photographic film package and method of making the same. 4,831,398, 5-16-89, Cl. 354-212.000.

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Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, 4,835,153, Cl. 514-249.000.

Kubota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; and Uchida, Matazaemon, 4,863,925, Cl. 514-249.000.

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Yamana, Tohru; Nakayama, Kiyoshi; and Sato, Kazuhiko, 4,798,967, Cl. 307-10.00R.

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Kurokawa, Hitoshi; Nakayama, Kouji; and Takenaka, Hirokazu, 4,844,343, Cl. 239-102.200.

Nakayama, Makoto: *See—*

Yamane, Toshinobu; Kuramoto, Akio; Shimizu, Ryuji; and Nakayama, Makoto, 4,881,078, Cl. 342-155.000.

Nakayama, Masaaki: *See—*

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Nakayama, Masahiro: *See—*

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Takeuchi, Hisaharu; Takamatsu, Hisashi; Nakayama, Masahiro; Shiroyanagi, Yoshiro; and Kurano, Akira, 4,805,048, Cl. 360-69.000.

Nakayama, Masaru: *See—*

Iwai, Masato; Morishita, Ichiro; and Nakayama, Masaru, 4,820,029, Cl. 350-432.000.

Nakayama, Masatoshi; Morita, Haruyuki; and Kubota, Yuichi, to TDK Corporation. Inorganic powders with improved dispersibility. 4,810,524, 3-7-89, Cl. 427-38.000.

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Ueda, Kunihiro; Takasugi, Yasufumi; and Nakayama, Masatoshi, 4,824,724, Cl. 428-336.000.

Ueda, Kunihiro; and Nakayama, Masatoshi, 4,863,811, Cl. 428-694.000.

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Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,889,767, Cl. 428-336.000.

Nakayama, Mitsuo: *See—*

Masuzawa, Isao; Miyayama, Toshio; Nakayama, Mitsuo; and Nishimura, Koichi, 4,811,679, Cl. 114-144.0RE.

Nakayama, Motohiro: *See—*

Kanamaru, Tatsuya; Nakayama, Motohiro; Arai, Katutoshi; Suzuki, Shinichi; and Naka, Ryoichi, 4,877,494, Cl. 204-28.000.

Nakayama, Muneo, to Tokyo Ohka Kogyo Co., Ltd. Thin-film coating apparatus. 4,867,345, 9-19-89, Cl. 222-108.000.

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Nakayama, Muneo: *See—*

Ishikawa, Tsutomu; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,835,017, Cl. 427-379.000.

Kashiwagi, Eiichi; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,865,649, Cl. 106-287.160.

Nakayama, Nobuhiro; Asahina, Yasuo; Fushimi, Hiroyuki; and Iwamoto, Yasuaki, to Ricoh Company, Ltd. Triboelectric charge application member for toner. 4,841,331, 6-20-89, Cl. 355-245.000.

Nakayama, Noritaka: *See—*

Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.

Masukawa, Toyoaki; Tsuda, Yasuo; Ninomiya, Hidetaka; Nakayama, Noritaka; and Kimura, Toshihiko, 4,818,672, Cl. 430-558.000.

Nakayama, Okihiko; Itoh, Toshiyuki; and Ueno, Hiroshi, to Nissan Motor Company, Limited. Navigation system for automotive vehicle with automatic navigation start and navigation end point search and automatic route selection. 4,796,189, 1-3-89, Cl. 364-449.000.

Nakayama, Rinichi; Yoshida, Yasunori; and Iwama, Satoshi, to Toyo Tire & Rubber Co., Ltd. Rubber composition for tire tread. 4,840,988, 6-20-89, Cl. 524-476.000.

Nakayama, Satoshi: *See—*

Kimura, Rokusaburo; Watari, Yoshie; Nakayama, Satoshi; and Naruse, Haruhiko, 4,825,486, Cl. 5-453.000.

Nakayama, Shigeki: *See—*

Ikeda, Akira; Nakayama, Shigeki; Ezaki, Kenji; Ishii, Toshitsugu; and Itakura, Isao, 4,817,332, Cl. 47-17.000.

Nakayama, Shigeyuki, to Kabushiki Kaisha Kenwood. Synchronization pulse generator in spread spectrum communication system. 4,860,307, 8-22-89, Cl. 375-1.000.

Nakayama, Shigeyuki, to Kabushiki Kaisha Kenwood. Spread spectrum receiver. 4,884,284, 11-28-89, Cl. 375-1.000.

Nakayama, Shin: *See—*

Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,805,997, Cl. 350-413.000.

Asahara, Yoshiyuki; Sasai, Hiroyuki; Omi, Shigeaki; Shingaki, Seiichi; and Nakayama, Shin, 4,844,589, Cl. 350-413.000.

Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,844,724, Cl. 65-3.110.

Nakayama, Shinichi: *See—*

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Nakayama, Shohei: *See—*

Mitsuhashi, Kenhachi; Ohashi, Yoshinobu; Nakayama, Shohei; and Yamada, Akira, 4,841,779, Cl. 73-826.000.

Nakayama, Shoichiro: *See—*

Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.

Nakayama, Shozo; and Madenokoji, Shinichiro, to Kabushiki Kaisha Morita Seisakusho. Connecting device for an illuminant handpiece. 4,804,329, 2-14-89, Cl. 439-20.000.

Nakayama, Tadashi: *See—*

Kitada, Hideki; Takahashi, Masami; Yagi, Toshiyuki; Sukeda, Masaaki; and Nakayama, Tadashi, 4,808,642, Cl. 524-87.000.

Nakayama, Tadayoshi: *See—*

Nagasawa, Kenichi; Takahashi, Koji; Yasumura, Hiroto; Sato, Ohikara; and Nakayama, Tadayoshi, 4,870,509, Cl. 360-9.100.

Sato, Chikara; Nakayama, Tadayoshi; Takahashi, Koji; and Sasatani, Tomohiko, 4,797,741, Cl. 358-138.000.

Yoshimura, Katsuji; Masui, Toshiyuki; Sato, Chikara; and Nakayama, Tadayoshi, 4,849,833, Cl. 360-36.200.

Yoshimura, Katsuji; Nakayama, Tadayoshi; Ishikawa, Hisashi; and Sato, Chikara, 4,882,615, Cl. 358-31.000.

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Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.

Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.

Nakayama, Takashi; Hisatomi, Takashi; and Ura, Shyouzabu, to Nissan Motor Co., Ltd. Gasket assembly. 4,813,687, 3-21-89, Cl. 277-26.000.

Nakayama, Takashi, to NEC Corporation. Register/saving/restoring system for saving and restoring data in a register of a slave processor. 4,851,992, 7-25-89, Cl. 364-200.000.

Nakayama, Takehisa: *See—*

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Nakayama, Takenori: *See—*

Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.

Nakayama, Takeo; Inoue, Saburo; and Sakamoto, Takurou, to Takeda Chemical Industries, Ltd. Resin compositions. 4,797,449, 1-10-89, Cl. 525-217.000.

Nakayama, Takeo; and Sakamoto, Takurou, to Takeda Chemical Industries, Ltd. One-can resin compositions. 4,806,585, 2-21-89, Cl. 524-376.000.

Nakayama, Takeshi: *See—*

Kobayashi, Kazuo; Nakayama, Takeshi; and Terada, Yasushi, 4,811,294, Cl. 365-189.000.

Kobayashi, Kazuo; Terada, Yasushi; and Nakayama, Takeshi, 4,813,018, Cl. 365-185.000.

Terada, Yasushi; Nakayama, Takeshi; Kobayashi, Kazuo; and Noguchi, Kenji, 4,805,151, Cl. 365-189.000.

Terada, Yasushi; Nakayama, Takeshi; and Kobayashi, Kazuo, 4,858,194, Cl. 365-203.000.

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Sugawara, Eishu; Nakayama, Taketoshi; and Masumoto, Tsuyoshi, 4,836,867, Cl. 148-301.000.

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Nakayama, Toshiaki. Device for joining frame members for picture frame. 4,859,112, 8-22-89, Cl. 403-402.000.

Nakayama, Toshimasa: *See—*

Asaumi, Shingo; Kohara, Hidekatsu; Tanaka, Hatsuyuki; and Nakayama, Toshimasa, 4,804,612, Cl. 430-192.000.

Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.

Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.

Tanaka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,873,177, Cl. 430-326.000.

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Naito, Katsuyuki; Okamoto, Masayoshi; Mizushima, Koichi; Nakayama, Toshio; Sugiuchi, Masami; and Miura, Akira, 4,819,057, Cl. 357-17.000.

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Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara, Heikichi; and Daikoku, Takahiro, 4,823,863, Cl. 165-80.400.

Nakayama, Yasuhiko: *See—*

Watanabe, Yoshio; Nakayama, Yasuhiko; Furuya, Nobuaki; and Miyama, Hiroshi, 4,796,134, Cl. 360-125.000.

Nakayama, Yasuyuki; and Sada, Tomoya, to Mizoguchi Manufacturing Co., Ltd. Sighting apparatus. 4,807,966, 2-28-89, Cl. 350-255.000.

Nakayama, Yasuyuki; and Sada, Tomoya, to Mizoguchi Manufacturing Company Limited. Sighting apparatus with automatic correction mechanism. 4,841,136, 6-20-89, Cl. 250-231.00R.

Nakayama, Yoji; and Yasui, Akira, to Ryobi Ltd. Fishing rod and method of manufacturing same. 4,821,447, 4-18-89, Cl. 43-18.100.

Nakayama, Yoshiaki; and Ueda, Shinichi, to Yazaki Corporation. Method of connecting wire harness for automobile vehicle. 4,800,648, 1-31-89, Cl. 29-854.000.

Nakayama, Yoshiaki; and Miyazawa, Yasuhiro, to Yazaki Corporation. Wire harness for automotive vehicle. 4,818,236, 4-4-89, Cl. 439-34.000.

Nakayama, Yoshiaki; and Miyazawa, Yasuhiro, to Yazaki Corporation. Wire harness incorporated in automotive vehicle doors. 4,824,164, 4-25-89, Cl. 296-146.000.

Nakayama, Yoshiaki; and Ohta, Takahiro, to Fuji Photo Film Co., Ltd. Magnetic recording apparatus. 4,829,388, 5-9-89, Cl. 360-35.100.

Nakayama, Yoshiaki: *See—*

Kawada, Yukihiro; and Nakayama, Yoshiaki, 4,883,360, Cl. 356-402.000.

Okada, Kazuo; and Nakayama, Yoshiaki, 4,819,093, Cl. 360-78.060.

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Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, 4,855,799, Cl. 357-23.400.

Nakayama, Yoshikazu: *See—*

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Nakayama, Yoshinori; and Takizawa, Kikuo, to Sanyo Electric Co., Ltd. Nickel-chromium stainless steel having improved corrosion resistances and machinability. 4,812,287, 3-14-89, Cl. 420-41.000.

Nakayama, Yoshio: *See—*

Murakami, Tadashi; Nakaniwa, Mikio; and Nakayama, Yoshio, 4,814,063, Cl. 208-50.000.

Murakami, Tadashi; Nakaniwa, Mikio; Nakayama, Yoshio; and Masuo, Mitsuaki, 4,855,037, Cl. 208-422.000.

Nakayama, Yoshitarou: *See—*

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Nakayama, Yoshiyuki; Yanagi, Kunihiro; and Mori, Kenjiro, to Hitachi, Ltd. Multi-window display system with modification or manipulation capability. 4,806,919, 2-21-89, Cl. 340-721.000.

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Nakayashiki, Susumu: *See—*

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Nakayasu, Yoshikazu: *See—*

Mizusawa, Norihito; Gohara, Yoshihiro; and Nakayasu, Yoshikazu, 4,820,215, Cl. 440-88.000.

Nakazaki, Katsuichi; and Nonoyama, Yasumasa, to Mitsubishi Denki Kabushiki Kaisha. Operating system for controlling man-machine interaction in information processing system. 4,797,854, 1-10-89, Cl. 364-900.000.

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Prins, Johan F.; Nam, Tom L.; and Keddy, Rex J., 4,833,328, Cl. 250-370.010.

Namanny, Keith E.; Namanny, Kerry T.; and Bigelow, Paul P. Method of using robots to conduct a competition. 4,844,461, 7-4-89, Cl. 273-85.00R.

Namanny, Kerry T.: *See—*

Namanny, Keith E.; Namanny, Kerry T.; and Bigelow, Paul P., 4,844,461, Cl. 273-85.00R.

Namazue, Hirotoshi; and Akutsu, Shouji, to Kokusan Kinzoku Kogyo Kabushiki Kaisha. Vehicle use lock system. 4,827,744, 5-9-89, Cl. 70-252.000.

Namazue, Hirotoshi, to Kokusan Kinzoku Kogyo Kabushiki Kaisha. Car anti-theft device. 4,858,453, 8-22-89, Cl. 70-278.000.

Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, to Olympus Optical Co., Ltd. Method and apparatus for measuring immunological reaction with the aid of fluctuation in intensity of scattered light. 4,826,319, 5-2-89, Cl. 356-339.000.

Namba, Akihiro, to Olympus Optical Co., Ltd. Method of measuring concentration of substances. 4,828,388, 5-9-89, Cl. 356-336.000.

Namba, Akira: *See—*

Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.

Namba, Harumi: *See—*

Omura, Etsuji; Goto, Katsuhiko; Takahashi, Shogo; Namba, Harumi; and Takemoto, Akira, 4,888,781, Cl. 372-46.000.

Namba, Hideaki: *See—*

Kamei, Eiichi; and Namba, Hideaki, 4,840,245, Cl. 180-179.000.

Namba, Mitsuo: *See—*

Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.

Namba Press Works Co., Ltd.: *See—*

Goto, Fumio; and Otawa, Taro, 4,883,632, Cl. 264-544.000.

Okamoto, Tsuneyuki; Toda, Yasuyuki; Katayama, Mitsuo; and Senoh, Yasumasa, 4,804,506, Cl. 264-45.100.

Namba, Ryujiro: *See—*

Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.

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Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro, and Shimizu, Yuzo, 4,862,225, Cl. 428-405.000.

Namba, Shigetoh: *See—*

Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.

Namba, Takeo: *See—*

Jeon, Byung S.; and Namba, Takeo, 4,837,262, Cl. 524-322.000.

Nambu Electric Co., Ltd.: *See—*

Nambu, Yukio, 4,805,778, Cl. 209-3.300.

Nambu, Yukio, 4,811,551, Cl. 53-500.000.

Nambu, Jinsho: *See—*

Mashita, Kentaro; Nambu, Jinsho; and Ishii, Shoji, 4,849,476, Cl. 525-183.000.

Nambu, Kyojiro; and Rifu, Toshihiro, to Kabushiki Kaisha Toshiba. Computed tomograph apparatus. 4,881,251, 11-14-89, Cl. 378-7.000.

Nambu, Kyojiro: *See—*

Hopkinson, James F.; Nambu, Kyojiro; and Sivers, E. Ann, 4,809,172, Cl. 364-413.160.

Rifu, Toshihiro; and Nambu, Kyojiro, 4,807,267, Cl. 378-7.000.

Nambu, Masao; Kinoshita, Tatsuo; and Watase, Mineo, to Nippon Oil Co., Ltd. Process for preparing an artificial biological membrane. 4,808,353, 2-28-89, Cl. 264-28.000.

Nambu, Masao; Kuwabara, Osamu; Okuno, Yoshihiko; and Ohba, Toshiyuki, to Nippon Oil Co., Ltd. Denture base. 4,828,493, 5-9-89, Cl. 433-199.100.

Nambu, Seigo; Fukazawa, Hiroyuki; and Takei, Shinji, to Oki Electric Industry Co., Ltd. Plastic-sealed IC device of heat-resistant construction. 4,866,506, 9-12-89, Cl. 357-72.000.

Nambu, Shutaro: *See—*

Katsu, Shin; Nambu, Shutaro; and Shimano, Akio, 4,883,985, Cl. 307-279.000.

Nambu, Yoko: *See—*

Endo, Takeshi; Nambu, Yoko; and Yamamoto, Kazutoshi, 4,841,058, Cl. 546-257.000.

Nambu, Yukio, to Nambu Electric Co., Ltd. Method and apparatus for the manipulation of products. 4,805,778, 2-21-89, Cl. 209-3.300.

Nambu, Yukio, to Nambu Electric Co., Ltd. Packaging apparatus for packaging eggs, etc. 4,811,551, 3-14-89, Cl. 53-500.000.

Nambudiry, Mayara E., to Lever Brothers Company. Detergent compositions containing fatty acid soap and monoesters of dicarboxylic acids. 4,863,628, 9-5-89, Cl. 252-132.000.

Nambudiry, Mayara E. N., to Lever Brothers Company. Detergent composition. 4,812,252, 3-14-89, Cl. 252-108.000.

Namco Ltd.: *See—*

Murata, Hiroyuki, 4,829,295, Cl. 340-728.000.

Murata, Hiroyuki, 4,831,557, Cl. 364-521.000.

Nakamura, Shigeichi; and Tashiro, Koichi, 4,834,374, Cl. 273-1.00E.

Ogawa, Toru, 4,857,905, Cl. 340-748.000.

Sato, Seiichi, 4,858,930, Cl. 273-85.00G.

Namdar, Sirous: *See—*

Harzl, Erich; Maier, Karl; and Namdar, Sirous, 4,863,107, Cl. 241-21.000.

Namekata, Kiyokazu: *See—*

Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, [illegible] Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, [illegible] Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.

Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.

Namekawa, Hiroshi: *See—*

Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; [illegible] Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, 4,839,376, Cl. 514-406.000.

Namekawa, Kouroku, to Aloka Co., Ltd. Doppler ultrasonic diagnostic apparatus. 4,799,490, 1-24-89, Cl. 128-661.090.

Namekawa, Makoto, to Alpine Electronics, Inc. Method for identifying the status of an antitheft system. 4,809,316, 2-28-89, Cl. 379-58.000.

Namekawa, Makoto, to Alpine Electronics, Inc. Method of alarm to prevent vehicle thefts. 4,821,309, 4-11-89, Cl. 379-58.000.

Namekawa, Makoto, to Alpine Electronics, Inc. Method for notifying of a call arrival. 4,860,335, 8-22-89, Cl. 379-58.000.

Namekawa, Takashi: *See—*

Yamada, Seiichi; Naitoh, Takashi; Namekawa, Takashi; Ikegami, Akira; Gotoo, Ryoo; and Nishiyama, Toshikazu, 4,816,949, Cl. 360-120.000.

Namen, Tjado V.: *See—*

Savage, James G.; Jagger, Brian E.; and Namen, Tjado V., 4,867,584, Cl. 400-157.300.

NamGoong, Eok: *See—*

Lashmore, David S.; Weisshaus, Ilan; and NamGoong, Eok, 4,804,446, Cl. 204-51.000.

Namgyal, Champa; and Weinreb, Robert, to Tenba, Inc. Air [illegible] 4,805,776, 2-21-89, Cl. 206-523.000.

Namikawa, Hiroshi: *See—*

Morishita, Hiroshi; Namikawa, Hiroshi; Koguchi, Youji; Miyake, Shin-Ichi; Imayoshi, Terukazu; Kikuchi, Hitoshi; and Nakamura, Akihiro, 4,828,594, Cl. 65-18.400.

Namikawa, Jiro, to Yokogawa Medical Systems, Ltd. Method of collecting data for x-ray tomograph. 4,852,132, 7-25-89, Cl. 378-19.000.

Namikawa, Mamoru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, to Tokyo Magnetic Printing Company Ltd. Magnetic medium for magnetic embossment and magnetic card and the same. 4,849,618, 7-18-89, Cl. 235-493.000.

Namiki, Akio: *See—*

Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira, Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.

Namiki, Fumihiro: *See—*

Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, 4,825,115, Cl. 310-327.000.

Namiki, Ko; and Kikuchi, Tokio, to Honda Giken Kogyo Kabushiki Kaisha. Wheel unbalance correction method and wheel unbalance detecting apparatus. 4,864,858, 9-12-89, Cl. 73-457.000.

Namiki, Kou; Mukumoto, Takaji; and Gunji, Keiichiro, to Honda Giken Kogyo Kabushiki Kaisha. Automatic wheel attachment apparatus. 4,841,632, 6-27-89, Cl. 29-787.000.

Namiki, Kunio: *See—*

Fukizawa, Kazunori; Higuchi, Mitsushi; and Namiki, Kunio, 4,838,961, Cl. 148-12.400.

Namiki, Masayuki; Gouda, Masanori; and Kamiya, Masaaki, to Seiko Instruments Inc. Magnetic sensor using integrated silicon Hall effect elements formed on the (100) plane of a silicon substrate. 4,875,011, 10-17-89, Cl. 324-251.000.

Namiki Precision Jewel Co., Ltd.: *See—*

Inoue, Nobuyuki; Takahashi, Katsumi; and Imaizumi, Nobuo, 4,801,340, Cl. 148-103.000.

Namiki, Takayuki: *See—*

Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.

Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, to Koken Co., Ltd.; and Shiseido Co., Ltd. Surfactant composed of acylated collagen or acylated gelatine and a production process thereof. 4,840,937, 6-20-89, Cl. 514-21.000.

Namiki, Tomizo; Suzuki, Kazuo; and Shinozaki, Fumiaki, to Fuji Photo Film Co., Ltd. Image forming process. 4,877,712, 10-31-89, Cl. 430-256.000.

Namiki, Yasuomi: *See—*

Kawasaki, Satoshi; Arai, Mitsuhiro; and Namiki, Yasuomi, 4,827,360, Cl. 360-64.000.

Namiki, Yoshio: *See—*

Ota, Kenshiro; and Namiki, Yoshio, 4,888,606, Cl. 354-76.000.

Namikoshi, Hajime; and Goto, Tatsuo, to Daicel Chemical Industries Ltd. Fungicidal and bactericidal method. 4,877,617, 10-31-89, Cl. 424-409.000.

Namikoshi, Hajime; Shibata, Tohru; and Okamoto, Ichiro, to Daicel Chemical Industries, Ltd. Separation agent comprising acyl- or carbamoyl-substituted polysaccharide. 4,879,038, 11-7-89, Cl. 210-635.000.

Namikoshi, Hajime: *See—*

Shibata, Tohru; Namikoshi, Hajime; and Okamoto, Ichiro, 4,830,752, Cl. 210-635.000.

Namisato, Tooru, to Seiko Instruments Inc. Electronic watch with moving member. 4,839,874, 6-13-89, Cl. 368-76.000.

Namizaki, Hirofumi: *See—*

Goto, Katsuhiko; and Namizaki, Hirofumi, 4,809,289, Cl. 372-46.000.

Omura, Etsuji; and Namizaki, Hirofumi, 4,847,845, Cl. 372-46.000.

Namkung Promotions, Inc.: *See—*

Kiyokane, Jerrilyn C., 4,804,133, Cl. 229-8.000.

Namura, Kiyoshi: *See—*

Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; and Arai, Akira, 4,808,084, Cl. 417-322.000.

Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; Okusawa, Tsutomu; and Arai, Akira, 4,822,250, Cl. 417-45.000.

Namura, Koji: *See—*

Fukumoto, Hiroshi; Namura, Koji; Naruki, Kenichi; and Une, Ryuzo, 4,878,772, Cl. 400-120.000.

Namyal, Edmond. Printed circuit board laminating machine. 4,806,195, 2-21-89, Cl. 156-382.000.

Nanai, Sadaaki, to Eastman Kodak Company. Ultrasonic vibration driving type thermal printer. 4,797,689, 1-10-89, Cl. 346-76.0PH.

Nanami, Hiroo, to Kabushikigaisha Nanami. Sheet folding device. 4,820,255, 4-11-89, Cl. 493-451.000.

Nanami, Masayoshi: *See—*

Nakase, Ryoichi; and Nanami, Masayoshi, 4,811,560, Cl. 60-310.000.

Nakase, Ryoichi; Nanami, Masayoshi and Inoue, Seiji, 4,813,898, Cl. 440-111.000.

Nanamura, Masanori; Hosaka, Masao; and Inouye, Mutsuhiro, to Canon Kabushiki Kaisha. Image processing apparatus. 4,888,616, 12-19-89, Cl. 355-202.000.

Nanba, Hirokuni: *See—*

Taguchi, Tsunemasa; Kidoguchi, Isao; and Nanba, Hirokuni, 4,866,007, Cl. 437-108.000.

Nanba, Hiromi, to Kabushiki Kaisha Toshiba. Method for efficiently dropping out a pattern having a drop-out color and a facsimile apparatus for realizing the same. 4,872,062, 10-3-89, Cl. 358-443.000.

Nanba, Mitsuaki: *See—*

Morishita, Mitsuharu; Iwatani, Shiro; and Nanba, Mitsuaki, 4,848,646, Cl. 228-206.000.

Nanba, Sinzi; Mizuno, Toru; Koike, Satoshi; and Goto, Tukasa, to Nippondenso Co., Ltd. Holographic display system. 4,832,427, 5-23-89, Cl. 350-3.720.

Nanba, Yasuyuki: *See—*

Hattori, Masahiro; and Nanba, Yasuyuki, 4,832,173, Cl. 198-377.000.

Nanbu, Kazuya; Yamaguchi, Nobuyuki; and Masubuchi, Kaoru, to Daiwa Seiko, Inc. Fishing reel with wear-resistant line guide. 4,798,354, 1-17-89, Cl. 242-84.10R.

Nanbu, Kazuya, to Daiwa Seiko Inc. Spool in a double-bearing type fishing reel. 4,805,849, 2-21-89, Cl. 242-84.50R.

Nanbu, Masahiro; and Suda, Hiroyuki, to Koganei Ltd. Solenoid valve. 4,848,727, 7-18-89, Cl. 251-129.160.

Nanbu, Takehiko: *See—*

Yokoo, Kyoichi; and Nanbu, Takehiko, 4,818,128, Cl. 400-166.000.

Nanbu, Taro: *See—*

Sugita, Ryuji; Tohma, Kiyokazu; Honda, Kazuyoshi; and Nanbu, Taro, 4,859,501, Cl. 427-131.000.

Nanbu, Toshiro: *See—*

Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,826,904, Cl. 524-314.000.

Matsumura, Shoichi; Nanbu, Toshiro; and Furukawa, Hisao, 4,880,861, Cl. 524-314.000.

Nance, Nora S. Trimmer wheels. 4,829,755, 5-16-89, Cl. 56-17.100.

Nance, William A.: *See—*

Passmore, Paul R.; and Nance, William A., 4,800,538, Cl. 367-55.000.

Nanda, Sunil, to Intel Corporation. Block shifter for graphics processor. 4,797,852, 1-10-89, Cl. 364-900.000.

Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hatto, to Dr. Rentschler Arzneimittel GmbH & Co. Pharmaceutical composition for the treatment of circulatory disturbances. 4,855,300, 8-8-89, Cl. 514-264.000.

Nango, Shigeyuki: *See—*

Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713, Cl. 357-70.000.

Nanis, Leonard, to Xebec Corporation. Burnishing head for memory disk drive. 4,845,816, 7-11-89, Cl. 29-90.010.

Naniwa Seitei Kabushiki Kaisha: *See—*

Murao, Masatsugu; Murao, Kazuhiko; and Mochizuki, Tsuyoshi, 4,811,748, Cl. 134-122.00R.

Nanjing Institute of Technology: *See—*

Yiming, Liug, 4,862,476, Cl. 372-61.000.

Nankai Kogyo Kabushiki Kaisha: *See—*

Ohi, Kenji, 4,805,345, Cl. 49-308.000.

Nankee, Robert J.; and Randolph, E. Richard, to Dow Chemical Company, The. Process for producing molds or cores for investment casting with reduced solvent loss. 4,809,761, 3-7-89, Cl. 164-5.000.

Nankee, Robert J., II; Frantz, Douglas C.; Tamm, James R.; and Gutermuth, Terry R., to Chrysler Motors Corporation. Purge corruption detection. 4,821,701, 4-18-89, Cl. 123-520.000.

Nankivil, Donald B., to Ford Aerospace & Communications Corporation. Range measurement for active optical recognition devices. 4,888,477, 12-19-89, Cl. 250-201.000.

Nanko, Norbert: *See—*

Beck, Andreas; and Nanko, Norbert, 4,877,030, Cl. 128-343.000.

Nanno, Ikuo: *See—*

Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.

Nanno, Takanobu: *See—*

Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.

Nanometrics, Incorporated: *See—*

Coates, Vincent J.; and Lin, Warren W., 4,826,321, Cl. 356-351.000.

Coates, Vincent J., 4,849,694, Cl. 324-230.000.

Coates, Vincent J., 4,884,890, Cl. 356-384.000.

Nanos, Nicholas M.: *See—*

Vercillo, Alfredo J.; and Nanos, Nicholas M., 4,855,573, Cl. 219-492.000.

Nantel, Jean H. Method and apparatus for assembling anti-friction bearings. 4,837,910, 6-13-89, Cl. 29-149.50R.

Nantt, Wolfgang: *See—*

Zimmermann, Gunther; Friedrich, Reinhard; Nantt, Wolfgang; and Weissert, Wolfgang, 4,872,587, Cl. 220-375.000.

Nanyoshi, Yasutoshi; and Oshiage, Katsunori, to Nissan Motor Company Limited. Fuel injection control system for internal combustion engine with precisely engine load dependent fuel injection amount adjustment feature. 4,800,860, 1-31-89, Cl. 123-492.000.

Nanzai, Takashi, to Sagami Tsushin Kogyo Kabushiki Kaisha. Printed wiring board tester. 4,801,876, 1-31-89, Cl. 324-158.00F.

Naoe, Fumihiro: *See—*

Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.

Naoe, Masahiko: *See—*

Kadokura, Sadao; Honjo, Kazuhiko; Tomie, Takashi; and Naoe, Masahiko, 4,842,708, Cl. 204-298.000.

Naoi, Akira; and Yamamoto, Yuichi, to Sharp Kabushiki Kaisha. Video cassette front loading system for video tape recorder. 4,814,911, 3-21-89, Cl. 360-85.000.

Naoi, Satoshi; Inoue, Akira; Nishikawa, Katsuhiko; and Nagata, Shigemi, to Fujitsu Limited. Method of compressing character or pictorial image data using curve approximation. 4,853,885, 8-1-89, Cl. 364-718.000.

Naoi, Satoshi: *See—*

Akagawa, Minoru; Naoi, Satoshi; and Fukumoto, Heijiro, 4,880,518, Cl. 204-298.000.

- Naoi, Takashi: *See—*
  - Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, 4,859,576, Cl. 430-523.000.
- Naoi, Takayuki: *See—*
  - Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
- Naoki, Makoto; and Aoyagi, Shouzou, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing a sheet of color-developer for pressure-sensitive recording paper. 4,820,550, 4-11-89, Cl. 427-150.000.
- Naoki, Shigeru: *See—*
  - Sugioka, Takami; Naoki, Shigeru; and Ueno, Toshiyuki, 4,822,972, Cl. 219-10.492.
- Naomitsu Tokieda: *See—*
  - Brown, Wayne H., 4,809,452, Cl. 40-417.000.
  - Homma, Dai, 4,797,649, Cl. 337-140.000.
  - Honma, Dai, 4,806,815, Cl. 310-307.000.
- Naora, Hirokazu; Onuki, Takashi; and Nakamura, Asao, to Ajinomoto Co., Inc.; and Mochida Pharmaceutical Co., Ltd. Production of cyclopentenylheptanoic acid derivatives. 4,849,535, 7-18-89, Cl. 556-441.000.
- Naota, Takeshi: *See—*
  - Murahashi, Shunichi; and Naota, Takeshi 4,801,748, Cl. 564-126.000.
- Naoumidis, Aristides: *See—*
  - Struck, Bernd D.; Neumeister, Herbert; and Naoumidis, Aristides, 4,873,121, Cl. 427-77.000.
- Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, to Sanyo Electric Co., Ltd.; and Figaro Engineering Inc. Control system for air cleaner. 4,827,154, 5-2-89, Cl. 307-116.000.
- Napal Fabrik fur Prazisionswerkzeuge Dr. Kress KG: *See—*
  - Kress, Dieter; and Haberle, Friedrich, 4,838,136, Cl. 82-20.000.
- Naparstek, Yaakov: *See—*
  - Vlodavsky, Israel; Eldor, Amiram; Naparstek, Yaakov; and Cohen, Irun R., 4,882,318, Cl. 514-56.000.
- Napco, Inc.: *See—*
  - Meehan, Jeffrey, 4,855,046, Cl. 210-232.000.
- Napco Security Systems, Inc.: *See—*
  - Buccola, Charles; and Kolb, Lawrence M., 4,833,450, Cl. 340-506.000.
  - Gaudio, Raymond, 4,804,942, Cl. 340-514.000.
- Napeloni, Paul; Sieber, Daniel G.; and Cabe, Thomas D., to Western Stress, Inc. Probe for internal bore inspection. 4,843,896, 7-4-89, Cl. 73-866.500.
- Napier, James J.; and Griffith, Ronald C., to Fisons Corporation. 2-amino-N-(2-phenylindan-2-yl)acetamides useful as anti-epileptics. 4,873,241, 10-10-89, Cl. 514-237.800.
- Napier, James J.: *See—*
  - Griffith, Ronald C.; and Napier, James J., 4,798,687, Cl. 260-501.100.
  - Griffith, Ronald C.; and Napier, James J., 4,855,462, Cl. 549-354.000.
- Napier, John M.; Hancher, Charles M.; and Hackett, Gail D., to United States of America, Energy. Process for removing metals from water. 4,814,091, 3-21-89, Cl. 210-665.000.
- Napiorkowski, John J.: *See—*
  - Crane, Robert A.; and Napiorkowski, John J., 4,824,390, Cl. 439-271.000.
  - Crosby, John J.; and Napiorkowski, John J., 4,876,713, Cl. 379-412.000.
- Napoleon, David P.; and Centofanti, Salvatore J., to General Felt Industries, Inc. Picker assembly. 4,797,977, 1-17-89, Cl. 19-97.000.
- Napoli, Joseph D.: *See—*
  - Maher, Joseph A.; Vowles, E. John; Napoli, Joseph D.; Zafiropoulo, Arthur W.; and Miller, Mark W., 4,885,050, Cl. 156-345.000.
- Napolitano, John R. Orthodontic method and apparatus. 4,850,865, 7-25-89, Cl. 433-8.000.
- Napp, Duane T.; and Roche, Kevin J., to International Business Machines Corporation. Component self alignment. 4,836,435, 6-6-89, Cl. 228-180.200.
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  - Roder, Edward A.; and Napper, Gregory J., 4,862,559, Cl. 19-66.00R.
- Napper, John C. Rehabilitation walker device. 4,861,051, 8-29-89, Cl. 280-87.021.
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  - Whigham, Robert H.; and Nappholz, Tibor A., 4,821,724, Cl. 128-419.00P.
- Naquin, Charles E. Abdominal exercise apparatus and method. 4,807,873, 2-28-89, Cl. 272-93.000.
- Nara, Fumio: *See—*
  - Mizuno, Hisayoshi; and Nara, Fumio, 4,833,741, Cl. 5-404.000.
- Nara, Hiroshi: *See—*
  - Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.
- Nara, Hisao: *See—*
  - Ase, Hajime; Fujii, Satoshi; Nara, Hisao; and Sakai, Masao, 4,847,056, Cl. 423-240.000.
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  - Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
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- Nara, Takeshi: *See—*
  - Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
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  - Nakamura, Ichiro; and Nara, Toshihiko. 4,830,146, Cl. 187-26.000.
- Nara, Yoshio: *See—*
  - Ishiguro, Yasuaki; Nara, Yoshio; and Araki, Yoshitaka, 4,849,819, Cl. 358-213.130.
- Narabayashi, Hirotaro: *See—*
  - Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
- Narad, James L. Hand-operated aircraft control system. 4,819,896, 4-11-89, Cl. 244-234.000.
- Naraghi, Ali R., to Champion Chemicals, Inc. Chelate catalyst system for H_2S removal from a gas stream. 4,880,609, 11-14-89, Cl. 423-226.000.
- Narahara, Takumi: *See—*
  - Ishiguro, Fujio; and Narahara, Takumi, 4,835,009, Cl. 427-126.200.
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- Narahara, Toshikazu: *See—*
  - Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, 4,886,858, Cl. 525-301.000.
  - Shoji, Mitsutoshi; Honjoo, Koo; Honma, Yoshiharu; Nakano, Fumio; and Narahara, Toshikazu, 4,828,924, Cl. 428-422.000.
- Narahara, Yasuji: *See—*
  - Inoue, Hiroshi; Hirano, Tetsuji; Muramatsu, Tadao; and Narahara, Yasuji, 4,869,861, Cl. 264-204.000.
  - Tabata, Kanzo; Inoue, Hiroshi; Muramatsu, Tadao; and Narahara, Yasuji, 4,839,217, Cl. 428-156.000.
- Naraki, Akihiro: *See—*
  - Okabe, Jun; Naraki, Akihiro; Abe, Masatoshi; and Tatsu, Haruyoshi, 4,831,085, Cl. 525-387.000.
- Narancic, Vojislav; and Fecteau, Gilles, to Hydro-Quebec. Fuse with a solid arc-quenching body made of non-porous rigid ceramic. 4,855,705, 8-8-89, Cl. 337-246.000.
- Narancsik, Pal: *See—*
  - Boros, Gyorgy; Gulacsy, Robert; Laszlo, Gyorgy; and Narancsik, Pal, 4,795,125, Cl. 249-78.000.
- Narang, Rajendra K. Oil and gas water heater. 4,869,232, 9-26-89, Cl. 126-361.000.
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- Narang, Saran A.; Goodchild, John; and Bukhari, Ahmad I., deceased (by Morgan, Christine K., administratrix), to Canadian Patents and Development Ltd.; and Cold Spring Harbor Laboratory. Transposable linkers to transfer genetic information. 4,830,965, 5-16-89, Cl. 435-172.300.
- Narang, Subhash C., to Fuji Photo Film Co., Ltd. Solid electrolyte. 4,888,257, 12-19-89, Cl. 429-192.000.
- Narasaki, Tom: *See—*
  - DeMoss, Dean; Richardson, Harvey J.; and Narasaki, Tom, 4,823,215, Cl. 360-98.020.
- Narasimhan, Krishnan: *See—*
  - Cho, Toshiaki; Narasimhan, Krishnan; and Bhat, Deepak G., 4,830,886, Cl. 427-249.000.
- Naratanan, Venkatachala: *See—*
  - Haugwitz, Rudiger D.; Naratanan, Venkatachala; Zalkow, Leon H.; Deutsch, Howard M.; and Gelbaum, Leslie, 4,803,202, Cl. 514-228.200.
- Narato, Kiyoshi: *See—*
  - Sohma, Kenichi; Azuhata, Shigeru; Narato, Kiyoshi; Inada, Tooru; Kobayashi, Hironobu; Arashi, Norio; and Miyadera, Hiroshi, 4,820,046, Cl. 356-328.000.
- Naravan, Thirumurti: *See—*
  - Riley, Robert E.; and Naravan, Thirumurti, 4,888,365, Cl. 521-157.000.
- Narayan, Jagdish: *See—*
  - Fan, John C. C.; Lee, Jhang W.; and Narayan, Jagdish, 4,863,877, Cl. 437-22.000.
  - Fan, John C. C.; Zavracky, Paul M.; Narayan, Jagdish; Allen, Lisa P.; and Vu, Duy-Phach, 4,885,052, Cl. 156-620.700.
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  - Curtis, R. Eugene; Narayanan, G. Hari; and Quist, William E., 4,840,682, Cl. 148-12.70A.
- Narayanan, Krishna; and Liang, Marc D., to Montefiore Hospital Association of Western Pennsylvania, The. Method for performing small vessel anastomosis. 4,803,984, 2-14-89, Cl. 128-334.00R.
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  - Yacobucci, Paul D.; Gerard, Jesse T.; and Narayanan, Pallassana V., 4,849,291, Cl. 428-422.000.
- Narayanan, Venkatachala L.: *See—*
  - Baker, David C.; Hand, Ellis S.; Haugwitz, Rudiger D.; and Narayanan, Venkatachala L., 4,816,468, Cl. 514-344.000.
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- Narbel, Philippe M.: *See—*
  - Weith, Andrr J.; and Narbel, Philippe M., 4,818,765, Cl. 514-440.000.
- Narbert, Franklin V.: *See—*
  - Ackermann, Manfred; and Narbert, Franklin V., 4,817,544, Cl. 112-141.000.
- Narciso, Steven J., to Hewlett-Packard Company. Method and apparatus for reduced settling time in a filter for a DC voltage. 4,831,377, 5-16-89, Cl. 341-118.000.
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  - Bongiorno, Robert A.; and Smith, John F., 4,843,399, Cl. 342-404.000.
- Nardi, Dante: *See—*
  - Leonardi, Amedeo; Pennini, Renzo; Cazzulani, Pietro; and Nardi, Dante, 4,806,534, Cl. 514-233.500.
- Nardis, Frank E.: *See—*
  - Barnes, Christine B.; Martin, Thomas E.; and Nardis, Frank E., 4,821,760, Cl. 137-82.000.
- Nardone, Vincent C.: *See—*
  - Prewo, Karl M.; Nardone, Vincent C.; and Strife, James R., 4,808,485, Cl. 428-582.000.
  - Prewo, Karl M.; Nardone, Vincent C.; and Strife, James R., 4,885,212, Cl. 428-552.000.
- Narducy, Kenneth W.; Jahnke, Richard L.; and Loshaek, Samuel, to Schering Corporation. Hydrophilic colored contact lenses. 4,857,072, 8-15-89, Cl. 8-507.000.
- Nareau, Robert H.: *See—*
  - McElheny, Donald C.; Ponivas, Dale A.; Syracuse, David A.; Chandler, Stephen H.; and Nareau, Robert H., 4,801,912, Cl. 336-84.00M.
- Naren, David: *See—*
  - Tam, Aloysius; Wong, Thomas S.; Wang, David; and Naren, David, 4,805,149, Cl. 365-155.000.
- Narendra, Patrenahalli M.; Fant, Karl M.; and Graf, Carl P., to Honeywell, Inc. Human engineered remote driving system. 4,855,822, 8-8-89, Cl. 358-103.000.
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  - Premerlani, William J.; Musser, David R.; and Narendran, Paliath, 4,872,126, Cl. 364-578.000.
- Narey, James O., to Business Records Corporation. Ballot for use in automatic tallying apparatus and method for producing ballot. 4,813,708, 3-21-89, Cl. 283-5.000.
- Narhi, Donald E.: *See—*
  - Stultz, Robert D.; and Narhi, Donald E., 4,868,833, Cl. 372-11.000.
- Narikawa, Shiro: *See—*
  - Hayakawa, Takashi; Nojima, Hideo; Kojima, Yoshimi; Narikawa, Shiro; Matsuyama, Toshiro; Imada, Eiji; and Ehara, Shaw, 4,853,309, Cl. 430-65.000.
- Nariki, Hiroshi; Yuri, Haruyki; and Ibane, Isao, to Hokkai Can Co., Ltd. Device for feeding can barrels. 4,830,169, 5-16-89, Cl. 198-345.000.
- Narimatsu, Akihiro: *See—*
  - Okushima, Hiromi; Narimatsu, Akihiro; Kobayashi, Makio; Furuya, Rikizo; and Kitada, Yoshimi, 4,822,797, Cl. 514-252.000.
- Narimatsu, Osamu; Ito, Michiyasu; Komatsu, Kazuyoshi; and Shibata, Yasuhiro, to Mitsui Toatsu Chemicals, Incorporated. Wafer processing film. 4,853,286, 8-1-89, Cl. 428-343.000.
- Narisada, Kimiyuki: *See—*
  - Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.
- Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, to Shionogi & Co., Ltd. Bicyclic sulfonamide derivatives. 4,861,913, 8-29-89, Cl. 562-427.000.
- Narita, Akira: *See—*
  - Kato, Hideo; Iwahashi, Hiroshi; Asano, Masamichi; Narita, Akira; and Kikuchi, Shinichi, 4,804,929, Cl. 331-57.000.
- Narita, Harufumi; and Kanemori, Reiji, to Nippon I.C.S. Kabushiki Kaisha. Perfecting printer with turnover unit. 4,810,120, 3-7-89, Cl. 400-624.000.
- Narita, Haruyoshi: *See—*
  - Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, 4,849,279, Cl. 428-224.000.
- Narita, Hirokazu: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
  - Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
- Narita, Hiroshi; Uemura, Minoru; and Mori, Yoshitada, to Sapporo Breweries, Ltd. Microscope with automatic sweeping device. 4,824,229, 4-25-89, Cl. 350-531.000.
- Narita, Hiroshi, to Du Pont de Nemours, E. I., and Company. Header device. 4,836,790, 6-6-89, Cl. 439-68.000.
- Narita, Kenichi: *See—*
  - Nomura, Isao; Narita, Kenichi; and Kurokawa, Masashi, 4,822,846, Cl. 524-538.000.
- Narita, Ko: *See—*
  - Toyama, Koichi; Narita, Ko; and Nonaka, Toshihito, 4,809,668, Cl. 123-609.000.
- Narita, Masanori: *See—*
  - Oikawa, Akio; and Narita, Masanori, 4,834,422, Cl. 280-751.000.
- Narita, Mitsuru, to Fuji Electric Co., Ltd. Layered photosensitive material for electrophotography comprising selenium, arsenic and tellurium. 4,868,077, 9-19-89, Cl. 430-58.000.
- Narita, Mitsuru: *See—*
  - Kasahara, Masahiko; and Narita, Mitsuru, 4,837,099, Cl. 430-58.000.
  - Kitagawa, Seizo; and Narita, Mitsuru, 4,880,717, Cl. 430-58.000.
- Narita, Noritsugu: *See—*
  - Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, 4,883,902, Cl. 560-75.000.
  - Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makoto, 4,885,382, Cl. 560-75.000.
- Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, to Nippondenso Co., Ltd. Semiconductor element sealing structure. 4,812,897, 3-14-89, Cl. 357-72.000.
- Narita, Ryuho; Kako, Hidenori; and Imamura, Humihiro, to Kabushiki Kaisha Toshiba. Magnetron drive apparatus. 4,858,095, 8-15-89, Cl. 363-21.000.
- Narita, Senichi: *See—*
  - Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, 4,874,760, Cl. 514-234.200.
- Narita, Shinichi: *See—*
  - Kawagishi, Yoji; Narita, Shinichi; Kiriu, Takashi; and Yamanaka, Schunichiro, 4,826,749, Cl. 430-110.000.
- Narita, Tadashi: *See—*
  - Hasegawa, Hiroshi; Shioiri, Noriaki; Narita, Tadashi; and Katori, Tatsuhiko, 4,876,359, Cl. 548-533.000.
- Narita, Takato: *See—*
  - Kawakami, Hiroshi; and Narita, Takato, 4,805,035, Cl. 358-310.000.
- Narita, Terutaka: *See—*
  - Hojo, Sadamune; Iwamoto, Toshiyuki; Arakawa, Noriyuki; and Narita, Terutaka, 4,863,199, Cl. 285-232.000.
- Narita, Toshihide; and Kadokawa, Yoshio, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Pitching control system for a skid steer vehicle. 4,837,694, 6-6-89, Cl. 364-426.010.
- Narita, Yasushi, to Nissan Motor Company, Ltd. Hydraulic pressure control for reducing engagement shock of automatic transmission. 4,845,618, 7-4-89, Cl. 364-424.100.
- Narita, Yoshihiro; Takimoto, Hiroshi; and Sano, Hideo, to Mitsubishi Chemical Industries Limited. Process for preparation of water soluble dyes containing lithium sulfonate group or ammonium sulfonate group by cation exchange, neutralization and reverse osmosis. 4,808,192, 2-28-89, Cl. 8-527.000.
- Narita, Yoshinori; and Kawamura, Mitsuyoshi, to NGK Spark Plug Co., Ltd. Engine cylinder head with precombustion chambers using porous ceramics insert. 4,873,952, 10-17-89, Cl. 123-270.000.
- Narita, Yoshinori: *See—*
  - Matsuura, Tooru; and Narita, Yoshinori, 4,881,498, Cl. 123-90.390.
  - Taniguchi, Masato; and Narita, Yoshinori, 4,828,009, Cl. 164-98.000.
- Narita, Yousuke: *See—*
  - Yamanaga, Junichi; Gunji, Keiichiro; Narita, Yousuke; Nagasawa, Toshiaki; and Kawabata, Yoshifumi, 4,794,690, Cl. 29-709.000.
- Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, to Hitachi, Ltd. Circuit substrate and thermal printing head using the same. 4,806,725, 2-21-89, Cl. 219-216.000.
- Narjes, Ferdinand: *See—*
  - Weimert, Guenter; and Narjes, Ferdinand, 4,858,222, Cl. 370-13.000.
- Narkon, Glennwood H.; and Orkin, Stanley S., to Kamatics Corporation. Self-aligning track roller. 4,842,424, 6-27-89, Cl. 384-203.000.
- Naron, Steven E.; Branan, John M.; and Marin, Gerald A. Multicast data distribution system and method. 4,807,224, 2-21-89, Cl. 370-94.000.
- Narr, Berthold; Hauel, Norbert; Noll, Klaus; Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; van Meel, Jacques; and Diederen, Willi, to Dr. Karl Thomae GmbH. Imidazo-benzoxazinones, the preparation thereof and pharmaceutical compositions containing these compounds. 4,831,027, 5-16-89, Cl. 514-212.000.
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  - Heckel, Armin; Nickl, Josef; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,870,076, Cl. 514-252.000.
  - Heider, Joachim; Psiorz, Manfred; Bomhard, Andreas; Hauel, Norbert; Narr, Berthold; Noll, Klaus; Lillie, Christian; Kobinger, Walter; and Dammgen, Jurgen, 4,871,735, Cl. 514-213.000.

Nickl, Josef; Heckel, Armin; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,820,705, Cl. 514-247.000.

Nartron Corporation: *See—*

Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and McKendry, Arthur R., 4,825,385, Cl. 364-513.500.

Dolph, Darrel A.; Demski, Leonard W.; Taylor, Robert E.; and Loisel, Jean-Marie, 4,882,586, Cl. 341-169.000.

Ingraham, Ronald D., 4,831,279, Cl. 307-116.000.

Schnars, Michael J.; Dolph, Darrel A.; and Liu, Yu-Jih, 4,797,924, Cl. 381-43.000.

Wilhelm, Daniel D., 4,841,198, Cl. 315-82.000.

Narui, Mamoru: *See—*

Nakagawa, Tatsushi; Narui, Mamoru; and Sakanaka, Yasuhiro, 4,871,815, Cl. 525-344.000.

Narui, Satoshi: *See—*

Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaka, Eiichi; and Narui, Satoshi, 4,803,238, Cl. 524-486.000.

Takahashi, Naoya; Narui, Satoshi; and Matsuzaka, Eiichi, 4,879,269, Cl. 503-213.000.

Narukawa, Akira, to NGK Insulators, Ltd. Apparatus for automatically measuring ignition loss. 4,846,292, 7-11-89, Cl. 177-50.000.

Narukawa, Akira; and Kosegawa, Yoshimoto, to NGK Insulators, Ltd. Apparatus for weighing powder materials. 4,867,258, 9-19-89, Cl. 177-116.000.

Narukawa, Atsushi; and Nishiyama, Haruo, to Sharp Kabushiki Kaisha. Document size detector for copying machine. 4,823,165, 4-18-89, Cl. 355-75.000.

Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, to Tonen Sekiyukagaku Kabushiki Kaisha; and Nippondenso Co., Ltd. Polyolefin composition containing cellulose fibers and a deodorizer. 4,833,181, 5-23-89, Cl. 524-13.000.

Narukawa, Kiyotada: *See—*

Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, 4,801,651, Cl. 525-195.000.

Komatsu, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotada; and Kanai, Tsuyoshi, 4,873,288, Cl. 525-194.000.

Narukawa, Osamu: *See—*

Kaneshiki, Toshitaka; Narukawa, Osamu; Haneda, Tadayoshi; and Endo, Toshiyuki, 4,873,383, Cl. 570-211.000.

Naruki, Kenichi: *See—*

Fukumoto, Hiroshi; Namura, Koji; Naruki, Kenichi; and Une, Ryuzo, 4,878,772, Cl. 400-120.000.

Une, Ryuzo; and Naruki, Kenichi, 4,829,320, Cl. 346-76.0PH.

Naruki, Toshimasa, to Mitsubishi Denki Kabushiki Kaisha. Recording and reproducing disc driving apparatus. 4,823,213, 4-18-89, Cl. 360-78.120.

Narula, Dipak; and Swihart, Terence J., to Dow Corning Corporation. Water-based silicone-organic polymer compositions and method therefor. 4,803,233, 2-7-89, Cl. 524-58.000.

Narula, Dipak, to Dow Corning Corporation. Bi-modal silicone emulsions, silicone emulsification process and emulsions therefrom. 4,874,547, 10-17-89, Cl. 252-312.000.

Narula, Onkar S. Method and apparatus for localized thermal ablation. 4,869,248, 9-26-89, Cl. 128-303.130.

Narula, Onkar S. Catheter. 4,882,777, 11-21-89, Cl. 604-281.000.

Narum, Henning, to A/S Raufoss Ammunisjonsfabrikker. Valve actuator system for controlling valves. 4,815,295, 3-28-89, Cl. 60-632.000.

Narumi China Corporation: *See—*

Kuratani, Shusei; Uno, Kohichi; Mizuno, Shinya; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,843,038, Cl. 501-98.000.

Mizuno, Shinya; Kuratani, Shusei; Uno, Kohichi; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,833,108, Cl. 501-98.000.

Nishigaki, Susumu; Fukuda, Junzo; Yano, Shinsuke; and Kawabe, Hiroshi, 4,795,670, Cl. 428-209.000.

Tatsuki, Kouichi; Murano, Kanji; and Nishigaki, Susumu, 4,849,384, Cl. 501-134.000.

Yano, Shinsuke; Nishigaki, Susumu; Kato, Hiroshi; and Nonomura, Toshio, 4,824,813, Cl. 501-139.000.

Narumi, Toshikatu: *See—*

Takahashi, Jun; Fukushima, Shigeru; Narumi, Toshikatu; Itoh, Ken-ich; and Ogawa, Seiya, 4,822,634, Cl. 427-48.000.

Narumiya, Shuh; Hayaishi, Osamu; Kimura, Yoshiharu; and Tsuboshima, Masami, to Research Development Corporation of Japan; and Tsuboshima, Masami. Prostaglandin derivatives. 4,812,457, 3-14-89, Cl. 514-226.200.

Narumiya, Yoshikazu: *See—*

Moro, Hideharu; and Narumiya, Yoshikazu, 4,882,224, Cl. 428-403.000.

Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; and Moriya, Ikuro, to Fuji Photo Film Co., Ltd. Stacked filter cartridge with porous filter support. 4,871,456, 10-3-89, Cl. 210-321.840.

Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, to Fuji Photo Film Co., Ltd. Plate-type filter cartridge with internal support. 4,876,007, 10-24-89, Cl. 210-339.000.

Naruo, Kyoichi: *See—*

Ohara, Shinichiro; and Naruo, Kyoichi, 4,837,127, Cl. 430-270.000.

Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, 4,840,733, Cl. 210-500.410.

Naruoka, Takao; and Iwasaki, Eiji, to Toyota Jidosha Kabushiki Kaisha. Device for locking rotation of an eccentric bearing of a compression ratio changing device. 4,830,517, 5-16-89, Cl. 384-255.000.

Naruoka, Takao: *See—*

Katoh, Kenji; Naruoka, Takao; and Iwasaki, Eiji, 4,834,031, Cl. 123-48.00R.

Narusawa, Sadayuki, to Nippon Gakki Seizo Kabushiki Kaisha. Rotation speed detection circuit in a video disc playback device for detecting a state in which the rotation speed is double a normal speed. 4,823,203, 4-18-89, Cl. 358-342.000.

Narusawa, Sadayuki: *See—*

Aoshima, Shinzi; and Narusawa, Sadayuki, 4,815,063, Cl. 369-50.000.

Narusawa, Toshiaki: *See—*

Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.

Narusawa, Tuneo: *See—*

Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

Naruse, Haruhiko: *See—*

Kimura, Rokusaburo; Watari, Yoshie; Nakayama, Satoshi; and Naruse, Haruhiko, 4,825,486, Cl. 5-453.000.

Naruse, Hideaki: *See—*

Morimoto, Kiyoshi; and Naruse, Hideaki, 4,851,325, Cl. 430-372.000.

Ohki, Nobutaka; Seto, Nobuo; Naruse, Hideaki; Yagihara, Mono Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hirosh 4,801,521, Cl. 430-380.000.

Naruse, Humio, to Nihon Shinku Gijutsu Kabushiki Kaisha. Fine particle collector arrangement for vacuum pumps. 4,832,715, 5-23-89, Cl. 55-193.000.

Naruse, Humio: *See—*

Maeba, Yoshiyasu; Toyoda, Satoru; and Naruse, Humio, 4,816,04 Cl. 55-209.000.

Naruse, Jun: *See—*

Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, 4,795,928, Cl. 310-13.000.

Naruse, Katutoshi: *See—*

Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Nom Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.

Naruse, Kazuhiko; Kataoka, Akira; Hirano, Masayasu; and Taka Naoya, to Minolta Camera Kabushiki Kaisha. Optical signal receiving apparatus with compensation for peripheral light. 4,821,338, 4-11-89, Cl. 455-617.000.

Naruse, Kazuhiko; and Yasumoto, Hidetoshi, to Minolta Camera Kabushiki Kaisha. Light source device. 4,857,967, 8-15-89, Cl. 355-69.000.

Naruse, Kazuo; Kitano, Mikio; and Tobita, Hideaki, to Toyota Jidosha Kabushiki Kaisha. System for positioning automotive vehicle side body. 4,802,616, 2-7-89, Cl. 228-4.100.

Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, to Toyota Jidosha Kabushiki Kaisha. Pallet transfer apparatus. 4,825,770, 5-2-89, Cl. 104-162.000.

Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, to Toyota Jidosha Kabushiki Kaisha. Apparatus for transferring work pieces between stations in an assembly line. 4,860,663, 8-29-89, Cl. 104-162.000.

Naruse, Kohji: *See—*

Ono, Mamoru; Naruse, Kohji; and Okazaki, Toshio, 4,797,513, Cl. 174-153.00G.

Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Kohji, 4,814,028, Cl. 156-48.000.

Naruse, Koji: *See—*

Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Koji, 4,822,434, Cl. 156-48.000.

Naruse, Nobutaka; and Minari, Katsunobu, to Hoshizaki Electric Co., Ltd. Refrigerating apparatus. 4,854,130, 8-8-89, Cl. 62-352.000.

Naruse, Nobutaka: *See—*

Sakai, Tadashi; Ogata, Shozo; and Naruse, Nobutaka, 4,869,076, Cl. 62-347.000.

Naruse, Osamu; Ishikawa, Chuji; Kakeno, Sadao; and Iwasaki, Kyuhachiro, to Ricoh Company, Ltd. Ink-jet printer with an encased printer head unit. 4,800,398, 1-24-89, Cl. 346-75.000.

Naruse, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, to Ricoh Company, Ltd. Charge and deflection control type ink jet printer. 4,847,631, 7-11-89, Cl. 346-75.000.

Naruse, Yuji: *See—*

Konishi, Satoshi; Nagasaki, Takanori; Yokogawa, Nobuhisa; and Naruse, Yuji, 4,859,427, Cl. 422-159.000.

Narushima, Tuneo: *See—*

Azuma, Masashi; Narushima, Tuneo; and Ishihara, Takashi, 4,795,613, Cl. 422-64.000.

Narutako, Yozo: *See—*

Kozaki, Shyuichi; Ichimura, Yukiko; and Narutako, Yozo, 4,856,875, Cl. 350-341.000.

Narutani, Tetsu: *See—*

Sone, Yuji; Wada, Kayoko; Kurahashi, Hayao; Nakai, Yoichi; Narutani, Tetsu; and Suzuki, Shigeharu, 4,859,287, Cl. 204-1.00T.

Naruto, Shunsuke: *See—*

Uno, Hitoshi; Kurokawa, Mikio; Sato, Fuminori; Naruto, Shunsuke; and Masuda, Yoshinobu, 4,889,858, Cl. 514-254.000.

Narvaez, Mary G.: *See—*

Narvaez, Michael J.; Narvaez, Mary G.; and Cadmus, Christopher, 4,816,001, Cl. 446-370.000.

Narvaez, Michael J.; Narvaez, Mary G.; and Cadmus, Christopher, to N.C.C. Toy Company, Inc. Toy figure. 4,816,001, 3-28-89, Cl. 446-370.000.

Nasatka, Ralph G.; and Lippy, Michael. Hydraulic vehicle barricade and method. 4,818,136, 4-4-89, Cl. 404-6.000.

Nasatka, Ralph G. Underground vehicle barricade. 4,826,349, 5-2-89, Cl. 404-6.000.

Nasatka, Ralph G.; and Smith, James H. Hydraulic spring vehicle barricade and hydraulic circuit therefor. 4,850,737, 7-25-89, Cl. 404-6.000.

Nasby, Charles L., Jr., to Span-Dock, Inc. Anchor and hinge arrangement for docks. 4,804,298, 2-14-89, Cl. 405-218.000.

Nasby, James A. Wardrobe color coordination kit. 4,854,880, 8-8-89, Cl. 434-395.000.

Nase, Frank: *See—*

Nase, Michael; and Nase, Frank, 4,863,111, Cl. 242-74.000.

Nase, Michael; and Nase, Frank. Film reel with film-threading tensioning flange. 4,863,111, 9-5-89, Cl. 242-74.000.

Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, to Siemens Aktiengesellschaft. Extracorporeal shock wave source with a piezoelectric generator. 4,823,773, 4-25-89, Cl. 128-24.00A.

Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, to Siemens Aktiengesellschaft. Shock wave source with increased degree of effectiveness. 4,840,166, 6-20-89, Cl. 128-24.00A.

Naser, Georg; and Reichenberger, Helmut, to Siemens Aktiengesellschaft. Lithotripter comprising locating apparatus. 4,844,079, 7-4-89, Cl. 128-660.030.

Naser, Georg; Reichenberger, Helmut; and Schlee, Karl-Heinz, to Siemens Aktiengesellschaft. Shock wave tube with long service life. 4,878,488, 11-7-89, Cl. 128-24.00A.

Naser, Georg: *See—*

Reichenberger, Helmut; Naser, Georg; and Jahn, Helmut, 4,813,402, Cl. 108-24.00A.

Reichenberger, Helmut; and Naser, Georg, 4,813,415, Cl. 128-328.000.

Nash, Boyd B., to Independent Trailer & Repair, Inc. Self unloading multiple trailer arrangement. 4,856,804, 8-15-89, Cl. 280-430.000.

Nash, Dudley O.; Knight, Glenn L., Jr.; and Bertke, James H., to United States of America, Air Force. Band clamp apparatus. 4,840,026, 6-20-89, Cl. 60-271.000.

Nash Engineering Company, The: *See—*

Schultze, Walter J., 4,795,315, Cl. 417-68.000.

Schultze, Walter J.; and Olsen, Ole B., 4,850,808, Cl. 417-68.000.

Nash, James E.; and Heikkila, Kurt E., to Integrated Chemistries, Inc. Novel cleaning composition for removal of PCBS. 4,844,745, 7-4-89, Cl. 134-42.000.

Nash, James G.; and Shu, David B., to Hughes Aircraft Company. Computer vision architecture. 4,809,347, 2-28-89, Cl. 382-49.000.

Nash, James G., to Hughes Aircraft Company. Merged CCD/MOS integrated circuit. 4,811,270, 3-7-89, Cl. 364-760.000.

Nash, John; and Michels, Mark, to Kensey Nash Corporation. Stone destroying catheter and method of use. 4,811,735, 3-14-89, Cl. 128-305.000.

Nash, John: *See—*

Kensey, Kenneth; and Nash, John, 4,795,438, Cl. 604-22.000.

Nash, Lavonne. Extensible shampoo bowl designed for individual confined to a wheelchair. 4,821,347, 4-18-89, Cl. 4-516.000.

Nash Manufacturing Co.: *See—*

Robbins, William D., 4,824,139, Cl. 280-816.000.

Nash, Mark A.: *See—*

Smith, James E.; and Nash, Mark A., 4,838,404, Cl. 194-212.000.

Nash, Patrick L. Method and apparatus for computing surface coefficients of friction. 4,813,266, 3-21-89, Cl. 73-9.000.

Nash, Randy D.: *See—*

Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, 4,849,703, Cl. 328-63.000.

Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.

Nash, William D.: *See—*

Carlberg, Bob L.; Wolf, Nicholas O.; Pober, Kenneth W.; and Nash, William D., 4,860,829, Cl. 166-279.000.

Nash, William H.; and Bestel, Ernest F., to Cooper Industries, Inc. Vacuum interrupter. 4,839,481, 6-13-89, Cl. 200-144.00B.

Nashef, Aws S., to Baxter Travenol Laboratories, Inc. Calcification mitigation of implantable bioprostheses. 4,838,888, 6-13-89, Cl. 623-2.000.

Nashef, Aws S.; and Ahmed, Ahmed I., to Baxter International Inc. Surfactant treatment of implantable biological tissue to inhibit calcification. 4,885,005, 12-5-89, Cl. 8-94.110.

Nashner, Lewis M.; Black, F. Owen; and Lilly, David J. Apparatus and method for determining the presence of vestibular perilymph fistulae and other abnormal coupling between the air-filled middle ear and the fluid-filled inner ear. 4,830,024, 5-16-89, Cl. 178-787.000.

Nashua Corporation: *See—*

Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., 4,822,416, Cl. 106-21.000.

Langlais, George O.; Wang, Pat Y. H.; and Chaplick, Joseph S., 4,822,769, Cl. 503-214.000.

Nashville Wire Products Mfg. Co., Inc.: *See—*

Brown, Billy R.; and Anderson, A. Edwin, 4,807,765, Cl. 211-162.000.

Nasim, Anwar: *See—*

Eratt, Judy A.; and Nasim, Anwar, 4,870,014, Cl. 435-172.300.

Naslund, Erik I.: *See—*

Heaney, Richard; and Naslund, Erik I., 4,883,449, Cl. 493-43.000.

Naslund, Ulf W., to Aktiebolaget Electrolux. Arrangement for control of the stroke length. 4,850,824, 7-25-89, Cl. 417-500.000.

Naso, Frank: *See—*

Naso, Michael; and Naso, Frank, 4,798,352, Cl. 242-74.000.

Naso, Michael; and Naso, Frank. Film reel having film-threadable film-retaining core. 4,798,352, 1-17-89, Cl. 242-74.000.

Nason, Clyde K.; and Pelmulder, John P., to Pacesetter Infusion, Ltd. Mechanical drive system for a medication infusion system. 4,850,817, 7-25-89, Cl. 417-362.000.

Nason, Frederic L. Laboratory kit. 4,803,048, 2-7-89, Cl. 422-58.000.

Nason, Robert W.: *See—*

Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.

Nass, Inc.: *See—*

McGinnis, Francis K., III; and Enright, John F., III, 4,802,424, Cl. 110-250.000.

Nass, Ludvig. Pump for liquids and gases. 4,840,546, 6-20-89, Cl. 417-403.000.

Nassar, Jihad. Sofa which can be converted to a bed. 4,825,483, 5-2-89, Cl. 5-12.00R.

Nassar, Munir N.; Agharkar, Shreeram N.; and Bogardus, Joseph B. Stable injectable antiemetic compositions. 4,882,356, 11-21-89, Cl. 514-219.000.

Nasser, Karim W. Mini air meter for fresh concrete. 4,866,977, 9-19-89, Cl. 73-19.000.

Nassif, George, to Corpak, Inc. Rotor for peristaltic pump. 4,832,584, 5-23-89, Cl. 417-477.000.

Nassim, Michael A.; and Raphael, Richard A., to Fisons PLC. Nedocromil calcium and use thereof in treatment of reversible obstructive airways disease. 4,849,427, 7-18-89, Cl. 514-291.000.

Nassimbene, Ernie G.: *See—*

Chew, David W.; Hagenlocher, Willi A.; Jih, Chentung R.; and Nassimbene, Ernie G., 4,839,756, Cl. 360-105.000.

Nassler, Peter, to Siemens Aktiengesellschaft. Hearing aid with cerumen trapping gap. 4,879,750, 11-7-89, Cl. 381-68.600.

Nassler, Peter: *See—*

Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, 4,834,927, Cl. 264-134.000.

Birkholz, Ulrich; Haertl, Christof; and Nassler, Peter, 4,840,249, Cl. 181-129.000.

Nassr, Mahmoud: *See—*

Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818,816, Cl. 536-55.200.

Nasta Industries, Inc.: *See—*

Steinberg, Gerald, 4,834,376, Cl. 273-26.00B.

Nasu, Atsushi. Combustion aids. 4,852,992, 8-1-89, Cl. 44-50.000.

Nasu, Katsuaki: *See—*

Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.

Nasu, Kenichi; Kawai, Kazuo; and Matsuo, Yoshihiro, to Toyo Radiator Co., Ltd.; and Honda Giken Kogyo Kabushiki Kaisha. Oil cooler assembly with integrated oil filter for internal combustion engine. 4,831,980, 5-23-89, Cl. 123-196.00A.

Nasu, Masahiro; and Abe, Kiyoto, to Alps Electric Co., Ltd. Read/-write magnetic disk apparatus operable in plural density modes. 4,805,047, 2-14-89, Cl. 360-65.000.

Nasu, Masahiro; and Abe, Kiyoto, to Alps Electric Co., Ltd. Change-over writing circuit for magnetic disk apparatus operable at plural densities. 4,882,639, 11-21-89, Cl. 360-65.000.

Nasu, Masaki; Katori, Shigetatsu; Maehashi, Yukio; and Yoshizawa, Kazutoshi, to NEC Corporation. Serial bus interface system for data communication using two-wire line as clock bus and data bus. 4,847,867, 7-11-89, Cl. 375-36.000.

Nasu, Masaru: *See—*

Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.

Nasu, Mineji: *See—*

Furusaki, Keizo; Nasu, Mineji; Matsuura, Toshitaka; Takami, Akio; and Okawa, Teppei, 4,857,275, Cl. 422-98.000.

Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.

Nasu, Shogo; and Saiki, Koji, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Perpendicular magnetic storage medium. 4,797,330, 1-10-89, Cl. 428-694.000.

Nasu, Shoichi; and Onishi, Yasuo, to Ushio Denki Kabushiki Kaisha. Low starting voltage short-arc discharge lamp. 4,804,888, 2-14-89, Cl. 313-595.000.

Nasu, Shoji; Nishimoto, Yoshiro; Yasukuni, Hiroaki; and Iwasaki, Masayoshi, to Kabushiki Kaisha Kobe Seiko Sho. Signal processing method for an electromagnetic induction test. 4,823,082, 4-18-89, Cl. 324-232.000.

Nasu, Tetsuji; and Shiina, Jun, to Nissan Motor co., Ltd. Modular vehicle body. 4,874,200, 10-17-89, Cl. 296-197.000.

Nasu, Tetsuzi: *See—*

Sasaki, Michiaki; Mochida, Haruo; and Nasu, Tetsuzi, 4,815,436, Cl. 123-520.000.

Nasu, Yasunobu; and Uchida, Haruhiko, to Nippon Kayaku Kabushiki Kaisha. Deoxygenating composition. 4,836,952, 6-6-89, Cl. 252-188.280.

Nasvytis, Pius J., to Colt Industries, Inc. Side channel self priming fuel pump having reservoir. 4,804,313, 2-14-89, Cl. 415-53.00T.

- Nataf, Philippe: *See*—
  - Jacubert, Serge; Boudot, Bernard; and Nataf, Philippe, 4,831,964, Cl. 118-725.000.
- Natako, Tatsuaki, to University of Iowa Research Foundation. Rapid sediment analyzer. 4,794,789, 1-3-89, Cl. 73-61.400.
- Natale, Anthony; Newman, Eugene E.; and Natale, Thomas, to GPAC, Inc. Fire condition detection and control system for air moving and filtering units. 4,818,970, 4-4-89, Cl. 340-539.000.
- Natale, Anthony; and Natale, Thomas, to GPAC, Inc. Asbestos removal glove. 4,884,374, 12-5-89, Cl. 51-391.000.
- Natale, Guzzetti, to Meccanica Comasca S.R.L. Slitting and winding machine for tapes. 4,846,416, 7-11-89, Cl. 242-56.00A.
- Natale, Thomas, to GPAC, Inc. Portable containment device for treatment of hazardous materials. 4,812,700, 3-14-89, Cl. 312-1.000.
- Natale, Thomas, to GPAC, Inc. Asbestos scraper. 4,888,846, 12-26-89, Cl. 15-236.010.
- Natale, Thomas: *See*—
  - Natale, Anthony; Newman, Eugene E.; and Natale, Thomas, 4,818,970, Cl. 340-539.000.
  - Natale, Anthony; and Natale, Thomas, 4,884,374, Cl. 51-391.000.
- Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Kholmovsky, Alexandr S.; and Nikonchuk, Andrei N. Mold for making annular polymeric articles. 4,867,661, 9-19-89, Cl. 425-34.200.
- Natalie, Charles A.; Bates, Julianne; and Vukasovich, Mark S., to AMAX Inc. Method of rendering aluminum base metal resistant to water staining. 4,846,898, 7-11-89, Cl. 428-469.000.
- Natalino, Masserini: *See*—
  - Attilio, Mazzucchelli; Natalino, Masserini; and Silvano, Vivaldi, 4,868,436, Cl. 310-67.00R.
- Natansohn, Samuel: *See*—
  - Rourke, William J.; Lai, Wen-Chao; and Natansohn, Samuel, 4,816,233, Cl. 423-21.500.
- Natarajan, Bangalore R.: *See*—
  - Bloomquist, Darrel R.; Natarajan, Bangalore R.; and Opfer, James E., 4,834,855, Cl. 204-192.150.
- Natarajan, Bharath, to International Business Machines Corp. Automated production dispatch system with feedback control. 4,866,628, 9-12-89, Cl. 364-468.000.
- Natarajan, Bharath, to International Business Machines Corporation. Automated system for estimating impact on inventory cost due to an engineering change to a component. 4,887,206, 12-12-89, Cl. 364-401.000.
- Natarajan, Bharath, to International Business Machines Corporation. Automated system for evaluating the sensitivity of inventory costs due to fluctuations in customer demand. 4,887,207, 12-12-89, Cl. 364-401.000.
- Natarajan, Bharath, to International Business Machines Corporation. Automated production release system. 4,887,218, 12-12-89, Cl. 364-468.000.
- Natarajan, K. M.: *See*—
  - Auerbach, Andrew B.; Paul, James L.; and Natarajan, K. M., 4,843,115, Cl. 524-100.000.
  - Kusumgar, Rajal; Natarajan, K. M.; and Amond, Carl A., 4,795,477, Cl. 8-471.000.
- Natarajan, Kadathur S.: *See*—
  - Mukherjee, Amar; Natarajan, Kadathur S.; and Stone, Harold S., 4,843,567, Cl. 364-513.000.
- Nate, Nobuyuki: *See*—
  - Ogata, Eiji; Ono, Koji; and Nate, Nobuyuki, 4,820,831, Cl. 568-33.000.
- Nate, Tatsuo; Oka, Koichi; and Satoh, Takehiko, to Sumitomo Metal Mining Company Ltd. Rare-earth element/cobalt type magnet powder for resin magnets. 4,865,660, 9-12-89, Cl. 148-301.000.
- NaTec, Ltd.: *See*—
  - Hooper, Richard G., 4,844,915, Cl. 423-235.000.
  - Rosar, Edward C.; and Day, Roger L., 4,815,790, Cl. 299-4.000.
- Nath, Gunther: *See*—
  - Kreitmair, Albert; and Nath, Gunther, 4,873,446, Cl. 250-492.100.
- Nathan, Guy; and Vicaine, Bernard, to Societe Nationale Elf Aquitaine. Circuit for controlling the switching of a motor and application to the variation of speed of the control circuit. 4,847,540, 7-11-89, Cl. 318-254.000.
- Nathan, Paul: *See*—
  - Korol, Bernard; and Nathan, Paul, 4,820,292, Cl. 435-32.000.
  - Korol, Bernard; and Nathan, Paul, 4,857,334, Cl. 424-445.000.
- Nathan, Ranga; Thompson, Andrea; and Seyedin, Saeid, to Collagen Corporation. Injectable composition for inductive bone repair. 4,863,732, 9-5-89, Cl. 424-95.000.
- Nathan, Ranga: *See*—
  - Chu, George; Nathan, Ranga; and Seyedin, Saeid, 4,888,366, Cl. 523-115.000.
- Nathan, Robert H.; and Hislop, Lawrence A., to NCR Corporation. Point of sale automatic back-up system and method. 4,873,631, 10-10-89, Cl. 364-405.000.
- Nathan, William P. Optical device with receiving means adjustable to view different portions of an image. 4,806,006, 2-21-89, Cl. 350-567.000.
- Nathans, Gene R.; and Rosenstein, Robert W., to Becton Dickinson and Company. Purification of antibodies. 4,841,024, 6-20-89, Cl. 530-387.000.
- Nathanson, Daniel: *See*—
  - Goldman, Melvin; and Nathanson, Daniel, 4,850,872, Cl. 433-215.000.
- Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., to Westinghouse Electric Corp. Transmit-receive means for phased-array active antenna system using rf redundancy. 4,823,136, 4-18-89, Cl. 342-368.000.
- Nathanson, James A., to General Hospital Corporation, The. Xanthine derivative pest control agents. 4,883,801, 11-28-89, Cl. 514-263.000.
- Nathanson, Robert M.: *See*—
  - Boyce, Douglas G.; Deleganes, Sam M.; Nathanson, Robert M.; and Bieber, Timothy E., 4,796,258, Cl. 371-16.000.
- Nathasingh, Davidson: *See*—
  - Silgailis, John; Nathasingh, Davidson; and Bruckner, Christopher A., 4,877,464, Cl. 148-108.000.
- Nathenson, Richard D.; Alexion, Christopher C.; and Sumpman, Wayne C., to Electric Power Research Institute Inc. Pump/intermediate heat exchanger assembly for a liquid metal reactor. 4,802,531, 2-7-89, Cl. 165-104.280.
- Nathenson, Richard D.; and Slepian, Robert M., to Westinghouse Electric Corp. Pump/heat exchanger assembly for pool-type reactor. 4,842,054, 6-27-89, Cl. 165-104.280.
- Nathenson, Richard D.: *See*—
  - Alexion, Christopher C.; Slepian, Robert M.; and Nathenson, Richard D., 4,808,080, Cl. 417-50.000.
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  - Ahl, Elvin L.; and Miller, James B., 4,811,033, Cl. 343-880.000.
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- National Aluminum Corporation: *See*—
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  - Ledley, Robert S., 4,798,210, Cl. 128-660.010.
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  - Schulz, Daniel R.; Warren, Benton B.; and Reed, Michael K., 4,860,219, Cl. 364-519.000.
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  - Ratner, Harvey; Ratner, Ronald; Seifert, Glenn A.; Selwyn, Stephen; and Zaro, Marvin, 4,824,237, Cl. 351-203.000.
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  - Weber, Hans B., 4,867,071, Cl. 105-4.100.
- National Child Safety Council: *See*—
  - Sommers, Valerie D., 4,871,341, Cl. 446-329.000.
- National Computer Print, Inc.: *See*—
  - Breen, Thomas J., 4,860,945, Cl. 229-69.000.
  - Copella, Robert A.; Flannery, Ann M.; Garrelts, David R.; and Krigers, Sandra I., 4,852,165, Cl. 380-24.000.
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  - Koch, Vernon F.; Fahnlander, John G.; and Wanninger, Lester A., 4,857,715, Cl. 235-456.000.
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  - Pardo, Jorge, 4,798,036, Cl. 52-293.000.
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- National Coupling Company, Inc.: *See*—
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  - Smith, Robert E., III, 4,817,668, Cl. 137-614.040.
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  - Coatrieux, Jean-Yvon; Cheminel, Daniel; and Thepaut, Bernard, 4,870,640, Cl. 370-60.000.
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  - Baugh, William D.; and Murib, Jawad H., 4,801,743, Cl. 562-519.000.
  - Hanes, Ronnie M., 4,831,183, Cl. 568-690.000.
  - Heimberg, Manfred; and Rekers, Louis J., 4,847,339, Cl. 526-80.000.
  - Hoyt, John M.; and Blazey, Steven D., 4,806,584, Cl. 524-376.000.
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  - McClain, Dorothee M., 4,820,803, Cl. 528-487.000.
  - Mertz, William J.; and Braun, Robert J., 4,824,990, Cl. 560-90.000.
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  - Patterson, Joseph R., Jr.; and Pyle, Lorrin W., 4,866,111, Cl. 524-32.000.
  - Scheben, John A., 4,866,188, Cl. 549-377.000.
  - Wasileski, John M., 4,840,900, Cl. 435-96.000.

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- National Federation of Agricultural Co-Operative Associations: *See*—
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- National Fluid Separators, Inc.: *See*—
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- National Forge Company: *See*—
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- National Gypsum Company: *See*—
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  - Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
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- National Jewish Center: *See*—
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- National Manufacturing Co.: *See*—
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- National Nuclear Corporation Limited: *See*—
  - Aspden, Garth J., 4,834,937, Cl. 376-377.000.
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  - Curzon, Andrew F., 4,859,400, Cl. 376-172.000.
  - Firth, George F.; and Hayden, Owen, 4,836,274, Cl. 165-11.100.
  - Kenworthy, Gordon; Mitchell, Colin H.; and Hawkins, Keith S., 4,879,089, Cl. 376-399.000.
- National Nuclear Corporation Limited Booths Hall: *See*—
  - Fenemore, Peter; and Boak, Reginald L., 4,795,606, Cl. 376-248.000.
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  - Cowan, William S.; and Galle, Edward M., Jr., 4,797,029, Cl. 405-170.000.
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  - Hawkins, Herman H., 4,809,733, Cl. 137-236.100.
  - Lynch, James E., 4,809,792, Cl. 175-113.000.
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  - Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael A., 4,861,767, Cl. 514-184.000.
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  - Affrossman, Stanley; Bakhshaee, Massoud; Pethrick, Richard A.; and Sherrington, David C., 4,885,344, Cl. 525-302.000.
  - Aitchison, Colin S., 4,845,440, Cl. 330-277.000.
  - Allen, William M.; Sansom, Bernard F.; Wilson, Alan D.; Prosser, Havard J.; and Groffman, David M., 4,880,628, Cl. 424-605.000.
  - Annis, David; Brown, Malcolm C.; and Sutherst, John R., 4,857,041, Cl. 600-30.000.
  - Brown, Richard C., 4,798,850, Cl. 521-134.000.
  - Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., 4,832,500, Cl. 366-268.000.
  - Byrne, Phillip O.; Sisson, Penelope R.; and Ingham, Harry R., 4,826,490, Cl. 604-198.000.
  - Carter, Timothy J. N.; Groucutt, Carol J.; Stott, Richard A. W.; Thorpe, Gary H. G. H.; and Whitehead, Thomas P., 4,842,997, Cl. 435-6.000.
  - Clark, Adrian P., 4,862,483, Cl. 375-94.000.
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  - Cobbold, Stephen P.; and Waldmann, Herman, 4,841,025, Cl. 530-387.000.
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  - Costall, Brenda, 4,877,800, Cl. 514-328.000.
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  - Davies, Donald W., 4,799,258, Cl. 380-21.000.
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  - Fray, Derek J., 4,800,069, Cl. 423-97.000.
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  - Fray, Derek J.; and Morris, David R., 4,879,005, Cl. 204-1.00T.
  - Frith, Barry; and Olatunbosun, Adeboye, 4,868,856, Cl. 378-86.000.
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  - Graham, Neil B.; McNeill, Marion E.; and Wood, David A., 4,814,182, Cl. 424-484.000.
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  - Green, Mino, 4,824,222, Cl. 350-357.000.
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  - Griffin, Tony K.; Grindal, Robert J.; and Marshall, Barry R., 4,803,950, Cl. 119-14.550.
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  - Laurence, Brian R.; and Pickett, John A., 4,844,892, Cl. 424-84.000.
  - Lee, Michael J., 4,847,211, Cl. 357-4.000.
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  - Lloyd, Alexander H., 4,829,575, Cl. 381-41.000.
  - Lowthian, Peter T., 4,819,288, Cl. 5-481.000.
  - Lupton, John M., 4,857,177, Cl. 209-466.000.
  - Mackley, Malcolm R.; and Sapsford, Gary S., 4,851,173, Cl. 264-204.000.
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  - Mansfield, Peter; and Coxon, Ronald J., 4,820,986, Cl. 324-322.000.
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  - McCague, Raymond, 4,839,155, Cl. 424-1.100.
  - McCracken, William; and Waddell, Alexander J., 4,823,053, Cl. 318-132.000.
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  - McGeehan, Joseph P.; and Bateman, Andrew, 4,802,191, Cl. 375-43.000.
  - Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; and Almond, Jeffrey W., 4,810,491, Cl. 424-88.000.

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  - Mitchell, Stephen W., 4,872,428, Cl. 123-90.170.
  - Mozley, Richard H., 4,799,920, Cl. 494-23.000.
  - Mozley, Richard H., 4,804,357, Cl. 494-23.000.
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  - Nicholson, John W.; and Wilson, Alan D., 4,873,130, Cl. 428-35.800.
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  - Rosenstiel, Stephen F.; and Deane, Edwin R. I., 4,824,367, Cl. 433-75.000.
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  - Scales, John T.; Bonfield, William; and Wright, Keith W. J., 4,828,564, Cl. 623-20.000.
  - Schram, Cornelius J., 4,877,516, Cl. 209-155.000.
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  - See, Chung W.; and Vaez-Iravani, Mehdi, 4,873,434, Cl. 250-235.000.
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  - Uda, Masahiro; Ohno, Satoru; and Okuyama, Hideo, 4,889,665, Cl. 264-10.000.
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  - Byrne, Robert C.; Ewanich, Jon T.; and Yu, Chee-Men, 4,833,102, Cl. 437-218.000.
  - Chapin, Jay R.; and Luich, Thomas M., 4,845,442, Cl. 330-310.000.
  - Chia, Chok J., 4,868,349, Cl. 174-52.400.
  - Cleeves, James M.; and Heard, James G., 4,883,772, Cl. 437-200.000.
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  - Garverick, Timothy L.; Yazdy, Farid A.; Henderson, Richard D.; and Meier, Webster B., 4,887,240, Cl. 361-222.000.
  - Guinea, Jesus; and Wong, Hee, 4,862,485, Cl. 375-120.000.
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  - Hilton, Robert; Emamjomeh, Ali; and Belani, Jagdish, 4,876,587, Cl. 357-70.000.
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  - Kertis, Robert A.; and Smith, Douglas D., 4,820,967, Cl. 323-314.000.
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  - Kowshik, Vikram; and Lucero, Elroy M., 4,858,185, Cl. 365-181.000.
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  - Krishna, Surinder; and Ramde, Amolak R., 4,804,634, Cl. 437-32.000.
  - Laverty, Gerald C., 4,798,305, Cl. 220-22.300.
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  - Mathew, Ranjan J.; and Lang, Billy J., II, 4,800,178, C 437-206.000.
  - Meadows, William H., 4,874,969, Cl. 307-355.000.
  - Menon, Suresh; and Murthi, Enjeti, 4,884,042, Cl. 331-113.00R.
  - Michael, Martin S.; Kanhere, Prashant A.; Burnley, Richard Iacobelli, Franco; and Chien, Ta-Wei, 4,823,312, Cl. 364-900.00
  - Michel, Jean-Yves, 4,806,874, Cl. 330-9.000.
  - Miller, Bernard D., 4,829,350, Cl. 357-23.130.
  - Miller, Herbert; and Harline, Richard D., 4,845,842, Cl. 29-827.00
  - Miller, William E., 4,835,416, Cl. 307-296.400.
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  - Millhollan, Michael S.; and Sung, Chiakang, 4,841,176, C 307-475.000.
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  - Needles, William M.; and Patchen, Paul J., 4,851,716, C 307-463.000.
  - Needles, William M., 4,878,058, Cl. 341-101.000.
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  - Riley, Paul E.; Kulkarni, Vivek D.; and Castel, Egil D., 4,839,31 Cl. 437-228.000.
  - Roberts, Scott; Tibbitts, Steven; and Snyder, Warren, 4,843,383, C 340-825.900.
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  - Skovmand, Timothy J., 4,803,612, Cl. 323-284.000.
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  - Suzuki, Hidehiko, 4,847,549, Cl. 323-288.000.
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  - Gillotte, Mark P., 4,805,787, Cl. 211-191.000.
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  - Koyari, Yukio; Sogame, Eiji; Kishimoto, Kanji; and Kakum Yojiro, 4,879,874, Cl. 60-259.000.
- National Standard Company: *See—*
  - Hawkins, Irwin F.; Rafferty, George A., Jr.; Hawkins, Mark C and Hawkins, Jeffrey S., 4,799,495, Cl. 128-754.000.
  - Rausch, Doyle W., 4,820,563, Cl. 428-35.800.
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  - Billmers, Robert L.; Del Giudice, David M.; Tessler, Martin M and Hasuly, Michael J., 4,839,449, Cl. 526-238.200.
  - Brady, Francis X.; and Kauffman, Thomas F., 4,816,306, C 428-36.920.
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  - Chiu, Chung-Wai; and Chua, Hunter, 4,871,572, Cl. 426-557.00
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  - Dust, Richard A.; and Causton, Peter, 4,889,884, Cl. 524-314.00
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  - Meier, Eric A., 4,845,305, Cl. 568-436.000.
  - Montague, Peter G.; and Bainbridge, Peter, 4,836,933, C 210-701.000.
  - Mudge, Paul R., 4,812,547, Cl. 526-301.000.

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  - Rossi, Robert D.; and Fenelli, Steven P., 4,849,546, Cl. 568-433.000.
  - Schoenberg, Jules E., 4,820,779, Cl. 525-533.000.
  - Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, 4,851,235, Cl. 426-33.000.
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  - Butcher, Ronald S.; and Khattab, Mohamed A., 4,802,420, Cl. 105-355.000.
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  - Hoffman, Donald B.; Linhart, Joseph J.; and Stoces, Raymond C., 4,886,247, Cl. 266-246.000.
  - Jancosek, David G.; Demorotski, Michael; and Noelting, Gregory, 4,845,332, Cl. 219-10.770.
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  - Hatta, Koichi; and Natsuhara, Akira, 4,864,530, Cl. 364-900.000.
  - Sumitani, Toshihiko; and Natsuhara, Akira, 4,811,257, Cl. 364-709.010.
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  - Ashizaki, Shigeya; Konosu, Osamu; Suzuki, Hiroshi; and Natsuhara, Masao, 4,831,309, Cl. 313-413.000.
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  - Enoguchi, Yuuji; Yamamoto, Masashi; and Natsuhara, Toshiya, 4,827,305, Cl. 355-259.000.
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  - Ishihara, Yasuoki; Obato, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,687, Cl. 420-13.000.
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  - Olsen, Fred; and Natvig, Birger J., 4,834,014, Cl. 114-265.000.
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  - Brown, Thomas R.; Natzke, Ronald C.; and Logan, Richard H., 4,794,813, Cl. 74-491.000.
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  - Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.
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  - Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.
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  - Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
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  - Kanaljuk, Viktor L.; Surakov, Anatoly M.; Chornogotsky, Vasily M.; and Shifrin, Lazar N., 4,880,944, Cl. 174-138.00E.
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  - Senyagin, Georgy V.; and Kazakov, Anatoly V., 4,802,328, Cl. 57-9.000.
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  - Babitsky, Vladimir I.; Gerts, Mikhail E.; Ivanov, Jury A.; Maiorov, Vladimir S.; Makarov, Nikolai S.; and Tresvyatsky, Alexandr N., 4,795,878, Cl. 219-121.800.

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  - Gainutdinova, Raisa V.; Jurov, Boris A.; Mazo, Bentsian M.; and Petrova, Vera M., 4,830,025, Cl. 128-839.000.
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  - Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., 4,811,797, Cl. 173-93.600.
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  - Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., 4,853,047, Cl. 148-905.000.
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  - Azarevich, Gennady M.; Akimov, Boris I.; and Kirsanova-Belova, Elena V., 4,805,431, Cl. 72-70.000.
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  - Kostylkov, Igor G.; Rogachev, Oleg V.; Zhukov, Igor A.; Zhizhin, Vladimir V.; and Soschin, David N., 4,828,816, Cl. 423-567.00A.
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  - Kolganov, Gennady S.; Volkov, Stanislav S.; Rudnev, Jury A.; Mizin, Vladimir G.; and Ivashina, Evgeny N., 4,818,281, Cl. 75-51.500.
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  - Gainutdinova, Raisa V.; Jurov, Boris A.; Mazo, Bentsian M.; and Petrova, Vera M., 4,807,610, Cl. 128-830.000.
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- Naujoks, Kurt W.: *See—*
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  - Bewley, Wilbur C., Jr.; Lahndorff, Kendell S.; and Nauman, Jeffrey M., 4,864,682, Cl. 15-371.000.
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  - Bellotti, Marc; Lueders, Arthur; Granzow, Daniel B.; Taylor, Larry C.; and Nauman, Mark, 4,882,496, Cl. 250-455.100.
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  - Senft, Ernst; Klemmer, Herbert; Uhl, Ullrich; Naumann, Emil; and Schefcsik, Nikolaus, 4,889,007, Cl. 74-506.000.
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  - Rodriquez, Riccardo, 4,871,332, Cl. 440-5.000.
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  - Lloyd, Ian, 4,836,759, Cl. 418-56.000.
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  - Vinciguerra, John D., 4,842,271, Cl. 272-118.000.
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  - Nava, Pier L., 4,796,309, Cl. 2-414.000.
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  - Hwang, Dah-min D.; and Nazar, Lawrence R., 4,885,051, Cl. 156-345.000.
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  Stewart, John W., 4,868,430, Cl. 307-602.000.
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  Szluk, Nicholas J.; and Fukumoto, Jay T., 4,799,097, Cl. 357-42.00
  Taylor, Billy K.; and James, Larry C., 4,823,324, Cl. 365-230.00
  Tipon, Donald G.; and Tran, Chinh V., 4,825,106, Cl. 307-451.00
  Vos, Gerardus J. F., 4,849,927, Cl. 364-900.000.
  Walker, Alan H.; Lewis, Bradley W.; and Bossack, Thomas J., 4,850,725, Cl. 400-236.200.
  Weeks, David E., 4,869,455, Cl. 248-674.000.
  Whiteley, David C.; Coffey, James B.; Montgomery, Timothy J.; and Dungan, Harvey H., 4,828,156, Cl. 226-1.000.
  Wildgoose, Ronald; Kay, John M.; and Blewett, James A., 4,816,652, Cl. 235-379.000.
  Yon, Steven A.; and Diaz, Luis A., 4,841,160, Cl. 307-66.000.
  Zur Muhlen, Art D.; and Brescia, Albert A., 4,852,042, Cl. 364-900.000.
NCS Diagnostics, Inc.: *See—*
  Kezes, C. Albert; Schmidt, F. Walter; and Buehler, Amey, 4,803,998, Cl. 128-759.000.
NDA International, Inc.: *See—*
  Lotsof, Howard S., 4,857,523, Cl. 514-214.000.
NDC Co., Ltd.: *See—*
  Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Ok Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.
NDC Technologies, Inc.: *See—*
  Holmquist, Fredrik, 4,858,132, Cl. 364-424.020.
NDE Technology, Inc.: *See—*
  Mastandrea, John R., 4,852,054, Cl. 364-509.000.
NDT Instruments, Inc.: *See—*
  Botsco, Ronald J.; Jones, Robert L.; and Methe, David E., 4,840,066, Cl. 73-597.000.
NEA Technologies, Inc.: *See—*
  Lockwood, Hanford N., Jr., 4,819,873, Cl. 239-8.000.

  Lockwood, Hanford N., Jr., 4,838,784, Cl. 432-58.000.
Neagle, Stuart L.: *See—*
  Gage, Douglas M.; and Neagle, Stuart L., 4,809,586, Cl. 91-6.000.
Neagu, Alexandru, to Maxon Industries, Inc. Level ride liftgate with ramping action platform. 4,836,736, 6-6-89, Cl. 414-557.000.
Neal, Brian P., to Bendix Limited. Gas drying apparatus. 4,816,047, 3-28-89, Cl. 55-316.000.
Neal, Charles B.: *See—*
  Stoughton, John W.; and Neal, Charles B., 4,799,107, Cl. 358-169.000.
Neal, Charles O., to DeRoyal Industries, Inc. Stay for orthopedic appliance for the knee. 4,886,053, 12-12-89, Cl. 128-80.00C.
Neal, Craig J.: *See—*
  Kroll, Clarence P.; Neal, Craig J.; and Trapp, Robert L., 4,831,683, Cl. 15-361.000.
Neal, James G.: *See—*
  Buyalos, Edward J.; Millure, David W.; Neal, James G.; and Rowan, Hugh H., 4,867,936, Cl. 264-210.600.
  Rowan, Hugh H.; and Neal, James G., 4,851,172, Cl. 264-130.000.
Neal, John D.: *See—*
  Helt, Robert W.; and Neal, John D., 4,850,198, Cl. 62-93.000.
Neal, Joseph H.: *See—*
  White, Lionel S., Jr.; Neal, Joseph H.; and Tran, Bao G., 4,868,823, Cl. 371-21.300.
Neal, Kyle R. Welding electrode can opener. 4,796,361, 1-10-89, Cl. 30-447.000.
Neal, Lewis G.; Haslbeck, John L.; and Tseng, Hsiaopin, to Noxso Corporation. Processes for removing nitrogen oxides, sulfur oxides and hydrogen sulfide from gas streams. 4,798,711, 1-17-89, Cl. 423-239.000.
Neal, Louis R.: *See—*
  DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Neal, Louis R.; Oglesby, Verdun W.; and Woodard, Robert W., 4,829,846, Cl. 74-547.000.
Neal, Martin, to Renishaw plc. Analogue-to-digital conversion apparatus. 4,851,843, 7-25-89, Cl. 341-139.000.
Neal, Michael G.; and Junge, David, to Vigoro Industries, Inc., and Junge Control, Inc. Automated batch blending system for liquid fertilizer. 4,863,277, 9-5-89, Cl. 366-137.000.
Neal, Peter F.: *See—*
  Clough, Richard S.; and Neal, Peter F., 4,844,688, Cl. 415-116.000.
Neal, Robert A.: *See—*
  Ray, Robert; Neal, Robert A.; Jaran, John R.; and Parker, Tim, 4,875,581, Cl. 206-328.000.
Neale, Christopher V.: *See—*
  Maitland, Arthur; Menown, Hugh; and Neale, Christopher V., 4,805,180, Cl. 372-61.000.
Neale, Michael J.; and Polak, Thomas A., to Collins Motor Corporation Limited. Interconnecting rotary and reciprocatory motion. 4,884,536, 12-5-89, Cl. 123-197.0AC.
Neale, Philip J.: *See—*
  Elger, Gordon; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,834,985, Cl. 424-488.000.
  Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,828,836, Cl. 424-419.000.
  Elger, Gordon A.; Leslie, Stewart T.; Malkowska, Sandra T. A.; Miller, Ronald B.; and Neale, Philip J., 4,844,907, Cl. 424-465.000.
  Heafield, Joanne; Leslie, Stewart T.; Malkowska, Sandra T. A.; and Neale, Philip J., 4,867,985, Cl. 424-461.000.
  Leslie, Stewart T.; Malkowska, Sandra T. A.; Marchant, Joanne; and Neale, Philip J., 4,844,910, Cl. 424-494.000.
Nealy, David L.; Wilkin, Louis A.; and Barlow, Fred D., Jr., to Eastman Kodak Company. Ink compositions and their preparation. 4,855,344, 8-8-89, Cl. 524-86.000.
Nealy, Robert B. Viewing device for flotation body. 4,844,595, 7-4-89, Cl. 350-319.000.
Neapco, Inc.: *See—*
  Dommel, Philip J., 4,859,110, Cl. 403-325.000.
Near, Timothy P.; Cieri, Joseph J.; and Holet, Kenneth M., to General Electric Company. Method for communicating data on a communication network by token passing. 4,799,052, 1-17-89, Cl. 340-825.500.
Neas, Edwin D.; and Floyd, Terry S., to CEM Corporation. Microwave-based apparatus and Kjeldahl method. 4,861,556, 8-29-89, Cl. 422-78.000.
Neas, Edwin D.; and Floyd, Terry S., to CEM Corporation. Digestion apparatus useful for a Kjeldahl method. 4,882,286, 11-21-89, Cl. 436-175.000.
Neat, Rosamund C.: *See—*
  Greenwood, John C.; Graves, Peter W.; and Neat, Rosamund C., 4,884,450, Cl. 73-702.000.
Neate, J. A.: *See—*
  Danforth, R. L.; Gergen, W. P.; and Neate, J. A., 4,857,147, Cl. 162-156.000.
Neault, Garrett J.: *See—*
  Primavera, Stephen W.; Burbank, John J., Jr.; and Neault, Garrett J., 4,883,588, Cl. 210-117.000.
Neaves, Bryan D.; Hill, Frederick W. L.; and Cross, Malcolm G., to Raychem Limited. Marker assembly. 4,879,148, 11-7-89, Cl. 428-40.000.
Nebashi, Ikutoshi: *See—*
  Kawamoto, Ryuichi; Sakakibara, Shigeru; Wakahara, Kazuyuki; and Nebashi, Ikutoshi, 4,869,427, Cl. 236-12.120.
Nebel, David J. Horseshoe assembly and method of using same. 4,881,600, 11-21-89, Cl. 168-11.000.
Nebel, David J.: *See—*
  Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,851,110, Cl. 209-135.000.
  Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,852,818, Cl. 241-301.000.
Nebelung, Adolf: *See—*
  Adam, Peter; Nebelung, Adolf; and Vogt, Michael, 4,871,578, Cl. 427-2.000.
Nebelung, Hermann H.: *See—*
  Knoth, Werner-Dieter; and Nebelung, Hermann H., 4,813,995, Cl. 65-230.000.
Nebenzahl, Isaiah; and Lewis, Aaron. Method and device for submicron precision pattern generation. 4,880,496, 11-14-89, Cl. 156-643.000.
Nebhuth, Thomas; and Loehner, Herbert, to Siemens Aktiengesellschaft. Device for protection from the sun. 4,841,672, 6-27-89, Cl. 49-25.000.
Nebon, Jean-Pierre, to Merlin Gerin. Solid-state trip device of a molded case circuit breaker. 4,878,144, 10-31-89, Cl. 361-96.000.
Nebon, Jean-Pierre: *See—*
  Baginski, Pierre; Nebon, Jean-Pierre; and Bur, Marc, 4,884,047, Cl. 335-10.000.
Nebu, Hideaki; Suzuki, Takahisa; and Swano, Yoshiaki, to Honda Giken Kogyo Kabushiki Kaisha. Adjustable windshield for vehicle. 4,830,423, 5-16-89, Cl. 296-78.100.
Nebuloni, Ferdinando: *See—*
  Dassi, Francesco; Nebuloni, Ferdinando; and Sormani, Cosimo, 4,810,855, Cl. 219-361.000.
Neby, Ricky L.: *See—*
  Futhey, John A.; Isaacson, William B.; and Neby, Ricky L., 4,830,481, Cl. 351-161.000.
NEC Automation, Ltd.: *See—*
  Watai, Minoru; Nishimuro, Yasukazu; and Iwabuchi, Koichi, 4,828,165, Cl. 232-43.100.
NEC Corporation: *See—*
  Abe, Hideaki, 4,819,028, Cl. 355-4.000.
  Akaiwa, Yoshihiko; Nagata, Yoshinori; and Matsuo, Yoshio, 4,817,116, Cl. 375-49.000.
  Akaiwa, Yoshihiko, 4,882,766, Cl. 455-58.000.
  Akanuma, Teruhiko; and Enomoto, Masaharu, 4,804,932, Cl. 335-58.000.
  Akashi, Mineo, 4,847,752, Cl. 364-200.000.
  Akiyama, Ikuo, 4,816,916, Cl. 358-213.290.
  Ando, Fumio; Ichinokawa, Kazuo; and Yokoyama, Takayuki, 4,888,795, Cl. 379-53.000.
  Ando, Mitsugu, 4,843,263, Cl. 307-480.000.
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  Aoki, Takahiro; and Tejima, Shunichiro, 4,800,560, Cl. 370-104.000.
  Aoki, Yasuhiro, 4,886,334, Cl. 350-96.150.
  Aoki, Yasushi, 4,839,897, Cl. 371-68.000.
  Arai, Masanobu, 4,888,762, Cl. 370-32.100.
  Arutaki, Akira; and Takahashi, Hiromi, 4,835,766, Cl. 370-58.000.
  Asai, Ko; and Morita, Koichiro, 4,872,203, Cl. 382-4.000.
  Asazawa, Hiroshi, 4,797,576, Cl. 307-272.100.
  Asazawa, Hiroshi, 4,810,909, Cl. 307-491.000.
  Aso, Akira, 4,841,352, Cl. 357-45.000.
  Deguchi, Takumi, 4,833,340, Cl. 307-262.000.
  Demura, Shigeki; and Oura, Toshio, 4,841,487, Cl. 365-230.010.
  Eguchi, Mikiro, 4,847,828, Cl. 370-58.000.
  Endo, Nobuhiro; and Hamaguchi, Tsuneo, 4,870,475, Cl. 357-71.000.
  Fujii, Hiroaki; and Kobayashi, Kenichi, 4,852,110, Cl. 372-44.000.
  Fujii, Kiyoshi, 4,803,713, Cl. 378-34.000.
  Fujimura, Hiroshi, 4,852,103, Cl. 371-55.000.
  Fujisaki, Hisashi, 4,853,953, Cl. 379-88.000.
  Fujiwara, Masahiko; Ajisawa, Akira; and Suzuki, Shuji, 4,798,435, Cl. 350-96.130.
  Fujiwara, Masahiko; Shikada, Minoru; and Kaede, Kazuhisa, 4,807,227, Cl. 370-3.000.
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  Fukushima, Itaru; Okamoto, Takashi; and Deguchi, Hisashi, 4,878,065, Cl. 346-76.0PH.
  Fukushima, Masaya, 4,876,442, Cl. 250-205.000.
  Furukawa, Noriyuki, 4,815,031, Cl. 364-900.000.
  Furukawa, Yasuo; Yamazaki, Katsuyuki; Hosaka, Takemi; and Fukui, Akira, 4,797,931, Cl. 351-56.000.
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  Hamaguchi, Tsueno; Hirai, Yoshihiko; and Kaneko, Setsuo, 4,838,654, Cl. 350-333.000.
  Hamasaki, Keiji, 4,807,112, Cl. 364-200.000.
  Hannai, Seiichi, 4,833,348, Cl. 307-449.000.
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  Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.
  Harasaki, Hidenobu; Tamitani, Ichiro; and Endo, Yukio, 4,797,740, Cl. 358-136.000.

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Hashimoto, Kiyokazu, 4,878,220, Cl. 371-40.100.
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Hata, Mamoru, 4,839,918, Cl. 379-61.000.
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Hayakawa, Tatsuo, 4,808,943, Cl. 330-51.000.
Hayano, Shin-ichiro, 4,835,770, Cl. 370-94.000.
Henmi, Naoya, 4,805,235, Cl. 455-608.000.
Hida, Hikaru, 4,807,001, Cl. 357-22.000.
Hino, Kiyoshi; Kaitou, Kousuke; and Okamoto, Kiyokazu, 4,818,927, Cl. 318-798.000.
Hirai, Yoshihiko, 4,807,974, Cl. 350-332.000.
Hirakawa, Noboru; and Inoue, Yasukazu, 4,878,105, Cl. 357-59.000.
Hirata, Hideyuki, 4,890,280, Cl. 370-60.000.
Hirayama, Hiromitsu, 4,857,975, Cl. 357-22.000.
Honjo, Kazuhiko, 4,837,536, Cl. 333-247.000.
Hoshina, Yuichiro, 4,856,045, Cl. 379-53.000.
Hotta, Toshinori; and Yamamoto, Osamu, 4,803,440, Cl. 330-145.000.
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Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, 4,880,399, Cl. 439-689.000.
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Ichiyoshi, Osamu, 4,833,696, Cl. 375-121.000.
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Iida, Norihiko, 4,809,228, Cl. 365-189.000.
Iijima, Takashi, 4,866,740, Cl. 377-47.000.
Inuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.
Ikeda, Kiyoshi, 4,803,738, Cl. 455-10.000.
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Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, 4,800,435, Cl. 358-213.190.
Imazeki, Shuichi; and Ikeda, Hiroaki, 4,831,591, Cl. 365-189.080.
Inamasu, Nami, 4,868,571, Cl. 341-118.000.
Inasaka, Jun; and Hasegawa, Shin-Ichi, 4,827,093, Cl. 174-68.500.
Inoue, Hiroo; Kouyama, Toshitake; and Onosato, Masashi, 4,814,888, Cl. 358-211.000.
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Inoue, Takeshi; and Konno, Masashi, 4,823,041, Cl. 310-322.000.
Inoue, Taketoshi, 4,887,044, Cl. 329-300.000.
Inoue, Tatsuo, 4,816,323, Cl. 428-200.000.
Inoue, Yasukazu, 4,845,539, Cl. 357-23.600.
Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
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Ishihara, Tsutomu, 4,868,411, Cl. 307-119.000.
Ishii, Hideshi, 4,882,701, Cl. 364-900.000.
Ishii, Yasunori; and Yura, Mamoru, 4,847,805, Cl. 364-900.000.
Ishijima, Toshiyuki, 4,876,581, Cl. 357-23.300.
Ishikawa, Katsuhisa; Yamamoto, Ryoji; and Tsukahara, Takayuki, 4,832,908, Cl. 420-95.000.
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Ishizuka, Akira, 4,870,607, Cl. 364-739.000.
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Ishizuka, Hiromi, 4,890,045, Cl. 318-608.000.
Isozaki, Tomoaki, 4,805,508, Cl. 84-1.010.
Ito, Koichi, 4,839,791, Cl. 364-200.000.
Ito, Soichi; and Mabuchi, Yoshihiro, 4,83[illegible], Cl. 357-68.000.
Itoh, Masataka, 4,888,755, Cl. 369-45.000.
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Iwakawa, Tsunekiyo; Hada, Hiroshi; and Nakamura, Tadashi, 4,859,910, Cl. 315-169.100.
Iwasaki, Junichi; and Harigai, Hisao, 4,879,646, Cl. 364-200.000.
Iwashita, Shinichi, 4,870,618, Cl. 365-201.000.
Iwata, Hiroshi, 4,802,181, Cl. 372-45.000.
Jinbo, Toshikatsu, 4,868,788, Cl. 365-189.060.
Jippo, Akira, 4,872,166, Cl. 371-11.100.
Kaede, Kazuhisa; and Shimosaka, Naoki, 4,835,782, Cl. 372-32.000.
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Kajikawa, Toshikazu, 4,818,879, Cl. 250-548.000.
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Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, 4,829,346, Cl. 357-22.000.
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Katanosaka, Naoki, 4,885,721, Cl. 371-10.200.
Kato, Hideaki, 4,796,243, Cl. 360-36.200.
Kato, Kaneyuki; Teraji, Kazufumi; Nishino, Seiichi; and Suzuki, Teruo, 4,843,226, Cl. 235-492.000.
Katori, Shigetatsu; and Maehashi, Yukio, 4,839,797, Cl. 364-200.000.
Katsuta, Hiroshi, 4,849,748, Cl. 340-735.000.
Kawabe, Shigehisa, 4,811,104, Cl. 358-183.000.
Kawabe, Shigehisa, 4,831,445, Cl. 358-160.000.
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Kido, Tooru, 4,864,213, Cl. 323-222.000.
Kikkawa, Takamaro, 4,816,895, Cl. 357-71.000.
Kimoto, Manabu; and Nishiguchi, Yukihiro, 4,870,562, Cl. 364-200.000.
Kimura, Mitsuru; and Nakakita, Shoji, 4,874,721, Cl. 437-209.000.
Kimura, Yasuo, 4,841,508, Cl. 361-45.000.
Kinbara, Kouji, 4,840,924, Cl. 437-189.000.
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Kishi, Takao, 4,864,493, Cl. 364-200.000.
Kitano, Toshihiko, 4,801,872, Cl. 324-77.00K.
Kiuchi, Eiichi, 4,839,655, Cl. 342-93.000.
Kiuchi, Toyoo, 4,827,405, Cl. 364-200.000.
Kobatake, Hiroyuki, 4,847,808, Cl. 364-104.000.
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Kobayakawa, Masaki; Takasaki, Yo; and Saeki, Hiroshi, 4,816,71 Cl. 313-496.000.
Kobayashi, Kazutomo; and Fukuoka, Hideyuki, 4,839,891, Cl. 370-94.000.
Kobayashi, Masaharu, 4,825,276, Cl. 357-45.000.
Kobayashi, Satoru, 4,855,959, Cl. 365-239.000.
Kobayashi, Shinichi, 4,853,612, Cl. 323-354.000.
Kobayashi, Yasuo, 4,858,188, Cl. 365-189.050.
Kofuji, Masatoshi, 4,835,678, Cl. 364-200.000.
Koga, Toshio; and Ohki, Junichi, 4,851,906, Cl. 358-133.000.
Koguchi, Toshio; and Kinoshita, Haruo, 4,814,244, Cl. 430-30.000.
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Kohno, Akiyoshi; and Teranishi, Nobukazu, 4,845,548, Cl. 358-47.000.
Koishi, Keiji, 4,811,302, Cl. 365-222.000.
Komatsu, Keiro; and Fujiwara, Masahiko, 4,795,241, Cl. 350-354.000.
Komatsu, Michio, 4,853,340, Cl. 437-20.000.
Komoto, Mitsuo; Matsuo, Youichi; and Sano, Toshifumi, 4,854,377, Cl. 165-80.400.
Komoto, Yasuhiko, 4,885,682, Cl. 364-200.000.
Kondo, Kenji; and Rai, Yasuhiko, 4,817,057, Cl. 365-203.000.
Korechika, Masako, 4,881,248, Cl. 377-17.000.
Koreeda, Shuichi, 4,849,724, Cl. 333-212.000.
Koshimaru, Shigeru, 4,823,179, Cl. 357-41.000.
Koya, Kei, 4,817,033, Cl. 364-900.000.
Koya, Kei, 4,876,661, Cl. 364-787.000.
Kubota, Taishi, 4,868,137, Cl. 437-41.000.
Kunitsugu, Michimasa, 4,867,560, Cl. 356-152.000.
Kuraishi, Yoshiaki, 4,843,393, Cl. 341-150.000.
Kuraishi, Yoshiaki, 4,876,544, Cl. 341-166.000.
Kuraishi, Yoshiaki, 4,888,587, Cl. 341-122.000.
Kuroda, Ichiro, 4,831,575, Cl. 364-748.000.
Kurokawa, Hidefumi, 4,800,440, Cl. 358-260.000.
Kurosawa, Susumu, 4,866,494, Cl. 357-23.600.
Kuwahara, Yoshihiko, 4,890,110, Cl. 342-35.000.
Kuwajima, Takeshi, 4,860,099, Cl. 358-148.000.
Kyusho, Yukio, 4,802,185, Cl. 372-86.000.
Maeda, Shigeki, 4,870,646, Cl. 371-42.000.
Maeno, Kazutoshi, 4,879,714, Cl. 370-85.700.
Makino, Masayuki, 4,796,291, Cl. 358-58.000.
Makino, Masayuki, 4,856,083, Cl. 455-166.000.
Makino, Toshihiko; and Nagasawa, Makoto, 4,878,135, Cl. 360-78.040.
Makita, Akihisa, 4,839,895, Cl. 371-16.000.
Makita, Akihisa, 4,852,092, Cl. 371-12.000.
Matai, Masahiro; Ohyagi, Takashi; and Mori, Toshihiro, 4,873,5 Cl. 340-825.440.
Matai, Masahiro; and Tsunoda, Kazuyuki, 4,876,536, Cl. 340-825.440.
Matsumoto, Hajime, 4,816,992, Cl. 364-200.000.
Matsumoto, Takashi, 4,840,921, Cl. 437-89.000.
Matsumoto, Takeshi; Oyamada, Takashi; and Hayasaka, Shigeki, 4,879,759, Cl. 455-348.000.
Matsuura, Toru, 4,835,483, Cl. 329-50.000.
Minata, Shigeki; and Mori, Toshihiro, 4,840,571, Cl. 439-76.000.
Mine, Kazuhiro; Sanada, Kei; and Ide, Mitsuteru, 4,874,980, Cl. 310-328.000.
Mine, Shinji, 4,884,167, Cl. 361-382.000.
Misu, Kazuhiro, 4,819,046, Cl. 357-23.130.
Mito, Ikuo, 4,799,226, Cl. 372-45.000.
Mitome, Yukio, 4,845,754, Cl. 381-35.000.
Miura, Tatsuzo, 4,825,463, Cl. 379-355.000.
Miura, Tokuki; and Yamauchi, Fumio, 4,864,207, Cl. 318-587.000.
Miyamoto, Takashi, 4,876,588, Cl. 357-81.000.
Mizoguchi, Shoichi, 4,803,438, Cl. 329-50.000.
Mizoguchi, Shoichi, 4,859,956, Cl. 329-50.000.
Mizukami, Takeshi, 4,807,196, Cl. 365-222.000.
Mizuno, Tsukasa, 4,794,981, Cl. 165-80.400.
Momose, Yuya, 4,803,708, Cl. 377-28.000.
Mori, Kunitaka, 4,890,275, Cl. 369-59.000.
Mori, Toshihiro; and Ohyagi, Takashi, 4,839,641, Cl. 340-825.470.
Mori, Toshihiro; Oda, Takashi; and Ohyagi, Takashi, 4,857,911, Cl. 340-825.440.
Mori, Toshihiro; and Oyagi, Takashi, 4,870,403, Cl. 340-825.440.
Morikawa, Hiroshi, 4,839,304, Cl. 437-39.000.
Morimoto, Hideaki, 4,862,457, Cl. 371-8.000.
Morimoto, Yoshitaka; and Tabe, Hideya, 4,838,641, Cl. 350-96.210.
Morisada, Tsuyoshi, 4,881,170, Cl. 364-200.000.
Morita, Koichiro; and Asai, Ko, 4,827,527, Cl. 382-4.000.
Morita, Masasuke; Shimada, Toshiro; and Kitazaki, Toshiro, 4,847,799, Cl. 364-709.120.
Moriyama, Masatoshi; and Ohira, Masaki, 4,860,082, Cl. 357-49.000.
Murakami, Yoichi; and Okawa, Yoshihisa, 4,841,384, Cl. 360-60.000.
Murata, Yoshitoshi; Yoshizawa, Kazuhiro; Yotsutani, Akio; and Ito, Koichi, 4,802,200, Cl. 379-61.000.
Murayama, Yoichi, 4,859,878, Cl. 307-446.000.
Murofushi, Masanori, 4,879,482, Cl. 310-12.000.
Murotani, Tatsunori, 4,875,194, Cl. 365-210.000.
Nagashima, Noriaki; Monma, Kohji; and Murata, Yoshitoshi, 4,879,740, Cl. 379-61.000.
Naiki, Kazuaki, 4,800,318, Cl. 313-414.000.
Naka, Yoshihiro, 4,796,278, Cl. 375-3.000.
Naka, Yoshihiro, 4,807,226, Cl. 371-8.000.
Nakada, Kazuhiro, 4,870,621, Cl. 365-230.050.
Nakagawa, Katsuji; Itoh, Masaki; Morimoto, Akio; and Sakai, Mitsuru, 4,839,208, Cl. 428-64.000.
Nakai, Syoichiro; and Yoshida, Norio, 4,829,512, Cl. 370-16.000.
Nakaizumi, Kazuo, 4,825,415, Cl. 365-189.000.
Nakaizumi, Kazuo, 4,878,201, Cl. 365-203.000.
Nakajima, Hirofumi, 4,829,669, Cl. 29-874.000.
Nakajima, Masahiro; and Kashiwaba, Satoshi, 4,811,359, Cl. 375-10.000.
Nakajima, Yasuhiro, 4,855,929, Cl. 364-490.000.
Nakamae, Masahiko, 4,800,177, Cl. 437-193.000.
Nakamura, Michiya, 4,862,348, Cl. 364-200.000.
Nakamura, Takeshi, 4,815,065, Cl. 367-88.000.
Nakaoka, Yuji, 4,886,984, Cl. 307-272.300.
Nakayama, Takashi, 4,851,992, Cl. 364-200.000.
Nakazawa, Satoshi, 4,797,625, Cl. 328-133.000.
Nasu, Masaki; Katori, Shigetatsu; Maehashi, Yukio; and Yoshizawa, Kazutoshi, 4,847,867, Cl. 375-36.000.
Natsui, Yoshinobu, 4,800,418, Cl. 357-68.000.
Nawata, Hizuru, 4,803,385, Cl. 307-516.000.
Nawata, Hizuru; and Otani, Susumu, 4,871,975, Cl. 329-124.000.
Nishio, Makoto, 4,841,519, Cl. 370-3.000.
Nishitani, Takao; and Kawakami, Yuichi, 4,811,268, Cl. 364-745.000.
Nishitani, Takao; Kuroda, Ichiro; Tanaka, Hideo; and Suginshita, Kyosuke, 4,817,047, Cl. 364-754.000.
Nishitani, Takao, 4,835,611, Cl. 358-160.000.
Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umesato, Shoji, 4,832,611, Cl. 439-70.000.
Noguchi, Kenao, 4,821,092, Cl. 357-4.000.
Noguchi, Masahiko; Tsuda, Kiyoshi; and Sasage, Tsutomu, 4,819,927, Cl. 271-34.000.
Nomura, Masahiro; and Maehashi, Yukio, 4,860,191, Cl. 364-200.000.
Nukiyama, Tomoji, 4,807,172, Cl. 364-715.080.
Nukiyama, Tomoji, 4,809,229, Cl. 365-189.000.
Ohara, Takashi, 4,875,189, Cl. 365-189.340.
Oda, Eiji, 4,805,026, Cl. 358-213.290.
Oda, Takashi; and Yamashita, Masayoshi, 4,806,906, Cl. 340-311.100.
Oda, Toshiaki, 4,805,203, Cl. 379-61.000.
Oda, Toshiaki, 4,809,315, Cl. 379-58.000.
Odagiri, Yuichi, 4,884,270, Cl. 372-29.000.
Ogawa, Hiroshi, 4,855,694, Cl. 333-1.100.
Oguchi, Tetsuji, 4,870,563, Cl. 364-200.000.
Oguchi, Tetsuji, 4,878,191, Cl. 364-759.000.
Ohara, Seiji, 4,812,999, Cl. 364-518.000.
Ohata, Keiichi; Hida, Hikaru; and Ogawa, Masaki, 4,839,703, Cl. 357-22.000.
Ohki, Junichi, 4,887,156, Cl. 358-133.000.
Ohkubo, Toshiki; and Kimura, Hitoshi, 4,845,417, Cl. 318-696.000.
Ohno, Yasuo, 4,831,422, Cl. 357-233.000.
Ohuchi, Mitsurou, 4,864,491, Cl. 364-200.000.
Ohuchi, Mitsurou, 4,853,847, Cl. 364-200.000.
Okada, Mitsuya, 4,862,437, Cl. 369-13.000.
Okada, Yoshitsugu, 4,882,839, Cl. 29-853.000.
Okamoto, Eiji, 4,796,297, Cl. 380-10.000.
Okamoto, Eiji, 4,876,716, Cl. 380-21.000.
Okamoto, Kiyokazu; Amagai, Hideyuki; and Itai, Teruaki, 4,814,683, Cl. 318-800.000.
Okamoto, Kiyokazu; Hino, Kiyoshi; and Kaito, Kosuke, 4,855,661, Cl. 318-807.000.
Okamoto, Kiyokazu; Iijima, Hiroshi; Endo, Tetsuo; and Miyamoto, Yukio, 4,868,438, Cl. 310-166.000.
Okamoto, Kiyokazu; Endo, Tetsuo; Miyamoto, Yukio; and Suzuki, Yoshiharu, 4,871,934, Cl. 310-166.000.
Okazawa, Takeshi, 4,885,624, Cl. 357-42.000.
Okumura, Fujio, 4,850,677, Cl. 350-333.000.
Okumura, Fujio, 4,884,875, Cl. 350-342.000.
Okumura, Teiji, 4,837,805, Cl. 379-90.000.
Okuyama, Yasushi; and Saitoh, Manzoh, 4,835,597, Cl. 357-52.000.
Ono, Yuzo, 4,842,824, Cl. 428-64.000.
Oos, Yasushi, 4,833,642, Cl. 365-49.000.
Oota, Shingo, 4,852,040, Cl. 364-768.000.
Oota, Takashi; and Uchikawa, Tadao, 4,886,382, Cl. 400-124.000.
Orui, Ryuzo; Itagaki, Yasuhiro; and Yamaguchi, Toshio, 4,855,644, Cl. 315-3.600.
Otani, Susumu, 4,807,254, Cl. 375-81.000.
Otani, Susumu; and Iwasaki, Motoya, 4,853,642, Cl. 329-124.000.
Oyagi, Takashi; and Yoshizawa, Shigeo, 4,829,544, Cl. 375-119.000.
Oyagi, Takashi; and Sato, Toshifumi, 4,837,854, Cl. 455-343.000.
Oyamada, Takashi, 4,812,950, Cl. 361-395.000.
Oyamada, Takashi, 4,876,537, Cl. 340-825.440.
Oyamada, Takashi, 4,881,150, Cl. 361-392.000.
Ozaki, Hideharu, 4,876,704, Cl. 377-70.000.
Ozawa, Kazunori; and Araseki, Takashi, 4,821,324, Cl. 381-31.000.
Rokugo, Yoshinori; and Hirosaki, Botaro, 4,803,680, Cl. 370-102.000.
Saegusa, Noboru, 4,841,167, Cl. 307-269.000.
Saegusa, Noboru; and Shimura, Yukihiro, 4,864,599, Cl. 379-61.000.
Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.
Saitoh, Junko, 4,815,028, Cl. 364-900.000.
Sakai, Noriaki, 4,852,049, Cl. 364-200.000.
Sakoe, Hiroaki, 4,872,201, Cl. 381-43.000.
Sanada, Kohji, 4,841,488, Cl. 365-233.000.
Sasage, Tsutomu; and Noguchi, Masahiko, 4,886,596, Cl. 209-539.000.
Sasahara, Misayo, 4,870,606, Cl. 364-721.000.
Sasaki, Eisaku, 4,837,782, Cl. 375-95.000.
Sasaki, Eisaku, 4,864,244, Cl. 329-304.000.
Sasaki, Katsuhiro, 4,837,763, Cl. 370-112.000.
Sasaki, Katsuhiro; and Fukuda, Seiji, 4,876,686, Cl. 371-49.100.
Sasaki, Yasutaka, 4,839,892, Cl. 370-95.000.
Sasaki, Yutaka; and Tamura, Yoshiharu, 4,850,006, Cl. 379-58.000.
Sato, Katsuji; Takenaka, Hiroo; and Kiriyama, Katsumi, 4,829,530, Cl. 372-9.000.
Sato, Toshifumi; and Oyagi, Takashi, 4,839,639, Cl. 340-825.440.
Sato, Yoichi; and Ichinokawa, Kazuo, 4,803,737, Cl. 382-65.000.
Satoh, Yayoi; and Mizukami, Toshihiko, 4,873,724, Cl. 381-40.000.
Sawada, Hachiro, 4,806,920, Cl. 340-727.000.
Segawa, Machio, 4,875,193, Cl. 365-207.000.
Sekiguchi, Sunao, 4,831,572, Cl. 364-715.010.
Shiba, Hiroshi; and Eguchi, Shoji, 4,839,862, Cl. 365-154.000.
Shibagaki, Kouichi; and Fukui, Akira, 4,873,723, Cl. 381-34.000.
Shibanuma, Naoki, 4,803,689, Cl. 372-36.000.
Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, 4,852,148, Cl. 379-59.000.
Shibayama, Shigeru, 4,827,399, Cl. 364-200.000.
Shibuya, Toshiteru, 4,853,840, Cl. 364-200.000.
Shimada, Michio, 4,853,930, Cl. 371-43.000.
Shimada, Michio, 4,878,221, Cl. 371-43.000.
Shimada, Yasuhei, 4,845,661, Cl. 364-900.000.
Shimizu, Hiroshi, 4,815,071, Cl. 370-60.000.
Shimizu, Horoshi; Katsura, Yoshihiko; Sakamoto, Hidenori; and Kawatoko, Tsurayuki, 4,866,702, Cl. 370-60.000.
Shimogawara, Jun; and Nakamura, Hironori, 4,812,065, Cl. 400-624.000.
Shimogawara, Jun, 4,828,245, Cl. 271-171.000.
Shimura, Yukihiro, 4,837,801, Cl. 379-61.000.
Shimura, Yukihiro, 4,860,317, Cl. 379-63.000.
Shine, Toshifumi, 4,868,640, Cl. 357-75.000.
Shinmyo, Saburo, 4,882,730, Cl. 370-95.200.
Shitara, Kenji; Sasaki, Akio; and Murata, Yoshitoshi, 4,833,702, Cl. 379-60.000.
Shouda, Masahiro, 4,881,228, Cl. 371-19.000.
Sone, Kazuya, 4,806,790, Cl. 307-353.000.
Sonetaka, Noriyoshi, 4,875,021, Cl. 331-78.000.
Sugawara, Mitsutoshi; and Inamasu, Nami, 4,885,581, Cl. 341-145.000.
Sugimoto, Mitsunori, 4,823,352, Cl. 372-45.000.
Sugimoto, Mitsunori, 4,833,511, Cl. 357-19.000.
Sugiyama, Takahiro; and Sugawara, Mitsutoshi, 4,841,177, Cl. 307-494.000.
Sugou, Shigeo; and Yanase, Tomoo, 4,815,083, Cl. 372-46.000.
Sumihiro, Naotaka, 4,812,898, Cl. 357-23.500.
Sunakawa, Haruo, 4,845,049, Cl. 437-81.000.
Sunakawa, Haruo, 4,859,627, Cl. 437-81.000.
Suzuki, Akira, 4,796,264, Cl. 372-29.000.
Suzuki, Atsumi; and Masuda, Kazunori, 4,849,997, Cl. 375-118.000.
Suzuki, Hiroshi, 4,799,215, Cl. 370-60.000.

Suzuki, Hiroshi, 4,868,813, Cl. 370-160.000.
Suzuki, Hiroshi, 4,884,263, Cl. 370-16.000.
Suzuki, Norio, 4,843,4[illegible]5, Cl. 358-13.000.
Suzuki, Norio, 4,852,125, Cl. 375-30.000.
Suzuki, Syuji, 4,802,175, Cl. 372-8.000.
Suzuki, Syuji, 4,822,124, Cl. 350-96.110.
Suzuki, Syuji, 4,845,703, Cl. 370-3.000.
Suzuki, Takamasa, 4,837,765, Cl. 371-25.000.
Suzuki, Takao; and Uekido, Kouzou, 4,883,429, Cl. 439-74.000.
Suzuki, Takashi, 4,882,738, Cl. 375-108.000.
Tagawa, Norio, 4,843,502, Cl. 360-105.000.
Taguchi, Tetsu, 4,815,135, Cl. 381-37.000.
Taguchi, Tetsu, 4,817,141, Cl. 380-9.000.
Taguchi, Tetsu, 4,852,172, Cl. 381-43.000.
Taguchi, Tetsu, 4,881,267, Cl. 381-40.000.
Tahara, Masato, 4,857,858, Cl. 329-50.000.
Tajima, Johji, 4,797,937, Cl. 382-1.000.
Tajima, Johji, 4,864,395, Cl. 358-107.000.
Tajima, Tsutomu; and Hamanaka, Toru, 4,864,649, Cl. 455-608.000.
Takahashi, Etsuo, 4,823,343, Cl. 371-16.000.
Takahashi, Kiyoh, 4,803,681, Cl. 370-85.000.
Takahashi, Kunihiko, 4,878,228, Cl. 375-3.000.
Takahashi, Toshiya; and Iwasaki, Junichi, 4,796,217, Cl. 364-745.000.
Takai, Haruki; and Ujiie, Mikio, 4,833,674, Cl. 370-95.000.
Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, 4,864,259, Cl. 333-189.000.
Takane, Hisao, 4,837,674, Cl. 364-200.000.
Takayama, Shigeru, 4,802,126, Cl. 365-190.000.
Takenaka, Hiroo, 4,856,012, Cl. 372-38.000.
Tamai, Hideki, 4,840,845, Cl. 428-336.000.
Tamura, Yoshiharu, 4,820,995, Cl. 329-204.000.
Tamura, Yoshiharu, 4,866,396, Cl. 329-352.000.
Tanabe, Takashi, 4,795,231, Cl. 350-96.210.
Tanabe, Takasni, 4,844,570, Cl. 350-96.200.
Tanahashi, Toshio, 4,839,604, Cl. 328-62.000.
Tanaka, Hideo; and Nishitani, Takao, 4,796,218, Cl. 364-748.000.
Tanaka, Shigenobu; and Arai, Tomohisa, 4,881,169, Cl. 364-200.000.
Tanaka, Shunji; and Matsumura, Naoki, 4,809,330, Cl. 381-40.000.
Tanaka, Susumu, 4,807,250, Cl. 375-28.000.
Tanaka, Yoshiharu; Kouno, Eiichi; and Iwata, Joji, 4,815,854, Cl. 356-356.000.
Tanigawa, Hiroshi, 4,882,714, Cl. 367-103.000.
Tanigawa, Takaho, 4,888,772, Cl. 371-21.200.
Taninaka, Hiroyuki; and Saitou, Mikio, 4,831,587, Cl. 365-104.000.
Tateishi, Hisao, 4,857,866, Cl. 331-1.00A.
Tejima, Shunichiro; and Fujii, Akira, 4,809,268, Cl. 370-93.000.
Togashi, Fusaji; and Hagisawa, Toshihiko, 4,809,002, Cl. 342-160.000.
Tohyama, Shigeru, 4,875,084, Cl. 357-30.000.
Toki, Kaoru, 4,825,428, Cl. 369-1[illegible].000.
Tokushige, Kazuo, 4,879,692, Cl. 365-230.030.
Tsuchiya, Masaki, 4,853,831, Cl. 361-39.400.
Tsuji, Akira; and Takai, Haruki, 4,797,678, Cl. 342-352.000.
Tsuji, Mutsuo, 4,855,869, Cl. 361-386.000.
Tsujimoto, Akira, 4,802,134, Cl. 365-230.000.
Tsujisawa, Takahiko, 4,831,471, Cl. 360-78.040.
Tsukamoto, Yuji, 4,839,244, Cl. 428-694.000.
Tsukamoto, Yuji, 4,856,326, Cl. 73-150.00A.
Tsuzuki, Kazuo; Yoshida, Yoshinori; Ishizuka, Toshio; and Anezaki, Mitsugu, 4,827,473, Cl. 370-60.000.
Tsuzuki, Mitsuo; and Suga, Michihisa, 4,882,596, Cl. 346-140.00R.
Uchida, Hiroyuki; Kaneko, Setsuo; and Okubo, Toshio, 4,827,117, Cl. 250-211.00R.
Ueda, Hideki; and Babano, Sotoaki, 4,853,972, Cl. 455-83.000.
Uesugi, Fumihiko; and Morishige, Yukio, 4,873,413, Cl. 219-121.680.
Uji, Toshio, 4,862,230, Cl. 357-17.000.
Umeda, Tetsuo; Nakano, Kazumi; and Kasuya, Shigenobu, 4,831,658, Cl. 382-52.000.
Umeda, Tetsuo; and Sugiura, Fumihiko, 4,888,646, Cl. 358-464.000.
Umeki, Yoshitaka, 4,883,990, Cl. 307-473.000
Umetsu, Toshimasa; and Aota, Yoetsu, 4,866,576, Cl. 361-429.000.
Urai, Takahiko, 4,855,956, Cl. 365-210.000.
Urai, Takahiko, 4,881,200, Cl. 365-189.040.
Wada, Kenzo; and Nagata, Eiji, 4,841,353, Cl. 357-51.000.
Wasa, Yasuhiro; Kondo, Yojiro; and Miura, Tokuki, 4,800,978, Cl. 180-168.000.
Watanabe, Hiroshi, 4,807,197, Cl. 365-222.000.
Watanabe, Hiroshi; Asano, Takashi; Ikeda, Hiroaki; Imazeki, Shuichi; Shiiya, Yoshitaka; and Nishikawa, Yasushi, 4,811,305, Cl. 365-239.000.
Watanabe, Takao, 4,802,226, Cl. 381-43.000.
Watanabe, Takaya; and Fushimi, Shigeo, 4,841,265, Cl. 333-194.000.
Watanabe, Takeshi, 4,811,292, Cl. 365-185.000.
Watari, Masao, 4,837,828, Cl. 381-36.000.
Watari, Masao, 4,839,844, Cl. 364-727.000.
Watari, Masao, 4,882,756, Cl. 381-42.000.
Watari, Toshihiko, 4,819,131, Cl. 361-414.000.
Yabe, Shoji, 4,851,717, Cl. 307-465.000.
Yagi, Manabu, 4,881,049, Cl. 332-103.000.
Yahiro, Kenji, 4,882,672, Cl. 364-200.000.
Yamada, Hiroaki; and Sato, Eiichi, 4,814,660, Cl. 310-328.000.
Yamada, Ikuo, 4,802,125, Cl. 365-189.000.
Yamada, Kouichi; and Mizuno, Masatoshi, 4,845,655, Cl. 364-786.000.
Yamada, Shitaka, 4,853,562, Cl. 307-465.000.
Yamagishi, Hidetaka, 4,862,244, Cl. 357-67.000.
Yamaguchi, Masaru; and Ogata, Takenori, 4,872,184, Cl. 375-14.000.
Yamaguchi, Masayuki, 4,796,273, Cl. 372-96.000.
Yamaguchi, Masayuki, 4,835,788, Cl. 372-95.000.
Yamaguchi, Takashi; and Kobayashi, Yasuo, 4,825,110, Cl. 307-530.000.
Yamaguchi, Takashi, 4,853,896, Cl. 365-189.020.
Yamahata, Hitoshi; and Sato, Yoshikuni, 4,847,748, Cl. 364-200.000.
Yamamoto, Hideki, 4,890,214, Cl. 363-49.000.
Yamamoto, Yasushi, 4,810,920, Cl. 310-313.00D.
Yamanaka, Yutaka, 4,817,074, Cl. 369-46.000.
Yamane, Toshinobu; Kuramoto, Akio; Shimizu, Ryuji; and Nakayama, Makoto, 4,881,078, Cl. 342-155.000.
Yamazaki, Toru, 4,806,797, Cl. 307-446.000.
Yanagisawa, Masahiro; and Motomura, Yoshihiro, 4,820,051, Cl. 356-378.000.
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Yazawa, Akira, 4,879,647, Cl. 364-200.000.
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Yonekura, Atushi; and Soejima, Katsutoshi, 4,833,318, Cl. 250-239.000.
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Yoshida, Osamu, 4,864,255, Cl. 331-75.000.
Yoshida, Shousei; Otani, Susumu; and Todoroki, Toshiya, 4,835,790, Cl. 375-10.000.
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Yoshida, Yasuharu, 4,823,361, Cl. 375-102.000.
Yoshida, Yasuharu, 4,823,363, Cl. 375-120.000.
Yoshida, Yasuharu, 4,875,049, Cl. 341-159.000.
Yoshihara, Masashi, 4,871,973, Cl. 329-308.000.
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Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.
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  Katagiri, Toshiyuki; and Marukado, Kazuhisa, 4,841,366, Cl. 358-167.000.
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  Morishita, Masanobu, 4,866,733, Cl. 375-1.000.
  Morishita, Masanobu, 4,872,750, Cl. 353-7.000.
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Nechay, Jack A.; Bauer, Fritz E.; Danti, Bernard R.; and Lukkarinen, Mark, to Dennison Manufacturing Company. Apparatus for rotational decoration of articles. 4,832,783, 5-23-89, Cl. 156-448.000.
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  Budyko, Viktor A.; Ivanchenko, Andrei F.; Krokhmal, Vladimir M.; Konovalenko, Vladimir V.; Nechvolodov, Georgy V.; Lastochkin, Boris N.; and Kutsov, Valentin D., 4,885,654, Cl. 361-13.000.

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Neckers, Douglas C. Continuous oxidation method. 4,849,076, 7-18-89, Cl. 204-157.150.
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Nedberge, Diane E.; Campbell, Patricia S.; Gale, Robert M.; and Yum, Su I., to ALZA Corporation. Transdermal contraceptive formulations. 4,816,258, 3-28-89, Cl. 424-448.000.
Nedcon B.V.: *See—*
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Nedelcu, Lucian I. Orthotropic steel plate deck bridge with a double rib system. 4,831,675, 5-23-89, Cl. 14-73.000.
Nedelcu, Lucian I. Beam with an external reinforcement system. 4,831,800, 5-23-89, Cl. 52-225.000.
Nedelcu, Lucian I. Bridge structure with inclined towers. 4,866,803, 9-19-89, Cl. 14-19.000.
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  Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, 4,804,276, Cl. 384-526.000.
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  Van Wezel, Antonius L., deceased; De Haan, Hans H.; and Vermeij, Stephan, 4,888,294, Cl. 435-316.000.
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  Nieuwkoop, Evert, 4,864,292, Cl. 340-825.310.
  Timmer, Klaas; Meinena, Harmen A.; and Bulten, Eric J., 4,831,008, Cl. 502-328.000.
  van der Hoorn, Rudolf J. G. A.; and Douwes, Marcelles, 4,841,602, Cl. 17-23.000.
  Van Veen, Jacobus J. F.; Konig, Johan W.; Ter Kuile, Willem M.; and Van Dijk, Cornelis, 4,889,427, Cl. 356-445.000.
  Van Wijk, Hendrik F., 4,872,990, Cl. 210-644.000.
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Nederveld, Terrill L., to Packaging Corporation of America. Shipping container and blank therefor. 4,894,741, 12-5-89, Cl. 229-157.000.
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Nee, Chin-Cheng; and Weil, Rolf. Multilayer pulsed-current electrodeposition process. 4,869,971, 9-26-89, Cl. 428-635.000.
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Nee, John D.; and Green, Richard A., to Westinghouse Electric Corp. Replacement of split-pin assemblies in nuclear reactor. 4,885,961, 12-12-89, Cl. 81-55.000.
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  Howley, Joseph P.; Keehn, William T.; Ford, Joanna B.; and Neeb, Mary J., 4,804,549, Cl. 426-98.000.
Neeb, Rudolf; and Ironich, Wolfgang, to Hoechst Aktiengesellschaft. Process for preparing 2-hydroxydibenzofuran-3-carboxylic acid and alkali metal salts thereof. 4,831,168, 5-16-89, Cl. 549-461.000.
Neebel, Dennis R., to Deere & Company. Intercooler and method of assembling the same. 4,823,868, 4-25-89, Cl. 165-178.000.
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Needles, William M., to National Semiconductor Corporation. Multiprotocol data conversion. 4,878,058, 10-31-89, Cl. 341-101.000.
Neef, Guenter; and Vierhufe, Harry, to Schering Aktiengesellschaft. 13alpha-alkylgonan-delta 9(11)-5,10-epoxides. 4,843,157, 6-27-89, Cl. 540-76.000.
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Neef, Heinz, to Marwitz & Hauser GmbH. Soft-pad system for a spectacle frame. 4,802,754, 2-7-89, Cl. 351-138.000.
Neefe, Charles W., to Sunsoft Corp. Dyed color change contact lens. 4,840,477, 6-20-89, Cl. 351-162.000.
Neefe, Charles W., to Sunsoft Corp. Production of cosmetic lenses. 4,865,439, 9-12-89, Cl. 351-162.000.
Neefe, Charles W., to Sunsoft Corp. Simplified method of producing cosmetic contact lenses. 4,865,440, 9-12-89, Cl. 351-162.000.
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Neelman, Herbert H.; and Scognamiglio, Guy A., Jr., to Seabar, Inc. Double-feed envelope guide system for printing press. 4,843,962, 7-4-89, Cl. 101-240.000.
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Neely, Marshall A.: *See—*
  Taylor, Brooks E.; Neely, Marshall A.; and Card, Roy T., 4,867,080, Cl. 112-80.320.
Neer, Robert M.; Potts, John T., Jr.; and Slovik, David M., to General Hospital Corporation, The. Method of increasing bone mass. 4,833,125, 5-23-89, Cl. 514-12.000.
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Neff, Charles E., to TRW Inc. Reduced length MacPherson strut. 4,828,237, 5-9-89, Cl. 267-221.000.

Neff, Charles E., to TRW Inc. Speed responsive power steering system. 4,858,712, 8-22-89, Cl. 180-143.000.
Neff, Craig A., to Hunter Douglas Inc. Method of making a honeycomb product. 4,861,404, 8-29-89, Cl. 156-204.000.
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Neff, James A.; and Fagerlie, Richard A. Valve base with integral flow control valves and common exhaust passage. 4,856,560, 8-15-89, Cl. 137-884.000.
Neff, James A., to MAC Valves, Inc. Poppet valve. 4,880,033, 11-14-89, Cl. 137-625.650.
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Negendank, Helmut; and Wedekind, Reinhard, to Rhein Flugzeugbau GmbH. Acquistion of a projectile trajectory past a moving target. 4,805,159, 2-14-89, Cl. 367-127.000.
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Negishi, Hidetaka; and Aoki, Shigemitsu, to Texas Instruments Incorporated. Display and keyboard panel. 4,885,574, 12-5-89, Cl. 340-711.000.
Negishi, Hirokazu; and Hosaka, Masao, to Canon Kabushiki Kaisha. Audio signal transmission system. 4,870,690, 9-26-89, Cl. 381-103.000.
Negishi, Ichiro; Nakagaki, Shintaro; and Ichimura, Hiroshi, to Victor Company of Japan, Ltd. Color video camera apparatus providing correction of light intensity-dependent phase errors in color multiplex carrier signal. 4,811,088, 3-7-89, Cl. 358-47.000.
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Negishi, Kiyoshi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Apparatus for controlling optical output from semiconductor laser. 4,802,179, 1-31-89, Cl. 372-38.000.
Negishi, Kiyoshi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Malfunction communicating device for optical unit of laser printer. 4,845,483, 7-4-89, Cl. 340-825.160.
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Negishi, Koichi, to Bridgestone Corporation. Traveling device moving along elongated member. 4,848,168, 7-18-89, Cl. 73-865.800.
Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru; Ikeda, Susumu; and Matsubayashi, Shinji, to Sanden Corporation. Transporting system for refrigerated merchandise. 4,831,837, 5-23-89, Cl. 62-239.000.
Negishi, Kozaburo, to Sanden Corporation. Refrigerator with variable volume independently cooled storage chambers. 4,876,860, 10-31-89, Cl. 62-179.000.
Negishi, Masataka. Image forming system having uniform illumination flux for liquid crystal image means. 4,807,975, 2-28-89, Cl. 350-345.000.
Negishi, Masataka. Lighting device. 4,809,147, 2-28-89, Cl. 362-347.000.
Negishi, Masataka. Device for changing directions of light rays. 4,813,765, 3-21-89, Cl. 350-286.000.
Negishi, Tohru. Frame for multifocal spectacles. 4,861,151, 8-29-89, Cl. 351-137.000.
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Neglia, Joseph D.; and Cunningham, David C., to Honeywell Inc. Phase-responsive angular tracking device. 4,857,926, 8-15-89, Cl. 341-116.000.
Negoro, Ikuo, to Asahi Kogaku Kogyo K.K. Laser beam scanning device. 4,868,673, 9-19-89, Cl. 358-296.000.
Negoro, Ikuo; and Kita, Masahiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Image fixing apparatus. 4,890,140, 12-26-89, Cl. 355-290.000.
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  - Griffith, Edwin D., 4,871,406, Cl. 156-82.000.
- Nelis, Marc. Hydraulic motor with buoyant tubular members. 4,838,025, 6-13-89, Cl. 60-505.000.
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- Nellcor, Incorporated: *See—*
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- Nelles, Jakob. Cheese brining system. 4,815,368, 3-28-89, Cl. 99-452.000.
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- Nellessen, Peter, Jr. Hull cleaner. 4,841,894, 6-27-89, Cl. 114-222.000.
- Nellis, Russell L. Cap assembly for use with canned aerosol lubricant. 4,815,637, 3-28-89, Cl. 222-402.120.
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- Nelsen, Charles E.: *See—*
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- Nelson, Alan F. Reduced drag club head for a wood type golf club. 4,850,593, 7-25-89, Cl. 273-167.00E.
- Nelson, Albert B.: *See—*
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- Nelson, Alvin T., III: *See—*
  - Cothran, Michael W.; and Nelson, Alvin T., III, 4,872,629, Cl. 248-231.200.
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- Nelson, Anthony J.; and Duggan, Peter J., to Imperial Chemical Industries, PLC. Substituted phthaloayanine photoconductor and charge transport phase. 4,800,145, 1-24-89, Cl. 430-58.000.
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- Nelson, Arthur J. Marine transportation of bulk cargo. 4,795,298, 1-3-89, Cl. 414-140.800.
- Nelson, Berg Enterprises: *See—*
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- Nelson, Bertel S., to Candy Mfg. Co., Inc. Shaft support system. 4,832,659, 5-23-89, Cl. 464-178.000.
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- Nelson, Carl: *See—*
  - Genoa, Joseph; Kaskel, Harold; and Nelson, Carl, 4,804,333, Cl. 439-191.000.
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- Nelson, Carl T., to Linear Technology Corporation. Switching voltage regulator circuit. 4,823,070, 4-18-89, Cl. 323-285.000.
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  - O'Neill, Dennis P.; and Nelson, Carl T., 4,847,520, Cl. 307-296.100.
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- Nelson, Carl W.; Smith, Donald S.; and Turner, Frank P., to United Technologies Corporation. Airfoil incidence angle adjustment method. 4,856,943, 8-15-89, Cl. 408-1.00R.
- Nelson, Charles M. Apparatus and method for making V-groove insulation. 4,838,968, 6-13-89, Cl. 156-64.000.
- Nelson, Clark D.: *See—*
  - Mers, Catherine; Nelson, Clark D.; Arsena, Vito J.; and Jaffe, Mary S., 4,833,576, Cl. 362-226.000.
- Nelson, Clinton D. Method and apparatus for generating pressurized fluid. 4,878,458, 11-7-89, Cl. 122-4.00A.
- Nelson, Craig H., to SpaceLabs, Inc. Method and apparatus for indirect blood pressure measurement. 4,799,492, 1-24-89, Cl. 128-672.000.
- Nelson, Craig H.; Dorsett, Thomas J.; and Davis, Charles L., to Protocol Systems, Inc. Method for noninvasive blood-pressure measurement by evaluation of waveform-specific area data. 4,889,133, 12-26-89, Cl. 128-681.000.
- Nelson, Craig R.: *See—*
  - Schumaker, Norman E.; Stall, Richard A.; Nelson, Craig R.; and Wagner, Wilfried R., 4,838,983, Cl. 156-613.000.
- Nelson, Cynthia R.: *See—*
  - Sittler, Fred C.; and Nelson, Cynthia R., 4,869,282, Cl. 137-15.000.
- Nelson, Dale: *See—*
  - Taylor, Steve; Nelson, Dale; and Gorney, Don, 4,859,057, Cl. 356-41.000.
- Nelson, Dale K.: *See—*
  - Mathison, Allen D.; and Nelson, Dale K., 4,817,671, Cl. 138-89.000.
- Nelson, Daniel W.: *See—*
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- Nelson, Darrell R.; and Berg, Greg W., to Nelson, Berg Enterprises. Video simulation apparatus. 4,856,771, 8-15-89, Cl. 272-18.000.
- Nelson, David A.: *See—*
  - Jensen, George A.; Nelson, David A.; and Molton, Peter M., 4,889,660, Cl. 252-646.000.
  - Scaglione, Felice; Nelson, David A.; Keesee, Robert W.; and Morgan, Ronnie G., 4,868,002, Cl. 426-641.000.
- Nelson, David C.; Fresh, Michael J.; and Mueller, Herbert. Balloon holder. 4,798,554, 1-17-89, Cl. 446-222.000.
- Nelson, David E., to Hydroacoustics, Inc. Methods and apparatus for reducing correlation sidelobe interference in seismic profiling systems. 4,799,201, 1-17-89, Cl. 367-41.000.
- Nelson, David E.: *See—*
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  - Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.000.
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- Nelson, Dennis G. A.: *See—*
  - Featherstone, John D. B.; Cooper, Lyndon F.; Myers, Michael L.; and Nelson, Dennis G. A., 4,874,315, Cl. 433-215.000.
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- Nelson, Donald R., to Goddard Industries, Inc. Valve. 4,844,411, 7-4-89, Cl. 251-214.000.
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  - Kiser, T. Kay; Nelson, Erik K.; and Saccocio, Edward J., 4,811,089, Cl. 358-75.000.
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- Nelson, Frederic P. Personal identification method. 4,798,403, 1-17-89, Cl. 283-70.000.
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- Nelson, George E. Renewable option accounting and marketing system. 4,823,265, 4-18-89, Cl. 364-408.000.
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  - Berendt, Carl J.; Nelson, Gerald; and Meyer, Michael, 4,818,226, Cl. 433-20.000.
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  - Allie, Mark C., 4,837,834, Cl. 381-71.000.
  - Eriksson, Larry J.; Allie, Mark C.; and Hoops, Richard H., 4,811,309, Cl. 367-140.000.
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  - Khosropour, Mostafa M., 4,887,460, Cl. 73-118.100.
  - Tofsland, Kenneth M.; Morgan, Jeffrey S.; Gryttenholm, Eric G.; and Jaroszczyk, Tadeusz, 4,878,929, Cl. 55-486.000.
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  - Davisson, Paul D., 4,796,811, Cl. 239-222.170.
  - Meyer, Larry P., 4,809,910, Cl. 239-1.000.
- Nelson, Ivan L. Mast assembly for percussive and auger drilling. 4,809,788, 3-7-89, Cl. 173-28.000.
- Nelson, Jack R., to Triton Engineering Services Company. Flat bottom drilling bit with polycrystalline cutters. 4,872,520, 10-10-89, Cl. 175-329.000.
- Nelson, James A.: *See—*
  - Stufflebeam, Frank L.; and Nelson, James A., 4,878,262, Cl. 15-53.00B.
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  - Lippmann, Raymond; and Nelson, James E., 4,859,912, Cl. 315-169.300.
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- Nelson, James R.: *See—*
  - Ahmed, Moinuddin; Nelson, James R.; and Gibson, Charles A., 4,845,296, Cl. 564-477.000.
  - Doumaux, Arthur R., Jr.; and Nelson, James R., 4,879,401, Cl. 558-488.000.
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  - Harrison, John A.; Isakson, Gary A.; and Nelson, James R., 4,802,584, Cl. 206-447.000.
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- Nelson, James T.: *See—*
  - Cheney, Glen T.; Kirsch, Howard C.; Nelson, James T.; and Stefany, James H., 4,887,135, Cl. 357-23.600.
- Nelson, Jay B.: *See—*
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- Nelson, John F., to Illinois Tool Works Inc. Plastic rivet having flexible drive pin. 4,830,556, 5-16-89, Cl. 411-41.000.
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- Nelson, John H., to Bison Instruments, Inc. Analog-to-digital converter. 4,823,129, 4-18-89, Cl. 341-139.000.
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- Nelson, John R.; and Lehman, Thomas F., to Invivo Research, Inc. Instrument housing with improved paper feed. 4,877,197, 10-31-89, Cl. 242-68.700.
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- Nelson, Joyce K., to Union Carbide Corporation. Composite membranes, their manufacture and their use. 4,822,382, 4-18-89, Cl. 55-16.000.
- Nelson, Joyce K.: *See—*
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  - Strege, Gary L.; Renno, Gerd W.; Nelson, Kirk A.; and Melink, Stephen K., 4,822,385, Cl. 55-248.000.
- Nelson, Larry A., to Honeywell Inc. Memory mapped deflection correction system. 4,871,948, 10-3-89, Cl. 315-368.000.
- Nelson, Lawrence A.: *See—*
  - Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
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- Nelson, Leonard E.; Leonardo, Victoria A.; and Grandfield, Walter J., to Motorola, Inc. Paging terminal apparatus with page forwarding capability and methodology thereof. 4,814,763, 3-21-89, Cl. 340-825.440.
- Nelson, Leonard E., to Motorola, Inc. Paging system for providing a data message and a voice message to a unique address of a paging receiver. 4,885,577, 12-5-89, Cl. 340-825.440.
- Nelson, Leonard E.: *See—*
  - Stair, Mark T.; and Nelson, Leonard E., 4,868,563, Cl. 340-825.440.
- Nelson, Leonard Y.; Green, John R.; and Wong, Carol W., to Korry Electronics Company. Wavelength encoded optical switches. 4,878,722, 11-7-89, Cl. 350-96.200.
- Nelson, LeRoy O., to Media/Graphics, Inc. Locking system for display panels. 4,821,788, 4-18-89, Cl. 160-135.000.
- Nelson, Linda H., to General Electric Company. Composition. 4,826,913, 5-2-89, Cl. 524-490.000.
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Nelson, Llewellyn W. Protective enclosure for electrical plug connections. 4,869,683, 9-26-89, Cl. 439-369.000.
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Nelson, Mark J.: *See—*
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Nelson, Mark L.: *See—*
Nelson, Otis L., Jr.; and Nelson, Mark L., 4,846,847, Cl. 44-53.000.
Nelson, Marshall A., to Omnicrom Systems Limited. Selective metallic transfer foils for xerographic images. 4,868,049, 9-19-89, Cl. 428-328.000.
Nelson, Martin J., to Techmix, Inc. Composition for treating impaired lactation. 4,839,171, 6-13-89, Cl. 424-101.000.
Nelson, Marvin A. Game board. 4,798,388, 1-17-89, Cl. 273-261.000.
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Nelson, Marvin L., to J. I. Case Company. Pneumatic evacuator-filler for grain drill hopper. 4,842,449, 6-27-89, Cl. 406-153.000.
Nelson, Maynard E. Fishing lure/hook receptacle. 4,879,832, 11-14-89, Cl. 43-25.200.
Nelson, Merlin L., to Nellco, Inc. Beach builder block. 4,856,934, 8-15-89, Cl. 405-33.000.
Nelson, Michael G.; and Oblad, Hayward B., to Consolidation Coal Company. Fiber optic detector for flotation cell processing. 4,797,550, 1-10-89, Cl. 250-227.000.
Nelson, Michael G.: *See—*
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Nelson, Oscar L.: *See—*
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Nelson, Otis L., Jr.; and Nelson, Mark L., to Polar Molecular Corp. Antigel fuel composition. 4,846,847, 7-11-89, Cl. 44-53.000.
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Nelson, Peter E., to BOC Group, Inc., The. Water separator. 4,821,737, 4-18-89, Cl. 128-730.000.
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Nelson, Philip L.: *See—*
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Nelson, Richard: *See—*
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Nelson, Richard W.: *See—*
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Nelson, Robert A.; and Altman, Carroll C., to Kwik-File, Inc. Apparatus for cutting wrapping paper. 4,796,792, 1-10-89, Cl. 225-72.000.
Nelson, Robert A.; and Flome, Robert C. Hypodermic syringe needle guard. 4,826,488, 5-2-89, Cl. 604-192.000.
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Gruber, Robert J.; Yourd, Raymond A., III; Malhotra, Shadi L.; Nelson, Robert A.; Fox, Carol A.; and Hoffend, Thomas R., 4,876,169, Cl. 430-110.000.
Nelson, Robert E., to TPV Energy Systems, Inc. Thermophotovoltaic technology. 4,826,426, 5-2-89, Cl. 431-100.000.
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Nelson, Robert S.; and Zach, Reuven D. Reflective, transmissive high resolution imaging apparatus. 4,829,184, 5-9-89, Cl. 250-358.100.
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Nelson, Ronald E. Reinforced ankle and foot brace. 4,825,856, 5-2-89, Cl. 128-80.00H.
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Nelson, Stanford C. Door latching mechanism for roll-up doors. 4,830,415, 5-16-89, Cl. 292-134.000.
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Nelson, Stephen J., to Upjohn Company, The. Process for preparing aldol intermediates. 4,812,582, 3-14-89, Cl. 549-214.000.
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Nelson, Thomas E. Water heater construction. 4,878,459, 11-7-89, Cl. 122-494.000.
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Nelson, Thomas M., to Richard W. Clark. Sound pattern discrimination system. 4,806,931, 2-21-89, Cl. 340-907.000.
Nelson, Tom W.; Workman, James P.; and Taylor, Daniel K., to Martin Medical, Inc. Bobbin stripping machine. 4,845,815, 7-11-89, Cl. 28-295.000.
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Nelson, William E.: *See—*
Reaves, Benjamin H.; and Nelson, William E., 4,805,282, Cl. 29-156.80R.
Nelson, William H.: *See—*
Chikuma, Tom K.; Jones, Rick O.; Nelson, William H.; and Price, Walter F., Jr., 4,846,589, Cl. 384-50.000.
Nelson, William I.: *See—*
Kemp, Robert A.; Nelson, William I.; and Foley, Gary W., 4,884,925, Cl. 406-109.000.
Nelson, William W., to Coinview Corporation. Coin-operated timer for pay TV. 4,821,862, 4-18-89, Cl. 194-241.000.
Nemas, Mara: *See—*
Linder, Charles; Nemas, Mara; Perry, Mordechai; and Kotraro, Reuven, 4,833,014, Cl. 428-308.400.
Nemazi, John E.: *See—*
Salmon, Michael E.; and Nemazi, John E., 4,802,605, Cl. 220-338.000.
Nemcovsky, Rhonda L.: *See—*
Jones, Gerald M.; and Nemcovsky, Rhonda L., 4,872,259, Cl. 29-764.000.
Jones, Gerald M.; and Nemcovsky, Rhonda L., 4,882,838, Cl. 29-829.000.
Kraus, Robert D.; and Nemcovsky, Rhonda L., 4,826,456, Cl. 439-751.000.
Nemec, Petr; and Penkava, Josef, to Skoda, koncernovy podnik. Control mechanism of a bolt stressing unit. 4,815,344, 3-28-89, Cl. 81-57.380.
Nemerson, Yale; and Turitto, Vincent, to Mount Sinai School of Medicine of the City University of New York. Dynamic continuous flow enzyme reactor. 4,865,984, 9-12-89, Cl. 435-288.000.
Nemes, Istvan: *See—*
Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso; Nemes, Istvan; Botar, Laszlo; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
Nemet-Mavrodin, Margaret, to Mobil Oil Corporation. Two stage process for the production of a high benzene aromatic product. 4,808,295, 2-28-89, Cl. 208-65.000.
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Nemetchek, Alfred E.: *See—*
Samokovliiski, David A.; Nemetchek, Alfred E.; Gitchev, Mihail G.; Andreev, Krassimir A.; Bozadjiev, Iltcho T.; and Momtchilov, Emil T., 4,845,336, Cl. 219-137.200.
Nemeth, Andras: *See—*
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Nemeth-Bates Corp: *See—*
Nemeth, Robert, 4,831,339, Cl. 331-25.000.
Nemeth, Istvan; Simon, Bela; and Nemeth, Istvan, to Gepjarmu Javito Kisszovetkezet. Method and apparatus for adjusting the wheels and axles of motor vehicles. 4,885,846, 12-12-89, Cl. 33-203.130.
Nemeth, Istvan: *See—*
Nemeth, Istvan; Simon, Bela; and Nemeth, Istvan, 4,885,846, Cl. 33-203.130.
Nemeth, Joseph; and Kowalski, Charles I., to Champion Spark Plug Company. Open-celled, electrically conductive ceramic network. 4,887,795, 12-19-89, Cl. 252-511.000.
Nemeth, Laszlo: *See—*
Hornyos, Janos; Millei, Gyula; Nemeth, Laszlo; and Wagner, Otto, 4,830,797, Cl. 264-43.000.
Nemeth, Robert, to Nemeth-Bates Corp. Oscillator having low phase noise. 4,831,339, 5-16-89, Cl. 331-25.000.
Nemic Lambda Co., Ltd.: *See—*
Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, 4,888,672, Cl. 363-49.000.
Nemiroff, Michael H., to Unisys Corporation. Method of fabricating a tapered via hole in polyimide. 4,832,788, 5-23-89, Cl. 156-643.000.
Nemirovsky, Robert, to Nemirovsky, Robert; and Deutsch, Joseph. Tilting apparatus. 4,880,219, 11-14-89, Cl. 269-60.000.
Nemirovsky, Robert, to Deutsch, Joseph; and Nemirovsky, Robert. Clamping mechanism. 4,881,727, 11-21-89, Cl. 269-309.000.
Nemkov, Valentin V.: *See—*
Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Alexei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
Nemo, Thomas E.: *See—*
Hagen, Gary P.; and Nemo, Thomas E., 4,873,386, Cl. 585-471.000.
Nemoto, Akira, to Tachi-S Co., Ltd. Reduction gear unit. 4,843,919, 7-4-89, Cl. 74-805.000.
Nemoto, Akira, to Tachi-S Co., Ltd. Headrest for automotive seat. 4,865,388, 9-12-89, Cl. 297-403.000.
Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otora, Takahito, to Seikosha Co., Ltd. Focal plane shutter. 4,797,699, 1-10-89, Cl. 354-246.000.
Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otora, Takahito, to Seikosha Co., Ltd. Camera having a focal plane shutter. 4,819,017, 4-4-89, Cl. 354-288.000.
Nemoto, Ichiro: *See—*
Nakagawa, Tadashi; Nemoto, Ichiro; Aosaki, Ko; and Misawa, Atsushi, 4,814,807, Cl. 354-246.000.
Nemoto, Kaoru; Igusa, Kazuo; and Ogasawara, Toshichika, to Chugai Seiyaku Kabushiki Kaisha. Stabilized active forms of vitamin D_3. 4,836,957, 6-6-89, Cl. 260-397.200.
Nemoto, Kenji: *See—*
Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.
Uchida, Kuninobu; Nemoto, Kenji; Nokajima, Kunio; Murata, Nagatoshi; and Kaneko, Mitsuo, 4,805,286, Cl. 29-407.000.
Nemoto, Masakazu: *See—*
Noguchi, Minetoshi; Goto, Somio; Nemoto, Masakazu; and Ishibashi, Jiro, 4,794,875, Cl. 112-315.000.
Nemoto, Masanori: *See—*
Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.
Nemoto, Masatsugu: *See—*
Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Junichi; and Sakuma, Kenji, 4,888,984, Cl. 73-105.000.
Nemoto, Rikio: *See—*
Taniuchi, Toshihiko; Nemoto, Rikio; and Fujiwara, Yoshito, 4,808,371, Cl. 420-54.000.
Nemoto, Shin-ichi: *See—*
Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,824,430, Cl. 494-22.000.
Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,857,040, Cl. 494-22.000.
Nemoto, Shiro: *See—*
Takeuchi, Hikaru; Yoshida, Masato; and Nemoto, Shiro, 4,865,913, Cl. 428-321.300.
Nemoto, Shoji; and Murabayashi, Noboru, to Sony Corporation. Tracking control apparatus using pilot signals of different frequencies. 4,814,900, 3-21-89, Cl. 360-10.200.
Nemoto, Shoji; and Machida, Yukihiko, to Sony Corporation. Video signal recording and/or reproducing apparatus. 4,823,206, 4-18-89, Cl. 360-19.100.
Nemoto, Shoji, to Sony Corp. Apparatus for reproducing video signals as slow-motion pictures. 4,853,809, 8-1-89, Cl. 360-10.300.
Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co. Ltd. Key-shift transmission. 4,809,560, 3-7-89, Cl. 74-371.000.

Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg., Co. Ltd. Driving power transmission. 4,856,367, 8-15-89, Cl. 74-606.00R.
Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co., Ltd. Clutch and brake assembly for working vehicles. 4,858,739, 8-22-89, Cl. 192-18.00R.
Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co. Ltd. HST (hydrostatic transmission) system driving speed changing apparatus. 4,870,820, 10-3-89, Cl. 60-487.000.
Nemoto, Shusuke: *See—*
  Fujisaki, Koichiro; Ohashi, Ryota; and Nemoto, Shusuke, 4,856,368, Cl. 74-606.00R.
  Yamaoka, Kojiro; and Nemoto, Shusuke, 4,809,796, Cl. 180-6.480.
  Yamaoka, Kojiro; and Nemoto, Shusuke, 4,819,508, Cl. 74-665.0GC.
  Yamaoka, Kojiro; and Nemoto, Shusuke, 4,867,008, Cl. 74-606.00R.
Nemoto, Toshikazu; and Nakazawa, Shinsuke, to Nissan Motor Company, Limited. System and method for controlling an engine idling speed for an internal combustion engine. 4,875,446, 10-24-89, Cl. 123-339.000.
Nemoto, Tsuneo; and Kaneko, Mika, to Sony Corporation. Magnetic disk cartridge with improved center plate for disk mounting. 4,812,937, 3-14-89, Cl. 360-133.000.
Nemoto, Tsuneo: *See—*
  Takahashi, Kenji; and Nemoto, Tsuneo, 4,860,127, Cl. 360-60.000.
Nemoto, Tugio: *See—*
  Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.
  Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,834,492, Cl. 350-96.200.
  Ishii, Satoru; Nemoto, Tugio; and Aiki, Kunio, 4,883,342, Cl. 350-320.000.
Nemschoff Chairs, Inc.: *See—*
  Nemschoff, Leonard M.; and Nemschoff, Mark S., 4,830,435, Cl. 297-440.000.
  Oppeneer, Steven J., 4,794,963, Cl. 144-358.000.
Nemschoff, Leonard M.; and Nemschoff, Mark S., to Nemschoff Chairs, Inc. Seating unit having a seat subassembly secured thereon. 4,830,435, 5-16-89, Cl. 297-440.000.
Nemschoff, Mark S.: *See—*
  Nemschoff, Leonard M.; and Nemschoff, Mark S., 4,830,435, Cl. 297-440.000.
Nennemann, Harry: *See—*
  Weller, Klaus; Braun, Walter; and Nennemann, Harry, 4,798,410, Cl. 296-217.000.
Nenov, Sasho G.: *See—*
  Beyazov, Yordan Y.; Nenov, Sasho G.; and Peychev, Vlayko S., 4,884,459, Cl. 73-861.520.
Nentchev, Valentin N. Valve-talking device. 4,869,244, 9-26-89, Cl. 128-201.190.
Nentl, Robert J.: *See—*
  Peterson, Michael D.; and Nentl, Robert J., 4,815,601, Cl. 206-454.000.
Nentwig, Gunther: *See—*
  Kruger, Bernd-Wieland; Sasse, Klaus; Hoever, Franz-Peter; Nentwig, Gunther; and Berhrenz, Wolfgang, 4,873,252, Cl. 514-315.000.
Neo Electronics Limited: *See—*
  Fitton, Stephen, 4,875,567, Cl. 194-318.000.
Neogen Corporation: *See—*
  Dixon, Deborah E.; Hart, L. Patrick; and Pestka, James J., 4,835,100, Cl. 435-7.000.
  Ower, Ronald D., deceased; Mills, Gary L.; and Malachowski, James A., 4,866,878, Cl. 47-1.100.
Neogi, Amar N.: *See—*
  Johnson, Donald C.; Neogi, Amar N.; and LeBlanc, Henry A., 4,861,427, Cl. 162-129.000.
  Johnson, Donald C.; and Neogi, Amar N., 4,863,565, Cl. 162-150.000.
  Perdelwitz, Lee E., Jr; Young, Robert H.; Iff, Ron H.; Hanke, David E.; Allison, Kathleen S.; Rahkonen, Raimo K.; and Neogi, Amar N., 4,886,697, Cl. 428-192.000.
Neonics, Inc.: *See—*
  Hey, John B., 4,870,579, Cl. 364-419.000.
Neopharmed Spa: *See—*
  Scolastico, Carlo; and Tronconi, Giovanni, 4,824,978, Cl. 556-26.000.
Neoprobe Corporation: *See—*
  Denen, Dennis J.; Thurston, Marlin O.; and Ramsey, Raymond C., 4,801,803, Cl. 250-336.100.
  Ramsey, Raymond C.; and Thurston, Marlin O., 4,889,991, Cl. 250-336.100.
NeoRx Corporation: *See—*
  Abrams, Paul G., 4,867,962, Cl. 424-1.100.
  Morgan, Alton C., Jr.; McIntyre, Robert; Woodhouse, Clive S.; and Abrams, Paul G., 4,822,734, Cl. 435-68.000.
  Morgan, Alton C., Jr.; Woodhouse, Clive S.; and McIntyre, Robert F., 4,879,225, Cl. 435-68.000.
  Reno, John M.; and Bottino, Becky J., 4,877,868, Cl. 530-390.000.
  Wilbur, Daniel S.; and Hadley, Stephen W., 4,870,188, Cl. 548-542.000.
  Wilbur, Daniel S.; Fritzberg, Alan R.; and Jones, David S., 4,885,153, Cl. 424-1.100.
  Wilbut, Daniel S.; and Hadley, Stephen W., 4,876,081, Cl. 424-1.100.
Neos Products HB, Karlsson, Neuman, Tamm: *See—*
  Neuman, Karl E., 4,887,478, Cl. 74-354.000.
NeoToy Partnership: *See—*
  Knetzger, Robert C., 4,871,176, Cl. 273-237.000.
Neotronics Limited: *See—*
  Bone, David J.; Gibbs, Trevor K.; Buckenham, Howard A.; and Gotley, Paul, 4,810,352, Cl. 204-432.000.
Neou, In-Meei. Evaporative emission control of liquid storage tanks using bellow sealing systems. 4,880,135, 11-14-89, Cl. 220-85.0VS.
Nepco, Inc.: *See—*
  McCahill, David I., 4,856,578, Cl. 165-29.000.
Nepera, Inc.: *See—*
  Feitler, David; and Wetstein, Henry, 4,883,581, Cl. 546-353.000.
Neperud, Michael A., to Findley Adhesives Inc.; and North Coa Adhesives Inc., a part interest. Medical moisture resistant adhesive composition for use in the presence of moisture. 4,855,335, 8-8-89, C 523-111.000.
Nepomuceno, Jose G.: *See—*
  Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Bu nett, George H.; Thesing, Richard A.; Winterson, Warren D. and Nichols, Walter A., 4,874,000, Cl. 131-375.000.
Nepon, Juanita. Composition of matter for controlling the urinar bladder, and methods of preparing and utilizing same. 4,865,84 9-12-89, Cl. 424-195.100.
Neppl, Franz; and Mazure-Espejo, Carlos-Alberto, to Siemens Aktie gesellschaft. Methods for making neighboring wells for VLSI CMOS components. 4,803,179, 2-7-89, Cl. 437-70.000.
Neppl, Franz; and Winnerl, Josef, to Siemens Aktiengesellschaft Method of manufacturing integrated circuit containing bipolar and complementary MOS transistors on a common substrate. 4,855,24 8-8-89, Cl. 437-31.000.
Neppl, Franz; and Schwabe, Ulrich, to Siemens Aktiengesellschaft Semiconductor circuit containing integrated bipolar and MOS tran sistors on a chip and method of producing same. 4,874,717, 10-17-8 Cl. 437-59.000.
Neppl, Franz; and Winnerl, Josef, to Siemens Aktiengesellschaft. Cir cuit containing integrated bipolar and complementary MOS transis tors on a common substrate. 4,884,117, 11-28-89, Cl. 357-43.000.
Neppl, Franz: *See—*
  Mazure-Espejo, C. A.; and Neppl, Franz, 4,885,617, Cl. 357-23.900
Nepple, Bruce C.: *See—*
  O'Brien, Dennis J.; Hanson, Paul G.; Klarquist, Thomas D.; Nepple, Bruce C.; Park, Michael C.; and Ross, Robin R., 4,885,763 Cl. 379-67.000.
Neptune Information Systems: *See—*
  Honick, Ronald J., 4,852,152, Cl. 379-97.000.
Ner, Virginia F.: *See—*
  Suss, Harold; and Ner, Virginia F., 4,857,307, Cl. 424-63.000.
Nereau, Jean-Pierre: *See—*
  Batteux, Pierre; and Nereau, Jean-Pierre, 4,883,931, Cl. 20-148.00R.
Nergeco (SA): *See—*
  Kraeutler, Bernard, 4,828,003, Cl. 160-84.100.
Nerger, Klaus K., to Mannesmann AG. Support for a gripper for a industrial robot. 4,872,718, 10-10-89, Cl. 294-86.400.
Nerger, Uwe: *See—*
  Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disse Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerge Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, C 280-756.000.
Nerheim, Eldon; Hones, Leonard D.; Douma, Patricia A.; and McDon ald, Earl W., to Honeywell Inc. Integrated silicon bridge detonator 4,831,933, 5-23-89, Cl. 102-202.500.
Nerheim, Eldon, to Honeywell Inc. Integrated silicon plasma switch 4,840,122, 6-20-89, Cl. 102-202.500.
Nerheim, Eldon; and Hoff, Dave, to Honeywell Inc. Integrated silicon secondary explosive detonator. 4,862,803, 9-5-89, Cl. 102-202.500
Neri, Armando, to G.D Societa Per Azioni. System for feeding stack of sheet material on to a user machine. 4,813,659, 3-21-89, C 271-10.000.
Neri, Armando, to G.D. Societa' Per Azioni. Method of optimizing the standard weight variation of cigarettes on a dual-rod cigarette manu facturing machine. 4,858,626, 8-22-89, Cl. 131-84.400.
Neri, Armando, to G.D Societa' Per Azioni. Pick-up unit for withdraw ing cigarette samples from a mass of cigarettes. 4,882,938, 11-28-8 Cl. 73-863.910.
Neri, Carlo; Nodari, Nereo; Bersanetti, Erik; and Sandre, Giovanni, to Enichem Synthesis S.p.A. Organic phosphites resistant to hydrolysis and process for preparing them. 4,810,579, 3-7-89, Cl. 428-405.000
Neri, Carlo; Anfossi, Bartolomeo; Esposito, Antonio; and Buonom Franco, to Anic S.p.A. Process for the epoxidation of olefinic com pounds. 4,833,260, 5-23-89, Cl. 549-531.000.
Neri, Carlo; Nodari, Nereo; and Sandre, Giovanni, to Enichem Sinte S.p.A. Tetrakis(3-(3,5-di-tert.buyl-4-hydroxyphenyl)propionyl oxymethyl) methane with amorphous structure, process for its prepa ration and its use as a stabilizer. 4,886,900, 12-12-89, Cl. 560-75.000
Neri, Carlo: *See—*
  Greco, Alberto; Cassar, Luigi; Costanzi, Silvestro; and Neri, Carlo 4,888,375, Cl. 524-262.000.
Neri, James. Beach mat with adjustable sun shade. 4,821,353, 4-18-8 Cl. 5-418.000.
Nerli, Robert. Dental syringe safety sheath apparatus. 4,859,1 8-22-89, Cl. 433-80.000.
Nernberger, Lee: *See—*
  Kunschke, Eldor W.; and Nernberger, Lee, 4,879,871, C 56-239.000.

Nero, Leroy W., to RCA Licensing Corporation. CRT focus tracking arrangement. 4,825,129, 4-25-89, Cl. 315-278.000.
Nerome, Kuniaki; Oya, Akira; Ohkuma, Kunio; and Inoue, Atsuo, to National Institute of Health; Daiichi Seiyaku Co., Ltd.; and Juridical Foundation the Chemo-Sero-Therapeutic Research Institute. Influenza vaccine. 4,826,687, 5-2-89, Cl. 424-450.000.
Nerowski, Georg; Piepenbreier, Bernhard; and Toelle, Hans-Juergen, to Siemens Aktiengesellschaft. Short-circuit protection device for an electrical machine fed by a pulse-controlled A.C. converter. 4,890,181, 12-26-89, Cl. 361-18.000.
Nervina, Eugene E. Air conditioner wall sleeve. 4,840,041, 6-20-89, Cl. 62-263.000.
Nesbit, Mark S. Radio equipped inflatable device. 4,856,087, 8-8-89, Cl. 455-344.000.
Nesbit, Mark S.; and Galvanek, Candy K. Neckstrap. 4,864,646, 9-5-89, Cl. 455-344.000.
Nesbitt, Hugh M. Free standing squaring tool with open corners. 4,805,315, 2-21-89, Cl. 33-535.000.
Nesbitt, James L., Jr.: *See—*
  Colacci, John R.; and Nesbitt, James L., Jr., 4,838,326, Cl. 141-147.000.
Nesbitt, Lanny E., to Dorma Door Controls, Inc. Hold-open mechanism for use with a door closer. 4,878,265, 11-7-89, Cl. 16-49.000.
Nesbitt, R. Dennis: *See—*
  Melvin, Terrence; and Nesbitt, R. Dennis, 4,880,241, Cl. 273-232.000.
Nesbitt, Russell U.: *See—*
  Botzolakis, John E.; Harris, Michael R.; and Nesbitt, Russell U., 4,807,465, Cl. 73-78.000.
  Song, Suk-Zu; Rashidbaigi, Zahra A.; Mehta, Surendra C.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,814,173, Cl. 424-444.000.
  Song, Suk-Zu; Mehta, Surendra C.; Murthy, Kuchi S.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,851,545, Cl. 548-543.000.
  Song, Suk-zu; Rashidbaigi, Zahra A.; Nesbitt, Russell U.; and Fawzi, Mahdi B., 4,857,313, Cl. 424-81.000.
  Williams, James B.; and Nesbitt, Russell U., 4,853,372, Cl. 514-30.000.
Nesbitt, Russell U., Jr.: *See—*
  Ghebre-Seliassie, Isaac; Nesbitt, Russell U., Jr.; Iyer, Uma; and Fawzi, Mahdi B., 4,810,501, Cl. 424-469.000.
Nesheiwat, Afif: *See—*
  Geibel, Jon F.; and Nesheiwat, Afif, 4,877,850, Cl. 525-471.000.
Nesheiwat, Afif M.; Senatore, Guy; and Sherk, Fred T., to Phillips Petroleum Company. Acid wash of polyarylene sulfides. 4,801,664, 1-31-89, Cl. 525-537.000.
Nesheiwat, Afif M.: *See—*
  Senatore, Guy; Nesheiwat, Afif M.; and Sherk, Fred T., 4,882,418, Cl. 528-499.000.
Nesher Industries, Inc.: *See—*
  Adler, Josef H., 4,794,868, Cl. 108-33.000.
Nesin, Richard; and Li, Tak-po, to Standard Microsystems Corporation. Digital data separator. 4,796,280, 1-3-89, Cl. 375-110.000.
Nesis, Dov. Magnetic wheel puzzle. 4,865,324, 9-12-89, Cl. 273-155.000.
Nespor, Jill M.: *See—*
  Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., 4,889,726, Cl. 426-3.000.
  Dave, Jayant C.; Record, David W.; Nespor, Jill M.; and Hook, Jeffrey S., 4,889,727, Cl. 426-3.000.
Nespor, Ronald R., to Chevron, Inc. Quick-couple L-bar sleeve assembly for wheel lift. 4,875,822, 10-24-89, Cl. 414-563.000.
Ness, Friedrich: *See—*
  Hertrich, Steffen; Ness, Friedrich; and Knorr, Charles, 4,800,851, Cl. 123-90.460.
Ness, Irving S., to Chicopee. Absorbent article with internal wicking means. 4,842,594, 6-27-89, Cl. 604-368.000.
Ness, Irving S., to Chicopee. Absorbent article with internal wicking means. 4,880,419, 11-14-89, Cl. 604-368.000.
Ness, Leif A., to Air Products and Chemicals, Inc. Pulsation dampening device for super critical fluid expansion engine, hydraulic engine or pump in cryogenic service. 4,878,350, 11-7-89, Cl. 62-50.100.
Ness, Thomas O. Woody plant extractor. 4,856,759, 8-15-89, Cl. 254-132.000.
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- New Bus Company, Inc., The: *See—*
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  - Southren, Aaron L.; Weinstein, Bernard I.; and Gordon, Gary G., 4,863,912, Cl. 514-177.000.
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- Thorbecke, G. Jeanette; and Zucker, Marjorie B., 4,844,895, Cl. 424-88.000.

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- Newman, Frederick C.; and Marsella, Louis J., to Continental Can Company, Inc. Plastic container having a surface to which a lid may be peelably sealed. 4,810,541, 3-7-89, Cl. 428-36.700.
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- Newman, Neil A., to Brunswick Corporation. Propeller protector. 4,826,461, 5-2-89, Cl. 440-71.000.
- Newman, Neil A., to Brunswick Corporation. Variable height marine propulsion mechanism. 4,865,569, 9-12-89, Cl. 440-53.000.
- Newman, Neil A., to Brunswick Corporation. Outboard marine propulsion system including a chain drive mechanism. 4,869,692, 9-26-89, Cl. 440-75.000.
- Newman, Neil A.; Bankstahl, Herbert A.; Griffiths, John M.; Forsgren, Lyle M.; and Beck, Wayne T., to Brunswick Corporation. Operation optimizing system for a marine drive unit. 4,872,857, 10-10-89, Cl. 440-1.000.
- Newman, Neil A.; and Bankstahl, Herbert A., to Brunswick Corporation. Gear driven marine propulsion system with steerable gearcase and dual counterrotating propellers. 4,887,982, 12-19-89, Cl. 440-81.000.
- Newman, Neil A., to Brunswick Corporation. Marine transmission with fluid coupler. 4,887,984, 12-19-89, Cl. 440-86.000.
- Newman, Neil A.: *See—*
  - Bankstahl, Herbert A.; and Newman, Neil A., 4,887,983, Cl. 440-57.000.
  - Griffiths, John M.; Litjens, John J.; and Newman, Neil A., 4,836,811, Cl. 440-61.000.
  - Griffiths, John M.; Beck, Wayne T.; and Newman, Neil A., 4,861,292, Cl. 440-1.000.
  - Griffiths, John M.; Forsgren, Lyle M.; Newman, Neil A.; and Beck, Wayne T., 4,872,859, Cl. 440-53.000.
- Newman, Oliver M. G.; Bond, Alan M.; and Knight, Roger W., to Electrolytic Zinc Company of Australia Limited. Method and apparatus for the determination of electrochemically active components in a process stream. 4,804,443, 2-14-89, Cl. 204-1.00T.
- Newman, Paul K. Chain saw attachment for lawn trimmer. 4,884,340, 12-5-89, Cl. 30-122.000.
- Newman, Paul R.; Warren, Leslie F., Jr.; and Cunningham, Patricia H., to Rockwell International Corporation. Laser generated electrically conductive pattern. 4,814,259, 3-21-89, Cl. 430-319.000.
- Newman, Richard W.: *See—*
  - Allred, Jimmie B., III; Kokosa, Richard A.; Krauter, Allan I.; and Newman, Richard W., 4,836,189, Cl. 128-6.000.
- Newman, Robert A.: *See—*
  - Fawcett, Timothy G.; Harris, William C., Jr.; Newman, Robert A.; Whiting, Lawrence F.; and Knoll, Frank J., 4,821,303, Cl. 378-80.000.
- Newman, Robert A., III: *See—*
  - Seidel, Gary E.; Newman, Robert A., III; Newman, Robert M.; and Henschen, Henry, 4,828,500, Cl. 434-247.000.
- Newman, Robert C., Jr.: *See—*
  - Ference, Jonathan H.; Blonstein, Steven M.; Rowen, Michael J.; Newman, Robert C., Jr.; and Spira, Joel S., 4,797,599, Cl. 315-194.000.
- Newman, Robert J.: *See—*
  - Swint, Richard E.; and Newman, Robert J., 4,816,137, Cl. 208-154.000.
- Newman, Robert M.; and Warmath, Kenneth R., to Ropak Manufacturing Company, Inc. Apparatus for packaging fluid materials into packets. 4,884,599, 12-5-89, Cl. 141-1.000.
- Newman, Robert M.: *See—*
  - Seidel, Gary E.; Newman, Robert A., III; Newman, Robert M.; and Henschen, Henry, 4,828,500, Cl. 434-247.000.
- Newman, Rodney J.; and McGuffey, L. Wayne, to Newact, Incorporated. Protective device for a machine tool. 4,867,620, 9-19-89, Cl. 409-134.000.
- Newman Sanitary Gasket Company: *See—*
  - Newman, David W.; and Lin, George Y., 4,861,076, Cl. 285-332.300.
- Newman, Stanley F.; De Deken, Jacques C.; and Cook, Michael L., to Catalytica, Inc. Process for obtaining substantially aldehyde-free ketone products. 4,885,399, 12-5-89, Cl. 568-410.000.
- Newman, Thomas H.; Henton, David E.; and Evans, Silvia A., to Dow Chemical Company, The. Thermoplastic blend of polycarbonate, polymethylmethacrylate and AES. 4,880,554, 11-14-89, Cl. 525-67.000.
- Newman, William; and Rakauskas, Michael E., to Masonite Corporation. Liquified cellulosic fiber, resin binders and articles manufactured therewith, and method of manufacturing same. 4,828,643, 5-9-89, Cl. 156-328.000.
- Newman, William H.: *See—*
  - Bowman, Harry F.; and Newman, William H., 4,852,027, Cl. 364-557.000.
- Newman, Wyatt S., to North American Philips Corporation. Linear motor with angularly indexed magnetic poles. 4,837,467, 6-6-89, Cl. 310-12.000.
- Newman, Wyatt S.: *See—*
  - Eventoff, Arnold T.; and Newman, Wyatt S., 4,841,978, Cl. 128-660.090.
- Newmiller, Robert J., to Eastman Kodak Company. Blended emulsions exhibiting improved speed-granularity relationship. 4,865,964, 9-12-89, Cl. 430-367.000.
- Newnan, Brian D., to Grindmaster Corporation. Bean and nut grinder shift mechanism. 4,878,625, 11-7-89, Cl. 241-37.000.
- Newnes Machine and Ironworks Ltd.: *See—*
  - Brown, Douglas J.; Newnes, William R.; and Sergeant, John, 4,869,360, Cl. 198-460.000.
- Newnes Machine Limited: *See—*
  - Newnes, William R., 4,815,917, Cl. 414-268.000.
- Newnes, William R., to Newnes Machine Limited. Bin sorter for use in a lumber mill. 4,815,917, 3-28-89, Cl. 414-268.000.
- Newnes, William R.: *See—*
  - Brown, Douglas J.; Newnes, William R.; and Sergeant, John, 4,869,360, Cl. 198-460.000.
- Newood Products of Oregon, Inc.: *See—*
  - Moshofsky, Gerald S., 4,799,434, Cl. 108-108.000.
- Newport Corporation: *See—*
  - Barger, Richard L., 4,820,042, Cl. 356-153.000.
  - Terry, Dennis C.; Filho, Waldemiro M.; and Turechek, John J., 4,853,065, Cl. 156-292.000.
- Newport News Shipbuilding and Dry Dock Company: *See—*
  - Stallard, Clinton W., III, 4,819,971, Cl. 285-131.000.
- Newsham, E. A.; Forrester, Jeffrey W.; and Rowley, Duncan J., to E. R. Squibb & Sons, Inc. Moistureless oral drug delivery formulation and method for preparing same. 4,867,970, 9-19-89, Cl. 424-81.000.
- Newsham, John: *See—*
  - Andrews, Anthony J.; Hunt, Toby C.; and Newsham, John, 4,836,327, Cl. 181-152.000.
- Newski, Alejandro: *See—*
  - Rivas, Olegario; and Newski, Alejandro, 4,871,020, Cl. 166-241.000.
- Newsom, Cosby M. Vacuum diaphragm device. 4,822,651, 4-18-89, Cl. 428-36.800.
- Newsom, Larry T. Visual and audible alarm device. 4,821,026, 4-11-89, Cl. 340-574.000.
- Newsome, David L.: *See—*
  - Schroeder, George O.; Newsome, David L.; and Haffner, William B., 4,828,915, Cl. 428-332.000.
- Newsome, John R. Twist belt apparatus for changing posture of transported documents. 4,850,582, 7-25-89, Cl. 271-185.000.
- Newsome, R. Wayne. Chimney facade system. 4,811,534, 3-14-89, Cl. 52-219.000.
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  - Fascenda, Anthony C.; and Gregg, Daniel L., 4,845,491, Cl. 340-825.440.
- Newsteder, Robert, to Chocolate Pix, Inc. Method of forming an image with photographic likeness on chocolate and product thereof. 4,832,966, 5-23-89, Cl. 426-87.000.
- Newsteder, Robert, to Chocolate Pix, Inc. Candy planter. 4,876,824, 10-31-89, Cl. 47-66.000.
- Newswanger, Craig, to Advanced Dimensional Displays, Inc. Real time autostereoscopic displays using holographic diffusers. 4,799,739, 1-24-89, Cl. 350-3.700.
- Newtec International: *See—*
  - Martin Cocher, Jean P. C.; and Velletaz, Alain J. L., 4,831,812, Cl. 53-399.000.
- NewTech Products, Inc.: *See—*
  - Meinershagen, Charles I., 4,836,781, Cl. 433-141.000.
  - Meinershagen, Charles I., 4,854,867, Cl. 433-40.000.
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- Newton, Anthony D.: *See—*
  - Jobling, David T.; and Newton, Anthony D., 4,855,651, Cl. 315-387.000.
- Newton, Arnold C., to Rolls-Royce plc. Thrust reverser. 4,823,547, 4-25-89, Cl. 60-226.200.
- Newton, Brian L.; Conti, Rino; and Wolff, Martin J., to Dart Industries Inc. Mounting bracket. 4,826,120, 5-2-89, Cl. 248-221.400.
- Newton, Charles L., to Air Products and Chemicals, Inc. Automated control system for a multicomponent refrigeration system. 4,809,154, 2-28-89, Cl. 364-148.000.
- Newton, David W., to Valleylab, Inc. Apparatus for changing the output power level of an electrosurgical generator while remaining in the sterile field of a surgical procedure. 4,827,927, 5-9-89, Cl. 128-303.140.
- Newton, Earl W., to American Standard Inc. Refrigeration compressor with dual voltage hookup. 4,800,732, 1-31-89, Cl. 62-236.000.
- Newton, Glen E.; and Cole, Peter C., to MAC Corporation of America. Baled nuclear waste box handler. 4,833,866, 5-30-89, Cl. 53-529.000.
- Newton, John J., Jr.: *See—*
  - Hanifl, Paul H.; and Newton, John J., Jr., 4,804,377, Cl. 604-352.000.
  - Hanifl, Paul H.; Newton, John J., Jr.; and Mosior, Donald J., 4,863,057, Cl. 220-23.830.
  - Harreld, Donald R.; Ponsi, Lawrence G.; and Newton, John J., Jr., 4,829,602, Cl. 2-51.000.
- Newton, Kevin H.: *See—*
  - Graef, Harry T.; Newton, Kevin H.; Allison, Timothy B.; and Eastman, Jeffrey M., 4,871,085, Cl. 221-4.000.
  - Graef, Harry T.; and Newton, Kevin H., 4,884,679, Cl. 198-718.000.
- Newton, Raymond; and Malcolm-Lawes, David, to Biotec Instruments Limited. Apparatus for automatic chemical analysis. 4,865,811, 9-12-89, Cl. 422-81.000.
- Newton, Richard W.: *See—*
  - Jean, Buford R.; Newton, Richard W.; Warren, Gary L.; and Clark, Billy V., 4,833,918, Cl. 73-290.00V.
  - Jean, Buford R.; Newton, Richard W.; Blanchard, Andrew J.; Clark, Billy V.; and Warren, Gary L., 4,847,623, Cl. 342-124.000.
- Newton, Robert K.; and Schmalz, Steven M., to Specialty Equipment Companies, Inc. Mixing and dispensing apparatus for a frozen confection machine. 4,878,760, 11-7-89, Cl. 366-149.000.
- Newton, Stephen J., to BNR Inc. Terminator current driver with short-circuit protection. 4,831,283, 5-16-89, Cl. 307-443.000.
- Newton, Steven A.: *See—*
  - Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., 4,805,237, Cl. 455-619.000.
  - Nazarathy, Moshe; Newton, Steven A.; and Foster, Scott H., 4,812,038, Cl. 356-73.100.
- Newton, Thomas A., Jr.; and Regan, Michael C., to Reed Tool Company Limited. Rotary drill bits. 4,844,185, 7-4-89, Cl. 175-329.000.
- Newton, Thomas D.: *See—*
  - Varnell, William D.; Newton, Thomas D.; and Holte, Mark D., 4,806,596, Cl. 525-312.000.
- Newton, Walter A., to Entravision, Inc. Mechanism for coupling the aspirant line of an irrigation/aspiration machine to the pressure monitoring section. 4,886,498, 12-12-89, Cl. 604-118.000.
- Newton, William: *See—*
  - Summach, Terry; Pask, Glen S.; Summach, Dennis; and Newton, William, 4,821,809, Cl. 172-179.000.
- Newton, William P., to Caldwell Manufacturing Company. Sound deadener for window counterbalance spring. 4,854,558, 8-8-89, Cl. 267-74.000.
- Nexø, Sten A.; Christensen, Jorgen; and Jorgensen, Ib E., to Aktieselskabet Bruel & Kjaer. Photoacoustic gas analyzer. 4,818,882, 4-4-89, Cl. 250-343.000.
- Ney, Hermann, to U.S. Philips Corporation. Method for determining the variation with time of a speech parameter and arrangement for carrying out the method. 4,813,075, 3-14-89, Cl. 381-43.000.
- Ney, Leonard L., Jr.: *See—*
  - Haag, Robert A.; Ney, Leonard L., Jr.; and Marcucci, Lambert J., 4,850,525, Cl. 229-73.000.
- Ney, Reuben E.; and Walters, Bryon L., to AMP Incorporated. Electrical connector. 4,865,563, 9-12-89, Cl. 439-404.000.
- Ney, Reuben E.: *See—*
  - Farrar, John C.; Ney, Reuben E.; Schroeder, James L., III; and Yeager, Patrick F., 4,820,174, Cl. 439-95.000.
- Ney, Robert J. Mixing orifice extruder. 4,861,255, 8-29-89, Cl. 425-202.000.
- Neyer, James: *See—*
  - Schaller, David R.; Megahed, El-Sayed; Neyer, James; and Petterson, Tor, 4,803,605, Cl. 362-184.000.
- Neynaber Chemie GmbH: *See—*
  - Worschech, Kurt; Wedl, Peter; Kachel, Helmut; and Schult, Guenter, 4,857,216, Cl. 252-39.000.
- Neyra Industries, Inc.: *See—*
  - Schlake, Bernard H., 4,818,191, Cl. 417-390.000.
- Neyret, Guy. Fork for the fixation of a cylinder lock plug. 4,873,852, 10-17-89, Cl. 70-451.000.
- Neywick, Charles V.: *See—*
  - Lancaster, Gerald M.; Kelley, David C.; Cramm, Russell H.; and Neywick, Charles V., 4,847,155, Cl. 428-421.000.
- Nezer, Shlomo: *See—*
  - Dagan, Jacob; and Nezer, Shlomo, 4,859,045, Cl. 350-623.000.
- Nezu, Shigeru: *See—*
  - Minamisawa, Tsuyoshi; Endo, Katsunori; Ikegami, Eitaro; and Nezu, Shigeru, 4,874,800, Cl. 523-205.000.
- Nezu, Shinji, to Aisin Seiki Company, Ltd. Plastic electrically insulating substrates for wiring circuit boards and a method of manufacturing thereof. 4,837,407, 6-6-89, Cl. 174-68.500.
- Nezu, Yukio: *See—*
  - Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.
- Nezuka, Masakazu: *See—*
  - Kushida, Osami; Ninomiya, Hisamitsu; Nezuka, Masakazu; and Ishikawa, Yoshihiko, 4,876,523, Cl. 337-299.000.
- Nezworski, James E., to Perlick Corporation. Beverage glass washer. 4,805,649, 2-21-89, Cl. 134-57.00R.
- Nezworski, James E., to Perlick Corporation. Glass washer spray discharge and control means. 4,825,887, 5-2-89, Cl. 134-183.000.
- Nezworski, James E., to Perlick Corporation. Glass washer with rotary carrier. 4,832,064, 5-23-89, Cl. 134-44.000.
- Nezworski, James E., to Perlick Corporation. Cleaning and deliming glass washer spray nozzles. 4,832,752, 5-23-89, Cl. 134-22.120.
- NFO Research, Inc.: *See—*
  - Miller, Roger L.; and Miklovic, Matthew D., 4,847,718, Cl. 360-132.000.
- Ng, Chai-Nam; and Dhyanchand, John J., to Sundstrand Corp. Multiple phase rectifier with active filter for removing noise in triggering signals and digital phase shift compensator for phase shifting signal passed through. 4,797,802, 1-10-89, Cl. 363-87.000.
- Ng, Chee W.: *See—*
  - Dewhurst, David J.; Ng, Chee W.; Hughes, Murray A.; and Johnson, Donald A. H., 4,829,574, Cl. 381-41.000.
- Ng, Lung S. B.: *See—*
  - Bolger, John G.; and Ng, Lung S. B., 4,800,328, Cl. 320-2.000.
- Ng, Paul T.: *See—*
  - Maier, Gerhard A.; Enlow, David L.; and Ng, Paul T., 4,852,536, Cl. 123-414.000.
- Ng, Shirley M.; and Wieckowski, Susan, to Colgate-Palmolive Company. Stable hydrogen peroxide dental gel. 4,839,156, 6-13-89, Cl. 424-53.000.
- Ng, Shiu S.: *See—*
  - Baker, Glen O.; Feldman, Dmitry; Ng, Shiu S.; Chau, Albert W.; and Mercer, John E., 4,867,255, Cl. 175-61.000.
- Ng, Steve Y.: *See—*
  - Heller, Jorge; Penhale, Donald W. H.; and Ng, Steve Y., 4,855,132, Cl. 424-78.000.
- Ng, Thomas K.: *See—*
  - Ling, Lorraine B.; and Ng, Thomas K., 4,877,731, Cl. 435-142.000.
- Ng, Tie H.: *See—*
  - Mahabadi, Hadi K.; Ng, Tie H.; Listigovers, Nancy A.; and Martin, Trevor I., 4,877,706, Cl. 430-106.600.
- Ng Tong, Yong C. H.: *See—*
  - Encellaz, Robert; and Ng Tong, Yong C. H., 4,843,323, Cl. 324-313.000.
- Ng, Yee S., to Eastman Kodak Company. Optical recorder with plural resolution recording. 4,835,551, 5-30-89, Cl. 346-108.000.
- Ng, Yee S., to Eastman Kodak Company. Non-impact printer with nonuniformity correction. 4,837,587, 6-6-89, Cl. 346-108.000.
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  - Hediger, Edwin A.; Ng, Yee S.; and Pham, Hieu, 4,875,057, Cl. 346-107.00R.
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- Ngan, Danny Y., to Shell Oil Company. Process for removal of polynuclear aromatics from a hydrocarbon in an endothermic reformer reaction system. 4,804,457, 2-14-89, Cl. 208-64.000.
- NGB Spark Plug Co., Ltd.: *See—*
  - Kondo, Kazuo; and Kurachi, Tatsunori, 4,861,625, Cl. 427-126.200.
  - Suzuki, Yasuhiko, 4,844,029, Cl. 123-142.50E.
- Ngian, Kian F.; Hartshorn, Angus J.; and Jenkins, David H., to ICI Australia Limited. Process for the purification of zirconium compounds. 4,822,575, 4-18-89, Cl. 423-82.000.
- NGK Insulators, Ltd.: *See—*
  - Abe, Masanori; Mase, Syunzo; and Kozuka, Yoshinari, 4,814,930, Cl. 361-44.000.
  - Asai, Katsuya; and Masaki, Hideyuki, 4,882,130, Cl. 422-310.000.
  - Asami, Seiichi; and Hamanaka, Toshiyuki, 4,851,376, Cl. 501-119.000.
  - Baba, Toshio; Matsushita, Hajime; and Katsuragawa, Yasuji, 4,839,120, Cl. 264-102.000.
  - Hamada, Yasuhiko; and Yoshimura, Tsunenori, 4,824,549, Cl. 204-410.000.
  - Hamaguchi, Kunikazu; Hamanaka, Toshiyuki; Harada, Takashi; and Asami, Seiichi, 4,849,275, Cl. 428-116.000.
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  - Harada, Takashi; Hamanaka, Toshiyuki; Hamaguchi, Kunikazu; and Asami, Seiichi, 4,869,944, Cl. 428-116.000.
  - Hattori, Isao; and Noiri, Hifuo, 4,798,528, Cl. 425-190.000.
  - Hattori, Isao; and Enomoto, Akio, 4,808,065, Cl. 414-774.000.
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  - Hayakawa, Isse, 4,887,518, Cl. 92-212.000.
  - Hayakawa, Issei, 4,810,681, Cl. 501-119.000.
  - Hayakawa, Issei; and Ukai, Noriyuki, 4,871,697, Cl. 501-97.000.
  - Ihara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, 4,861,626, Cl. 427-133.000.
  - Iino, Atsushi; and Kato, Nobuhide, 4,824,548, Cl. 204-406.000.
  - Inoue, Satoru; and Higashizima, Kozo, 4,814,187, Cl. 425-464.000.
  - Inoue, Satoru; and Futamura, Shoji, 4,820,146, Cl. 425-461.000.
  - Inoue, Satoru; and Futamura, Shoji, 4,830,598, Cl. 425-463.000.
  - Inoue, Satoru; and Watanabe, Mitsuaki, 4,834,640, Cl. 425-464.000.
  - Inoue, Satoru; and Futamura, Shoji, 4,875,264, Cl. 29-163.600.
  - Ishiguro, Fujio; and Narahara, Takumi, 4,835,009, Cl. 427-126.200.
  - Ishiguro, Fujio; and Narahara, Takumi, 4,851,105, Cl. 204-429.000.
  - Ishiguro, Fujio; and Narahara, Takumi, 4,857,165, Cl. 204-424.000.
  - Ito, Shigenori, 4,820,128, Cl. 416-241.00B.
  - Iwasaki, Hiroyuki; and Masuda, Masaaki, 4,834,926, Cl. 264-65.000.
  - Izumiya, Hirotsugu; and Kariya, Mikio, 4,825,126, Cl. 313-623.000.
  - Kajihara, Takehiro; Atsumi, Senji; and Izumiya, Hirotsugu, 4,800,320, Cl. 313-625.000.
  - Kajiura, Yasuhiro, 4,802,845, Cl. 432-236.000.

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Katsu, Masanori; and Makino, Mikio, 4,856,577, Cl. 165-8.000.
Kawasaki, Keiji; and Kato, Kiminari, 4,850,803, Cl. 416-241.00B.
Kawasaki, Shinji; and Takahashi, Tomonori, 4,855,263, Cl. 501-92.000.
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Kodachi, Toru; and Usami, Jun, 4,875,990, Cl. 204-408.000.
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Matsuo, Junichi, 4,799,387, Cl. 73-620.000.
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Minamikawa, Masayasu; Onabe, Yoshiaki; and Ono, Masanao, 4,877,970, Cl. 250-560.000.
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Moriya, Tsutomu; and Nozaki, Hiroshi, 4,803,311, Cl. 174-182.000.
Murase, Takao; and Yoshimura, Tsunenori, 4,883,947, Cl. 219-553.000.
Nakata, Masami; and Imai, Osamu, 4,855,70[illegible], Cl. 338-20.000.
Narukawa, Akira, 4,846,292, Cl. 177-50.000.
Narukawa, Akira; and Kosegawa, Yoshimoto, 4,867,258, Cl. 177-116.000.
Niihara, Koichi; and Nakahira, Atsushi, 4,889,834, Cl. 501-89.000.
Niihara, Koichi; and Nakahira, Atsushi, 4,889,835, Cl. 501-89.000.
Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,795,544, Cl. 204-425.000.
Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,814,059, Cl. 204-406.000.
Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,859,307, Cl. 204-425.000.
Oda, Isao; and Soma, Takao, 4,798,493, Cl. 403-404.000.
Oda, Isao; and Tsuno, Nobuo, 4,810,585, Cl. 428-469.000.
Oda, Isao; Matsui, Minoru; and Tsuno, Nobuo, 4,822,645, Cl. 427-376.300.
Oda, Isao; and Kato, Kiminari, 4,839,214, Cl. 428-116.000.
Oda, Isao; and Takahashi, Tomonori, 4,843,040, Cl. 501-92.000.
Oda, Isao, 4,843,047, Cl. 501-143.000.
Oda, Isao; and Tsuno, Nobuo, 4,854,025, Cl. 29-156.80R.
Oda, Isao; and Ishida, Yoshihiko, 4,856,970, Cl. 417-407.000.
Oda, Isao, 4,866,829, Cl. 29-156.80R.
Oda, Isao, 4,871,266, Cl. 384-42.000.
Oda, Isao; and Soma, Takao, 4,874,674, Cl. 428-469.000.
Ogasawara, Takayuki; Wakasa, Akinori; Hosokawa, Hideki; Machida, Minoru; and Kondo, Itsuo, 4,809,654, Cl. 123-271.000.
Ohta, Takashi; and Kariya, Mikio, 4,865,414, Cl. 350-96.210.
Okamoto, Magoji; and Hiraki, Akimitsu, 4,830,749, Cl. 210-323.200.
Oshima, Shinji; and Shimada, Hiromi, 4,810,458, Cl. 264-555.000.
Oshima, Shinji; and Shimada, Hiromi, 4,857,245, Cl. 264-25.000.
Otaka, Masashi; and Asai, Showji, 4,818,317, Cl. 156-89.000.
Ozaki, Sei; Inoue, Satoru; and Futamura, Shoji, 4,883,420, Cl. 425-464.000.
Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, 4,796,149, Cl. 361-117.000.
Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, 4,835,508, Cl. 338-21.000.
Shibata, Kazuyoshi; and Mizutani, Yoshihiko, 4,882,033, Cl. 204-425.000.
Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.
Shinoda, Katsuro; Kawaguchi, Toshiyuki; Katsukawa, Hiroyuki; and Tanaka, Naoki, 4,833,726, Cl. 455-89.000.
Shirai, Masahiro; and Takahashi, Tomonori, 4,818,733, Cl. 501-97.000.
Soma, Takao; and Takahashi, Tomonori, 4,795,724, Cl. 501-98.000.
Soma, Takao; and Takahashi, Tomonori, 4,801,414, Cl. 264-65.000.
Takahashi, Nobuo, 4,870,359, Cl. 324-229.000.
Takeuchi, Yukihisa; and Masumori, Hideo, 4,814,304, Cl. 501-15.000.
Takeya, Fuminori; Fukuda, Naoya; and Suzuki, Miki, 4,875,970, Cl. 156-645.000.
Terashima, Tomonari, 4,834,646, Cl. 432-4.000.
Tsunekawa, Kyosuke; Fukuta, Ken; and Iwabuchi, Muneyuki, 4,820,667, Cl. 501-104.000
Ukai, Noriyuki; Hayakawa, Issei; Miyamoto, Mithuru; and Matsuhisa, Tadaaki, 4,820,665, Cl. 501-97.000.
Usami, Jun; and Kodachi, Toru, 4,851,103, Cl. 204-406.000.
Usami, Jun; Hattori, Akinobu; and Sasaki, Yuichi, 4,875,981, Cl. 204-1.00T.
Wakasa, Akinori; Mizoguchi, Kazuyuki; and Machida, Minoru, 4,834,042, Cl. 123-271.000.
Wakasa, Akinori; Machida, Minoru; Miyakawa, Yasuhiro; and Asami, Seiichi, 4,856,472, Cl. 123-270.000.
Watanabe, Akihiro; and Mori, Shigeo, 4,814,551, Cl. 174-189.000.
Watanabe, Keiichiro; and Ohashi, Tsuneaki, 4,883,781, Cl. 501-102.000.
Watanabe, Keiichiro; and Ohashi, Tsuneaki, 4,888,312, Cl. 501-102.000.
Yajima, Yasuhito, 4,864,271, Cl. 338-4.000.
Yamada, Toshio; and Oshima, Norio, 4,834,863, Cl. 204-429.000.
Yamada, Tsutomu, 4,858,393, Cl. 51-237.000.
Yamamoto, Kojuro; and Torita, Katsutoshi, 4,809,600, Cl. 100-193.000.
Yasuda, Keiji; Nakasako, Kazuo; and Miyahara, Kazuhiro, 4,856,987, Cl. 432-128.000.
Yoshida, Akiihiko; and Soma, Takao, 4,865,896, Cl. 428-116.000.
Yoshida, Shuichi; Sawada, Eiji; and Jinno, Akio, 4,816,228, Cl. 422-159.000.
NGK Insulators, Ltd: *See—*
  Tamaki, Yoji; Kino, Takuya; Ito, Takashi; and Nakamura, Akihiko, 4,860,461, Cl. 34-68.000.
NGK Spar Plug Co., Ltd.: *See—*
  Baba, Hidetoshi, 4,801,564, Cl. 501-92.000.
NGK Spark Plug Co.: *See—*
  Kondo, Kazuo; Shiromizu, Hisaharu; Morikawa, Asao; and Sukegawa, Tsuneyuki, 4,810,528, Cl. 427-96.000.
NGK Spark Plug Co., Inc.: *See—*
  Ueha, Sadayuki; Kurosawa, Minoru; and Masuda, Michiyuki, 4,885,499, Cl. 310-328.000.
NGK Spark Plug Co., Ltd.: *See—*
  Akao, Shigeaki; Kawamura, Mitsuyoshi; and Kojima, Takio, 4,796,517, Cl. 92-187.000.
  Akao, Shigeaki; Taniguchi, Masato; and Kojima, Takio, 4,803,766, Cl. 29-156.40R.
  Akao, Shigeaki; Taniguchi, Masato; and Ito, Masaya, 4,850,095, Cl. 29-447.000.
  Akao, Shigeaki; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,872,431, Cl. 123-188.0AA.
  Akao, Shigeaki; and Taniguchi, Masato, 4,875,442, Cl. 123-90.390.
  Ando, Minato; Ito, Masaaki; and Mizuno, Fumio, 4,866,016, Cl. 501-134.000.
  Banno, Hisao, 4,841,494, Cl. 367-157.000.
  Fumio, Mizuno; and Kenji, Ito, 4,829,032, Cl. 501-137.000.
  Furusaki, Keizo; Nasu, Mineji; Matsuura, Toshitaka; Takami, Akio; and Okawa, Teppei, 4,857,275, Cl. 422-98.000.
  Ichie, Tsugumi; and Ando, Minoru, 4,882,925, Cl. 72-356.000.
  Iio, Satoshi; and Okuno, Akiyasu, 4,840,853, Cl. 428-698.000.
  Kagawa, Junichi; Saiki, Yoshiaki; and Amano, Kozo, 4,881,403, Cl. 73-115.000.
  Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.00T.
  Kito, Tomohisa; Yabuta, Katsuhisa; and Hattori, Yoshinori, 4,878,812, Cl. 416-241.00B.
  Kojima, Takao; Ishiguro, Hiroyuki; Kawachi, Yoshiki; and Yamada, Tetsusyo, 4,806,739, Cl. 219-543.000.
  Kojima, Takao; and Yamada, Tetsusyo, 4,840,854, Cl. 428-698.000.
  Kojima, Takao; Ishiguro, Hiroyuki; and Kami, Yoshihide, 4,863,584, Cl. 204-425.000.
  Kojima, Takio; and Taniguchi, Masato, 4,881,500, Cl. 123-188.0AA.
  Kondo, Kazuo; Sukegawa, Tsuneyuki; and Morikawa, Asao, 4,801,067, Cl. 228-123.000.
  Kondo, Kazuo; Morikawa, Asao; and Iwata, Hiroshi, 4,837,408, Cl. 174-68.500.
  Kondo, Kazuo, Kurachi, Tatsunori; and Okuyama, Masahiko, 4,839,313, Cl. 501-14.000.
  Kondo, Kazuo; Morikawa, Asao, Iwata, Hiroshi; and Shibata, Yoshimasa, 4,871,608, Cl. 428-209.000.
  Matsumura, Shuzo; Mizuno, Takanori; Aoki, Noboru; and Suzuki, Takahire, 4,873,466, Cl. 313-131.00R.
  Matsuura, Tooru; Ishida, Noboru; and Kawamura, Mitsuyoshi, 4,796,576, Cl. 123-90.430.
  Matsuura, Tooru; and Narita, Yoshinori, 4,881,498, Cl. 123-90.390.
  Matsuura, Tooru; and Taniguchi, Masato, 4,887,568, Cl. 123-270.000.
  Miyata, Shigeru; and Matsubara, Yoshihiro, 4,824,244, Cl. 356-133.000.
  Miyata, Shigeru; and Matsubara, Yoshihiro, 4,843,248, Cl. 250-574.000.
  Miyata, Shigeru; and Sawada, Toshiki, 4,884,066, Cl. 340-633.000.
  Morii, Hiroaki, 4,802,369, Cl. 73-116.000.
  Narita, Yoshinori; and Kawamura, Mitsuyoshi, 4,873,952, Cl. 123-270.000.
  Nishio, Hisaharu; and Okumura, Toshio, 4,883,643, Cl. 422-94.000.
  Ogura, Kohji; and Ogawa, Kasumi, 4,876,675, Cl. 367-155.000.
  Ohya, Kanji; and Ogura, Kohji, 4,869,111, Cl. 73-811.000.
  Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi; and Yamamoto, Takashi, 4,874,727, Cl. 501-134.000.
  Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,800,137, Cl. 428-698.000.
  Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,877,760, Cl. 501-98.000.
  Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,808,135, Cl. 445-7.000.
  Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,814,665, Cl. 313-141.000.
  Sato, Yasushi; Nagasaki, Shigeru; Taniguchi, Masato; Kagawa, Junichi; and Kawamura, Mitsuyoshi, 4,838,218, Cl. 123-188.0AA.
  Sugimoto, Eisuke; Tanizawa, Yoshiyasu; and Kozuka, Zensaku, 4,855,034, Cl. 204-427.000.
  Suzuki, Junichiro; and Kinukawa, Tatsuji, 4,839,315, Cl. 501-87.000.
  Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.
  Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, 4,864,259, Cl. 333-189.000.
  Taniguchi, Masato; and Narita, Yoshinori, 4,828,009, Cl. 164-98.000.
  Taniguchi, Masato; Kawamura, Mitsuyoshi; Ishida, Noboru; and Ito, Masaya, 4,841,922, Cl. 123-90.510.
  Urashima, Kazuhiro; Watanabe, Masakazu; Tajima, Yo; and Nakanishi, Kenji, 4,880,756, Cl. 501-97.000.
  Wakita, Naomasa, 4,885,498, Cl. 310-328.000.
  Yagi, Hideaki; Kojima, Takahito; and Horii, Katsuhiko, 4,801,211, Cl. 374-28.000.
  Yamada, Tetsusyo; Hayakawa, Nobuhiro; and Yokota, Kazunori, 4,836,906, Cl. 204-410.000.
  Yamada, Tetsusyo; and Ichikawa, Sadao, 4,839,018, Cl. 204-425.000.

Ngo, Dang: *See—*
  Okawa, Dobson; Pang, Wing S.; Ngo, Dang; and Shibata, George, 4,858,155, Cl. 364-557.000.
Ngo, Dinh T.: *See—*
  Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,190, Cl. 364-752.000.
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  Steigerwald, Robert L.; and Ngo, Khai D. T., 4,864,479, Cl. 363-17.000.
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Ngo, Tuan V.: *See—*
  Hester, Richard E.; and Ngo, Tuan V., 4,827,222, Cl. 330-257.000.
  Hester, Richard E.; and Ngo, Tuan V., 4,843,342, Cl. 330-257.000.
Nguyen, Bich N.: *See—*
  Carp, Stuart L.; Swain, Howard L.; and Nguyen, Bich N., 4,878,027, Cl. 328-15.000.
Nguyen, Bich-Yen: *See—*
  Teng, Ker-Wen; Wang, Karl L.; Nguyen, Bich-Yen; and Wu, Wei, 4,890,144, Cl. 357-23.400.
Nguyen, Chinh K.; and Flicek, Charles A., to NCR Corporation. Single cycle store operations in a virtual memory. 4,797,817, 1-10-89, Cl. 364-200.000.
Nguyen D., Dinh: *See—*
  Brigham, William D.; and Nguyen D., Dinh, 4,819,454, Cl. 62-52.000.
Nguyen, Dam C.: *See—*
  Niggemann, Richard F.; and Nguyen, Dam C., 4,880,055, Cl. 165-167.000.
Nguyen, Dat: *See—*
  Sansevero, Frank M.; Seehausen, Klaus; Rivera, James A.; Nguyen, Dat; and Borchers, Peter, 4,883,160, Cl. 198-328.000.
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  Alexander, James C.; and Nguyen, Hoa, 4,847,935, Cl. 14-71.300.
Nguyen, Hoa T.: *See—*
  Liapis, Athanasios I.; Findley, Marshall E.; and Nguyen, Hoa T., 4,874,524, Cl. 210-672.000.
Nguyen, Hung C.: *See—*
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Nguyen, Kim Y. T.: *See—*
  Fitzgerald, Brian F.; Nguyen, Kim Y. T.; and Nguyen, Son V., 4,811,067, Cl. 357-23.600.
Nguyen, Le C., to Ford Motor Company. Movable grill. 4,834,436, 5-30-89, Cl. 293-115.000.
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  Maher, John P.; and Nguyen, Pascaline H., 4,811,162, Cl. 361-308.000.
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  Rawlinson, Stephen J.; Nguyen, Quang H.; and Simmonds, Stephen M., 4,802,088, Cl. 364-200.000.
  Rawlinson, Stephen J.; Nguyen, Quang H.; and Wade, R. Morse, 4,817,048, Cl. 364-761.000.
Nguyen, Qui L.: *See—*
  Malfroid, Pierre; Nguyen, Qui L.; and Blondin, Jean-Marie, 4,826,934, Cl. 525-412.000.
Nguyen, Qui Long: *See—*
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Nguyen, Son T.: *See—*
  Lakshmanan, Pallavoor R.; and Nguyen, Son T., 4,857,594, Cl. 525-98.000.
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  Sherry, Randy; Federico, Anthony M.; and Nguyen, Tuan A., 4,870,644, Cl. 371-16.100.
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NHK Spring Co., Ltd.: *See—*
  Fukumura, Takeo; Shinbori, Takeyoshi; and Ezure, Nobuya, 4,828,231, Cl. 267-64.230.

- Matsubara, Kousuke; and Fukumura, Takeo, 4,813,519, Cl. 188-299.000.
- Mutoh, Naoto; and Ojima, Juji, 4,838,840, Cl. 474-138.000.
- Niikura, Yoshiharu; Fukumura, Takeo; and Umetsu, Chiharu, 4,858,898, Cl. 267-218.000.
- Nishiyama, Masakazu; Shinbori, Takeyoshi; and Yamamoto, Hideo, 4,886,256, Cl. 267-221.000.
- Shinbori, Takeyoshi; Takadera, Ichiro; and Taguchi, Kohei, 4,880,213, Cl. 267-64.270.
- Uozumi, Koji, 4,798,488, Cl. 400-124.000.

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  - Svensson, Anders, 4,861,491, Cl. 210-691.000.
- NI Industries, Inc.: *See—*
  - Hempelmann, Heinrich J., 4,844,551, Cl. 307-37.0SS.
  - Hempelmann, Heinrich J.; and Pruss, Eugene M., 4,884,851, Cl. 301-37.0PB.
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- Niagara Lockport Industries Inc.: *See—*
  - Brown, Charles M.; and Doughty, Robert B., Jr., 4,870,997, Cl. 139-172.000.
- Niagara Medical Innovations Inc.: *See—*
  - Alaybayoglu, Erdem; Anderson, Ian D.; and Griffin, Robert J., 4,823,244, Cl. 362-194.000.
- Niagara Mohawk Power Corporation: *See—*
  - Fernandes, Roosevelt A.; and Sieron, Richard L., 4,808,917, Cl. 324-127.000.
  - Fernandes, Roosevelt A.; and Sieron, Richard L., 4,886,980, Cl. 307-64.000.
  - Panchison, Joseph J., Jr., 4,842,244, Cl. 251-26.000.
  - Smith-Vaniz, William R.; and Montgomery, John R., 4,795,973, Cl. 324-126.000.
  - Smith-Vaniz, William R., 4,796,027, Cl. 340-870.030.
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- Niall, Hugh D.: *See—*
  - Hudson, Peter J.; Shine, John; Niall, Hugh D.; and Tregear, Geoffrey W., 4,871,670, Cl. 435-172.300.
- Nibbelink, Donald W.: *See—*
  - Dempski, Robert E.; Scholtz, Edward C.; Nibbelink, Donald W.; and Reines, Scott A., 4,832,957, Cl. 424-469.000.
- Nibby, Chester M., Jr.: *See—*
  - Barlow, George J.; Keeley, James W.; and Nibby, Chester M., Jr., 4,799,222, Cl. 371-51.000.
  - Barlow, George J.; Keeley, James W.; and Nibby, Chester M., Jr., 4,833,601, Cl. 364-200.000.
- Nicaise, Maryvonne: *See—*
  - Gauneus, Gilbert; Nicaise, Maryvonne; and Tran, Kifu O., 4,888,019, Cl. 623-18.000.
- Nicastro, Antonio: *See—*
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
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- Nice-Pak Products, Inc.: *See—*
  - Caputo, Garry L.; Saldarelli, Thomas A.; and Dwan, William E., 4,840,270, Cl. 206-205.000.
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  - Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.
  - Shibata, Kenichi; Kimura, Kouichi; Hara, Tomohiko; and Takagi, Tatsuo, 4,849,382, Cl. 501-95.000.
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- Nichiei Yauhin Kogyo Co., Ltd.: *See—*
  - Iri, Eiji; and Tabira, Masatoshi, 4,850,664, Cl. 350-96.200.
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  - Kotani, Yasuo; Yamawaki, Kengi; and Nishida, Minoru, 4,863,493, Cl. 55-20.000.
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  - Rohrschneider, Larry R.; and Nichols, Everett J., 4,837,237, Cl 514-62.000.
- Nichols, Gary H.: *See—*
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  - Armstrong, Laurence P.; Libby, Scott A.; Peterson, James L.; and Norberg, Roger J., 4,843,775, Cl. 52-656.000.
  - Libby, Scott A.; Pliml, Frank V., Jr.; Johnson, William M.; Armstrong, Laurence P.; and Peterson, James L., 4,850,078, Cl. 16-100.000.
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- Nicholson, David J.: *See—*
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- Nicholson Manufacturing Company: *See—*
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  - Nicholson, Oscar T., III, 4,815,229, Cl. 43-42.470.
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- Nicholson, Ronald H.: *See—*
  - Miner, Jay G.; Dean, Dave; Decuir, Joseph C.; Nicholson, Ronald H.; and Tanaka, Akio, 4,874,164, Cl. 273-1.00E.
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- Nicholson, William J.: *See—*
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- Nichter, Larry W.: *See—*
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- Nichtweiss, Bernd: *See—*
  - Sattler, Hans-Peter; and Nichtweiss, Bernd, 4,883,584, Cl. 209-38.000.
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- Nick Vaccaro International: *See—*
  - Vaccaro, Nicola, 4,876,756, Cl. 5-455.000.
- Nickason, Barry E.; and DiGirolamo, Orazio, to CCL Industries Inc. Recovery of propellant from aerosol can filling operation. 4,872,491, 10-10-89, Cl. 141-20.000.
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- Nickel, Bernd: *See—*
  - Emig, Peter; Engel, Juergen; Scheffler, Gerhard; Weischer, Carl H.; and Nickel, Bernd, 4,851,420, Cl. 514-352.000.
- Nickel, Gerhard E. B.: *See—*
  - Herron, Gene A.; Nickel, Gerhard E. B.; and Alberghini, Alfred C., 4,813,557, Cl. 215-329.000.
- Nickel, Hans; Wissmann, Michael; and Scholz, Horst, to Andreas Stihl. Centrifugal clutch. 4,819,779, 4-11-89, Cl. 192-105.0BA.
- Nickel, Hans: *See—*
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- Nickel, Herbert W., to A. O. Smith Corporation. Method of forming a composite tubular structure. 4,853,060, 8-1-89, Cl. 156-172.000.
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- Nickel, Wilhelm: *See—*
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- Nickels, Richard C., Jr.; and Podhorniak, Gary S., to Black & Decker, Inc. Transformer support assembly. 4,800,357, 1-24-89, Cl. 336-198.000.
- Nickels, William M.: *See—*
  - True, Karen J.; Griffin, G. Barbara; Griffin, Daniel V.; and Nickels, William M., 4,824,247, Cl. 356-244.000.
- Nickerson, David L. Insulated building block. 4,856,249, 8-15-89, Cl. 52-405.000.

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Foulard, Jean; Nicolas, Jacques; and Mignot, Jean-Francois, 4,805,688, Cl. 164-475.000.

Nicolas, Jean-Pierre, to ETS. Augier S.A. Tap changing power regulator for airport lighting. 4,816,738, 3-28-89, Cl. 323-258.000.

Nicolas, Pierre. Projecting apparatus with spherical screen, more particularly for advertising purposes. 4,859,053, 8-22-89, Cl. 353-74.000.

Nicolas, Yves J. M. Safety valve. 4,817,665, 4-4-89, Cl. 137-494.000.

Nicolay, David, to Picker International, Inc. X-ray television imaging using digital circular blanking. 4,884,291, 11-28-89, Cl. 378-99.000.

Nicolay, David: *See*—

Plut, Leonard F.; and Nicolay, David, 4,802,002, Cl. 358-111.000.

Nicolay GmbH: *See*—

Muz, Edwin, 4,835,340, Cl. 174-119.00R.

Muz, Edwin, 4,842,557, Cl. 439-851.000.

Muz, Edwin, 4,869,691, Cl. 439-686.000.

Nicolet Corporation: *See*—

Burch, Robert V., 4,799,001, Cl. 318-640.000.

Nicolet Instrument Corporation: *See*—

Badeau, Robert R., 4,847,878, Cl. 377-19.000.

Carmean, Ronald E., 4,835,379, Cl. 250-213.0VT.

Carmean, Ronald E., 4,855,832, Cl. 358-183.000.

Crystal, Kevin R., 4,798,478, Cl. 384-12.000.

Cummins, Kenneth L.; Hecox, Kurt E.; and Williamson, Malcolm J., 4,887,299, Cl. 381-68.400.

Furno, Gregory S.; and Kellner, Steven, 4,816,813, Cl. 340-724.000.

Geisler, C. Daniel; and Chan, Chi-Kong J., 4,809,708, Cl. 128-746.000.

Hecox, Kurt E.; and Schmitt, Paul A., 4,813,430, Cl. 128-746.000.

Henderson, Jeff R.; Jablonski, Michael; and Adams, Gregory E., 4,844,614, Cl. 356-346.000.

Spencer, Robert B., 4,874,943, Cl. 250-281.000.

Nicolet, Richard; and Koch, Daniel, to ETA SA Fabriques d'Ebauches. Passive transponder. 4,890,111, 12-26-89, Cl. 342-51.000.

Nicoletti, Adolph E.: *See*—

Plevyak, Jerome B.; and Nicoletti, Adolph E., 4,832,342, Cl. 273-149.00R.

Nicoletti, Robert J.: *See*—

Van Brunt, Michael K.; Nicoletti, Robert J.; and Hager, Jeffrey J., 4,820,201, Cl. 439-610.000.

Nicoli, David F.; and Elings, Virgil B. Automatic dilution system. 4,794,806, 1-3-89, Cl. 73-863.010.

Nicoli, Robert; and Clauson, Karl S., to Panduit Corp. Cable mount. 4,805,856, 2-21-89, Cl. 248-74.300.

Nicolich, Patrick, to FAG Kugelfischer Georg Schafer (KGaA). High speed anti-friction bearing particularly for airplane power plants. 4,797,014, 1-10-89, Cl. 384-490.000.

Nicolin, Johannes: *See*—

Corsten, Leonard; Collienne, Franz-Joseph; and Nicolin, Johannes, 4,841,875, Cl. 105-224.050.

Nicoll, Harry G., to Helix Technology Corporation. Cryogenic refrigerator compressor with externally adjustable by-pass/relief valve. 4,799,359, 1-24-89, Cl. 62-6.000.

Nicoll, James D. Beach carpet. 4,854,773, 8-8-89, Cl. 405-19.000.

Nicollet Technologies, Inc.: *See*—

Hagedorn, Guenter E., 4,823,378, Cl. 379-233.000.

Hagedorn, Guenter E., 4,843,620, Cl. 379-21.000.

Nicollini, Germano, to SGS-Thomson Microelectronics s.r.L. High precision amplification circuit of small size and low power consumption for integrated circuits. 4,849,707, 7-18-89, Cl. 330-9.000.

Nicollini, Germano; and Confalonieri, Pierangelo, to SGS-Thomson Microelectronics S.p.A. TTL-compatible cell for CMOS integrated circuits. 4,888,500, 12-19-89, Cl. 307-475.000.

Nicollini, Germano: *See*—

Confalonieri, Pierangelo; Senderowicz, Daniel; and Nicollini, Germano, 4,799,042, Cl. 341-118.000.

Confalonieri, Pierangelo; Pernici, Sergio; and Nicollini, Germano, 4,883,993, Cl. 307-542.100.

Pernici, Sergio; Nicollini, Germano; and Senderowicz, Daniel, 4,829,266, Cl. 330-253.000.

Nicolon B.V.: *See*—

Vermeulen, Jan, 4,878,446, Cl. 114-27.000.

Nicolotti, Robert A., to Mallinckrodt, Inc. Radiolabeled antibody fragments. 4,837,003, 6-6-89, Cl. 424-1.100.

Nicolotti, Robert A.; and Dean, Richard T., to Mallinckrodt, Inc. Coupling agents for joining radionuclide metal ions with biologically useful proteins. 4,861,869, 8-29-89, Cl. 530-402.000.

Nicolson, Garth L.; Nakajima, Motowo; and Irimura, Tatsuro, to Board of Regents, The University of Texas System. Endoglycosidase assay. 4,859,581, 8-22-89, Cl. 435-4.000.

Nicor, Inc.: *See*—

Cook, Jeffrey A., 4,797,509, Cl. 174-84.00C.

Nicosia, Raymond P.: *See*—

Glab, John A.; Nicosia, Raymond P.; and Yopp, W. Trent, 4,804,203, Cl. 280-707.000.

Nicotra, Mario: *See*—

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,872,007, Cl. 340-870.010.

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,881,071, Cl. 340-870.130.

Nicotra Sistemi S.p.A.: *See*—

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,872,007, Cl. 340-870.010.

Monterosso, Gianpaolo; Marazzi, Riccardo; Nicotra, Mario; and Manenti, Luciano, 4,881,071, Cl. 340-870.130.

Nicowski, Anthony T.: *See*—

Rabideau, Brian; Laughlin, William D.; Kissman, Kenneth; and Nicowski, Anthony T., 4,885,771, Cl. 379-354.000.

Nicowski, Edward. Horse "Z" guide. 4,813,213, 3-21-89, Cl. 54-6.00R.

Niddam, Roger: *See*—

Karcher, Gilles; Amor, Max; Niddam, Roger; and Villemot, Jean-Pierre, 4,804,358, Cl. 600-17.000.

Nidiffer, Charles A.; Anson, James H.; Ephraim, Daniel R.; and Ephraim, Philip C., to Bunn-O-Matic Corporation. Discharge chute unit for coffee grinders. 4,813,622, 3-21-89, Cl. 241-100.000.

Nidola, Antonio; Schira, Renato; and de Nora, Oronzio, to S.E.R.E. S.r.l. Permanent anode. 4,834,851, 5-30-89, Cl. 204-114.000.

Nidola, Antonio: *See*—

de Nora, Oronzio; and Nidola, Antonio, 4,869,799, Cl. 204-252.000.

Niebauer, Kenneth L.; and Lockard, Thomas A., to Kennametal Inc. Cutting insert with chip control. 4,834,592, 5-30-89, Cl. 407-114.000.

Niebes, Paul: *See*—

Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.

Niebling, Peter, to FAG Kugelfischer Georg Schafer (KGaA). Device for the automatic shifting of a tensioning roller. 4,842,570, 6-27-89, Cl. 474-118.000.

Nieboer, Keith A.; and Tucker, Herbert D., to Donnelly Corporation. Method for forming a molded assembly with an embedded part. 4,861,540, 8-29-89, Cl. 264-263.000.

Nieboer, Keith A.: *See*—

Morgan, Cleon C.; and Nieboer, Keith A., 4,858,988, Cl. 296-201.000.

Niebylski, Leonard M., to Ethyl Corporation. Preceramic compositions and ceramic products. 4,873,353, 10-10-89, Cl. 556-402.000.

Niechoj, Wolfgang: *See*—

Alt, Claus-Christian; Gobel, Rudolf; Koch, Heinz; Niechoj, Wolfgang; Grossmann, Theodor; and Deffner, Felix, 4,877,258, Cl. 277-212.0FB.

Nied, Herman F., to General Electric Company. Roller forming of thermoplastic sheet material. 4,818,460, 4-4-89, Cl. 264-310.000.

Nied, Herman F.; and Inzinna, Louis P., to General Electric Company. Method of forming multilayer composite panels with specular surface. 4,838,974, 6-13-89, Cl. 156-222.000.

Nied, Roland; and Hackl, Herbert, to Alpine Aktiengesellschaft. Method for the continuous production of granulates from a solid in a fluidized bed of material. 4,804,146, 2-14-89, Cl. 241-5.000.

Nieda, Seiichi: *See*—

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,808,567, Cl. 503-220.000.

Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.

Niedballa, Ulrich: *See*—

Gries, Heinz; Niedballa, Ulrich; and Weinmann, Hanns-Joachim, 4,845,090, Cl. 514-212.000.

Niedecker, Herbert. Method for the precise geometrical positioning of work pieces. 4,832,326, 5-23-89, Cl. 269-329.000.

Niedenhoff, Udo: *See*—

Blank, Kurt; Halberschmidt, Friedrich; Reinmold, Heinz-Josef; Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Niedenhoff, Udo, 4,853,019, Cl. 65-106.000.

Niederer, Kurt: *See*—

Terry, Byron R.; and Niederer, Kurt, 4,810,270, Cl. 55-294.000.

Niederer, Kurt W. Yarn tension control apparatus and method. 4,858,839, 8-22-89, Cl. 242-47.090.

Niederer, Kurt W.: *See*—

Hagewood, John F.; Niederer, Kurt W.; and McCoy, Daniel W., Sr., 4,852,225, Cl. 28-187.000.

Niederhuefner, Detlev; Hahn, Guenter; and Baczyzmalski, Andrzej, to Siemens Aktiengesellschaft. Combined high voltage connecting and grounding switch. 4,876,417, 10-24-89, Cl. 200-48.00V.

Niederjaufner, Guido; Pontoglio, Achille; Storti, Giuseppe; Morbidelli, Massimo; and Carr', Sergio, to Caffaro S.p.A. Societa per l'Industria Chimica ed Elettrochimica. Process for separating mixed monochlorotoluene isomers, a plant for carrying out the process, and the isomers separated in this manner. 4,795,839, 1-3-89, Cl. 570-211.000.

Niedermayr, Erich; and Griessbach, Robert, to Siemens Aktiengesellschaft. Non-contacting measuring system for precision characteristics, particularly of industrial robots. 4,880,992, 11-14-89, Cl. 250-561.000.

Niedermeier, Johann: *See*—

Brehm, Gerhard; and Niedermeier, Johann, 4,811,722, Cl. 125-11.00R.

Brehm, Gerhard; Langsdorf, Karlheinz; Niedermeier, Johann; and Glas, Johann, 4,844,047, Cl. 125-13.00R.

Niedermeyer, William: *See*—

Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; Niedermeyer, William; and Pawlak, Paul, 4,883,558, Cl. 156-292.000.

Niederst, Ken W.: *See*—

Karabin, Richard F.; Niederst, Ken W.; Sandala, Michael G.; and Coleridge, Edward R., 4,812,215, Cl. 204-181.700.

Niedospial, John J.: *See*—

Carmichael, Even P.; Niedospial, John J.; Covington, Roger G.; and Muller, Bruce R., 4,813,063, Cl. 378-182.000.

Covington, Roger G.; Muller, Bruce R.; Carmichael, Evan P.; and Niedospial, John J., 4,807,271, Cl. 378-182.000.

Niedospial, John J., Jr., to Eastman Kodak Company. Film cassette. 4,883,235, 11-28-89, Cl. 242-71.100.

Niedospial, John J., Jr.; and Fairman, Patricia D., to Eastman Kodak Company. Film cassette. 4,883,236, 11-28-89, Cl. 242-71.100.

Niedospial, John J., Jr.; Robertson, Jeffrey C.; and Fraser, Mark D., to Eastman Kodak Company. Film cassette. 4,887,112, 12-12-89, Cl. 354-275.000.

Niedospial, John J., Jr., to Eastman Kodak Company. Film cassette and method of assembling the same. 4,887,113, 12-12-89, Cl. 354-275.000.

Niedospial, John J., Jr.; and Bush, Bradley S., to Eastman Kodak Company. Film cassette. 4,887,776, 12-19-89, Cl. 242-71.100.

Niedrig, Franklin F., to Strapex AG. Apparatus for connecting overlapping ends of thermoplastic band material. 4,871,414, 10-3-89, Cl. 156-494.000.

Niedringhaus, Joyce C.; and Lowry, Michael L., to Armco Inc. Fluidizing a lime-silica slag. 4,874,428, 10-17-89, Cl. 75-30.000.

Nieduzak, Thaddeus R.: *See*—

Carr, Albert A.; Nieduzak, Thaddeus R.; Miller, Francis P.; and Sorensen, Stephen M., 4,870,083, Cl. 514-317.000.

Niedzwiecki, Joseph L.; and Wolfe, Ralph G., to Exxon Research and Engineering Company. Process for removing hydrogen sulfide from waste water. 4,853,002, 8-1-89, Cl. 55-19.000.

Niego, Shlomo; Galun, Esra; and Levy, Margalith, to Yeda Research Development Company Limited. Production of hybrid cucumber seeds. 4,822,949, 4-18-89, Cl. 800-1.000.

Nieh, Edward C. Y.; Lin, Jiang-Jen; and Speranza, George P., to Texaco Inc. Aqueous fluids thickened with fatty acid modified polyoxyalkylene diamines. 4,795,581, 1-3-89, Cl. 252-77.000.

Niehaus, Jeffrey A.; and Kronlage, John W., to Texas Instruments Incorporated. Register stack for a bit slice processor microsequencer. 4,835,738, 5-30-89, Cl. 364-900.000.

Niehaus, Jeffrey A.; Fleck, Robert G.; Li, Stephen; and Strong, Bob D., to Texas Instruments Incorporated. Digital crossbar switch. 4,852,083, 7-25-89, Cl. 370-58.000.

Niehaus, Manfred, to Werner Kammann Maschinenfabrik GmbH. Rotary multicolor printing press. 4,864,927, 9-12-89, Cl. 101-181.000.

Niehoff, Raymond L.: *See*—

Feeney, Robert D.; Prosise, Robert L.; McGrady, Joseph; and Niehoff, Raymond L., 4,876,102, Cl. 426-550.000.

Niekamp, Carl W.; and Seidman, Martin, to A. E. Staley Manufacturing Company. Enrichment of fructose syrups. 4,888,060, 12-19-89, Cl. 127-60.000.

Niel, Jean C.: *See*—

Zampino, Michael J.; Wilson, Richard A.; Mookherjee, Braja D.; and Niel, Jean C., 4,877,769, Cl. 512-11.000.

Nielsen, Benny S. Foot regulator, especially for dental equipment. 4,798,535, 1-17-89, Cl. 433-101.000.

Nielsen, Christian M.; and Bolton, James C., to Industrial Tools, Inc. Tape slitter adjustment means. 4,885,964, 12-12-89, Cl. 83-56.000.

Nielsen, Claus J.: *See*—

Raagaard, Jacob; and Nielsen, Claus J., 4,886,337, Cl. 350-96.200.

Nielsen, Darryl M.: *See*—

LaGrange, Nyle D.; Nielsen, Darryl M.; and Peterson, Terry A., 4,806,083, Cl. 417-423.140.

Nielsen, Edward G.; and Steenwyk, Timothy E., to Laser Alignment, Inc. Apparatus and method for controlling a hydraulic excavator. 4,805,086, 2-14-89, Cl. 364-167.010.

Nielsen, Edward G.; and Steenwyk, Timothy E., to Laser Alignment, Inc. Apparatus and method for controlling a hydraulic excavator. 4,829,418, 5-9-89, Cl. 364-167.010.

Nielsen, Edward G.; and Steenwyk, Timothy E., to Laser Alignment, Inc. Apparatus and method for controlling a hydraulic excavator. 4,866,641, 9-12-89, Cl. 364-559.000.

Nielsen, Edward G., to Laser Alignment, Inc. Self-contained laser-activated depth sensor for excavator. 4,884,939, 12-5-89, Cl. 414-698.000.

Nielsen, Elgard: *See*—

Nielsen, Per G.; Nielsen, Elgard; and Nygaard, Steen, 4,796,933, Cl. 292-265.000.

Nielsen, Ernst P. F. Apparatus for cleaning medical hand instruments and implements for treatment of the hair, skin and/or body. 4,872,235, 10-10-89, Cl. 15-104.920.

Nielsen, Eva K.: *See*—

Nielsen, Hans B.; and Nielsen, Eva K., 4,811,917, Cl. 242-118.100.

Nielsen, Flemming E.: *See*—

Honore, Tage; Drejer, Jorgen; Jacobsen, Poul; and Nielsen, Flemming E., 4,812,458, Cl. 514-249.000.

Jacobsen, Poul; Nielsen, Flemming E.; and Honore, Tage, 4,889,855, Cl. 514-250.000.

Nielsen, Forrest H.; and Hunt, Curtiss D., to United States of America, Agriculture. Use of boron supplements to increase in vivo production of hydroxylated steroids. 4,849,220, 7-18-89, Cl. 424-659.000.
Nielsen, Hans B.; and Nielsen, Eva K. Tube for yarn bobbins. 4,811,917, 3-14-89, Cl. 242-118.100.
Nielsen, Inge, to I.K. Trading Aps. Central heating system and water system and method for controlling the tightness thereof. 4,883,087, 11-28-89, Cl. 137-458.000.
Nielsen, James P.: *See—*
  Purcey, Larry J.; VanderHoff, Douglas A.; Vreeland, Robert H.; Nielsen, James P.; and Ueno, Iowa, 4,835,802, Cl. 5-453.000.
Nielsen, James W.: *See—*
  Corliss, Lyal S.; and Nielsen, James W., 4,822,595, Cl. 424-61.000.
Nielsen, Jan L.: *See—*
  Linda, Karl G.; and Nielsen, Jan L., 4,869,726, Cl. 8-498.000.
Nielsen, John E., to AB Tetra Pak. Arrangement for the control of the flow of contents in a packing machine. 4,809,485, 3-7-89, Cl. 53-503.000.
Nielsen, Kenneth A.: *See—*
  Cavender, Keith D.; Derderian, Edmond J.; Jarrett, Eugene L.; and Nielsen, Kenneth A., 4,882,107, Cl. 264-51.000.
Nielsen, Kirsten K.: *See—*
  Moller, Jens T.; Jacobsen, Niels; Nielsen, Kirsten K.; and Rasmussen, Stig, 4,889,698, Cl. 423-210.000.
Nielsen, Kurt F.: *See—*
  Jensen, Niels D.; Nielsen, Kurt F.; and Larsen, Bent, 4,827,777, Cl. 73-861.190.
Nielsen, Niels J.: *See—*
  Trueba, Kenneth E.; Knight, William R.; and Nielsen, Niels J., 4,882,595, Cl. 346-140.00R.
Nielsen, Ole Bent Ivormose; and Ahnfelt-Ronne, Ian, to Leo Pharmaceutical Products Ltd. Pyridyl and quinoline derivatives. 4,826,987, 5-2-89, Cl. 546-174.000.
Nielsen, Ole K., to Akieselskabet Nordiske Kabel - og Traadfabriker. Method of re-establishing semi-conducting layers around a cable splice, and a sleeve for use in the performance of the method. 4,828,634, 5-9-89, Cl. 156-49.000.
Nielsen, Ole S. M.; and Primdahl, Franz, to Asicomo A/S. Valve. 4,844,415, 7-4-89, Cl. 251-325.000.
Nielsen, Paul L.; and Pavlisko, Joseph A., to Eastman Kodak Company. Toner fusing roll covered with crosslinked elastomeric siloxane copolymer containing diphenylsiloxane recurring units and method of preparation. 4,807,341, 2-28-89, Cl. 29-132.000.
Nielsen, Per, to Coloplast A/S. Annular coupling system for ostomy equipment. 4,828,553, 5-9-89, Cl. 604-339.000.
Nielsen, Per G.; Nielsen, Elgard; and Nygaard, Steen, to V. Kann Rasmussen Industri A/S. Window sash with frame and operating handle. 4,796,933, 1-10-89, Cl. 292-265.000.
Nielsen, Poul E., to Mogens Daugaard. Corner holders for mirrors or similar elements. 4,858,875, 8-22-89, Cl. 248-488.000.
Nielsen, Richard H.: *See—*
  Hays, George E.; Nielsen, Richard H.; Bowen, Chester O.; and Holland, Floyd H., 4,800,014, Cl. 208-157.000.
Nielsen, Robert E., to Grumman Aerospace Corporation. Dynamic system for testing an equipment. 4,799,220, 1-17-89, Cl. 371-25.000.
Nielsen, Robert J.: *See—*
  Gordon, Eugene I.; Nielsen, Robert J.; and Stafford, John W., 4,818,053, Cl. 350-96.180.
Nielsen, Rudy B.: *See—*
  Checkly, Robert W.; and Nielsen, Rudy B., 4,865,158, Cl. 187-7.000.
Nielsen, Runo R.: *See—*
  Madsen, Knud E.; and Nielsen, Runo R., 4,888,529, Cl. 315-370.000.
Nielsen, Steen E., to Instituttet for Produktudvikling. Nozzle for laser processing. 4,871,897, 10-3-89, Cl. 219-121.670.
Nielsen, Thomas F., to N & S Ltd. Golf swing trainer. 4,889,343, 12-26-89, Cl. 273-186.00A.
Nielsen, Wade S.; and Abshier, Steven L. Utility cage for vehicles. 4,824,157, 4-25-89, Cl. 296-100.000.
Nielson, David L., to Sterner Industries, Inc. Dual valve system. 4,832,079, 5-23-89, Cl. 137-613.000.
Nielson, Jay P. Pollution-free, resource recovery, garbage disposal/fuel burning plant. 4,829,911, 5-16-89, Cl. 110-234.000.
Nieison, Jay P. Recovery of oil from oil-bearing formation by continually flowing pressurized heated gas through channel alongside matrix. 4,856,587, 8-15-89, Cl. 166-272.000.
Nielson, Theodore, Jr.: *See—*
  Grier, Donald A.; and Nielson, Theodore, Jr., 4,843,762, Cl. 49-378.000.
Nieman Design Systems Inc.: *See—*
  Gurzynski, Richard M.; and Nieman, Janice M., 4,815,611, Cl. 211-88.000.
Nieman, Janice M.: *See—*
  Gurzynski, Richard M.; and Nieman, Janice M., 4,815,611, Cl. 211-88.000.
Niemann, Edwin H.: *See—*
  Arch, Paul E.; and Niemann, Edwin H., 4,798,749, Cl. 428-36.500.
  Arch, Paul E.; and Niemann, Edwin H., 4,840,759, Cl. 264-53.000.
Niemann, Gary O. Apparatus for obtaining a random sample. 4,811,832, 3-14-89, Cl. 198-443.000.
Niemann, Gary O. Ash conveyer. 4,848,535, 7-18-89, Cl. 198-550.120.
Niemann, Klaus: *See—*
  Christ, Hubertus; Niemann, Klaus; and Mehren, Herbert, 4,836,475, Cl. 246-169.00R.
  Dohler, Werner; Holighaus, Rolf; and Niemann, Klaus, 4,810,365, Cl. 208-262.100.
  Kretschmar, Klaus; Merz, Ludwig; Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.
Niemeijer, Frank T.: *See—*
  van Laar, Jacobus; Niemeijer, Frank T.; and Stokman, Ronald J., 4,852,859, Cl. 266-197.000.
Niemela, Pekka. Carrying strap for a weapon. 4,819,844, 4-11-89, Cl. 224-150.000.
Niemela Seppo, to Limitek Oy. Thermal gradient-incubator. 4,865,9[illegible]7, 9-12-89, Cl. 435-290.000.
Niemeyer, Lutz, to BBC Brown, Boveri AG. Gas-blast circuit breaker. 4,843,199, 6-27-89, Cl. 200-148.00R.
Niemeyer, Robert H., III, to AM International Corporation. Pen carriage suspension for graphic recorder. 4,806,954, 2-21-89, Cl. 346-139.00R.
Niemeyer, Robert H., III, to AM International Corporation. Symmetrical braking system for a graphic recorder. 4,827,293, 5-2-89, Cl. 346-139.00R.
Niemeyer, Robert H., III, to AM International Corporation. Automatic pen type sensor for graphic recorder. 4,853,714, 8-1-89, Cl. 346-139.00R.
Niemeyer, Robert H., III, to AM International Corporation. Automatic pen capping mechanism. 4,860,032, 8-22-89, Cl. 346-139.00R.
Niemeyer, Robert H., III, to AM International Corporation. Pen shuttle guide and spring return. 4,873,538, 10-10-89, Cl. 346-139.00R.
Niemi, Antti. Method and apparatus for analyzing a visible object. 4,831,641, 5-16-89, Cl. 377-53.000.
Niemi, Herbert, to Modern Display Plastics. Display vase form. 4,828,209, 5-9-89, Cl. 248-221.100.
Niemi, Jouko; Pyoria, Kaarlo; and Korhonen, Heikki, to OY Finnpulva AB; and Kemira OY. Method and apparatus for improving the grinding result of a pressure chamber grinder. 4,811,907, 3-14-89, Cl. 241-5.000.
Niemi, Monte. Roadway mat and methods for its construction. 4,850,738, 7-25-89, Cl. 404-31.000.
Niemi, Steven M.: *See—*
  Kohn, Joachim B.; Langer, Robert S.; Niemi, Steven M.; and Fox, James G., 4,863,735, Cl. 424-422.000.
Niemi, Thomas J.: *See—*
  Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., 4,834,401, Cl. 280-833.000.
Nieminen, Jorma: *See—*
  Vesa, Juha; and Nieminen, Jorma, 4,843,685, Cl. 19-98.000.
Nieminen, Jorma J., to A. Ahlstrom Corp. Method and apparatus for gasifying carbonaceous material. 4,799,937, 1-24-89, Cl. 48-62.00R.
Nieminen, Tero, to Radiante Oy. Power supply circuit for an X-ray tube. 4,805,080, 2-14-89, Cl. 363-56.000.
Nieminen, Tero; and Nieminen, Timo, to Radiante Oy. Method of photographing an object with a panoramic X-ray apparatus fitted with automatic exposure. 4,815,115, 3-21-89, Cl. 378-38.000.
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  Exner, Fritz; Hagena, Detlef; Hopp, Rudolf; Nienhaus, Jurgen; and Gottsch, Wilhelm, 4,814,322, Cl. 512-25.000.
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  Dillon, Benny N.; Williams, James F.; Niese, Leo J.; and Helle, Amiel R., 4,800,971, Cl. 177-134.000.
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  Akira, Mizusawa; and Kurihara, Kazumasa, 4,874,510, Cl. 210-172.000.
  Asami, Goro, 4,850,773, Cl. 411-173.000.
  Fujii, Hiroshi; and Takahashi, Atsushi, 4,860,494, Cl. 49-493.000.
  Fujiki, Hiroyuki; and Fukumoto, Masumi, 4,807,920, Cl. 296-37.800.
  Hirohata, Toshio, 4,802,804, Cl. 411-433.000.
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  Honma, Masaaki, 4,838,880, Cl. 604-280.000.
  Iguchi, Tatsuya, 4,874,276, Cl. 411-48.000.
  Ikeda, Yasuhiko, 4,800,629, Cl. 24-170.000.
  Ikeda, Yasuhiko, 4,843,688, Cl. 24-170.000.
  Inoue, Yasuhiko, 4,828,236, Cl. 267-182.000.
  Kaneko, Yoshio; Fukuhara, Kunihiro; and Watanabe, Koji, 4,821,381, Cl. 24-297.000.
  Kikuchi, Akio, 4,840,334, Cl. 248-73.000.
  Kimisawa, Toshihide, 4,840,001, Cl. 52-208.000.
  Kimizawa, Toshihide, 4,799,288, Cl. 16-2.000.
  Kong, Alan, 4,796,732, Cl. 188-282.000.
  Kong, Alan, 4,831,694, Cl. 24-625.000.
  Kurihara, Kazumasa, 4,840,522, Cl. 411-44.000.
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  Kurosaki, Mutsuo, 4,817,250, Cl. 24-115.00G.
  Mushya, Takashi, 4,883,382, Cl. 403-405.100.
  Nakayama, Hiromichi, 4,796,733, Cl. 188-291.000.
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  Numata, Masanori, 4,830,151, Cl. 188-290.000.
  Omata, Nobuaki, 4,828,344, Cl. 312-319.000.
  Osada, Hiroshi, 4,884,657, Cl. 181-258.000.
  Oshida, Tsutomu, 4,828,444, Cl. 411-437.000.
  Oshida, Tsutomu, 4,840,523, Cl. 411-48.000.
  Oshida, Tsutomu, 4,856,625, Cl. 188-282.000.
  Saigusa, Yoshiaki, 4,869,125, Cl. 74-574.000.
  Sato, Youji, 4,799,334, Cl. 49-493.000.
  Shibayama, Teruji; and Kaneko, Yoshio, 4,824,304, Cl. 411-171.000.
  Shibayama, Teruji; and Kaneko, Yoshio, 4,832,549, Cl. 411-171.000.
  Shimbara, Sakuzo, 4,848,181, Cl. 74-523.000.
  Shiraishi, Toshiyuki, 4,832,547, Cl. 411-42.000.
  Taima, Hajime, 4,841,601, Cl. 16-361.000.
  Takahashi, Atsushi; and Watari, Haruhiko, 4,881,764, Cl. 292-13.000.
  Takei, Kazuo; Toda, Susumu; Nakaya, Yutaka; and Mita, Akimitsu, 4,833,616, Cl. 364-473.000.
Nifco Kasei Inc.: *See—*
  Takei, Kazuo; Toda, Susumu; Nakaya, Yutaka; and Mita, Akimitsu, 4,833,616, Cl. 364-473.000.
Nifty Products, Inc.: *See—*
  Grace, Ronald R., 4,849,269, Cl. 428-81.000.
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  Nakano, Kyuzo, 4,800,789, Cl. 82-2.00E.
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  - Sofia, Samuel C.; Johnson, Kerrie A.; Crill, Marla S.; Roop, Martin J.; Gotberg, Steven R.; Nigrelli, Anthony S.; and Hutchinson, Laurence S., 4,795,531, Cl. 162-164.600.
- Nigrelli, Nicholas B., to Nigrelli Systems, Inc. Contoured package cover dispenser. 4,805,372, 2-21-89, Cl. 53-48.000.
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- Nigrey, Paul J.: *See—*
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- Nigris, Giovanni; and Manera, Roberto, to Danieli & C. Officine Meccaniche SpA. Withdrawal and discharge device for a vertical continuous casting machine. 4,889,178, 12-26-89, Cl. 164-448.000.
- Nigro, Stephen J.: *See—*
  - Bond, Roger A. L.; and Nigro, Stephen J., 4,835,911, Cl. 51-313.000.
- Nihal, Perwaiz: *See—*
  - Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; and Schnurmann, Henri D., 4,811,082, Cl. 357-80.000.
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- Nihashi, Hiroyuki: *See—*
  - Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, 4,877,681, Cl. 428-336.000.
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- Nihei, Hideki: *See—*
  - Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
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  - Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.
- Nihei, Masao, to Ohi Seisakusho Co., Ltd. Automotive seat slide device. 4,813,643, 3-21-89, Cl. 248-430.000.
- Nihei, Mitsuo: *See—*
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  - Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.
- Nihei, Ryo: *See—*
  - Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, 4,813,844, Cl. 414-730.000.
  - Torii, Nobutoshi; and Nihei, Ryo, 4,827,782, Cl. 74-89.150.
  - Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, 4,828,094, Cl. 192-139.000.
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- Nihira, Shohachi, to Citizen Watch Co., Ltd. Printer device. 4,817,522, 4-4-89, Cl. 101-93.340.
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  - Fukutomi, Osamu, 4,800,607, Cl. 15-103.000.
  - Sugiyama, Yutaka, 4,811,819, Cl. 182-37.000.
  - Yokota, Teruo; Nishiyama, Yoshihiro; and Takasaki, Tadao, 4,809,384, Cl. 15-103.000.
- Nihon Bunko Kogyo Kabushiki Kaisha: *See—*
  - Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.
  - Imahashi, Toru; Maruyama, Naoyuki; Konishi, Hideki; and Saito, Muneo, 4,844,611, Cl. 356-246.000.
  - Wada, Akio; Nakeuchi, Fumiko; and Nishizawa, Seiji, 4,841,145, Cl. 250-304.000.
- Nihon Cement Co., Ltd.: *See—*
  - Nishi, Yoshitsuga; Kawasaki, Kenji; Hayashi, Mutuo; and Yamagishi, Chitake, 4,818,511, Cl. 423-344.000.
  - Sakashita, Kimiaki; Kouno, Masaaki; and Tsukazaki, Hideo, 4,886,533, Cl. 55-498.000.
- Nihon Den-Netsu Keiki Co., Ltd.: *See—*
  - Kondo, Kenshi, 4,848,642, Cl. 228-37.000.
  - Kondo, Kenshi, 4,874,081, Cl. 198-803.900
  - Kondo, Kenshi, 4,876,437, Cl. 219-388.000.
  - Kondo, Kenshi, 4,889,273, Cl. 228-8.000.
- Nihon Dennetsu Co., Ltd.: *See—*
  - Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi, Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
- Nihon Digital Equipment Corporation: *See—*
  - Takase, Shigeto; Yamaguchi, Shigeaki; and Ushioda, Kentaro, 4,864,198, Cl. 318-254.000.
- Nihon Dimple Carton Co., Ltd.: *See—*
  - Kato, Eiji; Kuboshima, Katsumi; and Kaneko, Tomoyuki, 4,883,196, Cl. 220-415.000.
- Nihon Joryu Kogyo Co., Ltd.: *See—*
  - Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, 4,831,189, Cl. 562-408.000.
- Nihon Joryu Kogyo Co., Ltd: *See—*
  - Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, 4,814,462, Cl. 548-444.000.
- Nihon Kaiheiki Industrial Company Ltd.: *See—*
  - Fujita, Yasushi; and Saito, Akira, 4,851,619, Cl. 200-6.00R.
  - Kamisada, Koji, 4,882,461, Cl. 200-536.000.
  - Saito, Akira; Nukada, Teisuke; and Ito, Michio, 4,854,041, Cl. 29-884.000.
- Nihon Kaiheiki Kogyo Kabushiki Kaisha: *See—*
  - Ohashi, Shigeo, 4,862,325, Cl. 361-400.000.
- Nihon Kenkou K.K.: *See—*
  - Shimasaki, Shigetaka, 4,856,246, Cl. 52-386.000.
- Nihon Kentetsu Co., Ltd.: *See—*
  - Hirooka, Hiroshi; Saito, Takeshi; and Urabe, Hirobumi, 4,843,671, Cl. 8-159.000.
- Nihon Kohden Corporation: *See—*
  - Aoyagi, Takuo; Kobayashi, Nobutaka; and Sasaki, Tadashi, 4,832,484, Cl. 356-41.000.
- Nihon Magnet Kogyo Kabushiki Kaisha: *See—*
  - Ukai, Norio; and Kondou, Yuzuru, 4,813,294, Cl. 74-388.0PS.
- Nihon Medi-Physics Co., Ltd.: *See—*
  - Azuma, Makoto; Takahashi, Jun; Yamauchi, Hirohiko; and Ueda, Nobuo, 4,880,616, Cl. 424-1.100.
  - Kubodera, Akiko; Tanaka, Touichi; and Komori, Yukimichi, 4,888,163, Cl. 424-1.100.
  - Kurami, Miki; Shirakami, Yoshifumi; Takahashi, Keietsu; and Ueda, Nobuo, 4,855,353, Cl. 525-54.100.
  - Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
- Nihon Metal Gasket Kabushiki Kaisha: *See—*
  - Yoshino, Nobuo, 4,799,695, Cl. 277-231.000.
  - Yoshino, Nobuo, 4,815,750, Cl. 277-235.00B.
  - Yoshino, Nobuo, 4,836,562, Cl. 277-235.00B.
- Nihon Muki Kabushiki Kaisha: *See—*
  - Hasegawa, Takao; and Endo, Hideo, 4,818,340, Cl. 162-125.000.
- Nihon Musen Kabushiki Kaisha: *See—*
  - Yatsuda, Hiromi; Takeuchi, Yoshihiko; Kohda, Toichi; and Yoshikawa, Shokichiro, 4,878,036, Cl. 333-195.000.
- Nihon Naishi Co., Ltd.: *See—*
  - Shigetoyo, Hiromi, 4,860,488, Cl. 43-129.000.
- Nihon Nensho System Kabushiki Kaisha: *See—*
  - Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.
- Nihon Nohyaku Co., Ltd.: *See—*
  - Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.
  - Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, 4,863,504, Cl. 71-92.000.
  - Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, 4,835,153, Cl. 514-249.000.
  - Kubota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; and Uchida, Matazaemon, 4,863,925, Cl. 514-249.000.
  - Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.
  - Nagamine, Masashi; Hiraga, Kunikazu; Sakai, Atsushi; and Uchida, Matazaemon, 4,816,475, Cl. 514-435.000.
- Nihon Parkerizing Co., Ltd.: *See—*
  - Matsuda, Shigeki; Mori, Kazuhiko; Gotou, Wataru; and Ohnuki, Takahiro, 4,880,476, Cl. 148-253.000.
  - Nakagawa, Hiroyoshi; Nishi, Eiichi; and Kanda, Masanori, 4,846,897, Cl. 148-251.000.
  - Nishi, Eiichi; Aso, Fumio; and Nakagawa, Hiroyoshi, 4,808,245, Cl. 148-6.15R.
  - Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
  - Terada, Haruyoshi; Ono, Youji; Satoh, Yokichi; and Kaneko, Hideaki, 4,857,225, Cl. 252-100.000.
- Nihon Plast Co., Ltd.: *See—*
  - Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.
- Nihon Radiator Co., Ltd.: *See—*
  - Hagikura, Hirofumi; and Kawamoto, Haruki, 4,878,001, Cl. 318-446.000.
  - Hidaka, Yoshiaki, 4,870,828, Cl. 62-7.000.
  - Higashihara, Shinichiro; and Shinto, Terukazu, 4,820,132, Cl. 417-222.000.
  - Ikuta, Shiro; Suyama, Eizo; Yokoyama, Masaru; and Yoshimura, Takeshi, 4,796,694, Cl. 165-152.000.
  - Murayama, Koji, 4,860,549, Cl. 62-115.000.
  - Murayama, Koji, 4,867,648, Cl. 417-222.000.
  - Murayama, Kouji, 4,809,518, Cl. 62-225.000.
  - Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, 4,865,249, Cl. 236-92.00C.

  - Suzuki, Masaomi; and Koizumi, Hiroyasu, 4,871,894, Cl. 219-93.000.
  - Uchino, Setsuya, 4,829,208, Cl. 310-268.000.
  - Yasuda, Makoto; and Shimamura, Hiroshi, 4,833,882, Cl. 60-276.000.
- Nihon Seimitsu Sokki Co., Ltd.: *See—*
  - Koshino, Shinji, 4,821,734, Cl. 128-680.000.
- Nihon Shinku Gijutsu Kabushiki Kaisha: *See—*
  - Hayashi, Yasuaki, 4,837,603, Cl. 356-369.000.
  - Kondo, Hitoshi; Kawamura, Hiroaki; Inagawa, Konosuke; Abe, Tetsuya; and Murakami, Yoshio, 4,844,323, Cl. 228-121.000.
  - Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, 4,849,260, Cl. 427-250.000.
  - Maeba, Yoshiyasu; Toyoda, Satoru; and Naruse, Humio, 4,816,046, Cl. 55-209.000.
  - Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; and Tani, Noriaki, 4,804,590, Cl. 428-408.000.
  - Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; Tani, Noriaki; and Higuchi, Yasushi, 4,832,810, Cl. 204-192.150.
  - Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, 4,800,105, Cl. 427-253.000.
  - Naruse, Humio, 4,832,715, Cl. 55-193.000.
  - Okubo, Osamu; Kato, Takeo; and Tsushima, Tetsurou, 4,874,918, Cl. 219-85.110.
  - Suzuki, Takeo; and Yuyama, Junpei, 4,848,814, Cl. 294-1.100.
  - Takayama, Kazuo; Yabe, Eiji; Takagi, Kenichi; Fukui, Ryota; and Kikuchi, Riichi, 4,841,197, Cl. 315-111.810.
- Nihon Speriasha Co., Ltd.: *See—*
  - Nishimura, Tetsuro, 4,816,219, Cl. 420-589.000.
- Nihon Taisanbin Kogyo Kabushiki Kaisha: *See—*
  - Miyagi, Hiroshi; and Ohno, Akihiko, 4,799,947, Cl. 65-158.000.
- Nihon Technical Kabushiki Kaisha: *See—*
  - Hatanaka, Ryousuke, 4,802,039, Cl. 360-96.500.
  - Hatanaka, Ryousuke, 4,873,597, Cl. 360-105.000.
- Nihon Tokkyo Kanri Company Limited: *See—*
  - Inagaki, Hiromichi, 4,874,257, Cl. 383-63.000.
- Nihon Tokushu Noyaku Seizo K.K.: *See—*
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; and Yagi, Shigeki, 4,798,620, Cl. 71-95.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,844, Cl. 71-90.000.
  - Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.
  - Saito, Junichi; Tamura, Tatsuo; Kurahashi, Yoshio; Matsumoto, Noboru; and Yamaguchi, Naoko, 4,804,673, Cl. 514-398.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, 4,812,454, Cl. 514-256.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,812,571, Cl. 546-296.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,845,106, Cl. 514-342.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Moriya, Koichi; and Shibuya, Katsuhiko, 4,880,933, Cl. 544-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
  - Yamada, Yasuo; Saito, Junichi; Tamura, Tatsuo; and Sakawa, Shinji, 4,857,556, Cl. 514-585.000.
- Nihon Tokushu Toryo Co., Ltd.: *See—*
  - Kanda, Shigeru; Shibata, Manabu; Ono, Masayoshi; and Okano, Michikazu, 4,838,939, Cl. 106-281.100.
- Nihondenjihachiryokikenkyusho Co., Ltd.: *See—*
  - Onishi, Teruo, 4,850,340, Cl. 128-24.100.
- Nihonkenkozoshinkenkyukai Co., Ltd.: *See—*
  - Masuda, Isamu, 4,843,738, Cl. 36-44.000.
  - Onishi, Teruo, 4,850,340, Cl. 128-24.100.
- Nii, Akira: *See—*
  - Maeda, Naoyuki; Nii, Akira; Yamamoto, Shunichi; and Uemura, Seiichi, 4,850,836, Cl. 425-72.200.
- Nii, Fumio: *See—*
  - Kojimoto, Susumu; Nii, Fumio; and Mori, Toshio, 4,802,305, Cl. 47-57.600.
- Nii, Kenichi: *See—*
  - Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
- Nii, Yasushi: *See—*
  - Sakakibara, Masayuki; and Nii, Yasushi, 4,803,301, Cl. 562-471.000.
- Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Automotive engine idle speed control device. 4,823,750, 4-25-89, Cl. 123-339.000.
- Niigata Engineering Co., Ltd.: *See—*
  - Hamada, Shuji, 4,798,027, Cl. 51-310.000.
  - Shimura, Shiro; Iwase, Toshio; Sato, Munetaka; and Ozawa, Saburo, 4,816,158, Cl. 210-610.000.
- Niigata, Kunihiro: *See—*
  - Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, 4,868,216, Cl. 514-603.000.
  - Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.
- Niihara, Koichi; and Nakahira, Atsushi, to NGK Insulators, Ltd. SiC-Al_2O_3 composite sintered bodies and method of producing the same. 4,889,834, 12-26-89, Cl. 501-89.000.
- Niihara, Koichi; and Nakahira, Atsushi, to NGK Insulators, Ltd. SiC-Al_2O_3 composite sintered bodies and method of producing the same. 4,889,835, 12-26-89, Cl. 501-89.000.
- Niihara, Toshio: *See—*
  - Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
  - Takayama, Shinji; Niihara, Toshio; Kaneko, Katsuhiro; and Sugita, Yutaka, 4,880,694, Cl. 428-336.000.
- Niijima, Hironobu: *See—*
  - Shibayama, Akinori; and Niijima, Hironobu. 4,835,535, Cl. 341-120.000.
- Niijima, Kenji: *See—*
  - Ogawa, Hiroyasu; Shimazaki, Kenji; and Niijima, Kenji, 4,861,809, Cl. 523-149.000.
- Niikawa, Ryo: *See—*
  - Kawasaki, Yoshinobu; Niikawa, Ryo; and Ikeda, Yuzi, 4,796,346, Cl. 29-700.000.
- Niikawa, Takeo: *See—*
  - Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, 4,812,355, Cl. 428-215.000.
- Niikawa, Takeshi; and Suzuki, Masashi, to Brother Kogyo Kabushiki Kaisha. Driver circuit for piezoelectric actuator, and impact dot-matrix printer using the driver circuit. 4,866,326, 9-12-89, Cl. 310-315.000.
- Niikawa, Takeshi, to Brother Kogyo Kabushiki Kaisha. Printer having adjustable gap between print head and recording medium. 4,881,835, 11-21-89, Cl. 400-56.000.
- Niikura, Isamu, to Shiraishi Electric Corporation. Electric power supply connector. 4,820,176, 4-11-89, Cl. 439-152.000.
- Niikura, Kanako: *See—*
  - Murakami, Yoshikazu; Mizunuma, Yasuyuki; Ohgihara, Takahiro; Nakano, Hiroyuki; Niikura, Kanako; and Okamoto, Tsutomu, 4,887,052, Cl. 331-96.000.
- Niikura, Yoshiharu; Fukumura, Takeo; and Umetsu, Chiharu, to NHK Spring Co., Ltd. Accumulator. 4,858,898, 8-22-89, Cl. 267-218.000.
- Niimi, Hideaki: *See—*
  - Wakai, Kunio; Niimi, Hideaki; and Isoe, Noboru, 4,855,175, Cl. 428-148.000.
- Niimi, Hiroshi: *See—*
  - Kawabata, Susumu; Inoue, Tetsuzo; and Niimi, Hiroshi, 4,879,873, Cl. 57-413.000.
- Niimi, Koji; Kakubo, Yuji; and Ikegaya, Yuji, to Yamaha Corporation. Reverbation imparting device. 4,803,731, 2-7-89, Cl. 381-63.000.
- Niimi, Takatsune: *See—*
  - Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.
- Niimi, Yoshihiro: *See—*
  - Mizutani, Yoichi; Niimi, Yoshihiro; and Harada, Ikuo, 4,849,014, Cl. 75-10.650.
- Niimura, Masateru. Floor-level adjusting device for a pool. 4,831,672, 5-23-89, Cl. 4-495.000.
- Niina, Shinichi: *See—*
  - Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi, 4,864,608, Cl. 379-409.000.
- Niinivaara, Ensi K. J., to Oy GSS General Sea Safety Ltd. Method and apparatus for conducting current to an electrode in arc welding, arc cutting or the like operations. 4,837,420, 6-6-89, Cl. 219-137.00R.
- Niinivaara, Ensi K. J., to OY GSS General Sea Safety Ltd. Apparatus for underwater working. 4,842,154, 6-27-89, Cl. 219-136.000.
- Niinivaara, Juhani; and Makelainen, Hannu. Method, apparatus and element for accomplishing an underwater weld joint. 4,835,355, 5-30-89, Cl. 219-72.000.
- Niino, Hiroaki: *See—*
  - Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,882,251, Cl. 430-57.000.
  - Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,886,723, Cl. 430-65.000.
- Niino, Masahiko. Thermal relay. 4,885,560, 12-5-89, Cl. 337-3.000.
- Niino, Shuhei; Ishimura, Koichi; Okamoto, Ken; and Ohba, Koichi, to Mitsubishi Denki Kabushiki Kaisha. Dimension control device for continuous rolling machine. 4,845,969, 7-11-89, Cl. 72-11.000.
- Niinuma, Akira; and Nagai, Hidenori, to Alps Electric Co., Ltd. Heart-shaped lock cam structure of push switch having single acting and cooperating mechanism. 4,827,087, 5-2-89, Cl. 200-5.00E.

- Niinuma, Fumitoshi: *See—*
  - Omori, Yoshitaka; Suzuki, Kanzi; and Niinuma, Fumitoshi, 4,844,855, Cl. 264-311.000.
- Niinuma, Susumi: *See—*
  - Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.
- Niinuma, Susumu: *See—*
  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro, Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
- Niiro, Makoto: *See—*
  - Fukuju, Yujio; and Niiro, Makoto, 4,853,798, Cl. 360-38.100.
- Niitsuma, Akira: *See—*
  - Saito, Masayuki; Niitsuma, Akira; Ohdaira, Hirosi; Tanuma, Chiaki; and Mori, Miki, 4,857,482, Cl. 437-209.000.
- Niitsuma, Teruo: *See—*
  - Okamoto, Takeshi; Niitsuma, Teruo; and Minagawa, Shoichi, 4,841,470, Cl. 364-821.000.
- Niitsuma, Tetsuya: *See—*
  - Itaya, Masahiko; Niitsuma, Tetsuya; and Okamoto, Syuzi, 4,843,425, Cl. 355-261.000.
- Niittyla, Heikki; Trygg, Hannu; Ljokkoi, Juhani; Poikolainen, Esko; and Vehmaa, Raumo, to Oy Safematic Ltd. Lubrication system. 4,869,463, 9-26-89, Cl. 251-149.600.
- Niiyama, Kenji: *See—*
  - Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,839,353, Cl. 514-212.000.
- Niiyama, Yasusi; and Sugahara, Kenshi, to Hitachi, Ltd. Electrochemical sensor having three layer membrane containing immobilized enzymes. 4,795,707, 1-3-89, Cl. 435-288.000.
- Niizawa, Takuji: *See—*
  - Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.
- Nijboer, Sjoerd: *See—*
  - Voinis, Sylvie; and Nijboer, Sjoerd, 4,822,536, Cl. 264-22.000.
- Nijenhuis, Derk, to N.C.H. Hydraulische Systemen BV. Apparatus for loading and unloading an interchangeable container onto and from a vehicle. 4,802,811, 2-7-89, Cl. 414-478.000.
- Nijenhuis, Harry, to Hydro Mecanique Research S.A. Loading system with trash silos. 4,832,561, 5-23-89, Cl. 414-500.000.
- Nijhawan, Subash-Chander; Daniel, Horst; and Dennstedt, Welf, to Varta Batterie Aktiengesellschaft. Galvanic primary element with negative lithium electrode. 4,840,857, 6-20-89, Cl. 429-197.000.
- Nijhoe, Leonardus B. G. M.: *See—*
  - Verlaan, Johannes P. J.; and Nijhoe, Leonardus B. G. M., 4,808,442, Cl. 427-393.500.
- Nijhuis, Rolf H.: *See—*
  - Chan, Yuen H.; Nijhuis, Rolf H.; Rivadeneira, Carlos G.; and Struk, James R., 4,851,711, Cl. 307-288.000.
- Nijjar, Parmjit S.; and Neff, Joseph J., to PACCAR Inc. Auxiliary air conditioning system for trucks and other heavy duty vehicles. 4,825,663, 5-2-89, Cl. 62-236.000.
- Nikadio, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, to Kabushiki Kaisha Toshiba. Thermal head. 4,835,548, 5-30-89, Cl. 346-76.0PH.
- Nikaido, Hideyuki; Takayuki, Naoi; Komori, Atsushi; and Nihei, Mitsuo, to Kawasaki Steel Corporation; and Hitachi, Ltd. Press apparatus for reducing widths of hot slabs. 4,852,383, 8-1-89, Cl. 72-407.000.
- Nikaido, Hideyuki: *See—*
  - Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
- Nikaido, Katutomo: *See—*
  - Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,859,805, Cl. 174-68.500.
  - Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,885,431, Cl. 174-68.500.
  - Machida, Hideo; Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,806,706, Cl. 174-68.500.
- Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, to Kabushiki Kaisha Toshiba; and Toshiba Chemical Corporation. Heat-resistant polyimide insulative coated thermal head. 4,868,584, 9-19-89. Cl. 346-76.0PH.
- Nikaido, Mitsuhiro: *See—*
  - Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, 4,853,567, Cl. 310-67.00R.
  - Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
- Nikaido, Norio: *See—*
  - Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
- Nikawa, Yoshio: *See—*
  - Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,989, Cl. 128-804.000.
  - Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,990, Cl. 128-804.000.
  - Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,860,770, Cl. 128-804.000.
  - Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,873,995, Cl. 128-804.000.
  - Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,884,580, Cl. 128-804.000.
- Nike, Inc.: *See—*
  - Eisenbach, Lawrence P.; and Allen, Thomas P., III, 4,815,222, Cl. 36-131.000.
  - Robinson, John R.; and Richard, Daniel J., 4,876,806, Cl. 36-114.000.
- Nike, Inc. and Nike International Ltd.: *See—*
  - Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGuirk, Thomas; Potter, Daniel R.; and Potter, Stephen F., 4,817,304, Cl. 36-114.000.
- Nikesch, Ulrich: *See—*
  - Lehmkuhl, Josef; Nikesch, Ulrich; and Presslein, Kurt, 4,861,492, Cl. 210-709.000.
- Niki, Etsuko: *See—*
  - Niki, Motohiro, 4,844,018, Cl. 119-72.500.
- Niki, Hiroshi, to Seiko Epson Corporation. Device and method for storing toner waste. 4,868,599, 9-19-89, Cl. 355-260.000.
- Niki, Hiroshi; Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, to Konishiroku Photo Industry Co., Ltd. Technique for reproducing an image read from a color original. 4,879,595, 11-7-89, Cl. 358-80.000.
- Niki, Hiroshi: *See—*
  - Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.
- Niki, Kenichi; Makita, Tetsuro; and Takasago, Hayato, to Mitsubishi Denki Kabushiki Kaisha. Screen printing apparatus. 4,854,230, 8-8-89, Cl. 101-123.000.
- Niki, Kenichi; Kokogawa, Tohru; Ishizu, Akira; and Takasago, Hayato, to Mitsubishi Denki Kabushiki Kaisha. Testing device for electrical circuit boards. 4,887,030, 12-12-89, Cl. 324-158.00P.
- Niki, Masao; Yasuda, Shinichiro; Yokota, Yukinaga; and Okabe, Kazuhiko, to Kao Corporation. Toner for development of electrostatically charged image. 4,845,002, 7-4-89, Cl. 430-109.000.
- Niki, Masao; and Meiwa, Zenbei, to Kao Corporation. Dry developer composition comprising polymer binder resin and colorant. 4,845,005, 7-4-89, Cl. 430-120.000.
- Niki, Mieko: *See—*
  - Niki, Motohiro, 4,844,018, Cl. 119-72.500.
- Niki, Misako: *See—*
  - Niki, Motohiro, 4,844,018, Cl. 119-72.500.
- Niki, Motohiro, to Niki, Etsuko; Niki, Mieko; and Niki, Misako. Water supplying system for small-animal cages. 4,844,018, 7-4-89, Cl. 119-72.500.
- Nikias, Chrysostomos L.: *See—*
  - Mashikian, Matthew S.; Northop, Robert B.; Bansal, Rajeev; and Nikias, Chrysostomos L., 4,887,041, Cl. 324-533.000.
- Nikiforov, Andrey; and Ventrone, Roger, to Research & Consulting Company A.G. Plethysmographic measuring chamber. 4,841,982, 6-27-89, Cl. 128-716.000.
- Nikitenko, Valery I.: *See—*
  - Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Konchenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
- Nikka Co., Ltd.: *See—*
  - Kasai, Ryusuke, 4,870,800, Cl. 53-88.000.
- Nikka Whisky Distilling Co., Ltd.: *See—*
  - Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,857,460, Cl. 435-91.000.
  - Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,879,230, Cl. 435-172.300.
- Nikken Chemicals Company, Limited: *See—*
  - Kondou, Tsutomu, 4,840,804, Cl. 426-103.000.
  - Kondou, Tsutomu, 4,883,685, Cl. 426-658.000.
  - Kondou, Tsutomu, 4,888,183, Cl. 426-34.000.
- Nikken Tool Co., Ltd.: *See—*
  - Okinaga, Hiroaki, 4,854,788, Cl. 408-59.000.
- Nikki-Universal Co., Ltd.: *See—*
  - Tatsushima, Masaru; and Sakura, Makoto, 4,871,709, Cl. 502-324.000.
- Nikkiso Co., Ltd.: *See—*
  - Arakawa, Kohei; and Ohsaki, Takashi, 4,876,078, Cl. 423-447.300.
  - Imai, Koichi; and Izumichi, Hideo, 4,814,129, Cl. 264-83.000.
  - Ishikura, Kazuo, 4,889,468, Cl. 415-146.000.
  - Kawamura, Takao; and Miyatake, Tetsuya, 4,870,268, Cl. 604-67.000.
  - Tsutsui, Toshiaki; and Akiba, Takashi, 4,808,087, Cl. 417-369.000.
- Nikkiso Eiko Co., Ltd.: *See—*
  - Sakai, Naotake, 4,850,821, Cl. 417-420.000.
- Nikko Co., Ltd.: *See—*
  - Aoki, Dai, 4,877,240, Cl. 273-1.0GA.

  - Ishimoto, Zenichi, 4,854,909, Cl. 446-129.000.
  - Ishimoto, Zenichi, 4,878,876, Cl. 446-446.000.
- Nikko Industry Co., Ltd.: *See—*
  - Udo, Figi, 4,852,120, Cl. 373-95.000.
- Nikkon Chemicals Company, Limited: *See—*
  - Kondou, Tsutomu, 4,886,677, Cl. 426-548.000.
- Niklai, Peter: *See—*
  - Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.
- Niklaus, Hans-Ulrich: *See—*
  - Zehnder, Paul; Niklaus, Hans-Ulrich; Schmiedl, Engelbert; and Patri, Franz, 4,875,236, Cl. 417-360.000.
- Nikolaenko, Gennady V.: *See—*
  - Alexeenko, Boris V.; and Nikolaenko, Gennady V., 4,804,334, Cl. 439-260.000.
- Nikolaus, Heinrich, to Mannesmann Rexroth GmbH. Hydraulic transmission. 4,813,234, 3-21-89, Cl. 60-484.000.
- Nikolaus, John G., to Vilter Manufacturing Company. Connecting rod bearing assembly. 4,856,366, 8-15-89, Cl. 74-605.000.
- Nikolaus, Peter: *See—*
  - Ploog, Uwe; Uphues, Guenter; and Nikolaus, Peter, 4,833,253, Cl. 548-352.000.
- Nikolaus Sorg GmbH & Co. Kg: *See—*
  - Pieper, Helmut, 4,797,092, Cl. 432-95.000.
- Nikolov, Zvetan K.: *See—*
  - Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grozdanova, Ivanka S., 4,822,409, Cl. 75-0.5AA.
- Nikolova, Milka P.: *See—*
  - Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
- Nikon Corporation: *See—*
  - Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaharu; and Sekine, Yoshio, 4,853,723, Cl. 354-145.100.
  - Akabane, Jun; Moro, Ken; and Yamamoto, Masayasu, 4,857,948, Cl. 354-288.000.
  - Akagawa, Masayuki, 4,856,904, Cl. 356-400.000.
  - Akasaka, Hideki; and Sato, Masatoshi, 4,853,912, Cl. 369-73.000.
  - Akasaka, Hideki; and Sato, Masatoshi, 4,855,975, Cl. 369-13.000.
  - Amanuma, Tatuo; Ishizuki, Kenji; and Ohtsubo, Yoshiaki, 4,796,044, Cl. 354-403.000.
  - Anzai, Satoru; and Ohno, Koichi, 4,871,237, Cl. 350-419.000.
  - Anzai, Satoru; and Tanaka, Hiroshi, 4,883,345, Cl. 350-418.000.
  - Aono, Yasuhiro, 4,874,231, Cl. 350-427.000.
  - Arai, Tetsuyuki; Takemoto, Shigeru; and Fujimori, Yoshihiko, 4,870,693, Cl. 382-8.000.
  - Endo, Tatuso; and Niwa, Tatsuo, 4,824,221, Cl. 350-357.000.
  - Furuhashi, Hidehiko, 4,803,892, Cl. 74-479.000.
  - Hamanishi, Yoshinari; Shiokama, Yoshiharu; Imanari, Hitoshi; and Ohmori, Sachio, 4,796,045, Cl. 354-400.000.
  - Hayano, Fuminori; Imamura, Kazunori; Murata, Sunao; and Kato, Kinya, 4,889,998, Cl. 250-563.000.
  - Hikima, Ikuo; Miyaji, Akira; Kamiya, Saburo; and Tanimoto, Akikazu, 4,820,899, Cl. 219-121.760.
  - Hoshino, Kunihisa, deceased; Hamanishi, Yoshinari; and Utagawa, Ken, 4,841,325, Cl. 354-402.000.
  - Ichihara, Yutaka, 4,851,978, Cl. 362-268.000.
  - Imai, Yuji, 4,831,272, Cl. 250-548.000.
  - Imamura, Kazunori; Hayano, Fuminori; Kakizaki, Yukio; and Kobayashi, Jiro, 4,803,373, Cl. 250-561.000.
  - Ishiguro, Yasuaki; Nara, Yoshio; and Araki, Yoshitaka. 4,849,819, Cl. 358-213.130.
  - Ishiguro, Yasuaki, 4,881,097, Cl. 354-402.000.
  - Ishizaka, Shoji; Mizutani, Hideo; Makinouchi, Susumu; and Tanimoto, Akikazu, 4,801,977, Cl. 355-30.000.
  - Ishizuki, Kenji; Hagiuda, Nobuyoshi; Yokonuma, Norikazu; and Hamanishi, Yoshinari, 4,804,991, Cl. 354-403.000.
  - Kamiya, Saburo; Suzuki, Kazuaki; and Tanimoto, Akikazu, 4,853,745, Cl. 355-43.000.
  - Katoh, Kinya; and Matsuura, Toshio, 4,801,208, Cl. 356-401.000.
  - Kimura, Keita; Takatsu, Norihiko; and Yamamoto, Tetsuya, 4,890,166, Cl. 358-228.000.
  - Kodama, Hiroyuki; Mangyo, Katsumi; and Ichimura, Takeo, 4,812,423, Cl. 501-55.000.
  - Kusaka, Yosuke; and Utagawa, Ken, 4,812,636, Cl. 250-201.000.
  - Makagawa, Shozo; Onishi, Shunichi; and Takagi, Akihiro, 4,802,021, Cl. 358-342.000.
  - Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
  - Matsumoto, Kohichi, 4,812,028, Cl. 350-444.000.
  - Matsumoto, Koichi; Suenaga, Yutaka; Uehara, Makoto; and Muramatsu, Kiyoyuki, 4,798,962, Cl. 250-548.000.
  - Mizutani, Hideo; Sato, Isao; and Shibuya, Masato, 4,864,123, Cl. 250-225.000.
  - Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and Suwa, Kyoichi, 4,806,987, Cl. 355-53.000.
  - Moriyama, Keiji, 4,840,469, Cl. 350-427.000.
  - Morohashi, Kazuo; Miyake, Nobuyuki; and Gonda, Tsunemi, 4,798,457, Cl. 351-235.000.
  - Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, 4,860,374, Cl. 382-48.000.
  - Nishi, Kenji, 4,829,193, Cl. 250-548.000.
  - Nishi, Kenji, 4,856,905, Cl. 356-401.000.
  - Nishi, Kenji, 4,880,310, Cl. 356-401.000.
  - Ogasawara, Akira, 4,841,324, Cl. 354-402.000.
  - Ogawa, Hidehiro; and Kazami, Kazuyuki, 4,812,699, Cl. 310-316.000.
  - Ogawa, Hidehiro, 4,814,802, Cl. 354-105.000.
  - Ohno, Koichi; Higashi, Kenji; and Tateno, Hiroki, 4,803,524, Cl. 355-53.000.
  - Ohsawa, Keiji, 4,833,494, Cl. 354-152.000.
  - Ohshita, Koichi, 4,856,880, Cl. 350-418.000.
  - Sekine, Atushi, 4,867,549, Cl. 350-572.000.
  - Shimizu, Hisayuki, 4,849,901, Cl. 364-468.000.
  - Shiokama, Yoshiharu; Ohta, Naoto; Okano, Hiroshi; and Inadome, Kiyotaka, 4,806,000, Cl. 350-430.000.
  - Shirasu, Hiroshi, 4,880,308, Cl. 356-401.000.
  - Sousa, Toshio; Wakamiya, Koichi; Wakabayashi, Hiroshi; Kanai, Hachiro; and Miyamoto, Hidenori, 4,871,242, Cl. 350-431.000.
  - Takagi, Akihiro; and Kimoto, Kiyoshi, 4,858,218, Cl. 369-109.000.
  - Takagi, Tadao; and Fukuhara, Toru, 4,809,030, Cl. 354-414.000.
  - Tanimoto, Akikazu; Tanaka, Issei; and Miyaji, Akira, 4,870,452, Cl. 355-53.000.
  - Tanimoto, Akikazu, 4,884,101, Cl. 355-68.000.
  - Terui, Nobuhiko; Kusaka, Yosuke; Shiokama, Yoshiharu; and Sasagaki, Nobuaki, 4,881,094, Cl. 354-286.000.
  - Uehara, Makoto; Matsumoto, Koichi; Suenaga, Yutaka; and Muramatsu, Kiyoyuki, 4,795,244, Cl. 356-401.000.
  - Uehara, Makoto; Ichikawa, Hajime; Yomoto, Masahiko; and Kato, Shigeru, 4,859,832, Cl. 219-411.000.
  - Umatate, Toshikazu, 4,833,621, Cl. 364-491.000.
  - Utagawa, Ken; and Hamanishi, Yoshinari, 4,812,868, Cl. 354-402.000.
  - Utagawa, Ken; and Hoshino, Kunihisa, deceased, 4,816,663, Cl. 250-201.000.
  - Wakabayashi, Hiroshi; Kazami, Kazuyuki; Sosa, Toshio; and Miyamoto, Hidenori, 4,825,235, Cl. 354-195.120.
  - Wakabayashi, Hiroshi; Tsukahara, Daiki; Machida, Kiyosada; Katano, Yuji; and Miyamoto, Hidenori, 4,843,411, Cl. 354-187.000.
  - Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.
  - Wakabayashi, Hiroshi, 4,864,338, Cl. 354-187.000.
  - Wakamiya, Koichi, 4,832,470, Cl. 350-453.000.
  - Wakamiya, Koichi, 4,836,665, Cl. 350-476.000.
  - Yamada, Tomoaki; and Ishii, Yuwa, 4,853,923, Cl. 369-120.000.
  - Yanagisawa, Masaaki, 4,812,027, Cl. 350-463.000.
  - Yomoto, Masahiko; Uehara, Makoto; Ichikawa, Hajime; and Kato, Shigeru, 4,890,245, Cl. 364-557.000.
- Nikonchuk, Andrei N.: *See—*
  - Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Kholmovsky, Alexandr S.; and Nikonchuk, Andrei N., 4,867,661, Cl. 425-34.200.
- Nikoonahad, Mehrdad, to North American Philips Corporation. Ultrasound flow measurement apparatus. 4,852,575, 8-1-89, Cl. 128-660.010.
- Niks, Mikhail. Hand and wrist exercising means. 4,836,531, 6-6-89, Cl. 272-67.000.
- Niksa, Andrew J.: *See—*
  - Turley, Homer L.; Niksa, Marilyn J.; Pohto, Gerald R.; and Niksa, Andrew J., 4,828,939, Cl. 429-38.000.
- Niksa, Marilyn J.: *See—*
  - Turley, Homer L.; Niksa, Marilyn J.; Pohto, Gerald R.; and Niksa, Andrew J., 4,828,939, Cl. 429-38.000.
- Nikstat, Siegmar: *See—*
  - Beck, Hans W.; and Nikstat, Siegmar, 4,813,828, Cl. 409-132.000.
- Nikulainen, Osmo; and Kainu, Vesa, to Valmet Oy. Method and device in an adjustable crown roll. 4,856,154, 8-15-89, Cl. 29-113.100.
- Nikura, Hideo, to Sony Corporation. Linear motor. 4,803,388, 2-7-89, Cl. 310-12.000.
- Nikura, Hideo, to Sony Corporation. Linear motor. 4,883,994, 11-28-89, Cl. 310-12.000.
- Nilarp, Anders, to International Rectifier Corporation. Metallizing system for semiconductor wafers. 4,878,099, 10-31-89, Cl. 357-71.000.
- Niles, Gerald J.; Chamberlin, Davis W.; and Ahlberg, Carl S., to Minnesota Mining and Manufacturing Company. Storage container for diskettes. 4,815,600, 3-28-89, Cl. 206-444.000.
- Niles Parts Co., Ltd.: *See—*
  - Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,836,323, Cl. 180-270.000.
  - Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,844,507, Cl. 280-802.000.
  - Saito, Masatsugu; Ikeda, Chikamasa; and Takeoda, Seisei, 4,808,897, Cl. 318-568.000.
- Nill, Eberhard, to Nokia Graetz GmbH. Shadow mask mounting apparatus in a color picture tube. 4,806,819, 2-21-89, Cl. 313-404.000.
- Nillesen, Antonius H. H. J., to U.S. Philips Corporation. Recursive first order digital video signal filter. 4,809,207, 2-28-89, Cl. 364-724.030.
- Nilmen, Fehmi: *See—*
  - Grunthaler, Karl-Heinz; Langbein, Dieter; Nilmen, Fehmi; and Winter, Heinrich, 4,818,283, Cl. 75-247.000.

- Nils Weibull AB: *See—*
  - Hejman, Conny; Koran, Laszlo; and Mossheden, Bo, 4,818,296, Cl. 127-2.000.
- Nilsen, Arild. Radome ladder. 4,869,345, 9-26-89, Cl. 182-163.000.
- Nilsen, Carl J.; and Weiss, Hardy P., to PRC Corp. Gas laser apparatus, method and turbine compressor therefor. 4,817,111, 3-28-89, Cl. 372-58.000.
- Nilsen, Magne P., to Den norske stats oljeselskap a.s. Cementing apparatus and method for execution of cementing operation. 4,858,692, 8-22-89, Cl. 166-285.000.
- Nilsen, Morten N. Arrangement in a purse or bag secured against theft. 4,882,815, 11-28-89, Cl. 24-303.000.
- Nilsen, Trond; and Normann, Erling C. Machine for adjustable longitudinal corrugating of sheet materials. 4,875,354, 10-24-89, Cl. 72-180.000.
- Nilson, Billy: *See—*
  - Bottger, Erik; and Nilson, Billy, 4,828,150, Cl. 222-207.000.
- Nilson, Nils B., to Tally Safe Systems AB. Seal. 4,826,027, 5-2-89, Cl. 215-230.000.
- Nilssen, Ole K. Resonant inverter having frequency control. 4,819,146, 4-4-89, Cl. 363-98.000.
- Nilssen, Ole K. Electronic wall switch actuator. 4,835,413, 5-30-89, Cl. 307-141.000.
- Nilssen, Ole K. Indirect office lighting system. 4,835,915, 6-6-89, Cl. 52-28.000.
- Nilssen, Ole K. Controlled-frequency series-resonant ballast. 4,851,739, 7-25-89, Cl. 315-278.000.
- Nilssen, Ole K. Ground-fault protected ballast. 4,855,860, 8-8-89, Cl. 361-45.000.
- Nilssen, Ole K. Self-ballasted screw-in fluorescent lamp. 4,857,806, 8-15-89, Cl. 315-72.000.
- Nilssen, Ole K. Frequency-modulated inverter-type ballast. 4,862,040, 8-29-89, Cl. 315-244.000.
- Nilssen, Ole K. Combined telephone and power distribution system. 4,866,757, 9-12-89, Cl. 379-90.000.
- Nilssen, Ole K. Electronic ballast unit with integral light sensor and circuit. 4,874,989, 10-17-89, Cl. 315-151.000.
- Nilssen, Ole K. MOSFET flyback converter. 4,882,663, 11-21-89, Cl. 363-19.000.
- Nilssen, Ole K. Electronic magnetron power supply. 4,885,506, 12-5-89, Cl. 315-102.000.
- Nilssen, Ole K. Self-oscillating inverter with adjustable frequency. 4,887,201, 12-12-89, Cl. 363-132.000.
- Nilssen, Ole K. Sun tanning apparatus having electronic operating system. 4,888,525, 12-19-89, Cl. 315-212.000.
- Nilssen, Ole K. Operating system for sun tanning apparatus. 4,888,526, 12-19-89, Cl. 315-324.000.
- Nilssen, Ole K. Fluorescent lamp resonant ballast. 4,890,039, 12-26-89, Cl. 315-119.000.
- Nilsson, Ake: *See—*
  - Stroby, Lennart; Nilsson, Ake; and Ask, Arne, 4,865,631, Cl. 55-163.000.
- Nilsson, Allan, to J&L Tank, Inc. Compartmentalized pneumatic vessel filtering and unloading system. 4,823,989, 4-25-89, Cl. 222-189.000.
- Nilsson, Bo, to Alfa-Laval Thermal AB. Plate heat exchanger. 4,874,039, 10-17-89, Cl. 165-78.000.
- Nilsson, Bo: *See—*
  - Akerberg, Jan; and Nilsson, Bo, 4,834,773, Cl. 30-382.000.
- Nilsson, Bo G.; and Andersson, Torgny, to Alfa-Laval Thermal, AB. Device to prevent through-flow of a port in a plate heat exchanger. 4,871,013, 10-3-89, Cl. 165-75.000.
- Nilsson, Bo Goran: *See—*
  - Jonsson, Nils-Ake; Nilsson, Bo Goran; and Persson, Hans-Lennart, 4,848,451, Cl. 165-167.000.
- Nilsson, Boo, to Litton Systems, Inc. Substrate holder for wafers during MBE growth. 4,877,573, 10-31-89, Cl. 156-610.000.
- Nilsson, Carl R., to FTZ Industries, Inc. Electrical connector. 4,828.511, 5-9-89, Cl. 439-395.000.
- Nilsson, Folke: *See—*
  - Ingelsten, Ragnar; and Nilsson, Folke, 4,809,900, Cl. 227-116.000.
- Nilsson, Hans-Arne, to Saab Instruments Aktiebolag. Anti-aircraft sight. 4,823,674, 4-25-89, Cl. 89-41.220.
- Nilsson, Hans-Arne, to Saab Instruments Aktiebolag. Anti-aircraft sight. 4,876,942, 10-31-89, Cl. 89-41.220.
- Nilsson, Harry. Filter for concentrating suspensions. 4,889,625, 12-26-89, Cl. 210-331.000.
- Nilsson, Ingmar, to TX Controls AB. Push-pull control, e.g., a hand throttle or stop control for internal combustion engines. 4,840,079, 6-20-89, Cl. 74-500.500.
- Nilsson, Ingvar: *See—*
  - Rausing, Hans; and Nilsson, Ingvar, 4,814,043, Cl. 162-286.000.
- Nilsson, Isidro G.: *See—*
  - Bailey, Paul F., Jr.; Nilsson, Isidro G.; and Alf, George M., 4,870,964, Cl. 128-303.100.
- Nilsson, Jan: *See—*
  - Adlerborn, Jan; Larker, Hans; and Nilsson, Jan, 4,883,639, Cl. 419-49.000.
- Nilsson, Jerry: *See—*
  - Tengstrand, Goran; Lindblom, Boris; Nilsson, Jerry; and Lunden, Peter, 4,878,561, Cl. 181-188.000.
- Nilsson, John S. Fixating device. 4,794,919, 1-3-89, Cl. 128-92.0YK.
- Nilsson, Kenth, to Qenico AB. Piezoelectric pump. 4,842,493, 6-27-89, Cl. 417-322.000.
- Nilsson, Kenth, to Siemens Aktiengesellschaft. Method and apparatus for increasing inking resolution in an ink mosaic recording device. 4,890,122, 12-26-89, Cl. 346-140.00R.
- Nilsson, Mats; Tagesson, Bernt; and Novak, Ladislav, to Alfa-Laval Thermal AB. Gasket for plate heat exchanger. 4,872,506, 10-10-89, Cl. 165-166.000.
- Nilsson, Nils H., to Saab-Scania Aktiebolag. Arrangements for damping shifting movements in transmissions. 4,817,766, 4-4-89, Cl. 188-281.000.
- Nilsson, Per I.: *See—*
  - Lindqvist, Bengt; Hogstrom, Bjarne; Sandberg, Martin; and Nilsson, Per I., 4,795,461, Cl. 623-6.000.
- Nilsson, Sten, to SE-Produkter. Device for detection of relative movements and/or positions of a part of the body or the like. 4,800,897, 1-31-89, Cl. 128-782.000.
- Nilsson, Sven E.: *See—*
  - Lilja, Jan E.; and Nilsson, Sven E., 4,848,376, Cl. 131-352.000.
- Nilsson, Sven W., to SKF Nova AB. Screw and nut device equipped with a rotation brake. 4,832,550, 5-23-89, Cl. 411-262.000.
- Nilsson, Tomas, to Bio-Instructa Labkonsult. Method of determining hypersensitivity to an allergen. 4,812,402, 3-14-89, Cl. 435-29.000.
- Nilsson, Tore: *See—*
  - Andersson, Rolf J.; Pajes, Chajkiel; Hoglund, Kjell; Nilsson, Tore; Husebye, Ragnar; Hoyland, Sigbjorn; Lindland, Hans; Mong, Tore; and Nesse, Erling, 4,805,951, Cl. 294-116.000.
- Nilsson, Torsten C., to Petainer S.A. Method of producing a container. 4,803,024, 2-7-89, Cl. 264-80.000.
- Nilsson, Ulf C., to Nomafa AB. Device in roll-up doors. 4,889,176, 12-26-89, Cl. 160-264.000.
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  - Putman, Rob R.; Nimpoeno, Roy; and Alves, Roger J., 4,868,715, Cl. 361-422.000.
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  - Lin, Mei-Jan L.; Mouche, Richard J.; Nimry, Baker N.; and Fong, Dodd W., 4,818,506, Cl. 423-242.000.
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  - Masukawa, Toyoaki; Tsuda, Yasuo; Ninomiya, Hidetaka; Nakayama, Noritaka; and Kimura, Toshihiko, 4,818,672, Cl. 430-558.000.
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  - Okada, Satoru, 4,813,682, Cl. 273-312.000.
  - Ueda, Hiroo; and Yagi, Hiromitsu, 4,824,106, Cl. 273-1.00E.
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  - Saijo, Yoshihiro, 4,820,179, Cl. 439-224.000.
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  - Hata, Yasuhisa; and Akamatsu, Osamu, 4,796,5[illegible]3, Cl. 92-5.00R.
  - Hata, Yasuhisa; and Akamatsu, Osamu, 4,811,651, Cl. 92-29.000.
  - Hata, Yasuhisa; and Kitaue, Masaaki, 4,812,148, Cl. 55-162.000.
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  - Hatimaki, Takeshi, 4,819,123, Cl. 361-23.000.
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  - Imayoshi, Mamoru, 4,854,220, Cl. 91-376.00R.
  - Ishiwata, Ichiro; and Nakagawa, Keiji, 4,813,450, Cl. 137-505.250.
  - Iwaizako, Akihiro; Nishii, Hiroshi; and Maruta, Seiki, 4,799,740, Cl. 303-15.000.
  - Kamaji, Hideo, 4,845,428, Cl. 324-174.000.
  - Kamemoto, Katsuaki; and Nakaharai, Ken, 4,809,505, Cl. 60-591.000.
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  - Matsumura, Yoshihiro, 4,804,235, Cl. 303-9.680.
  - Nakao, Yasuo, 4,854,647, Cl. 303-69.000.
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  - Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masuko, Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, Cl. 198-346.200.
- Nippon Aleph Corporation: *See—*
  - Nakada, Tsutomu; and Naka, Yasuhiro, 4,837,537, Cl. 335-153.000.
- Nippon Aluminium Mfg. Co., Ltd., The: *See—*
  - Kato, Shuichiro; Kinoshita, Yoshihiro; and Kinoshita, Masao, 4,830,100, Cl. 165-104.140.
- Nippon Aluminum Manufacturing Company, Ltd., The: *See—*
  - Manable, Koichi; Naka, Mitsumura; and Futamura, Mitsushi, 4,882,042, Cl. 209-138.000.
- Nippon Antenna Co., Ltd.: *See—*
  - Takizawa, Akio; and Saito, Syozo, 4,879,570, Cl. 343-713.000.
- Nippon Brown Coal Liquefaction Co., Ltd.: *See—*
  - Hirokoh, Nobuyoshi; Kageyama, Yoichi; Nakako, Yukio; and Matsumura, Tetsuo, 4,818,374, Cl. 208-413.000.
- Nippon Cable System Inc.: *See—*
  - Iwasaki, Kenji, 4,850,084, Cl. 24-115.00R.
  - Kobayashi, Tetuo, 4,813,304, Cl. 74-501.50R.
  - Kobayashi, Tetuo; and Hirai, Shoichi, 4,840,080, Cl. 74-501.50R.
  - Suzuki, Kazuhiro, 4,809,656, Cl. 123-361.000.
  - Suzuki, Kazuhiro, 4,829,845, Cl. 74-502.400.
  - Suzuki, Kazuhiro, 4,879,922, Cl. 74-500.500.
  - Yagi, Mikiya, 4,839,620, Cl. 335-219.000.
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  - Maruyama, Masatoshi; Hasegawa, Yukinobu; and Tange, Toyokichi, 4,797,339, Cl. 430-109.000.
  - Murao, Kazuhiro; and Maruta, Akira, 4,826,907, Cl. 524-394.000.
- Nippon Ceramic Co., Ltd.: *See—*
  - Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, 4,800,278, Cl. 250-338.100.
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  - Naitoh, Kazumi; and Arakawa, Yoshiaki, 4,888,666, Cl. 361-512.000.
  - Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.
  - Shimpo, Tetsuhiko; Fujihata, Isao; and Yanase, Atsushi, 4,823,023, Cl. 307-254.000.
  - Shinozaki, Fumihiko; and Yokoyama, Yutaka, 4,810,400, Cl. 252-62.200.
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  - Yokoyama, Yutaka; and Shinozaki, Fumihiko, 4,885,115, Cl. 252-62.200.
- Nippon Chemical Industrial Co., Ltd.: *See—*
  - Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.

  - Tsuchiya, Hiromu; Nabekawa, Shukichi; and Takada, Masao, 4,857,238, Cl. 562-820.000.
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  - Maruko, Saburo, 4,798,192, Cl. 126-91.00A.
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  - Kogure, Kyuya; and Masaki, Mitsuo, 4,804,657, Cl. 514-218.000.
  - Kogure, Kyuya; and Masaki, Mitsuo, 4,835,155, Cl. 514-255.000.
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  - Kawakami, Shin; Haruyama, Satoshi; Okonogi, Hirotaka; Nikaido, Katutomo; and Mukai, Norito, 4,859,805, Cl. 174-68.500.
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  - Seki, Kameharu; and Kubo, Isamu, 4,856,424, Cl. 101-128.400.
- Nippon Colin Co., Ltd.: *See—*
  - Branstetter, Ronald L.; and Edgar, Reuben W., Jr., 4,796,636, Cl. 128-633.000.
  - Edgar, Reuben W., Jr., 4,854,699, Cl. 356-41.000.
  - Jaeb, Jonathan P.; Gilstad, Dennis W.; and Branstetter, Ronald L., 4,880,304, Cl. 356-41.000.
  - Nagai, Toshihiko; and Nakagawa, Tsuneo, 4,838,276, Cl. 128-686.000.
  - Peel, H. Herbert, Converse, Merle E.; McGinnis, William H.; Shirley, Donald J.; and Prudhomme, John P., 4,803,996, Cl. 128-710.000.
  - Perry, William D.; Heihn, Donald H.; and Peel, H. Herbert, 4,800,892, Cl. 128-677.000.
  - Perry, William D.; and Winter, Dean C., 4,830,017, Cl. 128-672.000.
  - Perry, William D.; and Heihn, Donald H., 4,832,039, Cl. 128-680.000.
  - Wenzel, Dennis J.; Winter, Dean C.; and Honeyager, Kevin S., 4,836,213, Cl. 128-672.000.
- Nippon Columbia Co., Ltd.: *See—*
  - Goto, Masao; and Hayashi, Hideaki, 4,831,615, Cl. 369-223.000.
- Nippon Columbia Kabushikikaisha: *See—*
  - Kobayashi, Yoshikazu, 4,825,304, Cl. 358-342.000.
- Nippon Co., Ltd.: *See—*
  - Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl. 252-312.000.
- Nippon Conlux Co., Ltd.: *See—*
  - Kobayashi, Osamu; and Akagawa, Masaki, 4,850,468, Cl. 194-207.000.
  - Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
  - Watabe, Masayuki; and Sugimoto, Osamu, 4,847,475, Cl. 235-483.000.
- Nippon Denshi Kiki Co., Ltd.: *See—*
  - Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.
  - Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
  - Tomisawa, Naoki, 4,800,857, Cl. 123-489.000.
- Nippon Denso Co., Ltd.: *See—*
  - Shirai, Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, 4,862,575, Cl. 29-424.000.
- Nippon Donaldson Ltd.: *See—*
  - Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, 4,866,932, Cl. 60-288.000.
- Nippon Door Check Mfg. Co., Ltd.: *See—*
  - Demukai, Enzo; and Monobe, Haruto, 4,850,417, Cl. 160-207.000.
- Nippon Elanco Kabushiki Kaisha: *See—*
  - Yamamoto, Taizo; Konishi, Hirokazu; Kawaguchi, Yoshihisa; and Ohnishi, Yoshizumi, 4,811,802, Cl. 177-1.000.
  - Yamamoto, Taizo; and Konishi, Hirokazu, 4,884,602, Cl. 141-242.000.
- Nippon Electric Co., Ltd.: *See—*
  - Eguchi, Hirotugu, 4,799,101, Cl. 357-59.000.
  - Manabe, Daisuke, 4,882,616, Cl. 358-44.000.
  - Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, 4,857,001, Cl. 439-68.000.
  - Nishitani, Takao, 4,862,173, Cl. 341-200.000.
- Nippon Electric Glass Company, Limited: *See—*
  - Saji, Kosaburo; Yamamoto, Shigeru; and Imai, Katsuhiko, 4,887,404, Cl. 52-306.000.
  - Shibuya, Takehiro; Matsui, Kazuhiro; and Matsumoto, Makoto, 4,835,121, Cl. 501-4.000.
  - Yamanaka, Toshio, 4,883,777, Cl. 501-15.000.
- Nippon Electric Industry Co., Ltd.: *See—*
  - Hino, Kiyoshi; Kaitou, Kousuke; and Okamoto, Kiyokazu, 4,818,927, Cl. 318-798.000.
  - Yamada, Yoshikiyo, 4,831,580, Cl. 364-900.000.
- Nippon Engineer Service Kabushiki Kaisha: *See—*
  - Sawada, Koji, 4,798,496, Cl. 405-53.000.
  - Sawada, Koji, 4,836,710, Cl. 405-54.000.
- Nippon Ester Company Ltd.: *See—*
  - Hirota, Fumio; Kado, Tsutomu; Oku, Shosuke; and Watanabe, Noboru, 4,879,335, Cl. 524-495.000.
- Nippon Ferrite, Ltd.: *See—*
  - Kuramoto, Kenji; and Yumoto, Manabu, 4,812,787, Cl. 333-1.100.
- Nippon Ferrofluidics Corporation: *See—*
  - Takehara, Isamu; Yamamura, Akira; Osawa, Tsutomu; and Oki, Shigaru, 4,847,526, Cl. 310-185.000.
- Nippon Filcon Co. Ltd.: *See—*
  - Tate, Takuo, 4,821,780, Cl. 139-383.00A.
- Nippon Fine Chemical Co., Ltd.: *See—*
  - Kinomura, Keisuke; Kitazawa, Sadaya; Takata, Yasushi; and Sakakibara, Toshiyuki, 4,874,852, Cl. 536-18.600.
- Nippon Flute Co., Ltd.: *See—*
  - Fukuyama, Yoshiaki, 4,854,928, Cl. 493-28.000.
- Nippon Furnace Kogyo Kaisha Ltd.: *See—*
  - Kawamoto, Masao, 4,856,492, Cl. 126-91.00A.
  - Kawamoto, Masao, 4,870,947, Cl. 126-91.00A.
- Nippon Gakki Seizo Kabushiki Kaisha: *See—*
  - Akiyama, Hiroo, 4,855,990, Cl. 369-265.000.
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, 4,806,860, Cl. 324-208.000.
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; and Usui, Akira, 4,811,254, Cl. 364-560.000.
  - Ishii, Takatoshi; and Kaneko, Makoto, 4,835,526, Cl. 340-703.000.
  - Katoh, Mitsumi, 4,794,837, Cl. 84-1.010.
  - Komatsu, Hirotake, 4,803,675, Cl. 369-32.000.
  - Kumano, Shinji; and Murasaki, Motoshi, 4,846,041, Cl. 84-435.000.
  - Kunimoto, Toshifumi, 4,815,354, Cl. 84-1.190.
  - Narusawa, Sadayuki, 4,823,203, Cl. 358-342.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo, Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.
  - Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.
  - Nonaka, Terumoto; and Hotta, Tadahiko, 4,807,011, Cl. 357-45.000.
  - Ogusu, Mikio, 4,802,158, Cl. 369-270.000.
  - Sakai, Yakichi, 4,810,591, Cl. 428-652.000.
  - Yamashita, Toshinori, 4,800,795, Cl. 84-421.000.
  - Yokoyama, Kenji, 4,801,823, Cl. 307-353.000.
- Nippon Gear Co., Ltd.: *See—*
  - Takayama, Sui, 4,811,618, Cl. 74-89.150.
- Nippon Gijutsu Boeki Co., Ltd.: *See—*
  - Ara, Kouichi, 4,870,329, Cl. 315-367.000.
- Nippon Glass Fiber Co., Ltd.: *See—*
  - Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, 4,889,766, Cl. 428-324.000.
- Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha: *See—*
  - Asano, Kuniyoshi; and Miyamoto, Yasunori, 4,847,361, Cl. 528-494.000.
  - Iwanami, Teruo; Moriyama, Takamasa; and Asano, Kuniyoshi, 4,883,696, Cl. 428-35.400.
  - Kawabata, Takeo; and Taisha, Akira, 4,801,713, Cl. 546-151.000.
  - Kawabata, Takeo; Miyashita, Masahiko; and Taisha, Akira, 4,889,934, Cl. 546-151.000.
  - Kondo, Susumu; and Moriya, Tetsuo, 4,826,917, Cl. 525-59.000.
  - Kondo, Susumu; Moriya, Tetsuo; and Aoyama, Hiroshi, 4,880,886, Cl. 526-80.000.
  - Miyamoto, Masaaki; Kamoshida, Eiichi; and Takida, Hiroshi, 4,795,781, Cl. 525-58.000.
  - Okamoto, Shinji; Minakawa, Masaaki; Neki, Youiti; and Nakagiri, Masasi, 4,857,589, Cl. 525-60.000.
  - Shigematsu, Sadao; and Akiyama, Mamoru, 4,829,123, Cl. 525-28.000.
- Nippon Gosei Kaagaku Kogyo: *See—*
  - Miyashita, Masahiko, 4,841,096, Cl. 560-126.000.
- Nippon Hoso Kasai: *See—*
  - Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
- Nippon Hoso Kyoka: *See—*
  - Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Jun'ichi; Oketani, Takashi; and Kondo, Tatsuhiko, 4,864,400, Cl. 358-148.000.
- Nippon Hoso Kyokai: *See—*
  - Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.
  - Kitamoto, Tatsuji; Yokoyama, Katsuya; and Sekiguchi, Takuji, 4,875,610, Cl. 226-10.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,825,436, Cl. 370-102.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,845,436, Cl. 328-14.000.
  - Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,873,684, Cl. 370-102.000.
  - Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, 4,807,040, Cl. 358-233.000.
  - Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurashige, Mitsuhiro, 4,866,337, Cl. 313-432.000.
  - Murakami, Keinosuke; Enami, Kazumasa; and Yagi, Nobuyuki, 4,800,430, Cl. 358-160.000.
  - Nakagawa, Shozo; Yokoyama, Katsuya; and Katayama, Hironobu, 4,809,118, Cl. 360-33.100.

  - Ninomiya, Yuichi; Ohtsuka, Yoshimichi; Izumi, Yoshinori; Gohshi, Seiichi; and Shishikui, Yoshiaki, 4,884,136, Cl. 358-105.000.
  - Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
  - Oyamada, Kimiyuki; and Utsumi, Yozo, 4,807,954, Cl. 350-96.150.
  - Ozeki, Kazuhiko, 4,805,100, Cl. 364-419.000.
  - Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744, Cl. 358-320.000.
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
  - Takizawa, Kuniharu, 4,818,063, Cl. 350-96.130.
  - Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
  - Yamada, Osamu, 4,819,231, Cl. 370-94.000.
  - Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.
- Nippon Hume Pipe Co., Ltd.: *See—*
  - Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takaso, Tsuneto; Hagiwara, Akira; and Ishii, Yoshiaki, 4,822,211, Cl. 405-154.000.
- Nippon Hyomen Kagaku Kabushiki Kaisha: *See—*
  - Yanagawa, Moriyuki; Ishida, Shunichi; Ogura, Ken; and Saito, Yushi, 4,877,496, Cl. 204-44.200.
- Nippon I.C.S. Kabushiki Kaisha: *See—*
  - Narita, Harufumi; and Kanemori, Reiji, 4,810,120, Cl. 400-624.000.
- Nippon Iron Powder Co., Ltd.: *See—*
  - Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
- Nippon Jidosha Engineering Kabushiki Kaisha: *See—*
  - Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.
- Nippon Kayaku Kabushiki Kaisha: *See—*
  - Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
  - Marumo, Shingo; Katayama, Masato; Futatsuya, Fumio; and Saito, Mikio, 4,806,143, Cl. 71-96.000.
  - Matsuzawa, Toshio; Murakado, Toru; Aimoto, Hiroshi; Kitao, Shigetaka; and Yoshida, Nobuo, 4,844,321, Cl. 228-107.000.
  - Matumoto, Hiroyuki; Imai, Hidenori; and Tada, Shozi, 4,845,235, Cl. 548-550.000.
  - Matuura, Toshihiko; Sawaki, Kenzi; Shindo, Seizin; and Torigoe, Michiko, 4,824,751, Cl. 430-106.000.
  - Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.
  - Nasu, Yasunobu; and Uchida, Haruhiko, 4,836,952, Cl. 252-188.280.
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,861,905, Cl. 556-40.000.
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,864,043, Cl. 556-40.000.
  - Ototake, Satoshi; Matsunaga, Ryozo; and Furusawa, Masao, 4,841,034, Cl. 534-701.000.
  - Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.
  - Shindo, Seizin; Hosoi, Hiroomi; and Shinmoto, Masaki, 4,795,690, Cl. 430-109.000.
  - Shiozawa, Akira; Ichikawa, Yuh-Ichiro; and Takahira, Takashi, 4,841,051, Cl. 544-287.000.
  - Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.
  - Yokoshima, Minoru; Ohkubo, Tetsuo; Hattori, Hideaki; and Kiyomoto, Masayuki, 4,843,111, Cl. 522-42.000.
  - Yokoshima, Minoru; and Ohkubo, Tetsuo, 4,889,768, Cl. 428-429.000.
  - Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.
- Nippon Kinzoku Co., Ltd.: *See—*
  - Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.
  - Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.
- Nippon Kogaku K.K.: *See—*
  - Imamura, Kazunori, 4,833,051, Cl. 430-5.000.
  - Nakagawa, Shozo; Ohnishi, Shunichi; and Takagi, Akihiro, 4,866,546, Cl. 360-66.000.
- Nippon Kokan Kabushiki Kaisha: *See—*
  - Abe, Masaki; Shiohara, Yukimitsu; Adaniya, Takeshi; and Naemura, Hiroshi, 4,839,241, Cl. 428-659.000.
  - Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
  - Ase, Hajime; Fujii, Satoshi; Nara, Hisao; and Sakai, Masao, 4,847,056, Cl. 423-240.000.
  - Fukuyama, Tatsuo; Okada, Toshihiko; Moriguchi, Sanseki; Kamiya, Yoshio; and Ogata, Eisuke, 4,820,405, Cl. 208-423.000.
  - Hotta, Hirohisa; Ono, Yotaro; and Matsuura, Masahiro, 4,887,800, Cl. 266-270.000.
  - Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.
  - Ito, Soichi, 4,806,048, Cl. 405-79.000.
  - Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.
  - Komine, Isamu; Kobayashi, Masataka; and Ariga, Shiro, 4,852,407, Cl. 73-597.000.
  - Kuwamoto, Hiroshi; Jitsukawa, Masaharu; and Hosoya, Yoshihiro, 4,810,589, Cl. 428-606.000.
  - Kuwamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.
  - Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.
  - Murakami, Tadashi; Nakaniwa, Mikio; and Nakayama, Yoshio, 4,814,063, Cl. 208-50.000.
  - Murakami, Tadashi; Nakaniwa, Mikio; Nakayama, Yoshio; and Masuo, Mitsuaki, 4,855,037, Cl. 208-422.000.
  - Nakaoka, Kazuhide; Takada, Yoshikazu; and Tanaka, Yasushi, 4,832,762, Cl. 148-108.000.
  - Nishio, Hiroaki, 4,843,043, Cl. 501-97.000.
  - Nishio, Hiroaki; and Kawashima, Takeshi, 4,850,575, Cl. 266-149.000.
  - Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, 4,848,272, Cl. 118-725.000.
  - Ohmura, Masanori; Sakama, Hiroshi; and Araki, Kenji, 4,858,558, Cl. 118-725.000.
  - Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,844,737, Cl. 75-42.000.
  - Ouchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, 4,799,975, Cl. 148-12.70B.
  - Saito, Hiroshi; Sakamoto, Noboru; Fukuya, Hiroshi; and Iwata, Yoshihito, 4,810,290, Cl. 75-257.000.
  - Sakamoto, Noboru; Noda, Hidetoshi; and Yanaka, Hideomi, 4,851,038, Cl. 75-5.000.
  - Sano, Kazuo; Miyazaki, Takao; and Yamada, Yoshiro, 4,850,711, Cl. 356-382.000.
  - Sugitani, Yuji; and Murayama, Masatoshi, 4,851,638, Cl. 219-124.340.
  - Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.
  - Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; and Hasebe, Nobuhisa, 4,807,692, Cl. 164-430.000.
  - Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.
  - Wakimoto, Kazumasa; Shibata, Motohiro; Ishii, Takaharu; and Sakurai, Masaaki, 4,857,106, Cl. 75-41.000.
- Nippon Koki Co., Ltd.: *See—*
  - Hayashi, Minoru; Kobari, Koichi; Sato, Kimiharu; and Kishimoto, Junichi, 4,833,996, Cl. 102-530.000.
  - Kazumi, Takashi; Yano, Chitoshi; and Hayashi, Minoru, 4,834,818, Cl. 149-35.000.
- Nippon Light Metal Company Limited: *See—*
  - Hagisawa, Nobuyasu; and Ikeda, Hiroshi, 4,795,872, Cl. 219-10.61R.
  - Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, Cl. 423-412.000.
  - Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.
  - Mochizuki, Shogo; Isogai, Hisao; Ishikawa, Sadanori; and Mochizuki, Mitsuyoshi, 4,817,918, Cl. 266-87.000.
  - Takada, Tetsuo; Kita, Mikio; and Yonemochi, Kenzo, 4,795,294, Cl. 411-457.000.
- Nippon Medical Supply Corporation: *See—*
  - Terauchi, Ryugo; and Fukushima, Kyoshi, 4,820,291, Cl. 604-349.000.
- Nippon Mektron, Ltd.: *See—*
  - Kameda, Eiichi, 4,872,934, Cl. 156-250.000.
  - Kobayashi, Kazuo; Fukazawa, Masashi; and Ishikawa, Shinji, 4,859,299, Cl. 204-157.920.
  - Nagahori, Atsushi, 4,876,439, Cl. 219-541.000.
  - Okabe, Jun; Naraki, Akihiro; Abe, Masatoshi; and Tatsu, Haruyoshi, 4,831,085, Cl. 525-387.000.
  - Sonoi, Takehiro; Sagawa, Toshimasa; Yamada, Okimasa; and Mizuno, Tetsuya, 4,885,398, Cl. 568-404.000.
  - Yamada, Okimasa; Mizuno, Tetsuya; Sonoi, Takehiro; and Sagawa, Toshimasa, 4,833,212, Cl. 525-359.200.
  - Yoshida, Shingo; Akatsuka, Takahisa; Inoue, Osamu; and Toyama, Jiro, 4,849,133, Cl. 252-511.000.

- Nippon Metal Industry Co., Ltd.: *See—*
  - Arai, Hiroshi; Murakami, Tadahiko; Mashimo, Kazuo; and Tanioka, Jyou, 4,846,904, Cl. 148-325.000.
- Nippon Mining Co., Ltd.: *See—*
  - Lach, Lawrence E.; and Ohoka, Mikiharu, 4,877,976, Cl. 307-450.000.
  - Matsumoto, Masakatsu; Fujimoto, Tamotsu; and Ejiri, Emiko, 4,861,917, Cl. 568-347.000.
  - Ogata, Takashi; Kato, Masanori; Kawasumi, Yoshio; Tominaga, Chikara; and Tanaka, Kanji, 4,874,436, Cl. 148-2.000.
  - Ouchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, 4,799,975, Cl. 148-12.70B.
  - Saito, Kazuhiro; and Mori, Taiichi, 4,846,948, Cl. 204-192.200.
  - Tazawa, Isao; Kiuchi, Norihiro; Segawa, Hideo; Tominaga, Chikara; and Murakami, Kenji, 4,816,748, Cl. 324-65.00R.
  - Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, 4,814,018, Cl. 106-457.000.
  - Yamamoto, Yasunori; and Nishimura, Eiji, 4,863,686, Cl. 420-516.000.
- Nippon Notion Kogyo Co., Ltd.: *See—*
  - Kasai, Kazumi, 4,868,954, Cl. 24-237.000.
- Nippon Oil Co., Ltd.: *See—*
  - Inoue, Akira; Ushio, Masaru; Morita, Toru; Oishi, Yasuyuki; and Sakoda, Hisao, 4,836,914, Cl. 208-251.00H.
  - Itoh, Hiroyuki; Ishii, Takafumi; and Satoh, Tetsuo, 4,857,427, Cl. 430-19.000.
  - Kajikawa, Teruo, and Yoshino, Toshio, 4,872,930, Cl. 156-72.000.
  - Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yamaoka, Noboru; and Matsuura, Kazuo, 4,822,855, Cl. 525-194.000.
  - Kondo, Hitoshi; Sasaki, Makoto; and Kobayashi, Yukio, 4,803,248, Cl. 525-211.000.
  - Kubo, Junichi; and Suzuki, Kenji, 4,857,168, Cl. 208-58.000.
  - Maeda, Naoyuki; Nii, Akira; Yamamoto, Shunichi; and Uemura, Seiichi, 4,850,836, Cl. 425-72.200.
  - Nagasawa, Takao; Ikeda, Kingo; and Nomura, Hirotsugu, 4,824,552, Cl. 208-17.000.
  - Nambu, Masao; Kinoshita, Tatsuo; and Watase, Mineo, 4,808,353, Cl. 264-28.000.
  - Nambu, Masao; Kuwabara, Osamu; Okuno, Yoshihiko; and Ohban, Toshiyuki, 4,828,493, Cl. 433-199.100.
  - Oishi, Yasuyuki; and Inoue, Akira, 4,861,746, Cl. 502-314.000.
  - Sano, Akira; Kubo, Kunimichi; and Matsuura, Kazuo, 4,849,390, Cl. 502-113.000.
  - Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoyama, Shigeki; and Kamiya, Takeshi, 4,879,076, Cl. 264-28.000.
  - Shinzawa, Akira; and Kohno, Yoshiki, 4,812,262, Cl. 252-567.000.
  - Tajima, Yoshio; Nomiyama, Kazutosi; Shimo, Yoshiyuki; Kuroda, Nobuyuki; and Matsuura, Kazuo, 4,835,219, Cl. 525-240.000.
  - Tsuchiya, Shozo; Sasaki, Makoto; and Kobayashi, Yukio, 4,849,486, Cl. 525-152.000.
  - Tsuchiya, Shozo; Aoki, Nobuo; and Suzuki, Shinichiro, 4,889,791, Cl. 430-270.000.
  - Uemura, Seiichi; Sohda, Yoshio; Ido, Yasuji; and Yamamoto, Shunichi, 4,849,200, Cl. 423-447.400.
  - Yokoyama, Nobuo, 4,803,013, Cl. 252-580.000.
  - Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.
  - Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl. 162-158.000.
  - Yuasa, Hitoshi; Matsuno, Mitsuo; and Imai, Hirosuke, 4,804,795, Cl. 585-21.000.
- Nippon Oil and Fats Company, Limited: *See—*
  - Araki, Masatada; and Kuroyama, Yutaka, 4,837,089, Cl. 428-552.000.
  - Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.
  - Doi, Hiroshi; and Inoue, Masanori, 4,839,345, Cl. 514-21.000.
  - Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.
  - Ishizaki, Takaharu; Igarashi, Taizo; Urano, Yasuo; and Onodera, Yumiko, 4,885,008, Cl. 44-62.000.
  - Kohashi, Hitoshi; Shizuka, Nobuhiko; and Kadoma, Yoshihito, 4,888,132, Cl. 252-393.000.
  - Kurokawa, Koichi; Ueda, Takeo; and Osumi, Yoshiro, 4,848,232, Cl. 102-200.000.
  - Masuoka, Shigeru; and Doi, Hiroshi, 4,883,852, Cl. 526-279.000.
  - Matsumoto, Takeo; Yamada, Eiichi; Nakachi, Osamu; Irukayama, Godo; and Minoshima, Yoshihiro, 4,824,876, Cl. 522-24.000.
  - Minagawa, Kenichiro; Furuse, Kazuo; Tanizaki, Yoshiharu; and Okabe, Heihachiro, 4,828,735, Cl. 252-49.300.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,423, Cl. 525-80.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,432, Cl. 525-303.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,877,841, Cl. 525-286.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,879,347, Cl. 525-263.000.
  - Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, 4,855,374, Cl. 526-261.000.
  - Nagura, Osamu; Inoue, Osamu; Kamikuri, Yoshimasa; and Takizuka, Norikazu, 4,839,406, Cl. 524-196.000.
  - Ochi, Koji; and Harada, Masahide, 4,825,765, Cl. 102-206.000.
  - Okamoto, Shingo; Kiryu, Masao; and Yoshida, Atsushi, 4,812,336, Cl. 427-257.000.
  - Sano, Shunichi, 4,810,293, Cl. 106-14.210.
  - Satomi, Nobuyuki, 4,842,765, Cl. 252-186.260.
  - Shibato, Kishio; and Kawamura, Masataka, 4,879,337, Cl. 524-504.000.
  - Takemoto, Masayuki; Nagura, Osamu; Nomura, Yukio; and Yasuda, Minoru, 4,883,858, Cl. 528-322.000.
  - Yamamoto, Shosaku; and Kakinuma, Kazuo, 4,830,778, Cl. 252-511.000.
  - Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,874,818, Cl. 525-183.000.
  - Yamamoto, Shosaku; Kakinuma, Kazuo; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,883,834, Cl. 524-504.000.
- Nippon Paint Co., Ltd.: *See—*
  - Ishikawa, Katsukiyo, 4,816,365, Cl. 430-111.000.
  - Ito, Yoshito; Miyake, Hideyo; and Tamagawa, Hiroshi, 4,827,993, Cl. 141-83.000.
  - Kanda, Kazunori; Urano, Satoshi; Aoki, Kei; and Muramoto, Hisaichi, 4,820,777, Cl. 525-291.000.
  - Kanda, Kazunori; Muramoto, Hisaichi; Saito, Koichi; and Ishikura, Shinichi, 4,869,796. Cl. 204-181.600.
  - Kashihara, Akio; Ishii, Keizou; and Ishikura, Shinichi, 4,842,936, Cl. 428-407.000.
  - Kashihara, Akio; Miyazono, Tadafumi; Ishii, Keizou; and Ishikura, Shinichi, 4,870,132, Cl. 525-100.000.
  - Kawabata, Masami; Harada, Masahiko; and Takimoto, Yasuyuki, 4,868,092, Cl. 430-781.000.
  - Kida, Katsuaki; Kashihara, Akio; Ishii, Keizou; and Kayano, Hiromichi, 4,803,252, Cl. 526-297.000.
  - Kuwajima, Teruaki; Uenoyama, Kazuo; Takae. Masaki; and Okuda, Hidefumi, 4,812,335, Cl. 427-407.100.
  - Kuwajima. Teruaki; Umeda, Shinichiro; and Okuda, Hidefumi, 4,820,555, Cl. 427-407.100.
  - Kuwajima, Teruaki; Miwa, Hiroshi; and Ishikura, Shinichi, 4,822,831, Cl. 523-421.000.
  - Matsumura, Akira; Nozaki, Yasuo; and Ishikawa, Katsukiyo, 4,853,092, Cl. 204-18.100.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,189, Cl. 525-274.000.
  - Miyazono, Tadafumi; Kashihara, Akio; and Ishikura, Shinichi, 4,833,208, Cl. 525-285.000.
  - Mizuguchi, Katsumi; Okude, Yoshitaka; Miwa, Hiroshi; and Okuda, Hidefumi, 4,861,839, Cl. 525-506.000.
  - Morita, Misao; and Nakajima, Takashi, 4,846,578, Cl. 356-446.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,812,549, Cl. 526-318.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Ishikura, Shinichi, 4,829,127, Cl. 525-309.000.
  - Muramoto, Hisaichi; Ishii, Keizou; and Miyazono, Tadafumi, 4,883,899, Cl. 560-14.000.
  - Ohata, Masatoshi; Tsutsui, Koichi; Ikedal, Shoji; and Fujimoto, Teruo, 4,853,436, Cl. 525-244.000.
  - Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, 4,888.406, Cl. 528-32.000.
  - Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, 4,816,364, Cl. 430-108.000.
  - Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, 4,837,046, Cl. 427-38.000.
  - Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, 4,885,032. Cl. 75-251.000.
  - Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,803,153, Cl. 435-2.000.
  - Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, 4,836,987, Cl. 422-101.000.
  - Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, 4,869,995, Cl. 430-270.000.
  - Sobata, Tamotsu; Takimoto, Masaaki; and Yoshida, Yuichi, 4,853,285, Cl. 428-336.000.
  - Tanabe, Hisaki; Takagawa, Ryozo; and Umemoto, Hirotoshi, 4,810,758, Cl. 525-348.000.
  - Togo, asahiko; and Abe, Kazutoshi, 4,824,909, Cl. 525-124.000.
  - Tsuboniwa, Noriyuki; Urano, Satoshi; and Mizuguchi, Ryuzo, 4,816,537, Cl. 526-301.000.
  - Tsunoda, Tahahiro; Yamaoka, Tsuguo; and Arimatsu. Seiji, 4,877,714, Cl. 430-270.000.
  - Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, 4,867,573, Cl. 366-114.000.
  - Tsutsui, Koichi; Ikeda, Shoji; and Ueki, Koji, 4,879,100, Cl. 422-186.050.
  - Umemoto, Hirotoshi; Tanabe, Hisaki; and Nakano, Shinji, 4,829,132, Cl. 525-443.000.
  - Ushio, Akira; and Sobata, Tomotsu, 4,882,215, Cl. 428-143.000.
  - Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, 4,829,105, Cl. 523-415.000.
  - Yamamori, Naoki; and Kanda, Kazunori, 4,820,748, Cl. 523-122.000.
  - Yamamori, Naoki; and Kanda, Kazunori, 4,835,231, Cl. 526-240.000.
  - Yamasoe, Katsuyoshi, 4,828,616, Cl. 106-14.130.
- Nippon Petrochemicals Company: *See—*
  - Shimizu, Isoo; Mitsuyuki, Hitoshi; Uchida, Kazumichi; and Tokumoto, Yuuichi, 4,855,519, Cl. 585-319.000.

- Nippon Petrochemicals Company, Ltd.: *See—*
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,581, Cl. 428-412.000.
  - Akazawa, Toshiyuki; Okaya, Takuji; Inoue, Takashi; and Kobayashi, Toshitaka, 4,810,755, Cl. 525-285.000.
  - Aoyama, Takeo; Imai, Teruo; Hattori, Junichi; and Uehara, Mikio, 4,876,049, Cl. 264-49.000.
  - Inoue, Takashi; Sunada, Masazi; Okamoto, Motohide; Kariya, Masayoshi; and Inoh, Tadashi, 4,845,146, Cl. 524-436.000.
  - Kambe, Shigemitsu; and Miyafuzi, Hideaki, 4,877,663, Cl. 428-35.500.
  - Kawakami, Shigenobu; Endo, Keiji; Dohi, Hideyuki; and Sato, Atsushi, 4,802,058, Cl. 361-315.000.
  - Murai, Yoshikazu; Yamaguchi, Tatsuo; and Mochizuki, Kanji, 4,889,649, Cl. 252-73.000.
  - Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.
  - Saitoh, Hachiro, 4,808,454, Cl. 428-42.000.
  - Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaka, Eiichi; and Narui, Satoshi, 4,803,238, Cl. 524-486.000.
  - Sato, Atsushi; Kawakami, Shigenobu; Endo, Keiji; and Dohi, Hideyuki, 4,870,221, Cl. 585-5.300.
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,814,494, Cl. 562-419.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,822,934, Cl. 585-25.000.
  - Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Uchida, Kazumichi, 4,835,337, Cl. 585-471.000.
  - Shimizu, Isoo; and Tokumoto, Yuuichi, 4,855,518. Cl. 585-319.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, 4,885,419, Cl. 585-25.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, 4,889,952, Cl. 562-460.000.
  - Takahashi, Naoya; Narui, Satoshi; and Matsuzaka, Eiichi, 4,879,269, Cl. 503-213.000.
  - Torii, Michiaki; and Hirooka, Seiji. 4,795,840, Cl. 585-16.000.
  - Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, 4,812,355, Cl. 428-215.000.
- Nippon Pharmaceutical Development Institute Co.: *See—*
  - Shimizu, Shigeo; Takano, Hiroyuki; and Yagihashi, Fujio, 4,808,711, Cl. 540-227.000.
- Nippon Pillar Packing Co., Ltd.: *See—*
  - Fukumoto, Toshiyuki, 4,836,756, Cl. 417-394.000.
  - Ueda, Takahisa; Sasakura, Hiroyuki; and Ikeda, Takashi, 4,844 479, Cl. 277-4.000.
- Nippon Piston Ring Co., Ltd.: *See—*
  - Kawaguchi, Takashi; Fujita, Yoshiaki; and Kawai, Satoshi, 4,817,420, Cl. 73-119.00R.
  - Nakamura, Yoshikatsu; Kawamura, Osamu; and Shimomura, Souichi, 4,870,931, Cl. 123-90.390.
  - Shimomura, Soichi, 4,859,164, Cl. 418-179.000.
  - Shimomura, Soichi, 4,861,372, Cl. 75-232.000.
- Nippon Pneumatic Manufacturing Co., Ltd.: *See—*
  - Dainin, Takashi, 4,838,133, Cl. 81-465.000.
  - Terada, Hiromu; and Okada, Hiroshi, 4,852,664, Cl. 173-134.000.
- Nippon Reinz Co., Ltd.: *See—*
  - Fujisawa, Katsuhide; Takanaka, Toshimasa; Buseki, Hiroo; and Takahashi, Masakatsu, 4,802,698, Cl. 285-363.000.
- Nippon Roki Co., Ltd.: *See—*
  - Itoh, Mikio, 4,882,051, Cl. 210-248.000.
- Nippon Rubber Co., Ltd.: *See—*
  - Hayafuchi, Hideki; Moronaga, Yoshiharu; and Nakano, Kiyotaka, 4,858,339, Cl. 36-45.000.
- Nippon Sanso K.K.: *See—*
  - Sugitani, Yuji; Nishi, Yasuhiko; and Kanjo, Yoshihiro, 4,851,639, Cl. 219-124.340.
- Nippon Sanso Kabushiki Kaisha: *See—*
  - Okada, Hidetake, 4,865,624, Cl. 48-61.000.
- Nippon Scientific Co., Ltd.: *See—*
  - Kobayashi, Nobutoshi, 4,826,556 Cl. 156-345.000.
  - Ohta, Hiroyuki; Yoshida, Naoki; and Goto, Hideo, 4,822,441, Cl. 156-345.000.
- Nippon Scitec Co., Ltd.: *See—*
  - Saita, Eiichi; Mori, Shigetaka; and Mori, Akihiko, 4,847,103, Cl. 426-445.000.
- Nippon Seiki Co., Ltd.: *See—*
  - Kobayashi, Hisataka; Araki, Fujio; and Ohtani, Yoshihiro, 4,890,057, Cl. 324-140.00D.
  - Tanaka, Seizou; and Ando, Ryuichi, 4,827,209, Cl. 324-143.000.
- Nippon Seiki Hoseki Kogyo: *See—*
  - Matsuoka, Kenzo, 4,855,856, Cl. 360-128.000.
- Nippon Seiko Co., Ltd.: *See—*
  - Katahira, Masayuki, 4,840,077, Cl. 74-424.8NA.
- Nippon Seiko Kabushiki Kaisha: *See—*
  - Aida, Akira; and Ikeda, Toshihiro, 4,840,153, Cl. 123-90.550.
  - Ando, Masaaki; and Matsuzaka, Masaaki, 4,807,296, Cl. 382-8.000.
  - Chikuma, Isamu; Shimada, Satoru; and Eda, Hiroshi, 4,874,183, Cl. 280-91.000.
  - Furumura, Kyozaburo; and Matsunaga, Shigeki, 4,842,426, Cl. 384-478.000.
  - Furumura, Kyozaburo; Muraoka, Tomoki; Murakami, Yasuo; and Abe, Tsutomu, 4,871,268, Cl. 384-492.000.
  - Furumura, Kyozaburo, 4,875,263, Cl. 29-149.50S.
  - Hane, Toshiyuki, 4,809,809, Cl. 180-268.000.
  - Hayashi, Yoshitaka, 4,795,278, Cl. 384-448.000.
  - Inoue, Gentei; Sakatani, Ikunori; and Tanaka, Katsuhiko, 4,856,918, Cl. 384-610.000.
  - Katahira, Masayuki, 4,826,330, Cl. 384-45.000.
  - Kawai, Osamu; and Asano, Shuichi, 4,832,365, Cl. 280-804.000.
  - Kawai, Osamu, 4,834,425, Cl. 280-804.000.
  - Kawai, Osamu; and Mizumura, Shunzi, 4,838,577, Cl. 280-804.000.
  - Kawai, Osamu; and Mizumura, Shunzi, 4,874,995, Cl. 318-484.000.
  - Kawashima, Sousuke, 4,809,354, Cl. 384-114.000.
  - Kiyono, Shunichi, 4,834,426, Cl. 280-804.000.
  - Koike, Kiyokazu, 4,809,926, Cl. 242-107.40B.
  - Koike, Kiyokazu, 4,830,309, Cl. 242-107.40A.
  - Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,886,136, Cl. 180-79.100.
  - Kubo, Mutsuo; and Katsuno, Yoshiaki, 4,838,712, Cl. 384-523.000.
  - Matsunaga, Shigeki; Ishikawa, Yuichi; and Hosoya, Masachi, 4,841,408, Cl. 361-220.000.
  - Matsuoka, Masaki; Osawa, Nobuyuki; and Kasuga, Shinichi, 4,810,104, Cl. 384-45.000.
  - Meguro, Kenjiro; and Yokouchi, Atsushi. 4,867,910, Cl. 252-519.000.
  - Miyazaki, Hiroya; Chikuma, Isamu; and Miyaura, Yasuhiko, 4,834,201, Cl. 180-79.100.
  - Mizukoshi, Yasumasa; and Ishijima, Minoru, 4,802,261, Cl. 24-20.0TT.
  - Mizukoshi, Yasumasa, 4,808,145, Cl. 464-111.000.
  - Mizukoshi, Yasumasa, 4,854,917, Cl. 464-111.000.
  - Ono, Katsuyasu, 4,871,191, Cl. 280-804.000.
  - Osawa, Nobuyuki, 4,828,402, Cl. 384-15.000.
  - Osawa, Nobuyuki, 4,850,720, Cl. 384-13.000.
  - Osawa, Nobuyuki, 4,886,374, Cl. 384-13.000.
  - Osawa, Nobuyuki, 4,886,376, Cl. 384-15.000.
  - Saito, Hiroyuki, 4,872,703, Cl. 280-804.000.
  - Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Kazuo, 4,862,982, Cl. 180-79.100.
  - Sakatani, Ikunori; Tanaka, Katsuhiko; and Tamaki, Masaru, 4,798,476, Cl. 384-108.000.
  - Sato, Isao; Miyake, Nobuhiko; and Nishida, Souji, 4,874,259, Cl. 384-445.000.
  - Seki, Takahiro, 4,799,806, Cl. 384-45.000.
  - Seto, Toshiaki; and Morinaga, Masaru, 4,797,984, Cl. 24-641.000.
  - Shiratani, Takaaki; Suzuki, Hiroshi; and Chiba, Moichi, 4,830,518, Cl. 384-448.000.
  - Tagawa, Kenichi, 4,874,073, Cl. 192-98.000.
  - Takahiro, Seki, 4,806,022, Cl. 384-45.000.
  - Takata, Hirotoshi, 4,802,775, Cl. 384-450.000.
  - Takata, Hirotoshi, 4,828,404, Cl. 384-450.000.
  - Tanaka, Katsuhiko; Sato, Takanobu; and Sakatani, Ikunori, 4,805,972, Cl. 350-6.700.
  - Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,830,137, Cl. 180-79.100.
  - Tokugawa, Osamu, 4,824,175, Cl. 297-473.000.
  - Tsukada, Toru, 4,886,375, Cl. 384-15.000.
  - Tsukamoto, Masahiro, 4,834,313, Cl. 242-107.40A.
  - Watanabe, Masao, 4,800,929, Cl. 139-383.00R.
  - Watanabe, Toshiki; and Honda, Toshiharu, 4,838,839, Cl. 474-135.000.
  - Yamamoto, Kazuo; Ono, Katsuyasu; and Yamamuro, Shinichi, 4,840,402, Cl. 280-804.000.
  - Yamamoto, Kazuo; and Ono, Katsuyasu, 4,889,363, Cl. 280-804.000.
- Nippon Seimitsu Kogyo Kabushiki Kaisha: *See—*
  - Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.
  - Iijima, Tamotsu, 4,882,500, Cl. 310-323.000.
  - Kubota, Mineo; and Isomura, Tuyos, 4,866,535, Cl. 358-474.000.
  - Nakagomi, Kazuhito, 4,884,091, Cl. 354-271.100.
  - Shibata, Isao, 4,885,598, Cl. 354-106.000.
- Nippon Seiro Company, Limited: *See—*
  - Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, 4,877,456, Cl. 106-270.000.
- Nippon Seisen Co., Ltd.: *See—*
  - Ishibe, Hideomi, 4,830,262, Cl. 228-156.000.
- Nippon Selen Co., Ltd.: *See—*
  - Makino, Syozaburo; and Hirabayashi, Shouji, 4,881,062, Cl. 340-677.000.
- Nippon Sheet Glass Co.: *See—*
  - Kaoru, Sakurai; Harunori, Murakami; Toshio, Torii; and Hidetoshi, Oka, 4,864,316, Cl. 343-704.000.
- Nippon Sheet Glass Co., Ltd.: *See—*
  - Fuchigami, Yasuhiro, 4,871,277, Cl. 403-166.000.
  - Funaki, Masaaki; Kunihiro, Koki; and Ichinomiya, Yutaka, 4,874,654, Cl. 428-192.000.
  - Ino, Juichi; Hishinuma, Akihiro; Nagayama, Hirotsugu; and Kawahara, Hideo, 4,882,183, Cl. 427-126.600.
  - Kaite, Yoshikazu; and Yamagishi, Takashi, 4,874,414, Cl. 65-20.130.
  - Masunaga, Hiroaki; Inoue, Hiroshi; Sakamoto, Masaaki; and Higashide, Norihiko, 4,863,340, Cl. 414-789.500.
  - Minami, Tsutomu; Tohge, Noboru; Katayama, Shinya; and Matsuno, Yoshihiro, 4,810,547, Cl. 428-65.000.
  - Nishii, Junji; and Yamagishi, Takashi, 4,801,442, Cl. 423-510.000.
  - Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Nishii, Hisami; and Katsuki, Kazuo, 4,809,344, Cl. 382-32.000.

- Peppers, Norman A.; Young, James R.; Nishi, Hisami; and Ueno, Hiroshi, 4,817,169, Cl. 382-9.000.
- Peppers, Norman A.; Young, James R.; Nishi, Hisami; Ueno, Hiroshi; and Katsuki, Kazuo, 4,827,529, Cl. 382-9.000.
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Tanaka, Shuhei, 4,845,766, Cl. 382-32.000.
- Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Katsuki, Kazuo, 4,862,511, Cl. 382-32.000.
- Sakurai, Kaoru; Murakami, Harunori; Mizukami, Hikaru; and Fujita, Kazuhisa, 4,873,532, Cl. 343-713.000.
- Seki, Shingo, 4,882,006, Cl. 156-504.000.
- Yasuda, Yoshimitsu, 4,807,743, Cl. 206-204.000.
- Yokoi, Koji; Yoshiyagawa, Mitsugi; and Manabe, Seiichiro, 4,824,806, Cl. 501-35.000.

Nippon Shiken Kogyo Co., Ltd.: *See—*

- Otsuka, Masasuke; Kuriyama, Sumio; and Maniwa, Hideyo, 4,828,420, Cl. 401-268.000.

Nippon Shinyaku Co., Ltd.: *See—*

- Ezure, Yoji; Yamamoto, Masashi; Maruo, Shigeaki; and Sugiyama, Makoto, 4,806,633, Cl. 536-18.500.
- Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, 4,857,515, Cl. 514-89.000.
- Kimura, Kiyoshi; Ueda, Fusao; and Ogasawara, Takashi, 4,873,242, Cl. 514-242.000.
- Kimura, Kiyoshi; Ueda, Fusao; and Tamura, Masaru, 4,874,762, Cl. 514-242.000.
- Kimura, Kiyoshi; Ogasawara, Takashi; and Mushiroi, Takeshi, 4,877,784, Cl. 514-227.800.
- Kise, Masahiro; Kitamura, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, 4,843,070, Cl. 514-210.000.
- Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, 4,882,328, Cl. 514-236.200.
- Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; and Fujita, Yukio, 4,855,415, Cl. 536-17.400.
- Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; Ozaki, Takayuki; and Ojima, Nobutoshi, 4,859,767, Cl. 536-17.400.
- Ushimaru, Koichi; Hamakawa, Tomoaki; and Koga, Tomio, 4,874,774, Cl. 514-356.000.
- Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, 4,831,055, Cl. 514-539.000.

Nippon Shoji Kabushiki Kaisha: *See—*

- Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.
- Okuhara, Makoto; and Ishida, Yasumi, 4,813,537, Cl. 206-63.500.

Nippon Shoji Kaisha, Ltd.: *See—*

- Fujita, Satoshi; Nakai, Eiji; and Noike, Akira, 4,849,132, Cl. 252-356.000.

Nippon Shokubai Kagaku Kogyo Co., Ltd.: *See—*

- Awaji, Toshio; Ueda, Kenichi; and Atobe, Daisuke, 4,837,280, Cl. 525-502.000.
- Hino, Youichi; Shimasaki, Yuuji; and Ueshima, Michio, 4,841,060, Cl. 546-184.000.
- Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoué, Akira, 4,840,749, Cl. 260-378.000.
- Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.
- Kawajiri, Tatsuya; Onodera, Hideo; Uchida, Shinichi; Aoki, Yukio; and Wada, Masahiro, 4,873,217, Cl. 502-311.000.
- Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Akio; Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.000.
- Kitano, Masao; Ueno, Tsunemasa; Kojima, Kouichi; and Morimoto, Yutaka, 4,853,486, Cl. 568-22.000.
- Kobayashi, Motonobu; Inoue, Akira; Hagi, Mitsuharu; Nagai, Tsuyoshi; and Kinoshita, Hutoru, 4,814,153, Cl. 423-213.200.
- Kobayashi, Motonobu; Kinoshita, Futoru; Mitsui, Kiichiro; and Inoue, Akira, 4,854,123, Cl. 60-274.000.
- Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, 4,814,462, Cl. 548-444.000.
- Matsuda, Tatsuhito; Funae, Yasuaki; Yoshida, Masahiro; and Takaya, Tsugûo, 4,810,812, Cl. 558-251.000.
- Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.
- Nakashima, Sumio; Sogabe, Hideki; Yoshida, Hiroshi; and Okubo, Atsushi, 4,833,267, Cl. 60-205.000.
- Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, 4,831,189, Cl. 562-40[illegible].000.
- Shimasaki, Yuuji; Tuneki, Hideaki; Hino, Youichi; Yano, Hitoshi; and Ueshima, Michio, 4,833,248, Cl. 546-184.000.
- Shimasaki, Yuuji; Ueshima, Michio; Tuneki, Hideaki; and Ariyoshi, Kimio, 4,841,061, Cl. 546-184.000.
- Shioji, Shobu; Sasabe, Masazumi; Dairoku, Yorimichi; and Fujiwara, Teruaki, 4,818,783, Cl. 524-425.000.
- Takahashi, Kazutomo; Kodama, Kazuo; and Saotome, Minoru, 4,806,577, Cl. 523-445.000.
- Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, 4,866,134, Cl. 525-109.000.
- Tsubakimoto, Tsuneo; Tahara, Hideyuki; Kobayashi, Hiroya; Hirata, Tsuyoshi; and Ito, Hiroshi, 4,870,120, Cl. 524-5.000.
- Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
- Uchida, Shin-ichi; Deguchi, Kozi; and Sasaki, Masamitsu, 4,871,700, Cl. 502-51.000.
- Ueshima, Michio; Takahashi, Yoshiyuki; Tsuchino, Masatoshi; and Saito, Noboru, 4,814,512, Cl. 568-432.000.

Nippon Signal Co., Ltd., The: *See—*

- Kato, Masakazu; and Futsuhara, Koichi, 4,795,921, Cl. 307-442.000.

Nippon Soda Co., Ltd.: *See—*

- Hagiwara, Kenji; Ishikawa, Hisao; Hosaka, Hideo; and Inaba, Hideo, 4,812,161, Cl. 71-90.000.
- Ishimitsu, Keiichi; Imagawa, Hiroyuki; Yamada, Tomio; Matsuda, Michihiko; and Kitagawa, Yukio, 4,882,431, Cl. 540-603.000.
- Shimizu, Takeo; Kaneko, Takehira; Inoue, Tomoyuki; and Takahashi, Hiroshi, 4,816,536, Cl. 526-258.000.
- Ueyama, Shinichiro; Yoshikawa, Yasuhiro; and Okamoto, Tetsuhiko, 4,880,905, Cl. 528-399.000.

Nippon Soken, Inc.: *See—*

- Eturo, Yasuda; Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, 4,803,763, Cl. 29-25.350.
- Hanaki, Kenichi; Kitagawa, Hitomi; Tominaga, Takayuki; and Hattori, Tadashi, 4,847,215, Cl. 437-100.000.
- Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl. 123-300.000.
- Inoguchi, Kazuhiro; Ito, Novuei; Nunogaki, Naochika; and Toyama, Tetsuo, 4,845,061, Cl. 501-97.000.
- Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, 4,886,423, Cl. 417-222.000.
- Kato, Masahiko; Katou, Masanori; Kuwakado, Satosi; Tanaka, Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.
- Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Ina, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.
- Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, 4,840,067, Cl. 73-726.000.
- Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, 4,814,581, Cl. 219-270.000.
- Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; and Hattori, Tadashi, 4,833,912, Cl. 73-118.200.
- Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.
- Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, 4,870,860, Cl. 73-204.260.
- Onimaru, Sadahisa; Shimogawa, Toshiaki; Taguchi, Masahiro; and Kuwakado, Satosi, 4,802,706, Cl. 296-68.000.
- Ootsuka, Yoshinori; Atsumi, Kinya; Arai, Masumi; and Hattori, Tadashi, 4,879,139, Cl. 427-38.000.
- Sakakibara, Kazuo; Shimogawa, Toshiaki; Kuwakado, Satosi; Ina, Koji; and Ina, Toshikazu, 4,807,934, Cl. 297-403.000.
- Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, 4,819,037, Cl. 357-4.000.
- Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,809,197, Cl. 364-550.000.
- Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.
- Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, 4,837,727, Cl. 364-551.010.
- Tomita, Masahiro; and Yasuda, Eturo, 4,882,079, Cl. 252-62.900.
- Yamamoto, Minoru; Ito, Nobuei; Uesugi, Hiroshi: and Hattori, Tadashi, 4,851,254, Cl. 427-37.000.
- Yasuda, Eturo; Matsuoka, Hiroshi; Yoshida, Hiroyuki; Kotanshi, Yoichi; and Sawada, Yasushi, 4,845,399, Cl. 310-366.000.
- Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Nippon Steel Chemical Co., Ltd.: *See—*

- Hara, Tadanori, 4,879,387, Cl. 549-248.000.
- Teramoto, Takero; and Usami, Takashi, 4,810,771, Cl. 528-298.000.
- Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,833,214, Cl. 525-420.000.
- Tonari, Takashi; and Ikeda, Yasuhiko, 4,863,587, Cl. 208-263.000.
- Watanabe, Hisashi, 4,847,353, Cl. 528-353.000.
- Yoshizaki, Haruhiko; and Kawaguchi, Norihito, 4,814,364, Cl. 523-100.000.

Nippon Steel Corpopration: *See—*

- Nishioka, Koyoshi; Tamehiro, Hiroshi; and Murata, Masahiko, 4,851,052, Cl. 148-2.000.

Nippon Steel Corporation: *See—*

- Endo, Hidehiro; Tanemoto, Kei; and Kubo, Hiroshi, 4,837,231, Cl. 501-91.000.
- Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatsuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
- Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,085, Cl. 210-510.100.
- Fujii, Masahiro; Miki, Osamu; Muronaga, Takehisa; and Fujii, Takaharu, 4,814,125, Cl. 264-44.000.
- Fujii, Masahiro; and Nakamura, Eiichi, 4,832,847, Cl. 210-616.000.
- Fujikake, Yoichi; Sugimoto, Takao; Tamaki, Kiyohide; and Udagawa, Yoshio, 4,821,575, Cl. 73-626.000.
- Fujimoto, Kenichi; Sato, Maki; and Sugiura, Tsutomu, 4,795,591, Cl. 252-506.000.

- Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
- Harase, Jiro; Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,806,176, Cl. 148-111.000.
- Hasegawa, Yasushi; and Haga, Hiroyo, 4,804,021, Cl. 138-171.000.
- Hashimoto, Katukuni; Otoguro, Yasuo; and Fujita, Toshio, 4,844,755, Cl. 148-325.000.
- Hashimoto, Yoshio; Kawano, Tsuyoshi; Hasuka, Kaname; and Otomo, Seiji, 4,861,682, Cl. 428-685.000.
- Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,886,612, Cl. 252-49.500.
- Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,889,648, Cl. 252-49.500.
- Higuchi, Seijun; Ohga, Tomonari; Katayama, Toshinori; and Yamamoto, Fumio, 4,842,958, Cl. 428-629.000.
- Ichida, Kozaburo; Yamaguchi, Susumu; and Chikazawa, Bunichiro, 4,882,923, Cl. 72-249.000.
- Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
- Itami, Atsushi; Koyama, Kazuo; Matsuzu, Nobuhiko; and Watanabe, Takahito, 4,801,341, Cl. 148-320.000.
- Ito, Wataru; and Ito, Satoshi, 4,842,945, Cl. 428-457.000.
- Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,874, Cl. 72-199.000.
- Kanai, Hiroshi; Oka, Joji; and Kojo, Hidehiko, 4,826,895, Cl. 523-443.000.
- Kanamaru, Tatsuya; Nakayama, Motohiro; Arai, Katutoshi; Suzuki, Shinichi; and Naka, Ryoichi, 4,877,494, Cl. 204-28.000.
- Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, 4,802,270, Cl. 29-241.000.
- Katahira, Keiichi; Shio, Kiyomi; and Kanai, Noriyuki, 4,854,371, Cl. 164-431.000.
- Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.
- Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji; and Yamamoto, Kazuo, 4,806,849, Cl. 324-65.0CR.
- Kimura, Akira; Kashiwabara, Hiroshi; and Fujiyama, Hirohisa, 4,841,116, Cl. 219-73.100.
- Koyasu, Yoshiro; Tsuchida, Yutaka; and Suzuki, Nobukazu, 4,806,178, Cl. 148-330.000.
- Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,863,532, Cl. 148-307.000.
- Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.
- Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
- Matsuoka, Kazumi; Kihira, Hiroshi; Ito, Satoshi; and Murata, Tomomi, 4,861,453, Cl. 204-404.000.
- Mitamura, Shuichi; Fujishiro, Koichi; and Inoue, Hiroharu, 4,820,868, Cl. 562-482.000.
- Miyabayashi, Shigeaki; Kanai, Hiroshi; Oka, Joji; and Matsuura, Yoshikatsu, 4,861,672, Cl. 428-458.000.
- Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,890, Cl. 528-45.000.
- Miyabayashi, Shigeaki; Matsuura, Yoshikatsu; Kanai, Hiroshi; and Oka, Joji, 4,880,891, Cl. 528-45.000.
- Miyasaka, Akihiro; Haga, Hiroyo; and Terasawa, Takeshi, 4,842,816, Cl. 420-84.000.
- Miyasaka, Akihiro; Ogawa, Hiroyuki; Homma, Hiroyuki; Kitaguchi, Saburo; Morimoto, Hiroshi; and Araki, Satoshi, 4,844,863, Cl. 419-8.000.
- Miyoshi, Kunisuke; Shimoyama, Yoshiaki; and Kubota, Takeshi, 4,851,056, Cl. 148-111.000.
- Nakamura, Motoharu; Ohsawa, Takaaki; Haga, Hirokazu; and Tanabe, Akira, 4,825,807, Cl. 118-672.000.
- Nakayama, Hisanobu; Nakashima, Shouzaburo; Shimoyama, Yoshiaki; and Mori, Yasukazu, 4,797,167, Cl. 148-111.000.
- Nakayama, Hisanobu; Tanaka, Osamu; Yasumoto, Hiromichi; Senoo, Seiichi; Zaizen, Youichi; and Yamasaki, Kouji, 4,875,947, Cl. 148-113.000.
- Oka, Tomoki; Kihira, Hiroshi; Matsuoka, Kazumi; and Ito, Satoshi, 4,800,165, Cl. 436-6.000.
- Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, 4,812,166, Cl. 75-0.50C.
- Saiki, Goro; and Kondo, Jiro, 4,832,929, Cl. 423-346.000.
- Saiki, Goro; and Kondo, Jiro, 4,847,060, Cl. 423-346.000.
- Saiki, Goro; and Kondo, Jiro, 4,869,886, Cl. 423-346.000.
- Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, 4,861,441, Cl. 204-38.700.
- Sato, Takashi; Ozawa, Tsutomu; and Yamada, Toshio, 4,865,664, Cl. 148-40[illegible].000.
- Sato, Yuichi: Sato, Takashi; and Yamada, Toshio, 4,842,041, Cl. 164-463.000.
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,836,981, Cl. 420-79.000.
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,844,865, Cl. 420-79.000.
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,861,548, Cl. 420-79.000.
- Shindo, Takuji; Naito, Hiromitsu; and Takeuchi, Makoto, 4,871,400, Cl. 148-12.70B.
- Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, 4,886,559, Cl. 148-421.000.
- Shindo, Yoshio; Wada, Koichi; and Yamazaki, Fumio, 4,853,295, Cl. 428-621.000.
- Shindo, Yoshio; Yamazaki, Fumio; Wada, Kouichi; Tomio, Hidehiro; and Saito, Katsushi, 4,857,154, Cl. 204-27.000.
- Shindou, Yoshio; and Kabeya, Motoo, 4,812,371, Cl. 428-659.000.
- Shindou, Yoshio; Kabeya, Motoo; Shimazu, Takashi; and Yamazaki, Fumio, 4,876,160, Cl. 428-623.000.
- Shingu, Hideo; Abe, Mitsunobu; Sato, Takashi; and Yamada, Toshio, 4,820,141, Cl. 419-8.000.
- Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, 4,851,059, Cl. 148-327.000.
- Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
- Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.
- Takeuchi, Eizo; Miyoshi, Hisamitsu; and Mori, Keiichiro, 4,845,972, Cl. 72-370.000.
- Takeuchi, Hidemaro; Matsumura, Shogo; Tsuboi, Harumi; and Yamamiya, Masao, 4,830,090, Cl. 164-488.000.
- Teramoto, Takero; and Usami, Takashi, 4,810,771, Cl. 528-298.000.
- Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,833,214, Cl. 525-420.000.
- Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, 4,845,185, Cl. 528-229.000.
- Tsuru, Eiji; Nishi, Shunji; and Ogasawara, Masao, 4,830,411, Cl. 285-334.000.
- Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, 4,839,317, Cl. 501-108.000.
- Ueda, Masanori; Abe, Masayuki; Shitani, Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, 4,883,544, Cl. 148-2.000.
- Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
- Ueshima, Yoshiyuki; Mizoguchi, Shozo; and Komatsu, Nobuyuki, 4,809,765, Cl. 164-122.100.
- Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
- Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.
- Watanabe, Kunio; Nishimura, Satoshi; and Kaneko, Kunishige, 4,869,758, Cl. 148-326.000.
- Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.
- Yamaoka, Masayoshi; Tsutsui, Kiyomi; Inoue, Tadashi; and Takahashi, Toyoki, 4,888,993, Cl. 73-760.000.
- Yamasaki, Kouji; Ikezaki, Eiji; Tano, Yasunori; and Nishizaka, Hiroshi, 4,846,903, Cl. 148-111.000.
- Yano, Seinosuke; Okamura, Yoshihiro; Kaku, Katsuo; and Kobayashi, Junichi, 4,826,543, Cl. 148-12.00F.
- Yashiro, Hirokatsu, Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.
- Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.
- Yoshida, Makoto; Higuchi, Seijun, Izaki, Teruaki; and Tanaka Osamu, 4,846,939, Cl. 204-15.000.
- Yoshitomi, Yasunari; and Iwayama, Kenzo, 4,824,493, Cl. 148-111.000.
- Yoshitomi, Yasunari; Iwayama, Kenzo; Nagashima, Takeo; and Yakashiro, Kenichi, 4,888,066, Cl. 148-113.000.
- Yoshiwara, Seishiro; Kawanami, Takao; Suzuki, Kenichi; and Kako, Yukihiro, 4,831,708, Cl. 29-423.000.

Nippon Steel Welding Products & Engineering Co., Ltd.: *See—*

- Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, 4,802,270, Cl. 29-241.000.

Nippon Steiner Co., Ltd.: *See—*

- Murano, Mitsuru, 4,828,343, Cl. 312-38.000.

Nippon Suisan Kabushiki Kaisha: *See—*

- Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.

Nippon Suisan Kaisha, Ltd.: *See—*

- Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.

Nippon T & T: *See—*

- Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.

Nippon Tansan Gas Co., Ltd.: *See—*

- Ozaki, Yohoji, 4,832,224, Cl. 220-89.00A.

Nippon Telegraph and Telegraph Corporation: *See—*

- Daikoku, Kazuhiro; and Ogose, Shigeaki, 4,803,739, Cl. 455-47.000.

- Nippon Telegraph and Telephone Corporation: *See—*
  - Akuto, Keiji, 4,889,777, Cl. 429-162.000.
  - Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.
  - Hashimoto, Hideo; Kuroda, Hideo; Kikuchi, Hiroaki; and Murakami, Tokumichi, 4,811,265, Cl. 364-730.000.
  - Hatori, Yoshinori; Nishiwaki, Mitsuo; and Mukawa, Naoki, 4,807,028, Cl. 358-133.000.
  - Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.
  - Hipple, James E.; Dionne, Gerald L.; Torii, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, 4,883,968, Cl. 250-423.00R.
  - Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.
  - Imagawa, Hitoshi; Urushidani, Shigeo; and Hagishima, Koichi, 4,864,558, Cl. 370-60.000.
  - Iwadate, Kazumi; and Harada, Katsuhiro, 4,820,609, Cl. 430-270.000.
  - Iwano, Shinichi; and Ando, Yasuhiro, 4,818,061, Cl. 350-96.210.
  - Kamoshida, Kazuyoshi; Nakamura, Hiroaki; and Amazawa, Takao, 4,816,126, Cl. 204-192.300.
  - Kaneko, Masahide; Matsuda, Kiichi; Mukawa, Naoki; and Koga, Toshio, 4,805,017, Cl. 358-105.000.
  - Kishimoto, Hideo; Sugita, Keizo; and Yoshitoshi, Makoto, 4,815,107, Cl. 375-96.000.
  - Kobayashi, Naoki; Sugiura, Hideo; and Horikoshi, Yoshiji, 4,829,022, Cl. 437-107.000.
  - Kubota, Shuji; and Kato, Shuzo, 4,805,174, Cl. 271-43.000.
  - Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, 4,804,247, Cl. 350-96.340.
  - Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
  - Matsuoka, Morito; and Ono, Ken'ichi, 4,874,497, Cl. 204-298.000.
  - Mizukami, Makoto; Otani, Koji; and Takanami, Shuichi, 4,796,112, Cl. 360-78.070.
  - Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,805,551, Cl. 437-81.000.
  - Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,848,273, Cl. 118-729.000.
  - Murakami, Toshiaki; and Moriwaki, Kazuyuki, 4,888,202, Cl. 427-42.000.
  - Murata, Yoshitoshi; Yoshizawa, Kazuhiro; Yotsutani, Akio; and Ito, Koichi, 4,802,200, Cl. 379-61.000.
  - Nagashima, Noriaki; Monma, Kohji; and Murata, Yoshitoshi, 4,879,740, Cl. 379-61.000.
  - Nakanishi, Tadashi; and Yamauchi, Hironori, 4,837,791, Cl. 377-49.000.
  - Nishi, Shiro; Sasaki, Shigekuni; and Hasuda, Yoshinori, 4,808,676, Cl. 525-423.000.
  - Ochi, Hiroshi; Tetsutani, Nobuji; Yamamoto, Tetsuji; and Nobuta, Hiroshi, 4,805,135, Cl. 364-900.000.
  - Oe, Kunishige; Kawaguchi, Hitoshi; and Yoshikuni, Yuzo, 4,856,005, Cl. 372-20.000.
  - Ogawa, Shigeki; and Tsukada, Eiichi, 4,803,389, Cl. 310-49.00R.
  - Ohtsuka, Akira; Goto, Tomoji; and Ida, Masao, 4,879,588, Cl. 357-68.000.
  - Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahito; and Yamaguchi, Ryoichi, 4,808,829, Cl. 250-491.100.
  - Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.
  - Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.
  - Sasaki, Shigekuni; and Hasuda, Yoshinori, 4,855,390, Cl. 528-170.000.
  - Shamoto, Naoki; Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.
  - Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, 4,852,148, Cl. 379-59.000.
  - Shimizu, Akihiro; and Miyaguchi, Shoji, 4,850,019, Cl. 380-29.000.
  - Shimizu, Isao; Miyatake, Katsunori; Urabe, Shuji; and Murota, Kazuaki, 4,817,197, Cl. 455-208.000.
  - Shiraki, Yoshinao; and Honda, Masaaki, 4,802,224, Cl. 381-41.000.
  - Shitara, Kenji; Sasaki, Akio; and Murata, Yoshitoshi, 4,833,702, Cl. 379-60.000.
  - Suda, Hiroyuki; Shibata, Shuichi; and Nakahara, Motohiro, 4,801,322, Cl. 65-144.000.
  - Sugimura, Akira; and Kimura, Tatsuya, 4,847,856, Cl. 372-96.000.
  - Takagi, Kusuo; and Inoue, Yuuzaburo, 4,835,497, Cl. 333-177.000.
  - Takahara, Hideyuki; and Kiuchi, Kazuo, 4,885,267, Cl. 501-134.000.
  - Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.
  - Takatori, Hiroshi; Matsuhara, Osamu; and Yamano, Seiichi, 4,833,691, Cl. 375-14.000.
  - Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.
  - Takeuchi, Kenichi; Saito, Shin; Araki, Shoji; and Nakayama, Atsushi, 4,881,253, Cl. 379-54.000.
  - Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, 4,831,516, Cl. 364-700.000.
  - Torii, Yasuhiro; Matsuo, Seitaro; Watanabe, Iwao; and Shimada, Masaru, 4,857,809, Cl. 315-111.310.
  - Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
  - Wakimoto, Tsutomu, and Akazawa, Yukio, 4,885,548, Cl. 330-260.000.
  - Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shinagawa, Noriteru; and Itano, Jiro, 4,856,048, Cl. 379-60.000.
  - Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.
  - Yoshizawa, Kazuhiro; Yotsutani, Akio; Saegusa, Noboru; Ito, Koichi; Huse, Syozi; and Toki, Akio, 4,802,201, Cl. 379-62.000.
  - Yoshizawa, Masahiro; Kikuchi, Akira; Wada, Kou; Fujinami, Minpei; and Shimazu, Nobuo, 4,851,768, Cl. 324-158.00R.
  - Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.
- Nippon Telegraph & Telephone Public Corporation: *See—*
  - Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.
  - Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, 4,838,916, Cl. 65-3.110.
  - Honda, Masaaki; and Moriya, Takehiro, 4,850,022, Cl. 381-36.000.
  - Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.
  - Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.
  - Kishi, Masahichi; Seki, Seizo; and Kanmuri, Noboru, 4,799,257, Cl. 380-9.000.
  - Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,155, Cl. 65-3.120.
  - Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, 4,857,001, Cl. 439-68.000.
  - Shibayama, Akinori; and Niijima, Hironobu, 4,835,535, Cl. 341-120.000.
  - Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, 4,801,186, Cl. 350-96.300.
  - Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.
- Nippon Television Network Corporation: *See—*
  - Sugimori, Yoshio; Araki, Yousai; Kurosaki, Tadao; and Urano, Joji, 4,882,628, Cl. 358-167.000.
- Nippon Tensaiseito Kabushiki Kaisha: *See—*
  - Sasaki, Yukio, 4,837,970, Cl. 47-14.000.
- Nippon Tenshashi Kabushiki Kaisha: *See—*
  - Mayama, Tatsushige; Ihata, Masanobu; and Yoshimoto, Yoshihiko, 4,794,693, Cl. 30-162.000.
  - Mayama, Tatsushige, 4,837,985, Cl. 51-364.000.
- Nippon Tetrapod Co. Ltd.: *See—*
  - Hasegawa, Minoru; and Hamaguchi, Norichika, 4,813,812, Cl. 405-16.000.
- Nippon Thompson Co., Ltd.: *See—*
  - Hidano, Kengo; and Amano, Susumu, 4,797,015, Cl. 384-580.000.
  - Kawachi, Takayuki, 4,887,918, Cl. 384-560.000.
  - Komiya, Yoshiyuki, 4,867,578, Cl. 384-15.000.
  - Morita, Kunihiko, 4,798,479, Cl. 384-45.000.
  - Mottate, Tatsuo, 4,795,272, Cl. 384-45.000.
  - Mottate, Tatsuo; and Geka, Toshiaki, 4,854,741, Cl. 384-45.000.
  - Sato, Osamu, 4,832,510, Cl. 384-44.000.
  - Shirane, Takashi, 4,820,062, Cl. 384-486.000.
  - Tanaka, Kazuhiko, 4,797,012, Cl. 384-45.000.
  - Tanaka, Kazuhiko, 4,799,803, Cl. 384-43.000.
  - Tanaka, Kazuhiko, 4,799,804, Cl. 384-44.000.
  - Tanaka, Kazuhiko, 4,799,805, Cl. 384-44.000.
  - Taniguchi, Shoichi, 4,850,540, Cl. 239-579.000.
  - Yokota, Yasunori, 4,799,302, Cl. 29-148.40C.
- Nippon Tsushin Densen Company, Ltd.: *See—*
  - Naitou, Katsumi, 4,849,767, Cl. 343-745.000.
- Nippon Tsusho Kabushiki Kaisha: *See—*
  - Mukai, Hideki; and Atari, Yasuhiro, 4,836,356, Cl. 198-499.000.
- Nippon Tungsten Co., Ltd.: *See—*
  - Furukawa, Mitsuhiko; Kitahira, Takashi; Tanaka, Sakae; and Misumi, Kiyohito, 4,874,725, Cl. 501-89.000.
  - Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, 4,796,127, Cl. 360-103.000.
  - Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Mohri, Shigeki; and Nagano, Mitsuyoshi, 4,814,915, Cl. 360-103.000.
  - Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
- Nippon Unicar Kabushiki Kaisha: *See—*
  - Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.
- Nippon Valqua Kogyo Kabushiki Kaisha: *See—*
  - Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, 4,821,753, Cl. 134-59.000.
- Nippon Wiperblade Co., Ltd.: *See—*
  - Arai, Masaru, 4,794,664, Cl. 15-250.420.

  - Arai, Masaru; and Saita, Itsuro, 4,800,610, Cl. 15-250.210.
  - Arai, Masaru; and Saita, Itsuro, 4,807,326, Cl. 15-250.420.
  - Arai, Masaru, 4,866,812, Cl. 15-250.320.
  - Sakai, Masao, 4,795,288, Cl. 403-24.000.
- Nippon Yakin Kogyo Co., Ltd.: *See—*
  - Mirura, Ryozo; Okamoto, Yoshio; Takahashi, Hiroki; and Inada, Souichi, 4,856,313, Cl. 72-234.000.
  - Taniuchi, Toshihiko; Nemoto, Rikio; and Fujiwara, Yoshito, 4,808,371, Cl. 420-54.000.
- Nippon Yusen Kaisha and Nippon Fruehauf Company, Ltd.: *See—*
  - Hanada, Heiroku; Uesu, Yoshihiro; Matsuyama, Yohei; and Kato, Yuji, 4,801,229, Cl. 410-26.000.
- Nippon Zeon Co., Ltd.: *See—*
  - Aonuma, Mitsuyoshi; and Nishimura, Koichi, 4,816,519, Cl. 525-216.000
  - Aonuma, Mitsuyoshi; and Sugi, Nagatoshi, 4,885,341, Cl. 525-187.000.
  - Endo, Hideki; Hashimoto, Kazuto; and Kato, Kohji, 4,833,203, Cl. 525-67.000.
  - Hamaguchi, Tetsuo; Ueda, Tsunehisa; and Natsuume, Tadao, 4,883,535, Cl. 106-93.000
  - Hata, Kotaro, 4,797,324, Cl. 428-411.100.
  - Kuhara, Kohichi; Shimazoe, Takahiro; Ishizuka, Toshiro; and Sekiya, Masayoshi, 4,831,073, Cl. 524-821.000.
  - Miki, Yoshiaki; and Ueda, Tsunehisa, 4,797,274, Cl. 424-76.100.
  - Nagase, Toshio, 4,885,118, Cl. 264-13.000.
  - Nakagawa, Takashi; and Sugimoto, Osamu, 4,828,923, Cl. 428-422.000.
  - Nakajima, Masao; Kobayashi, Takeo; and Yonehara, Shigeki, 4,830,908, Cl. 428-246.000.
  - Nishina, Masaaki; and Kawahuti, Junsei, 4,803,260, Cl. 528-487.000.
  - Ohyama, Tetsuo; Akita, Shuichi; Watanabe, Hiroyuki; and Ueda, Akio, 4,848,511, Cl. 180-312.000.
  - Yamakawa, Masahiro; Arai, Toyoichi; and Nitta, Kiyosi, 4,818,781, Cl. 524-407.000.
  - Yamakawa, Masahiro; and Nakamura, Eitaro, 4,851,465, Cl. 524-431.000.
  - Yamamoto, Haruhisa, 4,820,433, Cl. 252-62.570.
  - Yamato, Motoyuki; Ueno, Susumu; Okumura, Kinichi; and Fuchi, Masao, 4,853,435, Cl. 525-193.000.
- Nippon Zoki Pharmaceutical Co., Ltd.: *See—*
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,587, Cl. 514-258.000.
  - Go, Kouichiro; Kurimoto, Yoshiyuki; and Kitamura, Norihiko, 4,808,618, Cl. 514-258.000.
  - Kitamura, Norihiko; and Ohnishi, Akimoto, 4,886,807, Cl. 514-258.000.
  - Konishi, Ryusaku, 4,858,604, Cl. 128-156.000.
  - Yamada, Toshio; and Kageyama, Ken-ichi, 4,843,066, Cl. 514-45.000.
- Nippondenso Co., Ltd.: *See—*
  - Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, 4,805,576, Cl. 123-479.000.
  - Abe, Tomoaki; Kiyono, Masashi; and Takao, Mitsunori, 4,817,576, Cl. 123-519.000.
  - Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, 4,850,325, Cl. 123-479.000.
  - Abe, Tomoaki; Kiyono, Masahi; and Takao, Mitsunori, 4,866,620, Cl. 364-431.050.
  - Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.
  - Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
  - Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, 4,816,332, Cl. 428-304.400.
  - Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.
  - Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, 4,796,584, Cl. 123-403.000.
  - Hara, Masahiro; Okamoto, Atutoshi; Sakai, Toshiyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu, 4,818,847, Cl. 235-455.000.
  - Hasada, Satoshi; Tsuzuki, Yoshihiko; Konishi, Yoshimune; and Suzuki, Motoshi, 4,836,319, Cl. 180-142.000.
  - Hayashi, Satoshi; Tomita, Masahiro; Niwa, Hitoshi; and Mukai, Hirokatsu, 4,838,233, Cl. 123-506.000.
  - Hisanaga, Michio; Suzuki, Kazunori; Naito, Masataka; and Shirasaki, Shinichi, 4,832,893, Cl. 264-125.000.
  - Honda, Minoru; Fukuta, Toshiaki; Yamaguchi, Akihide; and Ikuta, Kenzi, 4,799,470, Cl. 123-470.000.
  - Hori, Makoto; Ogata, Itsuhei; Niwa, Hitoshi; and Miwa, Naoto, 4,831,432, Cl. 357-67.000.
  - Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, 4,834,052, Cl. 123-549.000.
  - Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.
  - Hosoe, Katsuharu; Itoh, Teruyoshi; Tachi, Ryosuke; and Nojiri, Takao, 4,883,033, Cl. 123-335.000.
  - Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nishimura, Yoji; and Seikou, Kiyokazu, 4,802,405, Cl. 98-2.060.
  - Imai, Masahito; Yamada, Toshitaka; Mizuno, Tiaki; and Shioya, Hirohito, 4,829,822, Cl. 73-516.00R.
  - Imai, Yasuhito; Okamoto, Atsutoshi; and Sakai, Toshiyasu, 4,864,112, Cl. 225-463.000.
  - Ina, Katsuhiro; Akiyama, Susumu; and Hirabayashi, Yuji, 4,800,499, Cl. 364-431.030.
  - Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,843,557, Cl. 364-431.770.
  - Ishikawa, Hiroshi; and Shingai, Hidetaka, 4,822,252, Cl. 417-222.000.
  - Iwase, Teruhiko, 4,818,784, Cl. 524-463.000.
  - Izutani, Kouji; and Shigeta, Isamu, 4,844,793, Cl. 210-97.000.
  - Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
  - Kaga, Hideki; and Kobayashi, Hisanori, 4,798,522, Cl. 417-363.000.
  - Kajino, Sadayosi; and Iida, Atsuomi, 4,887,056, Cl. 335-126.000.
  - Kamei, Eiichi; and Namba, Hideaki, 4,840,245, Cl. 180-179.000.
  - Kato, Hidetoshi, 4,794,898, Cl. 123-339.000.
  - Kato, Masahiko; Katou, Masanori; Kuwakado, Satosi; Tanaka, Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.
  - Kato, Yoji; Minai, Osamu; Tukamoto, Hirosi; Hagiwara, Takashi; and Kosaka, Katsuji, 4,881,018, Cl. 318-9.000.
  - Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, 4,843,454, Cl. 357-79.000.
  - Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,029, Cl. 501-108.000.
  - Kawai, Kazuhide, 4,834,056, Cl. 123-634.000.
  - Kawai, Naoki; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; Ina, Toshikazu; and Kuno, Akira, 4,822,093, Cl. 296-65.100.
  - Kikuchi, Toshiaki; Kinugawa, Masumi; and Kamai, Kenichirou, 4,805,578, Cl. 123-489.000.
  - Kishimoto, Masashi; Asami, Ken; and Sakai, Kazunori, 4,805,104, Cl. 364-426.010.
  - Kiyono, Masashi; Abe, Tomoaki; and Takao, Mitsunori, 4,796,591, Cl. 123-492.000.
  - Kiyono, Masashi; Takeuchi, Kanji; Abe, Tomoaki; and Takao, Mitsunori, 4,854,283, Cl. 123-361.000.
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.
  - Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.
  - Kondo, Naohiko; Hanai, Mineo; Miyagawa, Yoshiaki; Mochizuki, Ikuo; Ito, Yuji; and Iwase, Takatoshi, 4,834,700, Cl. 493-463.000.
  - Kozaki, Tetsuji; Shimamoto, Mamoru; and Moriguchi, Kouichi, 4,834,419, Cl. 280-707.000.
  - Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,848,851, Cl. 303-100.000.
  - Kuroyanagi, Masatoshi; Matsui, Kazuma; Majima, Youzou; and Murakami, Fumiaki, 4,802,562, Cl. 192-1.230.
  - Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, 4,880,282, Cl. 303-116.000.
  - Maruyama, Toshinori; Sato, Hirohide; and Matsuhashi, Toshiaki, 4,862,055, Cl. 322-8.000.
  - Masegi, Mitsuhiko; Sakurai, Masao; and Aso, Makoto, 4,835,514, Cl. 340-426.000.
  - Matsuda, Shigeki; Mori, Kazuhiko; Gotou, Wataru; and Ohnuki, Takahiro, 4,880,476, Cl. 148-253.000.
  - Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.
  - Matsumoto, Naoki; Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,811,993, Cl. 303-100.000.
  - Matsumura, Toshimi; Omori, Norio; and Kobayashi, Hisanori, 4,814,997, Cl. 364-431.050.
  - Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,807,445, Cl. 62-212.000.
  - Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,829,777, Cl. 62-212.000.
  - Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.
  - Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.
  - Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.
  - Mizukoshi, Masahito; Kawasaki, Eishi; Miyajima, Takeshi; and Fukazawa, Takeshi, 4,881,056, Cl. 338-4.000.
  - Mizuno, Hiroshi; Shibata, Yoshihisa; and Sakurai, Takashi, 4,816,838; Cl. 343-771.000.
  - Mizuno, Tooru; and Kiribayashi, Shinichi, 4,835,447, Cl. 315-169.100.
  - Moriguchi, Koichi; Imani, Yuichi; and Kozaki, Tetsuji, 4,844,506, Cl. 280-689.000.
  - Nagata, Kiyoshi; Tatsukawa, Junichi; Kawashima, Yutaka; and Kobayashi, Hisanori, 4,869,225, Cl. 123-509.000.
  - Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, 4,825,373, Cl. 364-431.050.
  - Nanba, Sinzi; Mizuno, Toru; Koike, Satoshi; and Goto, Tukasa, 4,832,427, Cl. 350-3.720.
  - Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.

Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.
Nishizawa, Kazutoshi; Takagi, Masashi; Matsuoka, Akio; and Nomura, Fuzio, 4,828,463, Cl. 417-307.000.
Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, 4,814,581, Cl. 219-270.000.
Obayashi, Hideki; Nishio, Yoshitaka; Kohama, Tokio; and Goto, Hiroyuki, 4,858,568, Cl. 123-52.00M.
Ogawa, Shinji; Kajikawa, Yoshiharu; Kuroyanagi, Isao; Baba, Norimasa; and Ohara, Toshio, 4,870,834, Cl. 62-197.000.
Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
Ohya, Nobuyuki; Saburi, Toshiki; Yamazaki, Toru; and Katoh, Taisei, 4,829,030, Cl. 501-134.000.
Oikawa, Yukio; Okamoto, Kunio; and Shibakawa, Takahiro, 4,831,011, Cl. 502-406.000.
Okada, Hiroshi; Kato, Yukihiro; Ina, Osamu; and Ikeda, Kazuhisa, 4,838,089, Cl. 73-727.000.
Okada, Tatsuo; Sumiya, Sadao; and Nakano, Masakimi, 4,840,059, Cl. 73-119.00A.
Okubo, Osamu; Kato, Takeo; and Tsushima, Tetsurou, 4,874,918, Cl. 219-85.110.
Onogi, Nobuyoshi; Shimamoto, Mamoru; and Shinoda, Yoshio, 4,797,826, Cl. 364-426.040.
Onogi, Nobuyoshi; Shimamoto, Mamoru; Hoashi, Yosiaki; and Tago, Masakazu, 4,807,941, Cl. 303-108.000.
Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.
Ozawa, Takashi; Tanaka, Hitoshi; Goshima, Takahiro; and Takagi, Kozi, 4,875,741, Cl. 303-116.000.
Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,824,812, Cl. 501-134.000.
Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,840,926, Cl. 501-134.000.
Sagisaka, Yasuo; and Sano, Ryuichi, 4,800,859, Cl. 123-497.000.
Saitoh, Mitsuhiro, 4,799,047, Cl. 340-618.000.
Sakaida, Atsushi; Suzuki, Masanori; and Naito, Yoshihiro, 4,795,524, Cl. 156-498.000.
Sakane, Takaaki; and Takeuchi, Kazuhiro, 4,840,541, Cl. 416-223.00R.
Sano, Ryuichi; and Isomura, Shigenori, 4,875,443, Cl. 123-179.00G.
Sato, Yasuyuki; Sugata, Masaki; and Murai, Hiroyuki, 4,853,582, Cl. 313-141.000.
Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, 4,864,568, Cl. 371-8.200.
Setaka, Yousuke; Yanase, Sumio; Takeuchi, Kanji; and Miyahara, Masahiko, 4,881,414, Cl. 73-862.330.
Shibata, Yoshihisa; and Mizuno, Hiroshi, 4,845,506, Cl. 343-713.000.
Shibata, Yoshihisa; and Mizuno, Hiroshi, 4,887,089, Cl. 343-700.0MS.
Shirai, Tokuo; and Morita, Kazuhiro, 4,847,968, Cl. 29-159.00R.
Susa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, 4,809,773, Cl. 165-104.320.
Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.
Takamura, Kozo; Murai, Hiroyuki; and Sato, Yasuyuki, 4,845,400, Cl. 313-142.000.
Takanabe, Kazunori; Yamamoto, Masaki; Ito, Kenzo; and Fujinami, Hiroshi, 4,890,104, Cl. 340-995.000.
Takeuchi, Hitoshi; Tsujii, Masao; and Ohba, Masahiro, 4,819,172, Cl. 364-431.070.
Tamura, Hiroshi; Hiromasa, Shunichiro; and Kondo, Toshio, 4,821,726, Cl. 123-498.000.
Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.
Toyama, Koichi; Narita, Ko; and Nonaka, Toshihito, 4,809,668, Cl. 123-609.000.
Tsuzuki, Yukio; and Yamaoka, Masami, 4,879,254, Cl. 437-41.000.
Umemura, Koji; Nakashima, Toru; Ina, Yoshifumi; and Miyamoto, Masashi, 4,844,621, Cl. 415-119.000.
Ushida, Masahiko; and Shibata, Hitoshi, 4,841,155, Cl. 250-463.100.
Ushida, Masayasu; Nakao, Sigeru; and Hattori, Kyo, 4,869,216, Cl. 123-146.50A.
Wakata, Hideo; Imoto, Yuzo; Takei, Toshihiro; and Hattori, Yoshiyuki, 4,796,957, Cl. 303-116.000.
Wakata, Hideo; Takei, Toshihiro; Hattori, Yoshiyuki; Uno, Haruhiko; and Imoto, Yuzo, 4,836,618, Cl. 303-103.000.
Yagi, Hirokazu; Maeda, Shiro; and Kondo, Yoshiaki, 4,813,647, Cl. 251-129.050.
Yamada, Hirotada; Ina, Yoshifumi; Kondo, Toshio; and Kato, Katsushi, 4,827,897, Cl. 123-497.000.
Yamada, Motokazu; Hayakawa, Hideyuki; Fukui, Tomonori; Matsuhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata, Tomihiko, 4,812,845, Cl. 340-995.000.
Yamada, Takeshi; Fujimoto, Hidetoshi; Ito, Kenzo; and Hanabusa, Kazunori, 4,812,980, Cl. 364-449.000.
Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.
Yamamoto, Yoshihisa, 4,852,808, Cl. 239-533.300.
Yamanaka, Yasutoshi; Izumida, Teruo; and Nomura, Kazuya, 4,836,276, Cl. 165-51.000.
Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe, Osamu, 4,821,531, Cl. 62-515.000.
Yonekawa, Masao; and Takao, Mitsunori, 4,867,126, Cl. 123-520.000.
Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, 4,835,509, Cl. 338-32.00R.

Nique, Francois; Nedelec, Lucien; Bouton, Marie-Madeleine; and Philibert, Daniel, to Roussel Uclaf. Novel 19-nor-steroids. 4,874,754, 10-17-89, Cl. 514-178.000.
Nir, Zohar: *See—*
Vogl, Otto; and Nir, Zohar, 4,812,575, Cl. 548-260.000.
Niranjan, Keshavan: *See—*
Davidson, John F.; Niranjan, Keshavan; and Pandit, Aniruddha B., 4,799,862, Cl. 416-242.000.
Niravoice, Inc.: *See—*
Schwartz, Nira, 4,805,208, Cl. 379-93.000.
Schwartz, Nira, 4,825,451, Cl. 375-27.000.
Schwartz, Nira, 4,852,129, Cl. 375-122.000.
Niro Atomizer Inc.: *See—*
Hansen, Ove, 4,883,004, Cl. 110-343.000.
Niro, Masaichi: *See—*
Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
Maniwa, Yoshio; Morita, Takashi; Niro, Masaichi; Abe, Daisuke; and Nagayama, Haruhiko, 4,872,091, Cl. 361-424.000.
Niro-Plan AG: *See—*
Sperka, Adolf; and Kemmerling, Wolfgang, 4,813,087, Cl. 4-629.000.
Nirumandrad, Mohammadreza, to Industrial Microsystems, Inc. Analyzing analog quadrature signals. 4,862,396, 8-29-89, Cl. 364-571.020.
Nisato, Dino; and Frigerio, Marco, to Societe Anonyme: SANOFI. 3-aminoazetidine, its salts and intermediates of synthesis. 4,822,895, 4-18-89, Cl. 548-953.000.
Nisato, Dino: *See—*
Descamps, Marcel; Nisato, Dino; and Verstraeten, Walter, 4,814,485, Cl. 560-39.000.
Wagnon, Jean; Plouzane, Claude; Tonnerre, Bernard; and Nisato, Dino, 4,806,655, Cl. 548-455.000.
Wagnon, Jean; Guegan, Remy; LaCour, Colette; and Nisato, Dino, 4,840,935, Cl. 514-18.000.
Nisenbaum, Phillip. Cement screed tool. 4,828,427, 5-9-89, Cl. 404-97.000.
Nisenson, Jules, to Technological Resources Corp. Ozone generating device. 4,859,429, 8-22-89, Cl. 422-186.130.
Nishi, Eiichi; Aso, Fumio; and Nakagawa, Hiroyoshi, to Nihon Parkerizing Co., LTD. Method for drawing iron and steel wire rod. 4,808,245, 2-28-89, Cl. 148-6.15R.
Nishi, Eiichi: *See—*
Nakagawa, Hiroyoshi; Nishi, Eiichi; and Kanda, Masanori, 4,846,897, Cl. 148-251.000.
Nishi, Haruo: *See—*
Kohmura, Kisaburo; Nishi, Haruo; and Takagi, Masanari, 4,830,278, Cl. 99-468.000.
Nishi, Hidetoshi: *See—*
Shigaki, Masafumi; Kurihara, Hiroshi; and Nishi, Hidetoshi, 4,855,895, Cl. 363-157.000.
Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, to Mitsubishi Chemical Industries Limited. Prophylactic and therapeutic composition for circulatory disorders and method of treatment. 4,857,542, 8-15-89, Cl. 514-404.000.
Nishi, Hisami: *See—*
Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Nishi, Hisami; and Katsuki, Kazuo, 4,809,344, Cl. 382-32.000.
Peppers, Norman A.; Young, James R.; Nishi, Hisami; and Ueno, Hiroshi, 4,817,169, Cl. 382-9.000.
Peppers, Norman A.; Young, James R.; Nishi, Hisami; Ueno, Hiroshi; and Katsuki, Kazuo, 4,827,529, Cl. 382-9.000.
Nishi, Katsuhiro: *See—*
Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.
Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, to ASCII Corp.; and Nippon Gakki Seizo Kabushiki Kaisha. Video display control system. 4,804,948, 2-14-89, Cl. 340-703.000.
Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, to ASCII Corporation; and Nippon Gakki Seizo Kabushiki Kaisha. Video display processor. 4,812,828, 3-14-89, Cl. 340-706.000.
Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, to ASCII Corporation; and Nippon Gakki Seizo Kabushiki Kaisha. Video display control system for animation pattern image. 4,864,289, 9-5-89, Cl. 340-725.000.
Nishi, Kenji, to Nikon Corporation. Projection optical apparatus with focusing and alignment of reticle and wafer marks. 4,829,193, 5-9-89, Cl. 250-548.000.

Nishi, Kenji, to Nikon Corporation. Projection exposure apparatus. 4,856,905, 8-15-89, Cl. 356-401.000.
Nishi, Kenji, to Nikon Corporation. Optical device for alignment in a projection exposure apparatus. 4,880,310, 11-14-89, Cl 356-401.000.
Nishi, Kohichi: *See—*
Himuro, Keiji; and Nishi, Kohichi, 4,864,337, Cl. 354-152.000.
Tsurukawa, Ikuya; Nishi, Kohichi; and Yamaguchi, Kunihisa, 4,831,399, Cl. 354-221.000.
Yamaguchi, Kunihisa; Nishi, Kohichi; Tsurukawa, Ikuya; and Sawabe, Kosaku, 4,847,648, Cl. 354-195.120.
Nishi, Masaaki; Yasunaga, Moritoshi; and Kamikawai, Ryotaro, to Hitachi, Ltd. Connector structure. 4,806,111, 2-21-89, Cl. 439-109.000.
Nishi, Masanori: *See—*
Kimura, Kaoru; Nishi, Masanori; and Minami, Yoshikatsu, 4,884,189, Cl. 364-474.310.
Nishi, Masatsugu: *See—*
Tsumaki, Koji; Miyata, Kenji; and Nishi, Masatsugu, 4,812,774, Cl. 328-233.000.
Nishi, Masaya: *See—*
Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, 4,844,953, Cl. 427-387.000.
Kato, Chiaki; Nishi, Masaya; and Hatta, Toshiyuki, 4,887,340, Cl. 29-130.000.
Nishi, Naoichi, to Nishi Seisakusho Co., Ltd. Edge trimmer guide for sewing machine. 4,811,672, 3-14-89, Cl. 112-128.000.
Nishi, Naomi; Kami, Shigetake; and Yamaguchi, Takashi, to Ryobi Limited. Aluminum die-casting alloys. 4,847,048, 7-11-89, Cl. 420-547.000.
Nishi, Osamu: *See—*
Tokumaru, Yuzo; and Nishi, Osamu, 4,812,008, Cl. 350-96.210.
Nishi, Seiki: *See—*
Watanabe, Mikio; Shimanuki, Koji; and Nishi, Seiki, 4,887,161, Cl. 358-224.000.
Nishi Seisakusho Co., Ltd.: *See—*
Nishi, Naoichi, 4,811,672, Cl. 112-128.000.
Nishi, Shiro; Sasaki, Shigekuni; and Hasuda, Yoshinori, to Nippon Telegraph and Telephone Corporation. Polyetherimide/epoxyimide resin composition. 4,808,676, 2-28-89, Cl. 525-423.000.
Nishi, Shunji: *See—*
Tsuru, Eiji; Nishi, Shunji; and Ogasawara, Masao, 4,830,411, Cl. 285-334.000.
Nishi, Takashi: *See—*
Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
Nishi, Tatsunari; Saito, Akiko; and Itoh, Seiga, to Kyowa Hakko Kogyo Co., Ltd. Promoter. 4,868,125, 9-19-89, Cl. 435-320.000.
Nishi, Tatsunari: *See—*
Taniguchi, Tadatsugu; Sugano, Haruo; Nishi, Tatsunari; Vilcek, Jan T.; and Yip, Yum K., 4,835,256, Cl. 530-351.000.
Nishi, Tomoya: *See—*
Suzuki, Kenji; Takagi, Toshiyuki; and Nishi, Tomoya, 4,803,653, Cl. 364-900.000.
Nishi, Yasuhiko: *See—*
Sugitani, Yuji; and Nishi, Yasuhiko, 4,816,639, Cl. 219-137.0PS.
Sugitani, Yuji; Kanjo, Yosihiro; and Nishi, Yasuhiko, 4,816,640, Cl. 219-137.0PS.
Sugitani, Yuji; and Nishi, Yasuhiko, 4,816,641, Cl. 219-137.0PS.
Sugitani, Yuji; Nishi, Yasuhiko; and Kanjo, Yoshihiro, 4,851,639, Cl. 219-124.340.
Sugitani, Yuji; Sato, Yoshikazu; and Nishi, Yasuhiko, 4,876,432, Cl. 219-124.320.
Nishi, Yasutaka: *See—*
Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.
Nishi, Yohkichi: *See—*
Matsuda, Tomoo; Hosoi, Mitsuo; Nishi, Yohkichi; and Yoshikawa, Eiji, 4,866,617, Cl. 364-424.020.
Nishi, Yoshinori: *See—*
Ishikawa, Kazuo; and Nishi, Yoshinori, 4,811,827, Cl. 192-0.076.
Nishi, Yoshio: *See—*
Lee, Keunmyung; and Nishi, Yoshio, 4,812,419, Cl. 437-203.000.
Nishi, Yoshiro: *See—*
Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
Nishi, Yoshitsuga; Kawasaki, Kenji; Hayashi, Mutuo; and Yamagishi, Chitake, to Nihon Cement Co., Ltd. Process and apparatus for producing non-oxide compounds. 4,818,511, 4-4-89, Cl. 423-344.000.
Nishibayashi, Yoshifumi: *See—*
Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.
Nishibe, Minoru: *See—*
Saeki, Chikara; and Nishibe, Minoru, 4,876,869, Cl. 72-68.000.
Nishibe, Shinji; and Shiraki, Mikio, to Kabushiki Kaisha Toshiba. System for transferring data between memories in a data-processing apparatus having a bitblt unit. 4,845,656, 7-4-89, Cl. 364-900.000.
Nishibe, Takashi, to Fuji Electric Co., Ltd. Time measuring system with large dynamic range. 4,802,194, 1-31-89, Cl. 377-20.000.
Nishibe, Takashi; and Yokoyama, Shotaro, to Fuji Electric Co., Ltd. Device for measuring light intensity received by a photosensor. 4,847,483, 7-11-89, Cl. 250-214.0AL.
Nishibe, Yuji; Nonomura, Yutaka; and Takeuchi, Masaharu, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Torque detecting apparatus. 4,811,609, 3-14-89, Cl. 73-862.360.
Nishibe, Yuji: *See—*
Nonomura, Yutaka; Tsukada, Kouji; Nishibe, Yuji; and Takeuchi, Masaharu, 4,803,885, Cl. 73-862.360.
Nishibori, Sadao, to Ein (America) Inc. Animal protein resin-plastic compositions and manufactures incorporating animal skins and/or leather and/or gelatin powder therein, the powder therein, and method of producing the same. 4,834,762, 5-30-89, Cl. 8-94.10R.
Nishida, Emiko: *See—*
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,873,374, Cl. 568-743.000.
Miura, Tohru; Nagata, Teruyuki; Okazaki, Koju; Furuya, Masayuki; and Nishida, Emiko, 4,877,907, Cl. 568-721.000.
Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, to Dainippon Screen Mfg. Co., Ltd. Apparatus for composing a plurality of original films on a base sheet. 4,821,078, 4-11-89, Cl. 355-75.000.
Nishida, Hiroshi; and Takahashi, Tsuyoshi, to Hitachi, Ltd. Magnetic disc memory device. 4,814,916, 3-21-89, Cl. 360-106.000.
Nishida, Hiroshi: *See—*
Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, 4,795,928, Cl. 310-13.000.
Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, 4,812,934, Cl. 360-106.000.
Nishida, Ikuo: *See—*
Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
Nishida, Jun: *See—*
Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, 4,804,887, Cl. 313-495.000.
Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, 4,812,716, Cl. 315-366.000.
Nishida, Katsutoshi: *See—*
Komeya, Katsutoshi; Hashimoto, Masahiro; Nishida, Katsutoshi; and Komatsu, Michiyasu, 4,879,263, Cl. 501-97.000.
Nishida, Koji: *See—*
Konno, Tadashige; Nishida, Koji; and Saitoh, Makoto, 4,847,730, Cl. 361-306.000.
Nishida, Konosuke; Hada, Mitsue; and Hiki, Shozo, to Nishida, Konosuke; Hada, Mitsue; and Hanshim Kikagaku Kabushiki Kaisha. Adsorbent for removing water- or air-borne contaminants. 4,877,534, 10-31-89, Cl. 210-691.000.
Nishida, Kouji: *See—*
Imaizumi, Tomoaki; Kawai, Taneichi; Nishida, Kouji; and Murakami, Yuuichi, 4,860,002, Cl. 340-825.310.
Nishida, Kozi: *See—*
Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, 4,816,524, Cl. 525-378.000.
Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, 4,804,259, Cl. 350-96.340.
Nishida, Makoto; and Hanaoka, Hiroaki, to Toshiba Silicone Co., Ltd. Process for producing alkoxysilanes. 4,851,558, 7-25-89, Cl. 556-471.000.
Nishida, Makoto: *See—*
Oda, Kengo; Ishii, Tsutomu; Fukushi, Yukiharu; Enomoto, Yuji; Nishida, Makoto; and Hojo, Yoshikata, 4,889,551, Cl. 71-88.000.
Nishida, Manabu, to Tokyo Electric Company, Ltd. Label printer. 4,878,771, 11-7-89, Cl. 400-70.000.
Nishida, Masaaki: *See—*
Ando, Masahiko; Hayakawa, Youichi; Nishida, Masaaki; and Yamada, Toshihiro, 4,864,892, Cl. 74-760.000.
Nishida, Masahiro, to Koyo Seiko Co., Ltd. Back-up roll in a rolling mill. 4,875,261, 10-24-89, Cl 29-116.100.
Nishida, Masahiro: *See—*
Maeda, Sadahiko; Takahashi, Hideaki; Idei, Yasumasa; and Nishida, Masahiro, 4,815,418, Cl. 122-4.00D.
Nishida, Masami; and Orgami, Nobutoshi, to Dainippon Screen Mfg. Co., Ltd. Apparatus for processing substrate surface. 4,838,979, 6-13-89, Cl. 156-345.000.
Nishida, Masami: *See—*
Murakami, Tokumichi; Nishida, Masami; and Ito, Atsushi, 4,878,230, Cl. 375-27.000.
Otani, Masami; Nishida, Masami; Himoto, Masahiro; and Tsuchiya, Akio, 4,846,623, Cl. 414-225.000.
Nishida, Masashi: *See—*
Yoshiro, Ashina; Yamaguchi, Yasumasa; Nishida, Masashi; and Doi, Toshiaki, 4,844,809, Cl. 210-636.000.
Nishida, Masayuki: *See—*
Tanaka, Toshihiko; and Nishida, Masayuki, 4,816,409, Cl. 435-311.000.
Nishida, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Internal combustion engine controlling apparatus. 4,823,760, 4-25-89, Cl. 123-571.000.

- Nishida, Minoru; Mizuno, Naohito; Hattori, Tadashi; Huzino, Seizi; and Ando, Yoshiyasu, to Nippon Soken, Inc. Semiconductor pressure sensor with method diaphragm. 4,840,067, 6-20-89, Cl. 73-726.000.
- Nishida, Minoru: *See—*
  - Kotani, Yasuo; Yamawaki, Kengi; and Nishida, Minoru, 4,863,493, Cl. 55-20.000.
  - Morihiro, Yoshiharu; and Nishida, Minoru, 4,805,217, Cl. 381-35.000.
- Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, to Mitsubishi Denki Kabushiki Kaisha. Scroll-type positive displacement apparatus with oil supply to compression chamber. 4,842,499, 6-27-89, Cl. 418-55.000.
- Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, to Mitsubishi Denki Kabushiki Kaisha. Scroll-type vacuum apparatus with rotating scrolls and discharge valve. 4,846,640, 7-11-89, Cl. 418-55.000.
- Nishida, Mitsuhiro; Etou, Isamu; and Morishita, Etsuo, to Mitsubishi Denki Kabushiki Kaisha. Scroll-type vacuum apparatus with oil supply to a compression chamber. 4,865,530, 9-12-89, Cl. 418-55.00E.
- Nishida, Mitsuru: *See—*
  - Akiyama, Hiroyuki; Sudo, Yoshimi; Kishida, Masahiko; and Nishida, Mitsuru, 4,806,293, Cl. 264-53.000.
- Nishida, Naoto; and Nishio, Mitsuhiro, to Kabushiki Kaisha Toshiba. Metal vapor laser apparatus. 4,876,690, 10-24-89, Cl. 372-56.000.
- Nishida, Nobuo: *See—*
  - Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, 4,798,339, Cl. 239-601.000.
- Nishida, Norio: *See—*
  - Eguchi, Naoya; and Nishida, Norio, 4,843,601, Cl. 369-44.000.
  - Kobayashi, Seiji; and Nishida, Norio, 4,853,918, Cl. 369-44.000.
- Nishida, Shigeo: *See—*
  - Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, 4,875,218, Cl. 372-64.000.
- Nishida, Shinichi: *See—*
  - Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,889,098, Cl. 123-489.000.
  - Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,886,028, Cl. 123-479.000.
- Nishida, Shuzo: *See—*
  - Juso, Hiromi; Nishida, Shuzo; Okuno, Keizo; and Minoda, Hidenori, 4,869,566, Cl. 350-96.200.
- Nishida, Souji: *See—*
  - Sato, Isao; Miyake, Nobuhiko; and Nishida, Souji, 4,874,259, Cl. 384-445.000.
- Nishida, Sumio; Matsuo, Noritada; Hatakoshi, Makoto; and Kisida, Hirosi, to Sumitomo Chemical Company, Limited. Certain-phenoxyphenoxy-alkylene-oxy-pyrimidines or symmetrical triazines, thio-analogues thereof, having insecticidal activity. 4,879,292, 11-7-89, Cl. 514-241.000.
- Nishida, Sumio: *See—*
  - Kisida, Hirosi; Nishida, Sumio; and Hatakoshi, Makoto, 4,847,259, Cl. 514-274.000.
  - Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.
  - Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.
- Nishida, Takao, to Asahi Kogaku Kogyo Kabushiki Kaisha. Shutter speed setting apparatus. 4,833,499, 5-23-89, Cl. 354-458.000.
- Nishida, Takao: *See—*
  - Hashimoto, Isamu; and Nishida, Takao, 4,855,772, Cl. 354-173.100.
  - Tanaka, Yoshio; Fujii, Shigeru; Nishida, Takao; and Fujita, Yasushi, 4,859,886, Cl. 310-51.000.
- Nishida, Takashi: *See—*
  - Kobayashi, Shigeo; and Nishida, Takashi, 4,871,799, Cl. 525-64.000.
  - Tanaka, Yasuyuki; Ibata, Koichi; Mizuno, Masao; Ninagawa, Yoichi; and Nishida, Takashi, 4,886,904, Cl. 560-249.000.
- Nishida, Takeshi: *See—*
  - Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.
- Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, to Hitachi, Ltd. Information recording apparatus for recording/reproducing information by irradiating an information recording medium with an energy beam. 4,806,952, 2-21-89, Cl. 346-108.000.
- Nishida, Tetsuya: *See—*
  - Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
  - Kawasaki, Masami; Sanpei, Keiichi; and Nishida, Tetsuya, 4,845,929, Cl. 56-17.500.
  - Terao, Motoyasu; Nishida, Tetsuya; Miyauchi, Yasushi; and Horigome, Shinkichi, 4,866,672, Cl. 365-151.000.
- Nishida, Tohru: *See—*
  - Araki, Kunihiko; Kobayashi, Mikio; Terui, Hiroshi; and Nishida, Tohru, 4,835,558, Cl. 354-156.000.
- Nishida, Toshio: *See—*
  - Shirakawa, Masakazu; Yamashita, Hiroaki; and Nishida, Toshio, 4,888,728, Cl. 364-900.000.
- Nishida, Tsuyoshi: *See—*
  - Ito, Ryoichi; Iwai, Koji; Nishida, Tsuyoshi; and Kimura, Junji, 4,883,024, Cl. 123-41.700.
  - Yamada, Kiichiro; and Nishida, Tsuyoshi, 4,825,816, Cl. 123-41.570.
- Nishida, Yoshie; Hata, Seiji; and Tsuji, Masao, to Hitachi, Ltd. Method and apparatus for calculating position and orientation by combination of features of partial shapes. 4,803,735, 2-7-89, Cl. 382-8.000.
- Nishida, Yoshikazu: *See—*
  - Kadota, Yasushi; and Nishida, Yoshikazu, 4,832,665, Cl. 474-112.000.
- Nishide, Tsutomu: *See—*
  - Yasukawa, Takuji; Nishide, Tsutomu; and Yasumura, Daisuke, 4,849,019, Cl. 106-244.000.
- Nishido, Kazuhiro: *See—*
  - Tarumi, Noriyoshi; and Nishido, Kazuhiro, 4,827,868, Cl. 118-653.000.
- Nishie, Mitsuaki: *See—*
  - Takada, Hisashi; and Nishie, Mitsuaki, 4,864,193, Cl. 315-71.000.
- Nishiga, Kazuya: *See—*
  - Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
- Nishigai, Kazuhisa: *See—*
  - Harada, Jumei; and Nishigai, Kazuhisa, 4,871,259, Cl. 366-85.000.
- Nishigaki, Satoshi: *See—*
  - Ohhara, Soji; Nishigaki, Satoshi; Tsuchimoto, Shuhei; and Kita, Ryusuke, 4,828,876, Cl. 427-76.000.
- Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, to Olympus Optical Co., Ltd. Rigid electronic endoscope. 4,879,992, 11-14-89, Cl. 128-6.000.
- Nishigaki, Shinichi: *See—*
  - Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.
  - Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803.550, Cl. 358-98.000.
  - Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.
- Nishigaki, Susumu; Fukuda, Junzo; Yano, Shinsuke; and Kawabe, Hiroshi, to Narumi China Corporation. Multilayer ceramic substrate with circuit patterns. 4,795,670, 1-3-89, Cl. 428-209.000.
- Nishigaki, Susumu: *See—*
  - Tatsuki, Kouichi; Murano, Kanji; and Nishigaki, Susumu, 4,849,384, Cl. 501-134.000.
  - Yano, Shinsuke; Nishigaki, Susumu; Kato, Hiroshi; and Nonomura, Toshio, 4,824,813, Cl. 501-139.000.
- Nishigaki, Toru: *See—*
  - Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.
  - Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyanagi, Yoshiro, 4,800,483, Cl. 364-200.000.
  - Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, 4,870,565, Cl. 364-200.000.
- Nishigaki, Yuji; and Kawamura, Naoto, to Canon Kabushiki Kaisha. Color image sensor including a plurality of photocells and a plurality of colored filters provided on the plurality of photocells. 4,870,483, 9-26-89, Cl. 358-44.000.
- Nishigaki, Yuji: *See—*
  - Kawamura, Naoto; Kitamura, Takashi; Ohta, Shinichi; and Nishigaki, Yuji, 4,864,326, Cl. 346-108.000.
- Nishigawa, Norio: *See—*
  - Imamura, Takashi; Nishigawa, Norio; Kurosaki, Tomihiro; Fukasawa, Junichi; and Kato, Haruya, 4,804,533, Cl. 424-69.000.
- Nishiguchi, Masanori, to Sumitomo Electric Industries, Ltd. Method of adjusting bridge circuit of semiconductor pressure sensor. 4,809,536, 3-7-89, Cl. 73-4.00R.
- Nishiguchi, Masanori; Sogawa, Ichiro; and Sunago, Katsuyoshi, to Sumitomo Electric Industries, Ltd. Method of testing semiconductor pressure sensor. 4,825,684, 5-2-89, Cl. 73-4.00R.
- Nishiguchi, Masanori; Sekiguchi, Takeshi; and Fujihira, Mitsuaki, to Sumitomo Electric Industries, Ltd. Method and apparatus for die-bonding semiconductor chip bonding. 4,844,325, 7-4-89, Cl. 228-180.200.
- Nishiguchi, Masanori, to Sumitomo Electric Industries, Ltd. Chip mounting apparatus. 4,859,269, 8-22-89, Cl. 156-361.000.
- Nishiguchi, Masanori, to Sumitomo Electric Industries, Ltd. Chip mounting apparatus. 4,868,974, 9-26-89, Cl. 29-740.000.
- Nishiguchi, Masanori: *See—*
  - Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.
- Nishiguchi, Masayuki; and Akagiri, Kenzo, to Sony Corporation. Digital signal transmission device. 4,797,902, 1-10-89, Cl. 375-27.000.
- Nishiguchi, Masayuki, to Sony Corporation. Apparatus for decoding a digital signal. 4,829,522, 5-9-89, Cl. 371-31.000.
- Nishiguchi, Masayuki: *See—*
  - Yagi, Toru; Takahashi, Tsuneo; and Nishiguchi, Masayuki, 4,817,444, Cl. 73-862.360.
- Nishiguchi, Narachiyo, to Nishiki Sangyo Kabushiki Kaisha; and Tokuji Koshiba. Warp stop motion mechanism for looms. 4,848,411, 7-18-89, Cl. 139-358.000.

- Nishiguchi, Nobuyuki: *See—*
  - Toshikuni, Nobuyuki; Takagi, Masao; and Nishiguchi, Nobuyuki, 4,804,056, Cl. 180-70.100.
- Nishiguchi, Toshihiko: *See—*
  - Uryu, Toshiyuki; and Nishiguchi, Toshihiko, 4,885,369, Cl. 548-183.000.
- Nishiguchi, Yasuo: *See—*
  - Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.
  - Tajiri, Hiromitsu; Nishiguchi, Yasuo; and Matsuyama, Chiaki, 4,797,561, Cl. 250-578.000.
- Nishiguchi, Youichi; and Sasaki, Kazuo. Paper container for liquid sealed with gas in head space, method of filling gas and apparatus for filling gas. 4,805,768, 2-21-89, Cl. 206-213.100.
- Nishiguchi, Youichi; and Sasaki, Kazuo, to Jujo Paper Co., Ltd. Method of filling gas and apparatus for filling gas. 4,869,047, 9-26-89, Cl. 53-432.000.
- Nishiguchi, Yukihiro: *See—*
  - Itoku, Osamu; Maehashi, Yukio; and Nishiguchi, Yukihiro, 4,807,117, Cl. 364-200.000.
  - Kimoto, Manabu; and Nishiguchi, Yukihiro, 4,870,562, Cl. 364-200.000.
- Nishihara, Eiichiro: *See—*
  - Okano, Takeshi; Fujita, Hisanori; and Nishihara, Eiichiro, 4,865,682, Cl. 156-624.000.
- Nishihara, Eitaro, to Kabushiki Kaisha Toshiba. Picture archiving and communication system in which image data produced at various locations is stored in data bases at various locations in accordance with lists of image ID data in the data bases. 4,847,694, 7-11-89, Cl. 358-434.000.
- Nishihara, Eitaro: *See—*
  - Komatsu, Kenichi; Tawara, Kiyoshi; Nishihara, Eitaro; and Fujimoto, Seiji, 4,817,050, Cl. 364-900.000
- Nishihara Engineering Company, Ltd.: *See—*
  - Watanabe, Takashi, 4,839,927, Cl. 4-211.000.
- Nishihara Environmental Sanitation Research Corp. Ltd.: *See—*
  - Hamamoto, Youichi, 4,818,408, Cl. 210-614.000.
- Nishihara, Hiroshi: *See—*
  - Kimura, Okitoshi; Ohsawa, Toshiyuki; Kabata, Toshiyuki; Nishihara, Hiroshi; and Aramaki, Kunitsugu, 4,837,096, Cl. 429-213.000.
  - Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, Cl. 350-320.000.
  - Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,833,561, Cl. 360-114.000.
  - Sunagawa, Hiroshi; Suhara, Toshiaki; and Nishihara, Hiroshi, 4,868,803, Cl. 369-44.000.
  - Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,885,732, Cl. 369-44.000.
- Nishihara, Kunio: *See—*
  - Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, 4,839,232, Cl. 428-473.500.
- Nishihara, Minoru: *See—*
  - Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Minoru; Arai, Tetsuzo; and Fukui, Kunihiro, 4,871,194, Cl. 285-55.000.
  - Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
- Nishihara, Motohisa: *See—*
  - Masuda, Ikuro; Iwamura, Masahiro; and Nishihara, Motohisa, 4,808,850, Cl. 307-446.000.
- Nishihara Om-Tech Co., Ltd.: *See—*
  - Hamamoto, Youichi, 4,818,408, Cl. 210-614.000.
- Nishihara, Susumu; and Yoda, Kiyoshi, to Mitsubishi Denki Kabushiki Kaisha. Radio frequency coil for nuclear magnetic resonance imaging. 4,837,515, 6-6-89, Cl. 324-318.000.
- Nishihara, Takashi: *See—*
  - Shiraishi, Shuji; Sakaguchi, Masakazu; and Nishihara, Takashi, 4,860,847, Cl. 180-197.000.
  - Shiraishi, Shuji; and Nishihara, Takashi, 4,873,638, Cl. 364-426.010.
- Nishihara, Toshikazu: *See—*
  - Abe, Toshiro; and Nishihara, Toshikazu, 4,808,489, Cl. 428-336.000.
- Nishihara, Tsukasa: *See—*
  - Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,359, Cl. 530-396.000.
- Nishihara, Yasuhiro: *See—*
  - Goko, Nobuaki; Uehara, Yumito; and Nishihara, Yasuhiro, 4,808,667, Cl. 525-247.000.
- Nishihara, Yoshio; Isobe, Noriyuki; and Kotera, Satoshi, to UBE Industries, Ltd. Adhesive composition comprising organometallic polymer. 4,808,659, 2-28-89, Cl. 524-701.000.
- Nishihara, Yoshio: *See—*
  - Ito, Hisao; Nobue, Mamoru; Nishihara, Yoshio; and Suzuki, Teiichi, 4,819,082, Cl. 358-294.000.
  - Nobue, Mamoru; Ozawa, Takashi; Ito, Hisao; and Nishihara, Yoshio, 4,802,012, Cl. 358-213.180.
- Nishihata, Ken: *See—*
  - Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
  - Machinami, Tomoya; Nakamura, Takeshi; Nishihata, Ken; Kondo, Shinichi; and Takeuchi, Tomio, 4,889,926, Cl. 536-6.400.
  - Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.
- Nishihiro, Akinori; Hanaka, Ikutaro; and Kajita, Takeyoshi, to Mitsubishi Denki Kabushiki Kaisha. Direct current magnetic polarization component compensation circuit for constant voltage/frequency power supply apparatus. 4,816,981, 3-28-89, Cl. 363-37.000.
- Nishii, Hayato: *See—*
  - Arai, Mikiro; Funayama, Osamu; Nishii, Hayato; and Isoda, Takeshi, 4,818,611, Cl. 428-364.000.
  - Funayama, Osamu; Arai, Mikiro; Nishii, Hayato; and Isoda, Takeshi, 4,869,858, Cl. 264-65.000.
- Nishii, Hiroshi, to Nippon Air Brake Co., Ltd. Straight air brake control system. 4,865,394, 9-12-89, Cl. 303-20.000.
- Nishii, Hiroshi: *See—*
  - Iwaizako, Akihiro; Nishii, Hiroshi; and Maruta, Seiki, 4,799,740, Cl. 303-15.000.
- Nishii, Hiroyuki: *See—*
  - Inaba, Hiroshi; Nakase, Kiyoshi; Yanagida, Yukitoshi; and Nishii, Hiroyuki, 4,850,684, Cl. 350-357.000.
- Nishii, Junji; and Yamagishi, Takashi, to Nippon Sheet Glass Co., Ltd. Method for purifying starting materials for fabricating chalcogenide glass. 4,801,442, 1-31-89, Cl. 423-510.000.
- Nishii, Kota: *See—*
  - Fukuyama, Shun-ichi; Yoneda, Yasuhiro; Miyagawa, Masashi; and Nishii, Kota, 4,863,833, Cl. 430-286.000.
- Nishii, Masahiro: *See—*
  - Takematsu, Tetsuo; Nishii, Masahiro; and Kobayashi, Izumi, 4,844,731, Cl. 71-93.000.
- Nishii, Michiharu; and Sugiura, Yuzuru, to Aisin Seiki Kabushiki Kaisha. Fluid pressure servomotor. 4,794,850, 1-3-89, Cl. 92-168.000.
- Nishii, Michiharu, to Aisin Seiki Kabushiki Kaisha. Vacuum type brake booster. 4,800,799, 1-31-89, Cl. 91-369.200.
- Nishii, Michiharu, to Aisin Seiki Kabushiki Kaisha. Brake booster with sleeve and detent retained pressure plate. 4,803,912, 2-14-89, Cl. 91-369.200.
- Nishii, Michiharu, to Aisin Seiki Kabushiki Kaisha. Hydraulic braking system for an automotive vehicle. 4,859,004, 8-22-89, Cl. 303-119.000.
- Nishii, Michiharu, to Aisin Seiki Kabushiki Kaisha. Hydraulic braking system for a vehicle. 4,869,560, 9-26-89, Cl. 303-114.000.
- Nishii, Michiharu; Ando, Masamoto; and Tada, Yoshihiko, to Aisin Seiki Kabushiki Kaisha. Hydraulic braking system for an automotive vehicle. 4,874,207, 10-17-89, Cl. 303-52.000.
- Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, to Aisin Seiki Kabushiki Kaisha. Hydraulic braking system. 4,887,869, 12-19-89, Cl. 303-114.000.
- Nishii, Michiharu: *See—*
  - Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.
- Nishijima, Hideo: *See—*
  - Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okamoto, Kaneyuki, 4,855,812, Cl. 358-22.000.
- Nishijima, Hiroaki: *See—*
  - Suzuki, Isao; Hirabayashi, Kazuo; Kondoh, Tadami; and Nishijima, Hiroaki, 4,861,934, Cl. 585-415.000.
- Nishijima, Kanji: *See—*
  - Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, 4,869,995, Cl. 430-270.000.
- Nishijima, Kazuo; Miyazaki, Terunobu; and Sakou, Eisaburo, to Hitachi, Ltd. Remote monitor control system. 4,806,929, 2-21-89, Cl. 340-825.060.
- Nishijima, Masaru; Yamagishi, Toshio; and Deguchi, Masanobu, to Sharp Kabushiki Kaisha. Image forming device with separable units. 4,814,817, 3-21-89, Cl. 355-3.00R.
- Nishijima, Masaru; and Soga, Akihiro, to Sharp Kabushiki Kaisha. Copier with variable magnification ratio. 4,881,102, 11-14-89, Cl. 355-243.000.
- Nishijima, Nobuyuki; Kominato, Kazunori; and Matsuda, Hiroaki, to Sharp Kabushiki Kaisha. Printer-equipped electronic device. 4,808,800, 2-28-89, Cl. 235-58.0CF.
- Nishijima, Tamotsu; and Fujino, Toshihiro, to Yazaki Corporation. Apparatus for producing stranded cable. 4,870,851, 10-3-89, Cl. 72-261.000.
- Nishijima, Toshihisa: *See—*
  - Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,300, Cl. 341-94.000.
- Nishijima, Toyoki, to Konica Corporation. Silver halide photographic light-sensitive material. 4,868,100, 9-19-89, Cl. 430-550.000.
- Nishijima, Toyoki: *See—*
  - Kaneko, Yutaka; Kadokura, Kenzi; Nishijima, Toyoki; and Onodera, Kaoru, 4,863,842, Cl. 430-551.000.
  - Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.
- Nishijima, Yasunori, to Fuji Photo Film Co. Ltd. Apparatus for positioning a magnetic disc pack within a recording/reproducing device. 4,805,052, 2-14-89, Cl. 360-97.010.
- Nishikama, Mitsuru, to Sumitomo Electric Industries, Ltd. Optical code reading device whose laser reading light is transmitted by only one single mode optical fiber. 4,847,490, 7-11-89, Cl. 250-227.000.

- Nishikata, Yutaka, to Sony Corp. Editing apparatus for separately recording a plurality of information signals along with respective time code signals in slant tracks on a magnetic tape. 4,805,042, 2-14-89, Cl. 360-14.300.
- Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, to Hitachi, Ltd. Method for restarting execution interrupted due to page fault in a data processing system. 4,841,439, 6-20-89, Cl. 364-200.000.
- Nishikawa, Hideichi, to MCC Corporation. Oscillating drive apparatus for working tool and working apparatus using the same. 4,885,963, 12-12-89, Cl. 81-57.320.
- Nishikawa, Hideya: *See—*
  - Yamane, Yuji; and Nishikawa, Hideya, 4,878,869, Cl. 446-130.000.
- Nishikawa, Hideyo: *See—*
  - Tanaka, Shingo; Nishikawa, Hideyo; and Kawabe, Kuniyasu, 4,804,622, Cl. 430-109.000.
  - Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.
- Nishikawa, Hiroaki: *See—*
  - Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
  - Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884.192, Cl. 364-200.000.
- Nishikawa, Hiromitsu: *See—*
  - Yamagishi, Jun; Nishikawa, Hiromitsu; and Yokoo, Toshio, 4,848,031, Cl. 49-280.000.
- Nishikawa, Hiroshi; Matsuda, Koichi; and Nakashima, Masami, to Denki Kagaku Kogyo Kabushiki Kaisha. Electrically conductive ceramic product and process for its production. 4,795,723, 1-3-89, Cl. 501-98.000.
- Nishikawa, Hiroshi, to Canon Kabushiki Kaisha. Recording apparatus having a print permission circuit for protecting plural recording heads driven in accordance with selectively applied print signals from overload. 4,876,559, 10-24-89, Cl. 346-140.00R
- Nishikawa, Hiroshi: *See—*
  - Fujita, Shigeyoshi; Sasaki, Tomoyuki; Fukuhara, Kazuyoshi; and Nishikawa, Hiroshi, 4,823,704, Cl. 104-247.000.
  - Yashiro, Hirokatsu; Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.
- Nishikawa, Hirotsugu: *See—*
  - Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, 4,882,253, Cl. 430-59.000.
- Nishikawa, Hisashi; Endo, Mitsuharu; and Shimosato, Masashi, to Tokyo Electric Co., Ltd. Improved ink dot printer electrode structure. 4,801,952, 1-31-89, Cl. 346-140.00R.
- Nishikawa, Hisashi; and Endo, Mitsuharu, to Tokyo Electric Co., Ltd. Recording electrode for ink dot printer. 4,806,956, 2-21-89, Cl. 346-140.00R.
- Nishikawa, Hisashi; Endo, Mitsuharu; Shimosato, Masashi; and Terao, Yasunobu, to Tokyo Electric Co., Ltd. Ink dot printer. 4,868,585, 9-19-89, Cl. 346-140.00R.
- Nishikawa, Hitoshi: *See—*
  - Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
- Nishikawa, Katsuhiko: *See—*
  - Naoi, Satoshi; Inoue, Akira; Nishikawa, Katsuhiko; and Nagata, Shigemi, 4,853,885, Cl. 364-718.000.
- Nishikawa, Kazuhiro; Kikuchi, Masakatsu; and Shimomura, Masuo, to Aisin Seiki Kabushiki Kaisha. T-bar roof. 4,826,239, 5-2-89, Cl. 296-218.000.
- Nishikawa, Kazuhiro: *See—*
  - Masuda, Mitsuyoshi; Fukura, Kenichi; Kadoike, Katsuaki; and Nishikawa, Kazuhiro, 4,830,428, Cl. 296-219.000.
- Nishikawa, Kazunori: *See—*
  - Haruna, Tohru; Nishikawa, Kazunori; and Hamajima, Mitsuhiro, 4,885,326, Cl. 524-291.000.
  - Tajima, Kenji; Nishina, Takao; and Nishikawa, Kazunori, 4,822,522, Cl. 252-400.240.
  - Tanaka, Koji; Nishikawa, Kazunori; and Yamada, Kazuya, 4,885,750, Cl. 371-37.400.
  - Yamada, Kazuya; Nishikawa, Kazunori; and Tanaka, Koji, 4,811,370, Cl. 377-54.000.
  - Yamada, Kazuya; Nishikawa, Kazunori; Tanaka, Koji; and Yamada, Yasuhiro, 4,868,827, Cl. 371-37.500.
- Nishikawa, Kazuya: *See—*
  - Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,803,492, Cl. 343-713.000.
  - Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,849,766, Cl. 343-713.000.
- Nishikawa, Kohei: *See—*
  - Oka, Yoshikazu; Nishikawa, Kohei; and Miyake, Akio, 4,822,818, Cl. 514-529.000.
  - Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,816,466, Cl. 314-319.000.
  - Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,871,842, Cl. 540-523.000.
  - Sugihara, Hirosada; Itoh, Katsumi; and Nishikawa, Kohei, 4,880,809, Cl. 514-255.000.
  - Terao, Shinji; and Nishikawa, Kohei. 4,851,413, Cl. 514-277.000.
- Nishikawa, Kohichi: *See—*
  - Masuda, Takahiko, 4,858,434, Cl. 60-398.000.
- Nishikawa, Koichiro, to Asahi Optical Co., Ltd. Optical pickup for reading optical disk information provided with error detecting means by knife edge test. 4,868,377, 9-19-89, Cl. 250-201.000.
- Nishikawa, Masaaki; and Shimizu, Satoshi, to Cannon Kabushiki Kaisha. Image reading apparatus for removing disturbances in output images. 4,843,480, 6-27-89, Cl. 358-293.000.
- Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, to Matsushita Electric Industrial Co., Ltd. Thin film electroluminescence display device. 4,869,973, 9-26-89, Cl. 428-690.000.
- Nishikawa, Masahiro: *See—*
  - Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.
- Nishikawa, Masaji, to Olympus Optical Co., Ltd. Ion flow electrostatic recording process and apparatus. 4,799,070, 1-17-89, Cl. 346-159.000.
- Nishikawa, Masaji, to Olympus Optical Co., Ltd. Method of forming oblique dot pattern. 4,805,033, 2-14-89, Cl. 358-298.000.
- Nishikawa, Masami, to Ricoh Company, Ltd. Method of making an ion-implanted bonding connection of a semiconductor integrated circuit device. 4,857,484, 8-15-89, Cl. 437-209.000.
- Nishikawa, Masao; Aoki, Takashi; Sato, Yoichi; and Fukuda, Yukihiro, to Honda Giken Kogyo Kabushiki Kaisha. Automatic shift transmission for vehicles. 4,856,382, 8-15-89, Cl. 74-867.000.
- Nishikawa, Masaru: *See—*
  - Kamei, Masaharu; Negishi, Tsutomu; Nishikawa, Masaru; and Kishino, Kimishiro, 4,855,133, Cl. 424-84.000.
- Nishikawa, Masayoshi: *See—*
  - Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki. 4,830,101, Cl. 165-133.000.
- Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, to Toyoda Gosei Co., Ltd. Process of manufacturing a hose fitting. 4,854,030, 8-8-89, Cl. 29-510.000.
- Nishikawa, Masumi; Ishikawa, Masanobu; and Watanabe, Hiroshi, to Aisin Seiki Kabushiki Kaisha. Tilt steering apparatus for vehicles. 4,819,498, 4-11-89, Cl. 74-493.000.
- Nishikawa, Masumi; and Ishikawa, Masanobu, to Aisin Seiki Kabushiki Kaisha. Tilting steering apparatus. 4,876,910, 10-31-89, Cl. 74-493.000.
- Nishikawa, Meisei; Inagawa, Jun; Inagaki, Takeshi; Kaneshige, Toshihiko; Hayashi, Yasuhiro; and Kojima, Tadashi, to Kabushiki Kaisha Toshiba. Erroneous track jump restoration apparatus for optical record disc player. 4,860,272, 8-22-89, Cl. 369-48.000.
- Nishikawa, Mitsuo: *See—*
  - Saotome, Toshio; Noguchi, Yoshiyuki; Nishikawa, Mitsuo; and Yamazaki, Shigeki, 4,851,731, Cl. 310-258.000.
- Nishikawa, Mitsuru: *See—*
  - Tsuno, Koichi; Nishikawa, Mitsuru; and Awazu, Kunio, 4,807,597, Cl. 128-6.000.
- Nishikawa, Reiji: *See—*
  - Sagoi, Masayuki; and Nishikawa, Reiji, 4,801,481, Cl. 428-64.000.
- Nishikawa Rubber Co., Ltd.: *See—*
  - Marume, Yoshihiro; and Iwamoto, Tadao, 4,857,248, Cl. 264-46.400.
  - Marume, Yoshihiro; and Iwamoto, Tadao, 4,877,215, Cl. 249-109.000.
  - Tanatani, Akira; Abiru, Yasumasa; Sato, Nobumasa; and Kobayashi, Kaoru, 4,845,141, Cl. 524-261.000.
- Nishikawa, Seiichi; and Saitou, Tadashi, to Toyota Jidosha Kabushiki Kaisha. Device for controlling vehicle four wheel drive front/rear coupling device according to rotational speeds of front and rear vehicle wheels and method of operation thereof. 4,866,624, 9-12-89, Cl. 364-426.030.
- Nishikawa, Shigeru: *See—*
  - Ohtsuka, Kuniaki; and Nishikawa, Shigeru, 4,870,680, Cl. 379-163.000.
- Nishikawa, Sinji: *See—*
  - Fujiyama, Hiroyuki; and Nishikawa, Sinji, 4,866,742, Cl. 377-70.000.
- Nishikawa, Souji: *See—*
  - Tsuji, Yoshiomi; Maruyama, Ichiro; Mori, Kenji; and Nishikawa Souji, 4,846,603, Cl. 405-115.000.
- Nishikawa, Tadaichi: *See—*
  - Ueyama, Shinichiro; Furukawa, Masayuki; and Nishikawa, Tadaichi, 4,855,389, Cl. 528-168.000.
- Nishikawa, Tadashi: *See—*
  - Hirata, Terutaka; Odohira, Tetsu; and Nishikawa, Tadashi. 4,800,759, Cl. 73-708.000.
- Nishikawa, Takao: *See—*
  - Wakabayashi, Minoru; Murata, Hiroyuki; Sugino, Yasuo; Yamao, Masanobu; and Nishikawa, Takao, 4,872,972, Cl. 209-143.000.
- Nishikawa, Tetsuo, to Fuji Photo Film Co., Ltd. Web butt splicing device. 4,878,986, 11-7-89, Cl. 156-504.000.
- Nishikawa, Tetsuo: *See—*
  - Kambara, Hideki; and Nishikawa, Tetsuo, 4,879,012, Cl. 204-157.150.
  - Takei, Akira; Nabeta, Teruyuki; Nishikawa, Tetsuo; and Nagai, Eiichi, 4,890,164, Cl. 358-213.190.
- Nishikawa, Tomio: *See—*
  - Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.
  - Shida, Yoshiaki; Kitayama, Shiro; and Nishikawa, Tomio, 4,859,415, Cl. 420-417.000.
- Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, to Mazda Motor Corporation; and Mitsubishi Denki Kabushiki Kaisha. System for controlling the operation of an internal combustion engine. 4,807,581, 2-28-89, Cl. 123-488.000.
- Nishikawa, Toshihide; and Inoue, Takashi, to Mazda Motor Corporation. Engine idling speed control system. 4,827,885, 5-9-89, Cl. 123-339.000.
- Nishikawa, Toshihiro; and Abe, Akira, to Fuji Photo Film Co., Ltd. Processing method for silver halide color photosensitive materials with a desilverization step including both a bleaching bath and a bleach fixing bath. 4,804,617, 2-14-89, Cl. 430-393.000.
- Nishikawa, Toshihiro: *See—*
  - Fujita, Yoshihiro; and Nishikawa, Toshihiro, 4,857,442, Cl. 430-393.000.
  - Hasebe, Kazunori; Asami, Masahiro; Onshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, 4,820,624, Cl. 430-567.000.
  - Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.
  - Kishimoto, Shinzo; Nishikawa, Toshihiro; Abe, Akira; and Nakajima, Junya, 4,798,784, Cl. 430-382.000.
  - Okamura, Hisashi; Kobayashi, Hidetoshi; Nishikawa, Toshihiro; and Tamoto, Koji, 4,863,841, Cl. 430-555.000.
- Nishikawa, Yasunori: *See—*
  - Inaba, Hirobumi; and Nishikawa, Yasunori, 4,822,301, Cl. 439-436.000.
- Nishikawa, Yasuo; and Nakazima, Yasumasa, to Unitika, Ltd. Adsorptive fiber sheet. 4,808,202, 2-28-89, Cl. 55-390.000.
- Nishikawa, Yasuo; and Yoneyama, Masakazu, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,830,906, 5-16-89, Cl. 428-335.000.
- Nishikawa, Yasuo; Matsufuji, Akihiro; Masuyama, Kenichi; and Kakuishi, Yutaka, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,847,156, 7-11-89, Cl. 428-425.900.
- Nishikawa, Yasuo; Miyazuka, Hajime; and Tsuji, Nobuo, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,857,402, 8-15-89, Cl. 428-336.000.
- Nishikawa, Yasuo: *See—*
  - Sano, Kunihiko; Nagao, Makoto; Nahara, Akira; Nishikawa, Yasuo; and Iwasaki, Hiroyuki, 4,840,843, Cl. 428-336.000.
- Nishikawa, Yasushi: *See—*
  - Watanabe, Hiroshi; Asano, Takashi; Ikeda, Hiroaki; Imazeki, Shuichi; Shiiya, Yoshitaka; and Nishikawa, Yasushi, 4,811,305, Cl. 365-239.000.
- Nishikawa, Yoshikazu: *See—*
  - Okamoto, Tatsuo; Kotani, Hideo; Oono, Takio; Watabe, Kiyoto; Kinoshita, Yasushi; and Nishikawa, Yoshikazu, 4,872,050, Cl. 357-71.000.
- Nishikawa, Yukinobu: *See—*
  - Kasper, Gerhard; Wen, Horng-Yuan; and Nishikawa, Yukinobu, 4,878,510, Cl. 137-1.000.
- Nishikawa, Yutaka, to Akebono Brake Industry Co., Ltd. Automatic gap adjustment device for disc brake. 4,846,314, 7-11-89, Cl. 188-196.00D.
- Nishiki, Hiroyuki; and Kokuryu, Yuji, to Toyoda Gosei Co., Ltd. Hose intermediate retainer. 4,840,408, 6-20-89, Cl. 285-62.000.
- Nishiki Sangyo Kabushiki Kaisha: *See—*
  - Nishiguchi, Narachiyo, 4,848,411, Cl. 139-358.000.
- Nishikimoto, Taro: *See—*
  - Kumata, Katsuhiko, Endo, Isao; and Nishikimoto, Taro, 4,821,746, Cl. 131-282.000.
- Nishikiori, Masanori: *See—*
  - Takeuchi, Hirosato; Takanaka, Akira; Nishikiori, Masanori; Nozawa, Nobuyuki; and Sato, Toshio, 4,829,889, Cl. 99-289.00P.
- Nishikori, Toshiaki: *See—*
  - Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun, Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.
  - Hibino, Hiroki; Nishikori, Toshiaki; and Kumura, Kenji, 4,860,094, Cl. 358-98.000.
  - Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.
- Nishikuri, Masao; Hashimoto, Kiyoyasu; and Hattori, Hideo, to Sumitomo Chemical Company, Limited. Monoazo pyridone compounds and application thereof for dyeing of hydrophobic fiber materials. 4,826,505, 5-2-89, Cl. 8-688.000.
- Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Plasma apparatus. 4,890,294, 12-26-89, Cl. 372-57.000.
- Nishimaki, Hideo: *See—*
  - Kameyama, Syojyu; Nishimaki, Hideo; Iga, Yoshiro; and Suyama, Tadakazu, 4,822,872, Cl. 530-383.000.
- Nishimata, Mana: *See—*
  - Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, 4,861,777, Cl. 514-234.500.
- Nishimatsu, Masaharu: *See—*
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,828,899, Cl. 428-143.000.
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,835,032, Cl. 428-143.000.
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,837,116, Cl. 428-141.000.
  - Shimozawa, Toru; Miyamori, Shigeyo; and Nishimatsu, Masaharu, 4,810,555, Cl. 428-141.000.
- Nishimatsu, Shigeru: *See—*
  - Hiraoka, Susumu; Suzuki, Keizo; and Nishimatsu, Shigeru, 4,828,874, Cl. 427-53.100.
  - Okudaira, Sadayuki; Nishimatsu, Shigeru; Suzuki, Keizo; and Ninomiya, Ken, 4,844,767, Cl. 156-345.000.
  - Suzuki, Keizo; Hiraoka, Susumu; and Nishimatsu, Shigeru, 4,886,571, Cl. 156-646.000.
- Nishimiya, Masanobu, to Ricoh Company, Ltd. Information recording and/or reproducing apparatus. 4,821,252, 4-11-89, Cl. 369-48.000.
- Nishimiya, Torazo: *See—*
  - Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.
- Nishimiya, Yozo: *See—*
  - Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
- Nishimori, Kadotaro; Ito, Masazumi; and Oyabu, Masaaki, to Minolta Camera Kabushiki Kaisha. Copying apparatus with multiple copy modes. 4,812,877, 3-14-89, Cl. 355-14.00R.
- Nishimori, Kadotaro; and Ito, Masazumi, to Minolta Camera Kabushiki Kaisha. Display unit. 4,856,877, 8-15-89, Cl. 350-356.000.
- Nishimori, Kadotaro: *See—*
  - Higashio, Kimihiko; and Nishimori, Kadotaro, 4,885,611, Cl. 355-245.000.
  - Ito, Masazumi; Nishimori, Kadotaro; and Higashio, Kimihiko, 4,814,824, Cl. 355-14.00R.
  - Ito, Masazumi; Nishimori, Kadotaro; and Oyabu, Masaaki, 4,860,052, Cl. 355-209.000.
  - Kato, Akio; Nakatani, Keiji; Wada, Kanji; Hashimoto, Kaoru; Nishimori, Kadotaro; and Higaki, Masahiro, 4,806,976, Cl. 355-7.000.
- Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, to Fujitsu Limited. Semiconductor laser modulation control system. 4,884,278, 11-28-89, Cl. 372-26.000.
- Nishimoto, Hiroshi: *See—*
  - Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
  - Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.
- Nishimoto, Masushi: *See—*
  - Koga, Hitoshi; Iwata, Kazuo; Nishimoto, Masushi; and Hashimoto, Mikio, 4,849,293, Cl. 428-447.000.
- Nishimoto, Naomichi; Okauchi, Takeshi; and Kido, Koichi, to Victor Company of Japan, Ltd. Control pulse recording circuit for magnetic recording and reproducing apparatus. 4,841,383, 6-20-89, Cl. 360-33.100.
- Nishimoto, Shigeto; Fujimoto, Yoshiki; Inoue, Noriaki; and Harada, Shunji, to Koyo Seiko Co., Ltd.; and Kawasaki Steel Corporation. Apparatus for detecting a failure in bearings. 4,884,449, 12-5-89, Cl. 73-660.000.
- Nishimoto, Tadashi: *See—*
  - Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.
- Nishimoto, Takashi: *See—*
  - Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.
  - Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.
- Nishimoto, Toshihiko: *See—*
  - Fujio, Yoshiharu; Matsukuma, Kanemasa; and Nishimoto, Toshihiko, 4,879,363, Cl. 526-314.000.
- Nishimoto, Toshio; Kawai, Hideki; Fujii, Masaru; and Ohta, Kiyoto, to Matsushita Electronics Corporation. Memory device using shift-register. 4,845,670, 7-4-89, Cl. 365-78.000.
- Nishimoto, Yasuyuki: *See—*
  - Tanioka, Satoshi; Nishimoto, Yasuyuki; and Adachi, Yasuto, 4,804,561, Cl. 427-130.000.
- Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; Kawai, Yasuo; and Atsuta, Akio, to Canon Kabushiki Kaisha. Position detecting device. 4,830,498, 5-16-89, Cl. 356-400.000.
- Nishimoto, Yoshiharu: *See—*
  - Ohya, Masaki; and Nishimoto, Yoshiharu, 4,883,693, Cl. 428-34.900.
- Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, to Kabushiki Kaisha Kobe Seiko Sho. Method and apparatus for detecting position/variance of input light using linear and quadratic outputs. 4,874,939, 10-17-89, Cl. 250-211.00J.
- Nishimoto, Yoshiro: *See—*
  - Nasu, Shoji; Nishimoto, Yoshiro; Yasukuni, Hiroaki; and Iwasaki, Masayoshi, 4,823,082, Cl. 324-232.000.

Nishimoto, Yukio, to Kayaba Kogyo Kabushiki Kaisha. Shock absorber. 4,852,703, 8-1-89, Cl. 188-284.000.
Nishimu Electronics Industries Co., Inc.: *See—*
Harada, Koosuke; and Sakamoto, Hiroshi, 4,800,476, Cl. 363-16.000.
Nishimu Electronics Industries Co., Ltd.: *See—*
Tominaga, Fukutoshi; Iwanaga, Mitsuo; and Yokomizo, Hiromichi, 4,862,059, Cl. 323-307.000.
Nishimukai, Tadahiko: *See—*
Hanawa, Makoto; Kawasaki, Ikuya; and Nishimukai, Tadahiko, 4,845,614, Cl. 364-200.000.
Uchiyama, Kunio; and Nishimukai, Tadahiko, 4,797,816, Cl. 364-200.000.
Uchiyama, Kunio; Nishimukai, Tadahiko; and Hasegawa, Atsushi, 4,803,616, Cl. 364-200.000.
Nishimura, Aki: *See—*
Mahant-Shetti, Shivaling S.; and Nishimura, Aki, 4,795,964, Cl. 324-60.00C.
Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, to Matsushita Electric Industrial Co., Ltd. Tape cassettes having bottom grooves for use in tape recorder having bottom projection in cassette holder. 4,803,575, 2-7-89, Cl. 360-94.000.
Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, to Matsushita Electric Industrial Co., Ltd. Tape cassette with improved cover structure. 4,809,113, 2-28-89, Cl. 360-132.000.
Nishimura, Akihiro: *See—*
Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, 4,844,377, Cl. 242-198.000.
Suzuki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, 4,887,758, Cl. 228-5.100.
Nishimura, Akimasa: *See—*
Uehara, Tsukasa; Maeda, Masaya; and Nishimura, Akimasa, 4,872,076, Cl. 360-99.070.
Nishimura, Akira; and Suzuki, Shuzo, to Sumitomo Electric Industries, Ltd. Optical cable. 4,820,014, 4-11-89, Cl. 350-96.230.
Nishimura, Akira; and Ogasawara, Ichiro, to Sumitomo Electric Industries, Ltd. Optical fiber unit. 4,826,279, 5-2-89, Cl. 350-96.230.
Nishimura, Akira: *See—*
Fukura, Kenichi; Hiramatsu, Eiji; and Nishimura, Akira, 4,796,164, Cl. 362-66.000.
Hiramatsu, Tohru; Higuchi, Tomitake; and Nishimura, Akira, 4,850,186, Cl. 57-236.000.
Nomura, Yoshiharu; Aoki, Shigemasa; and Nishimura, Akira, 4,800,196, Cl. 514-159.000.
Suzuki, Toshiaki; and Nishimura, Akira, 4,870,658, Cl. 375-12.000.
Nishimura, Atsushi: *See—*
Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio, 4,812,498, Cl. 524-91.000.
Nakahara, Yutaka; Nishimura, Atsushi; and Nakajima, Toshio, 4,871,793, Cl. 524-91.000.
Nishimura, Dwight G., to Stanford University. NMR imaging of moving material using variable spatially selected excitation. 4,836,209, 6-6-89, Cl. 128-653.000.
Nishimura, Eiichi: *See—*
Kumahora, Hiroki; Hashimoto, Tsuneyuki; and Nishimura, Eiichi, 4,803,356, Cl. 250-306.000.
Nishimura, Eiji: *See—*
Yamamoto, Yasunori; and Nishimura, Eiji, 4,863,686, Cl. 420-516.000.
Nishimura, Eizi: *See—*
Harada, Yasuhiro; Nobumoto, Kazutoshi; Nishimura, Eizi; and Onaka, Toru, 4,884,651, Cl. 180-197.000.
Nishimura, Gen: *See—*
Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.
Nishimura, Haruo: *See—*
Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki: Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.
Nishimura, Hiroaki; *See—*
Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.
Nishimura, Hirofumi; and Kageyama, Akira, to Mazda Motor Corporation. Block construction of engine. 4,805,563, 2-21-89, Cl. 123-41.82A.
Nishimura, Hiroshi; and Hirayama, Yasutaka, to Matsushita Electric Industrial Co., Ltd. Floor nozzle for vacuum cleaner. 4,854,006, 8-8-89, Cl. 15-375.000.
Nishimura, Hiroshi; and Tanaka, Satoshi, to Kabushiki Kaisha Toshiba. Circular tube shaping apparatus. 4,883,529, 11-28-89, Cl. 65-281.000.
Nishimura, Hisao: *See—*
Sasakawa, Kazumasa; Nishimura, Hisao; and Fujiwaka, Kensuke, 4,838,544, Cl. 272-73.000.
Nishimura, Hisayuki; and Shibata, Tomochika, to Fujitsu Limited. Address extension system. 4,796,177, 1-3-89, Cl. 364-200.000.
Nishimura, Iwao: *See—*
Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.
Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.
Nishimura, Katsuhiko: *See—*
Shimbo, Kazuyuki; and Nishimura, Katsuhiko, 4,857,959, Cl. 355-276.000.
Nishimura, Kazuhiko: *See—*
Igarashi, Ichiro; Ito, Hiroaki; and Nishimura, Kazuhiko, 4,887,647, Cl. 138-126.000.
Nishimura, Kazuo, to Sanden Corporation. Method of making a clutch rotor for an electromagnetic clutch. 4,843,694, 7-4-89, Cl. 29-159.00R.
Nishimura, Kazuo, to Sanden Corporation. Electromagnetic clutch. 4,860,867, 8-29-89, Cl. 192-84.00C.
Nishimura, Kazuo: *See—*
Tanaka, Hideho; Fujii, Kazuyoshi; and Nishimura, Kazuo, 4,868,050, Cl. 428-335.000.
Nishimura, Kazuya: *See—*
Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.
Nishimura, Kenji: *See—*
Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
Nishimura, Koichi: *See—*
Aonuma, Mitsuyoshi; and Nishimura, Koichi, 4,816,519, Cl. 525-216.000.
Masuzawa, Isao; Miyayama, Toshio; Nakayama, Mitsuo; and Nishimura, Koichi, 4,811,679, Cl. 114-144.0RE.
Nishimura, Koichiro: *See—*
Shinbo, Toshio; Nishimura, Koichiro; Yamaguchi, Tomohiko; and Sugiura, Masaaki, 4,842,935, Cl. 428-404.000.
Nishimura, Kosuke: *See—*
Washizuka, Isamu; Nishimura, Kosuke; and Saiji, Mitsuhiro, 4,809,192, Cl. 364-513.500.
Nishimura, Kotaro: *See—*
Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, 4,841,481, Cl. 365-154.000.
Nishimura, Koyu: *See—*
Ikeda, Hiroyuki; Matsumoto, Yukihiro; and Nishimura, Koyu, 4,803,026, Cl. 264-216.000.
Nishimura, Kozo, to Mita Industrial Co., Ltd. Electromagnetically controlled spring clutch mechanism. 4,825,988, 5-2-89, Cl. 192-12.0BA.
Nishimura, Kozo, to Mita Industrial Co., Ltd. Electromagnetically controlled spring clutch mechanism. 4,848,545, 7-18-89, Cl. 192-26.000.
Nishimura, Kozo: *See—*
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.
Nishimura, Kunio; and Iijima, Hitoshi, to Showa Denko Kabushiki Kaisha. Granular agent for ruminant and production method thereof. 4,842,863, 6-27-89, Cl. 424-438.000.
Nishimura, Makoto: *See—*
Kobayashi, Mamoru; and Nishimura, Makoto, 4,833,372, Cl. 318-696.000.
Yasuhara, Takeshi; and Nishimura, Makoto, 4,819,014, Cl. 346-140.00R.
Nishimura, Masafumi: *See—*
Kuroda, Akihiro; Nishimura, Masafumi; and Sugawara, Kazuhide, 4,829,577, Cl. 381-45.000.
Nishimura, Masaji: *See—*
Uo, Junko; Nishimura, Masaji; Horiguchi, Kazuo; Nakanishi, Setsuko; and Kaku, Shigeru, 4,803,154, Cl. 435-7.000.
Nishimura, Masakatsu: *See—*
Ishiguro, Okikazu; Nishimura, Masakatsu; Nozawa, Shigeru; Kamogawa, Hiromi; and Kawano, Shigeyoshi, 4,836,991, Cl. 423-242.000.
Nishimura, Masayuki: *See—*
Buckland, Eric L.; and Nishimura, Masayuki, 4,838,690, Cl. 356-73.100.
Nishimura, Minoru: *See—*
Hattori, Torao; Nishimura, Minoru; and Goto, Masaki, 4,838,845, Cl. 474-242.000.
Nishimura, Mizuho; Watase, Nobuo; Sakaguchi, Yasunobu; and Kogane, Mikio, to Fuji Photo Film Co., Ltd. Punching cutter for thin material. 4,862,779, 9-5-89, Cl. 83-123.000.
Nishimura, Naruto; and Sato, Junji, to Sanyo Electric Co., Ltd. Noise reducer using magnitude of noise and non-linear signal processing. 4,796,088, 1-3-89, Cl. 358-167.000.
Nishimura, Ryoji, to AMP Incorporated. Shielded electrical connector. 4,854,890, 8-8-89, Cl. 439-607.000.
Nishimura, Ryuji: *See—*
Imaide, Takuya; Nishimura, Ryuji; and Noda, Masaru, 4,819,075, Cl. 358-213.180.
Nishimura, Sadanori; Makita, Hiroshige; and Ishikawa, Tomoaki, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic transmission apparatus. 4,856,264, 8-15-89, Cl. 56-10.900.
Nishimura, Sadanori: *See—*
Kato, Yukio; Nishimura, Sadanori; and Kishizawa, Yuji, 4,831,891, Cl. 74-745.000.
Kudo, Satoru; and Nishimura, Sadanori, 4,828,087, Cl. 192-53.00F.
Nishimura, Satoshi: *See—*
Watanabe, Kunio; Nishimura, Satoshi; and Kaneko, Kunishige, 4,869,758, Cl. 148-326.000.

Nishimura, Seiya; Yamaguchi, Mitsuo; and Iijima, Kenzaburou, to Yamaha Corporation. Magnetic encoder and a method for producing the same. 4,851,752, 7-25-89, Cl. 318-602.000.
Nishimura, Seiya: *See—*
Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, 4,806,860, Cl. 324-208.000.
Nishimura, Shigeo: *See—*
Daido, Toshihiko; Fujiwara, Mitsugu; and Nishimura, Shigeo, 4,871,039, Cl. 180-79.100.
Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, to Hitachi Ltd.; and Showa Denko Kabushiki Kaisha. Secondary cell. 4,879,192, 11-7-89, Cl. 429-198.000.
Nishimura, Shigeru; Kuroda, Toshihisa; and Aoki, Shin-ichiro, to Matsushita Electric Industrial Co., Ltd. Video signal processing apparatus for separating an image of a moving object from video signals. 4,805,018, 2-14-89, Cl. 358-105.000.
Nishimura, Shigeru; Kuroda, Toshihisa; and Kawata, Koichi, to Matsushita Electric Industrial Co., Ltd. Moving body recognition circuit using luminance signal and moving body tracking apparatus using the moving body recognition circuit. 4,847,688, 7-11-89, Cl. 358-125.000.
Nishimura, Shigeru: *See—*
Miyake, Hitomi; and Nishimura, Shigeru, 4,870,928, Cl. 123-52.0MV.
Nishimura, Shinichi, to Nissan Motor Co., Ltd. Seat belt anchor-equipped seat slide device. 4,818,022, 4-4-89, Cl. 297-473.000.
Nishimura, Shinichi, to Murata Kikai Kabushiki Kaisha. Spinning yarn producing device. 4,827,710, 5-9-89, Cl. 57-328.000.
Nishimura, Shinichi: *See—*
Munakata, Kiyohiko; and Nishimura, Shinichi, 4,817,904, Cl. 248-429.000.
Sakai, Shoji; and Nishimura, Shinichi, 4,845,932, Cl. 57-5.000.
Nishimura, Shinichiro: *See—*
Azuma, Ichiro; Tokura, Seiichi; Nishimura, Shinichiro; and Seo, Hiroshi, 4,873,092, Cl. 424-499.000.
Nishimura, Shintaro: *See—*
Takaya, Takao; Tozuka, Zenzoburo; Yasuda, Nobuyoshi; and Nishimura, Shintaro, 4,861,769, Cl. 514-202.000.
Nishimura, Shinzo: *See—*
Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
Nishimura, Shuichi: *See—*
Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,2[illegible], Cl. 123-52.0MB.
Nishimura, Tadashi; and Akasaka, Yoichi, to Mitsubishi Denki Kabushiki Kaisha. Stacked semiconductor device. 4,797,723, 1-10-89, Cl. 357-40.000.
Nishimura, Tadashi; Sugahara, Kazuyuki; Kusunoki, Shigeru; and Ohsaki, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Vertical type MOS transistor and method of formation thereof. 4,845,537, 7-4-89, Cl. 357-23.400.
Nishimura, Tadashi; Inoue, Yasuo; Sugahara, Kazuyuki; and Kusunoki, Shigeru, to Kozo Iizuka, Director General, Agency of Industrial Science and Technology. Method of manufacturing semiconductor crystalline layer. 4,861,418, 8-29-89, Cl. 156-620.720.
Nishimura, Tadashi: *See—*
Ishizu, Akira; Nishimura, Tadashi; and Inoue, Yasuo, 4,822,751, Cl. 437-173.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,822,752, Cl. 437-174.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, 4,870,031, Cl. 437-82.000.
Nishimura, Takanobu: *See—*
Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, 4,867,803, Cl. 148-3.000.
Nishimura, Takashi: *See—*
Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
Tanigawa, Motoshi; Dohi, Hidehiko; Nishimura, Takashi; Ichikawa, Kouji; and Koishi, Tetsuo, 4,877,071, Cl. 152-165.000.
Nishimura, Takumi: *See—*
Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.
Nishimura, Tatsumi; Eto, Eiichi; and Yamada, Toyofumi, to Ihara Chemical Industry Co., Ltd. Production of water-soluble chitin-oligomers by partial hydrolysis of chitin. 4,804,750, 2-14-89, Cl. 536-20.000.
Nishimura, Tatsuo; Yoshimura, Yoshinobu; Miyake, Akio; and Hashimoto, Naoto, to Takeda Chemical Industries, Ltd. Antibacterial compounds, and use. 4,839,351, 6-13-89, Cl. 514-206.000.
Nishimura, Tetsuharu, to Canon Kabushiki Kaisha. Moving state detection apparatus. 4,829,342, 5-9-89, Cl. 356-356.000.
Nishimura, Tetsuharu, to Canon Kabushiki Kaisha. Rotating state detection apparatus using a plurality of light beams. 4,868,385, 9-19-89, Cl. 250-231.0SE.
Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Oguri, Yasuo; and Inoue, Shoko, to Mitsubishi Kasei Corporation. Piezoelectric ceramic composition for actuators. 4,882,078, 11-21-89, Cl. 252-629.000.
Nishimura, Tetsunhiko: *See—*
Chida, Yukio; Nishimura, Tetsunhiko; and Oguri, Yasuo, 4,812,698, Cl. 310-330.000.
Nishimura, Tetsuro, to Nihon Speriasha Co., Ltd. Low-temperature solder composition. 4,816,219, 3-28-89, Cl. 420-589.000.
Nishimura, Toshiaki: *See—*
Saeki, Yukio; Nishimura, Toshiaki; and Ikeda, Kozuichi, 4,870,154, Cl. 528-145.000.
Nishimura, Toshiharu: *See—*
Watanabe, Kazuo; Nishimura, Toshiharu; and Kakutani, Masaki, 4,872,033, Cl. 355-27.000.
Nishimura, Toshihiro; and Matsunaga, Takashi, to Mitsui Petrochemical Industries, Ltd. Resin composition and film suitable for agricultural covering material. 4,828,906, 5-9-89, Cl. 428-220.000.
Nishimura, Toshihiro: *See—*
Ishikawa, Tsutomu; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,835,017, Cl. 427-379.000.
Kashiwagi, Eiichi; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,865,649, Cl. 106-287.160.
Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eiichi, 4,868,096, Cl. 430-329.000.
Nishimura, Toshimichi; and Kikuchi, Atsushi, to Sony Corporation. Method of configuring an n- th degree switched capacitor filter. 4,803,650, 2-7-89, Cl. 364-825.000.
Nishimura, Toshio; and Fukusaki, Megumi, to Sharp Kabushiki Kaisha. Electronic record keeping device. 4,833,632, 5-23-89, Cl. 364-709.040.
Nishimura, Tsutomu: *See—*
Nakatani, Seiichi; Nishimura, Tsutomu; Yuhaku, Satoru; and Ishida, Toru, 4,795,512, Cl. 156-89.000.
Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu, 4,865,772, Cl. 252-512.000.
Yuhaku, Satoru; Nakatani, Seiichi; Nishimura, Tsutomu; and Ishida, Toru, 4,812,422, Cl. 501-20.000.
Nishimura, Tutomu: *See—*
Yuhaku, Satoru; Nakatani, Seiichi; and Nishimura, Tutomu, 4,877,555, Cl. 252-512.000.
Nishimura, Yasunobu; Kawai, Toshikazu; and Sugimori, Yoshikazu, to Central Glass Company, Limited. Preparation of trifluoromethylbenzonitrile from trifluoromethylbenzaldehyde. 4,808,746, 2-28-89, Cl. 558-314.000.
Nishimura, Yasunobu; Gotoh, Yoshihiko; and Kawai, Toshikazu, to Central Glass Company, Limited. Method of preparing 4-trifluoromethyl-2-nitrobenzoic acid and novel isomer. 4,845,279, 7-4-89, Cl. 562-438.000.
Nishimura, Yasunobu; and Kawai, Toshikazu, to Central Glass Company, Limited. Process for making fluorobenzoic acid fluorophenylesters. 4,876,382, 10-24-89, Cl. 560-109.000.
Nishimura, Yasunori, to Sharp Kabushiki Kaisha. Apparatus and method for detecting residual organic compounds. 4,800,282, 1-24-89, Cl. 250-461.100.
Nishimura, Yasushi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for treating activated carbon with aqueous ammonia. 4,822,765, 4-18-89, Cl. 502-418.000.
Nishimura, Yoji: *See—*
Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nishimura, Yoji; and Seikou, Kiyokazu, 4,802,405, Cl. 98-2.060.
Nishimura, Yosaku, to Vital Kogyo Kabushiki Kaisha. Lever type hoisting machine. 4,819,913, 4-11-89, Cl. 254-350.000.
Nishimura, Yosaku, to Vital Kogyo Kabushiki Kaisha; and Ingersoll-Rand Company. Hand operated chain block. 4,881,720, 11-21-89, Cl. 254-358.000.
Nishimura, Yoshifumi; and Yoshimura, Yoshio, to Sumitomo Electric Industries, Ltd. Process for producing a metal wire useful as rubber product reinforcement. 4,859,289, 8-22-89, Cl. 204-28.000.
Nishimura, Yoshifumi: *See—*
Saito, Kazuaki; Nishimura, Yoshifumi; and Izawa, Shinichi, 4,849,471, Cl. 525-66.000.
Nishimura, Yoshihide: *See—*
Tachibana, Juro; and Nishimura, Yoshihide, 4,878,279, Cl. 28-203.000.
Nishimura, Yoshio; and Asada, Masaaki, to Kabushiki Kaisha Daikin Seisakusho. Clutch brake. 4,832,165, 5-23-89, Cl. 192-13.00R.
Nishimura, Yoshio; and Ohga, Syogo, to Kabushiki Kaisha Daikin Seisakusho. Damper disc. 4,848,552, 7-18-89, Cl. 192-106.200.
Nishimura, Yoshio: *See—*
Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, 4,820,316, Cl. 55-18.000.
Nishimura, Yuji, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Webbing driving device for use in seat belt apparatus. 4,852,908, 8-1-89, Cl. 280-804.000.
Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho; and Toyota Jidosha Kabushiki Kaisha. Apparatus for driving an intermediate portion of webbing. 4,858,953, 8-22-89, Cl. 280-807.000.
Nishimura, Yuji, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Driving force transmitting structure for automatic seat belt apparatus. 4,880,253, 11-14-89, Cl. 280-804.000.
Nishimura, Yuji: *See—*
Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; and Yoshitsugu, Noritada, 4,850,610, Cl. 280-804.000.

Nishimura, Yukinobu: *See—*
- Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, 4,807,581, Cl. 123-488.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,796,588, Cl. 123-479.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,856,475, Cl. 123-339.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,869,223, Cl. 123-489.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,877,003, Cl. 123-339.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,879,983, Cl. 123-339.000.
- Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,883,035, Cl. 123-361.000.
- Washino, Shoichi; and Nishimura, Yukinobu, 4,862,851, Cl. 123-339.000.
- Yamada, Toshihiro; Takebayashi, Hiroyuki; Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,817,573, Cl. 123-494.000.

Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, to Canon Kabushiki Kaisha. Optical element for modulation of light by heating a monomolecular film. 4,796,981, 1-10-89, Cl. 350-353.000.

Nishimura, Yukuo; Yuasa, Satoshi; Haruta, Masahiro; Yoshinaga, Yoko; and Munakata, Hirohide, to Canon Kabushiki Kaisha. Optical element. 4,832,466, 5-23-89, Cl. 350-354.000.

Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, to Canon Kabushiki Kaisha. Light modulating device. 4,848,879, 7-18-89, Cl. 350-353.000.

Nishimura, Yukuo: *See—*
- Haruta, Masahiro; Matsuda, Hiroshi; Munakata, Hirohide; and Nishimura, Yukuo, 4,818,665, Cl. 430-494.000.
- Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.
- Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.
- Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.
- Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.
- Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
- Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
- Yuasa, Satoshi; Munakata, Hirohide; Yoshinaga, Yoko; Haruta, Masahiro; and Nishimura, Yukuo, 4,881,798, Cl. 350-353.000.

Nishimura, Yutaka: *See—*
- Tashahashi, Minoru; Tokuda, Hiroastu; Watanabe, Izumi; and Nishimura, Yutaka, 4,881,407, Cl. 73-204.160.

Nishimura, Yuusaku; Ishida, Masahiko; and Haga, Ryoichi, to Hitachi, Ltd. Enzyme immobilization on a water-insoluble amino group-containing carrier. 4,888,285, 12-19-89, Cl. 435-176.000.

Nishimuro, Tadashi: *See—*
- Ohtsuka, Hiroshi; Itoh, Yoshio; Nishimuro, Tadashi; and Mitsutomi, Hisamitsu, 4,824,254, Cl. 356-401.000.

Nishimuro, Yasukazu: *See—*
- Watai, Minoru; Nishimuro, Yasukazu; and Iwabuchi, Koichi, 4,828,165, Cl. 232-43.100.

Nishina, Kiichiro, to Ricoh Company, Ltd. Lens system for a copier. 4,836,664, 6-6-89, Cl. 350-464.000.

Nishina, Masaaki; and Kawahuti, Junsei, to Nippon Zeon Co., Ltd. Recovery of vinyl chloride resin with aid of screen. 4,803,260, 2-7-89, Cl. 528-487.000.

Nishina, Takao: *See—*
- Tajima, Kenji; Nishina, Takao; and Nishikawa, Kazunori, 4,822,522, Cl. 252-400.240.

Nishina, Yuichiro: *See—*
- Jinno, Masafumi; Kake, Ichiro; Nishina, Yuichiro; and Masumoto, Tsuyoshi, 4,886,717, Cl. 430-19.000.

Nishinbe, Takashi: *See—*
- Yokoyama, Shotaro; and Nishinbe, Takashi, 4,883,951, Cl. 250-201.000.

Nishino, Atsushi; Ikeda, Masaki; Watanabe, Yoshihiro; and Hiraka, Masahiro, to Matsushita Electric Industrial Co., Ltd. Article having insulation abrasion coated layer. 4,861,657, 8-29-89, Cl. 428-336.000.

Nishino, Atsushi; Mizuno, Yasuo; and Ikeda, Masaki, to Matsushita Electric Industrial Co., Ltd. Method of manufacturing glass fiber. 4,885,020, 12-5-89, Cl. 65-2.000.

Nishino, Atsushi: *See—*
- Mizuno, Yasuo; Nishino, Atsushi; Ikeda, Masaki; and Kurio, Shinji, 4,855,261, Cl. 501-76.000.
- Yoshida, Akihiko; Nishino, Atsushi; Tanahashi, Ichiro; and Takeuchi, Yasuhiro, 4,814,145, Cl. 422-150.000.

Nishino, Haruo: *See—*
- Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.

Nishino, Hiroshi, to Kabushiki Kaisha Myukomu. Method of confirming user in modem communications and its system. 4,831,648, 5-16-89, Cl. 379-95.000.

Nishino, Seiichi: *See—*
- Kato, Kaneyuki; Teraji, Kazufumi; Nishino, Seiichi; and Suzuki, Teruo, 4,843,226, Cl. 235-492.000.

Nishino, Shigetaka: *See—*
- Takasugi, Hisashi; Ito, Kiyotaka; Nishino, Shigetaka; Tanaka, Akito; and Takaya, Takao, 4,822,805, Cl. 514-341.000.

Nishino, Shinichi: *See—*
- Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.

Nishino, Takaichi, to Tachi-S Co., Ltd. Seat slide device. 4,804,229, 2-14-89, Cl. 297-471.000.

Nishino, Takaichi: *See—*
- Fujita, Yasuyuki; and Nishino, Takaichi, 4,811,925, Cl. 248-430.000.

Nishino, Takashi: *See—*
- Takeuchi, Keiji; Nishino, Takashi; Odera, Motoyasu; Shimogaki, Hisao; and Negi, Tahee, 4,797,362, Cl. 435-221.000.

Nishino, Takayuki, to Mazda Motor Corporation. Apparatus for grinding shaving cutter teeth, and method of same. 4,848,040, 7-18-89, Cl. 51-287.000.

Nishino, Tetsuo: *See—*
- Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana, Tetsuo; and Iwabuchi, Eisuke, 4,837,761, Cl. 370-60.000.

Nishino, Toshikazu; Kawabe, Ushio; and Kominami, Shinya, to Hitachi, Ltd. Superconducting photodetector. 4,843,446, 6-27-89, Cl. 357-30.000.

Nishino, Toshikazu; Miyake, Mutsuko; Kawabe, Ushio; Harada, Yutaka; Aoki, Masaaki; and Hirano, Mikio. Superconducting device. 4,884,111, 11-28-89, Cl. 357-05.000.

Nishino, Toshikazu: *See—*
- Harada, Yutaka; Yano, Shinichiro; Miyake, Mutsuko; Kawabe, Ushio; and Nishino, Toshikazu, 4,888,629, Cl. 357-5.000.

Nishino, Tsutomu, to Canon Kabushiki Kaisha. Information processor having cursor display system and control. 4,881,064, 11-14-89, Cl. 340-709.000.

Nishino, Yukishige: *See—*
- Kerb, Ulrich; Nishino, Yukishige; and Henderson, David, 4,871,725, Cl. 514-177.000.

Nishinoiri, Hiroshi; Saikawa, Masahiko; Takaya, Yoshikazu; and Kanada, Euji, to Mitsubishi Paper Mills, Ltd. Method for making lithographic printing plate. 4,873,170, 10-10-89, Cl. 430-204.000.

Nishinoiri, Hiroshi: *See—*
- Kondo, Toshiro; Kanada, Eiji; and Nishinoiri, Hiroshi, 4,837,122, Cl. 430-204.000.

Nishio, Hiroaki, to Nippon Kokan Kabushiki Kaisha. Method for manufacturing a sintered body with high density. 4,843,043, 6-27-89, Cl. 501-97.000.

Nishio, Hiroaki; and Kawashima, Takeshi, to Nippon Kokan Kabushiki Kaisha. Apparatus for manufacturing a sintered body with high density. 4,850,575, 7-25-89, Cl. 266-149.000.

Nishio, Hisaharu; and Okumura, Toshio, to NGK Spark Plug Co., Ltd. Oxygen sensor protected against contaminants. 4,883,643, 11-28-89, Cl. 422-94.000.

Nishio, Isao: *See—*
- Yoshizumi, Toshiaki; and Nishio, Isao, 4,816,983, Cl. 363-54.000.

Nishio, Ken-ichi: *See—*
- Maeda, Hideo; and Nishio, Ken-ichi, 4,847,167, Cl. 428-614.000.
- Nakatani, Mitsuhisa; and Nishio, Ken-ichi, 4,839,238, Cl. 428-614.000.

Nishio, Koichi: *See—*
- Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Up Siegfried, 4,880,986, Cl. 250-484.100.

Nishio, Koji: *See—*
- Furukawa, Nobuhiro; Nishio, Koji; and Yoshinaga, Noriyuki, 4,840,858, Cl. 429-197.000.
- Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji. 4,795,687, Cl. 429-213.000.

Nishio, Kouji; and Hanamura, Yoshihiko, to Tokyo Kogaku Kikai Kabushiki Kaisha. Noncontact type tonometer. 4,872,460, 10-10-89, Cl. 128-648.000.

Nishio, Maki: *See—*
- Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.

Nishio, Makoto, to NEC Corporation. Apparatus for discriminating an optical signal from others and an apparatus for tuning an optical wavelength filter used in the same. 4,841,519, 6-20-89, Cl. 370-3.000.

Nishio, Masakazu; and Asaka, Akira, to Kurimoto Ltd. Method of growing mushrooms and apparatus thereof. 4,833,820, 5-30-89, Cl. 47-1.100.

Nishio, Masanobu; Sawada, Kazuo; Yamauchi, Kazuhisa; and Yosimura, Saburo, to Sumitomo Electric Industries, Ltd. Method and apparatus for withdrawing long-sized objects. 4,804,153, 2-14-89, Cl. 242-78.100.

Nishio, Masanobu: *See—*
- Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, 4,815,309, Cl. 72-47.000.
- Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, 4,859,811, Cl. 174-126.200.

Nishio, Mitsuhiro: *See—*
- Nishida, Naoto; and Nishio, Mitsuhiro, 4,876,690, Cl. 372-56.000.

Nishio, Naoki, to Sony Corp. Circuit for processing a digital signal having a blanking interval. 4,862,270, 8-29-89, Cl. 358-160.000.

Nishio, Seiichi, to Kabushiki Kaisha Toshiba. Signal tracing apparatus for logic circuit diagrams. 4,855,726, 8-8-89, Cl. 340-747.000.

Nishio, Shintaro: *See—*
- Ohno, Kiyotaka; Nagase, Hiroshi; Ishikawa, Mamoru; Matsumoto, Kazuhisa; and Nishio, Shintaro, 4,822,804, Cl. 514-337.000.
- Ohno, Kiyotaka; Takahashi, Toshiya; and Nishio, Shintaro, 4,880,939, Cl. 549-458.000.

Nishio, Taichi; Sanada, Takashi; and Okada, Takayuki, to Sumitomo Chemical Company, Ltd. Thermoplastic resin composition. 4,801,645, 1-31-89, Cl. 525-68.000.

Nishio, Takanori, to Hitachi, Ltd. Traversal method of processing tree structure information and apparatus using the same. 4,868,743, 9-19-89, Cl. 364-200.000.

Nishio, Takashi, to Pioneer Electronic Corporation; and Pioneer Video Corporation. Mounting device for an electronic component. 4,864,470, 9-5-89, Cl. 361-400.000.

Nishio, Takeyoshi: *See—*
- Shibuya, Nobuhiro; Takahashi, Hideyuki; and Nishio, Takeyoshi, 4,863,997, Cl. 525-92.000.

Nishio, Terutsune: *See—*
- Saeki, Mitsuru; Nishio, Terutsune; and Omura, Hiromichi, 4,867,786, Cl. 75-10.160

Nishio, Yoji: *See—*
- Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl. 307-446.000.
- Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.

Nishio, Yoshihiro; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, to Dainippon Ink and Chemicals, Inc. Electrophotographic printing plate comprising disazo and perynone compounds, hole transport material and alkali soluble resin. 4,859,555, 8-22-89, Cl. 430-72.000.

Nishio, Yoshitaka: *See—*
- Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, 4,796,584, Cl. 123-403.000.
- Obayashi, Hideki; Nishio, Yoshitaka; Kohama, Tokio; and Goto, Hiroyuki, 4,858,568, Cl. 123-52.00M.

Nishio, Yukio: *See—*
- Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, 4,801,035, Cl. 220-3.800.

Nishioka, Akira; Kamei, Masayuki; and Umaba, Toshihiko, to Fuji Photo Film Co., Ltd. Light-sensitive composition with fluorine containing acrylate or methacrylate copolymer surfactant. 4,822,713, 4-18-89, Cl. 430-175.000.

Nishioka, Akira; Hirano, Toshimi; and Akiyama, Keiji, to Fuji Photo Film Co., Ltd. Light-sensitive positive working, o-guinone diazide presensitized plate with mixed solvent. 4,845,008, 7-4-89, Cl. 430-165.000.

Nishioka, Akira: *See—*
- Suzuki, Tamotsu; Shinozaki, Fumiaki; Nishioka, Akira; and Totsuka, Mikio, 4,803,145, Cl. 430-166.000.

Nishioka, Goro; and Sakabe, Yukio, to Murata Manufacturing Co., Ltd. Temperature compensating dielectric ceramic composition. 4,816,429, 3-28-89, Cl. 501-135.000.

Nishioka, Goro: *See—*
- Fujino, Masaru; Nishioka, Goro; and Sakabe, Yukio, 4,859,641, Cl. 501-136.000.
- Sano, Harunobu; Ichikawa, Hiroaki; Nishioka, Goro; and Sakabe, Yukio, 4,820,670, Cl. 501-136.000.
- Sano, Harunobu; Sakabe, Yukio; and Nishioka, Goro, 4,875,136, Cl. 361-321.000.

Nishioka, Jim Z. Shooting guide for bows. 4,827,893, 5-9-89, Cl. 124-25.000.

Nishioka, Jim Z. Shooting bow. 4,879,987, 11-14-89, Cl. 124-25.000.

Nishioka, Kenji: *See—*
- Ajani, Jaffer; Grossie, Bruce, Jr.; Nishioka, Kenji; and Ota, David M., 4,859,452, Cl. 424-10.000.

Nishioka, Kimihiko; and Yoshinaga, Jun, to Olympus Optical Co., Ltd. Television camera for endoscopes provided with an optical low-pass filter. 4,805,028, 2-14-89, Cl. 358-225.000.

Nishioka, Kimihiko; and Yabe, Hisao, to Olympus Optical Co., Ltd. Electronic image pickup device for endoscopes. 4,807,026, 2-21-89, Cl. 358-98.000.

Nishioka, Kimihiko, to Olympus Optical Co., Ltd. Illumination optical system for an endoscope. 4,824,225, 4-25-89, Cl. 350-432.000.

Nishioka, Kimihiko; and Uehara, Masao, to Olympus Optical Co., Ltd. Video endoscope system provided with color balance adjusting means. 4,831,437, 5-16-89, Cl. 358-98.000.

Nishioka, Kimihiko; Tojo, Kikumi; and Yokota, Akira, to Olympus Optical Co., Ltd. Objective lens system for an endoscope. 4,867,546, 9-19-89, Cl. 350-432.000.

Nishioka, Kimihiko: *See—*
- Hasegawa, Akira; Takahashi, Susumu; Tsuji, Kiyoshi; Nishioka, Kimihiko; and Matsui, Hiroshi, 4,882,619, Cl. 358-55.000.
- Okabe, Minoru; Yokota, Akira; and Nishioka, Kimihiko, 4,806,001, Cl. 350-432.000.
- Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.
- Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000

Nishioka, Koyoshi; Tamehiro, Hiroshi; and Murata, Masahiko, to Nippon Steel Corpopration. Method of producing steel plate with good low-temperature toughness. 4,851,052, 7-25-89, Cl. 148-2.000.

Nishioka, Kyusaku: *See—*
- Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, 4,877,509, Cl. 204 298.000.

Nishioka, Masaaki: *See—*
- Takahashi, Shunzo; and Nishioka, Masaaki, 4,817,067, Cl. 369-44.000.

Nishioka, Nobuaki, to Minolta Camera Kabushiki Kaisha. Image forming apparatus having a high-voltage unit malfunction detecting function. 4,797,705, 1-10-89, Cl. 355-14.0CH.

Nishioka, Nobuaki: *See—*
- Kumon, Toshihiko; and Nishioka, Nobuaki, 4,890,212, Cl. 363-49.000.
- Matsushita, Kouji; Nakagami, Hidekazu; Nishioka, Nobuaki; and Makio, Tatsumi, 4,811,045, Cl. 355-3.0CH.

Nishioka, Ryo: *See—*
- Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,839,353, Cl. 514-212.000.

Nishioka, Syoji, to Kabushiki Kaisha Toshiba. Interrupt control system having a processor for determining service priority among a plurality of modules according to an interrupt status table. 4,799,148, 1-17-89, Cl. 364-200.000.

Nishioka, Syoji, to Kabushiki Kaisha Toshiba. Index signal generation timing control system. 4,831,468, 5-16-89, Cl. 360-722.000.

Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Coarse adjusting device of scanning tunneling microscope. 4,837,445, 6-6-89, Cl. 250-442.100.

Nishioka, Tadashi; Morimoto, Hiroaki; Mashiko, Yoji; and Koyama, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Method for identifying a blistered film in layered films. 4,843,238, 6-27-89, Cl. 250-252.100.

Nishioka, Tadashi; Mashiko, Yoji; Morimoto, Hiroaki; and Koyama, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Process for forming electrodes for semiconductor devices using focused ion beams. 4,853,341, 8-1-89, Cl. 437-24.000.

Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Fine adjustment mechanism for a scanning tunneling microscope. 4,880,975, 11-14-89, Cl. 250-306.000.

Nishioka, Takashi: *See—*
- Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
- Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.

Nishioka, Toshiyasu: *See—*
- Toyoda, Yasushi; Mishiba, Saburo; and Nishioka, Toshiyasu, 4,861,820, Cl. 524-510.000.

Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, to Hitachi, Ltd. Semiconductor memory device. 4,809,052, 2-28-89, Cl. 357-45.000.

Nishioka, Yoshiki: *See—*
- Ueda, Toru; and Nishioka, Yoshiki, 4,833,711, Cl. 381-43.000.

Nishise, Hideya; Sakakibara, Susumu; and Imaizumi, Masaru, to Minolta Camera Kabushiki Kaisha. Toner supplying device. 4,803,513, 2-7-89, Cl. 355-3.0DD.

Nishita, Shigeo: *See—*
- Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, 4,796,296, Cl. 379-410.000.

Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, to Hitachi, Ltd. Method for selective deposition of metal thin film. 4,830,891, 5-16-89, Cl. 427-253.000.

Nishitani, Kenzi; and Takata, Hideyuki, to SMC Corporation. Power feeder for solenoid valves. 4,815,496, 3-28-89, Cl. 137-884.000.

Nishitani, Kenzo: *See—*
- Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.

Nishitani, Kunihiko; and Tsuboi, Noboru, to Kabushiki Kaisha Kobe Seiko Sho. Screw vacuum pump. 4,808,095, 2-28-89, Cl. 418-15.000.

Nishitani, Kunihiko: *See—*
- Kubo, Kazuo; Tsuboi, Noboru; Nishitani, Kunihiko; and Nomura, Ituro, 4,812,110, Cl. 418-1.000.
- Kubo, Kazuo; Nomura, Itsuro; Nishitani, Kunihiko; and Tsuboi, Noboru, 4,826,412, Cl. 418-180.000.

Nishitani, Noriaki: *See—*
- Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, 4,812,271, Cl. 264-63.000.

Nishitani, Shinji; Minamikawa, Junichi; Kano, Masanobu; Otsubo, Junichiro; and Manabe, Yoshiaki, to Otsuka Pharmaceutical Co., Ltd. Process for preparing novel dihydropyridine derivatives. 4,795,814, 1-3-89, Cl. 546-249.000.

Nishitani, Tadashi: *See—*
- Hiraga, Imao; Yamazaki, Satoshi; Yamada, Takehide; and Nishitani, Tadashi, 4,862,434, Cl. 368-190.000.

Nishitani, Takao; and Kawakami, Yuichi, to NEC Corporation. Processing circuit capable of raising throughput of accumulation. 4,811,268, 3-7-89, Cl. 364-745.000.

Nishitani, Takao; Kuroda, Ichiro; Tanaka, Hideo; and Sugishita, Kyosuke, to NEC Corporation. Processing circuit capable of raising throughput of accumulation. 4,817,047, 3-28-89, Cl. 364-754.000.

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Tanaka, Hideo; and Nishitani, Takao, 4,796,218, Cl. 364-748.000.

Nishitarumizu, Tsuyoshi: *See*—
Nogami, Taro; Nishitarumizu, Tsuyoshi; and Seki, Kiwao, 4,810,168, Cl. 417-2.000.

Nishitoku, Yukitsugu, to Fuji Photo Film Co., Ltd. Image exposure apparatus. 4,876,569, 10-24-89, Cl. 355-68.000.

Nishitsuji, Kazuichi, to Kabushiki Kaisha Toshiba. Closed type electric compressor. 4,808,085, 2-28-89, Cl. 417-363.000.

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Soderlund, John D.; and Nishiura, Fumitaka, 4,854,985, Cl. 156-85.000.

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Ooshima, Hiromi; Shimizu, Masao; and Nishiura, Junji, 4,835,774, Cl. 371-25.000.
Sato, Kazuhiko; Nishiura, Junji; and Takahashi, Keiichi, 4,862,071, Cl. 324-73.00R.

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Nishiura, Masaharu, to Fuji Electric Co., Ltd. Active matrix display. 4,820,024, 4-11-89, Cl. 350-333.000.

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Nishiura, Norimasa; and Hishida, Tadashi, to Mitsubishi Jukogyo Kabushiki Kaisha; and VIV Engineering Inc. Camshaft preferably for an internal combustion engine. 4,826,346, 5-2-89, Cl. 403-267.000.

Nishiura, Yozo, to Itaru Todoriki, Director-General, Agency of Industrial Science and Technology. D.C. component controlled fiber optic gyroscope. 4,863,273, 9-5-89, Cl. 356-350.000.

Nishiwaki, Kokichi, to Kabushikikaisha Toshonishiwaki. Process for the waterproof working with the use of deposition layer including mesh reinforcing bar. 4,818,573, 4-4-89, Cl. 427-403.000.

Nishiwaki, Mitsuo: *See*—
Hatori, Yoshinori; Nishiwaki, Mitsuo; and Mukawa, Naoki, 4,807,028, Cl. 358-133.000.

Nishiya, Takushi, to Hitachi, Ltd. Position measuring method. 4,825,393, 4-25-89, Cl. 364-560.000.

Nishiyama, Haruo: *See*—
Narukawa, Atsushi; and Nishiyama, Haruo, 4,823,165, Cl. 355-75.000.

Nishiyama, Hidemi; and Ohtani, Kenichi, to Furukawa Electric Co., Ltd., The. Flame retardant thermoplastic polyurethane resin composition. 4,886,848, 12-12-89, Cl. 524-109.000.

Nishiyama, Hiromi: *See*—
Arai, Kunio; Nishiyama, Hiromi; Aoyama, Hiroshi; and Kanaya, Yasuhiko, 4,872,787, Cl. 408-1.00R.

Nishiyama, Hisashi: *See*—
Ogawa, Toshio; Nishiyama, Hisashi; Katakura, Kageyoshi; and Ishikawa, Shizuo, 4,884,448, Cl. 73-597.000.

Nishiyama, Hitoshi: *See*—
Takahashi, Hiroshi; and Nishiyama, Hitoshi, 4,849,714, Cl. 331-1.00A.

Nishiyama, Katsumi, to Murata Manufacturing Co., Ltd. Capacitor network. 4,866,566, 9-12-89, Cl. 361-306.000.

Nishiyama, Katsumi: *See*—
Imamura, Eiji; and Nishiyama, Katsumi, 4,855,866, Cl. 361-306.000.

Nishiyama, Kiyoto: *See*—
Eda, Yasuyuki; Maeda, Toshihiro; Nishiyama, Kiyoto; and Tashiro, Akira, 4,883,752, Cl. 435-68.000.

Nishiyama, Koushi: *See*—
Urushizaki, Sueo; Ohta, Yasuo; Sato, Mamoru; Sakai: Fukumi; and Nishiyama; Koushi, 4,877,730, Cl. 435-132.000.

Nishiyama, Masaaki; and Kadono, Takashi, to Minolta Camera Kabushiki Kaisha. Dot image character generator employing a font memory. 4,847,787, 7-11-89, Cl. 364-518.000.

Nishiyama, Masaaki; and Kadono, Takashi, to Minolta Camera Kabushiki Kaisha. Image signal processing device. 4,864,414, 9-5-89, Cl. 358-261.400.

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Nishiyama, Masakazu; Shinbori, Takeyoshi; and Yamamoto, Hideo, to NHK Spring Co., Ltd. Vehicle suspension device with a coil spring embedded in an open cell foam. 4,886,256, 12-12-89, Cl. 267-221.000.

Nishiyama, Masaki, to Canon Kabushiki Kaisha. Display apparatus adapted to display various types of modified characters. 4,827,254, 5-2-89, Cl. 340-790.000.

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Nishiyama, Masaki: *See*—
Kusuda, Masataka; Fukuma, Shuji; and Nishiyama, Masaki, 4,857,192, Cl. 210-321.840.

Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki: Tatsuo; and Kitamoto, Akira, to Duskin Co., Ltd.; and Matsushita Electric Industrial Co., Ltd. Towel dispenser. 4,856,854, 8-15-89, Cl. 312-38.000.

Nishiyama, Masatoshi: *See*—
Fukuchi, Hiroyuke; Nishiyama, Masatoshi; and Sugawara, Yukio, 4,831,250, Cl. 250-223.00B.

Nishiyama, Michiaki: *See*—
Takai, Nobuei; Sakamoto, Haruo; Uekido, Kouzou; and Nishiyama, Michiaki, 4,838,814, Cl. 439-620.000.

Nishiyama, Mikio, to Fuji Photo Film Co., Ltd. Method of and circuit for correcting linearity of horizontal deflection system. 4,795,946, 1-3-89, Cl. 315-370.000.

Nishiyama, Mikio; and Akimoto, Taizo, to Fuji Photo Film Co., Ltd. Controller for CRT display apparatus. 4,837,626, 6-6-89, Cl. 358-183.000.

Nishiyama, Mikio; Yoshino, Tatsuo; and Akimoto, Taizo, to Fuji Photo Film Co., Ltd. Apparatus for recording CRT image. 4,841,371, 6-20-89, Cl. 358-244.000.

Nishiyama, Mikio: *See*—
Akimoto, Taizo; Nishiyama, Mikio; Yazawa, Yoshiyuki; and Ohnishi, Hirohumi, 4,827,341, Cl. 358-148.000.

Nishiyama, Noboru: *See*—
Sato, Kouki; Matsuyama, Junya; and Nishiyama, Noboru, 4,803,340, Cl. 219-146.100.

Nishiyama, Nobumasa: *See*—
Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, 4,823,208, Cl. 360-46.000.

Nishiyama, Randall T.; and Bedard, Alfred J., Jr., to United States of America, Commerce; and University of Colorado Foundation, Inc. Quad disk static pressure probe. 4,838,087, 6-13-89, Cl. 73-700.000.

Nishiyama, Ryoji: *See*—
Kanno, Yoshiaki; and Nishiyama, Ryoji, 4,854,285, Cl. 123-418.000.
Nakamoto, Katsuya; Kanno, Yoshiaki; and Nishiyama, Ryoji, 4,809,664, Cl. 123-436.000.
Shimomura, Setsuhiro; and Nishiyama, Ryoji, 4,877,002, Cl. 123-339.000.
Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,889,098, Cl. 123-489.000.
Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,886,028, Cl. 123-479.000.

Nishiyama, Satoshi: *See*—
Jefson, Martin R.; Kaneda, Jeiji; Nishiyama, Satoshi; and Tone, Junsukse, 4,847,245, Cl. 514-54.000.
Kuratani, Shusei; Uno, Kohichi; Mizuno, Shinya; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,843,038, Cl. 501-98.000.
Mizuno, Shinya; Kuratani, Shusei; Uno, Kohichi; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,833,108, Cl. 501-98.000.

Nishiyama, Shinichi: *See*—
Shigeta, Masatomo; Abe, Hikonori; and Nishiyama, Shinichi, 4,800,887, Cl. 128-639.000.

Nishiyama, Shinsuke: *See*—
Yamaguchi, Isao; Nishiyama, Shinsuke; and Kubo, Masami, 4,804,672, Cl. 514-392.000.

Nishiyama, Sinichi; Abe, Hajime; Seki, Kuniaki; and Hagiwara, Noboru, to Hitachi Cable, Ltd. Method for manufacturing metallic tube members. 4,838,063, 6-13-89, Cl. 72-47.000.

Nishiyama, Soichi: *See*—
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; and Miyoshi, Masayasu, 4,797,990, Cl. 29-568.000.
Yamaguchi, Yoshinori; Nishiyama, Soichi; Maeda, Norihide; and Miyoshi, Masayasu, 4,797,991, Cl. 29-568.000.

Nishiyama, Tadashi: *See*—
Sugie, Kazuo; Sainen, Yoshimasa; Kimura, Yuji; and Nishiyama, Tadashi, 4,866,782, Cl. 382-22.000.

Nishiyama, Takanori: *See*—
Ichimura, Shigeru; Nakasuna, Seiko; Kawarai, Takeshi; Nishiyama, Takanori; and Toyoshima, Shuji, 4,885,643, Cl. 358-335.000.

Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, to Hitachi Ltd.; and Hitachi Microcomputer Engineering, Ltd. Circuit translator. 4,803,636, 2-7-89, Cl. 364-491.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, to Matsushita Electric Industrial Co., Ltd. Arithmetic processor and multiplier using redundant signed digit arithmetic. 4,864,528, 9-5-89, Cl. 364-754.000.

Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, to Matsushita Electric Industrial Co., Ltd. Arithmetic processor and divider using redundant signed digit. 4,866,655, 9-12-89, Cl. 364-761.000.

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Nishiyama, Tamotsu; Kuninobu, Shigeo; and Takagi, Naofumi, to Matsushita Electric Industrial Co., Ltd. High speed multiplier utilizing signed-digit and carry-save operands. 4,868,777, 9-19-89, Cl. 364-754.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, to Matsushita Electric Industrial Co., Ltd. Arithmetic processor using redundant signed digit arithmetic. 4,873,660, 10-10-89, Cl. 364-768.000.

Nishiyama, Tamotsu; and Kuninobu, Shigeo, to Matsushita Electric Industrial Co. Ltd. Arithmetic processor and divider using redundant signed digit arithmetic. 4,878,192, 10-31-89, Cl. 364-768.000.

Nishiyama, Toshikazu: *See*—
Tsuchiya, Kazuhiro; Nishiyama, Toshikazu; and Tomishima, Hiroshi, 4,805,059, Cl. 360-125.000.
Yamada, Seiichi; Naitoh, Takashi; Namekawa, Takashi; Ikegami, Akira; Gotoo, Ryoo; and Nishiyama, Toshikazu, 4,816,949, Cl. 360-120.000.

Nishiyama, Toshimichi: *See*—
Aizawa, Tadashi; Nishiyama, Toshimichi; Okawa, Masaru; and Nakane, Kazuo, 4,797,169, Cl. 156-64.000.

Nishiyama, Toshio: *See*—
Takahashi, Yoshikazu; and Nishiyama, Toshio, 4,799,418, Cl. 91-449.000.

Nishiyama, Toyoo: *See*—
Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.

Nishiyama, Yoshihiro: *See*—
Yokota, Teruo; Nishiyama, Yoshihiro; and Takasaki, Tadao, 4,809,384, Cl. 15-103.000.

Nishiyama, Yoshihisa: *See*—
Kitagawa, Tohru; and Nishiyama, Yoshihisa, 4,821,822, Cl. 177-211.000.

Nishiyama, Yoshinobu: *See*—
Kaneko, Tsugio; Ishikawa, Fumiya; Nishiyama, Yoshinobu; and Shibata, Toshiharu, 4,871,464, Cl. 210-682.000.

Nishiyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, to Sumitomo Electric Industries, Ltd.; and Mazada Motor Corporation. Throttle opening controller. 4,889,093, 12-26-89, Cl. 123-400.000.

Nishiyama, Yukio; Fujioka, Junzo; Hino, Haruki; and Miyashita, Takuya, to Kawasaki Jukogyo Kabushiki Kaisha. Composite valve for reciprocating engines and method for manufacturing the same. 4,834,036, 5-30-89, Cl. 123-188.00A.

Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and Isobe, Susumu, to Kawasaki Jukogyo Kabushiki Kaisha; and Daido Tokushuko Kabushiki Kaisha. Ti-Al intermetallics containing boron for enhanced ductility. 4,849,168, 7-18-89, Cl. 420-418.000.

Nishiyama, Yutaka: *See*—
Kimura, Etsuji; Hasegawa, Nozomu; and Nishiyama, Yutaka, 4,886,777, Cl. 505-1.000.

Nishiyama, Yuzuru: *See*—
Takada, Koji; Magara, Kenji; and Nishiyama, Yuzuru, 4,847,511, Cl. 250-561.000.

Nishiyodo Air Conditioner Co., Ltd.: *See*—
Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

Nishizaka, Hiroshi: *See*—
Yamasaki, Kouji; Ikezaki, Eiji; Tano, Yasunori; and Nishizaka, Hiroshi, 4,846,903, Cl. 148-111.000.

Nishizaki, Akihiko: *See*—
Kittaka, Hirokazu; Nishizaki, Akihiko; and Ichijo, Toshihiro, 4,849,150, Cl. 264-258.000.

Nishizaki, Hirozumi: *See*—
Taguchi, Norikazu; Nishizaki, Hirozumi; Masui, Hisashi; and Ishizuka, Toshiyasu, 4,818,911, Cl. 310-259.000.

Nishizaki, Takeshi: *See*—
Umetsu, Shozo; and Nishizaki, Takeshi, 4,824,494, Cl. 148-438.000.

Nishizaki, Toshio: *See*—
Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, 4,814,018, Cl. 106-457.000.

Nishizato, Hiroshi: *See*—
Sugai, Kazuyoshi; Sato, Kiyotaka; and Nishizato, Hiroshi, 4,879,487, Cl. 310-313.00A.

Nishizawa, Akira, to Victor Company of Japan, Ltd. Information signal recording medium electrostatic capacitance type. 4,827,466, 5-2-89, Cl. 369-126.000.

Nishizawa, Hideyuki. Electrophoretic apparatus. 4,814,057, 3-21-89, Cl. 204-299.00R.

Nishizawa, Hiroyuki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Internal combustion engine for a vehicle. 4,877,004, 10-31-89, Cl. 123-432.000.

Nishizawa, Hisao, to Dainippon Screen Mfg. Co., Ltd. Apparatus for washing opposite surfaces of a substrate. 4,811,443, 3-14-89, Cl. 15-97.100.

Nishizawa, Hisao; Morita, Masaru; and Tanaka, Masato, to Dainippon Screen Mfg. Co., Ltd. Method and apparatus for surface treating of substrates. 4,871,417, 10-3-89, Cl. 156-640.000.

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, to NGK Insulators, Ltd. Electrochemical gas sensor. 4,795,544, 1-3-89, Cl. 204-425.000.

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, to NGK Insulators, Ltd. Electrochemical device having a heater and leak protection electrode. 4,814,059, 3-21-89, Cl. 204-406.000.

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, to NGK Insulators, Ltd. Electrochemical gas sensor, and method for manufacturing the same. 4,859,307, 8-22-89, Cl. 204-425.000.

Nishizawa, Jun-ichi, to Zaidan Hojin Handotai Kenkyu Shinkokai. Tunnel injection controlling type semiconductor device controlled by static induction effect. 4,799,090, 1-17-89, Cl. 357-12.000.

Nishizawa, Jun-Ichi; and Wilamowski, Bogdan M., to Zaidan Hojin Handotai Kenkyu Shinkokai. Static induction transistor and integrated circuit device using same. 4,811,064, 3-7-89, Cl. 357-22.000.

Nishizawa, Jun-ichi; and Ohmi, Tadahiro, to Zaidan Hojin Handotai Kenkyu Shinkokai. Insulated gate static induction transistor and integrated circuit including same. 4,814,839, 3-21-89, Cl. 357-23.300.

Nishizawa, Jun-ichi, to Zaidan Hojin Handotai Kenkyu Shinkokai. Charge transfer device with pn junction gates. 4,814,843, 3-21-89, Cl. 357-24.000.

Nishizawa, Jun-ichi. Semiconductor device having a pn junction. 4,819,058, 4-4-89, Cl. 357-17.000.

Nishizawa, Jun-ichi; and Kondoh, Hisao, to Mitsubishi Electric Corporation; and Research Development Corporation of Japan. Double gate static induction thyristor and method for manufacturing the same. 4,837,608, 6-6-89, Cl. 357-38.000.

Nishizawa, Jun-ichi. Static induction photothyristor having a non-homogeneously doped gate. 4,841,350, 6-20-89, Cl. 357-30.000.

Nishizawa, Jun-ichi; Tamamushi, Takashige; and Nonaka, Ken-ichi, to Zaidan Hojin Handotai Kenkyu Shinkokai. Integrated light-triggered and light-quenched static induction thyristor and making method thereof. 4,866,500, 9-12-89, Cl. 357-38.000.

Nishizawa, Jun-ichi; and Kondoh, Hisao, to Mitsubishi Electric Corporation. Method of making double gate static induction thyristor. 4,870,028, 9-26-89, Cl. 437-6.000.

Nishizawa, Jun-ichi; and Ohmi, Tadahiro, to Zaidan Hojin Handotai Kenkyu Shinkokai. Static induction type thyristor. 4,872,044, 10-3-89, Cl. 357-38.000.

Nishizawa, Jun-ichi, to Zaidan Hojin Handotai Kenkyu Shinkokai. Tunnel injection controlling type semiconductor device controlled by static induction effect. 4,876,580, 10-24-89, Cl. 357-22.000.

Nishizawa, Junichi; Abe, Hitoshi; and Suzuki, Soubei, to Research Development Corporation of Japan; Nishizawa, Junichi; Abe, Hitoshi; and Suzuki, Soubei. Use of infrared radiation and an ellipsoidal reflection mirror. 4,806,321, 2-21-89, Cl. 422-245.000.

Nishizawa, Junichi, to Handotai Kenkyu Shinkokai. Optically controllable static induction thyristor device. 4,816,891, 3-28-89, Cl. 357-38.000.

Nishizawa, Junichi; and Tamaoki, Yoshikatsu, to Nishizawa, Junichi. Holder with semiconductor lighting device. 4,831,504, 5-16-89, Cl. 362-100.000.

Nishizawa, Junichi; and Aoki, Kenji, to Research Development Corporation of Japan; Junichi Nishizawa; and Seiko Instruments, Inc. Method for growing single crystal thin films of element semiconductor. 4,834,831, 5-30-89, Cl. 156-611.000.

Nishizawa, Junichi; and Motoya, Kaoru, to Research Development Corp.; Nishizawa, Junichi; and Motoya, Kaoru. Tunnel injection type static transistor and its integrated circuit. 4,870,469, 9-26-89, Cl. 357-22.000.

Nishizawa, Junichi: *See*—
Matsumoto, Fumio, 4,859,625, Cl. 437-81.000.

Nishizawa, Katsuhiko; and Takano, Yuji, to Seiko Epson Corporation. Carriage control system for printer. 4,869,610, 9-26-89, Cl. 400-322.000.

Nishizawa, Kazutoshi; Takagi, Masashi; Matsuoka, Akio; and Nomura, Fuzio, to Nippondenso Co., Ltd. Rotary compressor with clutch and bypass control actuated by hydraulic fluid. 4,828,463, 5-9-89, Cl. 417-307.000.

Nishizawa, Koji: *See*—
Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, 4,867,573, Cl. 366-114.000.

Nishizawa, Kuninori; Miura, Teruo; Watanabe, Yoichi; and Takagi, Hirohiko, to Bridgestone Corporation. Metal cords and pneumatic tires using the same. 4,836,262, 6-6-89, Cl. 152-451.000.

Nishizawa, Masahiro: *See*—
Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nonogaki, Saburo; and Nishizawa, Masahiro, 4,857,429, Cl. 430-28.000.
Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.
Tomita, Yoshifumi; Nishizawa, Masahiro; and Nonogaki, Saburo, 4,855,200, Cl. 430-25.000.

Nishizawa, Minoru, to Gakei Electric Works Co., Ltd. Single crystal growing method and apparatus. 4,832,922, 5-23-89, Cl. 422-249.000.

Nishizawa, Minoru, to Gakei Electric Works Co., Ltd. Single crystal growing method having improved melt control. 4,874,458, 10-17-89, Cl. 156-607.000.

Nishizawa, Seiji: *See*—
Wada, Akio; Nakeuchi, Fumiko; and Nishizawa, Seiji, 4,841,145, Cl. 250-304.000.

Nishizawa, Shigeki; Takemoto, Iwao; Miyazawa, Toshio; and Izawa, Tetsurou. Solid state imaging device with an arrangement for providing a high speed scan or omitting scanning in an unnecessary pick-up range. 4,841,369, 6-20-89, Cl. 358-213.260.

Nishizawa, Shigeki: *See*—
Izawa, Tetsurou; Miyazawa, Toshio; Nishizawa, Shigeki; Takemoto, Iwao; and Yasuda, Kouzou, 4,870,493, Cl. 358-213.190.

Nishizawa, Shohta: *See*—
Oishi, Shingo; and Nishizawa, Shohta, 4,836,819, Cl. 446-288.000.

Nishizawa, Shunichi; Tsubota, Toshio; and Chikura, Takashi, to Mitsubishi Jukogyo Kabushiki Kaisha. Balancing mechanism. 4,803,895, 2-14-89, Cl. 74-603.000.

Nishizawa, Susumu: *See*—
Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, 4,847,286, Cl. 514-456.000.

Nishizawa, Teiji: *See*—
Kung, Hsiang-Tsung; Hsu, Feng-Hsiung; Sussman, Alan L.; and Nishizawa, Teiji, 4,807,183, Cl. 364-900.000.

Nishizawa, Toshinori: *See*—
Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,836,187, Cl. 128-4.000.

Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,844,052, Cl. 128-4.000.

Nishizawa, Toshio: *See*—

Hamma, Noritaka; Saito, Yoshikazu; Nishizawa, Toshio; and Katsumata, Takashi, 4,853,378, Cl. 514-167.000.

Nishizawa, Tsutomu; Yamada, Yasuyuki; Fujio, Junichi; and Hosonuma, Shin, to Mitsui Toatsu Chemicals, Inc. Colored polarizing film and method of making same. 4,842,781, 6-27-89, Cl. 264-1.300.

Nishizawa, Tsutomu: *See*—

Nakamura, Katsuji; Fujio, Junichi; Hosonuma, Shin; Nakatsuka, Masakatsu; and Nishizawa, Tsutomu, 4,824,882, Cl. 524-89.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,503, Cl. 430-75.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,507, Cl. 430-73.000.

Nishizono, Taiji, to Kabushiki Kaisha Chibakou Shoji. Condom applicator. 4,872,463, 10-10-89, Cl. 128-844.000.

Nisi, Dieter; and Paul, Helmut, to Daimler-Benz Aktiengesellschaft. Process for curing sand moldings. 4,886,105, 12-12-89, Cl. 164-16.000.

Nisikori, Toshiaka: *See*—

Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.

Nisimura, Katumi: *See*—

Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.

Nisimura, Masafumi: *See*—

Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, 4,855,374, Cl. 526-261.000.

Niskala, Gary G., to Hughes Aircraft Company. Rotatable pick and place vacuum sense head for die bonding apparatus. 4,799,854, 1-24-89, Cl. 414-737.000.

Niskala, Wayne F.: *See*—

Ohmori, Seishi; Niskala, Wayne F.; and Ishida, Yoshitaka, 4,804,976, Cl. 346-76.0PH.

Niskanen, Juhani; and Pullinen, Martti, to Valmet Oy. Method and device in an adjustable-crown roll. 4,856,155, 8-15-89, Cl. 29-113.200.

Niskanen, Juhani, to Valmet Paper Machinery, Inc. Method for detaching a web from a surface of a roll with inductive heating. 4,889,598, 12-26-89, Cl. 162-199.000.

Niskanen, Toivo, to Kamyr AB. Apparatus for mixing chemicals in fibre suspensions. 4,834,547, 5-30-89, Cl. 366-165.000.

Niskanen, Toivo, to A. Ahlstrom Corporation. Method and apparatus for pumping high-consistency fiber suspension. 4,884,943, 12-5-89, Cl. 415-143.000.

Niske, Jorgen, to AB Tetra Pak. Method of manufacturing packaging container. 4,848,063, 7-18-89, Cl. 53-451.000.

Niskin, Deborah E., executor: *See*—

Niskin, Shale, deceased; and Niskin, Deborah E., executor, 4,852,413, Cl. 73-864.670.

Niskin, Shale, deceased; and by Niskin, Deborah E., executor. Water sampler rosette. 4,852,413, 8-1-89, Cl. 73-864.670.

Nisley, Donald L.; and Martinie, Howard M., to Reliance Electric Company. High efficiency seal devices for shaft bearings. 4,832,511, 5-23-89, Cl. 384-480.000.

Nissan Chemical Industries, Ltd.: *See*—

Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, 4,885,022, Cl. 71-86.000.

Fujikawa, Yoshihiro; Wakamatsu, Masazumi; Fukui, Mariko; and Miyasaka, Tadashi, 4,841,068, Cl. 548-365.000.

Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.

Kato, Etsuro, 4,873,064, Cl. 423-85.000.

Miyaji, Katsuaki; Arai, Kazutaka; Ohara, Yoshio; and Takahashi, Yasuhiro, 4,837,344, Cl. 549-319.000.

Morishige, Fukumi, 4,839,172, Cl. 424-105.000.

Morishige, Fukumi, 4,851,390, Cl. 514-44.000.

Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,824,474, Cl. 71-92.000.

Numata, Tatsuo; Hatanaka, Masataka; and Watanabe, Junichi, 4,837,345, Cl. 549-416.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, 4,837,217, Cl. 514-252.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,874,861, Cl. 544-229.000.

Okubi, Kenichi; Nogami, Tatsuya; and Takakura, Makoto, 4,830,880, Cl. 427-229.000.

Sato, Fumie, 4,837,339, Cl. 549-214.000.

Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,839,361, Cl. 514-252.000.

Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamikawaji, Yoshimasa; and Tanaka, Sakuya, 4,843,076, Cl. 514-252.000.

Seto, Kiyotomo; Matsumoto, Hiroo; and Sakoda, Ryozo, 4,879,400, Cl. 558-83.000.

Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,885,284, Cl. 514-89.000.

Taniguchi, Masakazu; Hirose, Masayoshi; Baba, Masatoshi; Hirata, Kiminori; and Ochiai, Yoshinori, 4,877,787, Cl. 514-247.000.

Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.

Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.

Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, 4,881,965, Cl. 71-92.000.

Nissan Design International, Inc.: *See*—

Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., 4,801,174, Cl. 296-216.000.

Hirshberg, Gerald P.; Mrozowski, Joseph E.; and Ball, Stephen D., 4,852,938, Cl. 296-214.000.

Nissan Motor Company, Limited: *See*—

Abe, Kazuyoshi; and Yazaki, Kazuhiko, 4,837,904, Cl. 29-34.00R.

Abe, Noriyuki; and Okada, Kazuyoshi, 4,811,015, Cl. 340-825.070.

Abe, Yuuichi; Seko, Yasutoshi; and Tsuda, Hiroshi, 4,846,555, Cl. 350-276.00R.

Abo, Toshimi, 4,802,455, Cl. 123-425.000.

Aihara, Tsutomu; and Muraishi, Masakazu, 4,821,991, Cl. 248-430.000.

Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,872,701, Cl. 280-703.000.

Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,888,696, Cl. 364-424.050.

Aoki, Hiroyuki; Yahagi, Shinichiro; and Saito, Takanobu, 4,840,073, Cl. 73-862.360.

Arai, Hideo; and Ookawara, Kenzi, 4,813,702, Cl. 280-688.000.

Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-7[illegible].00B.

Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, 4,833,373, Cl. 318-114.000.

Edo, Shouichi; and Aoki, Hiroyuki, 4,823,620, Cl. 73-862.360.

Endo, Motonori; and Minakami, Hiroshi, 4,880,307, Cl. 356-375.000.

Etoh, Yoshiyuki, 4,829,438, Cl. 364-426.040.

Etoh, Yoshiyuki; and Takase, Sadao, 4,870,584, Cl. 364-426.040.

Fujii, Hiroshi; and Takahashi, Atsushi, 4,860,494, Cl. 49-493.000.

Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.

Fujiki, Hiroyuki; and Fukumoto, Masumi, 4,807,920, Cl. 296-37.800.

Fujiki, Hiroyuki; Michiura, Yoshiharu; and Inoue, Kiyoshi, 4,874,645, Cl. 428-31.000.

Fujiki, Norio; Ishikawa, Masahiro; Kawagishi, Masao; and Hayashi, Takatoshi, 4,866,376, Cl. 324-160.000.

Fujioka, Kazuyoshi; and Shori, Kaoru, 4,813,522, Cl. 192-70.200.

Fujisawa, Eiichi, 4,864,999, Cl. 123-492.000.

Fujiwara, Yasuhiko; Abe, Toshiro; Hashimoto, Atsunori; Nakazawa, Shinsuke; Nagano, Masami; and Atago, Takeshi, 4,887,573, Cl. 123-422.000.

Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, 4,848,790, Cl. 280-707.000.

Fukushima, Masao, 4,865,395, Cl. 303-87.000.

Fukushima, Naoto; Yamaguchi, Hirotsugu; and Akatsu, Yohsuke, 4,801,155, Cl. 280-707.000.

Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, 4,865,347, Cl. 280-707.000.

Furubayashi, Tadashi; Yamada, Kazuo; and Fujitani, Hitoshi, 4,838,606, Cl. 296-188.000.

Furukawa, Kusuo; and Fujiwara, Teruo, 4,795,681, Cl. 428-600.000.

Furuya, Osamu; and Taguchi, Hiromi, 4,860,860, Cl. 1[illegible]8-77.00R.

Futami, Toru, 4,821,262, Cl. 370-85.000.

Hanai, Toshimichi, 4,844,546, Cl. 297-416.000.

Hanaoka, Motoyoshi; and Nakamura, Akira, 4,856,477, Cl. 123-399.000.

Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; and Yamanaka, Hiroshi, 4,865,348, Cl. 280-707.000.

Hara, Junichiro; Ogihara, Yoshiyuki; and Takahashi, Hideo, 4,875,624, Cl. 236-49.500.

Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, 4,860,211, Cl. 364-431.050.

Hayasaki, Koichi; and Sugano, Kazuhiko, 4,807,496, Cl. 74-866.000.

Hayasaki, Koichi; and Sugano, Kazuhiko, 4,843,920, Cl. 74-869.000.

Hayasaki, Koichi; and Sugano, Kazuhiko, 4,867,194, Cl. 137-118.000.

Hayasaki, Koichi, 4,876,925, Cl. 74-868.000.

Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.

Hayashi, Yoshimasa; and Tamazawa, Tsuyoshi, 4,878,460, Cl. 123-195.00A.

Hiraiwa, Kazuyoshi, 4,802,385, Cl. 74-758.000.

Hiraiwa, Kazuyoshi, 4,805,484, Cl. 74-665.00T.

Hiraiwa, Kazuyoshi, 4,823,628, Cl. 74-330.000.

Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,093, Cl. 410-107.000.

Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,094, Cl. 410-107.000.

Hirosaki, Naoto; and Okada, Akira, 4,810,678, Cl. 501-97.000.

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Honma, Masayuki; and Masatate, Akihiko, 4,889,083, Cl. 12[illegible] 52.0MV.

Ichinose, Hisao, 4,881,773, Cl. 296-216.000.

Igari, Naoto; Yamamoto, Noriyuki; and Sakata, Tetshin, 4,858,667, Cl. 157-1.100.

Ikeda, Hiroshi, 4,827,122, Cl. 250-231.0SE.

Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, 4,825,833, Cl. 123-435.000.

Imajo, Minoru; and Kawakita, Tsunehiro, 4,839,831, Cl. 364-550.000.

Inoue, Hiroshi, 4,821,562, Cl. 73-119.00A.

Inoue, Ryuzaburou, 4,796,204, Cl. 364-550.000.

Ishido, Takao; Sasaki, Shougo; and Takahashi, Takao, 4,838,321, Cl. 139-20.000.

Ishigami, Kazuhiro, 4,834,047, Cl. 123-416.000.

Ishigami, Kazuhiro, 4,881,494, Cl. 123-41.120.

Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawagoe, Kenji, 4,828,065, Cl. 180-142.000.

Ishii, Katsumi; and Matsuoka, Yoshio, 4,828,283, Cl. 280-91.000.

Ishii, Shigeru, 4,881,627, Cl. 192-0.076.

Ishikawa, Yoshikazu, 4,856,417, Cl. 92-233.000.

Ishizuka, Satoshi, 4,822,097, Cl. 296-216.000.

Ito, Ken; and Yasuno, Yoshiki, 4,809,181, Cl. 364-426.010.

Ito, Ken; and Kawabe, Taketoshi, 4,830,127, Cl. 180-79.100.

Ito, Ken; and Inoue, Naohiko, 4,834,204, Cl. 180-140.000.

Ito, Ken; and Kawabe, Taketoshi, 4,872,116, Cl. 364-424.050.

Iwanaga, Kazuyoshi; and Yamaguchi, Toshio, 4,836,052, Cl. 74-759.000.

Kakimoto, Toshihiko; and Osawa, Satoshi, 4,809,960, Cl. 267-142.000.

Kakimoto, Toshihiko; Murakami, Takuya; and Morita, Shinichi, 4,810,002, Cl. 280-666.000.

Kanda, Ryouji, 4,854,561, Cl. 267-140.100.

Kanegae, Hidetoshi; Tomikashi, Minoru; and Hino, Akira, 4,839,811, Cl. 364-424.030.

Kanesaki, Nobukazu, 4,881,369, Cl. 60-285.000.

Karibe, Tamiharu; and Kunii, Noboru, 4,854,079, Cl. 49-479.000.

Kasai, Junichi; Imai, Hiroshi; and Yanagishima, Takayuki, 4,866,776, Cl. 381-24.000.

Kataoka, Sachiro; and Tsutsumi, Shunsaku, 4,835,407, Cl. 307-10.500.

Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,836,323, Cl. 180-270.000.

Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,844,507, Cl. 280-802.000.

Kataoka, Sachiro, 4,866,345, Cl. 315-84.000.

Kato, Shinichi; and Inaba, Shigemitsu, 4,804,341, Cl. 439-733.000.

Kawabe, Taketoshi; and Ito, Ken, 4,840,389, Cl. 280-91.000.

Kawagoe, Kenji; Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawabata, Kazunobu, 4,827,416, Cl. 364-424.050.

Kawai, Kouji; Matsumoto, Eiichi; and Teramoto, Masahiko, 4,832,349, Cl. 277-12.000.

Kawai, Mikio; Miyagi, Harutoshi; and Ura, Mikio, 4,801,195, Cl. 350-357.000.

Kawamura, Yoshihisa, 4,821,194, Cl. 364-431.080.

Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.

Kitano, Masaru, 4,831,981, Cl. 123-198.00E.

Kitaura, Kazuhiko; Ugawa, Satoru; and Ogawa, Kouzi, 4,819,381, Cl. 49-493.000.

Kobayashi, Hiroshi; and Obayashi, Hiroaki, 4,796,726, Cl. 181-123.000.

Kobayashi, Hiroshi; and Ohbayashi, Hiroaki, 4,800,751, Cl. 73-118.100.

Kobayashi, Hiroshi; and Ichikawa, Toshiro, 4,862,063, Cl. 324-61.00P.

Kobayashi, Masayuki; and Takiguchi, Masahiro, 4,881,429, Cl. 74-867.000.

Kobayashi, Satoshi; and Kato, Koji, 4,884,668, Cl. 192-4.00A.

Kokuryo, Yoshiki; Kataoka, Sachiro; Inaba, Tomokazu; Terunuma, Kazuyoshi; and Asano, Toshiharu, 4,839,532, Cl. 307-10.300.

Komatsu, Hiroshi, 4,802,820, Cl. 415-201.000.

Kondo, Nobuaki; and Ishimaru, Kiichiro, 4,829,644, Cl. 29-91.100.

Kondo, Nobuaki; and Yamazaki, Shinichi, 4,837,881, Cl. 5-464.000.

Kondo, Nobuaki, 4,881,767, Cl. 292-221.000.

Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, 4,838,563, Cl. 280-840.000.

Konishi, Junkichi; and Shiraishi, Yasuhiro, 4,877,263, Cl. 280-[illegible]7.000.

Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000.

Kubo, Jun, 4,876,650, Cl. 364-426.020.

Kumasaka, Hideyuki; Takao, Kouji; and Kuriyama, Hiroshi, 4,881,756, Cl. 280-785.000.

Kumura, Haruyoshi, 4,803,899, Cl. 74-866.000.

Kumura, Haruyoshi, 4,823,267, Cl. 364-424.100.

Kumura, Haruyoshi, 4,836,054, Cl. 74-866.000.

Kumura, Haruyoshi, 4,846,019, Cl. 74-864.000.

Kumura, Haruyoshi, 4,853,858, Cl. 364-424.100.

Kurami, Kunihiko; and Akutagawa, Kiyoshi, 4,797,835, Cl. 364-513.000.

Kurihara, Kenji, 4,876,911, Cl. 74-502.100.

Kuroki, Junsuke; Takahashi, Tohru; and Ito, Ken, 4,796,911, Cl. 280-689.000.

Kurora, Tomotaka; and Kataoka, Sachiro, 4,890,038, Cl. 315-82.000.

Maeda, Ryoji, 4,886,314, Cl. 296-192.000.

Maekawa, Junichi; Ugawa, Satoru; and Obuchi, Satoshi, deceased, 4,823,512, Cl. 49-352.000.

Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.

Makihara, Novuo; Ono, Hiroshi; and Kawamura, Norimasa, 4,878,865, Cl. 440-66.000.

Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, 4,858,071, Cl. 361-386.000.

Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,881,497, Cl. 123-90.340.

Matsuda, Toshiro, 4,805,103, Cl. 364-426.020.

Matsuda, Toshiro, 4,809,182, Cl. 364-426.020.

Matsuda, Toshiro, 4,852,951, Cl. 303-109.000.

Matsuda, Toshiro, 4,862,364, Cl. 364-424.010.

Matsumoto, Eiichi, 4,879,981, Cl. 123-198.00C.

Matsuoka, Toshimitsu, 4,830,416, Cl. 293-120.000.

Matsushita, Tsutomu; and Mihara, Teruyoshi, 4,862,233, Cl. 357-23.400.

Matsushita, Tsutomu, 4,881,107, Cl. 357-23.400.

Matsushita, Tsutomu, 4,881,112, Cl. 357-47.000.

Mihara, Teruyoshi, 4,803,532, Cl. 357-234.000.

Mihara, Teruyoshi, 4,823,172, Cl. 357-15.000.

Mihara, Teruyoshi, 4,836,025, Cl. 73-517.00R.

Miwa, Kazunori, 4,877,968, Cl. 250-484.100.

Miyagi, Harutoshi; and Ishikawa, Masazumi, 4,832,467, Cl. 350-357.000.

Miyazaki, Kenichi; Nakamura, Katsumi; Hagiwara, Taro; and Inoue, Keizo, 4,836,600, Cl. 296-197.000.

Miyazaki, Kenichi; Nakamura, Katsumi; and Hagiwara, Taro, 4,883,309, Cl. 296-194.000.

Miyazaki, Kenichi; and Morigaki, Tadahiko, 4,883,310, Cl. 296-210.000.

Miyoshi, Makato; Uchida, Koh; and Kurihara, Takashi, 4,830,131, Cl. 180-141.000.

Miyoshi, Makoto, 4,830,130, Cl. 180-141.000.

Mochida, Haruo; and Asano, Yasushi, 4,798,160, Cl. 116-28.100.

Mori, Yasushi, 4,868,753, Cl. 364-424.100.

Morita, Tatsuo, 4,819,171, Cl. 364-431.080.

Morita, Tatsuo; Hidaka, Terufumi; and Kashimura, Yuichi, 4,819,603, Cl. 123-425.000.

Motohashi, Yoshio, 4,805,323, Cl. 37-254.000.

Munakata, Kiyohiko; and Nishimura, Shinichi, 4,817,904, Cl. 248-429.000.

Muraishi, Masakazu; Hashimoto, Akihiro; and Otsuka, Kenro, 4,848,795, Cl. 280-801.000.

Murakami, Hideto; and Kitamura, Terukiyo, 4,840,255, Cl. 188-73.350.

Murakami, Koichi, 4,819,044, Cl. 357-23.400.

Murakami, Koichi, 4,819,045, Cl. 357-23.400.

Murakami, Koichi, 4,838,088, Cl. 73-724.000.

Murakami, Koichi, 4,869,107, Cl. 73-517.00R.

Murakami, Takuya; and Kamimoto, Toshihiko, 4,802,688, Cl. 280-666.000.

Murakami, Takuya, 4,875,703, Cl. 280-665.000.

Murakami, Takuya; Kato, Yoichiro; and Terauchi, Kenji, 4,883,287, Cl. 280-665.000.

Muranaka, Shigeo; Kamegaya, Shigeru; Yoshimura, Tooru; and Matayoshi, Yutaka, 4,825,822, Cl. 123-90.440.

Muranaka, Shigeo; Ohkawa, Kouzaburou; Yokoyama, Junichi; Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,873,953, Cl. 123-308.000.

Murata, Kazuo; Togo, Shigeru; and Furuta, Masamichi, 4,817,748, Cl. 180-79.100.

Muro, Hideo, 4,816,880, Cl. 357-22.000.

Muro, Hideo, 4,841,138, Cl. 250-209.000.

Muro, Hideo, 4,877,951, Cl. 250-211.00J.

Murota, Kazuya, 4,838,764, Cl. 418-170.000.

Murota, Kazuya, 4,850,832, Cl. 418-170.000.

Nagaishi, Hatsuo, 4,841,937, Cl. 123-492.000.

Nagaishi, Hatsuo, 4,852,538, Cl. 123-492.000.

Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.

Nagase, Kazuo; Tagaki, Toshio; Endo, Takayoshi; Murofushi, Satoru; and Yamamoto, Masayuki, 4,828,507, Cl. 439-206.000.

Nagashima, Hideyuki; Obara, Hideo; and Kimituka, Akira, 4,807,715, Cl. 180-268.000.

Naito, Genpei, 4,846,298, Cl. 180-233.000.

Naito, Genpei, 4,874,056, Cl. 180-233.000.

Naito, Genpei, 4,887,689, Cl. 180-233.000.

Nakadozono, Hiroshi; and Mori, Yusuke, 4,872,415, Cl. 116-288.000.

Nakagawa, Toyoaki, 4,825,837, Cl. 123-489.000.

Nakajima, Masao; Kobayashi, Takeo; and Yonehara, Shigeki, 4,830,908, Cl. 428-246.000.

Nakamura, Akira; Hanaoka, Motoyoshi; and Sugimoto, Tatsuo, 4,800,773, Cl. 74-500.500.

Nakamura, Masatoshi, 4,872,731, Cl. 303-93.000.

Nakamura, Shigeru, 4,807,923, Cl. 296-146.000.

Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.

Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
Nakano, Masaki; and Kumura, Haruyoshi, 4,829,433, Cl. 364-424.100.
Nakayama, Okihiko; Itoh, Toshiyuki; and Ueno, Hiroshi, 4,796,189, Cl. 364-449.000.
Nakayama, Takashi; Hisatomi, Takashi; and Ura, Shyouzabu, 4,813,687, Cl. 277-26.000.
Nanyoshi, Yasutoshi; and Oshiage, Katsunori, 4,800,860, Cl. 123-492.000.
Narita, Yasushi, 4,845,618, Cl. 364-424.100.
Nasu, Tetsuji; and Shiina, Jun, 4,874,200, Cl. 296-197.000.
Nemoto, Toshikazu; and Nakazawa, Shinsuke, 4,875,446, Cl. 123-339.000.
Nishimura, Shinichi, 4,818,022, Cl. 297-473.000.
Nojiri, Hidetoshi; and Nakamura, Masahi, 4,828,644, Cl. 156-345.000.
Nojiri, Hidetoshi; and Hirayama, Ryuta, 4,836,888, Cl. 156-647.000.
Nose, Toshimitsu; Ohashi, Toshio; and Doi, Koichi, 4,825,756, Cl. 98-2.000.
Ogawa, Toshimitsu; and Kudo, Shinichi, 4,801,282, Cl. 440-84.000.
Ohashi, Toshio, 4,884,780, Cl. 251-11.000.
Ohkawara, Masaru; and Kishi, Norimasa, 4,870,594, Cl. 364-474.240.
Ohzora, Takashi; Otsuka, Yoshio; and Hoshino, Kazuo, 4,808,275, Cl. 204-16.000.
Oikawa, Akio; and Narita, Masanori, 4,834,422, Cl. 280-751.000.
Okada, Kazuyoshi, 4,809,266, Cl. 370-85.000.
Okada, Makoto, 4,800,720, Cl. 60-313.000.
Okada, Tadashi; Furukawa, Yuuji; and Murata, Makoto, 4,838,120, Cl. 74-711.000.
Okamoto, Mitsuyuki, 4,886,291, Cl. 280-707.000.
Oshiage, Katsunori; and Kumura, Haruyoshi, 4,853,857, Cl. 364-424.100.
Oshidari, Toshikazu; Hattori, Noboru; and Kato, Yoshiaki, 4,840,261, Cl. 192-106.00F.
Ozaki, Yoichi; Yukawa, Shinjiro; Ide, Takanobu; and Tsuji, Masami, 4,809,799, Cl. 180-292.000.
Saitoh, Hiroshi; Noso, Kazunori; Kurami, Kunihiko; and Kishi, Norimasa, 4,819,169, Cl. 364-424.020.
Sakagami, Atsushi; Futami, Toru; Abe, Noriyuki; and Suzuki, Tadashi, 4,799,218, Cl. 370-85.000.
Sakata, Tetshin; Kuzuu, Kazuto; Ito, Hideo; and Oouchi, Akira, 4,819,980, Cl. 296-35.100.
Sanbuichi, Hiroshi; Terasaka, Katsunori; and Nakagawa, Toyoaki, 4,870,937, Cl. 123-488.000.
Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, 4,858,899, Cl. 267-219.000.
Sasaki, Michiaki; Mochida, Haruo; and Nasu, Tetsuzi, 4,815,436, Cl. 123-520.000.
Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137-143.000.
Sasaki, Michiaki, 4,836,402, Cl. 220-85.0VS.
Sasaki, Michiaki; and Yamamoto, Kiyokazu, 4,838,307, Cl. 137-574.000.
Satoh, Hiroshi; and Abo, Toshimi, 4,825,832, Cl. 123-425.000.
Satoh, Hiroshi; and Abo, Toshimi, 4,848,299, Cl. 123-425.000.
Segoshi, Toru, 4,868,726, Cl. 362-308.000.
Shibahata, Yasuji; Fukunaga, Yukio; Tsubota, Yasumasa; Uno, Takaaki; and Okuyama, Yuji, 4,878,557, Cl. 180-140.000.
Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; and Kawakami, Yasushi, 4,823,140, Cl. 343-713.000.
Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.
Shinzawa, Motohiro; and Sekiya, Yoshiki, 4,881,501, Cl. 123-279.000.
Shinzawa, Motohiro; and Kanesaki, Nobukazu, 4,887,427, Cl. 60-286.000.
Shiraishi, Yasuhiro; and Nagamine, Yoshinori, 4,881,019, Cl. 318-68.000.
Sugano, Kazuhiko, 4,867,014, Cl. 74-868.000.
Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
Sugino, Masaru; and Matsui, Shinichi, 4,867,263, Cl. 180-291.000.
Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
Suzuki, Kouichi; Kobayashi, Kyoji; and Konishi, Kiyoshi, 4,829,437, Cl. 364-426.040.
Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.
Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Dan, Takuya, 4,872,650, Cl. 267-140.100.
Taguchi, Hiromi, 4,805,474, Cl. 74-404.500.
Taguchi, Hiromi; and Iwanaga, Kazuyoshi, 4,823,637, Cl. 74-606.00R.
Tahara, Hideo; Makihara, Novuo; and Ono, Hiroshi, 4,889,507, Cl. 440-61.000.
Takada, Yutaka; Doi, Koichi; Yamazaki, Tsutomu; and Obata, Yutaka, 4,856,710, Cl. 236-13.000.
Takagi, Michitoshi; Asano, Takaaki; and Yamada, Tsuguhiro, 4,810,022, Cl. 296-180.500.
Takahashi, Hiroshi, 4,841,815, Cl. 74-866.000.
Takahashi, Hiroshi; and Ishikawa, Yasuki, 4,842,342, Cl. 303-102.000.
Takahashi, Hiroshi, 4,887,575, Cl. 123-435.000.
Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.
Takai, Hideo; and Fukuhara, Hiroshige, 4,804,964, Cl. 342-389.000.
Takai, Ryoji, 4,874,651, Cl. 428-81.000.
Takase, Sadao; Takeda, Hitoshi; and Isobe, Osamu, 4,798,105, Cl. 74-866.000.
Takeda, Masaru; and Tabata, Toshiyuki, 4,884,789, Cl. 267-140.100.
Takeda, Yoshimitsu; Mochida, Haruo; Iwasaki, Tsutomu; and Kanai, Toshio, 4,871,994, Cl. 340-457.000.
Takeuchi, Mikio; Nakano, Kinichiro; Mitamura, Kenichi; and Tomoda, Takahisa, 4,873,530, Cl. 343-711.000.
Tamura, Hideyuki, 4,884,547, Cl. 123-489.000.
Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 269-34.000.
Tamura, Minoru; Murakami, Terukiyo; Inoue, Hideaki; and Iwata, Toru, 4,866,618, Cl. 364-431.030.
Tamura, Minoru; Katayose, Shinji; Murakami, Terukiyo; and Izumi, Hisashi, 4,879,657, Cl. 364-431.070.
Tanaka, Toshiaki, 4,884,538, Cl. 123-263.000.
Tanaka, Yoshimasa; and Tasaki, Yutaka, 4,884,400, Cl. 60-323.000.
Tateyama, Masayuki; and Tsutsui, Ryuji, 4,842,102, Cl. 188-24.210.
Todoroki, Masaki; Watanabe, Masasi; and Aoki, Hiroyuki, 4,833,926, Cl. 73-862.040.
Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, 4,873,475, Cl. 318-489.000.
Tsuchida, Hirofumi; Tanaka, Toshiaki; Oyamada, Akira; and Hirao, Sumio, 4,875,444, Cl. 123-270.000.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makato, 4,844,126, Cl. 137-625.210.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,846,296, Cl. 180-140.000.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,852,462, Cl. 91-375.00A.
Uchida, Koh; and Kurihara, Takashi, 4,860,635, Cl. 91-375.00A.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,860,846, Cl. 180-141.000.
Uchida, Koh; Kurihara, Takashi; Miyoshi, Makoto; and Kai, Hirohide, 4,862,985, Cl. 180-141.000.
Uchida, Koh, 4,865,147, Cl. 180-141.000.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,875,542, Cl. 180-142.000.
Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, 4,884,648, Cl. 180-142.000.
Uchino, Kenji; and Ohnishi, Kazumasa, 4,857,791, Cl. 310-321.000.
Uchiyama, Hirao; and Taguchi, Hiromi, 4,881,659, Cl. 220-319.000.
Uetake, Masami; and Takada, Toshiaki, 4,827,792, Cl. 74-473.00R.
Uno, Takaaki; Yamahata, Hiroshi; and Chiba, Kazuo, 4,889,328, Cl. 267-293.000.
Watanuki, Hitoshi, 4,806,904, Cl. 340-103.000.
Yajima, Junichi, 4,865,000, Cl. 123-520.000.
Yakuyama, Takashi; and Ueda, Toshiaki, 4,882,527, Cl. 318-568.130.
Yamada, Tomiharu; Shizuta, Atsushi; Shirata, Tomonori; and Kondo, Tetsuro, 4,805,581, Cl. 123-519.000.
Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.
Yamagishi, Jun; Nishikawa, Hiromitsu; and Yokoo, Toshio, 4,848,031, Cl. 49-280.000.
Yamaguchi, Toshio, 4,881,628, Cl. 192-85.0AA.
Yamamoto, Toshihiro, 4,801,237, Cl. 414-428.000.
Yamamoto, Yukio, 4,857,754, Cl. 307-10.800.
Yamamuro, Sigeaki; and Kumura, Haruyoshi, 4,819,514, Cl. 74-868.000.
Yao, Kenji; and Mihara, Teruyoshi, 4,805,008, Cl. 357-42.000.
Yasuda, Makoto; and Shimamura, Hiroshi, 4,833,882, Cl. 60-276.000.
Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.
Yokoi, Yoshihiko; Kawai, Kazuo; Onda, Youkichi; and Mochizuki, Masaki, 4,843,708, Cl. 29-407.000.
Yokokawa, Kazunori, 4,830,026, Cl. 131-231.000.
Yoneyama, Shuuichi, 4,838,228, Cl. 123-425.000.
Yoshimoto, Yoshiaki, 4,887,839, Cl. 280-690.000.
Yoshizawa, Katsuyuki; and Sawada, Tsutomu, 4,848,505, Cl. 180-197.000.
Yuzawa, Haruo; and Seimiya, Yasuo, 4,829,960, Cl. 123-339.000.
Nissan Motor Sales Co., Ltd.: *See—*
  Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, 4,848,142, Cl. 73-117.000.
Nissan Shatai Company, Limited: *See—*
  Kobayashi, Satoshi; and Kato, Koji, 4,884,668, Cl. 192-4.00A.
  Kobayashi, Shinma, 4,819,715, Cl. 165-16.000.
Nissan Shoji Co., Ltd.: *See—*
  Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, 4,849,279, Cl. 428-224.000.
Nissei ASB Machine Co., Ltd.: *See—*
  Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,797,084, Cl. 425-533.000.

  Nakamura, Yoshinori; Koga, Kouhei; Kosuge, Satoru; and Fukunishi, Yoshihiro, 4,846,661, Cl. 425-522.000.
Nissei Jushi Kogyo Kabushiki Kaisha: *See—*
  Miyahara, Masaaki; Matsui, Atsuo; Shimizu, Koh; Ihara, Hirokazu; and Miyazawa, Teruo, 4,834,638, Cl. 425-116.000.
  Miyairi, Kazuki, 4,867,668, Cl. 425-192.00R.
  Shima, Yoshiharu, 4,865,537, Cl. 425-590.000.
  Shimizu, Junichi; and Nakajoh, Tadashi, 4,879,077, Cl. 264-40.100.
  Takada, Minoru, 4,861,259, Cl. 425-451.200.
Nissei Opto Co., Ltd.: *See—*
  Mase, Osamu, 4,833,547, Cl. 358-296.000.
Nissei Plastics Industrial Co., Ltd.: *See—*
  Shimizu, Miyuki; and Yamazaki, Yoshihiko, 4,851,170, Cl. 264-40.500.
  Shimizu, Miyuki; and Yamazaki, Yoshihiko, 4,851,171, Cl. 264-40.500.
Nissels, Robert, to Societe Berthoud S.A. Connecting rod assemblies intended for the reciprocating driving of a piston inside a cylinder. 4,802,382, 2-7-89, Cl. 74-579.00R.
Nissels, Robert, to Berthoud S.A. Rotatable nozzle assembly for sprayers. 4,838,490, 6-13-89, Cl. 239-333.000.
Nissen Chemical Industry Co., Ltd.: *See—*
  Nakahashi, Sumio; Miyamae, Fumihiko; and Seike, Nobuki, 4,830,899, Cl. 428-137.000.
Nissen Corporation: *See—*
  Kohmura, Kisaburo; Nishi, Haruo; and Takagi, Masanari, 4,830,278, Cl. 99-468.000.
  Sugimoto, Isao; and Kasai, Tomoaki, 4,854,137, Cl. 68-15.000.
Nissen, Harry S.: *See—*
  Thomsen, Flemming; Nissen, Harry S.; Ravn, Kjeld; and Dixen, Carl C., 4,870,892, Cl. 91-361.000.
Nissen, Rudy: *See—*
  Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,815,100, Cl. 372-58.000.
  Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,846,440, Cl. 251-129.170.
Nissen, Steven L., to Iowa State University Research Foundation, Inc. Immunomodulator for improving commercial performance of domestic animals. 4,835,185, 5-30-89, Cl. 514-557.000.
Nissen, Steven L., to Iowa State University Research Foundation, Inc. Raising chickens for meat production with ketoisocaproate-containing feeds. 4,88[illegible],817, 11-28-89, Cl. 514-557.000.
Nissha Printing Co., Ltd.: *See—*
  Hashimura, Yasuhiro; Noguchi, Satoshi; and Minami, Nobuyuki, 4,841,857, Cl. 101-158.000.
Nisshin Chemical Co., Ltd.: *See—*
  Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, 4,874,830, Cl. 526-318.400.
Nisshin Chemicals Co., Ltd.: *See—*
  Shinkai, Hiroshi; and Kishiye, Takao, 4,829,082, Cl. 514-458.000.
Nisshin-DCA Foods, Inc.: *See—*
  Shimamura, Akira, 4,882,178, Cl. 426-27.000.
Nisshin Engineering Co., Ltd.: *See—*
  Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, 4,824,030, Cl. 241-39.000.
Nisshin Flour Milling Co., Ltd.: *See—*
  Endo, Shigeru; Negishi, Yoshie; and Shiiba, Kiwamu, 4,871,577, Cl. 426-653.000.
  Endo, Shigeru; Nomura, Satoshi; Ishigami, Shinji; and Karibe, Sonoko, 4,879,133, Cl. 426-653.000.
  Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, 4,824,030, Cl. 241-39.000.
  Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.
  Maeda, Koji; and Oka, Osamu, 4,806,626, Cl. 530-375.000.
  Mori, Kenji; and Tsuji, Masahiro, 4,814,468, Cl. 549-336.000.
  Mori, Kenji; and Tsuji, Masahiro, 4,871,869, Cl. 556-436.000.
  Mori, Kenji; and Tsuji, Masahiro, 4,885,246, Cl. 435-123.000.
  Moriyama, Osamu; Fujita, Akio; and Saito, Hiroshi, 4,816,281, Cl. 426-144.000.
  Sato, Kiyoshi; Morimoto, Yasunori; Sugibayashi, Kenji; and Ueno, Masao, 4,832,954, Cl. 424-449.000.
  Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, 4,877,797, Cl. 514-314.000.
  Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, 4,886,803, Cl. 514-252.000.
  Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, 4,857,529, Cl. 514-255.000.
  Takahashi, Toshihiro; Nakamaru, Koichi; Suzuki, Yoshikuni; and Horaguchi, Tatsuo, 4,829,069, Cl. 514-259.000.
  Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,833,144, Cl. 514-259.000.
  Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,861,780, Cl. 514-259.000.
  Uekama, Kaneto; Tahara, Yoshiyuki; Ijitsu, Takanori; and Yamada, Tadashi, 4,869,904, Cl. 424-400.000.
Nisshin Kogyo Kabushiki Kaisha: *See—*
  Karashima, Etsuo, 4,806,072, Cl. 414-786.000.
Nisshin Oil Mills, Ltd., The: *See—*
  Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,886,612, Cl. 252-49.500.
  Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,889,648, Cl. 252-49.500.
  Seto, Akira, 4,871,666, Cl. 435-134.000.
  Taguchi, Gyota, 4,814,196, Cl. 426-643.000.
  Watanabe, Souichirou; and Seto, Akira, 4,831,020, Cl. 514-54.000.
Nisshin Steel Co., Ltd.: *See—*
  Deguchi, Takenori; Suzuki, Masaru; Watanabe, Sanae; and Uchida, Kazuko, 4,818,568, Cl. 427-226.000.
  Hirotsu, Sadao; Hoshino, Kazuo; and Nakamura, Sadayuki, 4,847,168, Cl. 428-634.000.
  Hoshino, Kazuo; Miyakusu, Katsuhisa; and Shimizu, Isami, 4,824,635, Cl. 420-42.000.
  Hoshino, Kazuo; Hirotsu, Sadao; and Nakamura, Sadayuki, 4,849,166, Cl. 420-58.000.
  Hoshino, Kazuo; and Igawa, Takashi, 4,878,955, Cl. 148-12.00E.
  Katayama, Kiichiro; Meada, Yasuharu; Wakabayashi, Koji; and Murakami, Toshinori, 4,830,877, Cl. 427-127.000.
  Katayama, Kiichiro; Masuhara, Kenichi; Maeda, Yasuharu; and Wakabayashi, Koji, 4,844,753, Cl. 148-251.000.
  Nakako, Takefumi; Inoue, Shoji; and Takezoe, Akinobu, 4,796,797, Cl. 228-144.000.
  Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,847,169, Cl. 428-659.000.
  Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,878,960, Cl. 148-127.000.
  Shinoda, Kenichi; Iwao, Tomoyoshi; Isayama, Tomoaki; and Higo, Yuichi, 4,873,149, Cl. 428-609.000.
  Taisuke, Irie; Junichi, Kotegawa; Koichi, Watanabe; and Satoshi, Hukuda, 4,835,066, Cl. 428-659.000.
  Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,812,176, Cl. 148-12.0EA.
  Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, 4,824,491, Cl. 148-12.0EA.
  Yamauchi, Takashi; Hasegawa, Morihiro; and Akiyama, Ryuichi, 4,811,780, Cl. 164-428.000.
Nisshinbo Industries, Inc.: *See—*
  Ichii, Masaru; Tani, Shigeru; and Fukuda, Kozo, 4,849,457, Cl. 521-62.000.
Nissho & Co., Ltd.: *See—*
  Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, 4,849,279, Cl. 428-224.000.
Nissho Corporation: *See—*
  Abe, Michiro; and Iwasa, Masanobu, 4,813,928, Cl. 604-49.000.
  Masuda, Toshiaki; Omiya, Hitoshi; and Fukui, Kiyoshi, 4,813,210, Cl. 53-425.000.
  Matsuura, Iwao, 4,838,883, Cl. 604-349.000.
  Matsuura, Iwao, 4,886,510, Cl. 604-353.000.
  Yoshida, Toshiki, 4,875,265, Cl. 29-240.000.
Nisshoku Corporation: *See—*
  Kambe, Hiroyuki, 4,826,350, Cl. 404-27.000.
  Shibata, Masashi; Hayakawa, Iwao; and Hayashibara, Tokimasa, 4,812,339, Cl. 428-15.000.
Nissimou, Jossif N.: *See—*
  Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
Nissin Electric Co., Ltd.: *See—*
  Ando, Yasunori; and Ogata, Kiyoshi, 4,828,870, Cl. 427-38.000.
  Aoki, Masahiko; Konishi, Masashi; Matsuda, Yasuhiro; and Okazaki, Naoto, 4,829,179, Cl. 250-309.000.
  Aoki, Masahiko, 4,866,272, Cl. 250-309.000.
  Nakahigashi, Takahiro; Ando, Yasunori; and Kamijo, Eiji, 4,866,746, Cl. 378-35.000.
  Nogawa, Shuichi; and Kamijo, Eiji, 4,861,750, Cl. 505-1.000.
  Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,831,212, Cl. 174-52.400.
  Ogata, Kiyoshi; Ando, Yasunori; Kamijo, Eiji; and Matsumura, Noriaki, 4,875,284, Cl. 29-830.000.
Nissin Engineering Co., Ltd.: *See—*
  Tsuchiya, Masanori; and Suzuki, Teruo, 4,805,794, Cl. 220-8.000.
Nissin Gourmet Beef Co., Ltd.: *See—*
  Sakai, Tadaaki, 4,881,379, Cl. 62-380.000.
Nissin High Voltage Co., Ltd.: *See—*
  Okamoto, Kenji; and Matsumoto, Takashi, 4,829,190, Cl. 250-492.300.
Nissin Kogyo Kabushiki Kaisha: *See—*
  Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, 4,881,449, Cl. 91-372.000.
  Okada, Shin-ichi; and Sasaki, Hiroyuki, 4,833,441, Cl. 340-450.000.
  Shinohara, Takayoshi, 4,821,623, Cl. 91-376.00R.
  Shinohara, Takayoshi, 4,887,517, Cl. 92-128.000.
  Terashima, Hideyuki; and Tsuchiya, Yasuhiko, 4,840,082, Cl. 74-523.000.
Nissin Shokuhin Kabushiki Kaisha: *See—*
  Ikeda, Masazumi; and Okabe, Susumu, 4,849,424, Cl. 514-256.000.
Nissle, Gerhard: *See—*
  Wurst, Dieter; and Nissle, Gerhard, 4,819,457, Cl. 66-146.000.
Nisso Petrochemical Industries Co., Ltd.: *See—*
  Kitamura, Satoshi; Tobita, Takashi; Kanazawa, Motoki; and Shiozaki, Masahiro, 4,803,288, Cl. 549-267.000.
Nitabaru, Masatoshi: *See—*
  Miki, Hisaya; Araki, Shintarou; and Nitabaru, Masatoshi, 4,835,325, Cl. 568-771.000.

Nitanda, Masao: *See—*
Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.
Nitecki, Danute E.; and Moreland, Margaret, to Cetus Corporation. Compound 1-(3-(2-pyridyldithio)propionamido)-12-(5-hydrazidoglutaramido)-4,9-dioxadodecane. 4,797,491, 1-10-89, Cl. 546-291.000.
Nitecki, Danute E.: *See—*
McCormick, Francis P.; Wong, Gail L.; Clark, Robin; Arnheim, Norman; and Nitecki, Danute E., 4,798,787, Cl. 435-7.000.
Nitescu, Petru: *See—*
Prabhakar, Rakesh; Benavides, A. Fernando; Nitescu, Petru; and Ebbing, Peter, 4,813,840, Cl. 414-433.000.
Nitkin, Ross A. Auxiliary cage. 4,850,306, 7-25-89, Cl. 119-15.000.
Nito, Keiichi: *See—*
Noguchi, Tsutomu; Nito, Keiichi; and Seto, Junetsu, 4,865,945, Cl. 430-192.000.
Nito, Masaaki: *See—*
Okazaki, Kei; Oshima, Etsuo; Obase, Hiroyuki; Oiji, Yoshimasa; Nito, Masaaki; and Kubo, Kazuhiro, 4,849,441, Cl. 514-414.000.
Nitoh, Toshikatsu; and Tokushige, Kazutomo, to Polyplastics Co., Ltd. Polyarylene sulfide resin composition and molded article for light reflection. 4,885,321, 12-5-89, Cl. 523-219.000.
Nitro Kemia Ipartelepek: *See—*
Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
Nitro Nobel AB: *See—*
Dahmberg, Sven; Jonsson, Elof; Lilius, Per; Olsson, Ingemar; Hesselbom, Hjalmar; and Wennergren, Rolf, 4,869,170, Cl. 102-202.500.
Nitrokemia Ipartelepek: *See—*
Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.
Nitrous Oxide Systems, Inc.: *See—*
Vaznaian, Dale L.; and Thermos, Michael J., 4,798,190, Cl. 123-531.000.
Vaznaian, Dale L.; and Thermos, Michael J., 4,827,888, Cl. 123-531.000.
Nitsch, Alfred: *See—*
Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, 4,881,003, Cl. 310-311.000.
Nitsch, Helmut: *See—*
Muskulus, Willi; Kolodziej, Helmut; and Nitsch, Helmut, 4,852,249, Cl. 29-825.000.
Nitsch, Wilhelm: *See—*
Zahn, Wolfgang; Fursich, Manfred; Nitsch, Wilhelm; Rauh, Hans-Jurgen; and Treiber, Helmut, 4,873,546, Cl. 355-38.000.
Nitsche, Klaus D.; and Zsiga, Johann P., to Durr Dental GmbH & Co KG. Compressor with balanced flywheel. 4,836,755, 6-6-89, Cl. 417-368.000.
Nitsche, Rainer; Sebralla, Bruno; and Malkmus, Rolf, to W. C. Heraeus GmbH. Laser apparatus with a multipass resonator. 4,872,179, 10-3-89, Cl. 372-93.000.
Nitschke, David B., to Glasstech International L.P. Vacuum platen for sharp bends. 4,877,437, 10-31-89, Cl. 65-287.000.
Nitschke, David B., to Glasstech International L.P. Blow back control device for a glass sheet tempering system. 4,886,540, 12-12-89, Cl. 65-351.000.
Nitschke, Karl D.: *See—*
Rasberry, Joseph D.; and Nitschke, Karl D., 4,803,654, Cl. 364-900.000.
Nitschke, Norman C.: *See—*
McMaster, Harold A.; Nitschke, Norman C.; McMaster, Dexter H.; and McMaster, Ronald A., 4,822,398, Cl. 65-273.000.
McMaster, Harold A.; Nitschke, Norman C.; McMaster, Dexter H.; and McMaster, Ronald A., 4,883,527, Cl. 65-273.000.
Nitschke, Werner; Weller, Hugo; Drobny, Wolfgang; and Taufer, Peter, to Robert Bosch GmbH. Method of monitoring an error correction of a plurality of computer apparatus units of a multi-computer system. 4,853,932, 8-1-89, Cl. 371-68.000.
Nitschke, Werner; Weller, Hugo; Drobny, Wolfgang; Taufer, Peter; and Jeenicke, Edmund, to Robert Bosch GmbH. Method and apparatus for monitoring the operation of a computer-controlled operating element, particularly triggered safety apparatus for an automotive vehicle. 4,864,202, 9-5-89, Cl. 318-560.000.
Nitschke, Wieland: *See—*
Feustel, Mattias; Frotscher, Guenter; Nitschke, Wieland; Obenauf, Dieter; Saupe, Juergen; and Weidelt, Manfred, 4,840,202, Cl. 139-425.00R.
Nitsuko Corporation: *See—*
Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, 4,805,074, Cl. 361-525.000.
Nitsuko Limited: *See—*
Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, 4,831,516, Cl. 364-700.000.
Yoshida, Tadahiro; and Hatabe, Michinori, 4,802,206, Cl. 379-158.000.
Nitta, Atsuhiko: *See—*
Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, 4,828,710, Cl. 210-675.000.
Itoh, Hiroshi; Nakagawa, Toshimi; and Nitta, Atsuhiko, 4,835,312, Cl. 564-205.000.
Nitta Co., Ltd.: *See—*
Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.
Nitta, Haruyoshi: *See—*
Hodate, Tomoshi; and Nitta, Haruyoshi, 4,830,605, Cl. 431-170.000.
Nitta, Hiroshi, to Ricoh Company, Ltd. Dual mode thermal printer. 4,814,790, 3-21-89, Cl. 346-76.0PH.
Nitta Industries Corporation: *See—*
Otsuka, Kazuhiko; and Nobiraki, Koji, 4,852,882, Cl. 273-183.00B.
Nitta, Issei: *See—*
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,880,819, Cl. 514-316.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,883,802, Cl. 514-278.000.
Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoshi; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, 4,814,507, Cl. 564-336.000.
Nitta, Katsuhisa; Watanabe, Takaji; and Suzuki, Isao, to Merck Patent Gesellschaft mit beschrankter Haftung. Water resistant nacreous pigment and process for producing the same. 4,828,623, 5-9-89, Cl. 106-450.000.
Nitta, Kazunari: *See—*
Ishiwata, Ken-ichi; Nakamura, Takeshi; Makiguchi, Nobuyoshi; Miyahara, Shoichiro; Matsumoto, Toshio; and Nitta, Kazunari, 4,879,411, Cl. 562-401.000.
Nitta, Kiyosi: *See—*
Yamakawa, Masahiro; Arai, Toyoichi; and Nitta, Kiyosi, 4,818,781, Cl. 524-407.000.
Nitta, Minoru: *See—*
Otsuka, Kenichi; and Nitta, Minoru, 4,810,285, Cl. 75-0.50B.
Nitta, Sigeyuki: *See—*
Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
Nitta, Tomio, to Tokai Corporation. Piezoelectric type lighter for use in lighting pipes. 4,810,187, 3-7-89, Cl. 431-255.000.
Nitta, Tomio, to Tokai Corporation. Valve for aerosol container to dispense a given amount of aerosol. 4,811,868, 3-14-89, Cl. 222-462.200.
Nitta, Tomio, to Tokai Corporation. Aerosol structure. 4,838,459, 6-13-89, Cl. 222-136.000.
Nitta, Tomio, to Tokai Corporation. Piezoelectric lighter equipped with a safety lock. 4,859,172, 8-22-89, Cl. 431-153.000.
Nitta, Tomio, to Tokai Corporation. Tabletop gaslighter. 4,863,373, 9-5-89, Cl. 431-255.000.
Nitta, Tomio, to Tokai Corporation. Gaslighter structure. 4,878,833, 11-7-89, Cl. 431-146.000.
Nitta, Tomio, to Tokai Corporation. Gaslighter structure. 4,878,834, 11-7-89, Cl. 431-152.000.
Nitta, Tomio, to Tokai Corporation. Gaslighter structure. 4,878,836, 11-7-89, Cl. 431-277.000.
Nitta, Tomio, to Tokai Corporation. File assembly for use in a gas lighter. 4,884,964, 12-5-89, Cl. 431-277.000.
Nitta, Tomio, to Tokai Corporation. Gaslighter structure permitting push-fit assembling of its main parts. 4,884,965, 12-5-89, Cl. 431-277.000.
Nitta, Toyohiko: *See—*
Takita, Hitoshi; Kimura, Fumihiko; Noda, Sakuo; Makaida, Yutaka; Nitta, Toyohiko; and Kobayashi, Hidetoshi, 4,841,097, Cl. 560-144.000.
Nitta, Tsuneharu: *See—*
Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, 4,814,668, Cl. 313-506.000.
Nitta, Tsuneo, to Kabushiki Kaisha Toshiba. IC card. 4,851,654, 7-25-89, Cl. 235-492.000.
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, to Kabushiki Kaisha Toshiba. Speech recognition system. 4,881,266, 11-14-89, Cl. 381-43.000.
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, to Kabushiki Kaisha Toshiba. System for continuous speech recognition through transition networks. 4,888,823, 12-19-89, Cl. 381-43.000.
Nitta, Yasuhiko; and Nakamura, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Arithmetic shifter with sign extend facility. 4,890,251, 12-26-89, Cl. 364-715.080.
Nittan Company, Ltd.: *See—*
Kimura, Tatsuo, 4,797,664, Cl. 340-693.000.
Kimura, Tetsuo, 4,831,361, Cl. 340-506.000.
Kimura, Tetsuo; and Kobayashi, Akihiro, 4,887,072, Cl. 340-691.000.
Suzuki, Takashi; and Kobayashi, Akihiro, 4,823,118, Cl. 340-693.000.
Nittani, Osamu: *See—*
Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, 4,842,743, Cl. 210-634.000.
Nittel, Fritz: *See—*
Wagner, Klaus; Sobel, Johannes; and Nittel, Fritz, 4,810,625, Cl. 430-546.000.
Nittetsu Jitsugyo Co., Ltd.: *See—*
Hamada, Takatoshi; and Huang, Wen-Ho, 4,817,737, Cl. 173-115.000.
Nittetsu Kougyo Kabushiki Kaisha: *See—*
Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.

Nitto Boseki Co., Ltd.: *See—*
Abe, Yoshihito; Yaginuma, Katsuhiro; Nagasawa, Takeshi; and Kuroiwa, Katsumasa, 4,883,863, Cl. 530-331.000.
Inoguchi, Hirokazu; and Watanabe, Shoichi, 4,865,910, Cl. 428-268.000.
Kageno, Kenji; Ueda, Toshio; and Harada, Susumu, 4,812,540, Cl. 526-218.100.
Kitamura, Tadanori; Shono, Hiroaki; and Kodama, Atsuki, 4,855,122, Cl. 423-447.100.
Kuroiwa, Katsumasa; Katayama, Katsuhiro; and Nagasawa, Takeshi, 4,861,713, Cl. 435-20.000.
Nagasawa, Takeshi; Nakamura, Yoshio; Tani, Kenji; and Kuroiwa, Katsumasa, 4,816,562, Cl. 530-331.000.
Nakazawa, Kogi; and Fujita, Toshihito, 4,840,755, Cl. 264-15.000.
Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, 4,795,674, Cl. 428-254.000.
Serizawa, Hajime; Ojima, Koichi; and Shimizu, Kiyoshi, 4,842,984, Cl. 430-197.000.
Nitto Boseki Co., Ltd: *See—*
Kittaka, Hirokazu; Nishizaki, Akihiko; and Ichijo, Toshihiro, 4,849,150, Cl. 264-258.000.
Nitto Chemical Industry Co., Ltd.: *See—*
Doi, Shunichi; and Takayanagi, Yasuyuki, 4,812,579, Cl. 548-548.000.
Kanda, Shoichi; and Kawamura, Zengiro, 4,810,786, Cl. 536-114.000.
Kiyomiya, Yutaka; Yamaguchi, Yasumasa; Ushigome, Masahiro; and Murata, Hiroshi, 4,883,897, Cl. 558-327.000.
Nakamura, Tomio; Kikuchi, Katsuaki; and Inagaki, Takeshi, 4,797,184, Cl. 204-59.00R.
Orii, Koichi; Ohshima, Iwao; and Watanabe, Naotake, 4,853,198, Cl. 423-335.000.
Sasaki, Yutaka; Nakamura, Yoshimi; Utsumi, Hiroshi; and Mori, Kunio, 4,826,802, Cl. 502-206.000.
Tazawa, Shunsuke; Kurihara, Katsuhiko; Takeuchi, Kenji; and Abe, Mitsuaki, 4,795,779, Cl. 524-598.000.
Watanabe, Ichiro; Ogawa, Yasuo; and Seki, Susumu, 4,851,342, Cl. 435-129.000.
Yoshiro, Ashina; Yamaguchi, Yasumasa; Nishida, Masashi; and Doi, Toshiaki, 4,844,809, Cl. 210-636.000.
Nitto Denko Corporation: *See—*
Abe, Yoko; Satoh, Susumu; Hori, Mitsuhiko; and Yamanaka, Naoko, 4,847,260, Cl. 514-279.000.
Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, 4,830,633, Cl. 8-160.000.
Sakuramoto, Takahumi; Kojima, Makoto; Asoshina, Eishi; and Tominaga, Takashi, 4,830,819, Cl. 419-8.000.
Nitto Electric Industrial Co., Ltd.: *See—*
Abe, Yoko; Satoh, Susumu; and Itoh, Yoshiaki, 4,863,952, Cl. 514-423.000.
Higashi, Kazumi; and Noda, Yuzuru, 4,874,834, Cl. 528-176.000.
Higashi, Kazumi; and Noda, Yuzuru, 4,876,330, Cl. 528-353.000.
Higashi, Kazumi; and Noda, Yuzuru, 4,880,895, Cl. 528-173.000.
Horiuchi, Tetsuo; and Inoue, Yuichi, 4,880,416, Cl. 604-307.000.
Ikeda, Kenichi; Yamamoto, Shouichi; and Ito, Hiroki, 4,818,387, Cl. 210-490.000.
Konishi, Toshiharu; Ushiro, Hiroyuki; and Moriyama, Takaaki, 4,844,973, Cl. 428-286.000.
Kusuda, Masataka; Fukuma, Shuji; and Nishiyama, Masaki, 4,857,192, Cl. 210-321.840.
Matsushita, Takao; Kira, Akihiko; and Ametani, Minoru, 4,865,677, Cl. 156-353.000.
Nakanishi, Masaru; Kitamura, Arata; Sakurai, Masashi; and Asanuma, Masaaki, 4,821,135, Cl. 360-132.000.
Ohtani, Akira; Abe, Masao; and Higuchi, Hiroyuki, 4,869,979, Cl. 429-191.000.
Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; Kamei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.
Senda, Shuji; and Omata, Tetsuo, 4,808,340, Cl. 260-410.900.
Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, 4,835,292, Cl. 549-423.000.
Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, 4,864,056, Cl. 560-179.000.
Nitto Glass Fiber Mfg. Co., Ltd.: *See—*
Watabe, Kenzo; Yabuki, Mitsuo; Iwama, Kazuyuki; and Yokoi, Toshihiko, 4,825,158, Cl. 324-237.000.
Watabe, Kenzo, 4,830,647, Cl. 65-2.000.
Nitto Kagaku Kogyo Kabushiki Kaisha: *See—*
Yamada, Hideaki; Enomoto, Kanehiko; and Watanabe, Ichiro, 4,880,739, Cl. 435-129.000.
Nitto Kogyo Kabushiki Kaisha: *See—*
Kubota, Shigeru; Kanou, Shoji; and Kubo, Masahiro, 4,801,044, Cl. 221-163.000.
Nitto Kohki Co., Ltd.: *See—*
Hasegawa, Tsuneo; Matsumura, Mitsuma; Hashimoto, Atsuki; and Mikiya, Toshio, 4,807,606, Cl. 128-77.000.
Hirose, Fuminori, 4,867,656, Cl. 417-550.000.
Hirose, Fuminori, 4,881,455, Cl. 92-248.000.
Kikuchi, Katsuji, 4,838,771, Cl. 417-417.000.
Kikuchi, Katsuji; Nakao, Haruki; and Mori, Tamotsu, 4,854,833, Cl. 417-417.000.
Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, 4,820,088, Cl. 408-17.000.
Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, 4,854,787, Cl. 408-17.000.
Sasa, Takeya; Kobayashi, Yoshikazu; and Makishima, Reichi, 4,875,720, Cl. 285-249.000.
Shoji, Michihiro; and Asano, Osamu, 4,824,299, Cl. 409-137.000.
Takeuchi, Hirosato; and Mikiya, Toshio, 4,827,905, Cl. 126-443.000.
Takeuchi, Hirosato; Takanaka, Akira; Nishikiori, Masanori; Nozawa, Nobuyuki; and Sato, Toshio, 4,829,889, Cl. 99-289.00P.
Takeuchi, Hirosato; Miyazaki, Osahiko; Kazama, Yasuo; and Kurihara, Naoya, 4,832,170, Cl. 198-346.100.
Tanaka, Yutaka; and Fukuda, Kenji, 4,881,857, Cl. 409-138.000.
Nitto System Technology Inc.: *See—*
Kubo, Masahiro, 4,820,369, Cl. 156-344.000.
Nittoc Constructions Co., Ltd.: *See—*
Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.
Nitz, Larry T., to Saturn Corporation. Steady state slip detection/correction for a motor vehicle transmission. 4,805,750, 2-21-89, Cl. 192-3.580.
Nitz, Rolf-Eberhard: *See—*
Bohn, Helmut; Just, Melitta; and Nitz, Rolf-Eberhard, 4,888,333, Cl. 514-212.000.
Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,845,091, Cl. 514-212.000.
Zoller, Gerhard; Beyerle, Rudi; Just, Melitta; Bohn, Helmut; Martorana, Piero; and Nitz, Rolf-Eberhard, 4,816,454, Cl. 514-211.000.
Zoller, Gerhard; Beyerle, Rudi; Schindler, Ursula; Nitz, Rolf-Eberhard; and Martorana, Piero, 4,837,225, Cl. 514-427.000.
Nitzan, Meir, to Jerusalem College of Technology. Method for carrying out blood flow measurements and a probe therefor. 4,802,489, 2-7-89, Cl. 128-691.000.
Nitzan, Meir; Elidan, Joseph; Freeman, Sharon; and Sohmer, Haim, to Yissum Research Development Company of the Hebrew University of Jerusalem. Method for examining the vestibular system and a head holder therefor. 4,848,358, 7-18-89, Cl. 128-740.000.
Nitzberg, Leonard R.; and Carmack, Paul D., to Helix Enterprises, Inc. Breakaway ball joint swivel coupling. 4,800,913, 1-31-89, Cl. 137-68.100.
Nitzberg, Leonard R.; and Carmack, Paul D., to Helix Enterprises, Inc. Dual fluid path breakaway swivel coupling. 4,827,960, 5-9-89, Cl. 137-68.100.
Nitzberg, Leonard R.; and Carmack, Paul D., to Helix Enterprises, Inc. High velocity fluid swivel joint coupling. 4,827,961, 5-9-89, Cl. 137-68.100.
Nitzberg, Leonard R.: *See—*
Manhardt, Paul D.; and Nitzberg, Leonard R., 4,844,344, Cl. 239-590.000.
Nitzinger, Karl; Gerl, Josef; Steiner, Herbert; and Hess, Helmut, to Bosch-Siemens Hausgerate GmbH. Baking oven having a lighting device with a low voltage and/or halogen bulb. 4,880,955, 11-14-89, Cl. 219-10.55R.
Nitzsche, Klaus: *See—*
Nelle, Friedrich; Lehner, Heinz; and Nitzsche, Klaus, 4,884,759, Cl. 242-7.140.
Niu, Hiromi: *See—*
Mizoguchi, Tetsuhiko; Sakai, Isao; Niu, Hiromi; and Inomata, Koichiro, 4,859,254, Cl. 148-302.000.
Niu, Joseph H. Y.: *See—*
Roling, Paul V.; Niu, Joseph H. Y.; and Reid, Dwight K., 4,810,354, Cl. 208-48.0AA.
Roling, Paul V.; and Niu, Joseph H. Y., 4,847,415, Cl. 564-367.000.
Roling, Paul V.; and Niu, Joseph H. Y., 4,883,580, Cl. 208-48.0AA.
Niv, Ron: *See—*
Shimoni, Yair; and Niv, Ron, 4,809,350, Cl. 382-56.000.
Nivarox-Far S.A.: *See—*
Meyrat, Pierre-Andre; and Oppliger, Alain, 4,842,536, Cl. 439-246.000.
Meyrat, Pierre-Andre; Oppliger, Alain; and Steiner, Denis, 4,869,116, Cl. 73-864.340.
Niven, Clarence A.: *See—*
Craighead, Lawrence W.; and Niven, Clarence A., 4,798,642, Cl. 156-252.000.
Niwa, Hideo: *See—*
Izumi, Akira; Kishi, Tomomi; and Niwa, Hideo, 4,840,417, Cl. 294-65.500.
Niwa, Hiroshi: *See—*
Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, 4,885,661, Cl. 361-321.000.
Niwa, Hitoshi: *See—*
Hayashi, Satoshi; Tomita, Masahiro; Niwa, Hitoshi; and Mukai, Hirokatsu, 4,838,233, Cl. 123-506.000.
Hori, Makoto; Ogata, Itsuhei; Niwa, Hitoshi; and Miwa, Naoto, 4,831,432, Cl. 357-67.000.
Hori, Makoto; Niwa, Hitoshi; Mukai, Hirokatsu; Nagaya, Toshiatsu; Miwa, Naoto; and Ogata, Itsuhei, 4,834,052, Cl. 123-549.000.
Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.
Niwa, Katauhito: *See—*
Shinozaki, Nobuo; Tagami, Shigeru; Tanaka, Masaki; and Niwa, Katauhito, 4,864,346, Cl. 354-439.000.

- Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, to Gunze Limited. Apparatus for cutting tubular knitted fabric. 4,872,383, 10-10-89, Cl. 83-175.000.
- Niwa, Ken: *See—*
  - Ohkita, Katsuhiko; Ogata, Kazuhiro; and Niwa, Ken, 4,882,101, Cl. 264-26.000.
- Niwa, Kiminori: *See—*
  - Kawada, Hiroyuki; and Niwa, Kiminori, 4,854,422, Cl. 187-9.00R.
- Niwa, Koichi: *See—*
  - Taniuchi, Akira; Komori, Hirohito; and Niwa, Koichi, 4,883,843, Cl. 525-327.600.
- Niwa, Masakatsu: *See—*
  - Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
- Niwa, Masatake: *See—*
  - Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, 4,847,651, Cl. 354-471.000.
  - Kawamura, Kunio; Taniguchi, Toshihiko; Oya, Tetsuro; Niwa, Masatake; Nakai, Masaaki; and Fujino, Akihiko, 4,853,726, Cl. 354-289.100.
  - Maekawa, Yukio; Metabi, Tsuneyo; and Niwa, Masatake, 4,864,341, Cl. 354-286.000.
  - Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, 4,839,687, Cl. 354-416.000.
  - Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000.
  - Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,860,046, Cl. 354-475.000.
  - Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,866,467, Cl. 354-21.000.
- Niwa, Minoru; and Hashiba, Takahiro, to Toyoda Gosei Co., Ltd. Horn switch mechanism on steering wheel. 4,808,776, 2-28-89, Cl. 200-61.550.
- Niwa, Minoru: *See—*
  - Shiraki, Kouji; Niwa, Minoru; Itou, Kuniyasu; Yamamoto, Tadashi; and Harata, Mitsuru, 4,852,907, Cl. 280-731.000.
- Niwa, Sadahiko: *See—*
  - Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.
- Niwa, Shigeo: *See—*
  - Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuchi, Hiroyasu; and Ono, Mikiya, 4,820,573, Cl. 428-228.000.
- Niwa, Susumu: *See—*
  - Ohga, Toshinari; Kuge, Raizo; and Niwa, Susumu, 4,834,245, Cl. 206-610.000.
- Niwa, Takashi: *See—*
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,816,630, Cl. 200-314.000.
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  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,873,402, Cl. 200-283.000.
  - Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.
  - Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara, Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, 4,812,960, Cl. 363-20.000.
  - Shinohara, Kenji; Niwa, Takashi; and Wakatsuki, Yoshihiro, 4,883,929, Cl. 200-5.00R.
- Niwa, Tatsuo: *See—*
  - Endo, Tatuso; and Niwa, Tatsuo, 4,824,221, Cl. 350-357.000.
- Niwa, Toshio; Himeno, Kiyoshi; Hihara, Toshio; and Maeda, Shuichi, to Mitsubishi Chemical Industries Limited. Phenylazocyanothiopheneazoaniline dyes for dyeing cellulose-containing fibers in blue to bluish green shades. 4,801,696, 1-31-89, Cl. 534-761.000.
- Niwa, Toshio; Murata, Yukichi; and Maeda, Shuichi, to Mitsubishi Chemical Industries Limited. Dye transfer sheet for sublimation heat-sensitive transfer recording. 4,829,047, 5-9-89, Cl. 503-227.000.
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- Niwa, Tutomu: *See—*
  - Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
- Niwa, Yasuo: *See—*
  - Toda, Kohji; Takahashi, Kohji; and Niwa, Yasuo, 4,835,007, Cl. 427-42.000.
- Niwa, Yoshikazu, to Mitsubishi Denki Kabushiki Kaisha. Composite magnetic head. 4,811,146, 3-7-89, Cl. 360-119.000.
- Niwa, Yoshikazu, to Mitsubishi Denki Kabushiki Kaisha. Magnetic alloy R/W head with centrally pinched and end slotted core. 4,821,134, 4-11-89, Cl. 360-122.000.
- Niwa, Yukichi: *See—*
  - Baba, Takashi; Niwa, Yukichi; Yoshii, Minoru; and Watanabe, Takako, 4,804,831, Cl. 250-201.000.
  - Baba, Takeshi; and Niwa, Yukichi, 4,872,058, Cl. 358-227.000.
  - Kushibiki, Nobuo; Nose, Noriyuki; Nakajima, Toshiyuki; Baba, Takeshi; Matsugu, Masakazu; and Niwa, Yukichi, 4,840,473, Cl. 350-484.000.
  - Nose, Noriyuki; and Niwa, Yukichi, 4,887,897, Cl. 351-233.000.
  - Yoshii, Minoru; Nose, Noriyuki; Niwa, Yukichi; and Okada, Yoshimichi, 4,842,408, Cl. 356-349.000.
- Niwano, Kazuhito; and Ikeda, Tatsuhiko, to Mitsubishi Denki Kabushiki Kaisha. Method of manufacturing a semiconductor memory device. 4,857,478, 8-15-89, Cl. 437-51.000.
- Niwano, Masahiro; and Manabe, Kenji, to Sumitomo Chemical Company, Limited. Magneto optical disk substrate comprising an aromatic vinyl monomer and a polyphenylene ether. 4,845,142, 7-4-89, Cl. 524-287.000.
- Niwayama, Kazuhiko, to Mitsubishi Denki Kabushiki Kaisha. Thyristor with aligned trigger guide. 4,797,727, 1-10-89, Cl. 357-79.000.
- Niwayama, Kazuhiko; Nakagawa, Tsutomu; Tokunoh, Futoshi; and Yoshida, Shigekazu, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,881,118, 11-14-89, Cl. 357-79.000.
- Niwayama, Toshikazu, to Kabushiki Kaisha Matsuyama Seisakusho. Anti-glare rearview assembly for motor vehicles. 4,836,648, 6-6-89, Cl. 350-281.000.
- Nix Company Ltd.: *See—*
  - Tanaka, Hiroyuki, 4,831,643, Cl. 378-169.000.
  - Tanaka, Hiroyuki, 4,853,729, Cl. 354-322.000.
- Nix, Frank H., Jr., to Delta Medical Systems, Inc. Protective face shield. 4,884,296, 12-5-89, Cl. 2-011.000.
- Nix, Herman J.; and Nix, Roger D. Portable winch. 4,884,784, 12-5-89, Cl. 254-362.000.
- Nix, Lawrence A., Jr., to United States of America, Air Force. Resolution delta gun color monitor system apparatus. 4,812,718, 3-14-89, Cl. 315-382.000.
- Nix, Michael A., to Advanced Micro Devices, Inc. Asynchronous interrupt status bit circuit. 4,862,409, 8-29-89, Cl. 364-900.000.
- Nix, Richard A.; and Regula, Paul M., to Automotive Products plc. Hydraulic cylinder structure. 4,856,416, 8-15-89, Cl. 92-169.100.
- Nix, Richard A.: *See—*
  - Leigh-Monstevens, Keith V.; and Nix, Richard A., 4,878,041, Cl. 340-479.000.
- Nix, Roger D.: *See—*
  - Nix, Herman J.; and Nix, Roger D., 4,884,784, Cl. 254-362.000.
- Nixdorf Computer AG: *See—*
  - Backhaus, Martin; Ahrens, Werner; and Lubcke, Hartmut, 4,811,336, Cl. 370-67.000.
  - Bogdanski, Michael, 4,803,583, Cl. 360-128.000.
  - Brockmann, Werner, 4,818,902, Cl. 307-465.000.
  - Brockmann, Werner, 4,868,426, Cl. 307-465.000.
  - Brockmann, Werner, 4,874,968, Cl. 307-303.000.
  - Dobring, Wilfried; and Gull, Peter, 4,822,189, Cl. 400-208.000.
  - Esser, Wolfgang; and Jung, Peter, 4,878,009, Cl. 323-275.000.
  - Esser, Wolfgang; and Jung, Peter, 4,890,095, Cl. 340-657.000.
  - Fuchs, Erich, 4,843,535, Cl. 363-71.000.
  - Joachim, Burchart, 4,836,784, Cl. 434-113.000.
  - Moeckl, Ernst; Stumpf, Jorg; Hardt, Walter; and Doinghaus, Hermann, 4,875,418, Cl. 108-50.000.
  - Ruecker, Christoph; and Thorwesten, Wolfgang, 4,885,838, Cl. 29-566.300.
  - Schreiber, Harald, 4,803,722, Cl. 379-413.000.
  - Stahle, Peter, 4,829,420, Cl. 364-200.000.
  - Weigel, Peter, 4,858,905, Cl. 271-10.000.
- Nixdorf, Richard D., to America Matrix, Inc. Method of producing a high temperature, high strength bond between a ceramic shape and metal shape. 4,875,616, 10-24-89, Cl. 228-120.000.
- Nixdorf, Richard D.; and Rawlins, Mary H., to American Matrix, Inc. Method for the preparation of titanium nitride whiskers. 4,888,084, 12-19-89, Cl. 156-600.000.
- Nixdorf, Richard D.: *See—*
  - Weaver, Samuel C.; and Nixdorf, Richard D., 4,873,069, Cl. 423-345.000.
- Nixodorg Computer AG: *See—*
  - Beck, Herbert; Anton, Karl-Heinz; and Homner, Harald, 4,838,714, Cl. 400-124.000.
- Nixon, David A.: *See—*
  - Cohen, Marc M.; Kaplicky, Jan; and Nixon, David A., 4,836,114, Cl. 108-77.000.
- Nixon, David M.: *See—*
  - Lowry, Edward S.; Van Horn, Earl C.; and Nixon, David M., 4,864,497, Cl. 364-300.000.
- Nixon, Donald R., to Westinghouse Electric Corp. Son-air detector. 4,847,600, 7-11-89, Cl. 340-621.000.
- Nixon, Duane B.: *See—*
  - Foshee, William R., and Nixon, Duane B., 4,813,254, Cl. 70-104.000.
  - Foshee, William R.; Nixon, Duane B.; and Palmer, Ralph P., 4,843,852, Cl. 70-367.000.
- Nixon, Henry M., Jr.; Anderson, George W.; and Giordano, John A., to Mahaffy & Harder Engineering Co. Apparatus and methods for making differentially-conditioned package pairs. 4,831,811, 5-23-89, Cl. 53-433.000.
- Nixon, Robert H.: *See—*
  - Johnston, Alan R.; Nixon, Robert H.; Bergman, Larry A.; and Esener, Sadik, 4,884,243, Cl. 365-234.000.
- Nixon, Robert W. Court game and apparatus therefore. 4,834,392, 5-30-89, Cl. 273-411.000.
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- Nixon, Ronald A., to Therm-O-Disc, Incorporated. Thermal cutoff heater. 4,808,960, 2-28-89, Cl. 337-4.000.
- Nixon, Ronald A.; and Yagher, Charles, Jr., to Therm-O-Disc, Incorporated. Thermal cutoff assembly. 4,837,547, 6-6-89, Cl. 337-414.000.
- Nixon, William C., to Texas Instruments Incorporated. Charged particle sources. 4,804,851, 2-14-89, Cl. 250-492.200.
- Niyada, Katsuyuki: *See—*
  - Fujii, Satoru; Niyada, Katsuyuki; Morii, Shuji; and Watanabe, Taisuke, 4,885,791, Cl. 381-43.000.
  - Hoshimi, Masakatsu; and Niyada, Katsuyuki, 4,817,159, Cl. 381-43.000.
- Niyada, Masateru: *See—*
  - Shinohara, Shigeru; Suzuki, Shun; and Niyada, Masateru, 4,831,364, Cl. 340-680.000.
- Niznik, Michael D. Stand up exerciser. 4,844,448, 7-4-89, Cl. 272-62.000.
- Niznik, Shelly S.: *See—*
  - Tymon, Thomas M.; and Niznik, Shelly S., 4,800,041, Cl. 252-378.00R.
- NK Innovations, Inc.: *See—*
  - Kayali, Nabil A., 4,887,784, Cl. 248-311.200.
- NKK Corporation: *See—*
  - Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.
  - Iwasa, Hiroki; Watanabe, Toyofumi; and Furuya, Hirohide, 4,875,984, Cl. 204-56.100.
  - Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.
  - Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; and Takehara, Kimio, 4,886,370, Cl. 374-5.000.
  - Miyazaki, Takao; Yamada, Yoshiro; and Komine, Isamu, 4,872,758, Cl. 356-381.000.
  - Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, 4,848,912, Cl. 356-376.000.
  - Sugitani, Yuji; and Nishi, Yasuhiko, 4,816,639, Cl. 219-137.0PS.
  - Sugitani, Yuji, Kanjo, Yosihiro; and Nishi, Yasuhiko, 4,816,640, Cl. 219-137.0PS.
  - Sugitani, Yuji; and Nishi, Yasuhiko, 4,816,641, Cl. 219-137.0PS.
  - Sugitani, Yuji; and Sato, Yoshikazu, 4,827,101, Cl. 219-124.100.
  - Sugitani, Yuji; Nishi, Yasuhiko; and Kanjo, Yoshihiro, 4,851,639, Cl. 219-124.340.
  - Sugitani, Yuji; Sato, Yoshikazu; and Nishi, Yasuhiko, 4,876,432, Cl. 219-124.320.
  - Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
  - Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masaoka, Toshio; Mori, Takashi; and Okimoto, Kazutaka, 4,852,632, Cl. 164-437.000.
  - Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,874,955, Cl. 250-550.000.
  - Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, 4,881,126, Cl. 358-160.000.
  - Watanabe, Tsutomu; and Furuta, Akihiko, 4,877,497, Cl. 204-55.100.
- NL Chemicals, Inc.: *See—*
  - Bornack, Walter K., Jr.; and McNally, Keith R., 4,810,747, Cl. 524-538.000.
  - Petschke, Glenn H.; and Taub, Bernard, 4,879,365, Cl. 528-49.000.
- NL Industries, Inc.: *See—*
  - Fontenot, John E., 4,810,459, Cl. 376-160.000.
  - Ho, Hwa-Shan, 4,804,051, Cl. 175-26.000.
  - Paske, William C.; and Roesler, Richard F., 4,829,176, Cl. 250-254.000.
  - Russell, Michael K.; Wesenberg, Donald L.; and Leaney, Peter A., 4,855,870, Cl. 361-395.000.
- NL Petroleum Products Limited: *See—*
  - Barr, John D., 4,804,049, Cl. 175-329.000.
  - Fuller, John, 4,823,892, Cl. 175-329.000.
- NL Sperry-Sun, Inc.: *See—*
  - Arlott, Colin; and Kalsi, Manmohan S., 4,810,105, Cl. 384-97.000.
  - Ho, Hwa-Shan, 4,848,144, Cl. 73-151.000.
  - Russell, Anthony W., 4,819,335, Cl. 33-304.000.
  - Russell, Michael K.; and Russell, Anthony W., 4,802,150, Cl. 367-85.000.
- NLB Corp.: *See—*
  - Shook, Forrest A.; and Henshaw, Terry L., 4,821,961, Cl. 239-253.000.
- NM Laser Products, Inc.: *See—*
  - Woodruff, David C., 4,799,767, Cl. 350-269.000.
- Nnebedum, Joseph C.: *See—*
  - Fritz, Peter J.; and Nnebedum, Joseph C., 4,842,619, Cl. 51-295.000.
- NO-MA Engineering Incorporated: *See—*
  - Regan, Donald J., 4,810,139, Cl. 408-239.00A.
  - Regan, Donald J., 4,815,899, Cl. 408-141.000.
- No, Shinichiro; and Kimura, Minao, to Kabushiki Kaisha Yakult Honsha. Industrial robot hand. 4,815,781, 3-28-89, Cl. 294-88.000.
- No, Shinichiro; and Kimura, Minao, to Kabushiki Kaisha Yakult Honsha. Vacuum adsorption hand. 4,828,304, 5-9-89, Cl. 294-2.000.
- Noack, Dieter; Bruchmann, Bernd; and Punger, Michael, to Siemens Aktiengesellschaft. High-voltage compressed-gas circuit breaker. 4,831,220, 5-16-89, Cl. 200-148.00G.
- Noack, Dieter: *See—*
  - Christopher, Hans-Gunther; Thurk, Joachim; Noack, Dieter; and Schultz, Thomas, 4,886,944, Cl. 200-48.00R.
  - Marin, Heiner; and Noack, Dieter, 4,823,232, Cl. 361-335.000.
  - Marin, Heiner; and Noack, Dieter, 4,827,373, Cl. 361-335.000.
- Noack, Georg: *See—*
  - Federmann, Helmut; Levacher, Friedrich K.; and Noack, Georg, 4,840,452, Cl. 350-96.230.
- Noack, Manfred G.: *See—*
  - Vella, Philip A.; and Noack, Manfred G., 4,839,152, Cl. 423-478.000.
- Noack, Timothy J.: *See—*
  - Schwendemann, Kenneth L.; and Noack, Timothy J., 4,880,060, Cl. 166-336.000.
- Noack, William L.: *See—*
  - Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, 4,844,252, Cl. 206-223.000.
- Noah, Matthew J.: *See—*
  - Bertrand, John; and Noah, Matthew J., 4,890,327, Cl. 381-38.000.
- Noake, Kaneo, to Chisso Corporation. Process for producing a silicon carbide. 4,840,781, 6-20-89, Cl. 423-345.000.
- Noakes, John E.: *See—*
  - Valenta, Robert J.; and Noakes, John E., 4,833,326, Cl. 250-362.000.
- Noakes, Timothy J.; Pavey, Ian D.; and Ord, Stuart C., to Imperial Chemical Industries PLC. Apparatus for particles. 4,795,330, 1-3-89, Cl. 425-6.000.
- Noakes, Timothy J., to Imperial Chemical Industries PLC. Spraying apparatus. 4,801,086, 1-31-89, Cl. 239-3.000.
- Noakes, Timothy J.; Pavey, Ian D.; Bray, Douglas; and Rowe, Raymond C., to Imperial Chemical Industries PLC. Apparatus for producing a spray of droplets of a liquid. 4,829,996, 5-16-89, Cl. 128-200.140.
- Noakes, Timothy J.; and Hewitt, Nevil E., to Imperial Chemical Industries plc. Electrostatic spraying. 4,854,506, 8-8-89, Cl. 239-691.000.
- Noakes, Timothy J.: *See—*
  - Coffee, Ronald A.; Noakes, Timothy J.; Bancroft, Stephen J.; and Bals, Edward J., 4,846,407, Cl. 239-690.000.
- Noaki, Yasuhide: *See—*
  - Wakamatsu, Hisashi; and Noaki, Yasuhide, 4,839,015, Cl. 204-290.00R.
- Noami, Tsuneo: *See—*
  - Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.
  - Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.
- Nobar Ky: *See—*
  - Ryynanen, Seppo I., 4,820,427, Cl. 210-788.000.
- Nobbs, James H.; Oldring, Peter K. T.; and Duerden, David, to Thomas Swan & Co., Ltd. Apparatus for the solidification of liquid films. 4,799,453, 1-24-89, Cl. 118-665.000.
- Nobel Chematur AB: *See—*
  - Thorsson, Conny, 4,886,751, Cl. 435-162.000.
- Nobel Chemicals AB: *See—*
  - Svensson, Nils A., 4,866,204, Cl. 562-416.000.
- Nobel, Fred I.; Ostrow, Barnet D.; and Schram, David N., to LeaRonal, Inc. Limiting tin sludge formation in tin or tin/lead electroplating solutions. 4,871,429, 10-3-89, Cl. 204-44.400.
- Nobel Kemi AB: *See—*
  - Olsson, Mats, 4,876,962, Cl. 102-288.000.
- Nobell Inc.: *See—*
  - Pasinski, Ralph R.; and Ayers, Sammy L., Jr., 4,833,709, Cl. 379-374.000.
- Nobelpharma AB: *See—*
  - Albrektsson, Tomas; and Aspenberg, Per, 4,880,006, Cl. 128-630.000.
  - Brajnovic, Izidor, 4,872,839, Cl. 433-173.000.
  - Jorneus, Lars; Loof, Lennart; and Rangert, Bo, 4,824,372, Cl. 433-174.000.
- Nobile, Frederick E.: *See—*
  - Mullen, Patrick W.; and Nobile, Frederick E., 4,888,126, Cl. 252-299.500.
- Nobile, Gilberto: *See—*
  - Tumiatti, Wander; Nobile, Gilberto; and Tundo, Pietro, 4,839,042, Cl. 210-194.000.
- Nobile, John R.; Ross, William A.; and Toth, William D., to Pitney Bowes Inc. Drive system for rotary printing apparatus including improved means for locking and unlocking the apparatus. 4,876,959, 10-31-89, Cl. 101-233.000.
- Nobile, John R., to Pitney Bowes Inc. Mailing machine including improved driving means circuit. 4,881,461, 11-21-89, Cl. 101-235.000.
- Nobile, John R., to Pitney Bowes Inc. Mailing machine including improved sheet aligning means. 4,882,989, 11-28-89, Cl. 101-235.000.
- Nobile, John R., to Pitney Bowes Inc. Mailing machine including improved sheet feeding means. 4,884,503, 12-5-89, Cl. 101-233.000.
- Nobileau, Philippe C., to Vetco Gray Inc. Casing hanger packoff with C-shaped metal seal. 4,842,061, 6-27-89, Cl. 166-115.000.
- Nobileau, Philippe C., to Vetco Gray Inc. Conical thread form. 4,865,364, 9-12-89, Cl. 285-334.000.
- Nobileau, Philippe C.: *See—*
  - Sweeney, Thomas F.; Nobileau, Philippe C.; and Jennings, Charles E., 4,842,307, Cl. 285-140.000.
- Nobilet, Bernard; Bonhomme, Michel; and Desplat, Philippe, to Propiorga. Installation and plant for the recovery of energy from waste and residues. 4,857,458, 8-15-89, Cl. 435-311.000.

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Nobiraki, Koji: *See—*
Otsuka, Kazuhiko; and Nobiraki, Koji, 4,852,882, Cl. 273-183.00B.

Nobis, Dieter: *See—*
Schwarz, Reinhard; Stuhrmann, Heinz; and Nobis, Dieter, 4,802,384, Cl. 74-745.000.

Noble, Bradley T. Plasma bag support rack. 4,852,641, 8-1-89, Cl. 165-80.100.

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Noble, Marion L.; and Eck, John S., to Kansas State University Research Foundation. Method of optimizing the power zone of a bat. 4,834,370, 5-30-89, Cl. 273-72.00A.

Noble, Neal. Three element chair. 4,846,530, 7-11-89, Cl. 297-443.000.

Noble, Noel L., Bluthardt, Edward A.; and Goins, Jeffrey L. Buckle chute folder having sheet squaring feature. 4,842,574, 6-27-89, Cl. 493-421.000.

Noble, Peter J. W.; and Maskens, Geoffrey D., to Ambotech Limited. Component supply apparatus. 4,811,480, 3-14-89, Cl. 29-809.000.

Noble, Phillip C.; and Tullos, Hugh S. Method and apparatus for prosthesis placement. 4,881,536, 11-21-89, Cl. 606-94.000.

Noble, Robert L.: *See—*
Glassco, Robert B.; and Noble, Robert L., 4,879,850, Cl. 52-82.000.

Noble, Roger H., to Tush Cush, Inc. Varying support cushioned seating assembly and method. 4,840,425, 6-20-89, Cl. 297-284.000.

Noble, Stephen A.; and Nutting, Thomas C., to Eastman Kodak Company. Image recording system. 4,805,037, 2-14-89, Cl. 358-335.000.

Noble, Wendell P., Jr.: *See—*
Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., 4,873,205, Cl. 437-200.000.

Noble, William L., Sr., to Chrysler Motors Corporation. Combination shipping rack and support pallet construction. 4,819,816, 4-11-89, Cl. 211-189.000.

Noble, William L., Sr., to Chrysler Motors Corporation. Method of assembling and transporting vehicle wheel assemblies in a sequential order. 4,837,911, 6-13-89, Cl. 29-159.100.

Nobles, Anthony A.; Nobles, Verne H.; Fleming, Jon H.; Terrell, Charles T.; and Lai, Alexander K. Electronic school teaching system. 4,820,167, 4-11-89, Cl. 434-336.000.

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Miller, Lane R.; Nobles, Charles M., Jr.; and McGuire, Dennis P., 4,838,392, Cl. 188-277.000.

Nobles, David A.: *See—*
Gant, Alan D.; Nobles, David A.; Jones, Thomas M.; and Kimmel, Arthur T., 4,868,742, Cl. 364-200.000.

Nobles, James L.: *See—*
Mead, Richard A.; and Nobles, James L., 4,831,717, Cl. 29-597.000.

Nobles, Verne H.: *See—*
Nobles, Anthony A.; Nobles, Verne H.; Fleming, Jon H.; Terrell, Charles T.; and Lai, Alexander K., 4,820,167, Cl. 434-336.000.

Noborisaka, Masashi: *See—*
Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.

Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, to Hitachi Metals, Ltd.; and Sanko Concrete Building Material Manufacturing Co., Ltd. Precast concrete board fixing metal fitting. 4,831,805, 5-23-89, Cl. 52-509.000.

Noboru Yanaihara et al.: *See—*
Yanaihara, Noboru; and Abe, Kaoru, 4,855,406, Cl. 530-324.000.

Noboru, Yoshinori, to Sanyo Electric Co., Ltd. Scroll compressor with balance weight movably attached to swing link. 4,838,773, 6-13-89, Cl. 418-55.000.

Nobuaki, Miki: *See—*
Ito, Yasunobu; Suzuki, Kenji; and Nobuaki, Miki, 4,870,581, Cl. 364-424.100.

Nobue, Mamoru; Ozawa, Takashi; Ito, Hisao; and Nishihara, Yoshio, to Fuji Xerox Co., Ltd. Image sensor driving device with noise reduction circuits. 4,802,012, 1-31-89, Cl. 358-213.180.

Nobue, Mamoru: *See—*
Ito, Hisao; Nobue, Mamoru; Nishihara, Yoshio; and Suzuki, Teiichi, 4,819,082, Cl. 358-294.000.

Nobumasa, Furuya: *See—*
Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.

Nobumori, Shogo: *See—*
Tokoro, Hiroyoshi; Kobayashi, Tsuneki; Hosoya, Kensei; Nobumori, Shogo; and Hayakawa, Mitsuaki, 4,806,979, Cl. 355-14.0SH.

Nobumoto, Hidetoshi: *See—*
Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, 4,875,455, Cl. 123-568.000.

Nobumoto, Kazutoshi: *See—*
Harada, Yasuhiro; Nobumoto, Kazutoshi; Nishimura, Eizi; and Onaka, Toru, 4,884,651, Cl. 180-197.000.
Imai, Shoji; Nagaoka, Mitsuru; Matsuoka, Toshihiro; and Nobumoto, Kazutoshi, 4,834,045, Cl. 123-352.000.

Nobunaga, Hiroshi, to Kabushiki Kaisha Iseki Kaihatsu Koki. Method and apparatus for inspecting a pipeline in order to determine eccentricity thereof. 4,868,648, 9-19-89, Cl. 358-100.000.

Nobuta, Hiroshi, to Canon Kabushiki Kaisha. Apparatus for communicating image data of different resolutions. 4,876,604, 10-24-89, Cl. 358-400.000.

Nobuta, Hiroshi: *See—*
Ochi, Hiroshi; Tetsutani, Nobuji; Yamamoto, Tetsuji; and Nobuta, Hiroshi, 4,805,135, Cl. 364-900.000.

Nobuta, Masao; and Iuchi, Tetsuya, to House Food Industrial Company, Ltd. Device for filling viscous material. 4,871,001, 10-3-89, Cl. 141-279.000.

Nobuta, Masao: *See—*
Iuchi, Tetsuya; Nobuta, Masao; and Hashimoto, Seiji, 4,866,907, Cl. 53-299.000.

Nobuta, Yasuo: *See—*
Saito, Yasuo; and Nobuta, Yasuo, 4,850,004, Cl. 378-4.000.

Nobutani, Toshiyuki, to Canon Kabushiki Kaisha. Disk cramp apparatus. 4,797,873, 1-10-89, Cl. 369-270.000.

Nobutsugu, Hideo: *See—*
Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michibayashi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, 4,838,368, Cl. 177-25.180.

Nobutugu, Hideo: *See—*
Naito, Kazufumi; Haze, Setsuo; and Nobutugu, Hideo, 4,850,442, Cl. 177-164.000.

Nocca, Jean-Luc; Leonard, Jacques; Gaillard, Jean-Ferdinand; and Amigues, Pierre, to Institut Francais du Petrole; and Elf France. Process for manufacturing a tertiary alkyl ether by reactive distillation. 4,847,431, 7-11-89, Cl. 568-197.000.

Nocca, Jean-Luc: *See—*
Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, 4,847,430, Cl. 568-697.000.

Nocek, Robert S.; Bentsen, Per; and Zivkovic, Herbert H., to Minigrip, Inc. Dispenser for plastic bags. 4,805,800, 2-21-89, Cl. 221-63.000.

Nocek, Robert S.; and Ausnit, Steven, to Minigrip, Inc. Bag chain attached to computer paper. 4,859,083, 8-22-89, Cl. 383-37.000.

Nocek, Robert S.: *See—*
Ausnit, Steven; and Nocek, Robert S., 4,812,074, Cl. 493-213.000.
Lems, Peter; Ausnit, Steven; Nocek, Robert S.; and Scanlon, Thomas, 4,848,064, Cl. 53-459.000.

Nocholson, Joseph A.: *See—*
Alcock, John M.; and Nocholson, Joseph A., 4,795,359, Cl. 439-271.000.

Nockemann, Otto. Fermentation of organic materials for producing heat and fertilizer. 4,795,711, 1-3-89, Cl. 435-316.000.

Nocolaou, Kyriacos C.: *See—*
Abe, Yoshihiro; and Nocolaou, Kyriacos C., 4,873,024, Cl. 260-405.500.

Nocopi International Inc.: *See—*
Gundjian, Arshavir, 4,867,481, Cl. 283-91.000.

Noda, Akitaka: *See—*
Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, 4,882,999, Cl. 104-281.000.

Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umemoto, Shoji, to Japan Aviation Electronics Industry, Limited; and NEC Corporation. Electrical connector comprising combination of individual mating and pin elements as a contact member. 4,832,611, 5-23-89, Cl. 439-70.000.

Noda, Eiji: *See—*
Ueda, Yutaka; and Noda, Eiji, 4,861,637, Cl. 428-65.000.

Noda, Etsuo: *See—*
Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.

Noda, Fumiyoshi: *See—*
Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; Sugiyama, Etsuo; and Yamada, Yutaka, 4,869,739, Cl. 55-269.000.

Noda, Hajime; Sato, Kuniyoshi; and Sotani, Junji, to Furukawa Electric Co., Ltd. Heat pipe heat exchanger. 4,875,522, 10-24-89, Cl. 165-104.140.

Noda, Hideo: *See—*
Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.

Noda, Hidetoshi: *See—*
Sakamoto, Noboru; Noda, Hidetoshi; and Yanaka, Hideomi, 4,851,038, Cl. 75-5.000.

Noda Institute for Scientific Research: *See—*
Nakano, Eiichi; Masuda, Tsutomu; Koyama, Yasuji; and Kitao, Satoshi, 4,865,979, Cl. 435-172.300.

Noda, Isao; and Hager, Douglas F., to Procter & Gamble Company, The. Cationic latex compositions capable of producing elastomers with hydrophilic surfaces. 4,835,211, 5-30-89, Cl. 524-762.000.

Noda, Iwao: *See—*
Hirabayashi, Masaya; and Noda, Iwao, 4,877,402, Cl. 433-218.000.
Miwa, Takeru; and Noda, Iwao, 4,878,914, Cl. 623-16.000.

Noda, Juichi: *See—*
Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.

Noda, Kazuo: *See—*
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,840,303, Cl. 228-164.000.
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,854,493, Cl. 228-5.700.

Noda, Kazushi; and Kanai, Makoto, to Toyoda Gosei Co., Ltd. Horn for an automotive vehicle. 4,871,991, 10-3-89, Cl. 340-384.00E.

Noda, Kennichi, to Riken EMC Co., Ltd. Electromagnetic wave shielding, transparent panel for a display device. 4,795,941, 1-3-89, Cl. 313-479.000.

Noda, Kinzaburo: *See—*
Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, 4,828,840, Cl. 424-474.000.

Noda, Kouji; Imanaka, Masayoshi; and Isayama, Katsuhiko, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for producing an isobutylene polymer having functional terminal end groups. 4,870,144, 9-26-89, Cl. 526-216.000.

Noda, Kousuke: *See—*
Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, 4,864,108, Cl. 235-379.000.

Noda, Kozo: *See—*
Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, 4,846,991, Cl. 252-89.100.

Noda, Masaki: *See—*
Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.

Noda, Masaru: *See—*
Imaide, Takuya; Ohdawa, Hisao; and Noda, Masaru, 4,809,074, Cl. 358-213.150.
Imaide, Takuya; Nishimura, Ryuji; and Noda, Masaru, 4,819,075, Cl. 358-213.180.
Todaka, Yoshihiro; Kinugasa, Toshiro; Noda, Masaru; and Aizawa, Iwao, 4,835,617, Cl. 358-213.130.

Noda, Masayuki: *See—*
Kariya, Kenichi; Noda, Masayuki; Yamaguchi, Takahiro; and Takahashi, Katsuji, 4,883,708, Cl. 428-263.000.
Takahashi, Kiyoshi; and Noda, Masayuki, 4,875,120, Cl. 360-106.000.

Noda, Mitsuaki: *See—*
Hongo, Masafumi; and Noda, Mitsuaki, 4,879,329, Cl. 524-114.000.

Noda, Mitsuo, to Howa Machinery, Ltd. Rodless cylinder assembly. 4,856,415, 8-15-89, Cl. 92-88.000.

Noda, Mitsuo: *See—*
Saito, Nobuo; and Noda, Mitsuo, 4,879,332, Cl. 524-436.000.

Noda, Sakuo: *See—*
Takita, Hitoshi; Kimura, Fumihiko; Noda, Sakuo; Mukaida, Yutaka; Nitta, Toyohiko; and Kobayashi, Hidetoshi, 4,841,097, Cl. 560-144.000.

Noda, Shigeo, to Toyoda Machine Works, Ltd. Tool holder for monitoring tool service time. 4,890,306, 12-26-89, Cl. 377-15.000.

Noda, Shinji: *See—*
Hiraki, Yasuhito; Tanaka, Yasunori; and Noda, Shinji, 4,828,779, Cl. 264-171.000.

Noda, Shoji: *See—*
Kamigaito, Osami; Doi, Haruo; Noda, Shoji; and Kouzaki, Masao, 4,824,262, Cl. 384-42.000.

Noda, Susumu; Kojima, Keisuke; and Kyuma, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Surface-emitting semiconductor laser device. 4,847,844, 7-11-89, Cl. 372-45.000.

Noda, Susumu: *See—*
Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,783, Cl. 372-44.000.

Noda, Syuji: *See—*
Goto, Kouji; and Noda, Syuji, 4,862,056, Cl. 323-275.000.

Noda, Takashi: *See—*
Ito, Masazumi; Kusumoto, Keiji; Takano, Yoshiaki; and Noda, Takashi, 4,870,459, Cl. 355-209.000.

Noda, Takeoki: *See—*
Hamada, Yoshihiro; Nakagawa, Kazuhiko; Hagiwara, Katunobu; Noda, Takeoki; and Asada, Mitunori, 4,859,166, Cl. 425-204.000.

Noda, Tetsuo: *See—*
Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-[illegible]8.000.

Noda, Tomohiko; and Yoshihisa, Youetsu, to Yuasa Battery Company Ltd. Polymer solid electrolyte and a polymer solid electrolyte battery. 4,844,995, 7-4-89, Cl. 429-189.000.

Noda, Tomoyoshi: *See—*
Fujino, Yasuhiro; Terai, Masayuki; Noda, Tomoyoshi; and Ajioka, Yoshihide, 4,835,705, Cl. 364-491.000.

Noda, Toshiharu: *See—*
Nishiyama, Yukio; Miyashita, Takuya; Noda, Toshiharu; and Isobe, Susumu, 4,849,168, Cl. 420-418.000.

Noda, Touru: *See—*
Uno, Akira; and Noda, Touru, 4,801,509, Cl. 428-513.000.

Noda, Tsutomu; Shirosugi, Takatoshi; Hotta, Nobutaka; and Okuda, Akihide, to Hitachi, Ltd.; and Hitachi Video Engineering, Incorporated. Multiplex transmission method and apparatus. 4,882,725, 11-21-89, Cl. 370-11.000.

Noda, Wayne A.: *See—*
Kreuzer, Rudolf; Noda, Wayne A.; Stockert, Friedemann; and Zupkas, Paul F., 4,808,158, Cl. 604-49.000.

Noda, Yasushi; Ashida, Takashi; Inoue, Kazuhiko; and Yokota, Kazuo, to Teac Corporation. Magnetic disc cartridge loading and unloading mechanism. 4,833,553, 5-23-89, Cl. 360-99.060.

Noda, Yasushi: *See—*
Ando, Yashiko; Noda, Yasushi; and Abe, Yohji, 4,875,119, Cl. 360-105.000.

Noda, Yasuyoshi, to KTX Co., Ltd. Porous die. 4,872,827, 10-10-89, Cl. 425-526.000.

Noda, Yukifumi; and Nabata, Hiroyuki, to Chugai Seiyaku Kabushiki Kaisha. Therapeutic agent for the treatment of disorders associated with cerebral ischemia. 4,870,090, 9-26-89, Cl. 514-355.000.

Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Semiconductor optical modulator. 4,811,353, 3-7-89, Cl. 372-45.000.

Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Method for manufacturing semiconductor optical integrated device with optical waveguide regions. 4,820,655, 4-11-89, Cl. 437-129.000.

Noda, Yukio: *See—*
Akiba, Shigeyuki; Usami, Masashi; Noda, Yukio; and Suzuki, Masatoshi, 4,796,274, Cl. 372-96.000.
Suzuki, Masatoshi; Noda, Yukio; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,837,526, Cl. 332-7.510.

Noda, Yuzuru: *See—*
Higasni, Kazumi; and Noda, Yuzuru, 4,874,834, Cl. 528-176.000.
Higashi, Kazumi; and Noda, Yuzuru, 4,876,330, Cl. 528-353.000.
Higashi, Kazumi; and Noda, Yuzuru, 4,880,895, Cl. 528-173.000.

Nodama, Takashi: *See—*
Hamada, Takashi; Hino, Teruyuki; Nodama, Takashi; and Matsuoka, Hiroshi, 4,796,842, Cl. 248-186.000.

Nodari, Nereo: *See—*
Neri, Carlo; Nodari, Nereo; Bersanetti, Erik; and Sandre, Giovanni, 4,810,579, Cl. 428-405.000.
Neri, Carlo; Nodari, Nereo; and Sandre, Giovanni, 4,886,900, Cl. 560-75.000.

Nodelman, Neil H., to Mobay Corporation. Diepoxide reacted with a half ester from a dicarboxyic acid anhydride and polyalkylene glycol. 4,797,464, 1-10-89, Cl. 528-110.000.

Nodelman, Neil H.; and Kelso, Robert G., to Mobay Corporation. High solids polyester polyols. 4,859,791, 8-22-89, Cl. 560-91.000.

Nodelman, Neil H.: *See—*
Harasin, Stephen J.; Hurley, Michael F.; Kelly, Timothy J.; Naleppa, Kenneth J.; Nodelman, Neil H.; Schumacher, Donald W.; Slocum, Gregory H.; and Sounik, David F., 4,868,224, Cl. 521-124.000.
Mafoti, Robson; and Nodelman, Neil H., 4,857,561, Cl. 521-159.000.

Nodest Vei A/S: *See—*
Wentzel, Jarle, 4,832,497, Cl. 366-9.000.

Nodfelt, Ingvar, to AB Stratos. Connector device. 4,810,202, 3-7-89, Cl. 439-289.000.

Nodfelt, Ingvar, to AB Stratos. Method of optical connection of an end portion of an optical fibre with an other optical element. 4,884,861, 12-5-89, Cl. 350-96.180.

Nodholm, Daniel D. Apparatus for degrading biodegradable material. 4,863.595, 9-5-89, Cl. 210-195.300.

Noding, Stephen A.; Siegel, Sanford A.; and Pennington, Donald W., to Dow Chemical Company, The. Static dissipative thermoplastic laminate film. 4,804,582, 2-14-89, Cl. 428-332.000.

Noding, Stephen A., to Dow Chemical Company, The. Novel multifunctional compounds and electrolytic oxidative coupling process. 4,871,430, 10-3-89, Cl. 204-72.000.

Nodo, Kanji: *See—*
Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Nodo, Nicholas L. Firearm recoil attenuator and method. 4,799,324, 1-24-89, Cl. 42-94.000.

Nodoa, Minoru: *See—*
Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.

Noe, Andreas: *See—*
Noe, Oskar; Noe, Rolf; Noe, Andreas; and Koppers, Hermann, 4,819,470, Cl. 72-161.000.
Noe, Oskar; Noe, Rolf; and Noe, Andreas, 4,842,178, Cl. 226-113.000.
Noe, Oskar; Noe, Rolf; Noe, Andreas; Dotsch, Willi; and Lux, Herbert, 4,886,199, Cl. 226-118.000.

Noe, Bryan D.: *See—*
Spiess, Joachim; and Noe, Bryan D., 4,816,438, Cl. 514-11.000.

Noe, Lewis J.: *See—*
Bowen, John M.; Sullivan, Patrick J.; Blanche, M. Sterling; Essington, Michael; and Noe, Lewis J., 4,802,761, Cl. 356-301.000.

Noe, Oskar; Noe, Rolf; Noe, Andreas; and Koppers, Hermann, to BWG Bergwerk-und Walzwerk-Maschinenbau GmbH. Method for continuously straightening thin metal strips. 4,819,470, 4-11-89, Cl. 72-161.000.

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Noe, Oskar; Noe, Rolf; Noe, Andreas; Dotsch, Willi; and Lux, Herbert, to Bergwerk-und Walzwerk-Maschinenbau GmbH. Strip drive for advancing materials for processing. 4,886,199, 12-12-89, Cl. 226-118.000.

Noe, Rolf: *See—*
  Noe, Oskar; Noe, Rolf; Noe, Andreas; and Koppers, Hermann, 4,819,470, Cl. 72-161.000.
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  Noe, Oskar; Noe, Rolf; Noe, Andreas; Dotsch, Willi; and Lux, Herbert, 4,886,199, Cl. 226-118.000.
Noel Carroll: *See—*
  Prendergast, Gavan J. J., 4,822,551, Cl. 264-275.000.
Noel, Claudine: *See—*
  Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, 4,824,923, Cl. 536-298.000.
Noel, Georges: *See—*
  Le Corre, Jean-Luc; and Noel, Georges, 4,815,583, Cl. 198-396.000.
Noel, Jacques: *See—*
  Minjolle, Louis; Drouet, Michel; Fatta-Barou, Jean-Louis; Callegari, Michel; and Noel, Jacques, 4,853,053, Cl. 156-73.500.
Noel, Marc, to Charbonnages De France. Signal transfer method and equipment for electric machine equipped with three-phase power supply cable. 4,862,157, 8-29-89, Cl. 340-825.000.
Noel, Marquet & Cie. S.A.: *See—*
  Schroder, Ralph, 4,844,762, Cl. 156-244.120.
Noel, Richard K., to Hamilton Standard Controls, Inc. Method of insulating a coil. 4,846,912, 7-11-89, Cl. 156-212.000.
Noell, J. Oakey: *See—*
  Albarella, James P.; Noell, J. Oakey; Vogelhut, Paul O.; and Ward, deceased, Frederick E., 4,886,625, Cl. 252-500.000.
Noelting, Gregory: *See—*
  Jancosek, David G.; Demorotski, Michael; and Noelting, Gregory, 4,845,332, Cl. 219-10.770.
Noerenberg, Marc D.; and Stasz, Peter, to Everest Medical Corporation. Electro-surgical instrument. 4,802,476, 2-7-89, Cl. 128-303.140.
Nofer, Karl H., to Pano Cap (Canada) Limited. Tamper-evident closure cap and container. 4,848,613, 7-18-89, Cl. 215-252.000.
Noffsinger, Alfred A. Collapsible display sign. 4,875,302, 10-24-89, Cl. 40-610.000.
Nofre, Claude; Tinti, Jean M.; and Chatzopoulos, Farroudja O., to Universite Claude Bernard - Lyon. Glycine and β alanine derivatives as sweetening agents. 4,877,895, 10-31-89, Cl. 558-413.000.
Nofzinger, Harold M.: *See—*
  Rossigno, Louis P.; and Nofzinger, Harold M., 4,826,121, Cl. 248-222.200.
Noga, Edward J.; and Barthalmus, George T., to North Carolina State University. Method of inhibiting the growth of melanin-pigmented cells. 4,859,668, 8-22-89, Cl. 514-231.200.
Nogaki, Hisami. Linear mechanical drive with precise end-of-travel load positioning. 4,821,456, 4-18-89, Cl. 49-362.000.
Nogami, Akira: *See—*
  Shirai, Miyuki; and Nogami, Akira, 4,874,683, Cl. 430-114.000.
Nogami, Hiroyasu: *See—*
  Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.
  Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; and Amano, Shinya, 4,821,230, Cl. 364-900.000.
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Nogami, Ikuo: *See—*
  Shirafuji, Hideo; Yamaguchi, Takamasa; and Nogami, Ikuo, 4,876,195, Cl. 435-137.000.
Nogami, Kazutaka; and Sakurai, Takayasu, to Kabushiki Kaisha Toshiba. Complementary semiconductor memory device. 4,853,897, 8-1-89, Cl. 365-189.110.
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Nogami, Kouji: *See—*
  Tezuka, Hirofumi; Nogami, Kouji; and Koyano, Toshihide, 4,841,278, Cl. 340-908.100.
Nogami, Mari: *See—*
  Tokumaru, Sennosuke; Kubo, Michinori; and Nogami, Mari, 4,797,290, Cl. 426-43.000.
Nogami, Masateru, to S.T.N. Corporation. Pad non-rotation mechanism of steering wheel. 4,808,146, 2-28-89, Cl. 474-101.000.
Nogami, Mikio: *See—*
  Yoshida, Kazufumi; Ishikawa, Tohru; and Nogami, Mikio, 4,843,546, Cl. 364-403.000.
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Nogami, Tatsuya: *See—*
  Okubi, Kenichi; Nogami, Tatsuya; and Takakura, Makoto, 4,830,880, Cl. 427-229.000.
Nogami, Toyoichiro: *See—*
  Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
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Nogan, John J., II: *See—*
  Ramm, Edmund C.; and Nogan, John J., II, 4,888,845, Cl. 15-182.000.
Nogawa, Shuichi; and Kamijo, Eiji, to Nissin Electric Co., Ltd. Process for producing superconducting thin film. 4,861,750, 8-29-89, Cl. 505-1.000.
Nogi, Hiroshi: *See—*
  Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.
  Takeuchi, Kunihiko; and Nogi, Hiroshi, 4,809,426, Cl. 29-568.000.
Nogi, Kenroku: *See—*
  Nakano, Toshihiko; Hayashi, Toshihiro; Nogi, Kenroku; and Mori, Kiyomi, 4,866,605, Cl. 364-200.000.
Nogi, Toshiharu; Yamauchi, Teruo; and Oyama, Yoshishige, to Hitachi, Ltd. Liquid atomizer. 4,865,006, 9-12-89, Cl. 123-590.000.
Nogi, Toshiharu: *See—*
  Kuroiwa, Hiroshi; Oyama, Yoshishige; and Nogi, Toshiharu, 4,887,574, Cl. 123-425.000.
Nogita, Shunsuke: *See—*
  Morihara, Atsushi; Miyamoto, Tomohiko; Koyama, Shuntaro; Nogita, Shunsuke; and Hishinuma, Yukio, 4,806,131, Cl. 48-210.000.
  Tomomura, Masaomi; Nogita, Shunsuke; and Someya, Kazuo, 4,816,237, Cl. 423-210.000.
Nogle, Scott G.: *See—*
  Pelley, Perry H., III; Yu, Ruey J.; and Nogle, Scott G., 4,806,799, Cl. 307-475.000.
Nogle, Thomas D., to Chrysler Motors Corporation. Fluid-actuated pressure switch for an automatic transmission. 4,871,887, 10-3-89, Cl. 200-83.00R.
Noguchi, Aiko: *See—*
  Tanaka, Yukitaka; Omura, Hisao; Irinatsu, Yuuichi; Kobayashi, Takashi; and Noguchi, Aiko, 4,873,109, Cl. 426-607.00C.
Noguchi, Akio, to Canon Kabushiki Kaisha. Recording apparatus. 4,809,025, 2-28-89, Cl. 346-154.000.
Noguchi, Atomi: *See—*
  Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187.000.
Noguchi, Haruo: *See—*
  Sumitani, Shigeto; Noguchi, Haruo; and Araya, Hiroyuki, 4,802,529, Cl. 165-29.000.
Noguchi, Hiromichi: *See—*
  Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,399, Cl. 522-14.000.
  Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,400, Cl. 522-14.000.
  Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,668, Cl. 346-140.00R.
  Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, 4,839,669, Cl. 346-140.00R.
Noguchi, Hiroshi: *See—*
  Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Hori, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
  Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
Noguchi, Hirosi: *See—*
  Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hirosi; Tanahashi, Tosio; and Hirose, Katsuhiko, 4,821,686, Cl. 123-65.0VD.
Noguchi, Hitoshi; and Wakamatsu, Hideki, to Hewlett-Packard Company. Apparatus for indicating the resistive characteristic of a capacitor. 4,841,228, 6-20-89, Cl. 324-62.000.
Noguchi, Ichiro; Nagasaka, Yoshikiyo; and Kurosawa, Isamu, to Diesel Kiki Co., Ltd. Laminated heat exchanger. 4,800,954, 1-31-89, Cl. 165-153.000.
Noguchi, Ichiro; and Koyama, Shoichi, to Alps Electric Co., Ltd. Back core holding clip disposed on interior side of back core. 4,809,112, 2-28-89, Cl. 360-125.000.
Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, to Alps Electric Co., Ltd. Pivot support structure for magnetic head assembly. 4,831,479, 5-16-89, Cl. 360-105.000.
Noguchi, Ichiro, to Diesel Kiki Co., Ltd. Laminated heat exchanger. 4,860,823, 8-29-89, Cl. 165-153.000.
Noguchi, Isao: *See—*
  Higuchi, Shigetaka; Noguchi, Isao; Kurita Shuji; and Kodachi, Yasutomo, 4,819,322, Cl. 29-605.000.
Noguchi, Kazuma: *See—*
  Sekiguchi, Tomozo; and Noguchi, Kazuma, 4,844,299, Cl. 222-94.000.
Noguchi, Kazunari: *See—*
  Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.
Noguchi, Kazuo; and Konet, Keith A., to Sumitomo Electric Industries, Ltd.; and Manchester Tool Company. Grooving insert. 4,832,541, 5-23-89, Cl. 407-114.000.
Noguchi, Kazuya: *See—*
  Sekiguchi, Tomozo; and Noguchi, Kazuya, 4,795,063, Cl. 222-105.000.

Noguchi, Kenji: *See—*
  Terada, Yasushi; Nakayama, Takeshi; Kobayashi, Kazuo; and Noguchi, Kenji, 4,805,151, Cl. 365-189.000.
Noguchi, Kentaro: *See—*
  Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.
Noguchi, Kesao, to NEC Corporation. Thin film transistor array for liquid crystal display panel. 4,821,092, 4-11-89, Cl. 357-4.000.
Noguchi, Kiyoshi: *See—*
  Izumi, Toshiaki; Noguchi, Kiyoshi; Shimizu, Hisae; and Kohmoto, Misao, 4,816,933, Cl. 360-55.000.
Noguchi, Kosaku; Tanaka, Honami; Yamazaki, Heima; and Ohmoto, Yoshiharu, to Koa Oil Company, Limited. Coking process. 4,828,682, 5-9-89, Cl. 208-131.000.
Noguchi, Kunio; Koike, Yuzuru; and Toshimits, Kazushige, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio control method for internal combustion engines. 4,877,006, 10-31-89, Cl. 123-589.000.
Noguchi, Masahiko; Tsuda, Kiyoshi; and Sasage, Tsutomu, to NEC Corporation. Flat article feeding apparatus comprising a plurality of reversedly driven and individually urged pulleys. 4,819,927, 4-11-89, Cl. 271-34.000.
Noguchi, Masahiko: *See—*
  Futaba, Takeshi; and Noguchi, Masahiko, 4,796,715, Cl. 180-143.000.
  Sasage, Tsutomu; and Noguchi, Masahiko, 4,886,596, Cl. 209-539.000.
Noguchi, Masahiro; and Yamamoto, Osamu, to Mitsubishi Monsanto Chemical Co., Ltd.; and Mitsubishi Kasei Corporation. Method for polishing AlGaAs surfaces. 4,889,586, 12-26-89, Cl. 156-636.000.
Noguchi, Masaro: *See—*
  Matsusaka, Yoshihide; Aoyama, Kohji; and Noguchi, Masaro, 4,838,816, Cl. 439-861.000.
Noguchi, Masaru, to Fuji Photo Film Co., Ltd. Radiation image readout apparatus. 4,800,276, 1-24-89, Cl. 250-327.200.
Noguchi, Masaru, to Fuji Photo Film Co., Ltd. Light scanning device with a short-path synchronizing grid. 4,806,753, 2-21-89, Cl. 250-235.000.
Noguchi, Masaru; Miyagawa, Ichirou; and Horikawa, Kazuo, to Fuji Photo Film Co., Ltd. Method of detecting semiconductor laser mode hopping and semiconductor laser beam source apparatus. 4,807,992, 2-28-89, Cl. 356-121.000.
Noguchi, Masaru; and Miyagawa, Ichirou, to Fuji Photo Film Co., Ltd. Optical system for semiconductor laser beam. 4,832,469, 5-23-89, Cl. 350-404.000.
Noguchi, Masaru: *See—*
  Goto, Chiaki; and Noguchi, Masaru, 4,829,180, Cl. 250-327.200.
  Hosoi, Yuichi; Takahashi, Kenji; Mori, Nobufumi; and Noguchi, Masaru, 4,866,274, Cl. 250-327.200.
Noguchi, Matsusaburo: *See—*
  Kano, Hiroyuki; Noguchi, Matsusaburo; and Tadokoro, Joji, 4,835,603, Cl. 358-75.000.
  Tadokoro, Joji; and Noguchi, Matsusaburo, 4,819,078, Cl. 358-256.000.
Noguchi, Minetoshi; Goto, Somio; Nemoto, Masakazu; and Ishibashi, Jiro, to Juki Corporation. Sewing machine apparatus for setting the pitch of the last additional stitch. 4,794,875, 1-3-89, Cl. 112-315.000.
Noguchi, Minori; Otsubo, Toru; and Aiuchi, Susumu, to Hitachi, Ltd. Measuring apparatus for etching pits. 4,840,487, 6-20-89, Cl. 356-355.000.
Noguchi, Minoru: *See—*
  Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguchi, Minoru; and Fujii, Teru, 4,808,258, Cl. 156-643.000.
Noguchi, Naoki; and Fukui, Yo. Gas-passage change-over apparatus. 4,863,691, 9-5-89, Cl. 422-54.000.
Noguchi, Noboru: *See—*
  Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.
  Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.
  Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, 4,840,544, Cl. 417-254.000.
  Nakanishi, Nobuyasu; Noguchi, Noboru; Aizawa, Hideyuki; and Ito, Kenzi, 4,797,612, Cl. 324-173.000.
  Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,865,398, Cl. 303-115.000.
Noguchi, Noritake: *See—*
  Nagase, Noboru; Yamaguchi, Masao; and Noguchi, Noritake, 4,817,003, Cl. 364-463.000.
Noguchi, Noriyoshi: *See—*
  Morimoto, Akira; Choh, Nobuo; and Noguchi, Noriyoshi, 4,876,251, Cl. 514-193.000.
Noguchi, Satoru: *See—*
  Miyazaki, Kunio; Azuma, Kunihiko; and Noguchi, Satoru, 4,830,163, Cl. 192-105.0CD.
Noguchi, Satoshi: *See—*
  Hashimura, Yasuhiro; Noguchi, Satoshi; and Minami, Nobuyuki, 4,841,857, Cl. 101-158.000.
  Miura, Kazuo; Kang, Yoon M.; Taneya, Shoichi; Noguchi, Satoshi; and Sakitani, Katsumi, 4,827,736, Cl. 62-51.100.
  Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,840,043, Cl. 62-51.200.
  Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.
Noguchi, Shigeru: *See—*
  Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.
Noguchi, Shoichi: *See—*
  Odaka, Teruaki; Ishiyama, Kunio; and Noguchi, Shoichi, 4,866,590, Cl. 363-49.000.
Noguchi, Tadashi: *See—*
  Numata, Tatsuo; and Noguchi, Tadashi, 4,853,609, Cl. 323-312.000.
Noguchi, Takaharu: *See—*
  Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.
Noguchi, Takanobu: *See—*
  Murase, Ichiki; Ohnishi, Toshihiro; and Noguchi, Takanobu, 4,868,284, Cl. 528-481.000.
Noguchi, Takehiko; Takeoka, Yoshiki; and Yamamoto, Tsuneo, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Method for surface treatment of film. 4,832,772, 5-23-89, Cl. 156-153.000.
Noguchi, Takeshi, to Kabushiki Kaisha Mutec. Suturing needle with suture and method of producing the same. 4,805,292, 2-21-89, Cl. 29-445.000.
Noguchi, Takeshi; Orikawa, Michihiro; and Ishiyama, Tatsuro, to Bridgestone Corporation. Vibration absorbing apparatus. 4,832,319, 5-23-89, Cl. 267-140.100.
Noguchi, Takeshi; Kikuchi, Takashi; and Takano, Kazuya, to Bridgestone Corporation. Electroviscous liquid-filled suspension device and control damping device therefor. 4,858,733, 8-22-89, Cl. 188-267.000.
Noguchi, Takeshi; Takano, Kazuya; and Kikuchi, Takashi, to Bridgestone Corp. Vibration isolator. 4,877,225, 10-31-89, Cl. 267-140.100.
Noguchi, Takeshi: *See—*
  Harada, Shigeru; Noguchi, Takeshi; and Mochizuki, Hiroshi, 4,867,859, Cl. 204-298.000.
  Iguchi, Seiya; Noguchi, Takeshi; Kimura, Hiroshi; and Aihara, Masayo, 4,800,160, Cl. 435-177.000.
  Orikawa, Michihiro; and Noguchi, Takeshi, 4,838,529, Cl. 267-140.100.
  Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, 4,858,899, Cl. 267-219.000.
  Takano, Kazuya; and Noguchi, Takeshi, 4,861,006, Cl. 267-140.100.
  Ushijima, Takao; and Noguchi, Takeshi, 4,802,658, Cl. 267-140.100.
Noguchi, Tatsuo, to Kabushiki Kaisha Toshiba. Field-effect transistor devices. 4,841,346, 6-20-89, Cl. 357-23.100.
Noguchi, Teruhiko: *See—*
  Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, 4,827,306, Cl. 355-3.0CH.
Noguchi, Teruhisa: *See—*
  Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, 4,885,833, Cl. 29-407.000.
Noguchi, Tetsuo: *See—*
  Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, 4,888,344, Cl. 514-210.000.
Noguchi, Toru: *See—*
  Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonezaki, Takahiro, 4,833,305, Cl. 219-549.000.
Noguchi, Toshiaki, to Olympus Optical Co., Ltd. Endoscope light source apparatus with a light emitting timing delaying circuit. 4,800,424, 1-24-89, Cl. 358-98.000.
Noguchi, Toshiaki, to Olympus Optical Co., Ltd. Light source device for an endoscope which maintains a constant minimum-DC current. 4,870,487, 9-26-89, Cl. 358-98.000.
Noguchi, Toyosaburo: *See—*
  Iwasaki, Yoshihiko; and Noguchi, Toyosaburo, 4,857,350, Cl. 426-506.000.
  Iwasaki, Yoshihiko; and Noguchi, Toyosaburo, 4,884,500, Cl. 99-517.000.
Noguchi, Tsutomu. FET switch circuit having small insertion loss and exhibiting stable operation. 4,810,911, 3-7-89, Cl. 307-571.000.
Noguchi, Tsutomu; Nito, Keiichi; and Seto, Junetsu, to Sony Corporation. Positive photoresist material with o-quinone diazide and polymer containing silicon atoms. 4,865,945, 9-12-89, Cl. 430-192.000.
Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, to Shino-Test Laboratory Inc.; and Tokuyama Soda Co. Ltd. Immunological assay method. 4,843,021, 6-27-89, Cl. 436-533.000.
Noguchi, Yasuhiro; Yamada, Hitoshi; and Funyu, Yukio, to Hitachi, Ltd.; and Hitachi Process Computer Engineering, Inc. Cursor display apparatus. 4,887,230, 12-12-89, Cl. 364-560.000.
Noguchi, Yasuo: *See—*
  Idemoto, Morito; and Noguchi, Yasuo, 4,832,683, Cl. 604-22.000.
  Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, 4,843,432, Cl. 355-41.000.
Noguchi, Yasutaka. *See—*
  Soya, Takashi; Kimizuka, Junichi; Inuyama, Toshihiko; and Noguchi, Yasutaka, 4,816,845, Cl. 346-108.000.
Noguchi, Yoji: *See—*
  Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.

Noguchi, Yoshiki: *See—*
Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, 4,820,594, Cl. 429-17.000.
Noguchi, Yoshio: *See—*
Ogawa, Kunihiko; and Noguchi, Yoshio, 4,842,916, Cl. 428-100.000.
Noguchi, Yoshiyuki: *See—*
Saotome, Toshio; Noguchi, Yoshiyuki; Nishikawa, Mitsuo; and Yamazaki, Shigeki, 4,851,731, Cl. 310-258.000.
Noguchi, Yukio: *See—*
Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
Kasahara, Nobuo; Sato, Nobuyuki; and Noguchi, Yukio, 4,866,478, Cl. 355-70.000.
Nogueira, Nadia; and Lizardi, Paul, to Rockefeller University. Nucleotide hybridization assay for protozoan parasites. 4,801,530, 1-31-89, Cl. 435-6.000.
Noguera, Fernando P.: *See—*
Vega-Noverola, Armando; Prieto Soto, Jose M.; Noguera, Fernando P.; Mauri, Jacinto M.; and Spickett, Robert G. W., 4,877,780, Cl. 514-161.000.
Nogues, Pierre. Adhesive compositions based on polypropylene modified by grafting an unsaturated monomer. 4,822,688. 4-18-89, Cl. 428-458.000.
Noh, Soo H.: *See—*
Tsezos, Marios; and Noh, Soo H., 4,828,882, Cl. 427-213.000.
Noh, Yang H., to Gold Star Co. Ltd. Stirring device for automatic washer. 4,858,450, 8-22-89, Cl. 68-134.000.
Nohara, Makoto: *See—*
Okumura, Tsuyoshi; and Nohara, Makoto, 4,864,231, Cl. 324-173.000.
Nohara, Mitsuo; and Takahata, Fumio, to Kokusai Denshin Denwa Kabushiki Kaisha. Demand-assignment communication system. 4,870,642, 9-26-89, Cl. 370-75.000.
Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masami; and Tanikawa, Isao, to Toyo Seikan Kaisha, Ltd. Process for preparation of injection molded body of olefin/vinyl alcohol copolymer. 4,798,697, 1-17-89, Cl. 264-255.000.
Nohara, Shigezo; Hirata, Sadao; Sugimoto, Takeshi; and Ohkubo, Yoshimichi, to Toyo Seikan Kaisha, Ltd. Multi-layer gas-barrier drawn polyester vessel. 4,816,304, 3-28-89, Cl. 428-36.700.
Nohara, Shigezo: *See—*
Hirata, Shunsaku; Nohara, Shigezo; and Hirata, Sadao, 4,818,575, Cl. 428-36.700.
Nohe, Heinz: *See—*
Dockner, Toni; Krug, Herbert; and Nohe, Heinz, 4,824,956, Cl. 546-314.000.
Nohira, Hidetaka: *See—*
Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
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Nokia Graetz: *See—*
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Nill, Eberhard, 4,806,819, Cl. 313-404.000.
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Newhouse, Mark A.; Nolan, Daniel A.; and Weidman, David L., 4,877,300, Cl. 350-96.150.
Nolan, Dennis C., to MagneTek, Inc. Ripple rejection filter. 4,872,127, 10-3-89, Cl. 364-602.000.
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Nolan, James F. Portable cleaner. 4,819,678, 4-11-89, Cl. 134-186.000.
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Nolan, Timothy J. Exercise device. 4,869,491, 9-26-89, Cl. 272-67.000.
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Nold, Robert D., to Sundstrand Corporation. Integrated diode package. 4,827,165, 5-2-89, Cl. 310-68.00D.
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Nolf, Jean-Marie E.; Vansant, Jan L. M. F. G.; and Jensen, Michael L., to Raychem Corporation. Electrical device. 4,880,962, 11-14-89, Cl. 219-549.000.
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Noll, Joachim J.; Blazek, Vladimir; and Schmitt, Hans-Jurgen, to U.S. Philips Corp. Arrangement for inspecting light waveguide end faces. 4,854,701, 8-8-89, Cl. 356-73.100.
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Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, 4,829,058, Cl. 514-155.000.
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Nollen, Dennis A.; and Quinn, Arthur A., to Du Pont de Nemours, E. I., and Company. Low density nonwoven aramid sheets. 4,888,091, 12-19-89, Cl. 162-109.000.
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Nolting, Hans-Peter; Heidrich, Helmut; and Hoffmann, Detlef, to Siemens Aktiengesellschaft. Apparatus for continuous polarization and phase control. 4,832,431, 5-23-89, Cl. 350-96.140.

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Noma Inc.: *See—*

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Nomaki, Tatsuo: *See—*

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Nomix Corporation: *See—*

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Nomix Manufacturing Co., Ltd.: *See—*

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  Gill, David C., 4,889,001, Cl. 73-865.900.

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Nomiyama, Mayumi: *See—*

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Nomori, Hiroyuki: *See—*

  Takei, Yoshiaki; Kijima, Eiichi; Goto, Satoshi; and Nomori, Hiroyuki, 4,835,080, Cl. 430-58.000.

  Yamazaki, Toshinori; Sakai, Eiichi; Nakanishi, Tatsuo; and Nomori, Hiroyuki, 4,859,554, Cl. 430-58.000.

Nomoto, Ikuya; and Kawabata, Kenji, to Hitachi, Ltd. Discharge lamp operating circuit. 4,816,720, 3-28-89, Cl. 315-94.000.

Nomoto, Kaoru: *See—*

  Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Ishida, Nobumasa; and Ishikawa, Junji, 4,814,009, Cl. 106-1.230.

  Kondo, Koji; Murakawa, Katuhiko; Nomoto, Kaoru; Ishikawa, Futoshi; Isida, Nobumasa; and Isikawa, Junji, 4,834,796, Cl. 106-1.230.

Nomoto, Kenichi: *See—*

  Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.

Nomoto, Kohei; Kirimoto, Tetsuo; and Kondo, Michimasa, to Mitsubishi Denki Kabushiki Kaisha. Auto-tuning controller using fuzzy reasoning to obtain optimum control parameters. 4,864,490, 9-5-89, Cl. 364-157.000.

Nomoto, Mineo: *See—*

  Nakahata, Kozo; Hamada, Toshimitsu; Nakagawa, Yasuo; and Nomoto, Mineo, 4,872,187, Cl. 378-4.000.

Nomoto, Reishi, to Janome Sewing Machine Co., Ltd. Control apparatus and embroidery data for embroidering system. 4,825,784, 5-2-89, Cl. 112-103.000.

Nomoto, Shinichi; Mizuguchi, Yoshihiko; and Watanabe, Fumio, to Kokusai Denshin Denwa Kabushiki Kaisha. Multi-reflector antenna. 4,811,029, 3-7-89, Cl. 343-779.000.

Nomoto, Tsugio: *See—*

  Ichizawa, Yoshiyuki; and Nomoto, Tsugio, 4,819,785, Cl. 198-404.000.

Nomoto, Tsutomu; Yoside, Mamoru; Mouri, Mikio; and Watanabe, Tsukasa, to Oki Electric Industry Co., Ltd. Thin-film transistor fabrication process. 4,859,617, 8-22-89, Cl. 437-40.000.

Nomoto, Tsutomu: *See—*

  Uchiyama, Akira; Masaki, Yuuichi; Iwabuchi, Toshiyuki; Nomoto, Tsutomu; and Sakamoto, Masaaki, 4,885,622, Cl. 357-30.000.

  Yoshida, Mamoru; Nomoto, Tsutomu; Araki, Tomoo; and Watanabe, Tsukasa, 4,816,885, Cl. 357-23.700.

Nomula, Ram R.; and Parish, Robert S., to Laservideo, Inc. Optical disc package. 4,819,799, 4-11-89, Cl. 206-310.000.

Nomura, Akihiro; Fukase, Hisahiko; Matsui, Kunio; and Hirata, Atsushi, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Dual-roll type continuous casting machine. 4,804,037, 2-14-89, Cl. 164-449.000.

Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, to Canon Kabushiki Kaisha. Image forming apparatus. 4,862,215, 8-29-89, Cl. 355-309.000.

Nomura, Akihiro: *See—*

  Hirata, Atsushi; Fukase, Hisahiko; Matsui, Kunio; and Nomura, Akihiro, 4,865,115, Cl. 164-428.000.

  Matsui, Kunio; Fukase, Hisahiko; Hirata, Atsushi; and Nomura, Akihiro, 4,883,113, Cl. 164-428.000.

Nomura, Akira; and Yamada, Joseph, to Director General of Agency of Industrial Science and Technology. Porous inorganic particles modified with amino and carboxyl groups. 4,816,499, 3-28-89, Cl. 523-218.000.

Nomura, Akira: *See—*

  Motegi, Hisatoshi; and Nomura, Akira, 4,843,254, Cl. 307-272.200.

Nomura, Calvin S.: *See—*

  Jove, Stephen A.; Klaassen, Klaas B.; Nomura, Calvin S.; and vanPeppen, Jacobus C. L., 4,879,610, Cl. 360-67.000.

Nomura, Etsuzo: *See—*

  Suzuki, Shigeru; Nomura, Etsuzo; and Takeuchi, Hirokazu, 4,867,087, Cl. 112-314.000.

Nomura, Fuzio: *See—*

  Nishizawa, Kazutoshi; Takagi, Masashi; Matsuoka, Akio; and Nomura, Fuzio, 4,828,463, Cl. 417-307.000.

Nomura, Hideki: *See—*

  Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.

Nomura, Hidenori: *See—*

  Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.

  Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,806,795, Cl. 307-452.000.

  Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.

  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.

  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.

Nomura, Hiroaki: *See—*

  Inoue, Keizo; Nomura, Hiroaki; and Aono, Tetsuya, 4,845,219, Cl. 544-107.000.

  Inoue, Keizo; Nomura, Hiroaki; and Okutani, Tetsuya, 4,889,953, Cl. 564-293.000.

  Kobayashi, Mitsuo; and Nomura, Hiroaki, 4,833,772, Cl. 29-568.000.

Nomura, Hirokazu: *See—*

  Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.

Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayashi, Shigetoyo; and Yamamoto, Hiroki, to Uni-Charm Corporation. Method for applying an elastic band onto a moving web. 4,838,969, 6-13-89, Cl. 156-160.000.

Nomura, Hiroshi, to Applied Membrane Technology, Inc. Pore size control using plasma polymerization techniques. 4,806,246, 2-21-89, Cl. 210-651.000.

Nomura, Hiroshi, to Applied Membrane Technology, Inc. Gas permselective composite membrane prepared by plasma polymerization coating techniques. 4,824,444, 4-25-89, Cl. 55-16.000.

Nomura, Hirotsugu: *See—*

  Nagasawa, Takao; Ikeda, Kingo; and Nomura, Hirotsugu, 4,824,552, Cl. 208-17.000.

Nomura, Hiroyuki: *See—*

  Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, 4,858,071, Cl. 361-386.000.

Nomura, Hitoshi: *See—*

  Ono, Masayoshi; and Nomura, Hitoshi, 4,833,127, Cl. 514-21.000.

Nomura, Ikuo: *See—*

  Emori, Yasuyoshi; Ohsaki, Hiroshi; and Nomura, Ikuo, 4,877,100, Cl. 180-143.000.

Nomura, Isamu: *See—*

  Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, 4,823,056, Cl. 318-341.000.

Nomura, Isao; Narita, Kenichi; and Kurokawa, Masashi, to Mitsubishi Gas Chemical Company, Inc. Molding polyamide resin composition. 4,822,846, 4-18-89, Cl. 524-538.000.

Nomura, Isao: *See—*

  Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, 4,877,847, Cl. 525-397.000.

Nomura, Itsuro: *See—*

  Kubo, Kazuo; Nomura, Itsuro; Nishitani, Kunihiko; and Tsuboi, Noboru, 4,826,412, Cl. 418-180.000.

Nomura, Ituro: *See—*

  Kubo, Kazuo; Tsuboi, Noboru; Nishitani, Kunihiko; and Nomura, Ituro, 4,812,110, Cl. 418-1.000.

Nomura, Izumi: *See—*

  Yagi, Kiyoshi; Kanno, Toshiaki; Kanda, Masahiro; and Nomura, Izumi, 4,837,282, Cl. 525-265.000.

Nomura, Jun: *See—*

  Ihara, Keisuke; Alaki, Yasuhide; and Nomura, Jun, 4,840,381, Cl. 273-232.000.

Nomura, June; and Ihara, Keisuke, to Bridgestone Corporation. Golf ball. 4,869,512, 9-26-89, Cl. 273-232.000.

Nomura, Katsuhiko: *See—*

  Ueda, Toshiaki; Nomura, Katsuhiko; and Takaoka, Yukio, 4,863,812, Cl. 429-9.000.

Nomura, Kayoko: *See—*

  Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl 514-228.200.

Nomura, Kazuya: *See—*

  Yamanaka, Yasutoshi; Izumida, Teruo; and Nomura, Kazuya, 4,836,276, Cl. 165-51.000.

Nomura, Kenichi: *See—*

  Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.

Nomura, Kenji: *See—*

  Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.

  Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, 4,849,146, Cl. 264-81.000.

Nomura, Kunihiro; Machida, Tetsuo; Yamada, Kazunari; and Takekoshi, Toshio, to Hitachi, Ltd. Video system for displaying lower resolution video signals on higher resolution video monitors. 4,866,520, 9-12-89, Cl. 358-140.000.

Nomura, Kunihiro: *See—*

  Tabata, Kuniaki; Machida, Tetsuo; Hino, Masatoshi; and Nomura, Kunihiro, 4,808,989, Cl. 340-750.000.

Nomura, Kunio: *See—*

  Ota, Yoshio; Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,824,654, Cl. 423-432.000.

  Ota, Yoshio; Goto, Norifumi; Motoyama, Iwao; Iwashita, Tetsushi; and Nomura, Kunio, 4,857,291, Cl. 423-430.000.

Nomura, Masaaki: *See—*

  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,802,160, Cl. 369-284.000.

  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,808,456, Cl. 428-65.000.

  Yamamoto, Ryoichi; Nomura, Masaaki; Yamada, Takashi; and Nahara, Akira, 4,837,118, Cl. 428-645.000.

Nomura, Masahiro; and Maehashi, Yukio, to NEC Corporation. Coprocessor with dataflow circuitry controlling sequencing to execution unit of data received in tokens from master processor. 4,860,191, 8-22-89, Cl. 364-200.000.

Nomura, Masakatsu; Suda, Keiko; and Ashikaga, Tadashi, to Kabushiki Kaisha Meidensha. Induction motor control apparatus. 4,862,343, 8-29-89, Cl. 363-41.000.

Nomura, Masaki: *See—*

  Nakano, Akira; and Nomura, Masaki, 4,855,152, Cl. 426-261.000.

  Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, Minoru, 4,861,612, Cl. 426-607.000.

Nomura, Masaru; Deguchi, Toshihisa; and Terashima, Shigeo, to Sharp Kabushiki Kaisha. Tracking circuit for an optical information recording and reproducing apparatus. 4,849,953, 7-18-89, Cl. 369-46.000.

Nomura, Masaru: *See—*

  Minami, Hisashi; Deguchi, Toshihisa; Nomura, Masaru; and Hyuga, Takao, 4,864,125, Cl. 250-231.05E.

Nomura, Masayoshi: *See—*

  Hashimoto, Masashi; Kenji, Sasaki; and Nomura, Masayoshi, 4,882,710, Cl. 365-189.050.

  Hashimoto, Masashi; and Nomura, Masayoshi, 4,888,736, Cl. 365-189.010.

Nomura Micro Science Co., Ltd.: *See—*

  Kawai, Tomoji; Satoh, Hisao; and Ohta, Yosniharu, 4,863,608, Cl. 210-638.000.

Nomura, Noboru; Yamashita, Kazuhiro; Matsumura, Takayoshi; and Yamaguchi, Midori, to Matsushita Electric Industrial Co., Ltd. Exposure apparatus. 4,828,392, 5-9-89, Cl. 356-401.000.

Nomura, Noboru: *See—*

  Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.

  Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.

Nomura, Norimasa, to Kabushiki Kaisha Toshiba. Speech synthesis system of rule-synthesis type. 4,862,504, 8-29-89, Cl. 381-51.000.

Nomura, Osamu: *See—*

  Ichikawa, Kenji; Nomura, Osamu; Kawabe, Yoichiro; and Yanagawa, Koyo, 4,842,647, Cl. 106-38.200.

Nomura, Ryuichi: *See—*

  Miyoshi, Shoji; and Nomura, Ryuichi, 4,849,149, Cl. 264-210.500.

Nomura, Satoshi: *See—*

  Endo, Shigeru; Nomura, Satoshi; Ishigami, Shinji; and Karibe, Sonoko, 4,879,133, Cl. 426-653.000.

Nomura, Shinichi: *See—*

  Hanami, Osamu; Nomura, Shinichi; and Kogure, Toshiharu, 4,868,805, Cl. 369-53.000.

Nomura, Shinnya; Toyoda, Toshiro; and Ikenoya, Kazuhisa, to Kayaba Kogyo Kabushiki-Kaisha. Magnetic stroke sensor for detecting the stroke of a fluid-power cylinder. 4,839,591, 6-13-89, Cl. 324-208.000.

Nomura, Sumihiro: *See—*

  Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, 4,839,360, Cl. 514-252.000.

Nomura, Susumu, to Pioneer Electronic Corporation. Optical pickup device with tracking and focusing utilizing a photodetector having four regions. 4,815,060, 3-21-89, Cl. 369-46.000.

Nomura, Susumu: *See—*

  Maeda, Takanori; and Nomura, Susumu, 4,847,480, Cl. 250-201.000.

Nomura, Syosuke; Kajimoto, Shinshi; Okazaki, Susumu; and Yamamoto, Takeshi, to Mazda Motor Corporation. Automotive door handle. 4,867,501, 9-19-89, Cl. 296-146.000.

Nomura, Tomio: *See—*

  Hino, Takashi; Naito, Tsutomu; Kuroda, Hiroyuki; Tsushima, Eiki; and Nomura, Tomio, 4,822,587, Cl. 423-447.100.

Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, to Denki Kagaku Kogyo Kabushiki Kaisha. Heat-sensitive color developable composition. 4,816,501, 3-28-89, Cl. 523-406.000.

Nomura, Toshihiro: *See—*

  Fujii, Masaaki; and Nomura, Toshihiro, 4,866,592, Cl. 363-98.000.

Nomura, Toyokazu: *See—*

  Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Toda, Kazuo; Kamakura, Takuro; and Ota, Toshiaki, 4,812,387, Cl. 430-311.000.

Nomura, Yasuhiro: *See—*

  Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,839,373, Cl. 514-367.000.

  Ito, Yosuke; Nomura, Yasuhiro; and Katayama, Sakae, 4,866,081, Cl. 514-367.000.

Nomura, Yoshiharu; Aoki, Shigemasa; and Nishimura, Akira, to Earth Chemical Co., Ltd. Phenyl salicylate and benzyl salicylate as acaricidal agents. 4,800,196, 1-24-89, Cl. 514-159.000.

Nomura, Yoshihiro: *See—*

  Tomita, Masami; Nomura, Yoshihiro; Ide, Noriaki; and Ohtaki, Kazumi, 4,888,263, Cl. 430-106.000.

Nomura, Yoshihisa, to Toyota Jidosha Kabushiki Kaisha. Hydraulic booster equipped with emergency accumulator. 4,835,967, 6-6-89, Cl. 60-404.000.

Nomura, Yoshihisa: *See—*

  Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.

  Inoue, Yoshiaki; Nomura, Yoshihisa; Ise, Kiyotaka; and Otsuki, Hiromi, 4,865,397, Cl. 303-110.000.

  Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.

  Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.

  Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.

  Shirai, Kenji; and Nomura, Yoshihisa, 4,876,853, Cl. 60-547.100.

  Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.

Nomura, Yoshikazu: *See—*

  Takita, Masaaki; Tsuru, Yoshikazu; Kitagawa, Toshiharu; and Nomura, Yoshikazu, 4,881,831, Cl. 400-120.000.

Nomura, Yoshinori: *See—*

  Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.

Nomura, Yukihiro: *See—*

  Hoshi, Katsumasa; Nomura, Yukihiro; Kamei, Ryosuke; Shibano, Hiroshi; and Banba, Takeshi, 4,850,533, Cl. 239-33.000.

Nomura, Yukio: *See—*
Takemoto, Masayuki; Nagura, Osamu; Nomura, Yukio; and Yasuda, Minoru, 4,883,858, Cl. 528-322.000.
Nomura, Yutaka: *See—*
Okabe, Susumu; Satoh, Masaru; Yamakawa, Tomio; Nomura, Yutaka and Hayashi, Masatoshi, 4,824,856, Cl. 514-395.000.
Non-Invasive Therapeutic Techniques A/S: *See—*
Northeved, Allan; and Toftkjaer, Gert, 4,844,081, Cl. 128-660.030.
Non Nu, Inc.: *See—*
Chang, Haehie, 4,823,943, Cl. 206-5.000.
Nonaka, Ken-ichi: *See—*
Nishizawa, Jun-ichi; Tamamushi, Takashige; and Nonaka, Ken-ichi, 4,866,500, Cl. 357-38.000.
Nonaka, Masakatsu: *See—*
Shima, Kotaro; Ohba, Masaharu; and Nonaka, Masakatsu, 4,881,753, Cl. 280-707.000.
Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda, Kiyoshi, to Hitachi, Ltd.; and Hitachi Microsoftware Systems, Inc. Print control system. 4,829,468, 5-9-89, Cl. 364-900.000.
Nonaka, Nobuyuki: *See—*
Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, 4,840,959, Cl. 514-355.000.
Nonaka, Osamu, to Olympus Optical Co., Ltd. Distance measuring apparatus. 4,855,585, 8-8-89, Cl. 250-201.000.
Nonaka, Satoshi: *See—*
Tanaka, Fuminari; and Nonaka, Satoshi, 4,890,016, Cl. 307-443.000.
Nonaka, Tadashi: *See—*
Suzuki, Nobukazu; and Nonaka, Tadashi, 4,814,048, Cl. 204-28.000.
Nonaka, Terumoto; and Hotta, Tadahiko, to Nippon Gakki Seizo Kabushiki Kaisha. Semiconductor integrated circuit incorporating SITS. 4,807,011, 2-21-89, Cl. 357-45.000.
Nonaka, Terumoto: *See—*
Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, 4,806,860, Cl. 324-208.000.
Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; and Usui, Akira, 4,811,254, Cl. 364-560.000.
Nonaka, Toshihito: *See—*
Toyama, Koichi; Narita, Ko; and Nonaka, Toshihito, 4,809,668, Cl. 123-609.000.
Nonaka, Toshio: *See—*
Koshimizu, Chishio; Hayakawa, Yasuo; Nonaka, Toshio; and Takeda, Sakae, 4,862,383, Cl. 364-507.000.
Nonaka, Wataru; and Hirata, Eiichi, to Sony Corp. Video cassette auto-changer. 4,837,647, 6-6-89, Cl. 360-92.000.
Nonaka, Yasuhiko: *See—*
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Unnai, Takaaki; Nonaka, Yasuhiko; and Inoue, Eisuke, 4,816,715, Cl. 313-366.000.
Nonaka, Yuji: *See—*
Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.
Takematsu, Tetsuo; Nonaka, Yuji; Nakanishi, Akira; and Morinaka, Hideo, 4,826,859, Cl. 514-349.000.
Nonami, Hidetaka, to Kabushiki Kaisha Toshiba. Image erasing apparatus. 4,837,598, 6-6-89, Cl. 355-218.000.
Nonami, Hidetaka: *See—*
Watanabe, Junji; Nonami, Hidetaka; and Eguchi, Takeshi, 4,870,456, Cl. 355-245.000.
Nonami, Takayuki: *See—*
Furuno, Kenichi; Tooko, Yoshio; and Nonami, Takayuki, 4,819,174, Cl. 364-444.000.
Yoshida, Shigeyuki; Musha, Atsushi; and Nonami, Takayuki, 4,876,714, Cl. 379-433.000.
Nonami, Tetsuo: *See—*
Miyazaki, Akihiko; Nonami, Tetsuo; and Ikuno, Yuji, 4,873,572, Cl. 358-98.000.
Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.
Nonini, Geremia, to Danieli & C. Officine Meccaniche SpA. Plant for straightening and cutting to length rolled sections or bars. 4,872,330, 10-10-89, Cl. 72-131.000.
Nonini, Geremia: *See—*
Duri' , Antonino; and Nonini, Geremia, 4,879,893, Cl. 72-402.000.
Poloni, Alfredo; Nonini, Geremia; and Tomat, Ferruccio, 4,807,457, Cl. 72-128.000.
Nonn, Alain, to Rhone-Poulenc Chimie. Process for the preparation of hydroxybiphenyls. 4,853,487, 8-1-89, Cl. 568-730.000.
Nonn, Guenther: *See—*
Kiener, Volker; Nonn, Guenther; Seid, Bernhard; Schewski, Harald; and Buellmeyer, Karl, 4,871,373, Cl. 23-306.000.
Nonnweiler, Edward D.; and Leavell, Richard B., to General Electric Company. Hybrid interrupt handling for computer-controlled imaging system. 4,847,765, 7-11-89, Cl. 364-413.130.
Nonogaki, Mitsuhiro: *See—*
Doi, Makoto; Nakajima, Hiroyukio; Miyamoto, Fumiyuki; Oka, Seiji; and Nonogaki, Mitsuhiro, 4,882,389, Cl. 525-310.000.
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Nonomura, Yutaka; Tsukada, Kouji; Nishibe, Yuji; and Takeuchi, Masaharu, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Torque measuring apparatus. 4,803,885, 2-14-89, Cl. 73-862.360.
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Nonura, Akihiro, to Dainippon Screen Mfg. Co., Ltd. Method and apparatus for processing image data. 4,853,971, 8-1-89, Cl. 382-56.000.
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Noon, Robert A.; Crowley, Patrick J.; and Worthington, Diana M., to Imperial Chemical Industries PLC. Triazole and imidazole compounds. 4,855,510, 8-8-89, Cl. 568-663.000.
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Dong, Dennis F.; Noonan, Edward B.; Rogers, Derek J.; Clifford, Arthur L.; Benesch, Katharina; and Loftfield, Richard E., 4,872,957, Cl. 204-84.000.
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Noone, Tom, to MacGregor Golf Company. Supports for golf shoes to restrain rollout during a golf backswing and to resist excessive weight transfer during a golf downswing. 4,866,861, 9-19-89, Cl. 36-127.000.
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Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Stephen J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitlin, James A., 4,873,633, Cl. 364-413.080.
Noordermeer, Michael N. A. One-piece high-solids nebulizer. 4,880,164, 11-14-89, Cl. 239-423.000.
Noorily, Peter, to Thomas & Betts Corporation. Panel mounted electrical connector including means for providing an indication of correct conductor termination. 4,820,193, 4-11-89, Cl. 439-488.000.
Noorily, Peter, to Thomas & Betts Corporation. Apparatus for tapping or splicing undercarpet cable. 4,826,559, 5-2-89, Cl. 156-433.000.
Nootbaar, Keith D., to Motorola, Inc. LSI array having power down capability. 4,801,820, 1-31-89, Cl. 307-296.00R.
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Kao, James T. F.; and Raff, Dwight E., II, 4,870,209, Cl. 564-439.000.
Norand Corporation: *See—*
Conway, David W., 4,890,217, Cl. 363-143.000.
Danielson, Arvin D.; and Durbin, Dennis A., 4,877,949, Cl. 235-462.000.
Hacker, David C., 4,845,419, Cl. 320-39.000.
Hanson, George E., 4,823,007, Cl. 250-327.200.
Koenck, Steven E., 4,885,523, Cl. 320-21.000.
White, Jonathan R., 4,882,476, Cl. 235-462.000.
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Peacey, John G.; and Harris, G. Bryn, 4,800,003, Cl. 204-70.000.
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Norbury, R. James; and Pendergrass, Daniel B., Jr., to Minnesota Mining and Manufacturing Company. Liquid transfer device. 4,878,775, 11-7-89, Cl. 401-132.000.
Norbut, Jerry. Conveyor system. 4,844,239, 7-4-89, Cl. 198-842.000.
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Fox, Robert, 4,828,076, Cl. 188-32.000.
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Norcross, Robert A., Jr., to Norcross Corporation. Control circuitry. 4,800,290, 1-24-89, Cl. 307-43.000.
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Nord, Mark S.: *See—*
Nord, Keith W.; and Nord, Mark S., 4,863,012, Cl. 198-781.000.
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Langner, Bernd; May, Artur; and Wilde, Rene-Holger, 4,818,280, Cl. 75-0.50A.
Langner, Bernd; Stantke, Peter; Reinking, Ernst-Friedrich; and Kunst, Gunther, 4,834,842, Cl. 204-1.00T.
Muschelknautz, Edgar; Becker, Ernst; Bartsch, Adalbert; Kersten, Lars; Gospos, Georg; and Berndt, Gerhard, 4,871,147, Cl. 266-182.000.
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Nordeborn, Krister; and Akesson Knut-Olof, to Saab-Scania Aktiebolag. Control device for a main-light circuit of a motor vehicle. 4,870,296, 9-26-89, Cl. 307-10.800.
Norden, Alexander R., to Connectron, Inc. Terminal blocks for one-side wire entry and screw access. 4,810,212, 3-7-89, Cl. 439-709.000.
Norden, Alexander R., to Connectron, Inc. Push nuts and push-nut fasteners. 4,826,379, 5-2-89, Cl. 411-366.000.
Norden, Alexander R., to Connectron, Inc. Switching fusible apparatus. 4,861,285, 8-29-89, Cl. 439-621.000.
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Norden, Howard P., Jr. Door locking mechanism. 4,796,445, 1-10-89, Cl. 70-94.000.
Norden Laboratories, Inc.: *See—*
Brown, Albert L.; Frantz, Joseph C.; and Peetz, Richard H., 4,888,169, Cl. 424-92.000.
Gerber, Jay D., 4,806,350, Cl. 424-88.000.
Norden Packaging Machinery AB: *See—*
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Norden-Paul, Ronald E.; Fein, Murray A., and Stewart, Sandra L., to Emtek Health Care Systems. Method for generating patient-specific flowsheets by adding/deleting parameters. 4,878,175, 10-31-89, Cl. 364-413.010.
Nordfang, Ole; and Rasmussen, Mirella E. Preparation for the treatment of hemophilia A inhibitor patients and a process for producing such a preparation. 4,831,119, 5-16-89, Cl. 530-383.000.
Nordhaus, John P., to Scot, Incorporated. Mechanically actuated laser initiator. 4,858,244, 8-15-89, Cl. 372-77.000.
Nordhaus, John P.: *See—*
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Nordholm, Ken; and Eyers, Bud, to Talkie Tooter (Canada) Ltd. Motion and position sensing alarm. 4,884,067, 11-28-89, Cl. 340-686.000.
Nordholt, Ernst H., to U.S. Philips Corporation. Oscillator circuit. 4,870,383, 9-26-89, Cl. 331-116.00R.
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Nordic Boat Company, Inc.: *See—*
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Nordica International, Inc.: *See—*
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Baggio, Giorgio; and Baratto, Mirko, 4,841,649, Cl. 36-117.000.
Baggio, Giorgio; and Baratto, Mirko, 4,884,760, Cl. 242-54.00R.
Balbinot, Renzo, 4,862,603, Cl. 36-2.600.
Pozzobon, Alessandre; and Gorza, Roberto, 4,870,723, Cl. 24-68.0SK.
Pozzobon, Alessandro; and Manfre, Pietro, 4,796,829, Cl. 242-100.000.
Pozzobon, Alessandro; and Gorza, Roberto, 4,826,098, Cl. 242-99.000.
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Sartor, Mariano, 4,825,566, Cl. 36-117.000.
Sartor, Mariano; and Tonel, Valerio, 4,882,857, Cl. 36-120.000.
Sartor, Mariano; and Gonella, Mario, 4,885,850, Cl. 36-119.000.
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Nordischer Maschinenbau Rud. Baader GmbH & Co. KG: *See—*
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Behnk, Gunter; and Nuske, Dieter, 4,856,145, Cl. 17-57.000.
Braeger, Horst, 4,825,510, Cl. 17-57.000.
Callsen, Hans; and Muuss, Peter, 4,856,143, Cl. 17-11.000.
Franke, Rolf, 4,826,595, Cl. 210-386.000.
Hartmann, Franz; and Wulff, Dieter, 4,837,898, Cl. 17-58.000.
Jurs, Michael, 4,835,817, Cl. 17-62.000.
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Nordlof, Richard D.; Reding, Gary D.; and MacDonald, Jeffery S., to Rapid-Air Corporation. Stock feed apparatus. 4,804,898, 2-14-89, Cl. 318-569.000.
Nordlund, James J.; and Rheins, Lawrence A., to University of Cincinnati. Method of using melanocyte stimulating hormone as dermatis treatment. 4,874,744, 10-17-89, Cl. 514-13.000.
Nordman, Dennis, to Bally Midway Mfg. Co. Flipper with aiming markings. 4,828,263, 5-9-89, Cl. 273-119.00A.
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Nordman, Robert: *See—*
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Nordmann, Adolf, to Rheinmetall GmbH. Magazine chain for ammunition. 4,885,976, 12-12-89, Cl. 89-35.010.
Nordmann, Adolf: *See—*
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Nordmann, Heidelinde. Process for improving the properties of cotton textile materials. 4,865,615, 9-12-89, Cl. 8-116.100.
Nordmann, Uwe H.: *See—*
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Nordmark Arzneimittel GmbH: *See—*
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Nordmeyer, Manfred; and Grune, Helmut, to Lieder-Maschinenbau GmbH & Co. KG. Machine for filling receptacles with flowable materials and method of cleaning the machine. 4,842,026, 6-27-89, Cl. 141-1.000.

- Nordmeyer, Manfred: *See—*
  - Grune, Helmut; and Nordmeyer, Manfred, 4,867,351, Cl. 222-307.000.
- Nordmeyer, Robert, to Ski Tote USA. Ski carrier. 4,842,315, 6-27-89, Cl. 294-147.000.
- Nordmyer, Robert: *See—*
  - Nicholson, Donald; and Nordmyer, Robert, 4,822,571, Cl. 422-119.000.
  - Nicholson, Donald; and Nordmyer, Robert, 4,825,528, Cl. 29-453.000.
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  - Nicholson, Donald; Nordmyer, Robert; and Boyle, Greg, 4,828,804, Cl. 422-264.000.
- Nordquist, Andrew F.; and Pierantozzi, Ronald, to Air Products and Chemicals, Inc. Process for the disproportionation of alkylated aromatic primary amines. 4,801,751, 1-31-89, Cl. 564-305.000.
- Nordquist, Douglas W.: *See—*
  - Durant, Douglas M.; Kugler, Uwe H.; Vaughn, Bennie J.; Nordquist, Douglas W.; and Delfs, Larry M., 4,881,573, Cl. 137-614.040.
- Nordsec Security AB: *See—*
  - Ivarsson, Lennart; and Lundqvist, Rolf, 4,806,168, Cl. 106-104.000.
- Nordsiek, Karl-Heinz: *See—*
  - Hellermann, Walter; Herrmann, Christoph; Fuchs, Hans-Bernd; Nordsiek, Karl-Heinz; Wolpers, Jurgen; and von Portatius, Hans-Eberhard, 4,814,386, Cl. 525-258.000.
- Nordskog, Robert A. Disposable beverage brewing chamber. 4,867,993, 9-19-89, Cl. 426-77.000.
- Nordson Corporation: *See—*
  - Akasaki, Toshiro; Matsunaga, Masafumi; Watanabe, Takashi; and Matsushima, Hironari, 4,859,266, Cl. 156-273.100.
  - Binder, John J.; and Kaiser, Thomas A., 4,873,937, Cl. 118-44.000.
  - Boger, Bentley J., 4,815,660, Cl. 239-8.000.
  - Boger, Bentley J.; and Petrecca, Peter J., 4,874,451, Cl. 156-291.000.
  - Burke, Richard D., 4,887,363, Cl. 34-57.00A.
  - Crum, Gerald W.; and Traylor, John C., 4,830,279, Cl. 239-3.000.
  - Fetcenko, Raymond M.; Wydro, Jan; and Zuponcic, Ralph P., 4,888,082, Cl. 156-500.000.
  - French, Gordon K., 4,836,440, Cl. 229-132.000.
  - Gacka, Mark; Hollstein, Thomas E.; and Traylor, John C., 4,815,666, Cl. 239-697.000.
  - Hadzimihalis, Theodore M.; and Scholl, Charles H., 4,844,004, Cl. 118-315.000.
  - Kolibas, James A., 4,830,055, Cl. 137-884.000.
  - Lewis, William A.; and Baker, Robert G., 4,801,051, Cl. 222-309.000.
  - Merkel, Stephen L., 4,842,162, Cl. 222-1.000.
  - Meyers, Reuven I., 4,871,380, Cl. 55-350.000.
  - Miller, Scott R.; and Dunn, Robert A., 4,821,922, Cl. 222-77.000.
  - Miller, Scott R.; and Dunn, Robert A., 4,883,200, Cl. 222-77.000.
  - Murphy, James C., 4,811,898, Cl. 239-3.000.
  - Ruud, Jan, 4,886,215, Cl. 239-690.100.
  - Scholl, Charles H.; and Regan, Donald J., 4,850,514, Cl. 222-146.500.
  - Sharpless, John; Knobbe, Alan J.; White, Kenneth A.; and Crum, Gerald W., 4,819,879, Cl. 239-691.000.
  - Sharpless, John, 4,824,295, Cl. 406-109.000.
  - Shimada, Takaji, 4,880,663, Cl. 427-96.000.
  - Siemann, Bernd, 4,830,219, Cl. 222-55.000.
  - Takada, Koichiro, 4,800,102, Cl. 427-197.000.
  - Turner, James J.; McMillan, Guy H.; Pintelon, Joseph A. E.; Waryu, Joseph C.; Kennon, James L.; and Muller, Peter E., 4,886,013, Cl. 118-668.000.
  - Wacker, Robert L.; Shuster, Donald E.; Sharpless, John; Knobbe, Alan J.; and Murphy, James C., 4,887,770, Cl. 239-703.000.
- Nordstrom, Anders: *See—*
  - Hay, Eric; and Nordstrom, Anders, 4,834,371, Cl. 273-85.00B.
- Nordstrom, Arnold, to Ancra Corporation. Airplane cargo handling system. 4,805,852, 2-21-89, Cl. 244-137.100.
- Nordstrom, Arnold, to Ancra Corporation. Cargo handling system. 4,878,635, 11-7-89, Cl. 244-137.100.
- Nordstrom, Karl-Johan; and Torstenfelt, Ragnar, to ABB Stal AB. Gas turbine with link attachment of a sealing ring in a guide vane ring. 4,863,342, 9-5-89, Cl. 415-134.000.
- Nordstrom, Kjell H., to Flintab AB. Rocker pin load cell. 4,804,053, 2-14-89, Cl. 177-211.000.
- Nordstrom, Mark B.; and Patzelberger, Guenther E., to Samsonite Corporation. Luggage identification system. 4,828,081, 5-9-89, Cl. 190-102.000.
- Nordstrom, Torbjorn, to Alfa-Laval Separation AB. Centrifugal separator. 4,820,256, 4-11-89, Cl. 494-3.000.
- Nordvall, Jan O., to ASEA Aktiebolag. Magnetoelastic force transducer. 4,802,368, 2-7-89, Cl. 73-862.690.
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- Nordway, Inc.: *See—*
  - Nord, Keith W.; and Nord, Mark S., 4,863,012, Cl. 198-781.000.
- Nordyne, Inc.: *See—*
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- Nor'Eastern Trawl Systems, Inc.: *See—*
  - West, Charles W.; and Loverich, Gary F., 4,805,335, Cl. 43-9.000.
- Noreen, Allen L.: *See—*
  - Brinduse, Steven P.; Clinch, Anthony B.; McIntyre, Daniel K.; Noreen, Allen L.; and Pellerite, Mark J., 4,820,588, Cl. 428-422.000.
- Norefors, Ulf-Goran: *See—*
  - Brantmark, Hkan; Lindqvist, Ake; and Norefors, Ulf-Goran, 4,888,708, Cl. 364-513.000.
- Noreikat, Karl-Ernst: *See—*
  - Hafner, Gunther; Noreikat, Karl-Ernst; and Bauer, Bernhard, 4,829,962, Cl. 123-425.000.
- Norelli, Robert A. Safety cover for syringe needles. 4,820,277, 4-11-89, Cl. 604-192.000.
- Norem, Stanley D.; Ferranti, Richard T.; and Culmo, Robert F., to Perkin-Elmer Corporation, The. Apparatus for analysis of organic material. 4,795,614, 1-3-89, Cl. 422-94.000
- Norem, Stanley D.; and Bullinger, Henry W., to Perkin-Elmer Corporation, The. Thermal conductivity detector. 4,813,267, 3-21-89, Cl. 73-23.100.
- Noren, Gerry K.: *See—*
  - Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E., 4,806,574, Cl. 522-96.000.
- Noren, Jan-Olof: *See—*
  - Johansson, Karl N.; Lindborg, Bjorn G.; and Noren, Jan-Olof, 4,798,833, Cl. 514-262.000.
- Noren, Tore H., to Stero Company, The. Low energy, low water consumption warewasher and method. 4,810,306, 3-7-89, Cl. 134-25.200.
- Noren, Tore H., to Hobart Corporation. Low energy, low water consumption warewasher. 4,872,466, 10-10-89, Cl. 134-57.00D.
- Norena, Alfonso G. System for releasing an anchor moored to the bottom of the sea. 4,846,093, 7-11-89, Cl. 114-294.000.
- Norenberg, Marye S.: *See—*
  - Fogt, Eric J.; Norenberg, Marye S.; Untereker, Darrel F.; and Coury, Arthur J., 4,846,182, Cl. 128-632.000.
- Norfab A/S: *See—*
  - Overgaard, Arvid, 4,796,544, Cl. 110-196.000.
- Norfolk Scientific, Inc.: *See—*
  - Kelley, Thomas F.; and Scott, Robert L., 4,846,974, Cl. 210-380.100.
  - Kelley, Thomas F., 4,884,827, Cl. 283-81.000.
- Norgard, Michael V., to Board of Regents, The University of Texas System. Cloning and expression of the 47-kilodalton antigen of treponema pallidum. 4,868,118, 9-19-89, Cl. 435-252.330.
- Norges Teknisk-Naturvitenskapelige Forskningsråd: *See—*
  - Gjessing, Dag K. T.; and Hjelmstad, Jens F., 4,829,306, Cl. 342-159.000.
- Norgren, Mari E.: *See—*
  - Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
- Norgren Martonair Limited: *See—*
  - Wates, Michael J., 4,827,965, Cl. 137-88.000.
- Noriaki, Hattori: *See—*
  - Ryoichi, Kimura; Noriaki, Hattori; and Kazuharu, Watanabe, 4,868,862, Cl. 379-58.000.
- Norian Corporation: *See—*
  - Constantz, Brent R., 4,880,610, Cl. 423-305.000.
- Norigoe, Masamitsu: *See—*
  - Kakuda, Yoshiaki; Wakahara, Yasushi; and Norigoe, Masamitsu, 4,802,162, Cl. 371-15.000.
- Norikane, Lynne: *See—*
  - Zebker, Howard A.; Held, Daniel N.; van Zul, Jakob J.; Dubois, Pascale C.; and Norikane, Lynne, 4,829,303, Cl. 342-25.000.
- Norimatsu, Kohji: *See—*
  - Funahashi, Masaya; Miyata, Teruhisa; Inoue, Kenichi; Miyake, Akira; and Norimatsu, Kohji, 4,797,321, Cl. 428-328.000.
- Norimatsu, Takashi, to Yamaha Corporation. Electronic musical instrument having playing and parameter adjustment modes. 4,873,904, 10-17-89, Cl. 84-722.000.
- Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Solid state image sensor drive apparatus. 4,809,077, 2-28-89, Cl. 358-213.260.
- Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Focus condition detecting device. 4,835,562, 5-30-89, Cl. 354-408.000.
- Norita, Toshio: *See—*
  - Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
  - Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, 4,862,204, Cl. 354-408.000.
  - Ishida, Tokuji; and Norita, Toshio, 4,862,273, Cl. 358-213.190.
  - Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, 4,808,808, Cl. 250-201.000.
  - Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, 4,882,601, Cl. 354-407.000.
  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,816,861, Cl. 354-408.000.
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  - Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, 4,851,657, Cl. 250-201.000.

- Noritake Co., Ltd.: *See—*
  - Hattori, Yoshiaki; and Ishihara, Makoto, 4,859,243, Cl. 106-110.000.
  - Hirano, Masanori; and Inada, Hiroshi, 4,820,666, Cl. 501-104.000.
  - Kani, Yasuyuki; Ohdake, Eishu; and Miyakawa, Seiichi, 4,811,158, Cl. 361-230.000.
- Noritsu Kenkyu Center Co., Ltd.: *See—*
  - Ishikawa, Masazumi; and Kawashima, Mitsuji, 4,796,041, Cl. 354-320.000.
  - Mano, Kozo, 4,846,3[illegible]7, Cl. 226-199.000.
  - Takenouchi, Touru; and Miyawaki, Hiroshi, 4,863,085, Cl. 226-92.000.
  - Yamamoto, Yuji, 4,798,375, Cl. 271-82.000.
- Noritsu Koki Co., Ltd.: *See—*
  - Murakami, Hajime; Takenouchi, Tooru; and Ikeura, Hiroo, 4,811,057, Cl. 355-71.000.
- Norkey, Phillip J., to Edwards Industries, Inc. Quick connect fluid coupling. 4,819,908, 4-11-89, Cl. 251-149.600.
- Norkey, Phillip J.: *See—*
  - Bocson, David A.; and Norkey, Phillip J., 4,846,506, Cl. 285-4.000.
- Norkoski, Joseph: *See—*
  - Hood, Stephen K.; Norkoski, Joseph; and Arnold, Halan P., 4,840,008, Cl. 53-137.000.
- Norkus, Christopher P., to W. R. Grace & Co. Apparatus for attaching a printing blanket to a printing cylinder. 4,829,896, 5-16-89, Cl. 101-486.000.
- Norkus, Christopher P., to W. R. Grace & Co.-Conn. Apparatus for attaching a printing blanket to a printing cylinder. 4,870,901, 10-3-89, Cl. 101-415.100.
- Norland, Richard S., to Federal-Mogul Corporation. Vacuum system for pavement grooving machine. 4,827,559, 5-9-89, Cl. 15-322.000.
- Norling, Brian L., to Sundstrand Data Control, Inc. Unitary push-pull force transducer. 4,879,914, 11-14-89, Cl. 73-862.590.
- Norling, Brian L.: *See—*
  - Hanson, Richard A.; Peters, Rex B.; Norling, Brian L.; and Urbach, Edward A., 4,872,342, Cl. 73-517.00R.
  - Hulsing, Rand H., II; Peters, Rex B.; and Norling, Brian L., 4,881,408, Cl. 73-517.0AV.
- Normag Corporation: *See—*
  - Fox, Steve A., 4,875,782, Cl. 374-148.000.
- Normalair-Garrett (Holdings) Limited: *See—*
  - Furlong, Owen D.; and Searle, Robin H. J., 4,823,593, Cl. 73-23.000.
  - Hamlin, Humphrey A. S., 4,858,606, Cl. 128-204.290.
- Norman, Alan B.; Griffith, David W., Jr.; Holt, Dewey L.; Reynolds, John H., IV; and Sears, Stephen B., to R. J. Reynolds Tobacco Company. Smoking machine. 4,858,628, 8-22-89, Cl. 131-329.000.
- Norman, Alan B.: *See—*
  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
- Norman, Dale D.: *See—*
  - Wankmuller, Richard N.; and Norman, Dale D., 4,862,568, Cl. 29-26.00B.
- Norman, Daniel C.: *See—*
  - Gangsaas, Dagfinn; and Norman, Daniel C., 4,821,981, Cl. 244-76.00C.
- Norman, Ella N.: *See—*
  - Watkins, Lester, 4,842,441, Cl. 404-98.000.
- Norman, James M. Oil and water separator having plural nested tanks. 4,844,819, 7-4-89, Cl. 210-801.000.
- Norman, John A. T.; and Stevens, Robert E., to Air Products and Chemicals, Inc. Novel metal-diketone absorbents for carbon monoxide or olefins. 4,845,254, 7-4-89, Cl. 556-41.000.
- Norman, John A. T.; and Stevens, Robert E., to Air Products and Chemicals, Inc. Novel metal-diketone absorbents for carbon monoxide. 4,877,425, 10-31-89, Cl. 55-68.000.
- Norman, John S., to Ammco Tools, Inc. Portable brake disc resurfacing tool. 4,854,199, 8-8-89, Cl. 82-112.000.
- Norman, John S.: *See—*
  - Bogaerts, Leo C.; Murphy, John W.; and Norman, John S., 4,867,021, Cl. 82-112.000.
- Norman, Kevin A., to Altera Corporation. Programmable integrated circuit micro-sequencer device. 4,831,573, 5-16-89, Cl. 364-716.000.
- Norman, Kevin A.; So, Hock-Chuen; Veenstra, Kerry S.; and Wong, Sau-Ching, to Altera Corporation. Multifunction flip-flop-type circuit. 4,864,161, 9-5-89, Cl. 307-272.200.
- Norman, Laurence L. Lightweight corrugated planter. 4,825,588, 5-2-89, Cl. 47-66.000.
- Norman, Lewis R.: *See—*
  - Hollenbeck, Keith H.; and Norman, Lewis R., 4,809,783, Cl. 166-307.000.
- Norman, Lowell R., to Pure Concepts, Inc. Instantly stable, quickly erectable and quickly collapsible portable structure. 4,825,892, 5-2-89, Cl. 135-104.000.
- Norman, Murry A. Binary symbols for numbers. 4,872,150, 10-3-89, Cl. 364-223.000.
- Norman, Peter J., to Bendix Electronics Limited. Disposable air cleaner with one piece housing. 4,826,517, 5-2-89, Cl. 55-418.000.
- Norman, Richard O., to Environmental Delivery Systems, Inc. Fluid spray system having a replaceable cartridge. 4,878,619, 11-7-89, Cl. 239-318.000.
- Norman, Richard O.: *See—*
  - Chesnut, Milton L.; Schroeder, Alfred A.; and Norman, Richard O., 4,811,168, Cl. 361-399.000.
- Norman, Robert A., to Lisle Corporation. Brake mechanism for a creeper. 4,815,569, 3-28-89, Cl. 188-5.000.
- Norman, Robert I.: *See—*
  - Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.
- Normand, Gerard; and Persuy, Michel, to Acticiel S.A. Device for reading and distributing cards, in particular playing cards. 4,822,050, 4-18-89, Cl. 273-149.00P.
- Normandin, Richard J.: *See—*
  - Harris, Stephen E.; Young, James F.; and Normandin, Richard J., 4,802,183, Cl. 372-57.000.
- Normandin, Richard J. F., to Canadian Patents and Development Ltd. All-optical modulator with a channel waveguide. 4,867,515, 9-19-89, Cl. 350-96.130.
- Normandin, Sharon E., to Eastman Kodak Company. Photographic silver halide material and process. 4,871,652, 10-3-89, Cl. 430-387.000.
- Normann, Erling C.: *See—*
  - Nilsen, Trond; and Normann, Erling C., 4,875,354, Cl. 72-180.000.
- Normann, George W., Jr., to George Normann & Associates. Method of making a multiplet jewelry product with internally embedded visual indicia. 4,809,417, 3-7-89, Cl. 29-160.600.
- Normann, Norbert; Gross, Erwin; and Schlager, Harald, to Doduco KG. Dr. Eugen Durrwachter. Magnetic instrument for reading telegraphic signals. 4,862,303, 8-29-89, Cl. 360-110.000.
- Normark, Jan S.: *See—*
  - Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.
- Normington, Glyn; Speed, Robin C. B.; and Tuttle, Graham H., to International Business Machines Corporation. Pipeline display control apparatus with logic for blocking graphics processor accesses to shared memory during selected main processor graphics operations. 4,811,205, 3-7-89, Cl. 364-900.000.
- Norn, Svend: *See—*
  - Skov, Per S.; Norn, Svend; and Weeke, Bent, 4,869,875, Cl. 422-58.000.
- Noro, Katsuhiko: *See—*
  - Shino, Masami; Takano, Hideaki; Nakata, Jitsuo; and Noro, Katsuhiko, 4,874,592, Cl. 423-262.000.
- Noro, Masao, to Yamaha Corporation. Amplifying circuit. 4,803,441, 2-7-89, Cl. 330-257.000.
- Noro, Masao, to Yamaha Corporation. Dither circuit using dither including signal component having frequency half of sampling frequency. 4,812,846, 3-14-89, Cl. 341-131.000.
- Noro, Shoji; and Mukaiyama, Shigemi, to Asahi Kasei Kogyo Kabushiki Kaisha. Polishing cloth and method. 4,842,678, 6-27-89, Cl. 156-636.000.
- Noro, Shuhei: *See—*
  - Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.
- Noro, Teruo: *See—*
  - Itagaki, Teruo; and Noro, Teruo, 4,800,563, Cl. 371-13.000.
- Norota, Kazuhiko; Yoshioka, Mamoru; and Ohnaka, Hidemi, to Toyota Jidosha Kabushiki Kaisha. Diagnosis device for an internal combustion engine exhaust gas recycling device. 4,825,841, 5-2-89, Cl. 123-571.000.
- Norpol Technic A/S: *See—*
  - Knak, Torben; and Ludvig, Naess, 4,810,017, Cl. 294-82.270.
- Norprint International Limited: *See—*
  - Holmes, Peter G.; Lowe, Michael; and Donaghue, Christopher, 4,882,861, Cl. 40-299.000.
- Norquest, Robert C.; and Coverdale, Kevin M., to Playtex Family Products Corporation. Tampon applicator wrap. 4,881,644, 11-21-89, Cl. 206-363.000.
- Norqvist, Anders: *See—*
  - Roffey, Roger; Olofsson, Goran; Norqvist, Anders; and Hulten, Goran, 4,808,538, Cl. 436-6.000.
- Norrby, Erling: *See—*
  - Karlsson, Karl-Anders; Norrby, Erling; and Wadell, Goran, 4,859,769, Cl. 536-53.000.
- Norrie, Lyle W., to Knud Simonsen Industries Limited. Method and apparatus for washing carcasses. 4,829,637, 5-16-89, Cl. 17-51.000.
- Norrie, Lyle W., to Knud Simonsen Industries Limited. Carcass conveyor for chilling chamber. 4,838,036, 6-13-89, Cl. 62-63.000.
- Norris, Andrew P.; and Smith, Martin S., to STC PLC. Wide band antenna. 4,803,494, 2-7-89, Cl. 343-770.000.
- Norris, Brian; Martinez, Romulo M.; and Gojny, Francis J., to Rohr Industries, Inc. Method of jointing titanium aluminide structures. 4,869,421, 9-26-89, Cl. 228-181.000.
- Norris, David, to Advanced Micro Devices, Inc. Propagating FIFO storage device. 4,805,139, 2-14-89, Cl. 365-78.000.
- Norris, David M.: *See—*
  - Heilman, Thomas R.; and Norris, David M., 4,866,596, Cl. 364-184.000.
  - Heilman, Thomas R.; and Norris, David M., 4,885,677, Cl. 364-184.000.
- Norris, Eugene E.: *See—*
  - Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

- Norris, Fanny: *See—*
  - Norris, Kjeld; Thim, Lars; Norris, Fanny; Hansen, Mogens T.; and Moody, Alister J., 4,826,763, Cl. 435-68.000.
- Norris, Harold G., Jr. Method for converting a digging boom to a lifting boom. 4,880,123, 11-14-89, Cl. 212-177.000.
- Norris, James M.: *See—*
  - Monticolombi, Carlo G.; and Norris, James M., 4,805,910, Cl. 273-153.00R.
- Norris, John J. Portable manway cover handling apparatus. 4,865,513, 9-12-89, Cl. 414-684.300.
- Norris, Kjeld; Thim, Lars; Norris, Fanny; Hansen, Mogens T.; and Moody, Alister J., to Novo Industri A/S. Process for preparing glucagon or fragments or derivatives thereof in yeast. 4,826,763, 5-2-89, Cl. 435-68.000.
- Norris, Lawrence G.: *See—*
  - Ovshinsky, Stanford R.; and Norris, Lawrence G., 4,853,785, Cl. 358-213.110.
- Norris, Michael A.: *See—*
  - Bendickson, Roy B.; Wahoski, Edward S.; and Norris, Michael A., 4,863,267, Cl. 356-155.000.
- Norris, Michael B.: *See—*
  - Carroll, James R.; McGinnis, Leon W.; Miller, Terry L.; and Norris, Michael B., 4,886,699, Cl. 428-228.000.
- Norris, Philip R., to Polaroid Corporation. Method and apparatus for feeding card. 4,800,551, 1-24-89, Cl. 369-77.100.
- Norris, Philip R., to Polaroid Corporation. Printer having reversible driving mechanism. 4,804,982, 2-14-89, Cl. 346-160.000.
- Norris, Philip R., to Polaroid Corporation. Printer apparatus having foldable catcher assembly. 4,847,632, 7-11-89, Cl. 346-107.00R.
- Norris, Philip R., to Polaroid Corporation. Reversible driving mechanism for electronic printer. 4,868,586, 9-19-89, Cl. 346-145.000.
- Norris, Richard E.: *See—*
  - Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Pousson, Michael W., Jr.; and Wagner, Robert E., 4,837,680, Cl. 364-200.000.
- Norris, Richard G.; Webb, Monty F.; and Le, Vinh Q., to Teccor Electronics, Inc. Electronic trigger switch for maintenance termination unit. 4,827,497, 5-2-89, Cl. 379-26.000.
- Norris, Richard M.; Rumford, Kimball J.; and Youd, Douglass S., to Avco Corporation. Anti-icing valve. 4,831,819, 5-23-89, Cl. 60-39.093.
- Norris, Richard M.; Rumford, Kimball J.; and Youd, Douglass S., to Avco Corporation. Method of operating anti-icing valve. 4,852,343, 8-1-89, Cl. 60-79.020.
- Norris, Robert D.; Brown, Richard A.; and Hoag, George E., to International Technology Corporation. Apparatus and method for confining and decontaminating soil. 4,849,360, 7-18-89, Cl. 435-264.000.
- Norrish, Richard J.; and Wiskich, Joseph T., to Luminis Pty. Limited. Measurement of fluorescence. 4,804,850, 2-14-89, Cl. 250-459.100.
- Norrmen, Kjell, to Ahlstromforetagen Svenska AB. Falling film evaporator of the vertical-tube type. 4,810,327, 3-7-89, Cl. 159-13.300.
- Norsaire Systems: *See—*
  - Acker, Robert M.; and Madron, John P., 4,846,266, Cl. 165-115.000.
- Norsk Averflate Teknikk A/S (NOT): *See—*
  - Miller, John B.; and Vennesland, Oystein, 4,865,702, Cl. 204-147.000.
- Norsk Hydro A.S.: *See—*
  - Allgauer, Hans; Kremnitz, Harald; and Obersberger, Martin, 4,821,797, Cl. 165-141.000.
  - Asbjornsen, Odd A., 4,842,417, Cl. 374-139.000.
  - Auran, Lars; Rod, Ivar O.; Tangen, Ole; and Gravem, Alf E., 4,810,284, Cl. 75-0.50C.
  - Boe, Einar, 4,846,364, Cl. 220-5.00A.
  - Boe, Einar, 4,889,197, Cl. 175-267.000.
  - Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, 4,874,780, Cl. 514-452.000.
  - Clausen, Edvin L., 4,856,824, Cl. 285-137.100.
  - Ekman, Bo; and Lindahl, Ake, 4,822,535, Cl. 264-4.300.
  - Juel, Anders; and Omdal, Bjarne, 4,832,506, Cl. 383-17.000.
  - Sandvik, Eystein, 4,816,129, Cl. 204-243.00R.
- Norsk Proco AS: *See—*
  - Berg, Johannes G.; and Smith-Johannsen, Robert, 4,820,345, Cl. 106-18.120.
- Norsolor: *See—*
  - Hurtel, Patrice; Hazan, Charles; de Champs, Francois; and Paul, Jean-Michel, 4,851,568, Cl. 560-222.000.
  - Hurtel, Patrice; Laurent, Denis; and Rondini, Joseph, 4,857,239, Cl. 562-896.000.
  - Hurtel, Patrice; and Laurent, Denis, 4,859,796, Cl. 564-204.000.
  - Marotel, Yves; Hurier, Francis; Mansot, Jean-Louis; and Martin, Jean-Michel, 4,824,585, Cl. 252-39.000.
  - Petit, Michele; Mortreux, Andre; Petit, Francis; and Buono, Gerard, 4,877,908, Cl. 568-814.000.
  - Robinet, Jean-Claude, 4,868,036, Cl. 428-220.000.
- Norstrom, Svenn A.: *See—*
  - Estabrook, Robert M.; Furtmann, Terrence J.; and Norstrom, Svenn A., 4,888,539, Cl. 318-685.000.
- Norsworthy, Jase O. Device and system for encoding a substrate with an ink. 4,885,459, 12-5-89, Cl. 235-495.000.
- Norsworthy, Karla J.: *See—*
  - Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.
- Nortek Corporation: *See—*
  - Suprono, Paul W., 4,824,057, Cl. 248-62.000.
- Nortey, Narku O., to Farrel Corporation. Optimized four-wing, non-intermeshing rotors for synchronous drive at optimum phase relation in internal batch mixing machines. 4,834,543, 5-30-89, Cl. 366-97.000.
- Nortgate Research, Inc.: *See—*
  - Urman, Robert; Brisson, Alfred G.; and Nowacki, Christopher, 4,883,050, Cl. 128-202.270.
- North America Container Corporation: *See—*
  - Grigsby, John M., 4,832,256, Cl. 229-23.00C.
- North American Aqua: *See—*
  - Papandrea, Rocco A., 4,849,100, Cl. 210-138.000.
- North American Biotechnology, Inc.: *See—*
  - Hermann, William J., Jr.; and Zanek, John R., 4,852,560, Cl. 128-762.000.
- North American Enclosures, Inc.: *See—*
  - Schwartz, Richard, 4,833,803, Cl. 40-152.000.
- North American Industries, Inc.: *See—*
  - Vaello, Donald B., 4,797,914, Cl. 379-96.000.
- North American Instruments Corp.: *See—*
  - Morse, Phillip H., 4,807,666, Cl. 137-625.470.
- North American Philip Corporation: *See—*
  - Katz, George; and Nalesnik, Theodore, 4,834,394, Cl. 277-12.000.
- North American Philips Consumer Electronics Corp.: *See—*
  - Chung, Samuel S.; Rehkopf, Charles H.; Reigel, Franklin G.; Siefker, Doanld L.; and Stowe, James R., 4,832,646, Cl. 445-6.000.
  - Magocs, Stephen, 4,818,073, Cl. 350-337.000.
  - Naimpally, Saiprasad V., 4,827,343, Cl. 358-183.000.
  - Skinner, Kenneth R.; and Hitchcock, James E., 4,802,010, Cl. 358-166.000.
  - Smith, Bobby J., 4,856,081, Cl. 455-151.000.
  - Smith, Bobby J., 4,857,898, Cl. 341-22.000.
  - Stierberger, Willy F., 4,841,406, Cl. 361-91.000.
  - Zoladz, Frank J., 4,836,399, Cl. 220-76.000.
- North American Philips Corporation: *See—*
  - Barnes, Casper W., 4,809,249, Cl. 367-100.000.
  - Bishop, Eugene R.; Schneider, Matthew L.; and Rosshirt, Hermann, 4,841,243, Cl. 324-174.000.
  - Bodi, Richard, 4,798,294, Cl. 206-600.000.
  - Bohning, Daryl E., 4,816,762, Cl. 324-300.000.
  - Bohning, Daryl E., 4,855,910, Cl. 364-413.130.
  - Box, Benton H., Jr., 4,814,939, Cl. 361-307.000.
  - Bruning, Gert W.; and Stupp, Edward H., 4,882,666, Cl. 363-97.000.
  - Carino, John W., 4,802,063, Cl. 361-433.000.
  - Carleton, Samuel A., 4,812,611, Cl. 219-74.000.
  - Carlson, Allan I., 4,870,399, Cl. 340-811.000.
  - Carlson, Allan I., 4,890,101, Cl. 340-811.000.
  - Dapo, Roland, 4,835,660, Cl. 361-504.000.
  - Dapo, Roland F., 4,860,169, Cl. 361-506.000.
  - Dapo, Roland F., 4,885,660, Cl. 361-506.000.
  - Darby, Ted A., 4,873,574, Cl. 358-139.000.
  - Dayton, David R.; Bucher, Lloyd K.; and Buck, Richard M., 4,864,185, Cl. 313-318.000.
  - Dike, Charles E.; and Burton, Edward A., 4,835,422, Cl. 307-518.000.
  - Dunn, John P.; and Bernard, Kathleen P., 4,868,449, Cl. 313-25.000.
  - Duwaer, Arne L., 4,835,602, Cl. 358-60.000.
  - Eventoff, Arnold T.; and Newman, Wyatt S., 4,841,978, Cl. 128-660.090.
  - Fisher, David F.; and Sprankle, David A., 4,795,997, Cl. 337-380.000.
  - Goldburt, Efim S.; and Hemmer, Richard E., 4,857,978, Cl. 357-24.000.
  - Goldenberg, Jill F.; and McKechnie, T. Stewart, 4,824,227, Cl. 350-452.000.
  - Gostyla, Eugene J., 4,796,001, Cl. 338-20.000.
  - Gunter, Charles E., 4,814,947, Cl. 361-540.000.
  - Jacobs, Leon D., 4,887,979, Cl. 439-578.000.
  - Jenkins, Ronald, 4,796,284, Cl. 378-49.000.
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  - Latassa, Frank M.; and Wilson, William E., 4,879,492, Cl. 313-487.000.
  - Lish, Charles A., 4,866,645, Cl. 364-602.000.
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  - Miller, William G., 4,837,612, Cl. 358-28.000.
  - Motoyama, Tsutomu, 4,837,623, Cl. 358-165.000.
  - Naimpally, Saiprasad V., 4,845,547, Cl. 358-31.000.
  - Newman, Wyatt S., 4,837,467, Cl. 310-12.000.
  - Nikoonahad, Mehrdad, 4,852,575, Cl. 128-660.010.
  - Pikul, Henry, 4,868,534, Cl. 336-192.000.
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  - Schleicher, Israel D.; and Russell, Robert H., 4,821,706, Cl. 128-660.010.
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  - Sicignano, Albert; and Vaez-Iravani, Mehdi, 4,845,362, Cl. 250-310.000.
  - Skwirut, Henry; and Young, Robert C., 4,871,944, Cl. 315-56.000.
  - Stevens, James L., 4,828,659, Cl. 204-29.000.
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  - Tsinberg, Mikhail, 4,837,619, Cl. 358-140.000.
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  - Blauschild, Robert A., 4,851,759, Cl. 323-223.000.
  - Burton, Edward A.; Dike, Charles E.; and Fletcher, Thomas D., 4,825,108, Cl. 307-475.000.
  - Ellwanger, Russell C., 4,816,879, Cl. 357-15.000.
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  - West, Jeffery A., 4,849,659, Cl. 307-455.000.
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  - Verble, Patrick R., 4,825,613, Cl. 52-408.000.
- North American Specialties Corporation: *See—*
  - Seidler, Jack, 4,802,862, Cl. 439-83.000.
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- North, Bernard G., to TRW Cam Gears Limited. Road vehicle power assisted steering system. 4,794,997, 1-3-89, Cl. 180-79.100.
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  - Cuculo, John A.; Theil, Michael H.; Yang, Kap S.; and Chen, Yue S., 4,840,673, Cl. 106-198.000.
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  - Yu-Zhong, Liu, 4,810,584, Cl. 428-469.000.
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  - Boudjouk, Philip R., 4,827,009, Cl. 556-979.000.
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- North, Howard, Jr., to Becton, Dickinson and Company. Backflow isolator and capture system. 4,844,610, 7-4-89, Cl. 356-73.000.
- North, James A., to Eaton Corporation. Power steering system having simulated torque sensor. 4,865,144, 9-12-89, Cl. 180-79.100.
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- North, Royston J., to Caradon Mira Limited. Mixing valve. 4,834,130, 5-30-89, Cl. 137-100.000.
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- North States Industries, Inc.: *See—*
  - Larson, Donald A., 4,838,205, Cl. 119-52.00R.
- North, Vaughn N.: *See—*
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  - Holdsworth, Timothy M., 4,845,447, Cl. 333-167.000.
- Northeast University of Technology: *See—*
  - Guangchun, Yao; Zhuxian, Qiu; and Wu, Nu Z., 4,885,073, Cl. 204-291.000.
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  - Crisci, Harry E., 4,801,032, Cl. 215-256.000.
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  - Batz, James E.; Martell, Dennis J.; and Overmyer, Steven A., 4,839,642, Cl. 340-825.540.
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  - Black, William C., 4,864,274, Cl. 340-310.00R.
- Northern States Power Company: *See—*
  - Lehto, John M., 4,853,195, Cl. 423-242.000.
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  - Arnon, Ephraim; and Aly, Sami, 4,864,590, Cl. 375-14.000.
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  - Chen, Wayne G.; and Lin, Newman K., 4,850,225, Cl. 73-572.000.
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  - Devries, Paul A., 4,890,305, Cl. 375-120.000.
  - Donovan, Paul G., 4,799,659, Cl. 269-289.00R.
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  - Geadah, Youssef A.; and Lefebvre, Martin C., 4,873,667, Cl. 365-189.070.
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  - Graves, Alan F.; Littlewood, Paul A.; and Weiss, Johannes S., 4,876,682, Cl. 370-66.000.
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  - Grover, Wayne D., 4,837,780, Cl. 375-11.000.

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- Heynen, Jan; Kayser, Larry S.; and Mony, Georges E., 4,884,285, Cl. 375-25.000.
- Hicks, Gregory F., 4,800,562, Cl. 371-5.000.
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- Lukas, Helmut H., 4,812,007, Cl. 350-96.210.
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- McLean, Kenneth W.; Kuhfus, Gerd; and Walker, Charles R. S., 4,887,972, Cl. 439-137.000.
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- Patterson, Douglas H., 4,858,231, Cl. 370-85.000.
- Petro, John F., 4,879,738, Cl. 379-3.000.
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- Richardson, Bruce A., 4,872,173, Cl. 372-29.000.
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- Northgate Research, Inc.: *See—*
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- Northington, Bengie. Debris receiving trough. 4,802,595, 2-7-89, Cl. 211-88.000.
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- Northland/Scott & Fetzer Company, The: *See—*
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- Northop, Robert B.: *See—*
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  - Bailey, Mark L.; Neu, Horst W.; and Silverman, Deanna C., 4,869,813, Cl. 209-538.000.
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  - Olez, Nejat A.; and Uldrich, Flerida B., 4,863,330, Cl. 411-424.000.
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- Northrup, Marianna J. Variable-sized rod handweaving frame. 4,832,085, 5-23-89, Cl. 139-34.000.
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  - Ketterson, John B.; Bogacz, Slawomir A.; and Wong, George K., 4,817,124, Cl. 378-119.000.
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  - Brunelle, Jean-Pierre; Nortier, Patrice; and Quemere, Eric, 4,857,296, Cl. 423-574.00R.
- Norton, Allen R., to American Locker Group Incorporated. Compressor. 4,881,653, 11-21-89, Cl. 220-22.300.
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  - Ault, Neil N.; Butkus, Anthony K.; and Trostel, Louis J., 4,823,359, Cl. 373-137.000.
  - Bauer, Ralph, 4,797,139, Cl. 51-293.000.
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- Carpenter, Robert E.; and Morrison, Robert D., 4,823,623, Cl. 73-864.740.
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- Corbin, Normand D.; Hartline, Stephen D.; and Rossetti, George A., Jr., 4,869,943, Cl. 428-114.000.
- Corbin, Normand D.; and Willkens, Craig A., 4,885,199, Cl. 428-113.000.
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- Pujari, Vimal K., 4,843,041, Cl. 501-95.000.
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- Waldenberger, Dean H., 4,839,206, Cl. 428-40.000.
- Yarbrough, Walter A., 4,867,760, Cl. 51-298.000.
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- Norton, Don S., to Brell Mar Products, Inc. Universal sport bag. 4,810,102, 3-7-89, Cl. 383-4.000.
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  - Mauck, John C.; Mauck, Linda A.; and Norton, Gary E., 4,812,399, Cl. 435-18.000.
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  - Nuspl, Steven P.; Szmania, Edmund P.; Kleppe, John A.; and Norton, Peter R., 4,848,924, Cl. 374-119.000.
- Norton, Richard C.: *See—*
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- Norton, Ted R.: *See—*
  - Moore, Richard E.; Furusawa, Eiichi; Norton, Ted R.; Patterson, Gregory M. L.; and Myndeise, Jon S., 4,863,955, Cl. 514-450.000.
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  - Anthony, John H.; Brantley, William C., Jr.; McAuliffe, Kevin P.; Norton, Vern A.; and Pfister, Gregory F., 4,885,680, Cl. 364-200.000.
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  - Ebetino, Frank H.; Buckingham, Kent W.; and McOsker, Jocelyn E., 4,868,164, Cl. 514-80.000.
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  - Jarreau, Francois-Xavier; and Koenig, Jean-Jacques, 4,885,280, Cl. 514-26.000.
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  - Patel, Vikram S., 4,798,725, Cl. 424-456.000.
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- Nosov, Anatoly P.: *See—*
  - Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.
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  - Acharya, Arun; Marchese, Michael A.; and Nowobilski, Jeffert J., 4,856,285, Cl. 62-63.000.
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  - Van Broekhoven, Johannes A. M.; Drent, Eit; Klei, Ebel; and Nozaki, Kenzie, 4,868,282, Cl. 528-392.000.
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- Nozawa, Seiichi: *See*—
  - Kishiro, Osamu; Kasai, Atsushi; Nozawa, Seiichi; and Kamata, Hiroshi, 4,857,626, Cl. 528-176.000.
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  - Ishiguro, Okikazu; Nishimura, Masakatsu; Nozawa, Shigeru; Kamogawa, Hiromi; and Kawano, Shigeyoshi, 4,836,991, Cl. 423-242.000.
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- Nozawa, Toshihide, to Olympus Optical Co., Ltd. Albada type zoom finder. 4,834,513, 5-30-89, Cl. 350-427.000.
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- Nozawa, Yuusaku: *See*—
  - Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, 4,813,447, Cl. 137-486.000.
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  - Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, 4,858,071, Cl. 361-386.000.
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- Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, to Kabushiki Kaisha Komatsu Seisakusho. Light source for reduced projection. 4,856,018, 8-8-89, Cl. 372-98.000.
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  - Van Gompel, James; and Hall, Jerry A., 4,799,840, Cl. 410-42.000.
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  - Newman, George E.; Palacios, Hugo J.; and Hogan, Jerry C., 4,813,203, Cl. 52-204.000.
- Nquyen, Harry V.: *See*—
  - Morrow, Richard A.; Gionet, Daniel C.; Wikkerink, Lance; and Nquyen, Harry V., 4,866,881, Cl. 49-25.000.
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  - Kitamura, Noboru; and Komatsubara, Norio, 4,854,435, Cl. 192-41.00A.
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  - Kinoshita, Yoshio, 4,809,831, Cl. 192-41.00A.
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  - Kiyono, Shunichi, 4,795,192, Cl. 280-804.000.
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  - Uchida, Mikio; and Ishida, Akihiro, 4,848,557, Cl. 192-41.00A.
- NSS of Delaware, Inc.: *See*—
  - Charbonneau, Arthur G.; McMennamy, John A.; and Nafinger Steven, 4,860,596, Cl. 73-862.320.
- NTC Engineering APS: *See*—
  - Morch, Ole C., 4,801,063, Cl. 227-45.000.
- NTG Industries, Inc.: *See*—
  - Kass, Edward J., 4,866,868, Cl. 40-661.000.
- Ntl. Inst. of Agrobiological Resources: *See*—
  - Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyu and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.
- NTN-Rulon Industries Co., Ltd.: *See*—
  - Oki, Yoshio; Akatsuka, Takeo; and Satoji, Fuminori, 4,825,249, C 355-15.000.
- NTN Toyo Bearing Co., Ltd.: *See*—
  - Ito, Hideji; Kametaka, Koji; and Tsumori, Yukihisa, 4,856,916, C 384-477.000.
  - Ito, Kenichiro; Nojiri, Hiromi; and Adachi, Kenro, 4,852,707, C 192-44.000.
  - Kato, Masao; Mitani, Yoichiro; and Yamada, Tsuneo, 4,865,468, C 384-448.000.
  - Kimata, Kei; Yamamoto, Ken; Yasui, Makoto; and Furutani, Ka sumi, 4,863,417, Cl. 474-101.000.
  - Sato, Tasuku; Nakanishi, Kiyoshi; Fukumura, Yoshikazu; an Nagasawa, Keizo. 4,840,740, Cl. 252-32.70E.
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- Ntronix, Inc.: *See*—
  - Vulpe, Alexei, 4,839,494, Cl. 219-10.55A.
- Nu Aire, Inc.: *See*—
  - Peters, Max D., 4,832,717, Cl. 55-473.000.
  - Peters, William F.; and Buchanan, Randall ..., 4,798,171, C 119-15.000.
- Nu-Bore Systems: *See*—
  - Koster, Charles H., 4,865,127, Cl. 166-277.000.
- Nu-C Products Inc.: *See*—
  - Gray, Robert D.; and Gray, Thomas J., 4,888,181, Cl. 426-643.00
- Nu-Graphics Engineering, Inc.: *See*—
  - Russo, Alberto, 4,878,429, Cl. 101-486.000.
- Nu-Line Industries Co.: *See*—
  - Johnson, Stanley A., Jr., 4,831,777, Cl. 49-55.000.
- Nu-Pipe, Inc.: *See*—
  - Steketee, Campbell H., Jr., 4,867,921, Cl. 264-36.000.
- Nu-Tec Corporation: *See*—
  - Grant, Daniel W.; and Bell, Walter, Jr., 4,864,880, Cl. 74-110.0
- Nu-Tech Industries, Inc.: *See*—
  - Isaacson, Milton S., 4,867,155, Cl. 128-305.000.
- Nu-Tech Systems, Inc.: *See*—
  - Burch, Elsward K., 4,873,759, Cl. 29-700.000.
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- Nuber, Roland, to Wankel GmbH. Machine installation for a h pumping plant. 4,822,253, 4-18-89, Cl. 417-364.000.
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  - Dilworth, James L.; and Brinks, Robert J., 4,823,518, Cl. 52-40.0
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  - Brown, Paul M., 4,835,433, Cl. 310-305.000.
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- Nuckolls, Joe A.; and Buckley, Paul J., II, to Hubbell Incorpora Compact fluorescent lamp circuit. 4,866,347, 9-12-89, Cl. 315-150.0
- Nuckolls, Joe A.; and Payne, Paul E., to Hubbell Incorporated. Hi wattage HID lamp circuit. 4,890,041, 12-26-89, Cl. 315-225.00
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  - McDaniels, John D., Jr., 4,883,637, Cl. 376-272.000.
  - Wells, Alan H.; and Thompson, Thomas C., 4,827,139, C 250-507.100.
- Nuclear Metals, Inc.: *See*—
  - Pollock, Eugene N., 4,837,375, Cl. 423-20.000.
  - Roberts, Peter R., 4,813,965, Cl. 623-66.000.
  - Roberts, Peter R.; Airey, James J.; Blout, James E.; and Ar Joseph J., 4,824,478, Cl. 75-0.50C.
- Nuclear Packaging, Inc.: *See*—
  - Craig, Philip A.; Haelsig, Richard T.; Kent, John D.; a Schmoker, Duane S., 4,800,062, Cl. 376-272.000.
- Nuclear Services Company: *See*—
  - Kawabata, Hiroaki, 4,822,555, Cl. 376-272.000.
- Nucleic Acid Research Institute: *See*—
  - Robins, Roland K.; Revankar, Ganapathi R.; and Chang, Yu 4,861,873, Cl. 536-27.000.
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  - Rampalli, Sitaram; and Nudd, Hugh R., 4,800,351, Cl. 333-237.0

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- Nudelman, Edward D.: *See*—
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- Nudeshima, Masahiro: *See*—
  - Tanabe, Susumu; and Nudeshima, Masahiro, 4,838,879, Cl. 604-280.000.
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  - Kugelmann, Franz J., 4,837,388, Cl. 428-69.000.
  - Kugelmann, Franz J., 4,888,073, Cl. 156-197.000.
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  - Wuest, Hans-Heiner; Frickel, Fritz-Frieder; and Nuerrenbach, Axel, 4,801,733, Cl. 560-56.000.
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  - Puchta, Rolf; Nuesslein, Hans; and Voelkel, Theodor, 4,814,095, Cl. 252-8.600.
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  - Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., 4,879,156, Cl. 428-137.000.
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  - Saito, Akira; Nukada, Teisuke; and Ito, Michio, 4,854,041, Cl. 29-884.000.
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  - Bender, Rudolf; and Quittkat, Jorg, 4,838,086, Cl. 73-597.000.
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  - Hezel, Rudolf; and Hackstein, Karl G., 4,828,628, Cl. 136-255.000.
  - Huschelrath, Gerhard, 4,821,204, Cl. 364-481.000.
  - Huschka, Hans; and Hoffman, Winfried, 4,869,755, Cl. 136-259.000.
  - Maurer, Albrecht; and Fabian, Josef, 4,876,727, Cl. 382-8.000.
  - Pirk, Hans; and Arntzen, Paul, 4,863,311, Cl. 405-128.000.
- Nukii, Takashi: *See*—
  - Rai, Akiteru; Yamamura, Keiji; and Nukii, Takashi, 4,818,728, Cl. 437-209.000.
- Nukina, Kenji: *See*—
  - Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.
- Nukiyama, Tomoji, to NEC Corporation. Variable shift-count bidirectional shift control circuit. 4,807,172, 2-21-89, Cl. 364-715.080.
- Nukiyama, Tomoji, to NEC Corporation. Data processing integrated circuit with improved decoder arrangement. 4,809,229, 2-28-89, Cl. 365-189.000.
- Nukui, Katsuhiko: *See*—
  - Kakazu, Yukinori; Minami, Noburo; and Nukui, Katsuhiko, 4,837,703, Cl. 364-474.180.
- Nukushina, Etsuzi: *See*—
  - Tagawa, Takao; Nukushina, Etsuzi; and Nakai, Yoshiyuki, 4,835,571, Cl. 355-225.000.
- Nukushina, Harunobu; and Sugimoto, Chiaki, to Kabushiki Kaisha Toshiba. Fault diagnostic apparatus for electric appliance. 4,857,918, 8-15-89, Cl. 340-870.010.
- Nukushina, Harunobu: *See*—
  - Ide, Yuichi; Nukushina, Harunobu; and Ichien, Naoki, 4,843,384, Cl. 340-825.690.
- Nukushina, Masanori, to Juki Corporation. Method and apparatus for preparing sewing data. 4,796,551, 1-10-89, Cl. 112-266.100.
- Nulchis, Antonio: *See*—
  - Bottarelli, Teresio; and Nulchis, Antonio, 4,798,045, Cl. 57-22.000.
- Nulman, Jaim: *See*—
  - Pecot, Michel; and Nulman, Jaim, 4,854,727, Cl. 374-57.000.
- Nulph, Robert J.: *See*—
  - Favstritsky, Nicolai A.; Nulph, Robert J.; and Borden, Dennis M., 4,831,072, Cl. 524-412.000.
- Numa, Nobushige, to Kansai Paint Company, Limited. Process for preparing an aqueous dispersion. 4,886,852, 12-12-89, Cl. 524-458.000.
- Numa, Nobushige: *See*—
  - Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.
  - Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.
- Numaguchi, Toru: *See*—
  - Uozu, Hisahiro; Naitoh, Akio; and Numaguchi, Toru, 4,849,187, Cl. 422-197.000.
- Numajiri, Yasuyoshi: *See*—
  - Hirozumi, Yasuo; Kanematsu, Susumu; Numajiri, Yasuyoshi; Watanabe, Mikio; and Okano, Mitsuhiro, 4,879,491, Cl. 313-318.000.
- Numajiri, Yasuyuki: *See*—
  - Kohayakawa, Yoshimi; and Numajiri, Yasuyuki, 4,830,483, Cl. 351-221.000.
  - Sakane, Toshio; and Numajiri, Yasuyuki, 4,866,243, Cl. 219-121.620.
- Numako, Norio: *See*—
  - Kobayashi, Takeo; and Numako, Norio, 4,855,782, Cl. 354-475.000.
- Numakura, Hirotomo: *See*—
  - Moriki, Yasumitsu; Numakura, Hirotomo; and Sakurai, Masahiro, 4,805,826, Cl. 228-18.000.
  - Moriki, Yasumitsu; and Numakura, Hirotomo, 4,881,365, Cl. 59-7.000.
- Numakura, Iwao: *See*—
  - Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,811,108, Cl. 358-298.000.
  - Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,833,546, Cl. 358-283.000.
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- Numakura, Toshihiko; and Kanbara, Masahiro, to Sony Corporation. Apparatus for recording low and high band components of a chrominance signal. 4,851,928, 7-25-89, Cl. 358-330.000.
- Numanami, Kazutoshi: *See*—
  - Yamada, Motoyuki; Hayashida, Akira; Numanami, Kazutoshi; and Iizuka, Takahiro, 4,849,196, Cl. 423-345.000.
- Numano, Yoshinori; and Hayama, Masahiro, to Mitsubishi Denki Kabushiki Kaisha. Image sensor and production method thereof. 4,889,983, 12-26-89, Cl. 250-211.00J.
- Numao, Naganori: *See*—
  - Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Naganori, 4,849,345, Cl. 435-106.000.
- Numasaka, Hitoshi: *See*—
  - Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
- Numasaki, Yoso; Takahashi, Koichiro; and Ohata, Isao, to Yamanouchi Pharmaceutical Co., Ltd. Inhibiting growth of tumors with certain substituted phenoxy dimethyl acids, esters or salts. 4,886,818, 12-12-89, Cl. 514-345.000.
- Numata, Hidetaka, to Alps Electric Co., Ltd. Transistor protective circuit. 4,845,584, 7-4-89, Cl. 361-57.000.
- Numata, Ken-ichi: *See*—
  - Konishi, Masataka; Tomita, Koji; Oka, Masahisa; and Numata, Ken-ichi, 4,833,076, Cl. 435-29.000.
- Numata, Masanori, to Nifco, Inc. Damper comprising rotor shaft and gear sleeve having equal external diameter portions with clutch spring wound thereabout. 4,830,151, 5-16-89, Cl. 188-290.000.
- Numata, Mitsuo: *See*—
  - Miyake, Akio; Yoshimura, Yoshinobu; and Numata, Mitsuo, 4,797,395, Cl. 514-206.000.
- Numata, Norio: *See*—
  - Shimo, Norio; and Numata, Norio, 4,819,272, Cl. 455-127.000.
- Numata, Satoshi: *See*—
  - Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, 4,814,340, Cl. 514-345.000.
- Numata, Shunichi: *See*—
  - Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.
  - Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, 4,886,573, Cl. 156-643.000.
- Numata, Tadashi: *See*—
  - Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.

Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, to Nissan Chemical Industries Ltd. Quinoline derivatives and herbicidal compositions and method of use thereof. 4,824,474, 4-25-89, Cl. 71-92.000.
Numata, Tatsuo; Hatanaka, Masataka; and Watanabe, Junichi, to Nissan Chemical Industries Ltd. Process for the production of tetrahydropyran-3-one derivatives. 4,837,345, 6-6-89, Cl. 549-416.000.
Numata, Tatsuo; and Noguchi, Tadashi, to Pioneer Electronic Corporation. Distortion-free, opposite-phase current source. 4,853,609, 8-1-89, Cl. 323-312.000.
Numata, Toshi: *See—*
  Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
  Matsui, Kenji; Numata, Toshi; Ueda, Yukinori; Ogawa, Tomohisa; and Ito, Kiyoshi, 4,821,015, Cl. 338-175.000.
Numazawa, Akio; Kubo, Seitoku; and Kuramochi, Koujiro, to Toyota Jidosha Kabushiki Kaisha. Transverse type automatic transmission with two separate lay shaft elements. 4,836,050, 6-6-89, Cl. 74-695.000.
Numazawa, Akio; Sato, Akira; and Ushijima, Fumihiro, to Toyota Jidosha Kabushiki Kaisha. Automatic transmission for automotive vehicle. 4,860,607, 8-29-89, Cl. 74-330.000.
Numazawa, Akio: *See—*
  Nakawaki, Yasunori; Numazawa, Akio; and Hayashi, Takashi, 4,836,056, Cl. 74-866.000.
Numazawa, Ryozo: *See—*
  Miyamori, Takao; Numazawa, Ryozo; Sakimae, Akihiro; and Onishi, Hisao, 4,885,244, Cl. 435-101.000.
Numerick, Allen. Insect trap. 4,794,725, 1-3-89, Cl. 43-139.000.
Nummi, Pekka: *See—*
  Kahkipuro, Matti; Sten, Urpo; Nummi, Pekka; and Hytti, Pekka, 4,799,139, Cl. 363-95.000.
Numonics Corporation: *See—*
  Paschkis, Albert E., 4,853,715, Cl. 346-139.00R.
Nunally, Charles M.: *See—*
  Piepmeier, Arthur L., Jr.; and Nunally, Charles M., 4,824,621, Cl. 264-41.000.
  Piepmeier, Arthur L., Jr.; and Nunally, Charles M., 4,884,505, Cl. 101-492.000.
Nunally, Patrick O., to General Dynamics Corporation/Pomona Division. Vacuum well process. 4,887,544, 12-19-89, Cl. 118-50.000.
Nunan, Craig S., to Varian Associates, Inc. Multileaf collimator and compensator for radiotherapy machines. 4,868,843, 9-19-89, Cl. 378-152.000.
Nunan, Craig S., to Varian Associates, Inc. Multileaf collimator for radiotherapy machines. 4,868,844, 9-19-89, Cl. 378-152.000.
Nunberg, Jack H.; Doyle, Michael; Newell, Arthur; and White, Thomas, to Cetus Corporation. Method of controlling stress-related disease in livestock by administration of human IL-2. 4,818,769, 4-4-89, Cl. 514-2.000.
Nuncy, Marcus D.: *See—*
  Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.
Nunes, Francisco M. D. S. Machine tool. 4,879,845, 11-14-89, Cl. 51-98.500.
Nunez, Chris E., to International Medical Innovators, Inc. Needle safety guard. 4,874,384, 10-17-89, Cl. 604-198.000.
Nunez, Fabian: *See—*
  Landry, Louis G.; and Nunez, Fabian, 4,836,872, Cl. 156-85.000.
Nunley, Alvin, III: *See—*
  Bailey, James B.; Gibson, Robert R.; Nunley, Alvin, III; and Utz, Q. Wayne, 4,873,676, Cl. 367-98.000.
Nunley, Leonard: *See—*
  Tucker, Frank D.; and Nunley, Leonard, 4,807,287, Cl. 380-23.000.
Nunlist, Erwin J., to Pfaudler Companies, Inc., The. Method for avoiding thermal stresses in glass lined vessels. 4,796,344, 1-10-89, Cl. 29-157.00R.
Nunn, Michael J.: *See—*
  Andrews, Adrian F.; Hugh, Nicholas S.; and Nunn, Michael J., 4,826,921, Cl. 525-102.000.
Nunn, Robert E., to HPM Corporation. Adaptive process control for injection molding. 4,816,197, 3-28-89, Cl. 264-40.600.
Nunn, Robert E., to HPM Corporation. Adaptive process control for injection molding. 4,850,217, 7-25-89, Cl. 73-56.000.
Nunn, Timothy A.: *See—*
  Kurtz, Anthony D.; Nunn, Timothy A.; and Weber, Richard A., 4,814,856, Cl. 357-73.000.
Nunnelly, Luther M., to Tennessee Valley Authority. Method and apparatus for producing high-strength grannular particulates from low-strength prills. 4,842,790, 6-27-89, Cl. 264-117.000.
Nunnery, Ermal R.; and Lusk, Elmer C., to Nunnery Wood Processor Co., The. Firewood processor. 4,829,865, 5-16-89, Cl. 83-425.300.
Nunnery, Ermal R.; and Lusk, Elmer C., to Nunnery Wood Processor Co., The. Firewood processor. 4,830,070, 5-16-89, Cl. 144-193.00A.
Nunnery, Ermal R.; and Lusk, Elmer C., to Nunnery Wood Processor Co., The. Firewood processor. 4,834,154, 5-30-89, Cl. 144-3.00K.
Nunnery, Ermal R.; and Lusk, Elmer C., to Nunnery Wood Processor Co., The. Firewood processor. 4,869,303, 9-26-89, Cl. 144-193.00A.
Nunnery Wood Processor Co., The: *See—*
  Nunnery, Ermal R.; and Lusk, Elmer C., 4,829,865, Cl. 83-425.300.
  Nunnery, Ermal R.; and Lusk, Elmer C., 4,830,070, Cl. 144-193.00A.
  Nunnery, Ermal R.; and Lusk, Elmer C., 4,834,154, Cl. 144-3.00K.
  Nunnery, Ermal R.; and Lusk, Elmer C., 4,869,303, Cl. 144-193.00A.
Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, to Nippondenso Co., Ltd.; and Nippon Soken, Inc. Electrically insulating ceramic sintered body. 4,814,581, 3-21-89, Cl. 219-270.000.
Nunogaki, Naochika: *See—*
  Inoguchi, Kazuhiro; Ito, Novuei; Nunogaki, Naochika; and Toyama, Tetsuo, 4,845,061, Cl. 501-97.000.
Nunogaki, Yoshiaki, to Sanki Engineering Ltd. Hemolysis reaction measuring device. 4,813,420, 3-21-89, Cl. 128-633.000.
Nunogaki, Yoshiaki, to Sanki Engineering Ltd. Rotary joint. 4,858,961, 8-22-89, Cl. 285-98.000.
Nunogaki, Yoshiaki, to Sanki Engineering, Ltd. Centrifugal countercurrent distribution chromatography. 4,877,523, 10-31-89, Cl. 210-198.200.
Nunokawa, Kazuo, to Tokyo Kogaku Kikai Kabushiki Kaisha. Eye fundus camera having automatic exposure control means. 4,834,526, 5-30-89, Cl. 351-206.000.
Nunokawa, Kazuo, to Tokyo Kogaku Kikai Kabushiki Kaisha. Optical system for retinal camera. 4,838,680, 6-13-89, Cl. 351-206.000.
Nunokawa, Kazuo: *See—*
  Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa, Kazuo; and Hideshima, Masayuki, 4,854,691, Cl. 351-221.000.
Nunomura, Shigeki: *See—*
  Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.
Nunomura, Shigetomo: *See—*
  Higo, Yakichi; Nunomura, Shigetomo; and Ono, Masashi, 4,819,753, Cl. 128-773.000.
Nunoya, Hidetsugu: *See—*
  Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.
Nuns, Jacques, to Service National Electricite de France. Regulator system for a switching mode inverter generator. 4,868,728, 9-19-89, Cl. 363-17.000.
Nuova C.O.P.M.A. S.p.A.: *See—*
  Emiliani, Giovanni; Nati, Maurizio; and Sangiorgio, Elio, 4,810,160, Cl. 414-543.000.
Nuova Isotex S.p.A.: *See—*
  Pittarello, Ferruccio; and Pulina, Italo, 4,816,111, Cl. 156-504.000.
Nuova Italsider S.p.A.: *See—*
  Azzerri, Nazzareno; and Giorgi, Leonardo, 4,886,712, Cl. 428-632.000.
Nuova Italsider SpA: *See—*
  Bertolotti, Luigi, 4,819,408, Cl. 53-211.000.
Nuova Samim S.p.A.: *See—*
  Guerriero, Renato; and Tangerini, Ilario, 4,861,679, Cl. 428-614.000.
Nuova Sme S.p.A.: *See—*
  Mainardi, Bruno; and Vivian, Domenico, 4,874,298, Cl. 417-315.000.
Nuovopignone Industrie Meccaniche e Fonderia S.p.A.: *See—*
  Benvenuti, Erio; and Innocenti, Bruno, 4,864,816, Cl. 60-39.161.
  Corain, Luciano; and Maitan, Gianni, 4,870,996, Cl. 139-1.00R.
  Corain, Luciano; Maitan, Gianni; and Valsecchi, Enrico, 4,884,598, Cl. 139-371.000.
Nupro Company: *See—*
  Gausman, Theodore J.; and Scheffel, Gary W., 4,840,191, Cl. 137-15.000.
  Gausman, Theodore J.; and Scheffel, Gary W., 4,856,555, Cl. 137-543.170.
Nurano, Hideo. Optical decorative apparatus. 4,807,971, 2-28-89, Cl. 350-13.600.
Nuraseal Co. Ltd.: *See—*
  Drumm, Kevin R., 4,872,689, Cl. 277-9.500.
Nurczyk, Mark E.; and Johnson, Tedd P., to American Standard Inc. Vav valve control with transducer tolerance compensation. 4,838,483, 6-13-89, Cl. 236-49.500.
Nuredin, Yusuf. Push-up and hand walking exerciser. 4,826,151, 5-2-89, Cl. 272-93.000.
Nurek, Jerry: *See—*
  Walters, Gerald E.; Dutcher, Clinton H.; Tang, Tian-Peng; and Nurek, Jerry, 4,813,891, Cl. 439-620.000.
Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., to Otdelenie Vsesojuznogo Nauchno-Issledovatelskogo I Proektno-Konstruktorskogo Tekhnologicheskogo. Intraocular lens. 4,871,362, 10-3-89, Cl. 623-6.000.
Nurmukhamedov, Arslan: *See—*
  Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.
Nurnberger, Gunter: *See—*
  Dumbser, Gerhard; Fey, Rainer; and Nurnberger, Gunter, 4,835,468, Cl. 324-166.000.
Nurse, Nigel P. M.: *See—*
  Newbery, Percy G.; and Nurse, Nigel P. M., 4,839,625, Cl. 337-166.000.
Nurse, Trevor W., to Humphreys & Glasgow Ltd. Clean electric power generation process. 4,881,366, 11-21-89, Cl. 60-39.070.
Nury, Jacques; and Nawrot, Serge, to Atochem. Process for cross-linking of copolymers comprising ethylene and a hydroxyalkyl ester. 4,808,670, 2-28-89, Cl. 525-370.000.
Nusair, Marwan E.; Valentine, Michael D.; and Scholl, Stephen R., to Valentine Research, Inc. Broadband wide flare ridged microwave horn antenna. 4,878,061, 10-31-89, Cl. 343-786.000.
Nusbaum, Arthur. Building safety net. 4,838,382, 6-13-89, Cl. 182-138.000.
Nusbaum, Arthur. Safety net arrangement for multi-floor buildings under construction, and method. 4,856,615, 8-15-89, Cl. 182-82.000.
Nusbaum, David B.; and Mayfield, Robert L., to Deere & Company. Master safety shield with deflecting door. 4,840,604, 6-20-89, Cl. 464-176.000.
Nusinov, Eugene: *See—*
  Joyce, Thomas F.; Nusinov, Eugene; and Brown, Richard P., 4,813,002, Cl. 365-49.000.
Nuske, Dieter: *See—*
  Behnk, Gunter; and Nuske, Dieter, 4,811,461, Cl. 17-56.000.
  Behnk, Gunter; and Nuske, Dieter, 4,856,145, Cl. 17-57.000.
Nuske, Geoffrey G.: *See—*
  Hornhardt, Hubert L.; and Nuske, Geoffrey G., 4,798,280, Cl. 198-666.000.
Nuspl, Steven P.; Szmania, Edmund P.; Kleppe, John A.; and Norton, Peter R., to Babcock & Wilcox Company, The. Acoustic pyrometer. 4,848,924, 7-18-89, Cl. 374-119.000.
Nuss, Carol E. Food receptacle and heating apparatus. 4,803,921, 2-14-89, Cl. 99-483.000.
Nuss, Lothar, to Stapla Ultraschall-Technik GmbH. Apparatus for connecting elongate material such as electrical conductors by means of ultrasonics. 4,842,671, 6-27-89, Cl. 156-433.000.
Nuss, Lothar, to STAPLA Ultraschall-Technik GmbH. Method of connecting electrical conductors and apparatus for carrying out the method. 4,869,419, 9-26-89, Cl. 228-110.000.
Nuss, Mark A.: *See—*
  Wolff, Merle; Nuss, Mark A.; Fetcenko, Michael A.; and Lijoi, Andrea L., 4,820,481, Cl. 419-3.000.
Nussbaum, Joel H., to Standard Products Company, The. Molding with insert of three-dimensional markings with injection molded clear overlayer. 4,830,892, 5-16-89, Cl. 428-31.000.
Nussbaum, Max; Picart, Thierry; and Sauron, Jean, to Gaz de France. Process for conducting and monitoring the temperature rise of electrically heated components. 4,837,424, 6-6-89, Cl. 219-494.000.
Nussbaum, Otto J. Personalized air conditioning and method. 4,860,642, 8-29-89, Cl. 98-40.190.
Nussbaum, Stephanie; and Streets, Roger L., to Ashland Oil, Inc. Splice adhesive for EDPM roofing and splicing method employing same. 4,881,996, 11-21-89, Cl. 156-157.000.
Nussbaum, Theodore W.: *See—*
  Sims, Jackie C.; Dowling, Donald J.; and Nussbaum, Theodore W., 4,854,725, Cl. 374-42.000.
Nussbaum, William J. Dental prosthesis applicator. 4,834,654, 5-30-89, Cl. 433-141.000.
Nussbaumer, Manfred: *See—*
  Glaser, Eberhard; Beitinger, Eberhard; and Nussbaumer, Manfred, 4,838,980, Cl. 156-497.000.
Nussbaumer, Walter; and Beyrer, Karl-Heinz, to Maschinenfabrik Ravensburg AG. Turning machine. 4,840,095, 6-20-89, Cl. 82-117.000.
Nusselder, Frederik B.: *See—*
  Grobecker, Hermann; Heher, Werner; Zielasek, Adelbert; and Nusselder, Frederik B., 4,874,085, Cl. 206-309.000.
Nussenzweig, Victor; and Barr, Philip J., to New York University; and Chiron Corporation. Immunogenic recombinant yeast expression product and method for purifying it. 4,826,957, 5-2-89, Cl. 530-350.000.
Nusser, Claus-Dieter; and Locher, Johannes, to Robert Bosch GmbH. Method and system for testing internal combustion engine computerized control units. 4,839,812, 6-13-89, Cl. 364-424.040.
Nussli, Armin, to Bron Elektronik AG. Reflector for photographic sources of light. 4,807,089, 2-21-89, Cl. 362-17.000.
Nustede, Fritz; Hanninger, Josef, and Schallinger, Josef, to MTU Motoren- und Turbinen-Union Munchen GmbH. Method and apparatus for preliminarily tacking structural components to each other. 4,795,876, 1-3-89, Cl. 219-86.100.
Nute, Ernest B., Jr.: *See—*
  Hemphill, John M.; and Nute, Ernest B., Jr., 4,885,889, Cl. 52-484.000.
Nutech, Inc.: *See—*
  McConaghy, William J.; and Wallace, James M., 4,855,080, Cl. 252-626.000.
  Wallace, James M., 4,855,081, Cl. 252-626.000.
Nuti, Marco, to Piaggio & C. S.p.A. Two-stroke internal combustion engine, with fuel injection and controlled ignition. 4,829,967, 5-16-89, Cl. 123-506.000.
Nuti, Marco, to Piaggio & C. S.p.A. Braking system for two-wheelers. 4,850,455, 7-25-89, Cl. 188-2.00D.
NutraSweet Company, The: *See—*
  Kidman, Gene E.; and Gardner, William E., 4,847,409, Cl. 562-401.000.
  Singer, Norman; Speckman, Jon; and Weber, Bryan, 4,828,396, Cl. 366-149.000.
  Singer, Norman; Wilcox, Reed; and Podolski, Joseph S., 4,855,156, Cl. 426-565.000.
  Tsau, Josef H., 4,816,268, Cl. 426-85.000.
Nutri-Life Foods, Inc.: *See—*
  Hodgson, William W.; and Watkins, Tom R., 4,824,683, Cl. 426-62.000.
Nutrilite Products, Inc.: *See—*
  Leitz, Richard E. A.; and Pusateri, Donald J., 4,877,627, Cl. 426-285.000.
Nutt, David H. Method and apparatus for cutting taps in sewer lines. 4,887,585, 12-19-89, Cl. 125-14.000.
Nutt, Ruth F.: *See—*
  Brady, Stephen F.; and Nutt, Ruth F., 4,816,443, Cl. 514-13.000.
Nutt, Wallace H., to Teledyne Canada Limited. Ladder rack. 4,813,585, 3-21-89, Cl. 224-324.000.
Nutt, Wendell G.: *See—*
  Friesen, Harold W.; and Nutt, Wendell G., 4,873,393, Cl. 174-34.000.
Nuttal, David A.: *See—*
  Lloyd, William D.; and Nuttal, David A., 4,885,202, Cl. 428-171.000.
Nuttens, Hugo J. C.; and Van Haeren, Gerard, to Exxon Research & Engineering Co. Polyethylene wax. 4,820,876, 4-11-89, Cl. 568-494.000.
Nutter, Harry A., Jr.: *See—*
  Graff, John M.; Nutter, Harry A., Jr.; and Stoltze, Leon, 4,856,162, Cl. 29-156.80B.
Nuttin, Pierre, to Fobelmac Consulting AG. System for processing a web. 4,805,501, 2-21-89, Cl. 83-300.000.
Nutting, Thomas C.: *See—*
  Bradley, John J.; Painton, Richard C.; Acello, John J.; Sawyer, Edward G.; and Nutting, Thomas C., 4,816,929, Cl. 360-10.100.
  Noble, Stephen A.; and Nutting, Thomas C., 4,805,037, Cl. 358-335.000.
  Shroyer, Richard A.; and Nutting, Thomas C., 4,805,010, Cl. 358-29.000.
Nutton, Martin G., to Elliott Brothers (London) Limited. Head of display arrangements. 4,868,652, 9-19-89, Cl. 358-113.000.
Nutzel, Oswald, to Dyckerhoff & Widmann Aktiengesellschaft. Spacer for tension member. 4,848,052, 7-18-89, Cl. 52-230.000.
Nutzel, Oswald; Zimmermann, Egbert; and Jungwirth, Dieter, to Dyckerhoff & Widmann Aktiengesellschaft. Corrosion protected tension member for use in prestressed concrete and method of installing same. 4,878,327, 11-7-89, Cl. 52-230.000.
Nuutio, Erkki, to Autojoukko OY. Power transmission apparatus. 4,877,103, 10-31-89, Cl. 180-259.000.
Nuwayser, Elie S., to Biotek, Inc. Transdermal drug delivery system and method. 4,810,499, 3-7-89, Cl. 424-448.000.
Nuwayser, Elie S., to BIOTEK, Inc. Method of transdermal drug delivery. 4,834,978, 5-30-89, Cl. 424-448.000.
Nuytkens, Peter, to Charles Stark Draper Laboratory, Inc., The. Digital direct sequence spread spectrum receiver. 4,841,544, 6-20-89, Cl. 375-1.000.
Nuytten, Patrick: *See—*
  Maes, Dirk; Nuytten, Patrick; Cardoen, Marnick; Van Bogaert, Philippe; Verhulst, Jozef; Dejonghe, Gilbert; and Trioen, Jozef, 4,794,958, Cl. 139-435.000.
Nuzzo, Robert A., to Morgan Container Corp. Display case mounting system for shelving. 4,807,947, 2-28-89, Cl. 312-140.400.
N.V. Bekaert S.A.: *See—*
  Bourgois, Luc, 4,818,631, Cl. 428-605.000.
  Chambaere, Daniel, 4,841,119, Cl. 219-146.100.
  Chambaere, Daniel, 4,863,571, Cl. 204-1.00T.
  Coppens, Wilfried; Chambaere, Daniel; and Lievens, Hugo, 4,883,722, Cl. 428-625.000.
  Cosaert, Pierre, 4,863,028, Cl. 206-391.000.
  Dambre, Paul, 4,854,032, Cl. 29-527.400.
  Huyghe, Wilfried, 4,826,032, Cl. 220-19.000.
  Lievens, Hugo; and Coppens, Wilfried, 4,811,583, Cl. 72-38.000.
  Losfeld, Ronny; and Lefever, Ignace, 4,810,587, Cl. 428-549.000.
  Van Colen, Adelin, 4,826,093, Cl. 242-18.00R.
NV Medicopharma: *See—*
  Rossmark, Rene T. M., 4,880,410, Cl. 604-110.000.
N.V. Michel Van De Wiele: *See—*
  Debaes, Johny, 4,875,507, Cl. 139-450.000.
N.V. Nederlandsche Apparatenfabriek Nedap: *See—*
  Fockens, Tallienco W. H., 4,846,233, Cl. 141-94.000.
  Harmsen, Jan H., 4,813,379, Cl. 119-155.000.
  Hogen Esch, Johannes H. L.; and de Jong, Hendrik J., 4,847,592, Cl. 340-572.000.
N.V. Raychem S.A.: *See—*
  Jensen, Michael L.; Nolf, Jean-Marie E.; and Vansant, Jan, 4,801,784, Cl. 219-548.000.
  Peigneur, Paul G. L.; Leest, Yvo F. H.; and Van Beersel, Jozef F. L., 4,803,104, Cl. 428-35.100.
  Small, Michele; Friel, Kevin J.; and Meager, Paul A., 4,862,701, Cl. 62-150.000.
  Van Loo, Robert H.; and Cordia, Johannes M., 4,866,252, Cl. 219-535.000.
N.V. Sopar S.A.: *See—*
  Osuna Carillo de Albornoz, Antonio; and Castanys, Santiago, 4,844,900, Cl. 424-81.000.
N.V. Van der Eecken & Co.: *See—*
  Vogel, Walter; Schmucker, Wolfgang; Leurer, Erwin; and Beel, Francois, 4,803,834, Cl. 57-308.000.
N.V. Verenigde Instrumentenfabrieken Enraf-Nonius: *See—*
  Rindt, Petrus P. M., 4,823,775, Cl. 128-24.00A.

NVF Company: *See—*
Hsu, Ten-hu; Brown, Watson F.; and Saimre, Jerry J., 4,822,440, Cl. 156-307.500.
Nvtek Security Products, Inc.: *See—*
McMaster, Richard L., 4,876,445, Cl. 250-221.000.
Nya Bat & Maskinkapell HB: *See—*
Forsmark, Martin; and Wedlin, Per, 4,815,997, Cl. 441-82.000.
Nyberg, Eric D.; Klingman, Ken A.; Curtis, Jeff; and Stewart, Ray F., to Raychem Corporation. Method and articles employing ion exchange material. 4,888,098, 12-19-89, Cl. 204-1.00R.
Nyberg, Glen A.: *See—*
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Nyberg, Muriel R., Legal Representative: *See—*
Hollingsworth, John D.; Garrison, Joe K.; Collins, Joel C.; Warnock, William A., deceased; Weiskel, Lillith, Legal Representative; Nyberg, Muriel R., Legal Representative; Warnock, Charles F., legal representative; and Pergande, Lorraine, legal representative, 4,831,691, Cl. 19-98.000.
Nycomed AS: *See—*
Ege, Thorfinn, 4,832,940, Cl. 424-1.100.
Jacobsen, Trond; and Klaveness, Jo, 4,863,715, Cl. 424-9.000.
Nycz, David S.: *See—*
Cooper, Bruce C.; Erickson, Kenton L.; Green, James A.; and Nycz, David S., 4,867,119, Cl. 123-193.00P.
Nycz, Joseph D., to Owens-Illinois Closure Inc. Watertight molded plastic dispensing closure. 4,801,054, 1-31-89, Cl. 222-545.000.
Nycz, Joseph D.; and Schoenlein, Mark J., to Owens-Illinois Closure Inc. Dispensing closure. 4,821,899, 4-18-89, Cl. 215-235.000.
Nycz, Joseph D., to Owens-Illinois Closure Inc. Dual dispensing hinged closure. 4,832,219, 5-23-89, Cl. 215-235.000.
Nye, Edward L. Pavement planer. 4,834,463, 5-30-89, Cl. 299-39.000.
Nye, Norman H. Container valve and filling means. 4,836,253, 6-6-89, Cl. 141-18.000.
Nye, Stephen F., to Lifetime Products, Inc. Method and apparatus for adjusting a basketball goal. 4,805,904, 2-21-89, Cl. 273-1.50R.
Nye, Stephen F., to Lifetime Products, Inc. Apparatus for flexibly mounting a basketball goal. 4,846,469, 7-11-89, Cl. 273-1.50R.
Nye, Stephen F., to Lifetime Products, Inc. Method and apparatus for adjusting a basketball goal. 4,881,734, 11-21-89, Cl. 273-1.50R.
Nye, Wilfred G.: *See—*
Anderson, Wilford A., 4,848,736, Cl. 272-33.00R.
Nyfeler, Robert; Eckhardt, Wolfgang; and Beriger, Ernst, to Ciba-Geigy Corporation. 2-Mercapto-5-pyrazinyl-1,3,4-oxadiazoles or 2-mercapto-5-pyrazinyl-1,3,4-thiadiazoles as nematicides. 4,861,367, 8-29-89, Cl. 71-92.000.
Nyfeler, Robert: *See—*
Beriger, Ernst; Eckhardt, Wolfgang; and Nyfeler, Robert, 4,861,787, Cl. 514-363.000.
Zondler, Helmut; Hubele, Adolf; and Nyfeler, Robert, 4,840,662, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; and Nyfeler, Robert, 4,849,009, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; Nyfeler, Robert; and Brunner, Hans-Georg, 4,851,028, Cl. 71-76.000.
Nyffeler, Andreas; and Hubele, Adolf, to Ciba-Geigy Corporation. Use of quinoline derivatives for the protection of cultivated plants. 4,881,966, 11-21-89, Cl. 71-94.000.
Nyffeler, Andreas: *See—*
Bellucci, Sergio; Hubele, Adolf; and Nyffeler, Andreas, 4,851,031, Cl. 71-92.000.
Nygaard, Steen: *See—*
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Nygren, Donald W.: *See—*
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Nygren, Edward: *See—*
Ford, Kenneth R.; Ford, Ellen L.; Nygren, Edward; and Nygren, Joyce, 4,884,816, Cl. 273-240.000.
Nygren, Joyce: *See—*
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Nygren, Nils O.: *See—*
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Nygren, Sune B.: *See—*
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Nyhof, Eldon J.: *See—*
Skogler, Brian I.; Schofield, Kenneth; Lantz, William P.; Nyhof, Eldon J.; Helder, Dorothy J.; and Flowerday, Charles M., 4,807,096, Cl. 362-142.000.
Nyilas, Charles P.; and Guardiani, Richard F., to Westinghouse Electric Corp. Reactor coolant pump hydrostatic sealing assembly with externally pressurized hydraulic balance chamber. 4,848,774, 7-18-89, Cl. 277-3.000.
Nyilas, Charles P.: *See—*
Guardiani, Richard F.; and Nyilas, Charles P., 4,838,559, Cl. 277-3.000.
Nyiredy, Szabolcs; Erdelmeier, Clemens; and Sticher, Otto, to Petazon, Inc. Method for sequential centrifugal stratification chromatography for separating components from mixtures. 4,797,215, 1-10-89, Cl. 210-658.000.
Nyiri, Balazs: *See—*
Szanto, Janos; Hollo, Sandor; Nyiri, Balazs; and Nagel, Ferenc, 4,843,266, Cl. 313-25.000.
Nykvist, Arline M.: *See—*
Gaffar, Abdul; Lau, Shek-Hong H.; Afflitto, John; and Nykvist, Arline M., 4,889,712, Cl. 424-52.000.
Nylander-Hill, Pamela R.: *See—*
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Nylok Fastener Corporation: *See—*
Duffy, Richard; and Sessa, Eugene, 4,815,414, Cl. 118-308.000.
Duffy, Richard, 4,835,819, Cl. 427-195.000.
Duffy, Richard J.; DiMaio, Anthony; and Sessa, Eugene D., 4,888,214, Cl. 427-183.000.
Sessa, Eugene D.; and Duffy, Richard, 4,842,890, Cl. 427-47.000.
Sessa, Eugene D.; and Duffy, Richard, 4,865,881, Cl. 427-181.000.
Nylund, Olov, to AB Asea-Atom. Nuclear fuel assembly. 4,795,608, 1-3-89, Cl. 376-444.000.
Nylund, Olov; and Scholin, Bertil, to AB ASEA ATOM. Fuel assembly with a water flow separated from the fuel rodsr. 4,826,653, 5-2-89, Cl. 376-444.000.
Nylund, Olov, to AB Asea-Atom. Nuclear reactor fuel assembly. 4,859,407, 8-22-89, Cl. 376-446.000.
Nylund, Olov: *See—*
DeMario, Edmund E.; Johansson, Anders; and Nylund, Olov, 4,839,136, Cl. 376-462.000.
Nyman, Bror G.; and Hummelstedt, Leif Erik I., to Outokumpu Oy. Extraction process for removing and recovering metals from aqueous solutions. 4,818,503, 4-4-89, Cl. 423-10.000.
Nyman, Bruce M.: *See—*
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Nymark, Hans; and Nymark, Ellen, 4,884,701, Cl. 211-69.800.
Nymark, Hans; and Nymark, Ellen. Artists' implement organizer. 4,884,701, 12-5-89, Cl. 211-69.800.
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Beierle, John D., 4,885,769, Cl. 379-210.000.
Brancati, Rudolf P., 4,837,815, Cl. 379-438.000.
Brancati, Rudolph P., 4,885,774, Cl. 379-438.000.
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Loris, Keith; and Euchner, James, 4,876,731, Cl. 382-40.000.
Nyodine Products, Inc.: *See—*
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Nyquist, Richard A.: *See—*
Naegeli, Andrew H.; Grau, Juan; and Nyquist, Richard A., 4,818,931, Cl. 324-77.00B.
Nyssen, Peter R.: *See—*
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Nyssen, Roger: *See—*
Wagner, Wolfram; Nyssen, Roger; Berkenhaus, Dirk; and van Pey, Hans-Theo, 4,838,917, Cl. 65-5.000.
Nystrom, Lars: *See—*
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Nystrom, Mats: *See—*
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Nystuen, Arne M., to Whirlpool Corporation. Pump motor/basket brake for an automatic washer. 4,802,347, 2-7-89, Cl. 68-23.700.
Nystuen, David L.: *See—*
Copeland, James L.; Nystuen, David L.; van Dijk, Lambertus P., deceased; and Snyder, Father Peter, administrator, 4,826,661, Cl. 422-106.000.
Nystuen, Paul A.; Batcheller, Barry D.; Brekkestran, Kevin L.; and Kraning, Calvin J., to J. I. Case Company. Steering control system for articulated vehicle. 4,802,545, 2-7-89, Cl. 180-135.000.
NYTD Industries Inc.: *See—*
Evseanko, Nicholas, Jr., 4,854,789, Cl. 408-125.000.
Nytomt, Jan G.: *See—*
Gillbrand, Per S.; Johansson, Sven H.; and Nytomt, Jan G., 4,848,287, Cl. 123-162.000.
Johansson, Sven H.; and Nytomt, Jan G., 4,886,036, Cl. 123-596.000.
Nyui, Masaru, to Tokyo Kogaku Kikai Kabushiki Kaisha. Retinal camera. 4,810,084, 3-7-89, Cl. 351-206.000.
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O/A Technologies, Inc.: *See—*
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Kaneko, Tamaki, 4,887,060, Cl. 355-323.000.
O.B.I. Inc.: *See—*
O'Brien, Paul, 4,830,318, Cl. 248-165.000.
O. F. Mossberg & Sons, Inc.: *See—*
Mossberg, Alan I., 4,841,657, Cl. 42-76.010.
O G & E: *See—*
Rodden, Steve, 4,864,285, Cl. 340-644.000.
O-I Brockway Glass, Inc.: *See—*
Beningo, Joseph A., 4,880,454, Cl. 65-24.000.
McCausland, Thomas W., 4,873,674, Cl. 65-374.120.
O. I. Corporation: *See—*
Hall, Randall C., 4,804,846, Cl. 250-379.000.

O & J Design: *See—*
Olejniczak, Andrzej J., 4,817,285, Cl. 30-47.000.
O & K Orenstein & Koppel Aktiengesellschaft: *See—*
Althoff, Karl-Heinz, 4,840,533, Cl. 414-495.000.
Althoff, Karl-Heinz; Kunick, Werner; Munstermann, Manfred; Voss, Uwe; and Glanz, Werner, 4,854,805, Cl. 414-495.000.
Binder, Ulrich, 4,799,595, Cl. 209-135.000.
Haak, Wolfgang; Kirchhoff, Bernd; and Binder, Ulrich, 4,813,480, Cl. 165-120.000.
Leidinger, Gustav; Proll, Gunther; and Kolb, Walter, 4,852,660, Cl. 172-795.000.
O.K. Trading Co., Ltd.: *See—*
Nakai, Hirotaka; and Edagawa, Setsuji, 4,886,972, Cl. 250-504.00R.
O, Kenneth K.; Pearce, Lawrence G.; and Matlock, Dyer A., to Harris Corp. CMOS device having reduced spacing between N and P channel. 4,829,359, 5-9-89, Cl. 357-42.000.
O. Key Printed Wiring Co., Ltd.: *See—*
Ozaki, Risuke, 4,817,280, Cl. 29-846.000.
Ozaki, Risuke, 4,882,000, Cl. 156-239.000.
O M Kiki Co., Ltd.: *See—*
Kobayashi, Tokuzo; and Watanabe, Iwao, 4,850,163, Cl. 52-126.600.
Tokuzo, Kobayashi, 4,856,256, Cl. 52-805.000.
O.M.S.I. s.a.s. di Baccaro Vincenzo & C.: *See—*
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O.M. Scott & Sons Company, The: *See—*
Lemkin, Jack L.; Peterson, Carl A.; and Zilber, Eugene A., 4,850,555, Cl. 248-87.000.
McVey, George R.; Tornberg, Kenneth W.; Widell, Larry R.; and Wood, George E., 4,824,473, Cl. 71-92.000.
O.M.V. S.p.A. (Officine Meccaniche Veronesi): *See—*
Padovani, Pietro, 4,872,826, Cl. 425-388.000.
O. R. Concepts, Inc.: *See—*
Poettgen, Robert J., 4,889,135, Cl. 128-849.000.
O & S Manufacturing Company: *See—*
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O/Y Kyro A/B Tamglass: *See—*
Reunamaki, Pauli T.; and Jarvinen, Jouko K., 4,881,962, Cl. 65-104.000.
Oak Industries Inc.: *See—*
Beiswenger, John L., 4,847,606, Cl. 340-712.000.
Kubicek, Todd R.; and Dieringer, Andrew M., 4,825,919, Cl. 144-252.00R.
Oak, Reginald O. Vapor barrier hole plug. 4,807,415, 2-28-89, Cl. 52-514.000.
Oak, Reginald O.; and Preinsberger, William J. Retainer cap for spinning rod holder. 4,856,220, 8-15-89, Cl. 43-21.200.
Oak Ridge Associated Universities, Inc.: *See—*
Simpson, Michael L., 4,833,394, Cl. 324-71.300.
Simpson, Michael L., 4,878,014, Cl. 324-71.300.
Oak Ridge Research Institute: *See—*
Revis, Nathaniel W.; Benson, Suzanne B.; and Osborne, Tanya R., 4,826,602, Cl. 210-611.000.
Oak Stump Farm, Inc.: *See—*
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Oakes, Jeffery T.: *See—*
Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart, 4,859,991, Cl. 340-572.000.
Oakes, Martin C.; Scully, Graham D.; and Adams, Michael, to Y.S. Securities Limited. Electrical ring main unit. 4,827,088, 5-2-89, Cl. 200-18.000.
Oakes, Thomas R.; Pedersen, Daniel E.; and Majewski, Donna M., to Ecolab Inc. Disinfectant polymeric coatings for hard surfaces. 4,883,828, 11-28-89, Cl. 523-122.000.
Oakes, Thomas R.: *See—*
Freis, Richard E.; Maloney, James E.; and Oakes, Thomas R., 4,810,328, Cl. 162-60.000.
Lentsch, Steven E.; and Oakes, Thomas R., 4,846,993, Cl. 252-95.000.
Oakland Corporation, The: *See—*
Wallace, John S., 4,851,175, Cl. 264-255.000.
Wallace, Richard B., 4,847,113, Cl. 427-54.100.
Oakland, Dennis N., to O'Brien International, Inc. Kneeboard with retractable fins. 4,883,436, 11-28-89, Cl. 441-65.000.
Oakland Engineering Inc.: *See—*
Fisch, Alfred C., 4,809,538, Cl. 73-40.50A.
Fisch, Alfred C., 4,852,390, Cl. 73-40.50A.
Oakland, Steven F.; and Ogilvie, Clarence R., to International Business Machines Corporation. Testable passgate logic circuits. 4,868,413, 9-19-89, Cl. 307-243.000.
Oakley, Barbara A., to Kimberly-Clark Corporation. Disposable hygenic shoe insole and method for making the same. 4,864,740, 9-12-89, Cl. 36-44.000.
Oakley, David; and Parsons, Donald I., to Megatek Corporation. Anti-aliasing raster scan display system. 4,843,380, 6-27-89, Cl. 340-723.000.
Oakley, Gerald R.: *See—*
Ziegler, John H.; Oakley, Gerald R.; and Krause, Daniel F., Sr., 4,842,319, Cl. 296-91.000.
Oakley, Inc.: *See—*
Jannard, James H., 4,859,048, Cl. 351-159.000.
Jannard, James H., 4,867,550, Cl. 351-47.000.
Oaks, Douglas W., to Lloyd's Food Products, Inc. Rolled pouch cooking method. 4,867,995, 9-19-89, Cl. 426-234.000.
Oaks, Richard W., to Hughes Aircraft Company. Loop resistance test apparatus. 4,808,911, 2-28-89, Cl. 324-57.00Q.
Oana, Yoshinori: *See—*
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, 4,796,989, Cl. 351-212.000.
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, 4,810,085, Cl. 351-212.000.
Oare, Thomas R.: *See—*
Bormann, Rene L.; Maathuis, Antonnis G.; Spielmann, Jurgen; Meijer, Theo; Beer, Klaus; and Oare, Thomas R., 4,869,307, Cl. 152-533.000.
Oasheim, Gregory S. Portable bird-shaped blind. 4,829,694, 5-16-89, Cl. 43-1.000.
Oashi, Ryuji: *See—*
Hara, Yasuo; Oashi, Ryuji; Kawahara, Yoshitaka; and Takeuchi, Mikio, 4,861,931, Cl. 585-363.000.
Oates, Clarence L.: *See—*
Prusas, Zenon C.; and Oates, Clarence L., 4,869,783, Cl. 162-18.000.
Oates, James H.; Liu, Lun K.; Sundaram, Swaminathan H.; and Tafarrodi, Hassanali, to General Electric Company. Shaft to impeller integrity determination in assembled pumps by remote sensing. 4,805,457, 2-21-89, Cl. 73-572.000.
Oates, Martin, to Texas Instruments Incorporated. Content addressable memory. 4,852,059, 7-25-89, Cl. 365-49.000.
Oates, Stephanie J., to PPG Industries, Inc. Compositions for producing polymers of high refractive index. 4,829,136, 5-9-89, Cl. 526-230.500.
Oatey Company: *See—*
Naton, Paul E., 4,879,096, Cl. 420-561.000.
OB Products, Inc.: *See—*
Young, Thomas A., 4,810,950, Cl. 324-57.0PS.
Oba, Hidehiro; and Kato, Senji, to Toyota Jidosha Kabushiki Kaisha. Method of and system for controlling fuel injection rate in an internal combustion engine. 4,886,030, 12-12-89, Cl. 123-488.000.
Oba, Hidehiro: *See—*
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Isobe, Toshiaki; and Oba, Hidehiro, 4,878,386, Cl. 73-861.220.
Oba, Hiroyoshi: *See—*
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Oba, Kiyoyuki: *See—*
Sugimura, Tuyoshi; Hori, Kenji; and Oba, Kiyoyuki, 4,873,917, Cl. 99-355.000.
Oba, Koichiro; Schoeps, Wilfried; and Taqqu, David, to Hamamatsu Photonics Kabushiki Kaisha. Apparatus for detecting the position of incidence of particle beams including a microchannel plate having a strip conductor with combed teeth. 4,882,480, 11-21-89, Cl. 250-213.0VT.
Oba, Masao: *See—*
Takeuchi, Kunihiko; and Oba, Masao, 4,821,198, Cl. 364-468.000.
Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, 4,855,994, Cl. 370-69.100.
Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, 4,856,177, Cl. 29-568.000.
Oba, Ryohei: *See—*
Obayashi, Arata; and Oba, Ryohei, 4,866,415, Cl. 340-384.00E.
Oba, Ryozo, to Tokyo Electric Co., Ltd. Printing apparatus and a paper controlling method for a printer wherein paper slack is cancelled. 4,815,878, 3-28-89, Cl. 400-616.300.
Oba, Ryozo. Dot printing device capable of printing underline together with characters. 4,887,226, 12-12-89, Cl. 364-519.000.
Oba, Toshio: *See—*
Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, 4,814,376, Cl. 524-588.000.
Oba, Toshiro; Kuno, Michiaki; Akizuki, Noboru; and Inamori, Yoshimitsu, to Sharp Kabushiki Kaisha. Electronic calculator having matrix calculations. 4,866,650, 9-12-89, Cl. 364-736.000.
Oba, Yasuo, to Canon Kabushiki Kaisha. Tensioning apparatus for an ink ribbon cassette. 4,828,411, 5-9-89, Cl. 400-196.100.
Oba, Yoichi: *See—*
Iwasa, Yamahiro; Oba, Yoichi; and Morooka, Isao, 4,837,050, Cl. 427-96.000.
Obadia, Jacques, to RICAL S.A. Tamper-proof pourer and stopper cap assembly. 4,796,769, 1-10-89, Cl. 215-232.000.
Obagi, Zein E. Method for healing damaged skin. 4,874,361, 10-17-89, Cl. 604-20.000.
Obal, Michael S. Indicator assembly. 4,856,564, 8-15-89, Cl. 141-95.000.
Obama, Masao; Kondoh, Mitsunori; and Wakabayashi, Kunio, to Kabushiki Kaisha Toshiba. Joint device. 4,831,893, 5-23-89, Cl. 74-479.000.
Obana, Bunichi; and Kanazawa, Kenichi, to Sony Corporation. FM communication device with avoidance of interference by substantially same channel FM signal. 4,882,768, 11-21-89, Cl. 455-207.000.
Obana, Haruo: *See—*
Nakamura, Takashi; Hikuma, Motohiko; Kuratani, Takahiro; Obana, Haruo; and Morita, Yasutsugu, 4,801,204, Cl. 356-338.000.
Obana, Jinichi: *See—*
Ai, Minoru; Hiranuma, Kenji; Obana, Jinichi; and Ito, Toshio, 4,795,345, Cl. 433-202.100.
O'Banion, Michael L.; Bean, Frederick R.; and Garuglieri, Andrea, to Black & Decker Inc. Storable radial arm saw. 4,827,819, 5-9-89, Cl. 83-471.300.
Obara Corporation: *See—*
Tanabe, Katuji, 4,855,532, Cl. 174-15.700.
Tanabe, Katuji, 4,868,348, Cl. 174-15.700.
Umeda, Shigeru, 4,879,447, Cl. 219-86.250.

Obara, Haruki, to Fanuc Ltd. Wire electrode type electrical discharge machining equipment. 4,801,779, 1-31-89, Cl. 219-69.00W.

Obara, Haruki, to Fanuc Ltd. Electrical power feeder for a wire electrode type electrical discharge machining apparatus. 4,803,327, 2-7-89, Cl. 219-69.00W.

Obara, Haruki, to Fanuc Ltd. Wire guide for electric discharge wire cutting. 4,803,328, 2-7-89, Cl. 219-69.00W.

Obara, Haruki, to Fanuc Ltd. Method and apparatus for wire-cut electrical discharge machining. 4,806,720, 2-21-89, Cl. 219-69.00W.

Obara, Haruki; Aso, Toshiyuki; and Kinoshita, Hiroshi, to Fanuc Ltd. Wire cut electric discharge machine. 4,816,636, 3-28-89, Cl. 219-69.00W.

Obara, Haruki; Aso, Toshiyuki; Kinoshita, Hiroshi; and Ishibashi, Tamotsu, to Fanuc Limited. Automatic wire connecting apparatus for wire cut electric discharge machine. 4,818,848, 4-4-89, Cl. 219-69.120.

Obara, Haruki, to Fanuc Ltd. Electric discharge machine position finding apparatus. 4,820,895, 4-11-89, Cl. 219-69.130.

Obara, Haruki, to Fanuc Ltd. Electric discharge machining control apparatus. 4,833,289, 5-23-89, Cl. 219-69.180.

Obara, Haruki, to Fanuc Ltd. Electric discharge wire cutting conditions varied with nozzle height and liquid pressure. 4,833,290, 5-23-89, Cl. 219-69.120.

Obara, Haruki, to Fanuc Ltd. Electric discharge machining power source. 4,864,092, 9-5-89, Cl. 219-69.180.

Obara, Haruki, to Fanuc Ltd. Wire electric discharge machining control apparatus. 4,868,760, 9-19-89, Cl. 364-474.040.

Obara, Haruki, to Fanuc Ltd. Electrical discharge machining equipment. 4,882,464, 11-21-89, Cl. 219-69.130.

Obara, Hideo: *See—*
  Nagashima, Hideyuki; Obara, Hideo; and Kimituka, Akira, 4,807,715, Cl. 180-268.000.

Obara, Hideto: *See—*
  Tomoshige, Shozo; Obara, Hideto; Kondo, Kozo; Otomura, Keiichiro; and Yano, Soichiro, 4,832,924 Cl. 423-7.000.

Obara, Hideyuki, to Fujitsu Limited. Method of measuring a cable delay time. 4,814,689, 3-21-89, Cl. 324-58.50B.

Obara, Kazuaki: *See—*
  Takamura, Yoshinari; Obara, Kazuaki; and Nagashima, Michiyoshi, 4,875,203, Cl. 369-46.000.

Obara, Kazuki: *See—*
  Kikuchi, Hiroshi; Tanuma, Jiro; Obara, Kazuki; and Yoshida, Kazuyoshi, 4,851,861, Cl. 346-76.0PH.

Obara, Nobuji: *See—*
  Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.

Obara, Takashi, to NEC Corporation. Random access memory device with nibble mode operation. 4,875,189, 10-17-89, Cl. 365-189.040.

Obara, Takashi: *See—*
  Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, 4,889,566, Cl. 148-2.000.
  Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, 4,818,299, Cl. 148-2.000.
  Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, 4,861,390, Cl. 148-12.00R.

Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, to Furukawa Electric Co., Ltd., The. Optical switch and optical keyboard utilizing the same. 4,836,636, 6-6-89, Cl. 350-96.200.

Obara, Yuichi: *See—*
  Hikami, Toshiya; Yoshida, Koji; Obara, Yuichi; and Fuse, Kenichi, 4,846,729, Cl. 439-161.000.
  Nakai, Sinichiro; Obara, Yuichi; Yuguchi, Renichi; and Tachigami, Shigeru, 4,801,191, Cl. 350-96.200.

Obarowski, Richard: *See—*
  Vietrogoski, Charles J.; Coker, Guy C.; and Obarowski, Richard, 4,833,959, Cl. 83-404.200.

Obase, Hiroyuki: *See—*
  Okazaki, Kei; Oshima, Etsuo; Obase, Hiroyuki; Oiji, Yoshimasa; Nito, Masaaki; and Kubo, Kazuhiro, 4,849,441, Cl. 514-414.000.
  Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-431.000.

Obaseki, Kienuwa H.: *See—*
  Armstead, Kenneth W.; Bezue, Terry N.; and Obaseki, Kienuwa H., 4,847,123, Cl. 428-9.000.

Obasogie, Jackson. Smoking habit breaker. 4,881,554, 11-21-89, Cl. 137-270.000.

Obata, Akira: *See—*
  Kohno, Masahiro; Obata, Akira; Kitamura, Takayuki; and Okazaki, Kakuma, 4,856,765, Cl. 267-166.000.

Obata, Fumio: *See—*
  Suenaga, Makoto; and Obata, Fumio, 4,807,728, Cl. 188-260.000.
  Suenaga, Makoto; Obata, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,688, Cl. 420-22.000.

Obata, Hiroyuki: *See—*
  Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.

Obata, Isao: *See—*
  Yamada, Jiro; Haseoka, Masahide; and Obata, Isao, 4,841,503, Cl. 369-14.000.

Obata, Keiichi; Yoshida, Suguru; Saitoh, Masahiro; and Ono, Yoshinobu, to Honda Giken Kogyo Kabushiki Kaisha. Casting a plastic windshield. 4,889,678, 12-26-89, Cl. 264-313.000.

Obata, Ken: *See—*
  Konishi, Kenjiro; and Obata, Ken, 4,806,123, Cl. 439-595.000.

Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, to Mitsui Toatsu Chemicals, Incorporated. Evaporator. 4,812,203, 3-14-89, Cl. 159-6.200.

Obata, Kosei, to Alps Electric Co., Ltd. Illuminating device for an electric part. 4,807,091, 2-21-89, Cl. 362-30.000.

Obata, Minoru: *See—*
  Nakao, Toru; Kawakami, Minoru; Obata, Minoru; and Morita, Kenji, 4,849,421, Cl. 514-248.000.

Obata, Mitsuyoshi, to Kabushiki Kaisha Kobe Seiko Sho. Speed reduction clutch mechanism. 4,846,017, 7-11-89, Cl. 74-789.000.

Obata, Shigeru: *See—*
  Sato, Kazutaka; Watanabe, Michihiro; Zen, Munetoshi; Obata, Shigeru; Atoh, Kazuhiko; and Kamachi, Katsuhiko, 4,835,55 Cl. 346-76.0PH.

Obata, Takeo; Takata, Akira; and Fujioka, Takuro, to Ricoh Company Ltd. Logic integrated circuit device selecting as outputs any two of two inputs and two logical combinations of the inputs. 4,857,77 8-15-89, Cl. 307-468.000.

Obata, Takeo: *See—*
  Takata, Akira; and Obata, Takeo, 4,839,539, Cl. 307-465.000.

Obata, Takeshi; and Kobayashi, Hideaki, to Hitachi, Ltd. Ring spinning machine. 4,876,847, 10-31-89, Cl. 57-100.000.

Obata, Takeshi: *See—*
  Kobayashi, Hideaki; and Obata, Takeshi, 4,833,873, Cl. 57-100.000.

Obata, Yoriko: *See—*
  Osugi, Minoru; Nakamura, Tadasi; and Obata, Yoriko, 4,806,51 Cl. 502-202.000.

Obata, Yoshiharu: *See—*
  Kawamura, Shigeharu; Obata, Yoshiharu; Fujimoto, Yuichi; and Kabashima, Kinya, 4,825,067, Cl. 250-213.0VT.

Obata, Yoshiko: *See—*
  Fuchikami, Takamasa; Urata, Hisao; Ishii, Yoshimitsu; and Obata, Yoshiko, 4,855,487, Cl. 560-227.000.

Obata, Yoshinori: *See—*
  Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, 4,871,596, Cl. 428-15.000.

Obata, Yutaka: *See—*
  Takada, Yutaka; Doi, Koichi; Yamazaki, Tsutomu; and Obata, Yutaka, 4,856,710, Cl. 236-13.000.

Obatake, Kohei: *See—*
  Tashiro, Yoichi; Baba, Hideki; Obatake, Kohei; Sakka, Hiroshi; and Sohara, Ichiro, 4,855,157, Cl. 426-609.000.

Obato, Fumio: *See—*
  Ishihara, Yasuoki; Obato, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,687, Cl. 420-13.000.

Obayashi, Akira; Hiraoka, Nobutsugu; Kita, Keiko; and Nakajima, Hiroshi, to Takara Shuzo Co., Ltd. New restriction enzyme and process for producing the same. 4,808,531, 2-28-89, Cl. 435-195.000.

Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, to Takara Shuzo Co., Ltd. Enzyme composition. 4,868,115, 9-19-89, Cl. 435-188.000.

Obayashi, Akira: *See—*
  Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teru; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.

Obayashi, Arata; and Oba, Ryohei, to Kabushiki Kaisha Toshiba. Tone signal generating system for use in communication apparatus. 4,866,415, 9-12-89, Cl. 340-384.00E.

Obayashi, Hideki; Nishio, Yoshitaka; Kohama, Tokio; and Goto, Hiroyuki, to Nippondenso Co., Ltd. Intake apparatus for internal combustion engine. 4,858,568, 8-22-89, Cl. 123-52.00M.

Obayashi, Hideki: *See—*
  Goto, Hiroyuki; Kohama, Tokio; Nishio, Yoshitaka; Obayashi, Hideki; and Horie, Kazuyuki, 4,796,584, Cl. 123-403.000.

Obayashi, Hiroaki: *See—*
  Kobayashi, Hiroshi; and Obayashi, Hiroaki, 4,796,726, Cl. 181-123.000.

Obayashi, Hisashi; Tanabayashi, Chikara; Asaka, Akiyoshi; and Gotoh, Yukio, to Takeda Chemical Industries, Ltd. Agricultural composition with reduced toxicity to fishes and shellfishes. 4,886,656, 12-12-89, Cl. 424-10.000.

Obayashi, Katsuki, to Hitachi Denshi Kabushiki Kaisha. Voltage-controlled oscillator. 4,801,898, 1-31-89, Cl. 331-132.000.

Obayashi, Michio: *See—*
  Mano, Tsutomu; Kawase, Jiro; Misu, Daisuke; and Obayashi, Michio, 4,871,372, Cl. 8-410.000.

Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, to Seitetsu Kagaku Co., Ltd. Water-absorbent resin composition. 4,863,989, 9-5-89, Cl. 524-419.000.

Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, to Seitetsu Kagaku Co., Ltd. Process for producing a water-absorbent resin. 4,880,888, 11-14-89, Cl. 526-209.000.

Obeda, Edward G. Apparatus and method for ultrasonically joining sheets of thermoplastic materials. 4,834,827, 5-30-89, Cl. 156-352.000.

Obenauf, Dieter: *See—*
  Feustel, Mattias; Frotscher, Guenter; Nitschke, Wieland; Obenauf, Dieter; Saupe, Juergen; and Weidelt, Manfred, 4,840,202, Cl. 139-425.00R.

Obenchain, Frederick: *See—*
  Ellis, Beth-Jayne; Obenchain, Frederick; and Mehta, Raj, 4,824,671, Cl. 424-195.100.

Obeng, Edward D. A.: *See—*
  van Lookeren-Campagne, Constant J.; and Obeng, Edward D. A., 4,797,366, Cl. 435-264.000.

Ober, Christopher K.: *See—*
  Winnik, Francoise M.; Ober, Christopher K.; and Croucher, Melvin D., 4,795,794, Cl. 526-259.000.

Oberdorf, Manfred, to Maschinenfabrik Alfred Schmermund GmbH & Co. Apparatus for ejecting cigarettes from a magazine. 4,805,376, 2-21-89, Cl. 53-151.000.

Oberfranz, Rudolf: *See—*
  Lengen, Wilhelm; Oberfranz, Rudolf; and Puritz, Wolfgang, 4,882,007, Cl. 156-523.000.

Oberg, David J.: *See—*
  Bugg, Brian J.; Martin, Glenn E.; Oberg, David J.; and Ticu, Adriana E., 4,882,003, Cl. 156-315.000.

Oberg Enterprises, Inc.: *See—*
  Butler, David L., 4,832,392, Cl. 294-82.120.

Oberg, Gary R. Damped magnetic head suspension assembly. 4,819,094, 4-4-89, Cl. 360-104.000.

Oberg, Hans-Joachim: *See—*
  Beckmann, Hans-Dieter; and Oberg, Hans-Joachim, 4,833,939, Cl. 74-579.00E.

Oberg Industries, Inc.: *See—*
  Malloy, Joseph P.; and Baldwin, William, 4,813,320, Cl. 83-61.000.
  Walters, Harry, 4,855,606, Cl. 250-548.000.
  Walters, Harry, 4,886,973, Cl. 250-548.000.

Oberg, Kurt, to Jonkopings Lans Landsting. Method and apparatus for manufacturing a modified, three-dimensional reproduction of a soft, deformable object. 4,821,200, 4-11-89, Cl. 364-474.240.

Oberg, Robert E., to Broyhill Mfg. Co., Inc., The. Waste container. 4,863,053, 9-5-89, Cl. 220-1.00T.

Oberg, Sven E.: *See—*
  Phillips, James G., Jr.; Oberg, Sven E.; and Wilder, Cynthia D., 4,845,862, Cl. 36-83.000.

Oberhardt, Bruce, to Cardiovascular Diagnostics, Inc. Reaction system element and method for performing prothrombin time assay. 4,849,340, 7-18-89, Cl. 435-13.000.

Oberhardt, Bruce J.; and Palmer, Phyllis J., to Becton, Dickinson and Company. Device for the separation of the lighter fraction from the heavier fraction of a liquid sample. 4,843,017, 6-27-89, Cl. 436-177.000.

Oberhardt, Bruce J.; and Palmer, Phyllis J., to Becton, Dickinson and Company. Device for the separation of the lighter fraction from the heavier fraction of a liquid sample. 4,879,098, 11-7-89, Cl. 422-101.000.

Oberhausen, Erich; Kuhlmann, Ludwig; Seibert, Gerhard; Steinstraser, Axel; Schroth, Hans-Joachim; and Bremer, Karl-Heinz, to Hoechst Aktiengesellschaft. Diagnostic aid for the scintigraphic visualization of malignant tumors comprising the substance obtained from enzymatic processing of murein using hen's eggwhite lysozyme. 4,885,151, 12-5-89, Cl. 424-1.100.

Oberhausen, Wolfgang: *See—*
  Hagens, Hajo; Kober, Reinhard; and Oberhausen, Wolfgang, 4,830,303, Cl. 242-67.10R.

Oberheim, Wolfgang; and Hadeishi, Tetsuo, to Gruen Optik Wetzlar GmbH. Process and device for the generation of a linearly dependent measurement signal. 4,815,847, 3-28-89, Cl. 356-307.000.

Oberkobusch, Doris; Morlock, Roland; Stritzke, Karl-Heinz; and Schieferstein, Ludwig, to Henkel Kommanditgesellschaft auf Aktien. Adducts of carboxylic acids and isocyanates with epoxides, aqueous dispersions containing these adducts, processes for their preparation and their use in the autophoretic coating of metallic surfaces. 4,859,721, 8-22-89, Cl. 523-402.000.

Oberkobusch, Rudolf: *See—*
  Beneke, Herbert; Alscher, Arnold; Oberkobusch, Rudolf; Peter, Siegfried; and Jaumann, Wolfgang, 4,871,443, Cl. 208-39.000.

Oberlander, Dennis A.: *See—*
  Voroba, Barry; and Oberlander, Dennis A., 4,870,688, Cl. 381-60.000.

Oberlander, Jerry D.: *See—*
  Greene, Timothy R.; Oberlander, Jerry D.; Ostertag, Richard O.; and Vavra, Frank, 4,809,766, Cl. 164-151.000.

Oberle, Edmond M.; and Klein, Jean M., to Kun S.A. Machine for working soil. 4,848,482, 7-18-89, Cl. 172-54.500.

Oberle, Edmond M.; and Klein, Jean M., to Kuhn s.a. Machine for working soil. 4,856,598, 8-15-89, Cl. 172-54.500.

Oberle, Ferdinand, to Ferob, A.G. Device for holding credit cards and bank check cards. 4,852,727, 8-1-89, Cl. 206-39.400.

Oberle, Hans-Dieter: *See—*
  Hoffmann, Kurt; Oberle, Hans-Dieter; Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,885,748, Cl. 371-21.300.

Oberle, Timothy T., to W. R. Grace & Co.-Conn. Multiple-layer, cook-in film. 4,855,183, 8-8-89, Cl. 428-345.000.

Oberle, Timothy T., to W. R. Grace & Co.-Conn. Perforated cook-in shrink bag. 4,879,124, 11-7-89, Cl. 426-113.000.

Oberley, Gene L., to American Laundry Machinery, Inc. Press and method of making same. 4,843,745, 7-4-89, Cl. 38-34.000.

Oberlin, Claude; and Le Bras, Jean, to Electricite de France Service National. Diaphragm safety device with upstream active bursting knife. 4,830,052, 5-16-89, Cl. 137-68.100.

Oberlinner, Andreas: *See—*
  Guentner, Andreas; Mayer, Udo; and Oberlinner, Andreas, 4,841,050, Cl. 544-150.000.

Oberman, Carl D.: *See—*
  Bogar, Jerry H.; Cassel, Willard F., Jr.; Mummey, Dale B.; Oberman, Carl D.; and Summers, Donald J., 4,861,271, Cl. 439-63.000.

Obermann, George; and Brzozowski, Marek, to Eaton Corporation. Remote power mirror switch assembly. 4,866,221, 9-12-89, Cl. 200-5.00R.

Obermann, Peter: *See—*
  Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,808,089, Cl. 417-417.000.
  Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,883,467, Cl. 604-152.000.

Obermarck, Ronald L.; Palmer, John D.; and Treiber, Richard K., to International Business Machines Corporation. Extended atomic operations. 4,847,754, 7-11-89, Cl. 364-200.000.

Obermeier, Ernst: *See—*
  Schmidt, Helmut; Hutter, Frank; Haas, Karl-Heinz; Obermeier, Ernst; Steger, Ulrich; Endres, Hanns-Erik; and Drost, Stephan, 4,878,015, Cl. 324-71.500.

Obermeier, Hans. High-frequency welding installation. 4,822,447, 4-18-89, Cl. 156-538.000.

Obermeier, Manfred; and Herrmann, Erhard, to Kabelmetal Electro GmbH. Method for manufacturing and marking cable. 4,880,484, 11-14-89, Cl. 156-51.000.

Obermeier, Rainer, to Hoechst Aktiengesellschaft. Process for the isolation and purification of alpha-interferons. 4,845,032, 7-4-89, Cl. 435-68.000.

Obermeyer, Henry K. Hydromotive machine apparatus and method of constructing the same. 4,804,855, 2-14-89, Cl. 290-54.000.

Obermeyer, Mark W., to Northern Telecom Limited. Leg assembly for a keyboard or the like. 4,856,748, 8-15-89, Cl. 248-688.000.

Obermuller, Herbert J., to Katec Betz GmbH & Co. Process for controlled afterburning of a process exhaust gas containing oxidizable substances. 4,820,500, 4-11-89, Cl. 423-210.000.

Obermuller, Herbert J., to Katec Betz GmbH & Co. Apparatus for the combustion of oxidizable substances suspended in a carrier gas. 4,850,857, 7-25-89, Cl. 431-242.000.

Obernik, Hartwin: *See—*
  Seeboth, Arno; Gloede, Joerg; Koswig, Hans-Dieter; Ladwig, Horst; Obernik, Hartwin; and Seeboth, Helmuth, 4,842,375, Cl. 350-339.00R.

Oberoi, Bhushan K., to Redline Roof Tiles Limited. Collation assemblies. 4,867,626, 9-19-89, Cl. 414-793.700.

Oberpichler, Gerd: *See—*
  Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, 4,811,631, Cl. 74-762.000.

Obersberger, Martin: *See—*
  Allgauer, Hans; Kremnitz, Harald; and Obersberger, Martin, 4,821,797, Cl. 165-141.000.

Oberschmidt, James M.: *See—*
  Arnold, Allen J.; Bariether, Michael E.; Chiang, Shin-Wu; Dalal, Hormazdyar M.; Miller, Robert A.; Montegari, Frank A.; Oberschmidt, James M.; and Shen, David T., 4,831,494, Cl. 361-306.000.
  Galvagni, John; Oberschmidt, James M.; and Humenik, James N., 4,862,318, Cl. 361-321.000.
  Horstmann, Richard E.; and Oberschmidt, James M., 4,814,940, Cl. 361-309.000.

Oberst, Jeffrey P.: *See—*
  Gilmore, Charles B.; Kisak, James L.; Oberst, Jeffrey P.; Wood, John D.; and Baloh, Frank J., 4,803,042, Cl. 376-272.000.

Oberste-Padtberg, Rudiger; Perthuis, Herve; Parcevaux, Philippe; and Peulet, Sylvie, to Dowell Schlumberger Incorporated. Process for plugging subterranean formations. 4,838,352, 6-13-89, Cl. 166-291.000.

Obersteiner, Georg: *See—*
  Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich; and Guse, Hans-Albrecht, 4,807,945, Cl. 303-114.000.

Oberstrass, Detlev, to Barmag AG. Friction yarn false twisting apparatus. 4,803,915, 2-14-89, Cl. 92-110.000.

Oberth, Adolf E.; and Rothenstein, Julius, to United States of America, Air Force. Cure catalyst for polyurethanes. 4,871,854, 10-3-89, Cl. 546-7.000.

Oberth, Hans: *See—*
  Prevedel, Kurt; Wunsche, Peter; and Oberth, Hans, 4,813,387, Cl. 123-73.00B.

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Obiedkov, Viktor A.: *See—*
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Oakland, Dennis N., 4,883,436, Cl. 441-65.000.

O'Brien, James A., II. Security hinge with improved structural integ with the electrical wires located along the pivot axis of the knuckle 4,839,939, 6-20-89, Cl. 16-223.000.

O'Brien, Jay P.: *See—*

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O'Brien, John K., to Colorgen, Inc. Remote color measurement device 4,881,811, 11-21-89, Cl. 356-323.000.

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George, Paul L.; Waxman, David M.; Sybel, Randall T.; Medoc Elliot H.; O'Brien, Kevin J.; and Spatara, Joseph M., 4,888,6 Cl. 364-300.000.

O'Brien, Mary C.: *See—*

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O'Brien, Michael J.; Palazzolo, Francis V.; and Polachowski, Wayne T Material storage and delivery system. 4,815,914, 3-28-89, C 414-276.000.

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O'Brien, Philip T. Fluid-heating solar collector. 4,867,134, 9-19-89, C 126-449.000.

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O'Brien, Steven T.; Kakuk, Jay J.; and Beachy, Robert W., to Th Company, The. Light fixture. 4,814,961, 3-21-89, Cl. 362-319.00

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O'Brien, Timothy P. Removable outboard motor bracket for a boa swim platform. 4,824,067, 4-25-89, Cl. 248-642.000.

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Bonanomi, Jacques, 4,860,471, Cl. 40-450.000.

Obuchi, Fukashi, Ruriko Obuchi, legal representatives: *See—*

Maekawa, Junichi; Ugawa, Satoru; and Obuchi, Satoshi, deceas 4,823,512, Cl. 49-352.000.

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O'Callaghan, Gary L.; Haddock, Levi, Jr.; and Cox, John D., to Amoco Corporation. Cell alignment frame assembly. 4,863,596, 9-5-89, Cl. 210-230.000.

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Occelli, Mario, to Union Oil Company of California. Hydrocarbon conversion processes using delaminated clay catalysts. 4,844,790, 7-4-89, Cl. 208-46.000.

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Garbassi, Fabio; Occhiello, Ernesto; and Malatesta, Vincenzo, 4,826,755, Cl. 430-322.000.

Occidental Chemical Corporation: *See—*

Campbell, Donald H.; and Evarts, Gerald L., 4,889,773, Cl. 428-552.000.

Dannels, Bobby F.; Fifolt, Michael J.; and Tang, David Y., 4,808,760, Cl. 570-139.000.

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Delphin, Rene; and Regnaut, Bernard, 4,839,114, Cl. 264-40.400.

DeWald, Raymond C.; and Hong, Paul O., 4,853,446, Cl. 526-205.000.

Hong, Paul O.; and De Wald, Raymond C., 4,855,424, Cl. 544-35.000.

Kem, Kenneth M., 4,818,774, Cl. 521-31.000.

Kem, Kenneth M., 4,836,956, Cl. 252-631.000.

Kubiak, Kenneth F., 4,885,417, Cl. 570-211.000.

Kulpa, Charles F.; and Johnston, Michael G., 4,803,166, Cl. 435-253.300.

Lee, Chung J., 4,829,131, Cl. 525-426.000.

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Maul, James J.; Dannels, Bobby F.; and Tang, David Y., 4,801,763, Cl. 570-177.000.

Miller, George T., 4,873,153, Cl. 428-659.000.

Molinaro, John R.; Pawlak, Joseph A.; and Schwartz, Willis T., 4,870,194, Cl. 549-241.000.

Mundhenke, Rudolph F., 4,810,742, Cl. 524-411.000.

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Nowak, Deanne M.; and Lin, Henry C., 4,876,387, Cl. 562-493.000.

Ore, Fernando; and Richards, Thomas E., 4,853,201, Cl. 423-320.000.

O'Reilly, Neil J.; and Lin, Henry C., 4,874,876, Cl. 549-49.000.

Peterson, John A., 4,798,712, Cl. 423-315.000.

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Schwartz, Willis T., 4,827,000, Cl. 549-243.000.

Schwartz, Willis T., Jr., 4,868,316, Cl. 549-241.000.

Walker, Leigh E., 4,806,581, Cl. 524-178.000.

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Schramm, Charles M.; Lane, Robert H.; and Dines, Martin B., deceased, 4,853,358, Cl. 502-167.000.

OCE-Nederland B.V.: *See—*

Berkers, Jacobus A. P., 4,856,870, Cl. 350-252.000.

Berkhout, Ronald; Van Stiphout, Johannes G. V.; Corver, Jozef A. W. M.; Hoep, Antoon L.; and Knapen, Berend J., 4,884,188, Cl. 346-160.100.

Cox, Jan J. F. M.; and Ensing, Hendrik, 4,800,337, Cl. 324-455.000.

Derks, Paul A. H., 4,887,093, Cl. 346-75.000.

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Groeneveld, Marinus; and Draisma, Gerardus G., 4,826,746, Cl. 430-31.000.

Hendriks, Johannes S.; Koeleman, Gerardus A. J.; and Seelen, Franciscus J. H., 4,830,353, Cl. 271-117.000.

In 't Zandt, Hubertus W. G.; and Broeren, Martinus H. J. L. M., 4,869,707, Cl. 474-115.000.

Jacobs, Gerardus M. H. M.; and Im 't Zandt, Ronald P. H., 4,795,071, Cl. 227-7.000.

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Joosten, Louis G. J.; and Stemkens, Matheas T. M., 4,868,675, Cl. 358-296.000.

Klein Meuleman, Peter; and La Vos, Peter G., 4,860,035, Cl. 346-157.000.

Notermans, Ronald M. W.; Verheist, Paulus W. E.; Lapoutre, Charles; and Kessels, Hendricus W. H. M., 4,843,571, Cl. 364-519.000.

Oosterholt, Ron H. T., 4,868,766, Cl. 364-522.000.

Reinten, Hans, 4,839,672, Cl. 346-160.000.

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Robert, Rob W., 4,887,228, Cl. 364-521.000.

Simons, Johannes M. M.; and Michels, Caspar P. M., 4,859,962, Cl. 330-260.000.

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Stienstra, Jan B., 4,848,231, Cl. 101-490.000.

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ter Horst, Gerhardus E. R., 4,804,174, Cl. 271-207.000.

van Dorsselaer, Etienne L. M. E., 4,796,094, Cl. 358-283.000.

Wijnberg, Hans; and Hoeve, Wolter T., 4,814,477, Cl. 658-86.000.

Ocean Cable Co., Ltd.: *See—*

Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl. 350-96.230.

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Hollis, Robert; Lewis, John E.; and Ackerman, Marvin, 4,882,678, Cl. 364-413.310.

Ochab, Douglas C. Weight lifting safety device. 4,799,674, 1-24-89, Cl. 272-123.000.

Ocheda, Daniel D.: *See—*

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Ochel, Klaus-Peter; Krupp, Joachim; Heger, Josef; and Schweitzer, Martin, to EC Erdolchemie GmbH, and Bayer Aktiengesellschaft. Device for feeding gases into combustion chambers and process for diminishing pollutants during combustion operations. 4,856,985, 8-15-89, Cl. 431-202.000.

Ochem, Dominique: *See—*

Giroux, Pierre; Ochem, Dominique; and Durand, Jean-Claude, 4,882,093, Cl. 252-632.000.

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Ocheskey, Glen D. Tube dispenser. 4,805,805, 2-21-89, Cl. 222-102.000.

Ochi, Atsuo; Kobayashi, Masaaki; Takeuchi, Akihiro; and Yamanishi, Kazuhiro, to Matsushita Electric Industrial Co., Ltd. Video signal recording/reproducing apparatus. 4,864,424, 9-5-89, Cl. 358-328.000.

Ochi, Atsuo: *See—*

Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.

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Ochi, Hisashi: *See—*

Takami, Tetuji; Tsubota, Hiroyki; and Ochi, Hisashi, 4,888,289, Cl. 435-15.000.

Ochi, Hisayuki: *See—*

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Takemoto, Fumio; Kunishige, Tuneo; and Ochi, Mitsutoshi, 4,812,361, Cl. 428-397.000.

Ochi, Mitsuzo: *See—*

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Ochi, Tadafumi: *See—*

Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

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Ochiai, Chiaki, to Aisin Seiki Kabushiki Kaisha. Master cylinder. 4,858,437, 8-22-89, Cl. 60-562.000.

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Tsubouchi, Kaoru; and Ochiai, Chiaki, 4,807,438, Cl. 60-585.000.

Ochiai, Hajime; and Morihara, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Information transmission system for railway vehicles. 4,878,049, 10-31-89, Cl. 371-5.500.

Ochiai, Hideo; Ohno, Kiyoshi; Iwao, Eiichi; and Mori, Hideo, to Honda Giken Kogyo Kabushiki Kaisha. Body cover and trunk structure for a motor scooter. 4,800,980, 1-31-89, Cl. 180-225.000.

Ochiai, Hiromichi: *See—*

Kitazume, Kiyoshi; Nakamura, Yasuharu; Ochiai, Hiromichi; and Nozaki, Hisashi, 4,885,185, Cl. 426-598.000.

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Kato, Yasuo; Ochiai, Isao; Watanabe, Yoshio; and Murayama, Seiichi, 4,841,556, Cl. 378-119.000.

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Kurosawa, Hiroshi; and Ochiai, Izumi, 4,860,021, Cl. 343-840.000.

Ochiai, Katsumi, to Fuji Jukogyo Kabushiki Kaisha. Drive system for driving valves and an auxiliary machine of an automotive engine. 4,841,789, 6-27-89, Cl. 74-15.630.

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Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, 4,886,714, Cl. 428-694.000.

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  Ichiryu, Ken; Kanai, Takashi; Ochiai, Masami; Nozawa, Yuusaku; and Kato, Hideyo, 4,813,447, Cl. 137-486.000.
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Ochiai, Michihiko: *See*—
  Kishimoto, Shoji; Matsuo, Taisuke; and Ochiai, Michihiko, 4,822,788, Cl. 514-210.000.

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Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, 4,852,982, Cl. 350-413.000.
Oda, Masaru: *See—*
Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
Oda, Masashi: *See—*
Kanai, Seita; Edahiro, Takeshi; Sato, Yoshihiro; and Oda, Masashi, 4,810,004, Cl. 280-690.000.
Oda, Masataka: *See—*
Hara, Kazuyoshi; and Oda, Masataka, 4,876,578, Cl. 355-315.000.
Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, to Mitsubishi Chemical Industries Limited. Pyridinecarboxamide derivatives and their use as fungicide. 4,840,959, 6-20-89, Cl. 514-355.000.
Oda, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Signal detection apparatus. 4,815,108, 3-21-89, Cl. 375-102.000.
Oda, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Correlation time-difference detector. 4,823,293, 4-18-89, Cl. 364-604.000.
Oda, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Apochromat type objective lenses. 4,854,686, 8-8-89, Cl. 350-456.000.
Oda, Minoru: *See—*
Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.
Oda, Mitsuyuki: *See—*
Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, 4,885,032, Cl. 75-251.000.
Oda, Naoki: *See—*
Kato, Isamu; Yuhda, Sadayuki; Oda, Naoki; and Suganuma, Masahiro, 4,822,567, Cl. 420-95.000.
Oda, Nobutaka: *See—*
Ichihara, Takeo; Futami, Takashi; Oda, Nobutaka; and Watanabe, Shuichi, 4,825,344, Cl. 362-80.000.
Oda, Noriyuki; Takehara, Tetsuo; and Enamito, Satoshi, to Asahi Glass Company Ltd. Filter unit, and apparatus for treating particulates in an exhaust gas from a diesel engine. 4,833,883, 5-30-89, Cl. 60-311.000.
Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, to Asahi Glass Company Ltd. Joint structure for a tube support plate and a tube. 4,838,581, 6-13-89, Cl. 285-47.000.
Oda, Noriyuki; Higashi, Katsumi; and Maeno, Hiroshi, to Asahi Glass Company, Ltd. Supporting structure for ceramic tubes in a gas system. 4;867,769, 9-19-89, Cl. 55-302.000.
Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, to Asahi Glass Company, Ltd. Joint structure for a tube support plate and a tube. 4,875,712, 10-24-89, Cl. 285-47.000.
Oda, Noriyuki: *See—*
Arai, Yoshimasa; Enamito, Satoshi; and Oda, Noriyuki, 4,875,335, Cl. 60-274.000.
Oda, Omasu; and Amano, Toshio, to Sony Corporation. Television on channel selecting apparatus with sequential selection of auxiliary signal source. 4,888,819, 12-19-89, Cl. 358-192.100.
Oda, Osamu, to Dainippon Screen Mfg. Co. Ltd. Method and apparatus for multi-color printing. 4,854,232, 8-8-89, Cl. 101-211.000.
Oda, Osamu: *See—*
Hakamada, Kunio; Hanamura, Shizuo; Oda, Osamu; and Amano, Toshio, 4,845,564, Cl. 358-183.000.
Ichikawa, Norihito; Oda, Osamu; Amano, Toshio; and Someya, Ikuo, 4,821,102, Cl. 358-183.000.
Ichikawa, Norihito; Someya, Ikeo; Oda, Osamu; and Amano, Toshio, 4,841,367, Cl. 358-181.000.

Oda, Shohei; Seshimoto, Osamu; Sueyoshi, Tohru; and Ama
Hiroyuki, to Fuji Photo Film Co., Ltd. Chemical sensor devic
field effect transistor. 4,877,582, 10-31-89, Cl. 422-68.000.
Oda, Shunri: *See—*
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isa
4,798,167, Cl. 118-723.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shun
and Shimizu, Isamu, 4,801,468, Cl. 427-35.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isa
4,803,093, Cl. 427-35.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shun
and Shimizu, Isamu, 4,818,563, Cl. 427-55.000.
Ishihara, Shunichi; Osada, Yoshiyuki; Oda, Shunri; and Shimi
Isamu, 4,849,249, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shun
and Shimizu, Isamu, 4,853,251, Cl. 427-38.000.
Oda, Takashi; and Yamashita, Masayoshi, to NEC Corporation. Da
terminal. 4,806,906, 2-21-89, Cl. 340-311.100.
Oda, Takashi: *See—*
Mori, Toshihiro; Oda, Takashi; and Ohyagi, Takashi, 4,857,911, C
340-825.440.
Yoshizawa, Shigeo; Ohyagi, Takashi; Oda, Takashi; and Mo
Toshihiro, 4,855,731, Cl. 340-825.440.
Oda, Tatsuharu: *See—*
Arata, Yoshiaki; and Oda, Tatsuharu, 4,828,357, Cl. 350-174.0
Oda, Taturou: *See—*
Ozu, Tokio; Oda, Taturou; Takamatsu, Seietsu; and Ogawa, Ak
4,835,350, Cl. 200-50.00A.
Ozu, Tokio; Oda, Taturou; and Ogawa, Akira, 4,867,711, C
439-833.000.
Oda, Toshiaki, to NEC Corporation. Cordless telephone syste
4,805,203, 2-14-89, Cl. 379-61.000.
Oda, Toshiaki, to NEC Corporation. Cordless telephone syste
4,809,315, 2-28-89, Cl. 379-58.000.
Oda, Toshikazu: *See—*
Tanaka, Tomeo; and Oda, Toshikazu, 4,857,677, Cl. 200-5.00
Oda, Yasukage; and Asami, Hiroshi, to Oda, Yasukage; and Sumito
Heavy Industries, Ltd. Cold reserving apparatus. 4,827,737, 5-
Cl. 62-51.300.
Oda, Yasukage; and Asami, Hiroshi, to Yasukage Oda; and Sumito
Heavy Industries, Ltd. Temperature testing device provided w
sample-receiving chamber from which a specimen is easily deta
able and in which temperature is controllable. 4,831,845, 5-23-89, C
62-51.100.
Oda, Yasuyoshi, to Shin Nihon Chemical Industry Co., Ltd. Method
producing a magnesia powder for use as an electrical insula
material. 4,879,101, 11-7-89, Cl. 423-163.000.
Oda, Yoshiaki: *See—*
Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Y
shiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,30
341-94.000.
Oda, Yukio; and Kitayama, Mikito, to Showa Denko Kabushiki Kais
Unsaturated polyester resin composition having less coloration a
excellent transparency. 4,829,103, 5-9-89, Cl. 523-220.000.
Odagawa, Atsuo: *See—*
Umezawa, Hamao; Umezawa, Kazuo; Odagawa, Atsuo; Kawa
Shiro; and Nakajima, Shohachi, 4,855,414, Cl. 536-6.400.
Odagawa, Kazuyoshi: *See—*
Kanazawa, Manabu; and Odagawa, Kazuyoshi, 4,801,27
439-153.000.
Odagawa, Yoshimoto; Yanagisawa, Yasushi; and Imaizumi, Hiraku
TDK Corporation. Magnetic tilt sensor. 4,803,426, 2-7-89, C
324-207.000.
Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mi
Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, K
shi, to TDK Corporation. Tilt sensor having central first bott
surface and second contiguous bottom surface at an angle ther
4,866,379, 9-12-89, Cl. 324-207.000.
Odagawa, Yoshimoto; and Yanagisawa, Yasushi, to TDK Corporat
Magnetic tilt sensor with permanent magnet surrounding magn
sensing element. 4,885,535, 12-5-89, Cl. 324-207.000.
Odagiri, Akiharu; and Setoyama, Michinobu, to Tokico Ltd. Air co
pressor having control means to select a continuous or intermit
operation mode. 4,863,355, 9-5-89, Cl. 417-12.000.
Odagiri, Masaru: *See—*
Kurokawa, Hideo; Mitani, Tsutomu; Odagiri, Masaru; and Ta
zawa, Taketoshi, 4,833,031, Cl. 428-336.000.
Odagiri, Shiro: *See—*
Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yam
Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.0
Odagiri, Yuichi, to NEC Corporation. Optical transmission appara
4,884,279, 11-28-89, Cl. 372-29.000.
Odahara, Kazuhiro: *See—*
Isozumi, Shuzo; Odahara, Kazuhiro; and Tanaka, Toshi
4,808,836, Cl. 290-48.000.
Odaira, Yasuyuki: *See—*
Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Kazu
Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Ino
Shigetoshi, 4,863,552, Cl. 156-583.100.
Odajima, Chuya, to Diesel Kiki Co., Ltd. Method of controlling the
type air conditioning system. 4,828,168, 5-9-89, Cl. 236-49.50
Odaka, Hiroshi; and Kishida, Tsuyoshi, to Idemitsu Petrochemical C
Ltd. Hermetically sealed package and method of producing the sa
4,858,780, 8-22-89, Cl. 220-359.000.

Odaka, Kentaro; Fukami, Tadashi; and Ozaki, Shinya, to Sony Corporation. Apparatus for reproducing a digital signal. 4,875,111, 10-17-89, Cl. 360-64.000.
Odaka, Kentaro: *See—*
Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,799,221, Cl. 371-38.000.
Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,802,172, Cl. 371-38.000.
Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,812,924, Cl. 360-32.000.
Fukami, Tadashi; and Odaka, Kentaro, 4,866,636, Cl. 364-514.000.
Ozaki, Shinya; Fukami, Tadashi; and Odaka, Kentaro, 4,837,640, Cl. 360-27.000.
Yamada, Makoto; and Odaka, Kentaro, 4,853,797, Cl. 360-32.000.
Odaka, Makoto: *See—*
Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.
Odaka, Masanori: *See—*
Ikeda, Takahide; Watanabe, Atsuo; Mukai, Touji; Odaka, Masanori; and Ogiue, Katsumi, 4,799,098, Cl. 357-43.000.
Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, 4,829,479, Cl. 365-189.090.
Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, 4,858,189, Cl. 365-203.000.
Odaka, Seiichi: *See—*
Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
Odaka, Teruaki; Ishiyama, Kunio; and Noguchi, Shoichi, to Hitachi, Ltd. Supply having a load invariant auxiliary power supply supplied from a main transformer and a current suppressing inductor. 4,866,590, 9-12-89, Cl. 363-49.000.
Odaka, Teruaki: *See—*
Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka, Teruaki; and Matsuda, Yasuo, 4,866,589, Cl. 363-21.000.
Odani, Hiroshi: *See—*
Kawashima, Masatoshi; Takechi, Makoto; and Odani, Hiroshi, 4,862,068, Cl. 324-73.00R.
Odani, Noboru: *See—*
Nagai, Ryo; Yoshimitu, Kazumi; Kajita, Kozo; and Odani, Noboru, 4,808,499, Cl. 429-218.000.
Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, to Sumitomo Electric Industries, Ltd. Aluminum alloy and method for producing the same. 4,818,308, 4-4-89, Cl. 148-437.000.
Odani, Yusuke: *See—*
Itoh, Yoshiaki; Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,830,820, Cl. 419-23.000.
O'Daniel, John D. Beverage cooler apparatus. 4,815,287, 3-28-89, Cl. 62-430.000.
Odashima, Hitoshi: *See—*
Hiramatsu, Hiromichi; Odashima, Hitoshi; Hirayama, Kuniaki; and Ohji, Toshio, 4,882,833, Cl. 29-596.000.
Odate, Makoto: *See—*
Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; Kawazura, Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, 4,839,376, Cl. 514-406.000.
Odate, Ryoji; and Haga, Tomoyuki, to Shiseido Company Ltd. Resin composition having nacreous gloss. 4,847,323, 7-11-89, Cl. 525-71.000.
Odate, Seizi: *See—*
Katagiri, Shingo; Odate, Seizi; and Onmori, Shozo, 4,862,305, Cl. 360-132.000.
Odawara Engineering Company Limited: *See—*
Tsugawa, Takayuki, 4,826,092, Cl. 242-7.05B.
Odawara, Hiroyuki: *See—*
Seiya, Yuji; and Odawara, Hiroyuki, 4,859,533, Cl. 428-366.000.
Odawara Industry Co., Ltd.: *See—*
Odawara, Kunimitsu, 4,796,422, Cl. 57-299.000.
Odawara, Kazuharu; Yamaguchi, Ryoji; and Inage, Nobuo, to Kabushiki Kaisha Toshiba. Information memory medium. 4,827,468, 5-2-89, Cl. 369-271.000.
Odawara, Kazuharu; and Inage, Nobuo, to Kabushiki Kaisha Toshiba. Information memory medium. 4,827,470, 5-2-89, Cl. 369-282.000.
Odawara, Kazuharu; and Kashiwagi, Hidesato, to Kabushiki Kaisha Toshiba. Information processing apparatus. 4,866,693, 9-12-89, Cl. 369-75.200.
Odawara, Kazuharu: *See—*
Yamaguchi, Ryoji; Odawara, Kazuharu; and Inage, Nobuo, 4,866,697, Cl. 369-290.000.
Odawara, Kazuhiro: *See—*
Isozumi, Shuzoo; and Odawara, Kazuhiro, 4,800,766, Cl. 74-7.00E.
Isozumi, Shuzoo; Odawara, Kazuhiro; and Tanaka, Toshinori, 4,868,442, Cl. 310-239.000.
Odawara, Kunimitsu, to Odawara Industry Co., Ltd. Apparatus for treating tail yarn in textile spindle assembly. 4,796,422, 1-10-89, Cl. 57-299.000.
Odawara, Yoji: *See—*
Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, 4,861,383, Cl. 127-67.000.
O'Day, David L.: *See—*
Fleming, Paul D.; and O'Day, David L., 4,876,866, Cl. 70-379.00R.

Oddo, Eugene P.: *See—*
Jackson, Richard W.; and Oddo, Eugene P., 4,819,930, Cl. 271-209.000.
Jackson, Richard W.; Oddo, Eugene P.; and Songer, Larry A., 4,828,248, Cl. 271-310.000.
Oddsen, Robert R.: *See—*
Gwathmey, Owen M.; Sloane, Thomas E., Jr.; and Oddsen, Robert R., 4,809,695, Cl. 128-334.00R.
O'Dea, James O.: *See—*
Perini, Richard L.; and O'Dea, James O., 4,832,141, Cl. 177-141.000.
O'Dea, Kevin J., to Pitney Bowes Inc. Envelope flap moistener. 4,873,941, 10-17-89, Cl. 118-669.000.
O'Dean, Raymond D.: *See—*
Gilder, Thomas G., Jr.; and O'Dean, Raymond D., 4,820,658, Cl. 437-209.000.
Odeco, Inc.: *See—*
Petty, Terry D.; and Chabot, Luc G., 4,850,744, Cl. 405-224.000.
Odegaard, Danny E. Cover deployment apparatus. 4,834,445, 5-30-89, Cl. 296-98.000.
Odegaard, Larry G.: *See—*
Kreuter, Paul E.; and Odegaard, Larry G., 4,794,847, Cl. 92-136.000.
Odell, Daniel M. C., to Du Pont de Nemours, E. I., and Company. Motor control arrangement. 4,827,196, 5-2-89, Cl. 318-254.000.
O'Dell, Douglas. Sheath for pivotable knives. 4,848,000, 7-18-89, Cl. 30-158.000.
O'Dell, Mark A. Top and bottom bed-sheeting combination. 4,802,251, 2-7-89, Cl. 5-502.000.
Odelstam, Carl T., to Sandvik AB. Cylinder for heat exchangers. 4,858,682, 8-22-89, Cl. 165-84.000.
Odemar, Norbert: *See—*
Kunze, Dieter; Odemar, Norbert; and Schramm, Josef, 4,824,203, Cl. 350-96.210.
Odemer, Michael: *See—*
Steijger, Wilfridus; Odemer, Michael; Schweingruber, Otto; and Cimbal, Jochen, 4,848,171, Cl. 74-42.000.
Odemer, Walter, to Walter Odemer Co., Inc. Handle assembly for removable auto electronic equipment. 4,881,295, 11-21-89, Cl. 16-114.00R.
Odemer, Walter, to Walter Odemer Co., Inc. Quick release minimum profile shuttle for vehicle radios and tape players. 4,881,910, 11-21-89, Cl. 439-476.000.
Oden, Robert R.: *See—*
Purnell, Mark L.; Oden, Robert R.; McCune, William L.; and Berkeley, Michael E., 4,883,048, Cl. 128-92.0VD.
Oden, Virginia V.: *See—*
Oden, Willie B.; and Oden, Virginia V., 4,866,805, Cl. 15-104.920.
Oden, Willie B.; and Oden, Virginia V. Shoe sole cleaner. 4,866,805, 9-19-89, Cl. 15-104.920.
Odenberg, Richard: *See—*
Honorof, Frank D.; and Odenberg, Richard, 4,797,773, Cl. 361-58.000.
Odenbrand, Ingemar; Brandin, Jan; Andersson, Lars; and Lundin, Sten, to Eka Nobel AB. Process for purifying flue gases from nitrogen oxides. 4,847,058, 7-11-89, Cl. 423-239.000.
Odenheimer, Ronald P., to Tektronix, Inc. Concurrent memory access system. 4,818,932, 4-4-89, Cl. 324-121.00R.
Odenheimer, Ronald P., to Tektronix, Inc. Timing measurement for jitter display. 4,887,279, 12-12-89, Cl. 375-10.000.
Odenkirchen, Horst; and Lodwig, Klaus, to Gebr. Eickhoff Maschinenfabrik u. Eisengiesserei mbH. Electric transformer for underground mining machine. 4,796,143, 1-3-89, Cl. 361-37.000.
Odensten, Magnus G.; and Gillquist, Jan I. Drill guiding and aligning device. 4,823,780, 4-25-89, Cl. 128-92.0VD.
Odenthal, Conrad J., to Tektronix, Inc. Multiple beam electron discharge tube having bipotential acceleration and convergence electrode structure. 4,853,601, 8-1-89, Cl. 315-368.000.
Odenthal, Karl P.: *See—*
Grimminger, Wolf; Gorler, Klaus; and Odenthal, Karl P., 4,855,422, Cl. 540-466.000.
Odenwald-Chemie GmbH: *See—*
Stoll, Werner; and Weiss, Edgar, 4,805,724, Cl. 181-290.000.
Odenwalder, Heinrich: *See—*
Kunitz, Friedrich-Wilhelm; Ohlschlager, Hans; Odenwalder, Heinrich; and Hubner, Dirk, 4,833,070, Cl. 430-505.000.
Matejec, Reinhart; Becker, Manfred; Odenwalder, Heinrich; and Metz, Hans-Joerg, 4,820,616, Cl. 430-543.000.
Ohlschlager, Hans; Renner, Gunter; Kunitz, Friedrich-Wilhelm; Odenwalder, Heinrich; and Hubner, Dirk, 4,840,880, Cl. 430-505.000.
Oder, Robin R., to Exportech Company, Inc. Preparation of coal substitute of low ash and sulfur. 4,830,634, 5-16-89, Cl. 44-51.000.
Odera, Motoyasu: *See—*
Takeuchi, Keiji; Nishino, Takashi; Odera, Motoyasu; Shimogaki, Hisao; and Negi, Tahee, 4,797,362, Cl. 435-221.000.
Oderbolz, Fredi: *See—*
Zollinger, Hans; and Oderbolz, Fredi, 4,852,618, Cl. 139-453.000.
Odesskoe Spetsialnoe Konstruktorskoe Bjuro Spetsialnykh Stankov: *See—*
Barab-Tarle, Matus E.; Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Soifer, Romen D.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,804,914, Cl. 324-226.000.
Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Barab-Tarle, Matus E.; Gamarnik, Iosif I.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,829,397, Cl. 361-149.000.

Odet, Philippe; and Agati, Jean P., to Astra Plastique. Cap for container initially closed by a frangible lid. 4,795,043, 1-3-89, Cl. 215-235.000.

Odet, Philippe, to Astra Plastique. Metering pouring stopper for container with threaded neck and lateral handle. 4,830,234, 5-16-89, Cl. 222-465.100.

Odet, Philippe: *See—*
  Perne, Raymond; and Odet, Philippe, 4,805,807, Cl. 222-153.000.

Odetics, Inc.: *See—*
  Bartholet, Stephen J., 4,808,064, Cl. 414-730.000.
  Blum, Victor, 4,888,654, Cl. 360-74.100.
  Crabtree, Timothy L.; Fairchild, Robert G.; and Lindquist, Charles, 4,846,619, Cl. 414-273.000.
  Mersing, Roger L., 4,839,959, Cl. 29-603.000.

Odham, Carl J., to Asheboro Elastics, Corp. Apparatus for deknitting elastic yarns. 4,870,839, 10-3-89, Cl. 66-125.00A.

Odhner, Hugo V. Board game method of play. 4,881,740, 11-21-89, Cl. 273-248.000.

Odier, Etienne: *See—*
  Buswell, John A.; and Odier, Etienne, 4,889,807, Cl. 435-192.000.

Odijk, Eddy A. M.: *See—*
  Van Twist, Robert A. H.; Hopmans, Franciscus P. M.; and Odijk, Eddy A. M., 4,875,207, Cl. 370-85.120.

ODL, Incorporated: *See—*
  DeBlock, David A.; and Artwick, Kert E., 4,872,498, Cl. 160-90.000.
  DeBlock, David A.; and Artwick, Kert E., 4,884,376, Cl. 52-90.000.
  Mulder, Lawrence, 4,796,400, Cl. 52-200.000.

Odlund, Bjorn A. I. Unit, attachable to a loader. 4,806,067, 2-21-89, Cl. 414-734.000.

Odohira, Tetsu: *See—*
  Hirata, Terutaka; Odohira, Tetsu; and Nishikawa, Tadashi, 4,800,759, Cl. 73-708.000.

Odom, Douglas M.: *See—*
  Ipcinski, Ralph G.; and Odom, Douglas M., 4,818,827, Cl. 200-5.00A.

Odoni, Walter; and Boesch, Richard, to Hilti Aktiengesellschaft. Motor-driven hand tool with braking torque device. 4,871,033, 10-3-89, Cl. 173-12.000.

O'Donnell & Associates, Inc.: *See—*
  Porowski, Jan S.; Badlani, Manu L.; Hampton, Edward J.; and O'Donnell, William J., 4,817,441, Cl. 73-863.120.
  Porowski, Jan S.; Badlani, Manu L.; O'Donnell, William J.; and Hampton, Edward J., 4,842,655, Cl. 148-130.000.

O'Donnell, Ciaran. Virtual memory image controller for multi-windowing. 4,815,010, 3-21-89, Cl. 364-521.000.

O'Donnell, Jerry L.; and Bopp, Cecil W., to For You, Inc. Exercise device. 4,852,873, 8-1-89, Cl. 272-137.000.

O'Donnell, John: *See—*
  Colwell, Robert P.; O'Donnell, John; Papworth, David B.; and Rodman, Paul K., 4,833,599, Cl. 364-200.000.

O'Donnell, Matthew; and Magrane, Mark G., to General Electric Company. Method and apparatus for fully digital beam formation in a phased array coherent imaging system. 4,809,184, 2-28-89, Cl. 364-413.250.

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  Damler, Hans-Ulrich; Haas, Ruediger; Loeffler, Gerhard; and Liebers, Lutz, 4,807,995, Cl. 356-240.000.

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  Akutsu, Kenzo; and Shiraishi, Takashi, 4,865,448, Cl. 356-241.000.

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  Venables, Anne; Regard, Dominique; and Laruelle, Gerard, 4,821,962, Cl. 239-265.150.
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Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, 4,874,780, Cl. 514-452.000.

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Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.

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Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, 4,844,469, Cl. 273-186.00R.

Ogawa, Kouzi: *See—*

Kitaura, Kazuhiko; Ugawa, Satoru; and Ogawa, Kouzi, 4,819,381, Cl. 49-493.000.

Ogawa, Kunihiko; and Noguchi, Yoshio, to Kuraray Company Ltd. Separable fastener component & moldings attached with such fastener component. 4,842,916, 6-27-89, Cl. 428-100.000.

Ogawa, Kyosuke: *See—*

Hirooka, Masaaki; Ogawa, Kyosuke; Ishihara, Shunichi; and Shimizu, Isamu, 4,835,005, Cl. 427-38.000.

Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,299, Cl. 430-65.000.

Honda, Mitsuru; Sueda, Tetsuo; Murai, Keiichi; and Ogawa, Kyosuke, 4,797,327, Cl. 428-600.000.

Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,797,336, Cl. 430-57.000.

Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,798,776, Cl. 430-39.000.

Honda, Mitsuru; Koike, Atsushi; Ogawa, Kyosuke; and Murai, Keiichi, 4,808,504, Cl. 430-31.000.

Honda, Mitsuru; Murai, Keiichi; Ogawa, Kyosuke; and Koike, Atsushi, 4,834,501, Cl. 350-321.000.

Matsumoto, Yasuyuki; Murai, Keiichi; Fukuda, Tadaji; and Ogawa, Kyosuke, 4,876,185, Cl. 430-580.000.

Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.

Ogawa, Masaharu: *See—*

Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.

Nakatsu, Keiji; Kamitsu, Katsuaki; and Ogawa, Masaharu, 4,887,254, Cl. 369-33.000.

Ogawa, Masahiko; Kashida, Meguru; and Isobe, Kenichi, to Shin-Etsu Chemical Co., Ltd. Curable organopolysiloxane composition. 4,849,491, 7-18-89, Cl. 528-15.000.

Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, to Bridgestone Corporation. Rubber compositions and pneumatic tires using the same. 4,801,641, 1-31-89, Cl. 524-426.000.

Ogawa, Masaki; and Fujiwara, Nobuyoshi, to Sherwood Medical Company. Splittable cannula. 4,865,593, 9-12-89, Cl. 604-264.000.

Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, to Bridgestone Corporation. Rubber compositions and pneumatic tires using the same. 4,886,850, 12-12-89, Cl. 524-413.000.

Ogawa, Masaki: *See—*

Ohata, Keiichi; Hida, Hikaru; and Ogawa, Masaki, 4,839,703, Cl. 357-22.000.

Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.

Ogawa, Masami, to Canon Kabushiki Kaisha. Image forming method and apparatus. 4,855,789, 8-8-89, Cl. 355-26.000.

Ogawa, Masanobu; and Ohno, Iwao, to Diesel Kiki Co., Ltd. Fuel injection valve. 4,826,086, 5-2-89, Cl. 239-533.500.

Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, to Bridgestone Corporation; and Seiko Electronic Components Ltd. Electric cell comprising a polymeric material film electrode having a collection integrated therewith. 4,824,745, 4-25-89, Cl. 429-213.000.

Ogawa, Masao; Ito, Noboru; and Yamamura, Yukio, to Okamura & Co. Needle thread tensioning device for a swing machine. 4,856,443, 8-15-89, Cl. 112-241.000.

Ogawa, Masao, to Brother Kogyo Kabushiki Kaisha. Needle thread tension control system with differential clamping. 4,869,186, 9-26-89, Cl. 112-255.000.

Ogawa, Masao; and Sasaki, Toshio, to Brother Kogyo Kabushiki Kaisha. Needle thread tension control including separate stopping and adjustable pre-tension devices. 4,886,004, 12-12-89, Cl. 112-254.000.

Ogawa, Masao: *See—*

Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.

Ogawa, Masashi, to Fuji Photo Film Co. Ltd. Medium for electrophoresis. 4,806,434, 2-21-89, Cl. 428-474.400.

Ogawa, Masashi: *See—*

Sugihara, Mitsuru; and Ogawa, Masashi, 4,844,786, Cl. 204-299.00R.

Ogawa, Masazumi, to Fuji Photo Film Co., Ltd. Method and apparatus for automatically loading flexible tape-like recording medium. 4,864,710, 9-12-89, Cl. 29-429.000.

Ogawa, Minoru; Sakamoto, Koichiro; Tamura, Toshiyuki; and Katsuumi, Kazushige, to Tokyo Electric Co., Ltd. Photoelectric conversion element image sensor with combined field effect transistor having compact size. 4,827,146, 5-2-89, Cl. 250-578.000.

Ogawa, Mototsugu: *See—*

Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.

Ogawa, Noboru: *See—*

Sugiura, Akira; Sawanishi, Shigeru; and Ogawa, Noboru, 4,818,458, Cl. 264-182.000.

Ogawa, Ryota; Toji, Shigeo; Yoshida, Kazushi; and Okura, Zenichi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Autofocus camera. 4,890,133, 12-26-89, Cl. 354-402.000.

Ogawa, Ryota: *See—*

Shindo, Osamu; and Ogawa, Ryota, 4,808,806, Cl. 250-201.000.

Ogawa, Ryuichi: *See—*

Arai, Masashi; and Ogawa, Ryuichi, 4,870,684, Cl. 381-7.000.

Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864,637, Cl. 455-205.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852,167, Cl. 381-13.000.

Ogawa, Satoru: *See—*

Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, Cl. 427-98.000.

Ogawa, Satoshi; Fujikawa, Masanori; and Watanabe, Masakazu, to Sumitomo Electric Industries, Ltd. Apparatus for inserting optical fibers into a spacer having spiral grooves. 4,833,871, 5-30-89, Cl. 57-6.000.

Ogawa, Seiichi: *See—*

Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,802,202, Cl. 379-67.000.

Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,817,133, Cl. 379-199.000.

Ogawa, Seiya: *See—*

Takahashi, Jun; Fukushima, Shigeru; Narumi, Toshikatu; Itoh, Ken-ich; and Ogawa, Seiya, 4,822,634, Cl. 427-48.000.

Ogawa, Shigeki; and Tsukada, Eiichi, to Nippon Telegraph and Telephone Corporation. Stepping motor, method of driving the same and drive circuit therefor. 4,803,389, 2-7-89, Cl. 310-49.00R.

Ogawa, Shigeki: *See—*

Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.

Ogawa, Shigeru: *See—*

Miyoshi, Motosuke; Okumura, Katsuya; and Ogawa, Shigeru, 4,800,268, Cl. 250-234.000.

Ogawa, Shinji; Iguchi, Seiya; Kimura, Hiroshi; and Ohmori, Yoh, to Mitsui Toatsu Chemicals, Inc. Process for concentration of an aqueous solution of amino acid. 4,837,371, 6-6-89, Cl. 548-497.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, to Panafacom Limited. Display control apparatus employing bit map method. 4,837,564, 6-6-89, Cl. 340-750.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, to Panafacom Limited. Display data transfer control apparatus applicable for display unit. 4,849,747, 7-18-89, Cl. 340-735.000.

Ogawa, Shinji; Kajikawa, Yoshiharu; Kuroyanagi, Isao; Baba, Norimasa; and Ohara, Toshio, to Nippondenso Co., Ltd. Vapor pressure-adjusting valve and refrigeration system using same. 4,870,834, 10-3-89, Cl. 62-197.000.

Ogawa, Shinji: *See—*

Tsuchiya, Haruhiko; Yamamoto, Hiroshi; Ogawa, Shinji; and Kyoe, Shinji, 4,801,930, Cl. 340-703.000.

Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe, Osamu, 4,821,531, Cl. 62-515.000.

Ogawa, Shinya: *See—*

Adachi, Nobuo; and Ogawa, Shinya, 4,885,604, Cl. 355-30.000.

Ogawa, Shunichi: *See—*

Kato, Shingo; Ogawa, Shunichi; Yumoto, Makoto; and Suzuki, Kazuhiro, 4,846,595, Cl. 400-320.000.

Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Ogawa, Shusaku: *See—*

Yamamoto, Haruo; and Ogawa, Shusaku, 4,839,695, Cl. 355-218.000.

Yamamoto, Haruo; Yamane, Masamitsu; and Ogawa, Shusaku, 4,851,876, Cl. 355-323.000.

Ogawa, Soichi; Okamoto, Akio; Fukui, Shigeo; and Ueno, Tsutomu, to Osaka Prefecture; and Cryovac Corporation. Ion source. 4,869,835, 9-26-89, Cl. 250-423.00R.

Ogawa, Soichiro; and Sano, Toshihiko, to Hitachi, Ltd. Fluorescent lamp arrangement for uniformly illuminating a display panel. 4,803,399, 2-7-89, Cl. 313-493.000.

Ogawa, Souichi; Sugioka, Takao; and Inoue, Masaru, to Osaka Prefecture; and Koatsu Gas Kogyo Co., Ltd. Superconductor for magnetic field shielding. 4,828,931, 5-9-89, Cl. 428-596.000.

Ogawa, Tadashi; Takahashi, Koji; and Taguchi, Seiichi, to Fuji Photo Film Co., Ltd. Multilayer silver halide color photographic materials. 4,806,460, 2-21-89, Cl. 430-504.000.

Ogawa, Tadashi, to Fuji Photo Film Co., Ltd. Silver halide emulsions comprising grains with (100) surfaces having conjugated (110) surface crystals thereon and method for the preparation thereof. 4,818,674, 4-4-89, Cl. 430-567.000.

Ogawa, Tadashi; and Takahashi, Osamu, to Fuji Photo Film Co., Ltd. Silver halide color photographic photosensitive materials. 4,857,449, 8-15-89, Cl. 430-546.000.

Ogawa, Tadashi: *See—*

Fuchizawa, Tetsuro; Sano, Masaru; Taguchi, Seiichi; Shiba, Keisuke; and Ogawa, Tadashi, 4,851,327, Cl. 430-503.000.

Hirose, Takeshi; Ogawa, Tadashi; and Furutachi, Nobuo, 4,857,444, Cl. 430-505.000.

Ikeda, Tadashi; Ogawa, Tadashi; and Okazaki, Masaki, 4,822,726, Cl. 430-550.000.

Ikeda, Tadashi; and Ogawa, Tadashi, 4,837,140, Cl. 430-550.000.

Takahashi, Osamu; Ogawa, Tadashi; Sakai, Minoru; and Toriuchi, Masaharu, 4,797,349, Cl. 430-372.000.

Ogawa, Takahira: *See—*

Fukuda, Hideo; Ogawa, Takahira; and Fujii, Takao, 4,863,862, Cl. 435-166.000.

Ogawa, Takahiro: *See—*

Ogata, Kazumi; Ogawa, Takahiro; and Sakaue, Takahiro, 4,888,329, Cl. 514-100.000.

Yamamoto, Yujiro; Ogawa, Takahiro; and Kuribayashi, Yoshikazu, 4,826,879, Cl. 514-657.000.

Ogawa, Takashi: *See—*

Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.

Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.

Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,88[illegible]225, Cl. 428-405.000.

Katoh, Yoshihisa; Ogawa, Takashi; and Hasegawa, Mitsumasa, 4,839,488, Cl. 219-69.180.

Katoh, Yoshihisa; Ogawa, Takashi; Nagao, Yukihiko; and Hasegawa, Mitsumasa, 4,863,617, Cl. 210-788.000.

Nakano, Jiro; and Ogawa, Takashi, 4,806,845, Cl. 324-57.00N.

Wakamori, Takehisa; Ogawa, Takashi; Ito, Ryoji; and Shimanaka, Chikafumi, 4,872,257, Cl. 29-701.000.

Ogawa, Takuji: *See—*

Shiraishi, Kazuhisa; Nakagoshi, Kazuo; and Ogawa, Takuji, 4,881,136, Cl. 360-25.000.

Ogawa, Tatsuo: *See—*

Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, 4,864,259, Cl. 333-189.000.

Ogawa, Tetsuji; and Kato, Masao, to Hitachi, Ltd. Priority control architecture for input/output operation. 4,858,108, 8-15-89, Cl. 364-200.000.

Ogawa, Tetsuo: *See—*

Tatsuzawa, Kaichi; Abe, Takao; and Ogawa, Tetsuo, 4,802,032, Cl. 360-77.130.

Ogawa, Tetsuya: *See—*

Goto, Yasuyuki; Sugimori, Shigeru; and Ogawa, Tetsuya, 4,797,228, Cl. 252-299.630.

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,816,180, Cl. 252-299.630.

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,820,443, Cl. 252-299.630.

Goto, Yasuyuki; and Ogawa, Tetsuya, 4,839,091, Cl. 252-299.630.

Goto, Yasuyuki; Ogawa, Tetsuya; and Sugimori, Shigeru, 4,855,076, Cl. 252-299.630.

Sugimori, Shigeru; Goto, Yasuyuki; and Ogawa, Tetsuya, 4,816,179, Cl. 252-299.630.

Yoshida, Naoyuki; Kitano, Kisei; and Ogawa, Tetsuya, 4,874,546, Cl. 252-299.610.

Ogawa, Tomohisa: *See—*

Matsui, Kenji; Numata, Toshi; Ueda, Yukinori; Ogawa, Tomohisa; and Ito, Kiyoshi, 4,821,015, Cl. 338-175.000.

Ogawa, Tomoya: *See—*

Fujita, Shuji; Yoshimura, Shoji; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,880,572, Cl. 260-404.000.

Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukishige; Kirihata, Yoshiko; and Ogawa, Tomoya, 4,885,358, Cl. 530-3[illegible]7.000.

Yoshimura, Shoji; Tani, Yoichiro; Matsuzaki, Youz[illegible]; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,797,477, Cl. 536-18.500.

Ogawa, Toru, to Namco, Ltd. Image display apparatus. 4,857,905, 8-15-89, Cl. 340-748.000.

Ogawa, Toru: *See—*

Murakami, Hirohiko; Ogawa, Toru; and Fukuda, Kousaku, 4,885,147, Cl. 423-261.000.

Ogawa, Toshiaki; Fujiwara, Nobuo; Kawai, Kenji; Shibano, Teruo; Morita, Hiroshi; and Nishioka, Kyusaku, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor wafer treating apparatus utilizing a plasma. 4,877,509, 10-31-89, Cl. 204-298.000.

Ogawa, Toshiaki: *See—*

Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, 4,803,276, Cl. 546-121.000.

Ogawa, Toshimitsu; and Kudo, Shinichi, to Nissan Motor Co., Ltd.; and Tohatsu Corporation. Remote control apparatus. 4,801,282, 1-31-89, Cl. 440-84.000.

Ogawa, Toshio; and Ando, Akira, to Murata Manufacturing Co., Ltd. Magnetic head driving apparatus. 4,805,057, 2-14-89, Cl. 360-109.000.

Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, to Hitachi, Ltd. Electrically conductive paste, electronic circuit component and method for producing same. 4,873,022, 10-10-89, Cl. 428-209.000.

Ogawa, Toshio; Nishiyama, Hisashi; Katakura, Kageyoshi; and Ishikawa, Shizuo, to Hitachi Medical Corporation. Ultrasonic doppler meter. 4,884,448, 12-5-89, Cl. 73-597.000.

Ogawa, Toshio: *See—*
- Ishikawa, Shizuo; Katakura, Kageyoshi; and Ogawa, Toshio, 4,809,703, Cl. 128-661.080.
- Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.

Ogawa, Tsutomu, to Fujitsu Limited. Vacuum chuck apparatus for wet processing wafers. 4,858,975, 8-22-89, Cl. 294-64.100.

Ogawa, Tsutomu: *See—*
- Kaneta, Hiroshi; Ogawa, Tsutomu; Mori, Haruhisa; and Wada, Kunihiko, 4,803,884, Cl. 73-598.000.

Ogawa, Yasuaki: *See—*
- Hamaguchi, Naoru; Iga, Katsumi; and Ogawa, Yasuaki, 4,844,904, Cl. 474-450.000.
- Iga, Katsumi; Hamaguchi, Naoru; and Ogawa, Yasuaki, 4,877,561, Cl. 264-4.300.
- Yamamoto, Masaki; Okada, Hiroaki; Ogawa, Yasuaki; and Miyagawa, Tsutomu, 4,849,228, Cl. 424-457.000.

Ogawa, Yasuhisa: *See—*
- Abe, Akira; Kishimoto, Shinzo; and Ogawa, Yasuhisa, 4,822,725, Cl. 430-393.000.

Ogawa, Yasumasa: *See—*
- Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
- Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.

Ogawa, Yasunori: *See—*
- Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.

Ogawa, Yasuo; Noji, Nobuharu; and Koike, Keiji, to Technology Research Association of Super Heat Pump Energy Accumulation System. Heat pump system. 4,843,837, 7-4-89, Cl. 62-324.100.

Ogawa, Yasuo: *See—*
- Watanabe, Ichiro; Ogawa, Yasuo; and Seki, Susumu, 4,851,342, Cl. 435-129.000.

Ogawa, Yo: *See—*
- Ando, Katsutoshi; and Ogawa, Yo, 4,874,659, Cl. 428-221.000.

Ogawa, Yoshihiro: *See—*
- Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, 4,871,649, Cl. 430-270.000.
- Yokoi, Hiroshi; Ogawa, Yoshihiro; and Imai, Hideyuki, 4,806,437, Cl. 428-623.000.

Ogawa, Yoshihisa, to Data Card Corporation. Print head assembly. 4,860,028, 8-22-89, Cl. 346-76.0PH.

Ogawa, Yoshio: *See—*
- Kakiuchi, Tsutomu; Mori, Akinari; and Ogawa, Yoshio, 4,829,571, Cl. 381-25.000.

Ogawa, Yoshitake; Takeuchi, Akira; and Mizutani, Hisataka, to Brother Kogyo Kabushiki Kaisha. Sewing machine with an ultrasonic heater for folding back sewn edges. 4,823,713, 4-25-89, Cl. 112-217.000.

Ogawa, Youichi: *See—*
- Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
- Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.

Ogawa, Yukio: *See—*
- Hara, Akikuni; and Ogawa, Yukio, 4,802,470, Cl. 128-24.100.
- Miyawaki, Makoto; Ogawa, Yukio; Kodaira, Takanori; and Hirohata, Michio, 4,811,060, Cl. 350-255.000.
- Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, 4,881,005, Cl. 313-422.000.

Ogawara, Hiroshi: *See—*
- Ito, Noriki; Ogawara, Hiroshi; and Watanabe, Shunichi, 4,841,077, Cl. 549-402.000.

Ogawara, Hisashi: *See—*
- Michizuki, Akira; Sato, Yoshio; Ogawara, Hisashi; and Yamashita, Syuzo, 4,808,313, Cl. 210-500.280.

Ogawara, Kensuke: *See—*
- Sato, Masatoshi; Ogawara, Kensuke; and Emura, Noriaki, 4,883,702, Cl. 428-141.000.

Ogden Environmental Services, Inc.: *See—*
- Johanson, Niles W.; Saeger, James C.; and White, Mark L., 4,883,115, Cl. 165-1.000.

Ogden, Gary J.: *See—*
- Roberts, Randy D.; Carter, Rodney A.; and Ogden, Gary J., 4,825,716, Cl. 74-5.340.

Ogden Industries Pty., Ltd.: *See—*
- Dunphy, Gerald F.; and Best, Lance E., 4,854,620, Cl. 292-337.000.

Ogden, John E.: *See—*
- Larkin, Mark E.; and Ogden, John E., 4,840,621, Cl. 604-29.000.

Ogden, Julius S.: *See—*
- Alexander, Carl A.; Ogden, Julius S.; and Severance, Richard A., 4,845,364, Cl. 250-423.00R.

Ogden, Stanley D.; and Dixon, William C., to Doxtech, Inc. Tamper resistant, tamper evident leak proof container. 4,813,563, 3-21-89, Cl. 215-253.000.

Ogden, Stanley D.; and Dixon, William C., to Doxtech, Inc. Tamper resistant, tamper evident leak proof container. 4,871,077, 10-3-89, Cl. 215-366.000.

Ogden, Thomas R., to United States of America, Navy. Anodic coating with enhanced thermal conductivity. 4,822,458, 4-18-89, Cl. 204-58.000.

OGEE Alsthom: *See—*
- Heng, Jean-Paul; Bidal, Jean-Claude; and Curvat, Rene, 4,846,722, Cl. 439-439.000.

O'Genski, Richard K.: *See—*
- Cappelletto, George C.; and O'Genski, Richard K., 4,836,739, Cl. 414-678.000.

Oget, Christian, to Cimsa Sintra. Method and device for the transmission of digital data by messages organized in frames. 4,803,685, 2-7-89, Cl. 371-33.000.

Ogi, Keiji; and Tosaka, Yasuo, to Konishiroku Photo Industry Co., Ltd. Direct positive type light-sensitive silver halide photographic materials. 4,863,838, 9-5-89, Cl. 430-378.000.

Ogi, Keiji; Kamitakahara, Atsushi; Sakamoto, Eiichi; and Isozaki, Nariko, to Konica Corporation. Direct positive silver halide light-sensitive photographic material. 4,868,102, 9-19-89, Cl. 430-598.000.

Ogi, Keiji: *See—*
- Kamitakahara, Atushi; and Ogi, Keiji, 4,840,879, Cl. 430-406.000.

Ogi, Yoshinori: *See—*
- Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.

Ogihara, Masahiro: *See—*
- Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.

Ogihara, Masaki, to Kabushiki Kaisha Toshiba. Method and apparatus for selecting disconnecting first and second bit line pairs for sensing data output from a drain at a high speed. 4,829,483, 5-9-89, Cl. 365-190.000.

Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, to Seikosha Co., Ltd. Motor-driven shutter for camera. 4,881,096, 11-14-89, Cl. 354-400.000.

Ogihara, Satoru: *See—*
- Shinohara, Hiroichi; Suzuki, Hideo; and Ogihara, Satoru, 4,858,077, Cl. 361-414.000.
- Takeda, Yukio; and Ogihara, Satoru, 4,796,077, Cl. 357-67.000.
- Ushifusa, Nobuyuki; Shinohara, Hiroichi; Nagayama, Kousei; Ogihara, Satoru; and Soga, Tasao, 4,821,142, Cl. 361-395.000.

Ogihara, Sumio: *See—*
- Chigami, Makoto; Ogihara, Sumio; Hoaki, Hiroshi; Kondo, Tomonobu; and Okamura, Masao, 4,840,823, Cl. 428-35.500.

Ogihara, Yoshiyuki: *See—*
- Hara, Junichiro; Ogihara, Yoshiyuki; and Takahashi, Hideo, 4,875,624, Cl. 236-49.500.

Ogilvie, Clarence R.: *See—*
- Oakland, Steven F.; and Ogilvie, Clarence R., 4,868,413, Cl. 307-243.000.

Ogilvie, David P., to Signaid Limited. Sign. 4,870,769, 10-3-89, Cl. 40-564.000.

Ogilvie, Frank R.: *See—*
- Ogilvie, James W.; and Ogilvie, Frank R., 4,856,385, Cl. 81-57.390.

Ogilvie, James W.; and Ogilvie, Frank R., to Reagents of the University of Minnesota. Squeeze motion to rotary motion tilt head driver. 4,856,385, 8-15-89, Cl. 81-57.390.

Ogilvie, Kelvin K., to Syntex (U.S.A.) Inc. Anti-viral N-substituted pyrimidines. 4,868,187, 9-19-89, Cl. 514-269.000.

Ogilvie Mills, Inc.: *See—*
- Morris, Charles; and Bateson, George, 4,800,097, Cl. 426-632.000.

Ogilvie, Scott A.: *See—*
- Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.

Ogilvy, Andrew: *See—*
- Leatham, Alan; and Ogilvy, Andrew, 4,804,034, Cl. 164-46.000.

Ogino, Akihiko: *See—*
- Fukahori, Yoshihide; Kojima, Hiromu; and Ogino, Akihiko, 4,830,927, Cl. 428-495.000.

Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, to Kao Corporation. Water-soluble viscosity increasing agent and detergent composition containing the same. 4,803,010, 2-7-89, Cl. 252-174.210.

Ogino, Hidekazu: *See—*
- Hirota, Hajime; Ogino, Hidekazu; Igarashi, Sahoko; and Sotoya, Kohshiro, 4,876,034, Cl. 252-546.000.
- Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, 4,846,991, Cl. 252-89.100.

Ogino, Keizo: *See—*
- Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.

Ogino, Kinji, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. System for controlling motor vehicle brakes. 4,802,713, 2-7-89, Cl. 303-119.000.

Ogino, Kinji, to Akebono Brake Industry Co., Ltd.; and Akebono Research & Development Centre Ltd. Brake control system for a motor vehicle. 4,807,943, 2-28-89, Cl. 303-113.000.

Ogino, Kouji: *See—*
- Aizu, Yoshihisa; Ogino, Kouji; and Sugita, Toshiaki, 4,848,897, Cl. 351-221.000.

Ogino, Masanori; Amemiya, Yoshio; Okino, Michiko; and Washi, Kazuro, to Hitachi, Ltd. Vertical deflection circuit. 4,810,940, 3-7-89, Cl. 315-389.000.

Ogino, Mineo; and Ohnishi, Masazumi, to Toyota Jidosha Kabushiki Kaisha. Method of manufacturing corrugate tube and molding apparatus thereof. 4,821,551, 4-18-89, Cl. 72-302.000.

Ogino, Seiichi, to Mitsuba Electric Manufacturing Co., Ltd. Automatic door lock control device on vehicle. 4,870,409, 9-26-89, Cl. 340-825.180.

Ogino, Seiichi: *See—*
- Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.
- Mochizuki, Wataru; Ogino, Seiichi; and Takano, Hirohiko, 4,857,812, Cl. 318-15.000.

Ogino, Shigeo; Nakatani, Keiji; and Murata, Tomoji, to Minolta Camera Kabushiki Kaisha. Charge eraser for an electrophotographic copier. 4,864,364, 9-5-89, Cl. 355-202.000.

Ogino, Shigeru; Hirata, Noritsugu; and Ushiro, Tatsuzo, to Canon Kabushiki Kaisha. Brushless motor. 4,801,830, 1-31-89, Cl. 310-68.00B.

Ogino, Shuji: *See—*
- Nakamura, Akiyoshi; Ando, Makoto; Ogino, Shuji; and Taniguchi, Nobuyuki, 4,837,594, Cl. 354-402.000.
- Tokumaru, Hisashi; and Ogino, Shuji, 4,846,562, Cl. 350-426.000.

Ogino, Takao; Miyazaki, Tadaaki; Kawagoe, Takahiro; and Yoshio, Masaki, to Bridgestone Corporation. Nonaqueous electrolyte cell. 4,863,817, 9-5-89, Cl. 429-194.000.

Ogino, Takao: *See—*
- Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
- Miyazaki, Tadaaki; Ogino, Takao; Masuda, Yoshitomo; and Kawagoe, Takahiro, 4,803,137, Cl. 429-194.000.
- Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000

Ogino, Takehiko: *See—*
- Katoh, You; Ogino, Takehiko; and Totsuka, Naoko, 4,849,239, Cl. 426-549.000.

Ogino, Takeshi: *See—*
- Akiyama, Toshiyuki; Ozawa, Naoki; Ogino, Takeshi; and Takahashi, Kenji, 4,805,025, Cl. 358-213.260.

Ogino, Yoshitaka; and Tanioka, Hiroshi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,821,334, 4-11-89, Cl. 382-50.000.

Ogino, Yoshitaka: *See—*
- Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,800,482, Cl. 364-140.000.
- Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,882,778, Cl. 364-187.000.
- Yamakawa, Tadashi; Shimada, Kazutoshi; and Ogino, Yoshitaka, 4,811,052, Cl. 355-14.00C.

Ogio International, Inc.: *See—*
- Pratt, Michael J., 4,809,366, Cl. 2-170.000.
- Pratt, Michael J., 4,817,802, Cl. 206-579.000.

Ogiri, Tadakazu: *See—*
- Ishiguro, Yasuyuki; and Ogiri, Tadakazu, 4,806,981, Cl. 355-15.000.
- Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi; and Yamashita, Yuji, 4,860,056, Cl. 355-298.000.

Ogirima, Masahiko: *See—*
- Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
- Nakazato, Kazuo; Nakamura, Tohru; Miyazaki, Takao; Natsuaki, Nobuyoshi; Ogirima, Masahiko; and Nagata, Minoru, 4,819,055, Cl. 357-59.000.

Ogiro, Kenji: *See—*
- Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, 4,862,300, Cl. 360-85.000.
- Nagai, Kyuichiro; Kaku, Nobuyuki; and Ogiro, Kenji, 4,837,646, Cl. 360-85.000.

Ogishima, Tetsuo: *See—*
- Kohama, Mitsuyoshi; and Ogishima, Tetsuo, 4,818,012, Cl. 296-78.100.

Ogiso, Masao, to Canon Kabushiki Kaisha. Dual screen document processing system. 4,802,104, 1-31-89, Cl. 364-518.000.

Ogiso, Takasi; Monma, Yoshiyuki; and Aono, Toshiaki, to Fuji Photo Film Co., Ltd. Image forming apparatus. 4,857,961, 8-15-89, Cl. 355-27.000.

Ogiso, Taro, to Maraho Co., Ltd. Percutaneous absorption preparation. 4,873,081, 10-10-89, Cl. 424-81.000.

Ogisu, Yasuhiko: *See—*
- Manabe, Katsuhide; Ogisu, Yasuhiko; Goto, Kazuaki; and Toya, Hisao, 4,836,901, Cl. 204-164.000.

Ogita, Akira: *See—*
- Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, 4,796,054, Cl. 355-8.000.

Ogita, Hiromitsu: *See—*
- Takahashi, Fumio; and Ogita, Hiromitsu, 4,795,999, Cl. 346-76.0PH.

Ogita, Hiroshi: *See—*
- Kono, Yoichiro; Kumagai, Yasuaki; Takeda, Nobuaki; and Ogita, Hiroshi, 4,881,959, Cl. 55-267.000.

Ogita, Kazuyoshi: *See—*
- Katsuragi, Hifumi; Fujio, Yoshihiko; and Ogita, Kazuyoshi, 4,815,588, Cl. 198-781.000.

Ogiu, Hisao, to Olympus Optical Co., Ltd. Endoscope. 4,879,991, 11-14-89, Cl. 128-6.000.

Ogiu, Hisao, to Olympus Optical Co., Ltd. Endoscope system and method of unifying picture images in an endoscope system. 4,890,159, 12-26-89, Cl. 358-98.000.

Ogiu, Hisao: *See—*
- Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.

Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, to Hitachi, Ltd. Semiconductor integrated circuit. 4,858,189, 8-15-89, Cl. 365-203.000.

Ogiue, Katsumi: *See—*
- Ikeda, Takahide; Watanabe, Atsuo; Mukai, Touji; Odaka, Masanori; and Ogiue, Katsumi, 4,799,098, Cl. 357-43.000.
- Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
- Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.

Ogiwara, Akira: *See—*
- Kamon, Yoshiyuki; Ogiwara, Akira; and Nageno, Koji, 4,874,316, Cl. 439-39.000.

Ogiwara, Kenzyu: *See—*
- Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.

Ogiwara, Nagao, to Fuji Photo Film Co., Ltd. Image recorder with a back-up roller pressing the nip roller into engagement. 4,827,284, 5-2-89, Cl. 346-25.000.

Ogiwara, Nagao; and Nagumo, Akihiko, to Fuji Photo Film Co., Ltd. Image recording apparatus. 4,827,312, 5-2-89, Cl. 355-27.000.

Ogiwara, Satoshi; Ichikawa, Izumi; Imano, Haruo; and Miura, Genmei, to Canon Kabushiki Kaisha. Light communication apparatus with tracking ability. 4,864,651, 9-5-89, Cl. 455-617.000.

Ogiyama, Hiromi, to Ricoh Company, Ltd. Developing apparatus for image recorder. 4,851,874, 7-25-89, Cl. 355-253.000.

Ogle, George B., II, to IMS Limited. Orthopedic splint arrangement. 4,813,406, 3-21-89, Cl. 128-87.00A.

Ogle, George B., II, to IMS, Limited. Protected cannula. 4,834,716, 5-30-89, Cl. 604-192.000.

Ogle, George B., II, to International Medication Systems Limited. Package for toxic and dangerous drugs. 4,869,384, 9-26-89, Cl. 215-247.000.

Ogle, John; and Yin, Gerald Z., to Lam Research Corporation. Split-phase driver for plasma etch system. 4,871,421, 10-3-89, Cl. 156-643.000.

Ogleby, John W.; and Charkley, Neville J., to Laporte Industries Limited. Process for monitoring the quantity of dimethyl hydantoin. 4,882,285, 11-21-89, Cl. 436-98.000.

Oglesby, Donald L., to Dayco Products, Inc. Method and apparatus for making a plurality of flexible hoses each having a preformed bend therein. 4,854,846, 8-8-89, Cl. 425-391.000.

Oglesby, Gary; and Andrus, Bryan, to Bally Manufacturing Corporation. Diagnostic testing system for an exercie machine. 4,840,372, 6-20-89, Cl. 272-72.000.

Oglesby, Verdun W.: *See—*
- DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Neal, Louis R.; Oglesby, Verdun W.; and Woodard, Robert W., 4,829,846, Cl. 74-547.000.

Ogletree, Martin L., to E. R. Squibb & Sons, Inc. Method of preventing or treating toxemia in pregnancy using a thromboxane A_2 receptor antagonist. 4,808,627, 2-28-89, Cl. 514-469.000.

Ogletree, Martin L., to E. R. Squibb & Sons, Inc. Method of inhibiting onset of or treating migraine headache using a thromboxane A2 receptor antagonist. 4,839,384, 6-13-89, Cl. 514-277.000.

Oglevee, James R.; and Oglevee, Kirk A., to OCS, Inc. Plant oriented control system based upon vapor pressure deficit data. 4,856,227, 8-15-89, Cl. 47-17.000.

Oglevee, James R.; and Oglevee, Kirk A., to OCS, Inc. Plant oriented control system based upon vapor pressure deficit data. 4,858,377, 8-22-89, Cl. 47-17.000.

Oglevee, Kirk A.: *See—*
- Oglevee, James R.; and Oglevee, Kirk A., 4,856,227, Cl. 47-17.000.
- Oglevee. James R.; and Oglevee, Kirk A., 4,858,377, Cl. 47-17.000.

Ogoe, Samuel A.; and Ho, Thoi H., to Dow Chemical Company, The. Ignition resistant modified carbonate polymer composition. 4,826,900, 5-2-89, Cl. 524-126.000.

Ogoe, Samuel A.: *See—*

Laughner, Michael K.; and Ogoe, Samuel A., 4,837,258, Cl. 524-168.000.

Ogontz Controls Company: *See—*

Pirkel, Fred L., 4,878,512, Cl. 137-62.000.

Ogose, Shigeaki: *See—*

Daikoku, Kazuhiro; and Ogose, Shigeaki, 4,803,739, Cl. 455-47.000.

Ogoshi, Kunizho: *See—*

Murata, Yasushi; Ogoshi, Kunizho; and Matsui, Fumio, 4,836,890, Cl. 156-73.100.

Ogoshi, Kunizoh: *See—*

Murata, Yasushi; Ogoshi, Kunizoh; and Matsui, Fumio, 4,871,404, Cl. 156-73.100.

Ogou, Sunoo; Ishii, Shigemichi; Tagomori, Sadaaki; Fukushima, Takuo; and Hayashida, Yasumasa, to Asahi Denka Kogyo Kabushiki Kaisha. Waterstop for concrete form separator. 4,889,312, 12-26-89, Cl. 249-216.000.

O'Grady, Hedwig: *See—*

Deckner, George E.; and O'Grady, Hedwig, 4,863,725, Cl. 424-81.000.

O'Grady, Richard M.: *See—*

Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,841,755, Cl. 70-208.000.

Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,850,209, Cl. 70-208.000.

O'Grady, Thomas R., to United Technologies Automotive, Inc. Electrical connector with secondary wedge lock. 4,810,205, 3-7-89, Cl. 439-350.000.

Ogren, David A. Collection and reporting system for medical appliances. 4,817,044, 3-28-89, Cl. 364-550.000.

Ogren, Warren. Resin-based chewing tobacco. 4,802,498, 2-7-89, Cl. 131-359.000.

Ogris, Gottfried, to Britax-Kolb GmbH & Co. Sensing and locking device for a safety belt system. 4,858,847, 8-22-89, Cl. 242-107.40B.

Ogrodski, Albert V., to Rockwell International Corporation. Monolithic random digital noise generator. 4,799,259, 1-17-89, Cl. 380-46.000.

O'Groske, Rolland D.: *See—*

Erickson, James W.; Jeche, Merlyn W.; O'Groske, Rolland D.; and Richter, Gerald L., 4,815,982, Cl. 439-173.000.

Oguara, Mitsugi; Horiguchi, Fumio; and Watanabe, Shigeyoshi, to Kabushiki Kaisha Toshiba. Semiconductor device. 4,831,433, 5-16-89, Cl. 357-68.000.

Oguchi, Tatsuki: *See—*

Matsuura, Junichi; Oguchi, Tatsuki; and Okada, Munehisa, 4,818,255, Cl. 55-16.000.

Oguchi, Tetsuji, to NEC Corporation. Information processing apparatus having a mask function. 4,870,563, 9-26-89, Cl. 364-200.000.

Oguchi, Tetsuji, to NEC Corporation. Multiplication circuit capable of operating at a high speed with a small amount of hardware. 4,878,191, 10-31-89, Cl. 364-759.000.

Oguchi, Yoshiharu: *See—*

Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.

Oguchi, Yoshihiro: *See—*

Miura, Kyo; Sugata, Hiroyuki; Oguchi, Yoshihiro; and Yoshino, Hitoshi, 4,871,601, Cl. 428-64.000.

Oguchi, Yukiko: *See—*

Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, 4,874,760, Cl. 514-234.200.

Oguchi, Yuzo: *See—*

Komatsu, Fumito; Oguchi, Yuzo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,802,040, Cl. 360-78.040.

Oguino, Masanori; Yamada, Takeo; and Kimoto, Toshiyuki, to Hitachi, Ltd. Convergence circuit. 4,814,671, 3-21-89, Cl. 315-368.000.

Oguma, Masayuki: *See—*

Komiyama, Noboru; Oguma, Masayuki; and Miyamoto, Noriko, 4,804,412, Cl. 106-35.000.

Oguma, Reiji: *See—*

Hayashi, Kenrou; Oguma, Reiji; and Tamura, Masayuki, 4,888,142, Cl. 264-65.000.

Oguma, Shigeru: *See—*

Yoshizawa, Yoshihito; Yamauchi, Kiyotaka; and Oguma, Shigeru, 4,881,[illegible]89, Cl. 148-302.000.

Ogunbiyi, Lai; Smith, Francis X.; and Riedhammer, Thomas M., to Bausch & Lomb Incorporated. Disinfecting and preserving systems and methods of use. 4,836,986, 6-6-89, Cl. 422-28.000.

Oguni, Masanori: *See—*

Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horiba, Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, Cl. 423-412.000.

Ogunro, E. Olayinka. Device to foster cosmetically pleasing healing of nail bed tissue. 4,819,623, 4-11-89, Cl. 128-87.00A.

Ogura Art Printing Co., Ltd.: *See—*

Ogura, Yoshiharu, 4,887,764, Cl. 229-102.000.

Ogura, Hiroo: *See—*

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Ogura, Jayme H.: *See—*

Rodrigues, Renato S.; and Ogura, Jayme H., 4,877,088, Cl. 166-342.000.

Ogura, Ken: *See—*

Yanagawa, Moriyuki; Ishida, Shunichi; Ogura, Ken; and Sato, Yushi, 4,877,496, Cl. 204-44.200.

Ogura, Kiyoshi: *See—*

Kondo, Masatsune; Ogura, Kiyoshi; and Kuramoto, Koji, 4,877,833, Cl. 525-64.000.

Ogura, Kohji; and Ogawa, Kasumi, to NGK Spark Plug Co., Ltd. Towed piezoelectric cable. 4,876,675, 10-24-89, Cl. 367-155.000.

Ogura, Kohji: *See—*

Ohya, Kanji; and Ogura, Kohji, 4,869,111, Cl. 73-811.000.

Ogura, Koji: *See—*

Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi; and Yamamoto, Takashi, 4,874,727, Cl. 501-134.000.

Ogura, Kuniaki: *See—*

Kawano, Masaki; Ogura, Kuniaki; Abe, Teruyoshi; and Takajo, Shigeaki, 4,804,409, Cl. 75-246.000.

Ogura, Masaaki, to Ricoh Company, Ltd. Digital copier with a facsimile function. 4,860,115, 8-22-89, Cl. 358-443.000.

Ogura, Masaaki, to Ricoh Company, Ltd. Digital copier with a facsimile function. 4,876,609, 10-24-89, Cl. 358-443.000.

Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Mount for a steering gear box. 4,823,898, 4-25-89, Cl. 180-140.000.

Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Mount for steering gear box. 4,828,063, 5-9-89, Cl. 180-140.000.

Ogura, Masami: *See—*

Kajiwara, Hajime; Ogura, Masami; and Sano, Shoichi, 4,858,950, Cl. 280-719.000.

Sano, Shoichi; Furukawa, Yoshimi; Ogura, Masami; Abe, Masaru; and Oyama, Yasuharu, 4,881,748, Cl. 280-91.000.

Yamatoh, Kouhei; Ogura, Masami; Kanbe, Katunori; and Isogai, Yuji, 4,854,424, Cl. 188-72.100.

Yamatoh, Kouhei; and Ogura, Masami, 4,860,859, Cl. 188-72.100.

Ogura, Mitsugi; and Masuoka, Fujio, to Kabushiki Kaisha Toshiba. Method for manufacturing dynamic memory cell. 4,798,794, 1-17-89, Cl. 437-41.000.

Ogura, Mitsugi: *See—*

Horiguchi, Fumio; Itoh, Yasuo; Ogura, Mitsugi; and Momodomi, Masaki, 4,799,193, Cl. 365-149.000.

Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, 4,800,530, Cl. 365-159.000.

Momodomi, Masaki; Ogura, Mitsugi; and Kumanomido, Takaki, 4,881,113, Cl. 357-51.000.

Ogura, Mitsuru; Yoshida, Takeshi; and Yoshiura, Shoichiro, to Sharp Kabushiki Kaisha. Image forming cartridge for providing uniform corona charging. 4,803,512, 2-7-89, Cl. 355-3.0CH.

Ogura, Mitsuru; and Tsukamoto, Kimihide, to Sharp Kabushiki Kaisha. Multi-component photoreceptor cartridge unit. 4,876,577, 10-24-89, Cl. 355-315.000.

Ogura, Mototsugu: *See—*

Ban, Yuzaburo; Tsujii, Hiraaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, 4,843,031, Cl. 437-129.000.

Ban, Yuzaburo; Manno, Masaya; Kubo, Minoru; Morisaki, Mototsugu; and Ogura, Mototsugu, 4,885,260, Cl. 437-81.000.

Yokogawa, Toshiya; and Ogura, Mototsugu, 4,866,489, Cl. 357-17.000.

Ogura, Nobuhiko, to Fuji Photo Film Co., Ltd. Reflection density measuring system. 4,823,169, 4-18-89, Cl. 356-446.000.

Ogura, Nobuhiko: *See—*

Hoda, Yoshihiko; and Ogura, Nobuhiko, 4,830,503, Cl. 356-446.000.

Ohnishi, Masahiro; Ogura, Nobuhiko; and Muraishi, Katsuaki, 4,886,968, Cl. 250-327.200.

Ogura, Nobuo, to Canon Kabushiki Kaisha. Information memory system for reading information from a moving recording medium. 4,864,113, 9-5-89, Cl. 235-477.000.

Ogura, Ryushi: *See—*

Takiyama, Eiichiro; Yokoyama, Akira; and Ogura, Ryushi, 4,814,365, Cl. 523-514.000.

Ogura, Satoshi: *See—*

Hata, Yasuhisa; and Ogura, Satoshi, 4,830,580, Cl. 417-243.000.

Koike, Masahiro; Takahashi, Fuminobu; Ogura, Satoshi; and Yamada, Izumi, 4,831,598, Cl. 367-7.000.

Ogura, Seiki; and Rovedo, Nivo, to International Business Machines Corporation. Method for manufacturing a Bi-CMOS device. 4,868,135, 9-19-89, Cl. 437-31.000.

Ogura, Seiki: *See—*

Codella, Christopher F.; and Ogura, Seiki, 4,855,246, Cl. 437-41.000.

Ogura, Setsuo; Kamegaki, Kazuyuki; Yamazaki, Kouichi; Miyazaki, Hideo; Kitamura, Yukinori; and Mayuzumi, Shirou, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Semiconductor device. 4,857,987, 8-15-89, Cl. 357-45.000.

Ogura, Setsuo: *See—*

Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.

Ogura, Shigetaro: *See—*

Miyawaki, Mamoru; Ogura, Shigetaro; and Matsumoto, Kazuya, 4,856,861, Cl. 350-96.140.

Ogura, Shirou; and Yoshida, Shigemasa, to Mitsubishi Denki Kabushiki Kaisha. Velocity control unit of detecting head. 4,827,200, 5-2-89, Cl. 318-561.000.

Ogura, Tadashi: *See—*

Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,840,043, Cl. 62-51.200.

Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.

Ogura, Tokihiko, to Canon Kabushiki Kaisha. Image pick-up apparatus with sound recording function. 4,807,051, 2-21-89, Cl. 358-335.000.

Ogura, Tokihiko, to Canon Kabushiki Kaisha. Magnetic recording or reproduction apparatus with erasing capability. 4,821,123, 4-11-89, Cl. 360-66.000.

Ogura, Tokihiko: *See—*

Yamagata, Shigeo; Ogura, Tokihiko; Takei, Masahiro; and Suzuki, Yasutomo, 4,849,832, Cl. 360-66.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Baba, Masatoshi; Ishii, Shigeru; Hirata, Kiminori; Kudo, Masaki; Ochiai, Yoshinori; and Hirose, Masayoshi, to Nissan Chemical Industries, Ltd. Pyridazinone derivatives, preparation thereof, and insecticidal, acaricidal, nematicidal, fungicidal compositions. 4,837,217, 6-6-89, Cl. 514-252.000.

Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai, Yoshinori, to Nissan Chemical Industries, Ltd. Pyridazinone derivatives, preparation thereof, and insecticidal, acaricidal, nematicidal, fungicidal compositions. 4,874,861, 10-17-89, Cl. 544-229.000.

Ogura, Toshihiko: *See—*

Aotsu, Hiroaki; Ogura, Toshihiko; Kimura, Koichi; Kuwabara, Tadashi; and Makaya, Yuuichi, 4,849,907, Cl. 364-518.000.

Kimura, Koichi; Ogura, Toshihiko; Aotsu, Hiroaki; Ikegami, Mitsuru; and Kawabara, Tadashi, 4,868,781, Cl. 364-900.000.

Kubota, Kazumi; Kobayashi, Kazushi; and Ogura, Toshihiko, 4,872,131, Cl. 364-736.000.

Ogura, Toyosaku, to Yoshida Kogyo K. K. Apparatus using optical fibers for inspecting slide fastener elements. 4,855,592, 8-8-89, Cl. 250-227.000.

Ogura, Toyosaku, to Yoshido Kogyo K.K. Marking apparatus. 4,863,551, 9-5-89, Cl. 156-378.000.

Ogura, Tsuneo; Takigami, Katsuhiko; Nakagawa, Akio; and Domon, Tomokazu, to Kabushiki Kaisha Toshiba. Thyristor drive system. 4,821,083, 4-11-89, Cl. 357-38.000.

Ogura, Tsuneo; and Nakagawa, Akio, to Kabushiki Kaisha Toshiba. Turn-on/off driving technique for insulated gate thyristor. 4,866,315, 9-12-89, Cl. 307-637.000.

Ogura, Wataru, to Chinon Kabushiki Kaisha. Serial dot matrix printer. 4,838,717, 6-13-89, Cl. 400-322.000.

Ogura, Yoichi, to Kabushiki Kaisha Toshiba. Gain-variable amplifier circuit. 4,888,560, 12-19-89, Cl. 330-254.000.

Ogura, Yoshiharu, to Ogura Art Printing Co., Ltd. Packaging box having an improper tear prevention structure. 4,887,764, 12-19-89, Cl. 229-102.000.

Ogura, Yoshikazu: *See—*

Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.

Ogura, Yoshiyuki: *See—*

Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Ogura, Yukiko: *See—*

Yamamoto, Etsuji; Ogura, Yukiko; and Kohno, Hideki, 4,853,636, Cl. 324-309.000.

Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, 4,875,010, Cl. 324-248.000.

Ogure, Naoaki: *See—*

Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, 4,861,395, Cl. 148-321.000.

Oguri, Hideo, to Kabushiki Kaisha Komatsu Seisakusho. Cylinder head for an internal combustion engine. 4,889,080, 12-26-89, Cl. 123-41.82R.

Oguri, Noriyasu: *See—*

Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, 4,810,836, Cl. 174-139.000.

Oguri, Shigenori, to Yamaha Corporation. Automatic bass chord accompaniment apparatus for an electronic musical instrument. 4,864,907, 9-12-89, Cl. 84-637.000.

Oguri, Shigenori; and Terada, Kosei, to Yamaha Corporation. Automatic rhythm performing apparatus with modifiable correspondence between stored rhythm patterns and produced instrument tones. 4,872,385, 10-10-89, Cl. 84-635.000.

Oguri, Shigenori: *See—*

Sugiyama, Jun; Suzuki, Akira; Terada, Kosei; and Oguri, Shigenori, 4,843,934, Cl. 84-1.030.

Oguri, Tomiji: *See—*

Shinto, Hiroaki; Nakamura, Syuji; Yamaguchi, Terumoto; and Oguri, Tomiji, 4,829,848, Cl. 74-552.000.

Oguri, Yasuo: *See—*

Chida, Yukio; Nishimura, Tetsunhiko; and Oguri, Yasuo, 4,812,698, Cl. 310-330.000.

Hattori, Eiji; Tagawa, Toru; and Oguri, Yasuo, 4,865,829, Cl. 423-338.000.

Nishimura, Tetsuhiko; Basu, Swapan K.; Chida, Yukio; Oguri, Yasuo; and Inoue, Shoko, 4,882,078, Cl. 252-629.000.

Oguri, Yukio: *See—*

Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.

Oguro, Hiroki: *See—*

Sakurai, Soichi; Osawa, Michitaka; and Oguro, Hiroki, 4,833,370, Cl. 315-368.000.

Oguro, Keisuke: *See—*

Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.

Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.

Oguro, Masaki, to Sony Corporation. PCM audio signal recording and/or reproducing apparatus with program timer and series and parallel formats. 4,802,038, 1-31-89, Cl. 360-22.000.

Oguro, Tomokatsu, to Hitachi, Ltd. Magnetron cathode structure. 4,862,031, 8-29-89, Cl. 313-341.000.

Oguro, Tomokatsu, to Hitachi, Ltd. Structure of anode of magnetron and a method of manufacturing the same. 4,862,034, 8-29-89, Cl. 315-39.750.

Ogushi, Yoshimi: *See—*

Eguchi, Yoshitugu; Miyashita, Masaru; Arai, Hitoshi; and Ogushi, Yoshimi, 4,806,432, Cl. 428-457.000.

Ogusu, Mikio, to Nippon Gakki Seizo Kabushiki Kaisha. Disc clamping device for a disc cartridge player. 4,802,158, 1-31-89, Cl. 369-270.000.

Ogusu, Yoshiyuki: *See—*

Ishiwatari, Masaaki; Tsutsumi, Yuji; Ogusu, Yoshiyuki; and Kimura, Yoshihiro, 4,857,304, Cl. 424-59.000.

Oh, Chan S.: *See—*

Joseph, Ezekiel; Kramer, Gordon; and Oh, Chan S., 4,824,215, Cl. 350-339.00D.

Oh-hori, Tatsuya: *See—*

Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, 4,883,020, Cl. 118-719.000.

Oh, Indong. Threaded acetabular cup and method. 4,795,469, 1-3-89, Cl. 623-22.000.

Oh, Indong. Conversion femoral endoprosthesis. 4,795,471, 1-3-89, Cl. 623-23.000.

Oh, Indong. Femoral Prosthesis. 4,846,841, 7-11-89, Cl. 623-23.000.

Oh, Indong. Acetabular cup. 4,883,490, 11-28-89, Cl. 623-22.000.

Oh, Jong M.: *See—*

Yeo, Jong K.; Oh, Jong M.; Chang, Suk K.; and Lee, Eon S., 4,829,125, Cl. 525-194.000.

Oh-Kita, Motomu; Kato, Masaaki; and Kobayashi, Masao, to Mitsubishi Rayon Co., Ltd. Process for the production of methacrylic acid. 4,803,302, 2-7-89, Cl. 562-534.000.

Oh-Kita, Motomu; Ishii, Kazuhiro; and Kato, Masaaki, to Mitsubishi Rayon Company, Ltd. Process for producing methacrylic acid. 4,804,778, 2-14-89, Cl. 562-534.000.

Oh-Kita, Motomu; Taniguchi, Yoshiyuki; Kato, Masaaki; and Kobayashi, Masao, to Mitsubishi Rayon Co., Ltd. Process for the production of methacrolein and methacrylic acid. 4,816,603, 3-28-89, Cl. 562-538.000.

Oh, Luis L.: *See—*

Lamberty, Bernard J.; and Oh, Luis L., 4,870,426, Cl. 343-727.000.

Oh, Seho: *See—*

Marks, Robert J., II; Atlas, Les E.; and Oh, Seho, 4,849,940, Cl. 365-215.000.

Oh, Seik; and McKinney, Ray, Jr., to Edward Weck Incorporated. Plastic ligating clips. 4,834,096, 5-30-89, Cl. 128-325.000.

Oh, Yang H. Rotary sprayer for an automatic dishwasher. 4,884,585, 12-5-89, Cl. 134-176.000.

Ohachi, Tadashi: *See—*

Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, 4,818,735, Cl. 501-134.000.

O'Halloran, Michael L.; and Case, Cecil L., to Hay & Forage Industries. Crop harvester having conditioning zone provided with enlarged end regions. 4,821,494, 4-18-89, Cl. 56-1.000.

Ohama, Masanori; and Soma, Koroku, to Pasco Corporation. Apparatus for continuously photographing road surface. 4,861,157, 8-29-89, Cl. 352-132.000.

O'Hanlon, Peter J.: *See—*

Rogers, Norman H.; O'Hanlon, Peter J.; Walker, Graham; and Crimmin, Michael J., 4,812,470, Cl. 514-365.000.

Rogers, Norman H.; Walker, Graham; Crimmin, Michael J.; and O'Hanlon, Peter J., 4,861,788, Cl. 514-364.000.

Ohara Co., Ltd.: *See—*

Nakamura, Seizo, 4,830,083, Cl. 164-35.000.

Nakamura, Seizo, 4,830,823, Cl. 420-420.000.

O'Hara, James C., Jr. Root ball watering device. 4,843,757, 7-4-89, Cl. 47-48.500.

Ohara, Masaharu, to Omron Tateisi Electronics Co. Electromagnetic relay. 4,833,435, 5-23-89, Cl. 335-265.000.

Ohara, Michimasa: *See—*

Hanyuda, Ken; and Ohara, Michimasa, 4,879,762, Cl. 455-601.000.

Ohara, Minoru: *See*—
  Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.
Ohara, Mitsuhiro; and Kaneko, Kenichi, to Aisin Seiki Kabushiki Kaisha. Capacitance toilet seat switch for bidet. 4,841,583, 6-27-89, Cl. 4-420.400.
Ohara, Nobuhiro: *See*—
  Ikeda, Yasuhiro; Suzuki, Kunio; Watanabe, Masataka; and Ohara, Nobuhiro, 4,866,230, Cl. 219-10.430.
Ohara, Osamu: *See*—
  Shimizu, Shin; Tanaka, Tsugane; Ohara, Osamu; and Inoue, Taisei, 4,818,321, Cl. 156-254.000.
Ohara, Shinichiro; and Naruo, Kyoichi, to Fuji Photo Film Co., Ltd. Recording medium. 4,837,127, 6-6-89, Cl. 430-270.000.
Ohara, Shinsuke: *See*—
  Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.
Ohara, Shuichi; Akasaka, Sinichi; Oka, Hiroyuki; and Hattori, Shintaroo, to Hitachi, Ltd. Color ink sheet for thermal transfer. 4,812,439, 3-14-89, Cl. 503-227.000.
Ohara, Shuzo; and Kawahara, Hiroshi, to Goyo Paper Working Co. Ltd. Developer sheet. 4,855,280, 8-8-89, Cl. 503-214.000.
Ohara, Sinji, to NEC Corporation. Data output control system. 4,812,999, 3-14-89, Cl. 364-518.000.
Ohara, Sosaburo; Ikeda, Atsushi; Shinohara, Seigo; and Kijima, Tetsuo, to Taiho Industries Co., Ltd. Spray Lustering-cleansing agent. 4,880,557, 11-14-89, Cl. 252-174.150.
Ohara, Takashi: *See*—
  Ikeda, Masahide; Atoji, Hitomi; Ohara, Takashi, and Mizuno, Yuuzi, 4,796,061, Cl. 355-73.000.
Ohara, Terumi: *See*—
  Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
Ohara, Toru: *See*—
  Matsuo, Kenichi; Nakata, Muneo; and Ohara, Toru, 4,857,875, Cl. 335-297.000.
Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, to Nippondenso Co., Ltd.; and Nihon Parkerizing Co., Ltd. Aluminum heat exchanger and method for producing aluminum heat exchanger. 4,830,101, 5-16-89, Cl. 165-133.000.
Ohara, Toshio: *See*—
  Ogawa, Shinji; Kajikawa, Yoshiharu; Kuroyanagi, Isao; Baba, Norimasa; and Ohara, Toshio, 4,870,834, Cl. 62-197.000.
Ohara, Tsunemasa: *See*—
  Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.
Ohara, Yoshio: *See*—
  Miyaji, Katsuaki; Arai, Kazutaka; Ohara, Yoshio; and Takahashi, Yasuhiro, 4,837,344, Cl. 549-319.000.
Ohara, Yuji; Watanabe, Hideo; and Shoji, Takashi, to Fuji Photo Film Co., Ltd. Laser beam scanning method for maintaining a linear beam intensity over the led and laser oscilation regions and implementing apparatus. 4,814,791, 3-21-89, Cl. 346-108.000.
Ohara, Yuji; and Watanabe, Hideo, to Fuji Photo Film Co., Ltd. Light scanning recording device. 4,858,019, 8-15-89, Cl. 358-474.000.
Ohara, Yuji, to Fuji Photo Film Co., Ltd. Beam recorder with a temperature sensor for light quantity control. 4,876,556, 10-24-89, Cl. 346-108.000.
O'Hare, Louis R. Electroluminescent chemical activation system. 4,795,617, 1-3-89, Cl. 422-186.150.
O'Hare, Louis R. Plasma nitrogen fixation with short path heat transfer. 4,833,293, 5-23-89, Cl. 219-121.480.
O'Hare, Louis R. Fixation of nitrogen by solar energy. 4,873,061, 10-10-89, Cl. 422-188.000.
O'Hare, Louis R. Nitrogen fixation by electric arc and catalyst. 4,877,589, 10-31-89, Cl. 422-186.240.
Oharu, Kazuya: *See*—
  Maekawa, Takashige; Oharu, Kazuya; and Sakaguchi, Tomoko, 4,859,754, Cl. 526-245.000.
Ohashi, Akira: *See*—
  Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.
Ohashi, Hiromichi: *See*—
  Nakagawa, Akio; Ohashi, Hiromichi; Yamaguchi, Yoshihiro; Watanabe, Kiminori; and Thukakoshi, Thuneo, 4,881,120, Cl. 357-23.400.
Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kimura, Susumu; and Takekado, Shigeru, to Kabushiki Kaisha Toshiba. Head supporting mechanism for maintaining close operative relationship between magnetic heads and a flexible disk. 4,811,143, 3-7-89, Cl. 360-105.000.
Ohashi, Hiroshi: *See*—
  Kusunoki, Masahiro; Saito, Toshiya; Okamura, Hiroshi; and Ohashi, Hiroshi, 4,845,576, Cl. 360-67.000.
  Suzuki, Tsuneo; Kawakami, Chikahisa; and Ohashi, Hiroshi, 4,809,427, Cl. 29-603.000.
Ohashi, Kazuhito, to Canon Kabushiki Kaisha. Video signal processing device. 4,875,105, 10-17-89, Cl. 358-310.000.
Ohashi, Kazuo, to Kabushiki Kaisha Patine Shokai. Piping apparatus for melting snow and ice. 4,880,051, 11-14-89, Cl. 165-45.000.
Ohashi, Keiichi, to Skylite Industry Co., Ltd. Switch device of portable flashlight. 4,797,517, 1-10-89, Cl. 200-60.000.
Ohashi, Keiichi; Umehara, Hiroshi; and Nagahashi, Hajime, to Sharp Kabushiki Kaisha. Magnetic recording and reproducing apparatus with selective loading of different sized magnetic tapes. 4,866,550, 9-12-89, Cl. 360-94.000.
Ohashi, Kenji: *See*—
  Matsui, Isamu; Ohashi, Kenji; and Deno, Koji, 4,877,194, Cl. 242-35.60R.
Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eiji; Minato, Akira; and Ohsumi, Katsumi, to Hitachi, Ltd. Method of reducing radioactivity in nuclear plant. 4,820,473, 4-11-89, Cl. 376-305.000.
Ohashi, Kenya: *See*—
  Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.
Ohashi, Masahiko: *See*—
  Kitoh, Osamu; and Ohashi, Masahiko, 4,874,650, Cl. 428-68.000.
Ohashi, Masakazu; Horiguchi, Michiyuki; and Matsui, Yoshimitsu, to Sharp Kabushiki Kaisha. Data transmission system with means for distributing collision signals via the transmission line. 4,866,705, 9-12-89, Cl. 370-85.200.
Ohashi, Masaki: *See*—
  Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki, and Kurimoto, Isao, 4,866,101, Cl. 521-95.000.
Ohashi, Masao: *See*—
  Yasuda, Tomio; Sato, Jun, and Ohashi, Masao, 4,796,013, Cl. 340-562.000.
Ohashi, Masashi: *See*—
  Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.
  Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.
  Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.
  Kusumoto, Toshihiko; Kasamura, Toshirou; Okuda, Naoki; Ohashi, Masashi; Sasaki, Nobukazu; and Nada, Minoru, 4,841,336, Cl. 355-245.000.
  Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.
  Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.
  Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.
Ohashi, Masato; and Kodai, Shiyojiro, to Ryoden Kasei Co., Ltd.; and Mitsubishi Denki Kabushiki Kaisha. Integrated circuit card. 4,879,153, 11-7-89, Cl. 428-76.000.
Ohashi, Masato; and Kodai, Shiyoojiro, to Ryoden Kasei Co., Ltd.; and Mitsubishi Denki Kabushiki Kaisha. Identification card. 4,889,749, 12-26-89, Cl. 428-13.000.
Ohashi, Michihiro; and Nakamura, Norio, to Toyota Jidosha Kabushiki Kaisha. Electronic control device for internal combustion engine with EGR control apparatus. 4,881,509, 11-21-89, Cl. 123-571.000.
Ohashi, Michihito: *See*—
  Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, 4,835,565, Cl. 355-259.000.
Ohashi, Michiya, to Tomy Kogyo Co., Inc. Light projecting toy musical box. 4,858,079, 8-15-89, Cl. 362-35.000.
Ohashi, Minoru; Horii, Shoichi; and Kaneko, Satoshi, to Mitsubishi Paper Mills, Ltd. Method of producing images. 4,816,373, 3-28-89, Cl. 430-264.000.
Ohashi, Osamu; and Sasabe, Ken, to National Research Institute for Metals. Method of diffusion bonding of aluminum or alumina ceramics. 4,838,474, 6-13-89, Cl. 228-121.000.
Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, to Kanzaki Kokyukoki Mfg. Co. Ltd. Two-stage flow divider with constant orifice first stage in hydraulic system for working vehicles. 4,856,277, 8-15-89, Cl. 60-422.000.
Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, to Kanzaki Kokyukoki Mfg. Co. Ltd. Two-stage flow divider with pressure-relief valves in each stage to regulate flow in hydraulic system for working vehicles. 4,866,936, 9-19-89, Cl. 60-422.000.
Ohashi, Ryota: *See*—
  Fujisaki, Koichiro; Ohashi, Ryota; and Nemoto, Shusuke, 4,856,368, Cl. 74-606.00R.
  Yamaoka, Kojiro; Azuma, Toshiro; Yano, Kazuhiko; and Ohashi, Ryota, 4,886,142, Cl. 180-242.000.
Ohashi, Shigenobu: *See*—
  Todoroki, Yasumasa; Miura, Haruo; and Ohashi, Shigenobu, 4,887,940, Cl. 415-199.100.
Ohashi, Shigeo, to Nihon Kaiheiki Kogyo Kabushiki Kaisha. Printed wiring board mounted electronic component. 4,862,325, 8-29-89, Cl. 361-400.000.

Ohashi, Shinichi; and Fukushima, Isao, to Hitachi Video Engineering, Inc.; and Hitachi, Ltd. Multi-channel inverter circuit. 4,847,742, 7-11-89, Cl. 363-21.000.
Ohashi, Shinichi: *See*—
  Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi, and Kimura, Yoshikatsu, 4,862,328, Cl. 361-502.000.
Ohashi, Takashi: *See*—
  Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, 4,830,916, Cl. 428-138.000.
  Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.
  Sawa, Eiji; Moriya, Susumu; Fukuda, Hiroya; and Ohashi, Takashi, 4,842,926, Cl. 428-224.000.
Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing 4-acetoxy-3-hydroxyethylazetidin-2-one derivatives. 4,861,877, 8-29-89, Cl. 540-357.000.
Ohashi, Takehisa: *See*—
  Hamaguchi, Shigeki; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,863,859, Cl. 435-130.000.
  Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,814,506, Cl. 564-292.000.
Ohashi, Tamiyoshi: *See*—
  Kasugai, Joji; Ohashi, Tamiyoshi; and Toki, Satoshi, 4,795,053, Cl. 220-203.000.
Ohashi, Toshijiro: *See*—
  Seto, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.
Ohashi, Toshio, to Nissan Motor Company, Limited. Valve actuating arrangement. 4,884,780, 12-5-89, Cl. 251-11.000.
Ohashi, Toshio: *See*—
  Nose, Toshimitsu; Ohashi, Toshio; and Doi, Koichi, 4,825,756, Cl. 98-2.000.
Ohashi, Tsuneaki: *See*—
  Watanabe, Keiichiro; and Ohashi, Tsuneaki, 4,883,781, Cl. 501-102.000.
  Watanabe, Keiichiro, and Ohashi, Tsuneaki, 4,888,312, Cl. 501-102.000.
Ohashi, Yoshihiko; Nagasawa, Tadahiko; and Koyama, Katsumi, to Amada Company, Limited. Multistep bending machine. 4,831,862, 5-23-89, Cl. 72-389.000.
Ohashi, Yoshihiko: *See*—
  Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.
Ohashi, Yoshihiro: *See*—
  Ijiri, Waichiro; Watanabe, Masayuki; and Ohashi, Yoshihiro, 4,865,145, Cl. 180-791.000.
Ohashi, Yoshinobu: *See*—
  Mitsuhashi, Kenhachi; Ohashi, Yoshinobu; Nakayama, Shohei; and Yamada, Akira, 4,841,779, Cl. 73-826.000.
  Watanabe, Hideo; and Ohashi, Yoshinobu, 4,812,489, Cl. 522-42.000.
Ohashi, Yuichi; Shibahara, Yoshihiko; Makino, Katsumi; and Takehara, Hiroshi, to Fuji Photo Film Co., Ltd. Photosensitive tabular core/-shell silver halide emulsion. 4,835,095, 5-30-89, Cl. 430-567.000.
Ohashi, Yuichi: *See*—
  Ikegawa, Akihiko; Ohashi, Yuichi; and Okazaki, Masaki, 4,889,796, Cl. 430-549.000.
  Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, 4,853,322, Cl. 430-567.000.
Ohashi, Yutaka: *See*—
  Matsumura, Masami; Sasaki, Toshi; and Ohashi, Yutaka, 4,833,282, Cl. 200-19.0DR.
Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, to Eisai Co., Ltd. Aqueous solution containing lipid-soluble pharmaceutical substance. 4,840,970, 6-20-89, Cl. 514-690.000.
Ohata, Akira, to Toyota Jidosha Kabushiki Kaisha. Speed control system for a vehicle. 4,843,553, 6-27-89, Cl. 364-426.040.
Ohata, Akira, to Toyota Jidosha Kabushiki Kaisha. Non-linear feedback controller for internal combustion engine. 4,860,707, 8-29-89, Cl. 123-399.000.
Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, to Hitachi Ltd.; and Hitachi Microcomputer Engineering, Ltd. User programmable data processor. 4,817,032, 3-28-89, Cl. 364-900.000.
Ohata, Isao: *See*—
  Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,795,753, Cl. 514-345.000.
  Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,798,838, Cl. 514-342.000.
  Numasaki, Yoso; Takahashi, Koichiro; and Ohata, Isao, 4,886,818, Cl. 514-345.000.
Ohata, Keiichi; Hida, Hikaru; and Ogawa, Masaki, to NEC Corporation. High speed and power transistor. 4,839,703, 6-13-89, Cl. 357-22.000.
Ohata, Keiichi: *See*—
  Kasahara, Kensuke; Itoh, Tomohiro; and Ohata, Keiichi, 4,837,605, Cl. 357-22.000.
Ohata, Masatoshi; Tsutsui, Koichi; Ikedal, Shoji; and Fujimoto, Teruo, to Nippon Paint Co., Ltd. Graft polymerization of substituted styrene polymers having pendant vinylidene groups. 4,853,436, 8-1-89, Cl. 525-244.000.
Ohata, Yousuke: *See*—
  Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohata, Yousuke; and Hiraoka, Hiroshi, 4,851,873, Cl. 355-245.000.
Ohata, Yu; Kuramoto, Tsuyoshi; and Shimbo, Masaru, to Kabushiki Kaisha Toshiba. Silicon semiconductor substrate with an insulating layer embedded therein and method for forming the same. 4,837,186, 6-6-89, Cl. 437-228.000.
Ohata, Yu: *See*—
  Takagi, Yosuke; Ohata, Yu; Kitahara, Koichi; and Kuramoto, Tsuyoshi, 4,879,584, Cl. 357-43.000.
  Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, 4,855,799, Cl. 357-23.400.
Ohaus, Karl G.: *See*—
  Hart, Thomas G.; Ohaus, Karl G.; Nickerson, Earl W.; and Meisner, David J., 4,819,909, Cl. 251-48.000.
Ohba, Akio, to Sony Corporation. Method of forming curved surfaces and the apparatus. 4,885,702, 12-5-89, Cl. 364-521.000.
Ohba, Hirokazu: *See*—
  Okada, Eiichi; Ozawa, Akira; Kousaka, Tomomi; and Ohba, Hirokazu, 4,888,865, Cl. 29-568.000.
Ohba, Hiroshi: *See*—
  Hirokawa, Katsuhisa; and Ohba, Hiroshi, 4,855,578, Cl. 235-380.000.
Ohba, Hisao; Takekoshi, Tomoaki; and Kunichika, Kenji, to Fuji Photo Film Co., Ltd. Method for supplementing replenisher for developer in automatic developing machine for presensitized plate. 4,882,246, 11-21-89, Cl. 430-30.000.
Ohba, Hisao: *See*—
  Kanzaki, Hisao; and Ohba, Hisao, 4,875,067, Cl. 354-325.000.
  Kobayashi, Kesanao; Ohba, Hisao; and Toyama, Tadao, 4,837,131, Cl. 430-302.000.
  Takekoshi, Tomoaki; Ohba, Hisao; and Kunichika, Kenji, 4,841,320, Cl. 354-299.000.
  Toyama, Tadao; Ohba, Hisao; and Kunichika, Kenji, 4,880,724, Cl. 430-302.000.
Ohba, Kiyoshi: *See*—
  Emura, Tatuo; and Ohba, Kiyoshi, 4,885,178, Cl. 426-46.000.
Ohba, Koichi: *See*—
  Niino, Shuhei; Ishimura, Koichi; Okamoto, Ken; and Ohba, Koichi, 4,845,969, Cl. 72-11.000.
Ohba, Masaharu: *See*—
  Shima, Kotaro; Ohba, Masaharu; and Nonaka, Masakatsu, 4,881,753, Cl. 280-707.000.
Ohba, Masahiro: *See*—
  Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,848,851, Cl. 303-100.000.
  Matsumoto, Naoki; Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,811,993, Cl. 303-100.000.
  Takeuchi, Hitoshi; Tsujii, Masao; and Ohba, Masahiro, 4,819,172, Cl. 364-431.070.
Ohba, Masatoshi: *See*—
  Sato, Ryuichi; Taniguchi, Tsutomu; and Ohba, Masatoshi, 4,857,757, Cl. 307-113.000.
Ohba, Motoi; and Makimoto, Mitsuo, to Matsushita Electric Industrial Co., Ltd. Frequency synthesizer. 4,841,255, 6-20-89, Cl. 331-14.000.
Ohba, Motoi: *See*—
  Makimoto, Mitsuo; and Ohba, Motoi, 4,812,791, Cl. 333-219.000.
Ohba, Naohiko, to Honda Giken Kogyo Kabushiki Kaisha. Mount structure for differential gearbox. 4,856,751, 8-15-89, Cl. 248-638.000.
Ohba, Osam; and Tanizawa, Tetsu, to Fujitsu Limited. Bi-CMOS logic circuit. 4,816,705, 3-28-89, Cl. 307-446.000.
Ohba, Shinji: *See*—
  Tsutsumi, Kazumasu; and Ohba, Shinji, 4,868,693, Cl. 360-85.000.
Ohba, Shinya: *See*—
  Akimoto, Hajime; Ozaki, Toshifumi; and Ohba, Shinya, 4,809,075, Cl. 358-213.180.
  Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.
  Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.
  Baji, Toru; Matsuura, Tatsuji; Tsukada, Toshiro; and Ohba, Shinya, 4,825,287, Cl. 358-160.000.
Ohba, Takayuki: *See*—
  Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
Ohba, Tetsuya: *See*—
  Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.
Ohba, Toshihiro; Kinoshita, Hiroshi; Kanatani, Yoshiharu; and Uede, Hisashi, to Sharp Kabushiki Kaisha. EL panel drive system. 4,801,920, 1-31-89, Cl. 340-781.000.
Ohba, Toshihiro: *See*—
  Fujioka, Yoshihide; Shoji, Kazuo; Harada, Shigeyuki; and Ohba, Toshihiro, 4,864,182, Cl. 315-169.300.
  Harada, Shigeyuki; Ohba, Toshihiro; Kanatani, Yoshiharu; and Uede, Hisashi, 4,866,348, Cl. 315-169.300.
  Sakamoto, Atsushi; Harada, Shigeyuki; and Ohba, Toshihiro, 4,823,121, Cl. 340-781.000.

  Shoji, Kazuo; Fujioka, Yoshide; Harada, Shigeyuki; and Ohba, Toshihiro, 4,888,523, Cl. 315-169.300.
Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, to Kabushiki Kaisha Toshiba. Double-heterostructure semiconductor with mesa stripe waveguide. 4,809,287, 2-28-89, Cl. 372-45.000.
Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, to Kabushiki Kaisha Toshiba. Manufacturing method for semiconductor laser with mesa stripe. 4,835,117, 5-30-89, Cl. 437-129.000.
Ohban, Toshiyuki: *See—*
  Nambu, Masao; Kuwabara, Osamu; Okuno, Yoshihiko; and Ohban, Toshiyuki, 4,828,493, Cl. 433-199.100.
Ohbayashi, Akio: *See—*
  Oku, Masaharu; Ohbayashi, Akio; and Innami, Toshiyuki, 4,824,349, Cl. 425-29.000.
Ohbayashi, Hiroaki: *See—*
  Kobayashi, Hiroshi; and Ohbayashi, Hiroaki, 4,800,751, Cl. 73-118.100.
Ohbayashi, Hisashi: *See—*
  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,766, Cl. 514-195.000.
  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
Ohbayashi, Keiji; Chino, Shigeo; Okumura, Mitsuhiro; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Process for forming dye-image using a developer comprising an image stabilizer, a hydroxylamine and not containing benzyl alcohol. 4,797,350, 1-10-89, Cl. 430-380.000.
Ohbayashi, Keiji; Okumura, Mitsuhiro; Kojima, Takaaki; and Tanaka, Shigeo, to Konishiroku Photo Industry Co., Ltd. Rapidly processable silver halide color photosensitive material. 4,818,671, 4-4-89, Cl. 430-550.000.
Ohbayashi, Keiji: *See—*
  Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,830,958, Cl. 430-567.000.
  Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,863,844, Cl. 430-569.000.
Ohbayashi, Masaru: *See—*
  Kamei, Hideo; Ohbayashi, Masaru; Tomits, Koji; Sugawara, Koko; and Konishi, Masataka, 4,833,079, Cl. 435-148.000.
  Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,883,758, Cl. 435-253.500.
Ohbayashi, Yoshiaki; Hashimoto, Kunio; Sakurai, Katsumi; and Noma, Hiroyuki, to Hosiden Electronics Co., Ltd. Cross flow type cooling fan device. 4,859,888, 8-22-89, Cl. 310-68.00R.
Ohbori, Kouji: *See—*
  Itoh, Hajime; Takahashi, Hiroshi; Ohbori, Kouji; and Habara, Hideaki, 4,869,857, Cl. 264-41.000.
Ohbuchi, Ryutaroh: *See—*
  Hattori, Etsuo; Iwami, Tomoyuki; Miyazaki, Yoshihiro; and Ohbuchi, Ryutaroh, 4,799,056, Cl. 340-799.000.
Ohbuchi, Toru: *See—*
  Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, 4,870,448, Cl. 355-235.000.
Ohbuchi, Yasutsugu: *See—*
  Maeda, Hiromu; Haraguchi, Kazuo; and Ohbuchi, Yasutsugu, 4,860,882, Cl. 198-458.000.
Ohchi, Torao, to Tokyo Juki Industrial Co., Ltd. Workpiece detector for a sewing machine. 4,848,256, 7-18-89, Cl. 112-235.000.
Ohchi, Torao: *See—*
  Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, 4,848,255, Cl. 112-147.000.
  Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, 4,854,251, Cl. 112-121.120.
Ohdaira, Hirosi: *See—*
  Saito, Masayuki; Niitsuma, Akira; Ohdaira, Hirosi; Tanuma, Chiaki; and Mori, Miki, 4,857,482, Cl. a37-209.000.
Ohdake, Eishu: *See—*
  Kani, Yasuyuki; Ohdake, Eishu; and Miyakawa, Seiichi, 4,811,158, Cl. 361-230.000.
  Matsumoto, Kazuyoshi; Miyakawa, Seiichi; Ohdake, Eishu; and Suzuki, Shigeru, 4,803,593, Cl. 361-225.000.
Ohdate, Mitsuo, to Mitsubishi Denki Kabushiki Kaisha. Method for manufacturing pressure contact semiconductor devices. 4,803,180, 2-7-89, Cl. 437-222.000.
Ohdate, Mituo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,829,364, 5-9-89, Cl. 357-72.000.
Ohdawa, Hisao: *See—*
  Imaide, Takuya; Ohdawa, Hisao; and Noda, Masaru, 4,809,074, Cl. 358-213.150.
Ohe, Junya: *See—*
  Yabuki, Ritsue; Ohe, Junya; and Kawamura, Takumi, 4,832,912, Cl. 420-586.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system. 4,804,966, 2-14-89, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Vehicle antenna system. 4,804,967, 2-14-89, Cl. 343-712.000.
Ohe, Junzo; and Konda, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Vehicle antenna system. 4,804,968, 2-14-89, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile TV antenna system. 4,806,942, 2-21-89, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna. 4,811,024, 3-7-89, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automotive antenna system. 4,811,025, 3-7-89, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system. 4,811,330, 3-7-89, Cl. 455-277.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system. 4,816,837, 3-28-89, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system. 4,819,001, 4-4-89, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Vehicle antenna system. 4,821,042, 4-11-89, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Vehicle antenna system. 4,823,141, 4-18-89, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system. 4,823,142, 4-18-89, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Automobile antenna system for diversity reception. 4,845,505, 7-4-89, Cl. 343-712.000.
Ohe, Koji: *See—*
  Kouchi, Takeshi; Kashiwabara, Houichiro; Waki, Osamu; and Ohe, Koji, 4,868,719, Cl. 362-61.000.
Ohe, Takeshi; and Ohsaki, Hiroshi, to Jidosha Kiki Co., Ltd. Balanced vane type oil pumps. 4,838,767, 6-13-89, Cl. 417-299.000.
Ohe, Takeshi, to Jidosha Kiki Co., Ltd. Four-wheel steering system. 4,865,146, 9-12-89, Cl. 180-79.100.
Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshio; Shin, Sadahito; and Shima, Kenji, to Otsuka Pharmaceutical Co., Ltd. Monoclonal antibody, measuring method of glucosylated protein by utilizing the monoclonal antibody, and kit therefor. 4,837,170, 6-6-89, Cl. 436-548.000.
Ohern, Iyn-Yeong. Heat resistance brick. 4,850,165, 7-25-89, Cl. 52-199.000.
O'Herron, Michael, to Rampart Packaging Inc. Self lubricating su 4,830,559, 5-16-89, Cl. 411-428.000.
Ohfune, Yasufumi; and Sakaitani, Masahiro, to Suntory Limited. Process for producing statin and related compounds. 4,803,292, 2-7-89, Cl. 560-29.000.
Ohfune, Yasufumi; and Sakaitani, Masahiro, to Suntory Limited. Tertiary-butyldimethylsilyl carbamate derivative and process for producing the same. 4,837,349, 6-6-89, Cl. 556-420.000.
Ohfusa, Masaatsu, to Yoshida Kogyo K. K. Woven slide fastener stringer. 4,799,515, 1-24-89, Cl. 139-384.00B.
Ohga, Akihito; and Itani, Akira, to Mitsui Petrochemical Industries, Ltd. Process for producing barium titanates. 4,886,654, 12-12-89, Cl. 423-598.000.
Ohga, Kunihiko; and Saeki, Keiso, to Fuji Photo Film Co., Ltd. Pressure sensitive recording sheet. 4,822,768, 4-18-89, Cl. 503-214.000.
Ohga, Kunihiko; and Saeki, Keiso, to Fuji Photo Film Co., Ltd. Pressure-sensitive microcapsule sheet. 4,888,334, 12-19-89, Cl. 503-214.000.
Ohga, Syogo: *See—*
  Nishimura, Yoshio; and Ohga, Syogo, 4,848,552, Cl. 192-106.200.
Ohga, Tomonari: *See—*
  Higuchi, Seijun; Ohga, Tomonari; Katayama, Toshinori; and Yamamoto, Fumio, 4,842,958, Cl. 428-629.000.
Ohga, Toshinari; Kuge, Raizo; and Niwa, Susumu, to Kabushiki Kaisha Hosokawa Yoko. Pouch having tearing zone for taking out content packed therein. 4,834,245, 5-30-89, Cl. 206-610.000.
Ohgaki, Koji: *See—*
  Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.
  Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.
Ohgaki, Mitsuaki: *See—*
  Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
Ohgaki, Toshinaga: *See—*
  Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.
Ohgihara, Takahiro; Murakami, Yoshikazu; Mizunuma, Yasuyuki; and Nakano, Hiroyuki, to Sony Corporation. Tuned oscillator. 4,873,4 10-10-89, Cl. 331-96.000.
Ohgihara, Takahiro: *See—*
  Murakami, Yoshikazu; Mizunuma, Yasuyuki; Ohgihara, Takahiro; Nakano, Hiroyuki; Niikura, Kanako; and Okamoto, Tsutomu, 4,887,052, Cl. 331-96.000.
Ohgochi, Satoshi: *See—*
  Ohtawara, Isao; and Ohgochi, Satoshi, 4,856,051, Cl. 379-88.000.
Ohgoda, Makoto; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Energy subtraction processing method for radiation images, stimulable phosphor sheet, stimulable phosphor sheet composite member & stimulable phosphor sheet filter composite member used for the method. 4,855,598, 8-8-89, Cl. 250-327.200.
Ohgoda, Makoto; and Agano, Toshitaka, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,855,599, 8-8-89, Cl. 250-327.200.
Ohgoda, Makoto, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,861,995, 8-29-89, Cl. 250-327.200.
Ohgoda, Makoto, to Fuji Photo Film Co., Ltd. Cassette for information recording mediums. 4,870,285, 9-26-89, Cl. 250-484.100.

Ohgoda, Makoto: *See—*
  Seto, Kimio; and Ohgoda, Makoto, 4,802,618, Cl. 229-68.00R.
Ohgoh, Toshiharu: *See—*
  Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.
Ohgoshi, Hiroshi: *See—*
  Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,855,057, Cl. 210-650.000.
  Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,863,590, Cl. 210-93.000.
Ohguchi, Yoshihiro: *See—*
  Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 423-562.000.
Ohguma, Hirotsugu: *See—*
  Sasaki, Katutoki; Ohguma, Hirotsugu; and Matsutani, Kinya, 4,849,727, Cl. 335-301.000.
Ohhara, Hideto: *See—*
  Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, 4,803,276, Cl. 546-121.000.
Ohhara, Minoru: *See—*
  Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.
Ohhara, Nobuhiro: *See—*
  Watanabe, Masataka; Ohhara, Nobuhiro; and Taguchi, Kenichi, 4,876,438, Cl. 219-497.000.
Ohhara, Soji; Nishigaki, Satoshi; Tsuchimoto, Shuhei; and Kita, Ryusuke, to Sharp Kabushiki Kaisha. Production of photoelectric conversion film and contact type image sensor. 4,828,876, 5-9-89, Cl. 427-76.000.
Ohhara, Toshio: *See—*
  Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasche, Osamu, 4,821,531, Cl. 62-515.000.
Ohhashi, Akinami, to Kabushiki Kaisha Toshiba. Stereoscopic image display apparatus. 4,845,626, 7-4-89, Cl. 364-413.160.
Ohhashi, Kazuo: *See—*
  Matsumoto, Masahiro; Watanabe, Akira; Ohhashi, Kazuo; and Itao, Minoru, 4,845,709, Cl. 370-86.000.
Ohhashi, Masahide, to Kabushiki Kaisha Toshiba. Shading circuit for shading a plurality of polygons which constitute a solid model, and method of shading the same. 4,862,391, 8-29-89, Cl. 364-522.000.
Ohhashi, Yutaka: *See—*
  Katsuyama, Kazuo; Ohhashi, Yutaka; and Fukuta, Kenji, 4,844,706, Cl. 417-339.000.
Ohhata, Michinobu: *See—*
  Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.
Ohhira, Youichi: *See—*
  Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,795,493, Cl. 106-311.000.
  Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, 4,822,767, Cl. 503-213.000.
Ohi, Hideo: *See—*
  Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
Ohi, Kenji, to Nankai Kogyo Kabushiki Kaisha. Sealing device for a door. 4,805,345, 2-21-89, Cl. 49-308.000.
Ohi, Kimio, to Jeol Ltd. Electron microscope. 4,837,444, 6-6-89, Cl. 250-442.100.
Ohi, Kimio, to Jeol Ltd. Electron microscope equipped with scanning tunneling microscope. 4,874,945, 10-17-89, Cl. 250-306.000.
Ohi, Masao: *See—*
  Shiohara, Ryoichi; and Ohi, Masao, 4,851,766, Cl. 324-158.0MG.
Ohi, Michio, to Dainippon Screen Mfg. Co., Ltd. Automatic photosensitive material conveying apparatus. 4,835,574, 5-30-89, Cl. 355-27.000.
Ohi, Nobukazu: *See—*
  Kamohara, Hiroshi; Hayashi, Shohei; and Ohi, Nobukazu, 4,814,011, Cl. 106-38.510.
Ohi, Sankichi: *See—*
  Kobayashi, Naoki; and Ohi, Sankichi, 4,846,098, Cl. 118-300.000.
Ohi, Satoshi: *See—*
  Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shiro; and Takei, Yasuharu, 4,874,787, Cl. 514-531.125.
Ohi Seisakusho Co., Ltd.: *See—*
  Aihara, Tsutomu; Hirama, Yasuo; and Iwamoto, Hiroaki, 4,805,866, Cl. 248-429.000.
  Aihara, Tsutomu; and Muraishi, Masakazu, 4,821,991, Cl. 248-430.000.
  Asano, Kazunori; and Aoki, Toshihiko, 4,834,573, Cl. 403-344.000.
  Hayakawa, Hatsuo; and Honma, Mikio, 4,838,588, Cl. 292-216.000.
  Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,093, Cl. 410-107.000.
  Hirakui, Hidemasa; and Kishima, Masayoshi, 4,820,094, Cl. 410-107.000.
  Hori, Yasuaki; and Kobayashi, Fumio, 4,850,625, Cl. 292-336.300.
  Kato, Yuichi, 4,814,557, Cl. 200-61.640.
  Kobayashi, Satoshi; and Kato, Koji, 4,884,668, Cl. 192-4.00A.
  Maekawa, Junichi; Ugawa, Satoru; and Obuchi, Satoshi, deceased, 4,823,512, Cl. 49-352.000.
  Matsumoto, Masaharu; and Tatsumi, Hisato, 4,867,220, Cl. 160-35.000.
  Munakata, Kiyohiko; and Nishimura, Shinichi, 4,817,904, Cl. 248-429.000.
  Munakata, Kiyohiko; Tanaka, Yuji; and Chinomi, Isamu, 4,821,989, Cl. 248-430.000.
  Nagata, Teruhide; and Koizumi, Shigeru, 4,869,548, Cl. 296-221.000.
  Nakamura, Hitoshi; and Hori, Yasuaki, 4,856,829, Cl. 292-216.000.
  Nakamura, Hitoshi, 4,867,495, Cl. 292-336.300.
  Nihei, Masao, 4,813,643, Cl. 248-430.000.
  Shimura, Ryoji, 4,886,309, Cl. 292-336.300.
  Yamagishi, Jun; Nishikawa, Hiromitsu; and Yokoo, Toshio, 4,848,031, Cl. 49-280.000.
  Yamazaki, Hiroshi; Hara, Toshiyuki; Tanaka, Yuji; and Mouri, Takayuki, 4,880,264, Cl. 292-226.000.
Ohi, Shigeo: *See—*
  Ikada, Yoshito; Gen, Shokyu; Ohi, Shigeo; Urabe, Yosuke; and Kawashima, Hiroyuki, 4,882,162, Cl. 424-444.000.
Ohi, Shinichi; and Yoshida, Shinichiro, to Diesel Kiki Co., Ltd. Motor actuator for air conditioning system. 4,795,867, 1-3-89, Cl. 200-37.00R.
Ohi, Takao: *See—*
  Ogata, Yasuzi; and Ohi, Takao, 4,838,669, Cl. 350-427.000.
O'Higgins, John E.: *See—*
  Citron, Stephen J.; and O'Higgins, John E., 4,843,870, Cl. 73-116.000.
Ohike, Toshio: *See—*
  Sato, Yoshitake; Ohike, Toshio; and Nakazaki, Youji, 4,812,749, Cl. 324-106.000.
Ohike, Yukio, to Yazaki Corporation. Bearing structure. 4,810,106, 3-7-89, Cl. 384-428.000.
Ohio Art Company, The: *See—*
  Wickstead, James C.; and Selden, Gerald P., 4,887,968, Cl. 434-85.000.
Ohio Associated Enterprises, Inc.: *See—*
  Black, Robert H.; and Venaleck, John T., 4,863,402, Cl. 439-736.000.
  Roath, Alan L.; and Tengler, John N., 4,824,394, Cl. 439-395.000.
Ohio Bell Telephone Company, The: *See—*
  Pitts, James M.; and Taus, Richard L., 4,806,045, Cl. 404-7.000.
Ohio State University, The: *See—*
  Anderson, Robert J.; Henry, James E.; and Keener, Harold M., 4,863,076, Cl. 222-636.000.
  Means, Gary E.; and Ampon, Kamaruzaman, 4,808,530, Cl. 435-180.000.
  Nair, Raghunathan V.; and Witiak, Donald T., 4,871,736, Cl. 514-232.500.
  Wagner, Thomas E.; and Hoppe, Peter C., 4,873,191, Cl. 435-172.300.
  Walaszek, Zbigniew; Hanausek-Walaszek, Malgorzata; Webb, Thomas E.; and Minton, John P., 4,845,123, Cl. 514-473.000.
  Wilde, Bryan E.; and Budinski, Michael K., 4,826,657, Cl. 420-542.000.
Ohio State University Research Foundation, The: *See—*
  Busch, Daryle H., 4,888,032, Cl. 55-38.000.
  Horton, Derek; and Priebe, Waldemar, 4,870,058, Cl. 514-34.000.
  Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, 4,855,476, Cl. 558-410.000.
  Rosenzweig, Howard; and Fraenkel, Gideon, 4,806,648, Cl. 546-191.000.
  Stevens, Vernon C., 4,855,285, Cl. 514-12.000.
  Tomei, L. David; Cornhill, Fred; Jagadeesh, Jogikal; and Boninger, Michael, 4,877,966, Cl. 250-458.100.
  Webb, Thomas E.; Schumm, Dorothy E.; Hanausek-Walaszek, Margaret; Walaszek, Zbigniew; and Lang, Raymond W., 4,871,6[illegible], Cl. 435-7.000.
  Witiak, Donald T.; Kim, Sung K.; Feller, Dennis R.; and Romstedt, Karl J., 4,845,121, Cl. 514-455.000.
Ohio Tool Systems, Inc.: *See—*
  LeMaster, David A., 4,813,786, Cl. 366-251.000.
Ohio Willow Wood Company, Inc., The: *See—*
  Arbogast, Robert E.; and Arbogast, C. Joseph, 4,865,612, Cl. 623-55.000.
Ohira, Katuzi: *See—*
  Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, 4,822,668, Cl. 428-283.000.
Ohira, Kazuhiko: *See—*
  Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.
  Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.
Ohira, Kazuo: *See—*
  Nakaoku, Shozo; Imai, Eiji; Oshika, Yasuhiro; and Ohira, Kazuo, 4,826,840, Cl. 514-218.000.
  Nakaoku, Shozo; Sakuma, Kazuhiko; Oshika, Yasuhiro; and Ohira, Kazuo, 4,876,345, Cl. 544-379.000.
Ohira, Manabu: *See—*
  Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.

Ohira, Masaki: *See—*
  Moriyama, Masatoshi; and Ohira, Masaki, 4,860,082, Cl. 357-49.000.
Ohira, Shozo: *See—*
  Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, to Minolta Camera Kabushiki Kaisha. Copying apparatus having an editing function. 4,837,599, 6-6-89, Cl. 355-7.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, to Minolta Camera Kabushiki Kaisha. Electrophotographic copying machine capable of editing function. 4,855,786, 8-8-89, Cl. 355-218.000.
Ohira, Tadashi; Ito, Masazumi; and Maruta, Syuzi, to Minolta Camera Kabushiki Kaisha. Image forming apparatus capable of displaying capacity and/or remaining quantity of sheets of paper. 4,860,055, 8-22-89, Cl. 355-308.000.
Ohira, Tadashi: *See—*
  Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,831,414, Cl. 355-219.000.
  Maruta, Syuzi; Ito, Masazumi; and Ohira, Tadashi, 4,845,527, Cl. 355-210.000.
Ohira, Tsuyoshi: *See—*
  Kodama, Yukinori; Mochizuki, Hirohiko; Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,799,197, Cl. 365-205.000.
  Nakano, Masao; Ohira, Tsuyoshi; and Nomura, Hidenori, 4,806,795, Cl. 307-452.000.
  Nakano, Masao; Mochizuki, Hirohiko; Ohira, Tsuyoshi; Kodama, Yukinori; and Nomura, Hidenori, 4,807,192, Cl. 365-193.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,821,232, Cl. 365-189.000.
  Nakano, Masao; Ohira, Tsuyoshi; Mochizuki, Hirohiko; Kodama, Yukinori; and Nomura, Hidenori, 4,870,617, Cl. 365-190.000.
Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Semiconductor laser devices. 4,841,536, 6-20-89, Cl. 372-46.000.
Ohishi, Akio: *See—*
  Kondow, Masahiko; Satoh, Shin; Minagawa, Shigekazu; Ohishi, Akio; and Kajimura, Takashi, 4,841,531, Cl. 372-43.000.
  Kuroda, Takao; Watanabe, Akiyoshi; Tsuji, Shinji; Ohishi, Akio; and Matsumura, Hiroyoshi, 4,819,036, Cl. 357-4.000.
Ohishi, Hirohiko, to Fuji Photo Film Co., Ltd. Method and apparatus for roller leveler. 4,887,343, 12-19-89, Cl. 29-445.000.
Ohishi, Hiromi: *See—*
  Ihara, Kazunori; Ohishi, Hiromi; and Yatagai, Shoko, 4,888,320, Cl. 502-304.000.
Ohishi, Kazutami, to Koito Seisakusho Co. Ltd. Headlight mounting device. 4,839,785, 6-13-89, Cl. 362-418.000.
Ohishi, Kazutami, to Koito Seisakusho Co., Ltd. Lamp assembly having a snap-on connector for ready mounting and dismounting of a light bulb to and from a lamp housing. 4,841,419, 6-20-89, Cl. 362-226.000.
Ohishi, Kohji; Akiyama, Minoru; and Sekita, Ryuichi, to Polyplastics Co., Ltd. Process for producing polyester. 4,861,860, 8-29-89, Cl. 528-272.000.
Ohishi, Naohiro: *See—*
  Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.
Ohishi, Noriake: *See—*
  Nakagawa, Hiroaki; Kondo, Masahiro; and Ohishi, Noriake, 4,812,279, Cl. 264-311.000.
Ohishi, Seiichiro, to Kabushiki Kaisha Toshiba. Video signal memory apparatus and method which excludes storage of blanking signals. 4,835,612, 5-30-89, Cl. 358-160.000.
Ohishi, Shigeru, to Yazaki Corporation. Trouble detecting circuit for resistive sensor type indicator. 4,868,508, 9-19-89, Cl. 324-525.000.
Ohishi, Shinji; and Higomura, Makoto, to Canon Kabushiki Kaisha. Control system for a servomotor. 4,810,941, 3-7-89, Cl. 318-314.000.
Ohishi, Tatsuo; and Furuhashi, Hiroshi, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Diagnosis switch. 4,816,806, 3-28-89, Cl. 340-514.000.
Ohishi, Tetsuo: *See—*
  Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, 4,837,493, Cl. 318-685.000.
Ohishi, Yoshiaki: *See—*
  Chiba, Kazuo; Ohishi, Yoshiaki; Migita, Jituo; Mochizuki, Hajime; and Kobayashi, Takao, 4,883,950, Cl. 235-440.000.
Ohiwa, Norio: *See—*
  Yamaguchi, Shigeki; Ohiwa, Norio; and Ishiguro, Katsusuke, 4,881,373, Cl. 60-732.000.
Ohiwa, Yoshitaka; Hiwasa, Shyoichi; and Take, Hideo, to Kawasaki Steel Corp. Post-mix method and system for supply of powderized materials. 4,835,701, 5-30-89, Cl. 364-477.000.
Ohizumi, Kyouhei: *See—*
  Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, 4,820,316, Cl. 55-18.000.
Ohji, Akihito: *See—*
  Mizobuchi, Tadafumi; Ohji, Akihito; Sakoh, Seiichi; and Muguruma, Yasuyoshi, 4,876,092, Cl. 424-435.000.
Ohji, Kenzo: *See—*
  Fukuda, Hiroshi; Nagai, Takeshi; and Ohji, Kenzo, 4,808,293, Cl. 204-410.000.
  Mihara, Makoto; Inoue, Masanobu; Ohji, Kenzo; and Itou, Shuji, 4,875,533, Cl. 177-144.000.
  Sakamoto, Kazuho; Mihara, Makoto; Ohji, Kenzo; and Itou, Shuji, 4,825,967, Cl. 177-210.00C.
Ohji, Toshio; and Okada, Shinji, to Hitachi, Ltd. Rotary magnetic head assembly. 4,835,645, 5-30-89, Cl. 360-108.000.
Ohji, Toshio: *See—*
  Hiramatsu, Hiromichi; Odashima, Hitoshi; Hirayama, Kuniaki; and Ohji, Toshio, 4,882,833, Cl. 29-596.000.
Ohkaka, Ichizo; and Nakajima, Hiroaki, to Kato Hatsujo Kaisha, Ltd. Tube cutting and separating implement for conduit of blood or the like. 4,807,622, 2-28-89, Cl. 128-305.000.
Ohkami, Takahide; Iijima, Nobuyuki; Sakamoto, Teijiro; and Hirai, Toshiyuki, to Mitsubishi Denki Kabushiki Kaisha. Data processing system for array computation. 4,825,359, 4-25-89, Cl. 364-200.000.
Ohkanda, Masao, to Kioritz Corporation. Anti-overload centrifugal clutch. 4,889,215, 12-26-89, Cl. 192-48.100.
Ohkata, Ichizo; and Takahashi, Hiroshi, to Kato Hatsujyo Co., Ltd. Pulley in which ceramic particles are exposed on the surface. 4,838,842, 6-13-89, Cl. 474-192.000.
Ohkawa, Fujio; Higashidani, Akira; and Maeda, Hiroyuki, to Bridgestone Corporation. Diaphragm type air springs. 4,854,555, 8-8-89, Cl. 267-64.240.
Ohkawa, Hideo: *See—*
  Nakamura, Hironori; Yotsui, Toshiaki; Sato, Youichi; Umetsubo, Toshiaki; and Ohkawa, Hideo, 4,872,247, Cl. 29-125.000.
Ohkawa, Hiroyuki: *See—*
  Ito, Yukio; Yamada, Kimichika; and Ohkawa, Hiroyuki, 4,858,042, Cl. 360-96.500.
  Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,831,473, Cl. 360-96.500.
  Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, 4,855,848, Cl. 360-96.500.
Ohkawa, Kazumasa: *See—*
  Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.
Ohkawa, Kouzaburou: *See—*
  Muranaka, Shigeo; Ohkawa, Kouzaburou; Yokoyama, Junichi; Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,873,953, Cl. 123-308.000.
Ohkawa, Makoto: *See—*
  Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,029, Cl. 501-108.000.
Ohkawa, Shinichi; and Awazu, Kunio, to Sumitomo Electric Industries Ltd. Optical cable with bending mechanism. 4,826,281, 5-2-89, Cl. 350-96.260.
Ohkawa, Susumu: *See—*
  Okuwaki, Shigeru; Ohkawa, Susumu; Jufuku, Yasunobu; and Tatara, Yuudai, 4,795,409, Cl. 474-245.000.
Ohkawa, Takashi, to Fujitsu Limited. Semiconductor memory circuit having inspection circuit. 4,852,058, 7-25-89, Cl. 365-94.000.
Ohkawara Kakohki Co.: *See—*
  Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki; Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, 4,809,442, Cl. 34-10.000.
Ohkawara, Masaaki: *See—*
  Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki; Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, 4,809,442, Cl. 34-10.000.
Ohkawara, Masaru; and Kishi, Norimasa, to Nissan Motor Company, Limited. System and method for supporting layout of assembly parts for vehicles. 4,870,594, 9-26-89, Cl. 364-474.240.
Ohken Seiko Co., Ltd.: *See—*
  Kakizawa, Goro, 4,801,249, Cl. 417-269.000.
Ohki, Hiroshi, to Sony Corporation. Method of making optically recorded information medium by exposure to ultraviolet light. 4,881,217, 11-14-89, Cl. 369-132.000.
Ohki, Hiroshi: *See—*
  Miyake, Ryo; Ohki, Hiroshi; and Yamazaki, Isao, 4,863,264, Cl. 356-39.000.
Ohki, Junichi, to NEC Corporation. Method and system for transform coding of video signals. 4,887,156, 12-12-89, Cl. 358-133.000.
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  Koga, Toshio; and Ohki, Junichi, 4,851,906, Cl. 358-133.000.
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  Hirosawa, Toshio; Ohki, Masaru; and Kuwahara, Yutaka, 4,809,163, Cl. 364-200.000.
  Hirosawa, Toshio; and Ohki, Masaru, 4,814,975, Cl. 364-200.000.
Ohki, Naoyuki: *See—*
  Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, 4,803,520, Cl. 355-7.000.
  Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
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  Akasaki, Yutaka; Yabuuchi, Naoya; and Ohki, Tatsuro, 4,846,893, Cl. 106-500.000.
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  Kamada, Keiichi; Torikai, Motoyuki; and Ohkita, Yasuo, 4,886,704, Cl. 428-323.000.
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  Inoue, Tadashi; Ohkoba, Akira Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.
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  Kimura, Takeo; Seki, Yoshiatsu; Ohkoda, Mitsuru; and Hosaka, Makoto, 4,851,098, Cl. 204-198.000.
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  Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.
  Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.
Ohkubo, Akio: *See—*
  Nakamura, Mitsunori; Sakuragi, Kenkichi; Sasai, Keizo; and Ohkubo, Akio, 4,868,674, Cl. 358-296.000.
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  Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,829,323, Cl. 346-140.00R.
  Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,853,768, Cl. 358-80.000.
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  Inokuti, Yukio; and Ohkubo, Osamu, 4,863,581, Cl. 204-298.000.
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  Shibasaki, Ken-ichiro; Itoi, Hiroshi; Ohkubo, Shouichi; and Sano, Hiroshi, 4,879,281, Cl. 514-55.000.
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Ohkubo, Tetsuo: *See—*
  Yokoshima, Minoru; Ohkubo, Tetsuo; Hattori, Hideaki; and Kiyomoto, Masayuki, 4,843,111, Cl. 522-42.000.
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Ohkubo, Toshiki; and Kimura, Hitoshi, to NEC Corporation. Driver for stepping motor. 4,845,417, 7-4-89, Cl. 318-696.000.
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Ohkubo, Yoshimichi: *See—*
  Nohara, Shigezo; Hirata, Sadao; Sugimoto, Takeshi; and Ohkubo, Yoshimichi, 4,816,304, Cl. 428-36.700.
Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, to Canon Kabushiki Kaisha. Liquid crystal optical modulator. 4,878,742, 11-7-89, Cl. 350-347.00V.
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  Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, 4,856,869, Cl. 350-162.180.
  Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
  Yamanobe, Masato; Watanabe, Yasuyuki; and Ohkubo, Yukitoshi, 4,822,146, Cl. 350-348.000.
Ohkuma, Hiroaki: *See—*
  Konishi, Masataka; Saitoh, Kyoichiro; Ohkuma, Hiroaki; and Kawaguchi, Hiroshi, 4,868,117, Cl. 435-252.100.
  Tenmyo, Osamu; Ohkuma, Hiroaki; and Konishi, Masataka, 4,803,224, Cl. 514-563.000.
Ohkuma, Kunio: *See—*
  Nerome, Kuniaki; Oya, Akira; Ohkuma, Kunio; and Inoue, Atsuo, 4,826,687, Cl. 424-450.000.
Ohkuma, Nobuyoshi: *See—*
  Sakimori, Hideharu; Komatsu, Yoji; Ito, Masahiro; and Ohkuma, Nobuyoshi, 4,887,341, Cl. 29-156.40R.
Ohkuma, Taka'aki: *See—*
  Umezawa, Hamao; Suzuki, Shintaro; Ohkuma, Taka'aki; Sato, Fumihiro; and Nakamura, Teruya, 4,876,244, Cl. 514-19.000.
Ohkuma, Toshiyuki: *See—*
  Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.
Ohkuma, Yoshinori: *See—*
  Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.
  Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,803,384, Cl. 307-490.000.
  Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,813,048, Cl. 372-38.000.
Ohkumo, Hiroya, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,803,900, 2-14-89, Cl. 74-866.000.
Ohkumo, Hiroya, to Fuji Jukogyo Kabushiki Kaisha. System for controlling ignition timing of an internal combustion engine. 4,803,967, 2-14-89, Cl. 123-422.000.
Ohkumo, Hiroya; and Sakakiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. System for controlling a clutch for a motor vehicle. 4,805,751, 2-21-89, Cl. 192-0.076.
Ohkumo, Hiroya, to Fuji Jukogyo Kabushiki Kaisha. System for controlling a compressor of an air conditioner for motor vehicles. 4,823,555, 4-25-89, Cl. 62-133.000.
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Ohkumo, Hiroya, to Fuji Jukogyo Kabushiki Kaisha. Control system for a clutch for a vehicle. 4,846,321, 7-11-89, Cl. 192-0.032.
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Ohkumo, Hiroya: *See—*
  Miyama, Syuuji; and Ohkumo, Hiroya, 4,846,127, Cl. 123-325.000.
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  Ikeda, Haruhiko; Higuchi, Masahiro; and Ohkura, Hirokazu, 4,837,197, Cl. 503-209.000.

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Ohkura, Isao, to Mitsubishi Denki Kabushiki Kaisha. Complementary metal-oxide semiconductor integrated circuit device with isolation. 4,870,471, 9-26-89, Cl. 357-42.000.

Ohkura, Kengo: *See—*

Sawada, Kazuo; Hitotsuyanagi, Hajime; and Ohkura, Kengo 4,842,366, Cl. 350-96.300.

Ohkura, Yosuke, to Tosoh Corporation. Quinoxalinone derivatives and analytical method using said compounds. 4,800,223, 1-24-89, Cl. 544-354.000.

Ohkura, Yuji, to Mitsubishi Denki Kabushiki Kaisha. Single wavelength semiconductor laser. 4,847,857, 7-11-89, Cl. 372-96.000.

Ohkuwa, Hideki; and Hasegawa, Akira, to Olympus Optical Co., Ltd. Endoscope illuminating optical system device. 4,802,460, 2-7-89, Cl. 128-6.000.

Ohl, William C.: *See—*

Cosmos, Pete; Mosser, Benjamin H., III; and Ohl, William C., 4,842,554, Cl. 439-609.000.

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Ohlendorf, Dieter; Interthal, Werner; and Stoll, Friedrich, to Hoechst Aktiengesellschaft. Process and compositions for corrosion inhibition of metallic materials. 4,859,418, 8-22-89, Cl. 422-16.000.

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Hemmerling, Wolfgang; Dubal, Hans-Rolf; Muller, Ingrid; Ohlendorf, Dieter; and Wingen, Rainer, 4,876,028, Cl. 252-299.610.

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Ohlendorf, Guenter; and Elvidge, James, to Siemens Aktiengesellschaft. Method for measuring line parameters of subscriber lines of a telecommunication system. 4,845,737, 7-4-89, Cl. 379-30.000.

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Ohlendorf, Heinrich-Wilhelm; Kaupmann, Wilhelm; Kuehl, Ulrich; Buschmann, Gerd; and Magda, Stephen J., to Kali-Chemie Pharma GmbH. 1-Phenyl-2-aminocarbonylindole compounds, preparation thereof and pharmaceutical compositions containing them. 4,803,198, 2-7-89, Cl. 514-212.000.

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Ohlenmacher, Ralf: *See—*

Ruckert, Hans; and Ohlenmacher, Ralf, 4,853,314, Cl. 430-191.000.

Ohlhaber, Ronald L., to Cooper Industries, Inc. Cable assembly for use under carpeting. 4,801,764, 1-31-89, Cl. 174-70.00C.

Ohlhausen, Otto: *See—*

Faust, Eberhard; Bossert, Heinz; Niethammer, Kurt; and Ohlhausen, Otto, 4,798,416, Cl. 297-452.000.

Konzmann, Rainer; Ohlhausen, Otto; Schmitt, Joachim; Koucky, Antonin; and Klink, Josef, 4,886,317, Cl. 297-417.000.

Ohlig, Ernest. Graphic material registration apparatus and method. 4,812,883, 3-14-89, Cl. 355-91.000.

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Welander, Bo C.; Ohlin, Tommy C. K.; and Jarvis, Ronald P., 4,888,099, Cl. 204-95.000.

Ohlinger, Rainer: *See—*

Zanker, Fritz; and Ohlinger, Rainer, 4,810,799, Cl. 548-226.000.

Ohlinger, Wilhelm; and Warner, Nicholas M., to Unisys Corp. Bi-directional difference counter. 4,808,900, 2-28-89, Cl. 318-603.000.

Ohlmeyer, Manfred; and Benzel, Martin, to Kernforschungszentrum Karlsruhe GmbH. Process and apparatus for catalytically reducing noxious substances in flue gas. 4,810,476, 3-7-89, Cl. 423-239.000.

Ohlms, Norbert: *See—*

Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Fennemann, Wolfgang; and Ohlms, Norbert, 4,842,835, Cl. 423-242.000.

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Giersch, Wolfgang K.; and Ohloff, Gunther, 4,818,747, Cl. 512-14.000.

Ohlrogge, John B.: *See—*

Beremand, Phillips D.; Ohlrogge, John B.; and Kuhn, David N., 4,888,282, Cl. 435-193.000.

Ohlschlager, Hans, to Agfa-Gevaert Aktiengesellschaft. Photographic recording material, a process for the production of photographic images and new triazoles. 4,804,623, 2-14-89, Cl. 430-611.000.

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Ohlschlager, Hans: *See—*

Berthold, Werner; Marx, Paul; and Ohlschlager, Hans, 4,886,737, Cl. 430-372.000.

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Peters, Manfred; Ohlschlager, Hans; Kaluschke, Thomas; Wingender, Kaspar; Schenk, Gunther; and Boie, Immo, 4,840,871, Cl. 430-203.000.

Ohlson, Sten, to Perstorp Biolytica. Method and apparatus for isocratic affinity chromatography. 4,879,247, 11-7-89, Cl. 436-527.000.

Ohlsson, Hakan: *See—*

Larsson, Lennart; Ullman, Bo; and Ohlsson, Hakan, 4,852,136, Cl. 378-58.000.

Ohlsson, Thomas L.: *See—*

Bishop, H. John; Merriss, Morley M.; Ohlsson, Thomas L.; and Sopira, Terrence G., 4,813,035, Cl. 370-50.000.

Ohlstein, Eliot H.: *See—*

Kruse, Lawrence I.; Ross, Stephen T.; and Ohlstein, Eliot H., 4,882,348, Cl. 514-398.000.

Ohly, Richard L.: *See—*

Bellagambe, Miro D.; and Ohly, Richard L., 4,852,881, Cl. 273-183.00B.

Ohm, Christian; Pask, Stephen D.; Wieder, Wolfgang; Obrecht, Werner; and Schabel, Karl-Heinz, to Bayer Aktiengesellschaft. Flame resistant, halogen-free thermoplastic polymer compositions. 4,868,053, 9-19-89, Cl. 428-379.000.

Ohm, Christian: *See—*

Meurer, Kurt P.; Waniczek, Helmut; Ohm, Christian; and Witte, Josef, 4,812,546, Cl. 526-297.000.

Ohm, Heinz-Friedrich; and Reisch, Wolfgang, to VDO Adolf Schindling AG. Testable electronic device and method of testing such a device. 4,821,266, 4-11-89, Cl. 371-16.000.

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Appel, Hans-Gunter; Ohm, Heinz-Friedrich; Bluhm, Klaus; and Probst, Kurt, 4,888,537, Cl. 318-626.000.

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Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.

Ohmae, Tsutomu: *See—*

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

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Ohmatsu, Toshikazu. Expansion joints. 4,833,851, 5-30-89, Cl. 52-396.000.

Ohme, Roland: *See—*

Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.

Ohmega Electronics: *See—*

Rice, James M.; and Mahler, Bruce P., 4,808,967, Cl. 338-309.000.

Ohmega Electronics, Inc.: *See—*

Rice, James M.; and Mahler, Bruce P., 4,888,574, Cl. 338-309.000.

Ohmi, Fumiya: *See—*

Watada, Atsuyuki; and Ohmi, Fumiya, 4,797,331, Cl. 428-694.000.

Ohmi, Kunio: *See—*

Ohta, Toshihiko, Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, 4,818,853, Cl. 235-492.000.

Ohmi, Masatoshi; Uchiyama, Kazuo; and Yoneda, Toshihiko, to Yamaha Hatsudoki Kabushiki Kaisha. Manifold attachment. 4,827,879, 5-9-89, Cl. 123-52.0MV.

Ohmi, Shigeaki: *See—*

Sakai, Hiroyuki; Ohmi, Shigeaki; Yoneda, Yoshitaka; and Asahara, Yoshiyuki, 4,851,024, Cl. 65-3.140.

Ohmi, Tadahiro; Miki, Nobuhiro; and Kikuyama, Hirohisa, to Hashimoto Chemical Industries Co., Ltd. Surface treating composition for micro processing. 4,795,582, 1-3-89, Cl. 252-79.300.

Ohmi, Tadahiro. Semiconductor manufacturing apparatus. 4,824,546, 4-25-89, Cl. 204-298.000.

Ohmi, Tadahiro; Kanno, Yohichi; Uchisawa, Osamu; and Sato, Kazuhiko, to Motoyama Eng. Works, Lts. Metal diaphragm valve. 4,828,219, 5-9-89, Cl. 251-118.000.

Ohmi, Tadahiro; Sugiyama, Kazuhiko; Nakahara, Fumio; and Umeda, Masaru, to Tadahiro, Ohmi'=. Cylinder cabinet piping system. 4,869,301, 9-26-89, Cl. 141-85.000.

Ohmi, Tadahiro. Semiconductor manufacturing apparatus. 4,874,494, 10-17-89, Cl. 204-192.120.

Ohmi, Tadahiro: *See—*

Nishizawa, Jun-ichi; and Ohmi, Tadahiro, 4,814,839, Cl. 357-23.300.

Nishizawa, Jun-ichi; and Ohmi, Tadahiro, 4,872,044, Cl. 357-38.000.

Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; Ohmi, Tadahiro; and Harada, Tadanori, 4,847,668, Cl. 357-30.000.

Ohmika, Yasushi: *See—*

Mikami, Tetsuo; Ohmika, Yasushi; and Miyazaki, Hidetoshi, 4,852,423, Cl. 74-551.900.

Ohminato, Kiyoshi, to King Jim Co., Ltd. Turntable type binder assemblies. 4,815,882, 3-28-89, Cl. 402-34.00C.

Ohmine, Megumi: *See—*

Hiramoto, Seigo; Hamada, Osamu; Morita, Takeshi; and Ohmine, Megumi, 4,816,293, Cl. 427-53.100.

Morita, Takeshi; Hiramoto, Seigo; and Ohmine, Megumi, 4,810,525, Cl. 427-53.100.

Morita, Takeshi; Moriyasu, Masaharu; and Ohmine, Megumi, 4,814,576, Cl. 219-121.600.

Moriyasu, Masaharu; Morita, Takeshi; Hiramoto, Seigo; Hamada, Osamu; and Ohmine, Megumi, 4,825,035, Cl. 219-121.610.

Moriyasu, Masaharu; Morita, Takeshi; and Ohmine, Megumi, 4,873,417, Cl. 219-121.600.

Ohmiya, Kenji: *See—*

Arakawa, Satoshi; Kitada, Akira; Yamazaki, Kikuo; Ohmiya, Kenji; and Kawagoe, Jun, 4,855,191, Cl. 428-690.000.

Ohmizu, Seiji: *See—*

Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.

Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, to Daikin Industries, Ltd. Acryloxyorganosiloxane polymer. 4,810,766, 3-7-89, Cl. 526-279.000.

Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, to Daikin Industries, Ltd. Gas separating membrane. 4,832,712, 5-23-89, Cl. 55-158.000.

Ohmori, Akira; and Yasuhara, Takashi, to Daikin Industries, Ltd. Alpha-fluoroacrylic acid polymer and its use. 4,871,820, 10-3-89, Cl. 526-245.000.

Ohmori, Charles Z. Accessory for protecting and holding skis together. 4,830,403, 5-16-89, Cl. 280-815.000.

Ohmori, Hideki: *See—*

Nagata, Tetsuya; and Ohmori, Hideki, 4,858,391, Cl. 51-165.930.

Ohmori, Kiyoshi: *See—*

Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.

Ohmori, Koichi: *See—*

Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, 4,883,967, Cl. 250-370.010.

Ohmori, Koji: *See—*

Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, 4,841,109, Cl. 200-302.100.

Ohmori, Kouichi: *See—*

Kumakura, Tosiyuki; Kataoka, Hiroyuki; and Ohmori, Kouichi, 4,808,811, Cl. 250-214.00L.

Ohmori, Michio; Okamura, Michiya; and Yui, Hiroshi, to Mitsubishi Petrochemical Co., Ltd. Turntable for mounting recording medium in disk form. 4,841,516, 6-20-89, Cl. 369-264.000.

Ohmori, Naoto, to Minolta Camera Kabushiki Kaisha. Laser beam scanning apparatus. 4,829,322, 5-9-89, Cl. 346-108.000.

Ohmori, Naoto, to Minolta Camera Kabushiki Kaisha. Electrostatic latent image forming apparatus using semiconductor laser. 4,841,314, 6-20-89, Cl. 346-160.000.

Ohmori, Naoto, to Minolta Camera Kabushiki Kaisha. Laser printing system. 4,847,643, 7-11-89, Cl. 346-160.000.

Ohmori, Naoto, to Minolta Camera Kabushiki Kaisha. Laser beam scanning apparatus with compact SOS sensor. 4,886,963, 12-12-89, Cl. 250-235.000.

Ohmori, Sachio: *See—*

Hamanishi, Yoshinari; Shiokama, Yoshiharu; Imanari, Hitoshi; and Ohmori, Sachio, 4,796,045, Cl. 354-400.000.

Ohmori, Seishi; Niskala, Wayne F.; and Ishida, Yoshitaka, to Eastman Kodak Company. System for energizing thermal printer heating elements. 4,804,976, 2-14-89, Cl. 346-76.0PH.

Ohmori, Seishi: *See—*

Hatakeyama, Atsushi; Izumi, Masaki; and Ohmori, Seishi, 4,812,064, Cl. 400-622.000.

Ohmori, Shinichi: *See—*

Ohkita, Masao; and Ohmori, Shinichi, 4,803,576, Cl. 360-99.080

Ohmori, Toshiaki; Hama, Masaharu; and Fukumoto, Takaaki, to Mitsubishi Denki Kabushiki Kaisha. Method and apparatus for vapor drying. 4,868,996, 9-26-89, Cl. 34-13.000.

Ohmori, Toshiaki: *See—*

Nagae, Akemi; Satou, Shinichi; Fukumoto, Takaaki; and Ohmori, Toshiaki, 4,820,650, Cl. 437-10.000.

Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmori, Toshiaki; and Hyono, Tadashi, 4,869,090, Cl. 72-53.000.

Ohmori, Toshitaka, to Olympic Co., Ltd. Variable speed gearing in rotary electric tool. 4,869,131, 9-26-89, Cl. 74-750.00R.

Ohmori, Yoh: *See—*

Ogawa, Shinji; Iguchi, Seiya; Kimura, Hiroshi; and Ohmori, Yoh, 4,837,371, Cl. 548-497.000.

Ohmory, Akio: *See—*

Okamoto, Takehiko; Ohmory, Akio; Sueoka, Akinori; Kawata, Ichiro; and Akasu, Hiroyuki, 4,874,522, Cl. 210-645.000.

Ohmoto, Yoshiharu: *See—*

Noguchi, Kosaku; Tanaka, Honami; Yamazaki, Heima; and Ohmoto, Yoshiharu, 4,828,682, Cl. 208-131.000.

Ohmura, Haruo: *See—*

Yoneda, Takao; and Ohmura, Haruo, 4,810,945, Cl. 318-571.000.

Ohmura, Hiroshi; and Ushiro, Seimei, to Fuji Photo Film Co., Ltd. Reflection-type overhead projector. 4,811,110, 3-7-89, Cl. 358-256.000.

Ohmura, Hiroshi; Asano, Seiji; and Yoshida, Toshio, to Fuji Photo Film Co., Ltd. Lens-fitted photographic film package. 4,812,863, 3-14-89, Cl. 354-219.000.

Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, to Fuji Photo Film Co., Ltd. Lens-fitted photographic film package. 4,833,495, 5-23-89, Cl. 354-212.000.

Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; and Yoshida, Toshio, to Fuji Photo Film Co., Ltd. Lens-fitted photographic film package. 4,855,774, 8-8-89, Cl. 354-203.000.

Ohmura, Hiroshi: *See—*

Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.

Nakayama, Keiji; Ushiro, Seimei; and Ohmura, Hiroshi, 4,831,398, Cl. 354-212.000.

Suda. Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, 4,825,239, Cl. 354-402.000.

Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, 4,890,130, Cl. 354-288.000.

Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812,866, Cl. 354-288.000.

Ohmura, Keiichi: *See—*

Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki, and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.

Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, to Nippon Kokan Kabushiki Kaisha. Apparatus for forming thin films. 4,848,272, 7-18-89, Cl. 118-725.000.

Ohmura, Masanori; Sakama, Hiroshi; and Araki, Kenji, to Nippon Kokan Kabushiki Kaisha. Film forming apparatus. 4,858,558, 8-22-89, Cl. 118-725.000.

Ohmura, Ryuichi, to Fuji Kogyo Co., Ltd. Reel mounting device on fishing rods. 4,802,299, 2-7-89, Cl. 43-22.000.

Ohmura, Yoshio: *See—*

Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, 4,801,581, Cl. 514-42.000.

Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohhara, Minoru; and Ando, Takao, 4,874,750, Cl. 514-42.000.

Ohmura, Yutaka: *See—*

Shikinami, Yasuo; Hata, Kunihiro; and Ohmura, Yutaka, 4,855,077, Cl. 252-518.000.

Watanabe, Naoto; Tanaka, Akira; Matsumoto, Takayuki; Ohmura, Yutaka; and Kojima, Hisao, 4,873,760, Cl. 29-714.000.

Ohmure, Yukio: *See—*

Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, 4,836,944, Cl. 252-54.000.

Ohmuro, Hideaki: *See—*

Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmuro, Hideaki; and Ohryo, Akira. 4,877,946, Cl. 235-380.000.

Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmuro, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.

Ohmuro, Hiroaki, to Yamaha Corporation. Timpani. 4,856,406, 8-15-89, Cl. 84-419.000.

Ohnaka, Hidemi: *See—*

Norota, Kazuhiko; Yoshioka, Mamoru; and Ohnaka, Hidemi, 4,825,841, Cl. 123-571.000.

Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.

Shibata, Yoshiaki; and Ohnaka, Hidemi, 4,799,466, Cl. 123-327 000.

Ohnaka, Michihiro: *See—*
Someya, Shinzo; Akahira, Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, 4,798,618, Cl. 71-92.000.

Ohnaka, Shinji: *See—*
Saito, Hisashi; Ohnaka, Shinji; and Fukuda, Shigeo, 4,843,173, Cl. 562-531.000.

Ohnaka, Takashi, to Sanyo Electric Co., Ltd. Method and apparatus for erasing a magnetic disc employing erasing signals having at least two different frequencies. 4,802,028, 1-31-89, Cl. 360-66.000.

Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, to Hitachi, Ltd. Method of engine control timed to engine revolution. 4,887,216, 12-12-89, Cl. 364-431.060.

Ohnari, Yoshihide: *See—*
Nojiri, Hitoshi; Kitai, Katuhiro; Ohnari, Yoshihide; Kidoh, Masaro; and Yamamoto, Tsuneo, 4,808,468, Cl. 428-220.000.

Ohnemueller, Hans: *See—*
Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,796,717, Cl. 180-197.000.
Leiber, Heinz; Ohnemueller, Hans; and Kastner, Klaus, 4,804,058, Cl. 180-197.000.

Ohnemuller, Hans-Joachim: *See—*
Leiber, Heinz; and Ohnemuller, Hans-Joachim, 4,841,446, Cl. 364-426.020.
Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,850,446, Cl. 180-197.000.
Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,856,610, Cl. 180-197.000.
Leiber, Heinz; Ohnemuller, Hans-Joachim; and Kastner, Klaus, 4,886,140, Cl. 180-197.000.

Ohnemus, Fritz: *See—*
Gleim, Gunter; Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,795,947, Cl. 315-384.000.
Hartmann, Uwe; and Ohnemus, Fritz, 4,841,251, Cl. 328-36.000.
Hartmann, Uwe; Mai, Udo; and Ohnemus, Fritz, 4,849,818, Cl. 358-142.000.

Ohngemach, Jorg: *See—*
Kohler, Manfred; Ohngemach, Jorg; Wehner, Gregor; and Gehlhaus, Jurgen, 4,861,916, Cl. 568-337.000.

Ohnhaus, Buford U. Convertible shape hood structure for air flow measurement. 4,807,667, 2-28-89, Cl. 138-45.000.

Ohnishi, Akimoto: *See—*
Kitamura, Norihiko; and Ohnishi, Akimoto, 4,886,807, Cl. 514-258.000.

Ohnishi, Akira, to Sharp Kabushiki Kaisha. Microwave stirrer for microwave oven. 4,833,286, 5-23-89, Cl. 219-10.55F.

Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, to Mochida Pharmaceutical Co., Ltd. Cephalosporin derivatives. 4,840,945, 6-20-89, Cl. 514-206.000.

Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, to Mochida Pharmaceutical Co., Ltd. Cephalosporin derivatives. 4,888,332, 12-19-89, Cl. 514-206.000.

Ohnishi, Hirofumi: *See—*
Ichikawa, Koji; Soga, Norikazu; and Ohnishi, Hirofumi, 4,864,856, Cl. 73-290.00V.
Yazawa, Yoshiyuki; Ohnishi, Hirofumi; Akimoto, Taizo; Washizu, Susumu; and Shoji, Tsuyoshi, 4,843,471, Cl. 358-160.000.

Ohnishi, Hirohumi: *See—*
Akimoto, Taizo; Nishiyama, Mikio; Yazawa, Yoshiyuki; and Ohnishi, Hirohumi, 4,827,341, Cl. 358-148.000.

Ohnishi, Hiroshi: *See—*
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; Ohnishi, Hiroshi; and Yamaguchi, Shigeru, 4,830,508, Cl. 366-152.000.
Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Ohnishi, Hiroshi, 4,880,142, Cl. 222-56.000.

Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, to Tokyo Electric Power Co., Inc., The; and Mitsubishi Denki Kabushiki Kaisha. System for detecting underground objects. 4,831,383, 5-16-89, Cl. 342-22.000.

Ohnishi, Katsumi: *See—*
Sato, Kiyosumi; Mizushima, Yoshihiro; Ohnishi, Katsumi; Kato, Motokazu; and Matsumoto, Toshio, 4,835,677, Cl. 364-200.000.

Ohnishi, Kazuhiko; and Naito, Seishi, to Glory Kogyo Kabushiki Kaisha. Certification identifying medium. 4,863,196, 9-5-89, Cl. 283-82.000.

Ohnishi, Kazumasa: *See—*
Uchino, Kenji; and Ohnishi, Kazumasa, 4,857,791, Cl. 310-321.000.
Uchino, Kenji; and Ohnishi, Kazumasa, 4,883,248, Cl. 248-550.000.

Ohnishi, Kazuyuki; Okuda, Masakiyo; and Mori, Yoshiteru, to Sharp Kabushiki Kaisha. Copying machine. 4,831,412, 5-16-89, Cl. 355-233.000.

Ohnishi, Kazuyuki; Mori, Yoshiteru; and Okuda, Masakiyo, to Sharp Kabushiki Kaisha. Automatic document feeder. 4,875,072, 10-17-89, Cl. 355-23.000.

Ohnishi, Makoto: *See—*
Kobayashi, Naoya; Ohnishi, Makoto; and Kokuryo, Yoshiro, 4,823,346, Cl. 371-43.000.

Ohnishi, Masaaki. Lure plug. 4,827,656, 5-9-89, Cl. 43-34.000.

Ohnishi, Masahiro, to Fuji Photo Film Co., Ltd. Light beam scanning recording method. 4,806,946, 2-21-89, Cl. 346-1.100.

Ohnishi, Masahiro; Ogura, Nobuhiko; and Muraishi, Katsuaki, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,886,968, 12-12-89, Cl. 250-327.200.

Ohnishi, Masaru: *See—*
Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hira Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.
Samejima, Kazuhiro; and Ohnishi, Masaru, 4,835,549, Cl. 346-76.0PH.

Ohnishi, Masayuki: *See—*
Kobayashi, Hideki; and Ohnishi, Masayuki, 4,849,022, Cl. 106-490.000.

Ohnishi, Masazumi: *See—*
Ogino, Mineo; and Ohnishi, Masazumi, 4,821,551, Cl. 72-302.000.

Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, to Yokogawa Electric Corporation; and Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Regeneration type body fluid treating circuit and method for treating body fluid. 4,855,057, 8-8-89, Cl. 210-650.000.

Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, to Yokogawa Electric Corp.; and Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Regeneration type body fluid treating circuit and method for treating body fluid. 4,863,590, 9-5-89, Cl. 210-93.000.

Ohnishi, S. Tsuyoshi, to Miles Inc. Method of treating hemoglobinopathy. 4,851,404, 7-25-89, Cl. 514-211.000.

Ohnishi, Shunichi: *See—*
Nakagawa, Shozo; Ohnishi, Shunichi; and Takagi, Akihiro 4,866,546, Cl. 360-66.000.

Ohnishi, Souichi; Toda, Tadahiro; Komai, Kensaku; and Sugihara, Masuo, to Sharp Kabushiki Kaisha. Data terminal with capability of checking memory storage capacity as well as program execution parameters. 4,807,186, 2-21-89, Cl. 364-900.000.

Ohnishi, Souichi: *See—*
Toda, Tadahiro; Ohnishi, Souichi; Komai, Kensaku; and Sugihara, Masuo, 4,851,994, Cl. 364-200.000.
Touji, Ryozo; and Ohnishi, Souichi, 4,811,219, Cl. 364-405.000.

Ohnishi, Tadahiro: *See—*
Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse. Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.

Ohnishi, Tateo: *See—*
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; Ohno, Hironobu; Shioda, Isamu; and Nakazono, Yoji, 4,870,850, Cl. 72-164.000.
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; and Ohno, Hironobu, 4,878,961, Cl. 148-128.000.

Ohnishi, Tetsuya: *See—*
Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, 4,873,570, Cl. 358-80.000.

Ohnishi, Toshihiro: *See—*
Murase, Ichiki; Ohnishi, Toshihiro; and Noguchi, Takanobu, 4,868,284, Cl. 528-481.000.

Ohnishi, Tsuyoshi. Simple blood test for diagnosing malignant hyperthermia. 4,837,163, 6-6-89. Cl. 436-63.000.

Ohnishi, Tsuyoshi. Preparation and uses of new prostaglandin derivatives which protect cell membranes against ischemic, physical, chemical, and biological injuries. 4,840,968, 6-20-89, Cl. 514-530.000.

Ohnishi, Yoshiro: *See—*
Wakiyama, Yoshihiro; Aoyama, Takeshi; and Ohnishi, Yoshiro, 4,882,503, Cl. 307-267.000.

Ohnishi, Yoshizumi: *See—*
Yamamoto, Taizo; Konishi, Hirokazu; Kawaguchi, Yoshihisa; and Ohnishi, Yoshizumi, 4,811,302, Cl. 177-1.000.

Ohnishi, Youichi; Okuda, Akira; Shima, Hiromi; and Mizuguchi, Shinichi, to Matsushita Electric Industrial Co., Ltd. Plasma processing apparatus. 4,812,712, 3-14-89, Cl. 315-176.000.

Ohnishi, Yutaka: *See—*
Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.

Ohnmacht, Helmut, to Fritz Eichenauer GmbH & Co. KG. Electrical heating element with meander-shaped windings. 4,845,345, 7-4-89, Cl. 219-546.000.

Ohno, Akihiko: *See—*
Miyagi, Hiroshi; and Ohno, Akihiko, 4,799,947, Cl. 65-158.000.

Ohno, Akio, to Canon Kabushiki Kaisha. Multiple image forming apparatus with charger to prevent disturbance of already-transferred images. 4,888,621, 12-19-89, Cl. 355-326.000.

Ohno, Chikai; and Hirata, Michiyuki, to Fujitsu Limited; and Fujitsu VLSI Limited. Synchronous semiconductor memory device. 4,882,712, 11-21-89, Cl. 365-206.000.

Ohno, Hatsue; and Imaeda, Mikio, to Brother Kogyo Kabushiki Kaisha. Thermal transfer printing ribbon. 4,865,901, 9-12-89, Cl. 428-212.000.

Ohno, Hideo: *See—*
Hasegawa, Hideki; and Ohno, Hideo, 4,847,565, Cl. 330-5.000.

Ohno, Hironobu: *See—*
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; Ohno, Hironobu; Shioda, Isamu; and Nakazono, Yoji, 4,870,850, Cl. 72-164.000.
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; and Ohno, Hironobu, 4,878,961, Cl. 148-128.000.

Ohno, Hiroyuki: *See—*
Imaki, Katsuhiro; Arai, Yoshinobu; and Ohno, Hiroyuki, 4,843,094, Cl. 514-518.000.
Toda, Masaaki; Ohuchida, Shuichi; and Ohno, Hiroyuki, 4,857,537, Cl. 514-365.000.

Ohno, Iwao: *See—*
Ogawa, Masanobu; and Ohno, Iwao, 4,826,086, Cl. 239-533.900.

Ohno, Jiro: *See—*
Yashiro, Hirokatsu; Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.

Ohno, Junya: *See—*
Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137 143.000.

Ohno, Katsuhiro: *See—*
Toriu, Jirou; Ohno, Katsuhiro; and Miyajima, Jun, 4,837,922, Cl. 29-603.000.

Ohno, Katsutoshi; Abe, Tomohiko; and Kimizuka, Yuichi, to Sony Corporation. Method of preparing fluorescent material of small particle size. 4,801,398, 1-31-89, Cl. 252-301.40R.

Ohno, Kazuhisa: *See—*
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
Fukui. Hiroshi; Namba, Ryujiro Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa, Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu. Yuzo, 4,882,225, Cl. 428-405.000.

Ohno, Kazunori: *See—*
Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hino, Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.
Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812,866, Cl. 354-288.000.

Ohno, Ken; Yoshimoto, Mitsuo; and Ozaki, Yoshihide, to Diafoil Company, Limited. Thermal transfer (printing) film. 4,806,422, 2-21-89, Cl. 428-336.000.

Ohno, Kengo, to Sumitomo Wiring Systems, Ltd. Device for determining placement of electrical connector terminals. 4,849,743, 7-18-89, Cl. 340-687.000.

Ohno, Kenichi; and Kubo, Kanji, to Honda Giken Kogyo Kabushiki Kaisha. Four-wheel steerable motor vehicle. 4,805,940, 2-21-89, Cl. 280-91.000.

Ohno, Kenichi: *See—*
Kubo, Kanji; and Ohno, Kenichi, 4,796,904, Cl. 280-91.000.

Ohno, Kenji: *See—*
Hashimoto, Nobuo; Ishii, Hideo; Tanahashi, Kenji; Ohno, Kenji; and Ohno, Kiichi, 4,884,894, Cl. 366-338.000.

Ohno, Kiichi: *See—*
Hashimoto, Nobuo; Ishii, Hideo; Tanahashi, Kenji; Ohno, Kenji; and Ohno, Kiichi, 4,884,894, Cl. 366-338.000.

Ohno, Kinichiro; and Kawata, Tomoshi, to Tokyo Kikai Seisakusho, Ltd. Production process control system in newspaper printing. 4,803,634, 2-7-89, Cl. 364-478.000.

Ohno, Kinichiro; and Kawabata, Mitsuru, to Tokyo Kikai Seisakusho, Ltd. Counter of objects being transported. 4,807,263, 2-21-89, Cl. 377-8.000.

Ohno, Kiyoshi: *See—*
Ochiai, Hideo; Ohno, Kiyoshi; Iwao, Eiichi; and Mori, Hideo, 4,800,980, Cl. 180-225.000.
Seki, Koji; Morishita, Hiroshi; Ohno, Kiyoshi; and Yokota, Hiroshi, 4,871,695, Cl. 501-54.000.

Ohno, Kiyotaka; Nagase, Hiroshi; Ishikawa, Mamoru; Matsumoto, Kazuhisa; and Nishio, Shintaro, to Toray Industries, Inc. 5,6,7,-trinor-4,8-inter-m-phenylene 2-nor PGI_2 derivatives and anti-ulcer, anti-thrombotic and anti-hypertensive pharmaceutical compositions containing them. 4,822,804, 4-18-89, Cl. 514-337.000.

Ohno, Kiyotaka; Takahashi, Toshiya; and Nishio, Shintaro, to Toray Industries. 2,5,6,7-tetranor-18,18,19,19-tetradehydro-4,8-inter-m-phenylene PGI_2 derivatives. 4,880,939, 11-14-89, Cl. 549-458.000.

Ohno, Koichi; Higashi, Kenji; and Tateno, Hiroki, to Nikon Corporation. Method of and apparatus for detecting the accuracy of superposition exposure in an exposure apparatus. 4,803,524, 2-7-89, Cl. 355-53.000.

Ohno, Koichi: *See—*
Anzai, Satoru; and Ohno, Koichi, 4,871,237, Cl. 350-419.000.

Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, to Chisso Corporation. 2-(4'-alkoxyphenyl)-5-alkylpyridines. 4,795,587, 1-3-89, Cl. 252-299.610.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, to Chisso Corporation. Optically active alcohols. 4,827,052, 5-2-89, Cl. 568-812.000.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, to Chisso Corporation. Optically active substituted biphenyl compounds. 4,882,084, 11-21-89, Cl. 252-299.660.

Ohno, Kouji: *See—*
Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, 4,865,763, Cl. 252-299.610.
Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,818,432, Cl. 252-299.660.
Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,886,622, Cl. 252-299.610.
Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,429, Cl. 252-299.610.
Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, 4,818,430, Cl. 252-299.610.
Saito, Shinichi; Inoue, Hiromichi; Miyazawa, Kazutoshi; Ohno, Kouji; and Ushioda, Makoto, 4,876,026, Cl. 252-299.610.

Ohno, Kuniharu: *See—*
Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Ohno, Kunio, to Olympus Optical Co., Ltd. Treating instrument for use with an endoscope. 4,840,176, 6-20-89, Cl. 128-303.140.

Ohno, Makoto: *See—*
Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, 4,808,312, Cl. 210-500.230.
Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto. Isamu, 4,886,631, Cl. 264-48.000.

Ohno, Manabu: *See—*
Uchide, Hitoshi; Kuribayashi, Tetsuya; and Ohno, Manabu, 4,868,084, Cl. 430-110.000.

Ohno, Masafumi: *See—*
Komura, Masahiko; and Ohno, Masafumi, 4,802,841, Cl. 431-47.000.

Ohno, Masahiro: *See—*
Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.

Ohno, Michio: *See—*
Hasegawa, Katsumi; Ohno, Michio; and Kadotsuji, Akira, 4,852,819, Cl. 242-18.00R.
Hasegawa, Katsumi; Ohno, Michio; Saito, Isoo; and Fujioka, Kotaro, 4,863,662, Cl. 264-130.000.

Ohno, Motoyasu: *See—*
Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, 4,839,879, Cl. 369-54.000.

Ohno, Nobuo: *See—*
Kakisawa, Hiroshi; Kusumi, Takenori; and Ohno, Nobuo, 4,840,658, Cl. 71-67.000.

Ohno, Norio: *See—*
Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.

Ohno, Sadayuki: *See—*
Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.

Ohno, Satoru: *See—*
Uda, Masahiro; Ohno, Satoru; and Okuyama, Hideo, 4,889,665, Cl. 264-10.000.

Ohno, Shigeru; Mihara, Yuji; and Adachi, Keiichi, to Fuji Photo Film Co., Ltd. Silver halide photosensitive material containing an infrared absorption dye. 4,839,265, 6-13-89, Cl. 430-522.000.

Ohno, Shigeru: *See—*
Adachi, Keiichi; Ohno, Shigeru; Inagaki, Yoshio; Seto, Nobuo; and Jinbo, Yoshihiro, 4,833,246, Cl. 544-82.000.
Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, 4,849,774, Cl. 346-140.00R.
Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,204, Cl. 430-512.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,801,468, Cl. 427-35.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,818,563, Cl. 427-55.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,853,251, Cl. 427-38.000.
Kishimoto, Shinzo; and Ohno, Shigeru, 4,845,017, Cl. 430-393.000.
Miyasaka, Nobuaki; Ikeda, Hideo; Sakai, Minoru; Ohno, Shigeru; and Mukunoki, Yasuo, 4,818,675, Cl. 430-567.000.
Motoyama, Shimesu; Ohno, Shigeru; and Umeda, Seiichi, 4,820,442, Cl. 252-188.280.
Sato, Kozo; Ohno, Shigeru; and Yamada, Sumito, 4,877,720, Cl. 430-512.000.
Shirai, Shigeru; and Ohno, Shigeru, 4,818,651, Cl. 430-57.000.
Shirai, Shigeru; and Ohno, Shigeru, 4,818,652, Cl. 430-57.000.

Ohno, Tadayoshi: *See—*
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, Cl. 346-76.0PH.
Nagato, Hitoshi; Hirahara, Shuzo; and Ohno, Tadayoshi, 4,819,008, Cl. 346-76.0PH.

Ohno, Takao: *See—*
Hirai, Nobuki; Ushida, Yoshihisa; and Ohno, Takao, 4,830,996, Cl. 501-136.000.

Ohno, Takehiro; and Watanabe, Rikizo, to Hitachi Metals, Ltd. Single-crystal Ni-based super-heat-resistant alloy. 4,802,934, 2-7-89, Cl. 148-404.000.

Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, to Hitachi, Ltd. Ion source application device. 4,851,668, 7-25-89, Cl. 250-251.000.

Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, to Hitachi, Ltd. Magnetic recording medium and process for producing the same. 4,842,917, 6-27-89, Cl. 428-141.000.

Ohno, Tomoyuki: *See—*

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gohara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.

Ohno, Toshinobu: *See—*

Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.

Ohno, Toshiyuki; Tamahashi, Kunihiro; and Chigasaki, Mitsuo, to Hitachi, Ltd. Electrophotographic sensitized body having a diffusion blocking layer. 4,804,606, 2-14-89, Cl. 430-57.000.

Ohno, Yasunori: *See—*

Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000.

Ohno, Yasuo, to NEC Corporation. Field effect transistor. 4,831,422, 5-16-89, Cl. 357-233.000.

Ohno, Yoshimi; Hatase, Takayuki; and Hata, Daisuke, to Ricoh Company, Ltd. Varifocal lens device. 4,881,799, 11-21-89, Cl. 350-429.000.

Ohno, Yoshimi: *See—*

Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,818,921, Cl. 318-269.000.

Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,831,405, Cl. 354-409.000.

Hatase, Takayuki; and Ohno, Yoshimi, 4,825,237, Cl. 354-402.000.

Hatase, Takayuki; and Ohno, Yoshimi, 4,861,146, Cl. 350-429.000.

Ohno, Yuichi: *See—*

Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.

Ohnsorge, Jochen: *See—*

Hoff, Gunter; and Ohnsorge, Jochen, 4,868,237, Cl. 524-407.000.

Ohnstad, Thomas S.: *See—*

Fleury, Gilles A.; Lavallee, Robert L.; and Ohnstad, Thomas S., 4,825,912, Cl. 139-305.000.

Ohnuki, Ichiro; Ikemori, Keiji; and Eguchi, Masaharu, to Canon Kabushiki Kaisha. Camera. 4,804,986, 2-14-89, Cl. 354-212.000.

Ohnuki, Ichiro: *See—*

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,812,869, Cl. 354-408.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,833,313, Cl. 250-201.000.

Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.

Yamada, Akira; and Ohnuki, Ichiro, 4,862,208, Cl. 354-485.000.

Ohnuki, Nobutaka, to Hitachi, Ltd. Tracking control unit in information reproducing apparatus. 4,805,163, 2-14-89, Cl. 369-44.000.

Ohnuki, Takahiro: *See—*

Matsuda, Shigeki; Mori, Kazuhiko; Gotou, Wataru; and Ohnuki, Takahiro, 4,880,476, Cl. 148-253.000.

Ohnuki, Takeshi: *See—*

Inagoya, Osamu; Fujiwara, Hideo; Tanaka, Yoshito; and Ohnuki, Takeshi, 4,870,523, Cl. 360-122.000.

Ohnuki, Tohru: *See—*

Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.

Ohnuma, Kenji: *See—*

Hotta, Yoshio; Ohnuma, Kenji; and Komura, Akihiko, 4,802,740, Cl. 350-341.000.

Ohnuma, Nobuyoshi; and Ueda, Akio, to Toybox Corporation. Endless rail for running toy. 4,838,828, 6-13-89, Cl. 446-446.000.

Ohnuma, Yoshiyuki: *See—*

Goto, Yasuhiro; Yonezawa, Takeyuki; and Ohnuma, Yoshiyuki, 4,886,767, Cl. 501-97.000.

Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko; and Ohnuma, Yoshiyuki, 4,853,299, Cl. 428-698.000.

Oho, Shigeru; Yamada, Kazuji; and Tsuchitani, Shigeki, to Hitachi, Ltd. Optical interconnections for integrated circuits. 4,835,595, 5-30-89, Cl. 357-30.00R.

Oho, Shigeru; Hirayama, Takashi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, to Hitachi, Ltd. Collective wiring system and method of control thereof. 4,855,896, 8-8-89, Cl. 364-138.000.

Oho, Shigeru: *See—*

Imoto, Katsuyuki; Maeda, Minoru; Kameyama, Masayoshi; Ikuta, Yasushi; Araki, Hiroshi; and Oho, Shigeru, 4,842,359, Cl. 350-96.160.

Sonobe, Hisao; Makino, Junichi; Oho, Shigeru; Matsumoto, Masahiro; Kitano, Kouji; and Araki, Hiroshi, 4,796,993, Cl. 356-350.000.

Ohoka, Akihiro; and Washimi, Kouichi, to Sumitomo Electric Industries, Ltd. Apparatus for automatically dispensing accurately a predetermined quantity of liquids required to be stored at constant temperatures. 4,844,298, 7-4-89, Cl. 222-58.000.

Ohoka, Mikiharu: *See—*

Lach, Lawrence E.; and Ohoka, Mikiharu, 4,877,976, Cl. 307-450.000.

Ohoka, Naoto: *See—*

Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,848,851, Cl. 303-100.000.

Matsumoto, Naoki; Kuraoka, Hiroaki; Ohoka, Naoto; and Ohba, Masahiro, 4,811,993, Cl. 303-100.000.

Ohoka, Susumu: *See—*

Maeda, Tetsuro; Wada, Fukuaki; Ohoka, Susumu; and Okamoto, Akihiro, 4,876,145, Cl. 428-327.000.

O'Horo, Michael P.: *See—*

Pond, Stephen F.; Kneezel, Gary A.; Lorenze, Robert V.; O'Horo, Michael P.; Maltz, Martin S.; and Kellerman, Richard, 4,860,030, Cl. 346-76.0PH.

Ohosuga, Ichirho, to Minicam Research Corporation. DC-DC converter. 4,839,786, 6-13-89, Cl. 363-52.000.

Ohouchi, Junichi; Sasaki, Hiroaki; and Hasegawa, Kazuo, to ALPS Electric Co., Ltd. Optical position input device. 4,801,797, 1-31-89, Cl. 250-221.000.

Ohri, Hiroshi: *See—*

Hamane, Masumi; and Ohri, Hiroshi, 4,813,299, Cl. 74-752.00E.

Ohriner, Evan K.; Whelan, Edward P.; Wada, Tsuguyasu; and Ocken, Howard, to Electric Power Research Institute, Inc. Cobalt-free, iron-base hardfacing alloys. 4,803,045, 2-7-89, Cl. 420-57.000.

Ohrle, Rolf; Herlemann, Werner; and Parisch, Jochen, to Daimler-Benz Aktiengesellschaft. Vehicle sliding roof sealing arrangement. 4,805,959, 2-21-89, Cl. 296-216.000.

Ohrlein, Manfred: *See—*

Batheja, Pramod; Ohrlein, Manfred; Rau, Peter; and Weber, Eduard, 4,826,649, Cl. 376-230.000.

Ohryo, Akira: *See—*

Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmuro, Hideaki; and Ohryo, Akira, 4,877,946, Cl. 235-380.000.

Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmuro, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.

Ohsaka, Yohnosuke; and Sonoyama, Heikitsu, to Daikin Kogyo Co., Ltd. Process for preparing chlorotrifluoromethylbenzene. 4,825,014, 4-25-89, Cl. 570-144.000.

Ohsaka, Yohnosuke; Tohzuka, Takashi; and Takaki, Shoji, to Daikin Industries, Ltd. Halogen-containing polyether. 4,845,268, 7-4-89, Cl. 560-184.000.

Ohsaka, Yohnosuke; and Kohno, Satoru. Monohalogenotrifluorooxetane and its preparation. 4,864,040, 9-5-89, Cl. 549-511.000.

Ohsaka, Yohnosuke; Takaki, Shoji; and Sakai, Hiroo, to Daikin Industries Ltd. Removal of hydrogen fluoride from 2,2,3,3-*tetra*-fluorooxetane. 4,886,581, 12-12-89, Cl. 203-80.000.

Ohsaki, Akihiko: *See—*

Nishimura, Tadashi; Sugahara, Kazuyuki; Kusunoki, Shigeru; and Ohsaki, Akihiko, 4,845,537, Cl. 357-23.400.

Okamoto, Tatsuo; and Ohsaki, Akihiko, 4,887,143, Cl. 357-49.000.

Ohsaki, Hiroshi: *See—*

Emori, Yasuyoshi; Ohsaki, Hiroshi; and Nomura, Ikuo, 4,877,100, Cl. 180-143.000.

Ohe, Takeshi; and Ohsaki, Hiroshi, 4,838,767, Cl. 417-299.000.

Ohsaki, Ichiro: *See—*

Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.

Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, 4,797,344, Cl. 430-138.000.

Ohsaki, Katsumichi: *See—*

Akao, Takeshi; Sakai, Morihiko; Ohsaki, Katsumichi; and Yamada, Muneki, 4,851,115, Cl. 210-189.000.

Ohsaki, Mikio: *See—*

Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, 4,837,689, Cl. 364-419.000.

Ohsaki, Saburou; Takahashi, Taketo; and Miki, Toshihiro, to Mitsubishi Denki Kabushiki Kaisha. Ion implantation method. 4,877,962, 10-31-89, Cl. 250-442.100.

Ohsaki, Takanori: *See—*

Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,843,387, Cl. 340-870.370.

Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,879,552, Cl. 340-870.370.

Ohsaki, Takashi: *See—*

Arakawa, Kohei; and Ohsaki, Takashi, 4,876,078, Cl. 423-447.300.

Ohsako, Nobutaka: *See—*

Nagai, Takaji; and Ohsako, Nobutaka, 4,832,673, Cl. 474-263.000.

Ohsato, Kiyoshi: *See—*

Kobayashi, Seiji; and Ohsato, Kiyoshi, 4,796,250, Cl. 369-54.000.

Ohsawa, Hidefumi; Katayama, Akihiro; Hosokawa, Hiroshi; Sunohara, Izuru; and Yoshimoto, Masahiko, to Canon Kabushiki Kaisha. Image processing apparatus with binarization-error dispersal. 4,876,610, 10-24-89, Cl. 358-443.000.

Ohsawa, Hidefumi: *See—*

Katayama, Akihiro; Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, 4,878,125, Cl. 358-443.000.

Ohsawa, Hidetoshi: *See—*

Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.

Ohsawa, Keiji, to Nikon Corporation. Single lens reflex camera having replaceable view finder. 4,833,494, 5-23-89, Cl. 354-152.000.

Ohsawa, Masaaki: *See—*

Nagahama, Masamitsu; Ohsawa, Masaaki; and Kawasaki, Masayuki, 4,824,271, Cl. 401-196.000.

Ohsawa, Masahiro; and Yonezawa, Eiichi, to Fuji Electric Co., Ltd. Spindle motor for driving discs. 4,874,976, 10-17-89, Cl. 310-268.000.

Ohsawa, Masanori, to Tenryu Marusawa Kabushiki Kaisha. Electromagnetic spring clutch. 4,846,324, 7-11-89, Cl. 192-35.000.

Ohsawa, Seiichi, to Pioneer Electronic Corporation. Fibre-type light wavelength conversion device. 4,874,221, 10-17-89, Cl. 350-96.290.

Ohsawa, Seiichi: *See—*

Kunita, Masao; Koizumi, Michio; and Ohsawa, Seiichi, 4,852,480, Cl. 101-93.050.

Ohsawa, Susumu: *See—*

Miyazaki, Hidehiro; Shingai, Kazuto; and Ohsawa, Susumu, 4,837,759, Cl. 369-32.000.

Ohsawa, Takaaki: *See—*

Nakamura, Motoharu; Ohsawa, Takaaki; Haga, Hirokazu; and Tanabe, Akira, 4,825,807, Cl. 118-672.000.

Ohsawa, Takashi, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,802,132, 1-31-89, Cl. 365-230.000.

Ohsawa, Takashi, to Kabushiki Kaisha Toshiba. Regulated power supply for MOS Transistors with short channel length. 4,843,257, 6-27-89, Cl. 307-296.800.

Ohsawa, Toshifumi, to Canon Kabushiki Kaisha. Voltage adjusting apparatus. 4,820,023, 4-11-89, Cl. 350-331.00R.

Ohsawa, Toshiyuki; Yoshino, Katsumi; and Kanetou, Keiichi, to Ricoh Company, Ltd.; and Yoshino, Katsumi. Electromagnetic shielding material. 4,804,568, 2-14-89, Cl. 428-40.000.

Ohsawa, Toshiyuki: *See—*

Kimura, Okitoshi; Ohsawa, Toshiyuki; Kabata, Toshiyuki; Nishihara, Hiroshi; and Aramaki, Kunitsugu, 4,837,096, Cl. 429-213.000.

Kimura, Okitoshi; Kabata, Toshiyuki; and Ohsawa, Toshiyuki, 4,886,572, Cl. 156-633.000.

Takakubo, Masaaki; and Ohsawa, Toshiyuki, 4,818,646, Cl. 429-213.000.

Ohsawa, Tuneyuki: *See—*

Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.

Ohsawa, Yoshihito: *See—*

Ebihara, Norio; Sasaki, Takayuki; Kita, Hiroyuki; and Ohsawa, Yoshihito, 4,864,402, Cl. 358-160.000.

Ohsawa, Yutaka: *See—*

Takami, Satoshi; and Ohsawa, Yutaka, 4,806,748, Cl. 250-214.00R.

Takami, Satoshi; and Ohsawa, Yutaka, 4,831,400, Cl. 354-271.100.

Takami, Satoshi; and Ohsawa, Yutaka, 4,872,069, Cl. 354-484.000.

Ohshima, Atsumi: *See—*

Nakatani, Toshio; and Ohshima, Atsumi, 4,799,442, Cl. 112-262.200.

Ohshima, Atsushi: *See—*

Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, 4,868,115, Cl. 435-188.000.

Ohshima, Eiji; Kumagai, Takao; and Baba, Hiromitsu, to Sony Corporation. Tape loading device for a cassette type tape recording and/or reproducing apparatus. 4,796,115, 1-3-89, Cl. 360-85.000.

Ohshima, Hajime: *See—*

Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, 4,876,562, Cl. 346-160.000.

Ohshima, Hirofumi: *See—*

Iguchi, Isamu; Ohshima, Hirofumi; Deguchi, Hiroaki; and Tsuchida, Tsuyoshi, 4,831,978, Cl. 123-195.00H.

Ohshima, Iwao: *See—*

Orii, Koichi; Ohshima, Iwao; and Watanabe, Naotake, 4,853,198, Cl. 423-335.000.

Ohshima, Jiro: *See—*

Abe, Masahiro; Aoyama, Masaharu; Ohshima, Jiro; and Ajima, Takashi, 4,853,760, Cl. 357-52.000.

Taka, Shin-ichi; and Ohshima, Jiro, 4,853,342, Cl. 437-31.000.

Taka, Shin-ichi; and Ohshima, Jiro, 4,871,685, Cl. 437-33.000.

Ohshima, Naoto: *See—*

Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, 4,820,624, Cl. 430-567.000.

Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.

Yamashita, Seiji; Ohshima, Naoto; and Takada, Shunji, 4,836,462, Cl. 430-604.000.

Ohshima, Noriyoshi: *See—*

Sukigara, Akihiko; Mizoguchi, Shigeru; Wada, Yuzo; Shibamiya, Yoshikazu; and Ohshima, Noriyoshi, 4,827,286, Cl. 346-76.0PH.

Ohshima, Shigeo; Suzuki, Youichi; and Segawa, Makoto, to Kabushiki Kaisha Toshiba. Integrated circuit with switching noise reduction by feedback. 4,864,164, 9-5-89, Cl. 307-443.000.

Ohshima, Shigeo; and Sahara, Hiroshi, to Kabushiki Kaisha Toshiba. Semiconductor device having reduced potential fluctuations. 4,883,978, 11-28-89, Cl. 307-443.000.

Ohshima, Shigeo: *See—*

Toda, Haruki; Sahara, Hiroshi; and Ohshima, Shigeo, 4,862,420, Cl. 365-221.000.

Ohshima, Shigeru, to Canon Kabushiki Kaisha. Pickup apparatus. 4,797,734, 1-10-89, Cl. 358-55.000.

Ohshima, Shigeru; and Sekiguchi, Takeshi, to Canon Kabushiki Kaisha. Adapter with built-in shutter. 4,812,911, 3-14-89, Cl. 358-225.000.

Ohshima, Shigeru: *See—*

Fukami, Kiyoshi; Sekiguchi, Takeshi; and Ohshima, Shigeru, 4,857,997, Cl. 358-55.000.

Ohshima, Tadao: *See—*

Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.

Ohshima, Tetsuji: *See—*

Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.

Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, 4,863,504, Cl. 71-92.000.

Ohshima, Toshio; and Yokoyama, Naoki, to Fujitsu Limited. Method for producing a semiconductor integrated circuit having an improved isolation structure. 4,837,178, 6-6-89, Cl. 437-33.000.

Ohshima, Toyoko: *See—*

Fukizawa, Kazunori; Ohshima, Toyoko; and Hata, Toshinobu, 4,889,774, Cl. 428-614.000.

Ohshima, Yoshimasa: *See—*

Koizumi, Mitsuyoshi; and Ohshima, Yoshimasa, 4,814,596, Cl. 250-205.000.

Ohshio, Hirohiko; Makita, Horoyuki; Nagasawa, Hidehiko; Kurosawa, Yoshiki; and Koyanagi, Yoshinobu, to Koito Seisakusho Co., Ltd. Automotive lamp assembly. 4,862,337, 8-29-89, Cl. 362-294.000.

Ohshiro, Katsuhiko: *See—*

Suzuki, Shigeru; Ohshiro, Katsuhiko; and Watanabe, Yasushi, 4,846,632, Cl. 417-295.000.

Suzuki, Shigeru; Ohshiro, Katsuhiko; and Kasugai, Ichiro, 4,886,436, Cl. 418-100.000.

Ohshiro, Susumu; Senuma, Masaru; and Wagatsuma, Mitsuyoshi, to Tanabe Seiyaku Co., Ltd. Stable hydrate of penicillin derivative. 4,866,170, 9-12-89, Cl. 540-335.000.

Ohshita, Koichi, to Nikon Corporation. Photo-taking lens for underwater camera. 4,856,880, 8-15-89, Cl. 350-418.000.

Ohshita, Takahiro; Higo, Tsutomu; Kosugi, Shigeru; Inumaru, Naoki; and Kawaguchi, Hajime, to Ebara Corporation. Thermal reactor. 4,823,740, 4-25-89, Cl. 122-4.00D.

Ohshita, Yoshihiro: *See—*

Hozumi, Toyoharu; and Ohshita, Yoshihiro, 4,818,623, Cl. 428-447.000.

Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, to Hitachi, Ltd. Switch operation monitoring apparatus. 4,864,286, 9-5-89, Cl. 340-644.000.

Ohshita, Youichi: *See—*

Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, 4,865,709, Cl. 204-192.120.

Ohsima, Ken: *See—*

Okada, Hiroo; Ikeda, Yoshiaki; and Ohsima, Ken, 4,837,757, Cl. 369-44.000.

Ohsono, Kohei; and Iwatsuka, Yoshihisa, to Honda Giken Kogyo Kabushiki Kaisha. Stepless transmission control device. 4,795,407, 1-3-89, Cl. 474-28.000.

Ohst, Holger; Podszun, Wolfgang; Suling, Carlhans; Goossens, John; and Penners, Gunther, to Bayer Aktiengesellschaft. Copolymer made from n-vinylamides and perfluoroalkyl group-containing, ethylenically unsaturated compounds, a process for their preparation, and their use. 4,840,989, 6-20-89, Cl. 524-544.000.

Ohsuga, Minoru; and Oyama, Yoshishige, to Hitachi, Ltd. Method for detecting air-fuel ratio. 4,814,045, 3-21-89, Cl. 204-1.00T.

Ohsuga, Minoru; and Ohyama, Yoshishige, to Hitachi, Ltd. Method and apparatus for measuring the quantity of intake air based on the temperature variation caused by heat dissipation. 4,850,219, 7-25-89, Cl. 73-118.200.

Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, to Nippon Paint Co., Ltd. Polymerizable monomer containing silicons and preparation thereof. 4,888,406, 12-19-89, Cl. 528-32.000.

Ohsumi, Hideki, to Yazaki Corporation. Connector with connection check device. 4,871,323, 10-3-89, Cl. 439-188.000.

Ohsumi, Katsumi: *See—*

Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.

Honda, Takashi; Furutani, Yasumasa; Ohashi, Kenya; Kashimura, Eiji; Minato, Akira; Ohsumi, Katsumi; and Itou, Hisao, 4,828,790, Cl. 376-306.000.

Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.

Ohashi, Kenya; Honda, Takashi; Furutani, Yasumasa; Kashimura, Eizi; Minato, Akira; and Ohsumi, Katsumi, 4,820,473, Cl. 376-305.000.

Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, to Sumitomo Chemical

Company, Limited. Thiazoles and pyrazoles as fungicides. 4,837,242, 6-6-89, Cl. 514-365.000.
Ohsumi, Tadashi: *See—*
Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.
Ohta, Atsuo: *See—*
Hirosawa, Hiroaki; Ohta, Atsuo; and Sato, Morio, 4,827,148, Cl. 290-38.00R.
Ohta, Eiichi: *See—*
Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, 4,836,034, Cl. 73-862.040.
Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
Ohta, Hajime: *See—*
Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
Ohta, Haruo, to Matsushita Electric Industrial Co., Ltd. Noise reduction apparatus for video signal. 4,825,289, 4-25-89, Cl. 358-167.000.
Ohta, Haruo; and Tomita, Masao, to Matsushita Electric Industrial Co., Ltd. Video signal processing apparatus for removing noise from reproduced signals. 4,827,342, 5-2-89, Cl. 358-167.000.
Ohta, Haruo, to Matsushita Electric Industrial Co., Ltd. Digital non-linear pre-emphasis/de-emphasis apparatus for eliminating noise components from video signals in a video signal processing system. 4,849,826, 7-18-89, Cl. 358-336.000.
Ohta, Hatsuo: *See—*
Katsuragi, Yoshio; and Ohta, Hatsuo, 4,808,896, Cl. 318-436.000.
Ohta, Hideaki: *See—*
Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Naoshi; and Sekine, Kiyoshi, 4,848,678, Cl. 241-65.000.
Ohta, Hideji: *See—*
Yoshida, Kazuhiro; and Ohta, Hideji, 4,862,706, Cl. 62-347.000.
Ohta, Hirofumi: *See—*
Maeda, Tetsuo; Ohta, Hirofumi; and Inazumi, Hirokuni, 4,860,183, Cl. 363-12.000.
Ohta, Hirokata: *See—*
Kinugasa, Masanori; Tanaka, Fuminari; Shigehara, Hiroshi; and Ohta, Hirokata, 4,821,084, Cl. 357-45.000.
Ohta, Hiroki: *See—*
Matsumoto, Susumu; Ohta, Hiroki; Yamada, Masahiro; Higashino, Yoshiaki; and Fukuchi, Toshiki, 4,877,804, Cl. 514-342.000.
Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, to Asahi Glass Company Ltd. Process for producing silica glass fibers. 4,838,914, 6-13-89, Cl. 65-2.000.
Ohta, Hiroyuki; Yoshida, Naoki; and Goto, Hideo, to Nippon Scientific Co., Ltd.; and Kusumoto Chemicals Co., Ltd. Plastic mold decapsuling apparatus. 4,822,441, 4-18-89, Cl. 156-345.000.
Ohta, Hisatoshi: *See—*
Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
Ohta, Hitoshi: *See—*
Kashiwadani, Nobuo; and Ohta, Hitoshi, 4,836,980, Cl. 419-36.000.
Ohta, Ikumi. Drainage plug. 4,860,390, 8-29-89, Cl. 4-295.000.
Ohta, Jiro; Tozawa, Sadamu; Matsushita, Koichi; and Maruyama, Yutaka, to Canon Kabushiki Kaisha. Static pressure gas bearing assembly. 4,838,710, 6-13-89, Cl. 384-100.000.
Ohta, Jouji: *See—*
Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
Ohta, Jun: *See—*
Kojima, Keisuke; Kyuma, Kazuo; Noda, Susumu; Kameya, Masaaki; Ohta, Jun; and Hammanaka, Koichi, 4,888,783, Cl. 372-44.000.
Ohta, Katsuichi: *See—*
Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, 4,822,705, Cl. 430-60.000.
Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, 4,863,822, Cl. 430-58.000.
Ohta, Kazuhiro: *See—*
Ikeda, Hayato; Tsuzuki, Isao; and Ohta, Kazuhiro, 4,813,852, Cl. 417-269.000.
Ikeda, Hayato; Ohta, Kazuhiro; and Kawamura, Hisato, 4,880,361, Cl. 417-269.000.
Ohta, Kazuo: *See—*
Takahashi, Toshitada; Ueda, Ryuzo; and Ohta, Kazuo, 4,855,235, Cl. 435-240.270.
Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, to Sharp Kabushiki Kaisha. Optical memory element. 4,818,648, 4-4-89, Cl. 430-17.000.
Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, to Sharp Kabushiki Kaisha. Photo-mask for use in manufacturing an optical memory disc, a method for making the photo-mask and a method for manufacturing the optical memory disc. 4,839,251, 6-13-89, Cl. 430-5.000.
Ohta, Kenji: *See—*
Deguchi, Toshihisa; Fujii, Yoshikazu; Inui, Tetsuya; Ohta, Kenji; and Katoh, Schohichi, 4,881,216, Cl. 369-54.000.
Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, 4,858,212, Cl. 369-13.000.
Ohta, Kimihiro; Nakagawa, Tadashi; Kojima, Takeshi; Sakamoto, Tsunenori; and Kawai, Naoyuki, to Agency of Industrial Science and Technology. Method for controlling the thickness of a thin crystal film. 4,855,013, 8-8-89, Cl. 156-601.000.
Ohta, Kiyoto: *See—*
Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Maeyama, Yoshikazu, 4,796,224, Cl. 365-51.000.
Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Sakagami, Masahiko, 4,821,299, Cl. 377-69.000.
Nishimoto, Toshio; Kawai, Hideki; Fujii, Masaru; and Ohta, Kiyoto, 4,845,670, Cl. 365-78.000.
Ohta, Kousaku: *See—*
Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.
Ohta, Masafumi: *See—*
Fukagai, Toshio; Kimura, Michio; Ohta, Masafumi; and Hashimoto, Mitsuru, 4,830,942, Cl. 430-58.000.
Ohta, Masahiko, to Seiko Instruments Inc. Thin film display device with thin amorphous channel. 4,885,616, 12-5-89, Cl. 357-23.700.
Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Inc. Polyimide and high-temperature adhesive of polyimide from meta substituted phenoxy diamines. 4,847,349, 7-11-89, Cl. 528-125.000.
Ohta, Masahiro; Kawashima, Saburo; Snobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Inc. Flexible copper-clad circuit substrate. 4,883,718, 11-28-89, Cl. 428-458.000.
Ohta, Masahiro: *See—*
Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, 4,839,232, Cl. 428-473.500.
Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.
Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.
Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,803,258, Cl. 528-211.000.
Yamaya, Norimasa; Koga, Nobuhito; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,831,102, Cl. 528-170.000.
Ohta, Masakatsu; and Itoi, Masaaki, to Idemitsu Kosan Co., Ltd. Nozzle for melt spinning of pitch and method for spinning pitch. 4,887,957, 12-19-89, Cl. 425-72.200.
Ohta, Masaki: *See—*
Suzuki, Shinichi; Hibino, Soukichi; Hamaoka, Takahiro; and Ohta, Masaki, 4,880,356, Cl. 417-53.000.
Ohta, Masaru: *See—*
Komori, Keiji; Ohta, Masaru; Sawada, Takashi; and Matsuo, Masaaki, 4,835,576, Cl. 355-40.000.
Ohta, Masashi: *See—*
Inoue, Hideo; Ohta, Masashi; and Sugitani, Tatsuo, 4,848,852, Cl. 303-100.000.
Ohta, Masaya: *See—*
Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.
Ohta, Midori, to Kabushiki Kaisya Advance. Material for endermic administration pre-treatment. 4,883,668, 11-28-89, Cl. 424-448.000.
Ohta, Minemasa; Suzuki, Kenji; Fukuoka, Satoru; Takishita, Toshihiko; and Hayashi, Tuyoshi, to Pioneer Electronic Corp.; and Pioneer Video Corporation. Optical disk manufacturing method. 4,837,130, 6-6-89, Cl. 430-321.000.
Ohta, Minemasa: *See—*
Kobayashi, Masaki; and Ohta, Minemasa, 4,888,491, Cl. 250-561.000.
Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; and Hattori, Tadashi, to Nippon Soken, Inc. Flow measuring apparatus. 4,833,912, 5-30-89, Cl. 73-118.200.
Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, to Nippon Soken, Inc. Direct-heated flow measuring apparatus having improved sensitivity response speed. 4,843,882, 7-4-89, Cl. 73-204.260.
Ohta, Minoru; Miura, Kazuhiko; Huzino, Seizi; Kanehara, Kenji; and Hattori, Tadashi, to Nippon Soken, Inc. Direct-heated flow measuring apparatus having improved response characteristics. 4,870,860, 10-3-89, Cl. 73-204.260.
Ohta, Minoru: *See—*
Ikemoto, Shigeru; and Ohta, Minoru, 4,820,087, Cl. 408-9.000.
Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, 4,819,057, Cl. 357-4.000.
Ohta, Morio; and Inoue, Hideaki, to Casio Computer Co., Ltd.; and Casio Electronics Manufacturing Co., Ltd. Waveform generating apparatus for driving liquid crystal device. 4,819,186, 4-4-89, Cl. 364-519.000.
Ohta, Mutsumi: *See—*
Hatori, Yoshinori; Kato, Yoichi; Ohta, Mutsumi; and Kosugi, Yasuhiro, 4,837,618, Cl. 358-135.000.
Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, to Suntory Limited; and Kansai Chemical Engineering Co., Ltd. Method and apparatus for tartars separation. 4,798,131, 1-17-89, Cl. 99-277.200.
Ohta, Naoto: *See—*
Shiokama, Yoshiharu; Ohta, Naoto; Okano, Hiroshi; and Inadome, Kiyotaka, 4,806,000, Cl. 350-430.000.

Ohta, Noboru; Takahashi, Koji; Suzuki, Tsuneo; and Tsugita, Makoto, to Fuji Photo Film Co., Ltd. Method for converting color picture signals. 4,796,086, 1-3-89, Cl. 358-80.000.
Ohta, Noboru; Takahashi, Koju; and Suzuki, Tsuneo, to Fuji Photo Film Co., Ltd. Method for dividing density range of component dyes in color hard copy. 4,872,034, 10-3-89, Cl. 355-77.000.
Ohta, Norio: *See—*
Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, Cl. 51-165.710.
Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.
Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
Susa, Kenzo; Takagi, Kazumasa; Kobayashi, Toshio; Takayama, Takanobu; and Ohta, Norio, 4,876,144, Cl. 428-336.000.
Ohta, Ryuji: *See—*
Uyama, Shintaro; and Ohta, Ryuji, 4,807,521, Cl. 92-169.00R.
Uyama, Shintaro; Ohta, Ryuji; and Inoue, Yoshimichi, 4,846,047, Cl. 91-369.400.
Ohta, Saburo: *See—*
Isaka, Tsutomu; and Ohta, Saburo, 4,876,146, Cl. 428-347.000.
Ohta, Satoshi; Tanagawa, Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, to Oki Electric Industry Co., Ltd.; and Toa Nenryo Kogyo Kabushiki Kaisha. IC card with a solar battery. 4,812,634, 3-14-89, Cl. 235-492.000.
Ohta, Satoshi; and Tanagawa, Kouzi, to Oki Electric Industry Co., Ltd. IC card. 4,843,224, 6-27-89, Cl. 235-487.000.
Ohta, Shigenori: *See—*
Inoue, Seijiro; Ohta, Shigenori; and Egi, Makoto, 4,847,108, Cl. 426-653.000.
Ohta, Shinichi, to Canon Kabushiki Kaisha. Image recording apparatus for producing a plurality of pulse width modulated signals on the basis of image data. 4,873,537, 10-10-89, Cl. 346-108.000.
Ohta, Shinichi: *See—*
Kawamura, Naoto; Kitamura, Takashi; Ohta, Shinichi; and Nishigaki, Yuji, 4,864,326, Cl. 346-108.000.
Ohta, Susumu: *See—*
Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, 4,853,567, Cl. 310-67.00R.
Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
Ohta, Tadashi: *See—*
Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, 4,819,161, Cl. 364-300.000.
Ohta, Takahiro: *See—*
Nakayama, Yoshiaki; and Ohta, Takahiro, 4,829,388, Cl. 360-35.100.
Takahashi, Isao; and Ohta, Takahiro, 4,802,017, Cl. 358-335.000.
Ohta, Takanori: *See—*
Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, 4,831,349, Cl. 335-186.000.
Ohta, Takashi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Switch. 4,855,540, 8-8-89, Cl. 200-5.00E.
Ohta, Takashi; and Kariya, Mikio, to NGK Insulators, Ltd. Reinforcing members for connecting optical fibers and production thereof. 4,865,414, 9-12-89, Cl. 350-96.210.
Ohta, Takashi; and Suzuki, Akira, to Kabushiki Kaisha Tokai Denki Seisakusho. Multiple switch assembly with interlock and lock release member. 4,868,353, 9-19-89, Cl. 200-5.00B.
Ohta, Takeo; Nakamura, Tatsushi; and Tanigawa, Shizuhiko, to Matsushita Electric Industrial Co., Ltd. Optical information recording and reproducing disc employing a film having thermally changeable optical characteristics. 4,852,076, 7-25-89, Cl. 369-275.000.
Ohta, Takeshi; Kamiya, Yoji; Nakashima, Kunimichi; and Taniguchi, Mitsuyoshi, to Toyoda Koki Kabushiki Kaisha. Pallet exchange apparatus. 4,797,052, 1-10-89, Cl. 414-744.300.
Ohta, Tatsuo; Watanabe, Hideo; and Inaba, Mayumi, to Konishiroku Photo Industry Co., Ltd. Conductive laminate. 4,835,061, 5-30-89, Cl. 428-469.000.
Ohta, Teruo, to Sony Corporation. Disk cartridge. 4,888,761, 12-19-89, Cl. 369-291.000.
Ohta, Terutada: *See—*
Miyoshi, Masazumi; Isayama, Muneo; Midorikawa, Shoichi; and Ohta, Terutada, 4,836,421, Cl. 222-166.000.
Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, to Canon Kabushiki Kaisha; and Mitsubishi Chemical Industries Limited. Amino sulfonaphtholtrisazo compounds and recording liquids containing the same. 4,841,037, 6-20-89, Cl. 534-815.000.
Ohta, Tomihisa: *See—*
Nozoe, Shigeo; and Ohta, Tomihisa, 4,876,383, Cl. 560-163.000.
Ohta, Tomio: *See—*
Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,886,822, Cl. 514-357.000.
Ohta, Tomozo: *See—*
Higashi, Kazutada; Tokuda, Masamori; Nakano, Hiroshi; and Ohta, Tomozo, 4,890,076, Cl. 332-170.000.
Ohta, Toshihiko; Okada, Fujio; and Hayashi, Masahiro, to Toyo Boseki Kabushiki Kaisha. Drawn polyethylene filament tensile member. 4,800,121, 1-24-89, Cl. 428-364.000.
Ohta, Toshihiko; Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, to Kabushiki Kaisha Toshiba. Data card with inductive signal transfer device. 4,818,853, 4-4-89, Cl. 235-492.000.
Ohta, Toshihiko; and Izawa, Fumio, to Kabushiki Kaisha Toshiba. Thin-film electromagnetic transducer. 4,825,056, 4-25-89, Cl. 235-449.000.
Ohta, Toshihiko: *See—*
Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.
Okada, Fujio; and Ohta, Toshihiko, 4,824,619, Cl. 264-40.100.
Ohta, Wasaburo; Katuragawa, Tadao; and Kinoshita, Mikio, to Ricoh Company, Ltd. Thin film forming apparatus. 4,854,265, 8-8-89, Cl. 118-723.000.
Ohta, Wasaburo: *See—*
Kinoshita, Mikio; Ohta, Wasaburo; and Miyabori, Toru, 4,876,984, Cl. 118-723.000.
Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
Ohta, Yasuhiko: *See—*
Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, to Fuji Photo Film Co., Ltd. Sheet feed mechanism and method of controlling the same in light beam scanning apparatus. 4,831,461, 5-16-89, Cl. 358-296.000.
Ohta, Yasuo: *See—*
Urushizaki, Sueo; Ohta, Yasuo; Sato, Mamoru; Sakai: Fukumi; and Nishiyama, Koushi, 4,877,730, Cl. 435-132.000.
Ohta, Yoshiharu: *See—*
Kawai, Tomoji; Satoh, Hisao; and Ohta, Yoshiharu, 4,863,608, Cl. 210-638.000.
Ohta, Yoshihiro: *See—*
Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Takashi; Ishikawa, Hiroyuki; and Konishi, Satoru, 4,857,365, Cl. 427-297.000.
Ohta, Yoshiji: *See—*
Azuma, Daisuke; Ohta, Yoshiji; and Tanaka, Shinichi, 4,888,631, Cl. 357-23.600.
Ohta, Yoshinori, to Olympus Optical Co., Ltd. Static induction transistor and manufacturing method of the same. 4,889,826, 12-26-89, Cl. 437-40.000.
Ohta, Yoshiyuki; and Kihara, Taku, to Sony Corporation. Digital limiting circuit. 4,875,044, 10-17-89, Cl. 341-87.000.
Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method for the surface treatment of an iron or iron alloy article. 4,804,445, 2-14-89, Cl. 204-39.000.
Ohta, Yukio: *See—*
Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.
Kato, Tetsuo; Sueyoshi, Tadahiro; Tsuji, Masanori; and Ohta, Yukio, 4,867,712, Cl. 439-752.000.
Kikuchi, Hiroshi; Watanabe, Shyoichi; and Ohta, Yukio, 4,830,527, Cl. 400-637.200.
Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.
Ohtagaki, Shigeki: *See—*
Harara, Mitsuhiko; Takizawa, Shozo; Tanaka, Tadao; Wada, Shunichi; and Ohtagaki, Shigeki, 4,887,840, Cl. 280-707.000.
Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, 4,803,630, Cl. 364-424.050.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.
Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, to Kanebo, Ltd. Piperazine compounds and anti-ulcer composition containing the same. 4,797,400, 1-10-89, Cl. 514-255.000.
Ohtaka, Hiroshi: *See—*
Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.
Ohtaka, Kazuto: *See—*
Yamade, Kenichi; Nakashima, Sukeyoshi; Inaba, Shigemitsu; and Ohtaka, Kazuto, 4,878,853, Cl. 439-144.000.
Ohtaka, Keiji: *See—*
Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.
Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,812,869, Cl. 354-408.000.

- Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,833,313, Cl. 250-201.000.
- Koyama, Takeshi; and Ohtaka, Keiji, 4,801,963, Cl. 354-403.000.
- Koyama, Takeshi; and Ohtaka, Keiji, 4,841,326, Cl. 354-406.000.
- Koyama, Takeshi; and Ohtaka, Keiji, 4,849,782, Cl. 354-408.000.
- Koyama, Takeshi; Ohtaka, Keiji; and Suda, Yasuo, 4,878,078, Cl. 354-402.000.
- Suda, Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, 4,825,239, Cl. 354-402.000.
- Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, 4,859,842, Cl. 250-201.000.

Ohtaka, Michihiro: *See—*
- Ueda, Shinichi; Ohtaka, Michihiro; and Nakayama, Yoshiaki, 4,831,278, Cl. 307-10.100.

Ohtaka, Shigeo: *See—*
- Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.

Ohtaka, Tadashi, to Hitachi, Ltd. Objective lens of an electron beam apparatus. 4,866,280, 9-12-89, Cl. 250-442.100.

Ohtaka, Tohru: *See—*
- Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, 4,844,604, Cl. 350-96.240.

Ohtaka, Yoshimitsu, to Tokyo Electric Co., Ltd. Valve element and process of producing the same. 4,821,999, 4-18-89, Cl. 251-129.020

Ohtaka, Yoshimitsu, to Tokyo Electric Co., Ltd. Printing device. 4,864,325, 9-5-89, Cl. 346-75.000.

Ohtaka, Yoshimitsu, to Tokyo Electric Co., Ltd. Process of producing a valve element. 4,885,830, 12-12-89, Cl. 29-157.00C.

Ohtake, Etsuo; Yamaki, Kaoru; and Kuroda, Takayuki, to Daicel Chemical Industries, Ltd. Process for producing a thin resin film. 4,878,973, 11-7-89, Cl. 156-85.000.

Ohtake, Hideaki: *See—*
- Watanabe, Kiyoshi; Takeuchi, Tohru; Ohtake, Hideaki; and Fujita, Ichiro, 4,816,424, Cl. 437-190.000.

Ohtake, Hiroshi, to Copal Electronics Co., Ltd. Fishing reel. 4,832,277, 5-23-89, Cl. 242-84.10A.

Ohtake, Hisao; and Yamamoto, Kazushige, to Oki Electric Industry Co., Ltd. Analog front-end circuit for full-duplex communication. 4,852,080, 7-25-89, Cl. 370-30.000.

Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, to Hitachi, Ltd. Composite tracking servo system for optical disc apparatus with track offset correction. 4,866,688, 9-12-89, Cl. 369-44.000.

Ohtake, Masatoshi: *See—*
- Takasugi, Wasao; Yonezawa, Seiji; Tsuyoshi, Toshiaki; and Ohtake, Masatoshi, 4,847,822, Cl. 369-44.000.
- Tsuyoshi, Toshiaki; Ohtake, Masatoshi; Takasugi, Wasao; and Yonezawa, Seiji, 4,872,152, Cl. 369-44.000.

Ohtake, Michiko: *See—*
- Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Ohtake, Nobumasa: *See—*
- Akutsu, Yoshinori; Nakano, Takaharu; Saho, Takahiro; Ohtake, Nobumasa; Yasuda, Hirofumi; and Kimura, Tamio, 4,839,443, Cl. 525-474.000.
- Yashuda, Hirofumi; Saho, Takahiro; Ohtake, Nobumasa; and Nakano, Takaharu, 4,822,850, Cl. 528-28.000.

Ohtake, Nobumitsu; and Kaneshima, Tokitaka, to Asahi Kasei Kogyo Kabushiki Kaisha. Additive for the hydroconversion of a heavy hydrocarbon oil. 4,863,887, 9-5-89, Cl. 502-150.000.

Ohtake, Yasuhisa: *See—*
- Higashinakagawa, Emiko; Inaba, Michihiko; Ohtake, Yasuhisa; and Kanto, Masaharu, 4,827,178, Cl. 313-402.000.
- Higashinakagawa, Emiko; Ohtake, Yasuhisa; Kanto, Masaharu; and Mori, Fumio, 4,846,747, Cl. 445-47.000.

Ohtake, Yoshichi, to Victor Company of Japan, Ltd. Drive control of zoom lens in zooming system. 4,840,470, 6-20-89, Cl. 350-429.000.

Ohtaki, Hiroshi: *See—*
- Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.

Ohtaki, Kazumi: *See—*
- Tomita, Masami; Nomura, Yoshihiro; Ide, Noriaki; and Ohtaki, Kazumi, 4,888,263, Cl. 430-106.000.

Ohtani, Akio: *See—*
- Sekine, Kiyoshi; and Ohtani, Akio, 4,806,950, Cl. 346-76.0PH.

Ohtani, Akira; Abe, Masao; and Higuchi, Hiroyuki, to Nitto Electric Industrial Co., Ltd. Conducting organic polymer battery. 4,869,979, 9-26-89, Cl. 429-191.000.

Ohtani, Go: *See—*
- Ogawa, Katayasu; Ohtani, Go; Yokota, Shoji; and Aruga, Masayoshi, 4,880,823, Cl. 514-356.000.

Ohtani, Hichiro: *See—*
- Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.

Ohtani, Hichirou: *See—*
- Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.

Ohtani, Hitoshi: *See—*
- Murai, Shunji; Ohtomo, Fumio; and Ohtani, Hitoshi, 4,858,157, Cl. 364-560.000.

Ohtani, Ikuji; Watanabe, Akihiro; Wada, Akihiro; and Kakuta, Rin-ichi, to Asahi Kasei Kogyo Kabushiki Kaisha. Random copolymer containing hexagonal imide units, a process for producing the same, and an optical disc substrate made of the random copolymer. 4,820,77 4-11-89, Cl. 525-329.900.

Ohtani, Junji; Sano, Eiichi; and Kohri, Toshitaro, to Minolta Camera Kabushiki Kaisha. Binder-type carrier suitable for a developing method of electrostatic latent images. 4,822,709, 4-18-89, Cl. 430-106.600.

Ohtani, Junji; Machida, Junji; Sano, Eiichi; and Masuda, Fumio, to Minolta Camera Kabushiki Kaisha. Carrier for electrophotography. 4,801,693, 8-29-89, Cl. 430-106.600.

Ohtani, Junji: *See—*
- Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohri, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.
- Sano, Eiichi; Ohtani, Junji; and Kohri, Toshitaro, 4,847,176, Cl. 430-106.600.

Ohtani, Kazuo, to Canon Kabushiki Kaisha. Image recording apparatus for recording a selected portion of an original image. 4,839,696, 6-13-89, Cl. 355-218.000.

Ohtani, Kazuo: *See—*
- Shibata, Jouji; Ohtani, Kazuo; Shinohara, Norio; and Hanyuda, Toshiaki, 4,853,279, Cl. 428-267.000.

Ohtani, Keizo: *See—*
- Kawachi, Junji; Awa, Shunichiro; and Ohtani, Keizo, 4,841,776, Cl. 73-706.000.

Ohtani, Kenichi: *See—*
- Nishiyama, Hidemi; and Ohtani, Kenichi, 4,886,848, Cl. 524-109.000.
- Shiromatsu, Eiji; and Ohtani, Kenichi, 4,814,130, Cl. 264-83.000.

Ohtani, Mitsuaki: *See—*
- Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.

Ohtani, Shigeki; and Suzuoki, Kazuhiro, to Ciba-Geigy Corp.; and Asahi Kasei Kogyo Kabushiki Kaisha. Single tow prepreg. 4,818,611, 4-4-89, Cl. 428-396.000.

Ohtani, Shigeko: *See—*
- Miyatake, Takafumi; Matsushima, Hitoshi; Ohtani, Shigeko; and Higashino, Junichi, 4,803,477, Cl. 340-747.000.

Ohtani, Shoji; Muroi, Yoshiyuki; and Tsushima, Rikio, to Kao Corporation. Process for preparing particles of olefin-maleic anhydride copolyer. 4,795,792, 1-3-89, Cl. 526-201.000.

Ohtani, Shoji; Sato, Yukiya; Takemura, Kazunari; and Tsushima, Rikio, to Kao Corporation. Electrographic toner and process for preparation thereof. 4,868,086, 9-19-89, Cl. 430-137.000.

Ohtani, Sumio: *See—*
- Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; and Moriya, Ikuro, 4,871,456, Cl. 210-321.840.
- Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
- Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, 4,840,733, Cl. 210-500.410.

Ohtani, Takahide: *See—*
- Inoue, Kenichi; and Ohtani, Takahide, 4,864,449, Cl. 360-132.000.

Ohtani, Takayuki: *See—*
- Hayakawa, Shigeyuki; Isobe, Mitsuo; and Ohtani, Takayuki, 4,882,708, Cl. 365-189.040.
- Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Ohtani, Takayuki; and Isobe, Mitsuo, 4,813,022, Cl. 365-203.000.
- Matsui, Masataka; and Ohtani, Takayuki, 4,815,040, Cl. 365-203.000.
- Tsujimoto, Jun-ichi; Matsui, Masataka; Iwai, Hiroshi; and Ohtani, Takayuki, 4,881,202, Cl. 365-200.000.

Ohtani, Tamio: *See—*
- Saitoh, Kunio; Ohtani, Tamio; and Kanaya, Yasuhiko, 4,867,29 Cl. 198-346.200.

Ohtani, Toshio: *See—*
- Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.
- Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.

Ohtani, Yasuhisa: *See—*
- Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Nagasawa, Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Soichi, 4,826,818, Cl. 514-21.000.

Ohtani, Yoshiaki: *See—*
- Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akihara, Isao, 4,839,458, Cl. 528-196.000.

Ohtani, Yoshihiro: *See—*
- Kobayashi, Hisataka; Araki, Fujio; and Ohtani, Yoshihiro, 4,890,057, Cl. 324-140.00D.

Ohtani, Yukio, to Yazaki Corporation. Liquid level indicator. 4,825,6 5-2-89, Cl. 73-290.00R.

Ohtani, Yukio; and Sato, Yoshitake, to Yazaki Corporation. Liquid level indicator. 4,870,861, 10-3-89, Cl. 73-317.000.

Ohtani, Yuzo; and Ueda, Sachio, to Sony Corporation. Cassette tape recording and/or reproducing apparatus and casettes for use therein. 4,805,060, 2-14-89, Cl. 360-132.000.

Ohtawara, Isao; and Ohgochi, Satoshi, to Sanyo Electric Co., Ltd. Automatic telephone answering apparatus. 4,856,051, 8-8-89, Cl. 379-88.000.

Ohtawara, Isao: *See—*
- Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,802,202, Cl. 379-67.000.
- Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,817,133, Cl. 379-199.000.

Ohte, Akira: *See—*
- Akiyama, Koji; Ohte, Akira; and Iwaoka, Hideto, 4,833,681, Cl. 372-32.000.
- Iwaoka, Hideto; Ohte, Akira; and Akiyama, Koji, 4,856,899, Cl. 356-346.000.

Ohto, Masao: *See—*
- Tanaka, Masataka; Ohto, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, 4,846,799, Cl. 604-158.000.

Ohto, Takeshi: *See—*
- Kitagaki, Kazukuni; and Ohto, Takeshi, 4,858,004, Cl. 358-133.000.

Ohtola, Victoria L.: *See—*
- Cornell, Lorne T.; Sisto, Eugene; Ohtola, Victoria L.; and Kenney, Lawrence P., 4,811,839, Cl. 206-303.000.

Ohtomi, Koichi, to Kabushiki Kaisha Toshiba. Device for measuring recirculating flow rate in a nuclear reactor. 4,842,806, 6-27-89, Cl. 376-247.000.

Ohtomo, Fumio; and Otani, Hitoshi, to Tokyo Kogaku Kikai Kabushiki Kaisha. Method and apparatus for measuring coordinates. 4,803,645, 2-7-89, Cl. 364-560.000.

Ohtomo, Fumio: *See—*
- Matsui, Mizuo; Ohtomo, Fumio; Sato, Koji; and Takahashi, Yoshihiro, 4,820,264, Cl. 604-21.000.
- Murai, Shunji; Ohtomo, Fumio; and Ohtani, Hitoshi, 4,858,157, Cl. 364-560.000.

Ohtomo, Hideo: *See—*
- Kuwata, Tamotsu; and Ohtomo, Hideo, 4,834,994, Cl. 426-271.000.

Ohtomo, Junichi, to Kabushiki Kaisha Toshiba. Optical information storage apparatus. 4,825,419, 4-25-89, Cl. 365-218.000.

Ohtomo, Kazumi: *See—*
- Okuda, Kiyoshi; Okada, Kiyonori; Ohtomo, Kazumi; and Nakata, Keiko, 4,846,801, Cl. 604-218.000.

Ohtomo, Nobuya: *See—*
- Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, 4,839,277, Cl. 435-7.000.

Ohtomo, Ryosuke: *See—*
- Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.

Ohtomo, Toshio: *See—*
- Sasaki, Migaku; Koike, Eiji; Ohtomo, Toshio; and Hirose, Jun, 4,796,605, Cl. 600-22.000.

Ohtomo, Yoshitaka: *See—*
- Funatsu, Takenori; Hayashi, Mikio; and Ohtomo, Yoshitaka, 4,810,302, Cl. 106-402.000.

Ohtorii, Masakzu: *See—*
- Kawai, Kenji; Ohtorii, Masakzu; Ueyama, Tsutomu; and Yoshida, Takumi, 4,847,634, Cl. 346-136.000.

Ohtoshi, Tsukuru; Uomi, Kazuhisa; Fukuzawa, Tadashi; and Chinone, Naoki, to Hitachi, Ltd. Semiconductor device having a quantum wire and a method of producing the same. 4,835,578, 5-30-89, Cl. 357-4.000.

Ohtoshi, Tsukuru: *See—*
- Chinone, Naoki; Uomi, Kazuhisa; Fukuzawa, Tadashi; Matsueda, Hideaki; Kajimura, Takashi; and Ohtoshi, Tsukuru, 4,881,235, Cl. 372-45.000.

Ohtsu, Eiichi, to Hitachi, Ltd. Air-conditioning apparatus for automobiles. 4,877,081, 10-31-89, Cl. 165-30.000.

Ohtsu, Eiichi: *See—*
- Okada, Tsugihiro; Ohtsu, Eiichi; and Yokoyama, Tetsuho, 4,865,119, Cl. 165-16.000.

Ohtsu, Hideaki: *See—*
- Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.

Ohtsu, Hiroshi: *See—*
- Ogawa, Toshio; Fujii, Mituru; Asai, Tadamichi; Ikegami, Akira; Ohtsu, Hiroshi; and Ato, Kazuhiko, 4,873,022, Cl. 428-209.000.

Ohtsu, Masamitsu; and Taniguchi, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Recording and/or reproducing apparatus with photo-electric image device. 4,884,151, 11-28-89, Cl. 358-330.000.

Ohtsu, Masamitsu: *See—*
- Shimeki, Yasuharu; Matsushima, Hiroshi; Ohtsu, Masamitsu; and Kihara, Nobuyoshi, 4,809,087, Cl. 360-19.100.

Ohtsu, Norio: *See—*
- Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.
- Kawamura, Hirotaka; Ohtsu, Norio; and Utiumi, Shinichiro, 4,889,943, Cl. 558-71.000.

Ohtsu, Seiichi, to Kabushiki Kaisha Toshiba. Heat exchanger. 4,842,055, 6-27-89, Cl. 165-174.000.

Ohtsu, Shinji; Arai, Shunji; and Takamatsu, Yoshimitsu, to Denki Onkyo Co., Ltd. Saturable reactor for use in self-convergence system to deflection yoke. 4,833,432, 5-23-89, Cl. 335-212.000.

Ohtsu, Shinji; and Yabushita, Haruyasu, to Denki Onkyo Co., Ltd. Deflection yoke apparatus with means for reducing unwanted radiation. 4,853,588, 9-1-89, Cl. 313-440.000.

Ohtsu Tire & Rubber Co., Ltd., The: *See—*
- Shinomiya, Masami, 4,881,586, Cl. 152-209.00B.
- Ueda, Minoru; and Kimoto, Hiroshi, 4,849,265, Cl. 428-40.000.
- Umemoto, Hitoo; and Wakatsuki, Tomio, 4,800,943, Cl. 157-1.170.

Ohtsu, Yutaka: *See—*
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.

Ohtsubo, Hiroyasu: *See—*
- Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okumoto, Kaneyuki, 4,855,812, Cl. 358-22.000.

Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, to Sumitomo Chemical Company, Ltd. Microencapsulated organophosphorus insecticidal composition for agricultural use. 4,889,719, 12-26-89, Cl. 424-408.000.

Ohtsubo, Yasuo: *See—*
- Kubo, Masahiro; and Ohtsubo, Yasuo, 4,866,553, Cl. 360-103.000.

Ohtsubo, Yoshiaki: *See—*
- Amanuma, Tatuo; Ishizuki, Kenji; and Ohtsubo, Yoshiaki, 4,796,044, Cl. 354-403.000.

Ohtsuchi, Tetsuro: *See—*
- Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, 4,883,967, Cl. 250-370.010.

Ohtsuka, Akinori; Kurita, Hitoshi, and Fujii, Yasutel, to Matsushita Electric Industrial Co., Ltd. Key input device. 4,872,008, 10-3-89, Cl. 341-26.000.

Ohtsuka, Akira; Goto, Tomoji; and Ida, Masao, to Sumitomo Electric Industries, Ltd.; and Nippon Telegraph and Telephone Corporation. Integrated circuit package. 4,879,588, 11-7-89, Cl. 357-68.000.

Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, to Daiichi Denshi Kogyo Kabushiki Kaisha; Iwatsu Electric Co., Ltd.; and Tomei Tsushin Kogyo Co., Ltd. Miniature electrical connector. 4,854,889, 8-8-89, Cl. 439-395.000.

Ohtsuka, Hiroshi; Itoh, Yoshio; Nishimuro, Tadashi; and Mitsutomi, Hisamitsu, to Oki Electric Industry Co., Ltd. Alignment marks on semiconductor wafers and method of manufacturing the marks. 4,824,254, 4-25-89, Cl. 356-401.000.

Ohtsuka, Issei: *See—*
- Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.

Ohtsuka, Katsuyuki; and Takahashi, Yoshiharu, to Doryokuro Kakunenryo Kaihatsu Jigyodan. Method of treatment of radioactive liquid waste. 4,844,838, 7-4-89, Cl. 252-629.000.

Ohtsuka, Kuniaki; and Nishikawa, Shigeru, to Canon Kabushiki Kaisha. Communication apparatus having a communication hold function. 4,870,680, 9-26-89, Cl. 379-163.000.

Ohtsuka, Masaru, to Canon Kabushiki Kaisha. Stage mechanism. 4,887,804, 12-19-89, Cl. 269-73.000.

Ohtsuka, Masaru: *See—*
- Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, 4,850,709, Cl. 356-352.000.

Ohtsuka, Nobuaki: *See—*
- Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, 4,825,271, Cl. 357-23.500.

Ohtsuka, Nobuyuki: *See—*
- Mochizuki, Kouji; Ozeki, Masashi; and Ohtsuka, Nobuyuki, 4,861,417, Cl. 156-610.000.

Ohtsuka, Shigeru; and Tsukutani, Seiichi, to Matsushita Electric Industrial Co., Ltd. Assembly of axial fan motor. 4,825,114, 4-25-89, Cl. 310-90.000.

Ohtsuka, Shuichi; and Yoda, Akira, to Fuji Photo Film Co., Ltd. Processing head with rinsing liquid supply for electrophotographic apparatus. 4,851,877, 7-25-89, Cl. 355-256.000.

Ohtsuka, Shuichi: *See—*
- Imai, Masaru; Ohtsuka, Shuichi; and Watanabe, Izumi, 4,864,351, Cl. 355-245.000.
- Moritake, Makoto; and Ohtsuka, Shuichi, 4,825,254, Cl. 355-71.000.
- Yamana, Keiichi; Imai, Masaru; and Ohtsuka, Shuichi, 4,873,545, Cl. 355-256.000.

Ohtsuka, Takashi, to Sony Corporation. Video cassette auto changer. 4,802,035, 1-31-89, Cl. 360-92.000.

Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, to Mazda Motor Corporation. Intake apparatus for internal combustion engine. 4,848,280, 7-18-89, Cl. 123-52.0MC.

- Ohtsuka, Takenori: *See—*
  - Honda, Yasuo; Ohtsuka, Takenori; Sunada, Tomohiro; and Kawasako, Yasuhiro, 4,794,885, Cl. 123-52.00M.
- Ohtsuka, Tatsuo: *See—*
  - Yokose, Kazuteru; Shimma, Nobuo; Kamata, Miyako; Aoki, Masahiro; and Ohtsuka, Tatsuo, 4,801,584, Cl. 514-183.000.
  - Yokose, Kazuteru; Shimma, Nobuo; Kamata, Mikayo; Aoki, Masahiro; and Ohtsuka, Tatsuo, 4,864,023, Cl. 544-66.000.
- Ohtsuka, Yasuhiro: *See—*
  - Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, 4,874,664, Cl. 428-325.000.
- Ohtsuka, Yasuo: *See—*
  - Tomita, Akira; Ohtsuka, Yasuo; Takarada, Takayuki; and Nabatame, Toshihide, 4,848,983, Cl. 48-202.000.
- Ohtsuka, Yoshihiro: *See—*
  - Takenaka, Fumio; Tohya, Kouzi; and Ohtsuka, Yoshihiro, 4,885,229, Cl. 430-285.000.
- Ohtsuka, Yoshimichi: *See—*
  - Ninomiya, Yuichi; Ohtsuka, Yoshimichi; Izumi, Yoshinori; Gohshi, Seiichi; and Shishikui, Yoshiaki, 4,884,136, Cl. 358-105.000.
- Ohtsuki, Kazuhiko; Yoshii, Gen; and Okanishi, Toshiaki, to Kanzaki Kokyukoki Mfg. Co., Ltd. Synchronizing clutch assembly. 4,869,353, 9-26-89, Cl. 192-53.00F.
- Ohtsuki, Kazuhiko: *See—*
  - Yano, Kazuhiko; Ohtsuki, Kazuhiko; and Yoshii, Gen, 4,838,105, Cl. 74-377.000.
- Ohtsuki, Osamu: *See—*
  - Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,882,447, Cl. 556-40.000.
  - Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,886,894, Cl. 556-40.000.
- Ohtsuki, Tadashi; Kenmi, Fumiaki; and Kobayashi, Yuhei, to Sony Corporation. Apparatus for optically recording and reproducing information in record tracks on a rotatable record disk. 4,845,696, 7-4-89, Cl. 369-13.000.
- Ohtsuki, Tomonari; Igarashi, Yoshiaki; Uno, Toru; and Tanaka, Yoshiaki, to Daiichi Denshi Kogyo Kabushiki Kaisha. Electronic card receiving device. 4,843,221, 6-27-89, Cl. 235-441.000.
- Ohtsuki, Tomonari: *See—*
  - Kuboi, Sadao; and Ohtsuki, Tomonari, 4,797,122, Cl. 439-589.000.
- Ohtsuki, Toshimasa, to Kabushiki Kaisha Toshiba. Multiplex chrominance gain control and matrix using a single multiplier and a coefficient shift register. 4,847,679, 7-11-89, Cl. 358-27.000.
- Ohtsuru, Masashi; and Hozumi, Toshio, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing 2,5-dichlorotoluene. 4,822,928, 4-18-89, Cl. 570-190.000.
- Ohuchi, Chidane, to Canon Kabushiki Kaisha. Interference apparatus for detecting state of wave surface. 4,798,468, 1-17-89, Cl. 356-351.000.
- Ohuchi, Junichi; Hasegawa, Kazuo; and Sasaki, Hiroaki, to Alps Electric Co., Ltd. Optical coordinate system input device. 4,806,749, 2-21-89, Cl. 250-221.000.
- Ohuchi, Junichi: *See—*
  - Hasegawa, Kazuo; Ohuchi, Junichi; and Sasaki, Hiroaki, 4,812,642, Cl. 250-221.000.
- Ohuchi, Kazunori: *See—*
  - Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, 4,800,530, Cl. 365-189.000.
- Ohuchi, Kenji: *See—*
  - Wada, Akihiro; Kakuta, Rin-ichi; Ohuchi, Kenji; Sugiyama, Jun; and Hasegawa, Shinji, 4,888,387, Cl. 525-66.000.
- Ohuchi, Kiyomi: *See—*
  - Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
- Ohuchi, Kiyoyuki; and Shimizu, Ken'ichi, to Agency of Industrial Science and Technology; and Ministry of International Trade and Industry. Nonskid device. 4,838,329, 6-13-89, Cl. 152-210.000.
- Ohuchi, Mitsuorou, to Nec Corporation. Memory device. 4,864,491, 9-5-89, Cl. 364-200.000.
- Ohuchi, Mitsurou, to NEC Corporation. Data processor with wait control allowing high speed access. 4,853,847, 8-1-89, Cl. 364-200.000.
- Ohuchi, Osamu; and Sawada, Takamasa, to Canon Kabushiki Kaisha. Image forming apparatus. 4,866,487, 9-12-89, Cl. 355-313.000.
- Ohuchi, Osamu: *See—*
  - Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osamu; Yagi, Tadashi; and Hayakawa, Yasuyoshi, 4,888,620, Cl. 355-211.000.
- Ohuchi, Renzo: *See—*
  - Tamoto, Katsumi; Ohuchi, Renzo; and Ono, Keiichi, 4,880,827, Cl. 514-423.000.
- Ohuchi, Takashi: *See—*
  - Hirota, Toshio; Ohuchi, Takashi; and Yamamoto, Osamu, 4,873,155, Cl. 429-26.000.
- Ohuchi, Yoshio, to Kabushiki Kaisha Showa Seimitsu Seitaiki Seisakusho. Trapezoidally shaped paper bag and method and apparatus for manufacturing same. 4,846,779, 7-11-89, Cl. 493-232.000.
- Ohuchi, Yutaka: *See—*
  - Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Saito, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.
- Ohuchida, Shuichi: *See—*
  - Toda, Masaaki; Ohuchida, Shuichi; and Ohno, Hiroyuki, 4,857,537, Cl. 514-365.000.
- Ohura, Masaki: *See—*
  - Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.
  - Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gotoh, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.
  - Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.
- Ohwa, Michihiro: *See—*
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,847,052, Cl. 422-249.000.
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,849,188, Cl. 422-249.000.
- Ohwa, Nobutaka: *See—*
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,799,707, Cl. 280-711.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,826,141, Cl. 267-64.280.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,834,418, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,511, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,575, Cl. 280-702.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,852,906, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,856,798, Cl. 280-6.110.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,858,895, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,869,528, Cl. 280-707.000.
- Ohwa, Yoshio: *See—*
  - Fukuzawa, Sooichi; Takeda, Yoshiaki; and Ohwa, Yoshio, 4,860,990, Cl. 251-30.030.
- Ohwada, Junichi; and Kondo, Katsumi, to Hitachi, Ltd. Ferroelectric liquid crystal device and method of driving the same. 4,818,077, 4-4-89, Cl. 350-350.00S.
- Ohwada, Takefumi: *See—*
  - Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masa, 4,815,195, Cl. 29-523.000.
- Ohwada, Yoshiaki: *See—*
  - Kubota, Atsuko; Matsushita, Yoshiaki; and Ohwada, Yoshiaki, 4,862,000, Cl. 250-341.000.
- Ohwaki, Shinji: *See—*
  - Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, 4,851,504, Cl. 528-287.000.
- Ohwaki, Takayuki: *See—*
  - Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, 4,827,062, Cl. 514-690.000.
- Ohwaki, Takeshi; and Taga, Yasunori, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Anti-blurring optical member. 4,855,176, 8-8-89, Cl. 428-195.000.
- Ohwatari, Toshimi: *See—*
  - Komatsu, Keisaku; Yamada, Takashi; and Ohwatari, Toshimi, 4,844,833, Cl. 252-174.130.
  - Komatsu, Keisakua; Ohwatari, Toshimi; and Yamada, Takashi, 4,867,900, Cl. 252-174.230.
- Ohya, Akira: *See—*
  - Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo, Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.
  - Mikuriya, Kenta; Ohya, Akira; Nakagawara, Minoru; Hirukawa, Hideo; and Uehara, Shoji, 4,850,695, Cl. 356-237.000.
- Ohya, Fumiaki: *See—*
  - Miyagi, Hideo; Ohya, Fumiaki; Fukushima, Koji; and Adachi, Shin, 4,800,863, Cl. 123-559.300.
- Ohya, Hidenobu: *See—*
  - Komamura, Tawara; and Ohya, Hidenobu, 4,847,188, Cl. 430-545.000.
- Ohya, Hiroko: *See—*
  - Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.
- Ohya, Jun; and Matsui, Yasushi, to Matsushita Electric Industrial Co., Ltd. Optical integrated circuit for heterodyne detection. 4,843,609, 6-27-89, Cl. 372-18.000.
- Ohya, Kanji; and Ogura, Kohji, to NGK Spark Plug Co., Ltd. Cyclic fatigue testing apparatus. 4,869,111, 9-26-89, Cl. 73-811.000.
- Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi; and Yamamoto, Takashi, to NGK Spark Plug Co., Ltd. Particulate lead titanate ceramic and composite material containing same. 4,874,727, 10-17-89, Cl. 501-134.000.
- Ohya, Koichi: *See—*
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,812,773, Cl. 328-167.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,841,461, Cl. 364-572.000.
  - Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,859,881, Cl. 307-520.000.
- Ohya, Makoto: *See—*
  - Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranisini, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.
- Ohya, Masaki; and Nishimoto, Yoshiharu, to Kureha Kagaku Kogyo Kabushiki Kaisha. Heat-shrinkable laminate tubular film. 4,883,693, 11-28-89, Cl. 428-34.900.
- Ohya, Nobuyuki; Saburi, Toshiki; Yamazaki, Toru; and Katoh, Taisei, to Nippondenso Co., Ltd. High frequency wave absorbing ceramics. 4,829,030, 5-9-89, Cl. 501-134.000.
- Ohya, Nobuyuki: *See—*
  - Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,824,812, Cl. 501-134.000.
  - Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, 4,840,926, Cl. 501-134.000.
- Ohya, Seiji; and Harada, Tetsuro, to Toyo Machinery Co., Ltd.; and OSG Corporation. Drill grinder having drill holder including chucks for gripping shank and body of the drill. 4,860,497, 8-29-89, Cl. 51-98.500.
- Ohya, Takahiro: *See—*
  - Kobayashi, Takatoshi; and Ohya, Takahiro, 4,806,578, Cl. 523-402.000.
- Ohya, Takao: *See—*
  - Araki, Hiroaki; Ejiri, Kiyomi; and Ohya, Takao, 4,885,203, Cl. 428-403.000.
- Ohya, Takasi: *See—*
  - Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.
- Ohya, Takeji, to Mazda Motor Corporation. Back door structure for a motor vehicle. 4,880,267, 11-14-89, Cl. 296-56.000.
- Ohya, Tsutomu: *See—*
  - Fujimoto, Tatsuo; and Ohya, Tsutomu, 4,839,790, Cl. 364-184.000.
- Ohya, Yasuhiro: *See—*
  - Murofushi, Toshiaki; Ohya, Yasuhiro; Nakazawa, Hiroshi; and Oyamada, Koichi, 4,837,100, Cl. 430-106.600.
  - Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, 4,880,719, Cl. 430-106.600.
- Ohyagi, Takashi: *See—*
  - Matai, Masahiro; Ohyagi, Takashi; and Mori, Toshihiro, 4,873,519, Cl. 340-825.440.
  - Mori, Toshihiro; and Ohyagi, Takashi, 4,839,641, Cl. 340-825.470.
  - Mori, Toshihiro; Oda, Takashi; and Ohyagi, Takashi, 4,857,911, Cl. 340-825.440.
  - Yoshizawa, Shigeo; Ohyagi, Takashi; Oda, Takashi; and Mori, Toshihiro, 4,855,731, Cl. 340-825.440.
- Ohyama, Akio: *See—*
  - Tani, Tatsuhiro; Ishiguri, Masaaki; Kikuchi, Rokuro; and Ohyama, Akio, 4,821,412, Cl. 29-882.000.
- Ohyama, Hiroshi; Hobara, Satoshi; Tsujimoto, Kazuyuki; and Tanaka, Shouji, to Hokko Chemical Industry Co., Ltd. New 1,3-dithiol-2-ylidene-alkylsulfonylacetates and their uses. 4,822,814, 4-18-89, Cl. 514-440.000.
- Ohyama, Masao, to Sony Corporation. Magnetic tape cassette loading system in recording and/or reproducing apparatus. 4,799,117, 1-17-89, Cl. 360-96.500.
- Ohyama, Masao; Yamamoto, Yoshinori; Horikawa, Kenichi; and Kawakami, Kenji, to Sony Corporation. Tape cassette with groove engageable with loading hook. 4,816,953, 3-28-89, Cl. 360-132.000.
- Ohyama, Masao: *See—*
  - Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.
  - Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500.
- Ohyama, Sadahiro; Morita, Yoshiaki; Ueno, Yoshiaki; and Tazawa, Kazuhiro, to Mitsumi Electric Co., Ltd. Drum assembly for a magnetic recording and reproducing apparatus. 4,851,935, 7-25-89, Cl. 360-64.000.
- Ohyama, Taro: *See—*
  - Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.
- Ohyama, Tetsuo; Akita, Shuichi; Watanabe, Hiroyuki; and Ueda, Akio, to Nippon Zeon Co., Ltd. Vibration insulating rubber. 4,848,511, 7-18-89, Cl. 180-312.000.
- Ohyama, Tetsuo: *See—*
  - Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.
- Ohyama, Toshinobu, to Shinko Electric Co., Ltd. System for detecting edge of image. 4,866,783, 9-12-89, Cl. 382-23.000.
- Ohyama, Yoshishige: *See—*
  - Ohnuga, Minoru; and Ohyama, Yoshishige, 4,850,219, Cl. 73-118.200.
- Ohyauchi, Hideo: *See—*
  - Amano, Yoshiaki; Yokoyama, Eiji; and Ohyauchi, Hideo, 4,838,897, Cl. 48-196.00A.
- Ohyoshi, Hisaaki; and Saito, Nobuaki, to Komori Printing Machinery Co., Ltd. Delivery safety apparatus for sheet-fed printing press. 4,861,016, 8-29-89, Cl. 271-215.000.
- Ohyu, Kiyonori: *See—*
  - Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.
- Ohzeki, Kazuhiko: *See—*
  - Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Yoshinaga, Jun; and Ohzeki, Kazuhiko, 4,884,133, Cl. 358-98.000.
- Ohzeki, Tamami: *See—*
  - Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.
- Ohzeki, Yukihiro: *See—*
  - Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.
- Ohzone, Takashi: *See—*
  - Fuse, Genshu; Hirao, Takashi; and Ohzone, Takashi, 4,861,729, Cl. 437-18.000.
- Ohzono, Kouhei; Takeuchi, Kazuhiro; and Iwatsuka, Yoshihisa, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic clutch. 4,842,115, 6-27-89, Cl. 192-85.00F.
- Ohzora, Takashi; Otsuka, Yoshio; and Hoshino, Kazuo, to Nissan Motor Co., Ltd. Method for forming corrosion resistant coating on a disc brake. 4,808,275, 2-28-89, Cl. 204-16.000.
- Ohzu, Hayao, to Canon Kabushiki Kaisha. Solid state image pickup apparatus with interlaced row pair readout. 4,851,917, 7-25-89, Cl. 358-213.220.
- Ohzu, Hayao: *See—*
  - Tanaka, Nobuyoshi; Nakamura, Yoshio; Sugawa, Shigetoshi; and Ohzu, Hayao, 4,810,896, Cl. 250-578.000.
- Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, to Sumitomo Chemical Company, Limited. Novolak resin for positive photoresist. 4,812,551, 3-14-89, Cl. 528-129.000.
- OI-NEG TV Products, Inc.: *See—*
  - Koenig, David G., 4,860,894, Cl. 206-421.000.
- Oi, Sukehachi: *See—*
  - Maji, Hiroshi; and Oi, Sukehachi, 4,844,220, Cl. 188-267.000
- Oi, Vernon T.: *See—*
  - Stryer, Lubert; Glazer, Alexander N.; and Oi, Vernon T., 4,859,582, Cl. 435-5.000.
- Oichi, Toshio: *See—*
  - Yamamoto, Yoichi; Fujii, Hironori; and Oichi, Toshio, 4,824,822, Cl. 503-201.000.
- Oie, Shojiro: *See—*
  - Yoshikawa, Katsuyuki; Inoue, Hidetoshi; Shiomi, Tsukasa; Oie, Shojiro; and Abe, Mutsumi, 4,822,414, Cl. 75-249.000.
- Oien, Michael A.: *See—*
  - LoVasco, Francis; and Oien, Michael A., 4,878,611, Cl. 228-180.200.
- Oiestad, Jens. Device for wrapping cylindrical objects. 4,821,486, 4-18-89, Cl. 53-170.000.
- Oiji, Yoshimasa: *See—*
  - Okazaki, Kei; Oshima, Etsuo; Obase, Hiroyuki; Oiji, Yoshimasa; Nito, Masaaki; and Kubo, Kazuhiro, 4,849,441, Cl. 514-414.000.
  - Shiozaki, Shizuo; Shuto, Katsuichi; and Oiji, Yoshimasa, 4,851,414, Cl. 514-277.000.
- Oikarinen, Valle J.: *See—*
  - Tormala, Pertti; Rokkanen, Pentti; Oikarinen, Valle J.; Vainionpaa, Seppo; and Helevirta, Pertti, 4,863,472, Cl. 623-16.000.
- Oikawa, Akio; and Narita, Masanori, to Nissan Motor Co., Ltd. Knee protective structure of vehicle. 4,834,422, 5-30-89, Cl. 280-751.000.
- Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Inc. High-temperature adhesive polyimide from 2,6-bis(3-aminophenoxy)pyridine. 4,797,466, 1-10-89, Cl. 528-185.000.
- Oikawa, Hideaki, to Pentel Kabushiki Kaisha. Automatic lead advance for mechanical pencils. 4,838,721, 6-13-89, Cl. 401-53.000.
- Oikawa, Hideaki, to Pentel Kabushiki Kaisha. Mechanical pencil with latching chuck actuator. 4,884,911, 12-5-89, Cl. 401-65.000.
- Oikawa, Hideaki: *See—*
  - Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.
  - Ohta, Masahiro; Kawashima, Saburo; Snobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, 4,883,718, Cl. 428-458.000.
  - Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.
  - Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,803,258, Cl. 528-211.000.
- Oikawa, Katsuya; Egami, Hidemi; Saitor, Katuo; and Satomura, Hiroshi, to Canon Kabushiki Kaisha. Illumination apparatus. 4,797,598, 1-10-89, Cl. 315-85.000.
- Oikawa, Mitsuhiro: *See—*
  - Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,882, Cl. 313-468.000.
  - Takahara, Takeshi; Ishii, Tsutomu; and Oikawa, Mitsuhiro, 4,806,822, Cl. 313-467.000.
- Oikawa, Ryuetsu, to Yazaki Corporation. Connector. 4,795,371, 1-3-89, Cl. 439-595.000.
- Oikawa, Ryuetsu; and Fujita, Akihiko, to Yazaki Corporation. Grommet structure. 4,839,937, 6-20-89, Cl. 16-2.000.
- Oikawa, Ryuetsu, to Yazaki Corporation. Clip for securing a wiring harness. 4,871,134, 10-3-89, Cl. 248-65.000.

Oikawa, Ryuetsu: *See—*

Sasaki, Toru; and Oikawa, Ryuetsu, 4,832,629, Cl. 439-889.000.

Oikawa, Saburo: *See—*

Satou, Yukimasa; Yatsuo, Tsutomu; Oikawa, Saburo; and Sanpei, Isamu, 4,825,270, Cl. 357-38.000.

Oikawa, Shinji; and Yamaguchi, Jiro, to Iwaya Corporation. Motion toy having action-changing structure. 4,813,908, 3-21-89, Cl. 446-298.000.

Oikawa, Takahiro, to Yazaki Corporation. Vibrational angular rate sensor. 4,836,023, 6-6-89, Cl. 73-505.000.

Oikawa, Takahiro, to Yazaki Corporation. Headlight moving apparatus for automotive vehicle. 4,858,080, 8-15-89, Cl. 362-61.000.

Oikawa, Takahiro: *See—*

Takashima, Makoto, Aoki, Yoshihito; and Oikawa, Takahiro, 4,879,658, Cl. 364-449.000.

Oikawa, Takeshi: *See—*

Asai, Hironobu; and Oikawa, Takeshi, 4,832,621, Cl. 439-492.000.

Oikawa, Taneaki, to Bio Science Laboratory. Physilogically active glycoprotein and process for production thereof. 4,801,689, 1-31-89, Cl. 530-395.000.

Oikawa, Taneaki, to Bio Science Laboratory. Physiologically active glycoprotein and process for production thereof. 4,847,363, 7-11-89, Cl. 530-395.000.

Oikawa, Tetsuo: *See—*

Mori, Nobufumi; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,801,801, Cl. 250-327.200.

Mori, Nobufumi; Katoh, Takayuki; Miyahara, Junji; Oikawa, Tetsuo; and Harada, Yoshiyasu, 4,810,886, Cl. 250-311.000.

Mori, Nobufumi; Katoh, Takayuki; Oikawa, Tetsuo; Harada, Yoshiyasu; and Miyahara, Junji, 4,873,440, Cl. 250-327.200.

Oikawa, Tomoyuki: *See—*

Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.

Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi, Toshiki, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating system for internal combustion engines. 4,883,027, 11-28-89, Cl. 123-90.160.

Oikawa, Toshihiro: *See—*

Fujii, Noriaki; Iwata, Takeshi; and Oikawa, Toshihiro, 4,796,574, Cl. 123-90.230.

Oikawa, Yasunobu: *See—*

Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,799,127, Cl. 361-321.000.

Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,854,936, Cl. 29-570.100.

Oikawa, Yukio; Okamoto, Kunio; and Shibakawa, Takahiro, to Nippondenso Co., Ltd. Carbon-based adsorbent and process for production thereof. 4,831,011, 5-16-89, Cl. 502-406.000.

Oike, Hiroshi, to Kabushiki Kaisha Toshiba. Temperature controller and method of temperature control for use in a refrigerating device. 4,841,735, 6-27-89, Cl. 62-126.000.

Oike, Hiroshi, to Kabushiki Kaisha Toshiba. Refrigerator with a malfunction detection system. 4,852,361, 8-1-89, Cl. 62-131.000.

Oike, Hiroshi, to Kabushiki Kaisha Toshiba. Temperature controller and method of temperature control for use in a refrigerating device. 4,856,287, 8-15-89, Cl. 62-126.000.

Oike, Hitoshi; and Yanagimachi, Motoshige, to Oike Industrial Co., Ltd. Heat-sensitive transfer medium. 4,875,961, 10-24-89, Cl. 156-234.000.

Oike, Ikuo: *See—*

Uehara, Kenji; Takayanagi, Shinji; and Oike, Ikuo, 4,886,149, Cl. 188-306.000.

Oike Industrial Co., Ltd.: *See—*

Oike, Hitoshi; and Yanagimachi, Motoshige, 4,875,961, Cl. 156-234.000.

Oike, Tadashi; and Yokoyama, Takeshi, to TLV Co., Ltd. Piston structure for pressure reducing valve. 4,809,736, 3-7-89, Cl. 137-489.500.

Oike, Tomoyasu, to Minnesota Mining and Manufacturing Company. Marker for locating a buried object. 4,873,533, 10-10-89, Cl. 343-744.000.

Oil Dynamics, Inc.: *See—*

Farque, Claude A., 4,876,539, Cl. 340-856.000.

Wilson, Brown L., 4,872,808, Cl. 415-170.100.

Oil Logging Research, Inc.: *See—*

Kaufman, Alexander A., 4,796,186, Cl. 364-422.000.

Oil Recovery Systems Inc.: *See—*

Schleiffarth, James W., 4,834,889, Cl. 210-708.000.

Oiles Industry Co., Ltd.: *See—*

Kamimura, Hiroto; Kubota, Shuichi; and Iwakura, Masaru, 4,854,745, Cl. 384-420.000.

Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.

Oilfield Speciality Products Manufacturing Ltd., of Canada: *See—*

McLennan, John M.; Brunt, Keith D.; and Guthrie, Walter G., 4,820,428, Cl. 252-8.551.

Oilgear Towler, Inc.: *See—*

Hall, Richard W., 4,796,428, Cl. 60-413.000.

Oilschlager, Edward G.: *See—*

Hogan, Lawrence R.; Mittleman, Herbert; Oilschlager, Edward G.; Rouch, Ellen; and Rudzena, William L., 4,823,833, Cl. 137-567.000.

Oilschlager, James D., Jr., to Sundstrand Corporation. Centrifugally activated switch for a synchronous generating system. 4,868,906, 9-19-89, Cl. 310-113.000.

Oinaga, Yuji: *See—*

Inoue, Aiichiro; Onishi, Katsumi; Oinaga, Yuji; and Nojima, Kenchi, 4,852,021, Cl. 364-200.000.

Kitamura, Toshiaki; Onishi, Katsumi; and Oinaga, Yuji, 4,812,970, Cl. 364-200.000.

Onishi, Katsumi; Oinaga, Yuji; and Otsuyama, Kohei, 4,802,113, Cl. 364-900.000.

Tanaka, Tsutomu; and Oinaga, Yuji, 4,800,490, Cl. 364-200.000.

Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, to Eisai Co., Ltd. Piperidine derivative and pharmaceutical composition containing the same. 4,876,262, 10-24-89, Cl. 514-318.000.

Oiry, Joel; and Imbach, Jean-Louis, to Centre National de la Recherche Scientifique. Radioprotective agents having an amino-thioalkyl structure. 4,816,482, 3-28-89, Cl. 514-513.000.

Oisel, Andre: *See—*

Bacou, Claude; Cabrol, Christian; Baptiste, Rene; and Oisel, Andre, 4,811,361, Cl. 375-25.000.

Oishi, Eiichi: *See—*

Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000.

Oishi, Hiroshi; and Mizusawa, Norihito, to Sanshin Kogyo Kabushiki Kaisha. Storage structure of liquid tank for marine propulsion. 4,832,641, 5-23-89, Cl. 440-88.000.

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, to Fuji Photo Film Co., Ltd.; and Sharp Kabushiki Kaisha. Liquid crystal shutter array having microlenses corresponding to the pixel electrodes. 4,836,652, 6-6-89, Cl. 350-334.000.

Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, to Fuji Photo Film Co., Ltd.; and Sharp Kabushiki Kaisha. Image recording apparatus utilizing an ECB mode liquid crystal. 4,842,379, 6-27-89, Cl. 350-347.00E.

Oishi, Kazuaki: *See—*

Okumura, Kiyoshi; and Oishi, Kazuaki, 4,866,569, Cl. 361-335.000.

Oishi, Kengo, to Fuji Photo Film Co., Ltd. Two layered tape pad for a magnetic tape cassette. 4,796,135, 1-3-89, Cl. 360-130.330.

Oishi, Kengo; and Suzuki, Osamu, to Fuji Photo Film Co., Ltd. Magnetic tape cassette with spring biased U-shaped pivotable guard panel. 4,797,768, 1-10-89, Cl. 360-132.000.

Oishi, Kengo, to Fuji Photo Film Co., Ltd. Magnetic recording disc having tensioned and elastically-supported recording surface. 4,812,939, 3-14-89, Cl. 360-135.000.

Oishi, Kengo; and Suzuki, Osamu, to Fuji Photo Film Co., Ltd. Club magnetic tape cassette having a protective layer. 4,825,320, 4-25-89, Cl. 360-132.000.

Oishi, Kengo; and Suzuki, Osamu, to Fuji Photo Film Co., Ltd. Magnetic tape cassette. 4,832,285, 5-23-89, Cl. 242-198.000.

Oishi, Kengo, to Fuji Photo Film Co., Ltd. Manufacturing method for magnetic tape cassette. 4,840,760, 6-20-89, Cl. 264-245.000.

Oishi, Kengo, to Fuji Photo Film Co., Ltd. Magnetic tape cassette having improved erasure preventing device. 4,844,378, 7-4-89, Cl. 242-199.000.

Oishi, Kengo, to Fuji Photo Film Co., Ltd. Magnetic tape cassette. 4,886,220, 12-12-89, Cl. 242-188.000.

Oishi, Kengo: *See—*

Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, 4,841,403, Cl. 360-132.000.

Oishi, Konosuke; Okumoto, Toyoharu; Tobe, Hayato; and Tsukada, Masamichi, to Hitachi, Ltd. Atomic absorption spectrophotometer with furnace at pressure equal or near light source pressure. 4,840,484, 6-20-89, Cl. 356-312.000.

Oishi, Konosuke; Tsukada, Masamichi; Kitagawa, Masatoshi; Okumoto, Toyoharu; and Tobe, Hayato, to Hitachi, Ltd. Atomic absorption spectrophotometer. 4,867,562, 9-19-89, Cl. 356-312.000.

Oishi, Konosuke; and Sugahara, Kenshi, to Hitachi, Ltd. Diffraction grating having a plurality of different grating constants. 4,886,341, 12-12-89, Cl. 350-162.220.

Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, to Nippon Paint Co., Ltd. Magnetic carrier particles for electrophotographic developer having plated layer of iron oxide. 4,816,364, 3-28-89, Cl. 430-108.000.

Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, to Nippon Paint Co., Ltd. Method for forming ferrite film. 4,837,046, 6-6-89, Cl. 427-38.000.

Oishi, Minoru; Morimoto, Yoshinari; Furukawa, Akihiro; Miura, Tomoko; Ikeda, Yoshie; and Nagatsuna, Akemi, to Brother Kogyo Kabushiki Kaisha. Input control device. 4,812,832, 3-14-89, Cl. 340-709.000.

Oishi, Shingo; and Kikuchi, Toshihiro, to Iwaya Corporation. Animal motion toy having an automatic action switching drive mechanism. 4,795,395, 1-3-89, Cl. 446-175.000.

Oishi, Shingo; and Nishizawa, Shohta, to Iwaya Corporation. Skateboarding toy. 4,836,819, 6-6-89, Cl. 446-288.000.

Oishi, Syogo: *See—*

Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, 4,813,603, Cl. 239-113.000.

Oishi, Tadakatsu: *See—*

Tajima, Tomoyuki, 4,810,495, Cl. 424-95.000.

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Koizumi, Hisao; and Oishi, Yoshihisa, 4,818,845, Cl. 219-314.000.

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Imai, Yoshio; Kakimoto, Masaaki; Oishi, Yoshiyuki; and Maruyama, Yutaka, 4,820,793, Cl. 528-183.000.

Oiso, Hisayoshi: *See—*

Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.

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Kajiura, Toshihiro; Oita, Norio; Abe, Junnosuke; and Sugiyama, Seiji, 4,830,194, Cl. 209-580.000.

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Hara, Toshiya, 4,818,328, Cl. 156-350.000.

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Mutoh, Naoto; and Ojima, Juji, 4,838,840, Cl. 474-138.000.

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Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.

Tomioka, Yasushi; Imazeki, Shuji; Terao, Motoyasu; Ojima, Masahiro; and Taniguchi, Yoshio, 4,855,951. Cl. 365-119.000.

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Ojima, Nobutoshi: *See—*

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Ojima, Teruo: *See—*

Mitsumaru, Michitoshi; Furukawa, Keiichi; Ojima, Teruo; and Sawa, Shiro, 4,824,324, Cl. 415-170.00A.

Ojima, Yasuo: *See—*

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Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, 4,798,532, Cl. 432-210.000.

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Ohara, Shuichi; Akasaka, Sinichi; Oka, Hiroyuki; and Hattori, Shintaroo, 4,812,439, Cl. 503-227.000.

Shannon, Paul D.; Oka, Hiroyuki; Grimme, Paul E.; and Sparks, Robert W., 4,809,231, Cl. 365-201.000.

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Mikoshi, Tadafumi; Oka, Hitoshi; and Fukuda, Akira, 4,828,451, Cl. 414-680.000.

Oka, Jiro: *See—*

Murakami, Ryohei; and Oka, Jiro, 4,869,015, Cl. 43-98.000.

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Kanai, Hiroshi; Oka, Joji; and Kojo, Hidehiko, 4,826,895, Cl. 523-443.000.

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Oka, Kiichiro: *See—*

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Oka, Koichi: *See—*

Nate, Tatsuo; Oka, Koichi; and Satoh, Takehiko, 4,865,660, Cl. 148-301.000.

Oka, Kouichi: *See—*

Ishii, Junichi; and Oka, Kouichi, 4,863,511, Cl. 75-0.5AA.

Oka, Masahide: *See—*

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Oka, Masahiko: *See—*

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Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya; and Koshimizu, Kazuhiro, 4,797,754, Cl. 360-48.000.

Oka, Mitsuru: *See—*

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Oka, Osamu: *See—*

Maeda, Koji; and Oka, Osamu, 4,806,626, Cl. 530-375.000.

Oka, Seiji, to Ricoh Company, Ltd. Toner cartridge. 4,799,608, 1-24-89, Cl. 222-505.000.

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Doi, Makoto; Nakajima, Hiroyukio; Miyamoto, Fumiyuki; Oka, Seiji; and Nonogaki, Mitsuhiro, 4,882,389, Cl. 525-310.000.

Tanaka, Masaru; and Oka, Seiji, 4,800,411, Cl. 355-3.0DD.

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Tsubai, Yasuo; and Oka, Shozi, 4,821,057, Cl. 354-301.000.

Oka, Syotaro; Kita, Junichi; Kuyama, Hiroki; and Kiri, Motosada, to Shimadzu Corporation. Thermal detectors and process for manufacturing the same. 4,867,850, 9-19-89, Cl. 204-15.000.

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Oka, Tateki; Toyoshi, Naoki; Myochin, Hisashi; and Yokoyama, Tomoaki, to Minolta Camera Kabushiki Kaisha. Electrophotographic copiers. 4,821,071, 4-11-89, Cl. 355-14.0CH.

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Kato, Yukihiro; Ishii, Masami; Yabuno, Ryohei; and Oka, Tetsuo, 4,876,893, Cl. 73-726.000.

Ozaki, Akio; Katsumata, Ryoichi; and Oka, Tetsuo, 4,874,698, Cl. 435-108.000.

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Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.

Oka, Tsutomu: *See—*

Mae, Yoshiharu; Oka, Tsutomu; and Hirano, Atsushi, 4,889,170, Cl. 148-407.000.

Oka, Yasuhiko; and Satoh, Hideya, to Katoh Electrical Machinery Co., Ltd. Apparatus for processing fish detection signals. 4,809,242, 2-28-89, Cl. 367-113.000.

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Okabayashi, Makoto, to Osaka Gas Co., Ltd. Fluidic flowmeter. 4,854,176, 8-8-89, Cl. 73-861.190.

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Minagawa, Kenichiro; Furuse, Kazuo; Tanizaki, Yoshiharu; and Okabe, Heihachiro, 4,828,735, Cl. 252-49.300.

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Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, 4,869,367, Cl. 206-409.000.

Okabe, Hitoshi: *See—*

Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.

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Komatsubara, Kiichi; Tanuma, Seiichi; Okabe, Katsuya; and Katsuyama, Toshio, 4,887,273, Cl. 372-41.000.

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Niki, Masao; Yasuda, Shinichiro; Yokota, Yukinaga; and Okabe, Kazuhiko, 4,845,002, Cl. 430-109.000.

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Nakanowatari, Jun; Okabe, Kazuya; and Matsuda, Hideyuki, 4,810,061, Cl. 350-334.000.

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Okabe, Kyoji: *See—*

Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.

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Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

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Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshimasa; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.

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Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,668, Cl. 501-134.000.

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Okabe, Susumu: *See—*

Ikeda, Masazumi; and Okabe, Susumu, 4,849,424, Cl. 514-256.000.

Okabe, Takahiro: *See—*

Nakazato, Kazuo; Nakamura, Tohru; Matsuda, Masatoshi; Miyazaki, Takao; Kure, Tokuo; Okabe, Takahiro; and Nagata, Minoru, 4,825,281, Cl. 357-59.000.

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Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.

Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.

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Kimura, Soosaku; Itoh, Masaya; and Okabe, Takeshi, 4,811,525, Cl. 51-166.0MH.

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Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, 4,860,542, Cl. 60-583.000.

Okabe, Toshihiro: *See—*

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Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tsuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

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Shirai, Eiji; Okabe, Yoshio; and Kobayashi, Yukimori, 4,858,572, Cl. 123-90.120.

Okada, Akane: *See—*

Kawasumi, Masaya; Kohzaki, Masao; Kojima, Yoshitsugu; Okada, Akane; and Kamigaito, Osami, 4,810,734, Cl. 523-216.000.

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Ikeda, Haruhiko; Okada, Akinori; and Ohkura, Hirokazu, 4,855,279, Cl. 503-209.000.

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Okada, Akira: *See—*

Hirosaki, Naoto; and Okada, Akira, 4,810,678, Cl. 501-97.000.

Kajioka, Yasuo; Okada, Akira; Komine, Tomio; and Shimizu, Satoru, 4,848,960, Cl. 404-112.000.

Okada, Akiyoshi: *See—*

Shiraishi, Noriaki; Kamiyama, Sigeru; Amioka, Shigenori; and Okada, Akiyoshi, 4,854,634, Cl. 296-108.000.

Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hiroshi; and Oziro, Takeshi, to Mitsui Mining & Smelting Co., Ltd. High-strength zinc base alloy. 4,882,126, 11-21-89, Cl. 420-516.000.

Okada, Chiharu: *See—*

Mori, Masaaki; and Okada, Chiharu, 4,827,288, Cl. 346-76.0PH.

Okada, Chozo. Braille printing plate. 4,859,094, 8-22-89, Cl. 400-122.000.

Okada, Daisuke: *See—*

Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.

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Holm-Kennedy, James W.; and Okada, David N., 4,885,623, Cl. 357-34.000.

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Kano, Koichi; Kabasawa, Takayuki; Danjo, Masamichi; and Okada, Etuo, 4,810,098, Cl. 366-162.000.

Okada, Fujio; and Ohta, Toshihiko, to Toyo Boseki Kabushiki Kaisha. Process of producing polyethylene drawn filaments and drawn films. 4,824,619, 4-25-89, Cl. 264-40.100

Okada, Fujio: *See—*

Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.

Ohta, Toshihiko; Okada, Fujio; and Hayashi, Masahiro, 4,800,121, Cl. 428-364.000.

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Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, 4,814,376, Cl. 524-588.000.

Okada, Haruo: *See—*

Takahashi, Hiroaki; Okada, Haruo; Matsumoto, Katsuya; and Umino, Masuo, 4,879,039, Cl. 210-635.000.

Okada, Hideaki: *See—*

Yamaoka, Kojiro; and Okada, Hideaki, 4,827,783, Cl. 74-371.000.

Yamaoka, Kojiro; Azuma, Toshiro; Fujisaki, Koichiro; and Okada, Hideaki, 4,882,940, Cl. 74-15.66I.

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Kahara, Toshiki; Takeuchi, M[illegible]; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, 4,810,595, Cl 429-16.000.

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Okada, Hiroaki: *See—*

Yamamoto, Masaki; Okada, Hiroaki; Ogawa, Yasuaki; and Miyagawa, Tsutomu, 4,849,228, Cl. 424-457.000.

Okada, Hiroo; Ikeda, Yoshiaki; and Ohsima, Ken, to Olympus Optical Co., Ltd. Optical recording/reproducing device. 4,837,757, 6-6-89, Cl. 369-44.000.

Okada, Hiroo: *See—*

Miyazaki, Yasuhiro; Okada, Hiroo; Tsurukawa, Toshio; and Kobayashi, Shohei, 4,819,220, Cl. 369-45.000.

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Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, 4,843,454, Cl. 357-79.000.

Terada, Hiromu; and Okada, Hiroshi, 4,852,664, Cl. 173-134.000.

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Hirata, Haruhisa; Okada, Hirosuke; and Negoro, Seiji, 4,861,718, Cl. 435-207.000.

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Okada, Hisao: *See—*

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Okada, Hisashi: *See—*

Takagi, Yoshihiro; Okada, Hisashi; Yagihara, Morio; and Katoh, Kazunobu, 4,851,321, Cl. 430-264.000.

Okada Inc.: *See—*

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Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, to Mitsubishi Kasei Corporation. Pyrazole derivative and insecticidal and miticidal composition containing the derivative as active ingredient. 4,861,777, 8-29-89, Cl. 514-234.500.

Okada, Johshin: *See—*

Tanaka, Yukitaka; Nakamura, Minoru; Okada, Johshin; and Mansho, Kenji, 4,837,214, Cl. 514-179.000.

Okada, Junichi: *See—*

Koto, Haruhiko; Okada, Junichi; Ishii, Hiroshi; and Sawada, Kenji, 4,806,955, Cl. 346-140.00R.

Okada, Kazuhiro: *See—*

Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.

Okada, Kazuo; and Nakayama, Yoshiaki, to Fuji Photo Film Co., Ltd. Rotary magnetic recording-reproducing apparatus with disc track checking. 4,819,093, 4-4-89, Cl. 360-78.060.

Okada, Kazuo, to Kabushiki Kaisha Universal. Token feed apparatus for slot machines. 4,821,863, 4-18-89, Cl. 194-344.000.

Okada, Kazuo, to Kabushiki Kaisha Universal. Coin dispenser. 4,822,318, 4-18-89, Cl. 453-57.000.

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Okada, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Wavelength selective optical data storage system. 4,868,787, 9-19-89, Cl. 365-106.000.

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Okada, Kazuo, to Kabushiki Kaisha Universal. Slot machine. 4,889,339, 12-26-89, Cl. 273-143.00R.

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Imai, Hitoshi; Okada, Kazuo; and Tadokoro, Michihiro, 4,876,666, Cl. 365-106.000.

Mayumi, Etuo; Fujiwara, Hitoshi; Hiromasa, Kunio; and Okada, Kazuo, 4,827,167, Cl. 310-89.000.

Tadokoro, Michihiro; Okada, Kazuo; and Imai, Hitoshi, 4,862,442, Cl. 369-45.000.

Tadokoro, Michihiro; Imai, Hitoshi; and Okada, Kazuo, 4,881,204, Cl. 369-46.000.

Okada, Kazuyoshi, to Nissan Motor Company, Limited. Time-division multiplex transmission network system for an automobile vehicle. 4,809,266, 2-28-89, Cl. 370-85.000.

Okada, Kazuyoshi: *See—*

Abe, Noriyuki; and Okada, Kazuyoshi, 4,811,015, Cl. 340-825.070.

Okada, Keisuke; and Takeuchi, Sumitaka, to Mitsubishi Denki Kabushiki Kaisha. A/D converter having multiplication function. 4,866,443, 9-12-89, Cl. 341-159.000.

Okada, Keisuke: *See—*

Tada, Tetsuo; and Okada, Keisuke, 4,799,009, Cl. 324-158.00P.

Okada, Kenichi; Asao, Hiroshi; and Nakamura, Keiichi, to Hitachi, Ltd. Method for producing a bellows with oval cross section and apparatus for carrying out the method. 4,827,747, 5-9-89, Cl. 72-59.000.

Okada, Kenichi, to Japan Aviation Electronics Industry Limited. Fiber optic gyro stabilized by harmonic components of detected signal. 4,883,358, 11-28-89, Cl. 356-350.000.

Okada, Kenji: *See—*

Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.

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Okada, Kiyotaka: *See—*

Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, 4,807,040, Cl. 358-233.000.

Okada, Kohichi; and Takagi, Kazutoshi, to Kabushiki Kaisha Naitsu; and Tokyo Kogaku Kikai Kabushiki Kaisha. Binocular indirect ophthalmoscope. 4,810,083, 3-7-89, Cl. 351-205.000.

Okada, Kouichi: *See—*

Ichinomiya, Keizi; Okada, Kouichi; Itsuki, Yuji; and Tsuchikura, Kaname, 4,890,033, Cl. 313-487.000

Okada, Kozo, to Tokyo Keiki Company, Ltd. Apparatus for measuring pulse compression ratio. 4,800,388, 1-24-89, Cl. 342-194.000.
Okada, Kunihiro: *See—*
Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shiro; and Takei, Yasuharu, 4,874,787, Cl. 514-531.125.
Okada, Kunio; and Kobayashi, Shigeru, to Jidosha Kiki Co., Ltd. Method of controlling power steering device. 4,800,976, 1-31-89, Cl. 180-142.000.
Okada, Kunio: *See—*
Kawase, Tsunezo; Koroku, Shuichiro; and Okada, Kunio, 4,856,490, Cl. 125-21.000.
Okada, Makoto, to Nissan Motor Co., Ltd. Exhaust system for internal combustion engine. 4,800,720, 1-31-89, Cl. 60-313.000.
Okada, Masahiro: *See—*
Imaizumi, Atsushi; Kamimura, Takashi; Suwa, Yorimasa; and Okada, Masahiro, 4,810,780, Cl. 530-350.000.
Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,204, Cl. 430-512.000.
Kuwabara, Kenichi; Takahashi, Toshiro; Adachi, Keiichi; and Okada, Masahiro, 4,830,950, Cl. 430-264.000.
Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 72-31.000.
Takahashi, Toshiro; Kuwabara, Kenichi; and Okada, Masahiro, 4,803,149, Cl. 430-264.000.
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Okada, Masaki; and Kishishita, Keiji, to Isuzu Motors Limited. Turbo compound engine. 4,800,726, 1-31-89, Cl. 60-614.000.
Okada, Masaki, to Isuzu Motors Limited. Vehicle heating system. 4,836,445, 6-6-89, Cl. 237-2.00A.
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Okada, Masaki: *See—*
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Okada, Masamichi; and Kai, Isao, to Omron Tateisi Electronics Co. Electronic thermometer with predicting means. 4,878,184, 10-31-89, Cl. 364-557.000.
Okada, Masanori: *See—*
Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-38.000.
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Okada, Masashi: *See—*
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Okada, Michio: *See—*
Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
Okada, Michiya: *See—*
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Okada, Minoru, to Olympus Optical Company Ltd. Means to facilitate detachably mounting cap to distal end of endoscope. 4,794,911, 1-3-89, Cl. 128-4.000.
Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, to Sankin Industry Co.; and Sumitomo Metal Industries, Ltd. Swaged metal denture base. 4,824,373, 4-25-89, Cl. 433-200.100.
Okada, Minoru. Process for preparing simulated meat. 4,880,654, 11-14-89, Cl. 426-574.000.
Okada, Minoru: *See—*
Kawana, Frank S.; Suzuki, Teisuke; and Okada, Minoru, 4,869,920, Cl. 426-643.000.
Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,795,753, Cl. 514-345.000.
Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,798,838, Cl. 514-342.000.
Okada, Mitsuya, to NEC Corporation. Magneto-optical recording reproducing, and erasing apparatus having two independent magnetic field applying devices. 4,862,437, 8-29-89, Cl. 369-13.000.
Okada, Mitsuyuki: *See—*
Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
Ohmae, Tadayuki; Sakurai, Tadashi; Yamaguchi, Noboru; Okada, Mitsuyuki; and Asao, Kouichiro, 4,859,710, Cl. 521-55.000.
Okada, Munehisa: *See—*
Matsuura, Junichi; Oguchi, Tatsuki; and Okada, Munehisa, 4,818,255, Cl. 55-16.000.
Okada, Naofumi: *See—*
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Murata, Mitsuhiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,844,445, Cl. 271-275.000.
Okada, Nobuyoshi: *See—*
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Okada, Noriyuki: *See—*
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Okada, Osami, to Hitachi, Ltd. Plasma confinement system. 4,863,671, 9-5-89, Cl. 376-143.000.
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Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, 4,801,847, Cl. 315-5.410.
Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masai, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, to Babcock-Hitachi Kabushiki Kaisha. Pulverized coal combustion apparatus. 4,881,474, 11-21-89, Cl. 110-263.000.
Okada, Reisuke; and Fujino, Hisami, to Toray Industries, Inc. Laminate board containing uniformly distributed filler particles and method for producing the same. 4,798,762, 1-17-89, Cl. 428-285.000.
Okada, Ryoji; Haneda, Mitsuaki; Araya, Takeshi; and Hioki, Susumu, to Hitachi, Ltd. Sintering method. 4,855,102, 8-8-89, Cl. 419-8.000.
Okada, Sadao; Yamamoto, Tetsu; and Yumura, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Slidable carriage mount for disc memory apparatus. 4,819,109, 4-4-89, Cl. 360-106.000.
Okada, Sadayuki: *See—*
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Okada, Satoru, to Nintendo Co., Ltd. Video target control and sensing circuit for photosensitive gun. 4,813,682, 3-21-89, Cl. 273-312.000.
Okada, Satoshi: *See—*
Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
Okada, Sensuke: *See—*
Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.
Okada, Shigehiro: *See—*
Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, 4,866,134, Cl. 525-109.000.
Okada, Shigeo, to Kato Hatsujo Kaisha, Ltd. Structure for mounting automobile interior upholstering material. 4,865,505, 9-12-89, Cl. 411-512.000.
Okada, Shigeru: *See—*
Nakajima, Nobiyuki; Inomata, Kenichi; Okada, Shigeru; and Eitai, Kazuo, 4,850,815, Cl. 417-295.000.
Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,801,251, Cl. 417-295.000.
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Nakajima, Nobuyuki; Inomata, Kenichi; and Okada, Shigeru, 4,822,263, Cl. 418-133.000.
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Okada, Shin-ichi; and Sasaki, Hiroyuki, to Nissin Kogyo Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisha. Reservoir with a reed switch. 4,833,441, 5-23-89, Cl. 340-450.000.
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Ohji, Toshio; and Okada, Shinji, 4,835,645, Cl. 360-108.000.
Okada, Shinjiro; and Kanbe, Junichiro, to Canon Kabushiki Kaisha. Driving method for liquid crystal device. 4,800,382, 1-24-89, Cl. 340-784.000.
Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, to Canon Kabushiki Kaisha. Ferroelectric liquid crystal device with modified polyvinyl alcohol alignment film. 4,820,026, 4-11-89, Cl. 350-341.000.
Okada, Shinjiro; and Enari, Masahiko, to Canon Kabushiki Kaisha. Method and apparatus for driving ferroelectric liquid crystal device. 4,844,590, 7-4-89, Cl. 350-350.00S.
Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, to Canon Kabushiki Kaisha. Liquid crystal device having a modified polyvinyl alcohol alignment layer. 4,883,344, 11-28-89, Cl. 350-339.00R.
Okada, Shinjiro: *See—*
Katagiri, Kazuharu; Yoshinaga, Kazuo; Okada, Shinjiro; and Kanbe, Junichiro, 4,844,597, Cl. 350-350.00S.
Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, to Fujitsu Limited. System for controlling network activation sequence. 4,812,839, 3-14-89, Cl. 340-825.140.
Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, to Kawasaki Steel Corporation. Method for producing cold rolled steel sheets having improved spot weldability. 4,889,566, 12-26-89, Cl. 148-2.000.
Okada, Tadashi; Furukawa, Yuuji; and Murata, Makoto, to Nissan Motor Company, Limited. Centrifugally actuate clutch for a iimited slip differential. 4,838,120, 6-13-89, Cl. 74-711.000.
Okada, Taiiti; and Abe, Yasuaki, to Takeda Chemical Industries, Ltd. Reduction of carboxylic esters. 4,842,775, 6-27-89, Cl. 260-396.00R.

Okada, Taizo: *See—*
Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, 4,886,667, Cl. 424-195.100.
Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, to Olympus Optical Company Ltd. Liquid crystal eyeglass. 4,795,248, 1-3-89, Cl. 351-158.000.
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Matsumoto, Takashi; Okada, Takashi; and Mizusaki, Sigenobu, 4,841,055, Cl. 546-261.000.
Okada, Takayuki: *See—*
Nishio, Taichi; Sanada, Takashi; and Okada, Takayuki, 4,801,645, Cl. 525-68.000.
Okada, Takehiko, to Mita Industrial Co., Ltd. Copying machine having an intermediate tray. 4,857,969, 8-15-89, Cl. 355-72.000.
Okada, Takeji; Sawaide, Minoru; Imai, Minoru; and Tachibana, Daisuke, to Shimitzu Construction Co., Ltd. Resin-coated aggregates. 4,873,145, 10-10-89, Cl. 428-407.000.
Okada, Tatsuhiro: *See—*
Sugihara, Hideki; Hiratani, Kazuhisa; and Okada, Tatsuhiro, 4,861,455, Cl. 204-418.000.
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Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.
Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.
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Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.
Okada, Toshihiko; Yagi, Toshifumi; and Suzuki, Satoshi, to Gunze Limited. Circular knitting machine. 4,879,886, 11-14-89, Cl. 66-151.000.
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Fukuyama, Tatsuo; Okada, Toshihiko; Moriguchi, Sanseki; Kamiya, Yoshio; and Ogata, Eisuke, 4,820,405, Cl. 208-423.000.
Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, 4,853,776, Cl. 358-106.000.
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Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, 4,803,014, Cl. 252-585.000.
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Okada, Tsugihiro; Ohtsu, Eiichi; and Yokoyama, Tetsuho, to Hitachi, Ltd. Air conditioner system for automotive vehicles. 4,865,119, 9-12-89, Cl. 165-16.000.
Okada, Tsuguo: *See—*
Kawashima, Hisashi; Okada, Tsuguo; and Yamamoto, Haruhiko, 4,865,123, Cl. 165-104.330.
Okada, Tsuneharu. Ignition stone container of cigarette lighter. 4,865,541, 9-12-89, Cl. 431-124.000.
Okada, Tsunekazu; and Yamaguchi, Nozomu, to Sony Corporation. Semiconductor laser apparatus. 4,843,610, 6-27-89, Cl. 372-31.000.
Okada, Tsuneyoshi, to PolyPlastics Co., Ltd. Composition for injection molding. 4,803,235, 2-7-89, Cl. 524-494.000.
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Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P., 4,828,990, Cl. 435-68.000.
Okada, Yashuhiro: *See—*
Takagi, Masayoshi; and Okada, Yashuhiro, 4,868,960, Cl. 29-33.00P.
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Hoshi, Norio; Yamaguchi, Tetsuro; Okada, Yasuhiro; and Matsukawa, Takao, 4,881,614, Cl. 180-225.000.
Tomizu, Motoyuki; and Okada, Yasuhiro, 4,795,378, Cl. 439-751.000.
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Okada, Yasushi: *See—*
Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono, Nobuyuki, 4,819,602, Cl. 123-479.000.
Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono, Nobuyuki, 4,873,642, Cl. 364-431.060.
Nakajima, Toyohei; and Okada, Yasushi, 4,796,587, Cl. 123-440.000.
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Yonezawa, Toshio; Yamaguchi, Noritake; and Okada, Yasutaka, 4,798,632, Cl. 148-12.70N.
Okada, Yasuyuki; Kojima, Makoto; and Misaki, Hirozumi, to Matsushita Electric Industrial Co., Ltd. Voltage detection circuit. 4,825,018, 4-25-89, Cl. 323-351.000.
Okada, Yasuyuki: *See—*
Kojima, Makoto; Misaki, Hirozumi; and Okada, Yasuyuki, 4,839,787, Cl. 363-60.000.
Tabata, Kuniaki; Machida, Tetsuo; Takeda, Haruo; Takada, Naoki; and Okada, Yasuyuki, 4,809,345, Cl. 382-47.000.
Okada, Yoshihiro: *See—*
Sakai, Toshiyuki; Okada, Yoshihiro; and Hyodo, Keiichiro, 4,853,767, Cl. 358-78.000.
Tsuji, Kiyoshi; Kimura, Kenji; and Okada, Yoshihiro, 4,884,134, Cl. 358-98.000.
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Okada, Yoshimi: *See—*
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Yoshii, Minoru; Nose, Noriyuki; Niwa, Yukichi; and Okada, Yoshimichi, 4,842,408, Cl. 356-349.000.
Okada, Yoshinobu: *See—*
Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.
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Okada, Yoshio; Nakamura, Tadashi; and Ohhira, Youichi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Solvent for chromogenic dye-precursor material for pressure-sensitive recording paper sheet and pressure-sensitive recording paper sheet prepared by using the solvent. 4,795,493, 1-3-89, Cl. 106-311.000.
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Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.
Okada, Yoshitaka: *See—*
Tada, Kunio; Okada, Yoshitaka; Inoue, Hiroaki; and Matsumura, Hiroyoshi, 4,832,430, Cl. 350-96.140.
Okada, Yoshitsugu, to NEC Corporation. Method of manufacturing multi-layered wiring substrate. 4,882,839, 11-28-89, Cl. 29-853.000.
Okada, Yoshiyuki: *See—*
Aoki, Isao; Kuragano, Takashi; Okajima, Nobuyuki; and Okada, Yoshiyuki, 4,872,901, Cl. 71-90.000.
Okada, Yosuke, to Sherwood Medical Company. Catheter obturator. 4,798,591, 1-17-89, Cl. 604-164.000.
Okada, Yosuke, to Sherwood Medical Company. Catheter for nasogastric intubation. 4,801,294, 1-31-89, Cl. 604-171.000.
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Okada, Yukio; Iwamura, Akira; and Akashi, Shuji, to Kawasaki Jukogyo Kabushiki Kaisha. Fiber reinforced structural member. 4,795,666, 1-3-89, Cl. 428-71.000.
Okado, Chihiro, to Kabushiki Kaisha Toshiba. Uninterruptible power supply utilizing a synchronized chopper for power factor improvement. 4,827,151, 5-2-89, Cl. 307-66.000.
Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, to Bridgestone Corporation. Method for forming a tire around a bead. 4,830,693, 5-16-89, Cl. 156-132.000.
Okagaki, Isao: *See—*
Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.
Okahashi, Kazuo: *See—*
Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, 4,798,769, Cl. 428-460.000.

- Okahashi, Yoshikazu: *See—*
  - Morimoto, Masamichi; Okumura, Kazumasa; and Okahashi, Yoshikazu, 4,847,911, Cl. 382-8.000.
  - Ueda, Hideshi; Okumura, Kazumasa; Morimoto, Masamichi; and Okahashi, Yoshikazu, 4,845,764, Cl. 382-8.000.
- Okai, Makoto; Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; and Chinone, Naoki, to Hitachi, Ltd. Semiconductor laser device of variable wavelength type. 4,885,753, 12-5-89, Cl. 372-45.000.
- Okai, Makoto: *See—*
  - Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; Okai, Makoto; and Chinone, Naoki, 4,873,691, Cl. 372-20.000.
- Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, to Nippon Paint Co., Ltd. Aluminum flake pigment. 4,885,032, 12-5-89, Cl. 75-251.000.
- Okaji, Masahiro, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Double-path interferometer. 4,836,678, 6-6-89, Cl. 356-351.000.
- Okajima, Hidekazu; and Matsuda, Kazuya, to Canon Kabushiki Kaisha. Zoom lens incorporating diaphragm. 4,865,433, 9-12-89, Cl. 350-429.000.
- Okajima, Hidekazu: *See—*
  - Arai, Takashi; Kawano, Katsuo; and Okajima, Hidekazu, 4,805,991, Cl. 350-255.000.
- Okajima, Kenichi: *See—*
  - Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
- Okajima, Kiyonori; Saito, Jugoro; and Fujiwara, Hiroshi, to Mitsubishi Rayon Engineering Co., Ltd. Continuous press machine. 4,794,855, 1-3-89, Cl. 100-154.000.
- Okajima, Masaki: *See—*
  - Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
- Okajima, Nariaki: *See—*
  - Takeda, Naohiro; Otani, Yuzo; Kita, Masahiro; and Okajima, Nariaki, 4,795,672, Cl. 428-216.000.
- Okajima, Nobuyuki: *See—*
  - Aoki, Isao; Kuragano, Takashi; Okajima, Nobuyuki; and Okada, Yoshiyuki, 4,872,901, Cl. 71-90.000.
- Okajima, Shiro: *See—*
  - Nakahara, Jirou; Ueshin, Akito; and Okajima, Shiro, 4,874,934, Cl. 235-492.000.
- Okajima, Takahiro: *See—*
  - Ikedo, Yuji; Miyakawa, Tsutomu; Okajima, Takahiro; and Miyake, Masahiko, 4,809,252, Cl. 369-34.000.
  - Ikedo, Yuji; Okajima, Takahiro; Miyake, Masahiko; and Miyakawa, Tsutomu, 4,811,319, Cl. 369-39.000.
  - Ikedo, Yuji; and Okajima, Takahiro, 4,811,324, Cl. 369-75.200.
  - Ikedo, Yuji; Okajima, Takahiro; and Tashiro, Yasuyuki, 4,839,764, Cl. 360-98.080.
- Okajima, Yoshio: *See—*
  - Washizuka, Isamu; Inoue, Yukihiro; and Okajima, Yoshio, 4,875,036, Cl. 340-784.000.
- Okakura, Yojiro: *See—*
  - Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Masaru; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.
- Okamatsu, Shigetoshi: *See—*
  - Nozaki, Yoshio; Okamatsu, Shigetoshi; and Takaoka, Tadashi, 4,825,131, Cl. 318-52.000.
- Okami, Yoshinori: *See—*
  - Banba, Fumiyasu; and Okami, Yoshinori, 4,803,614, Cl. 364-200.000.
- Okami, Yoshiro; Kondo, Shinichi; Ikeda, Daishiro; and Umezawa, Hamao, deceased (by Umezawa, Mieko, Kazuo Umezawa, Yoji Umezawa, heirs), to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. 2′-deamino-2′-hydroxyistamycin B_0 derivatives of low toxicity. 4,795,743, 1-3-89, Cl. 514-36.000.
- Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased (by Umezawa, Mieko, Kazuo Umezawa, Yoji Umezawa, legal representatives), to Microbial Chemistry Research Foundation. Bisucaberin. 4,870,172, 9-26-89, Cl. 540-460.000.
- Okamizu, Shigeo, to Mazda Motor Manufacturing (USA) Corporation. Apparatus for filling transmission fluid into transmissions. 4,877,066, 10-31-89, Cl. 141-96.000.
- Okamizu, Shigeo: *See—*
  - Kanazawa, Hirotaka; Note, Koushun; Nakashima, Yasuhiro; Mukai, Yoshiaki; Sakamoto, Shunji; and Okamizu, Shigeo, 4,854,410, Cl. 180-140.000.
  - Sakamoto, Shunji; Okamizu, Shigeo; Ota, Yuji; and Katsuki, Hisaaki, 4,880,072, Cl. 180-140.000.
- Okamori, Kenji: *See—*
  - Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.
- Okamoto, Akihiro: *See—*
  - Maeda, Tetsuro; Wada, Fukuaki; Ohoka, Susumu; and Okamoto, Akihiro, 4,876,145, Cl. 428-327.000.
- Okamoto, Akio: *See—*
  - Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
  - Ogawa, Soichi; Okamoto, Akio; Fukui, Shigeo; and Ueno, Tsutomu, 4,869,835, Cl. 250-423.00R.
- Okamoto, Akira: *See—*
  - Matsuda, Toru; Yano, Takanori; Okamoto, Toshiaki; and Okamoto, Akira, 4,860,214, Cl. 364-513.000.
- Okamoto, Atsutoshi: *See—*
  - Imai, Yasuhito; Okamoto, Atsutoshi; and Sakai, Toshiyasu, 4,864,112, Cl. 235-463.000.
  - Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.
- Okamoto, Atutoshi: *See—*
  - Hara, Masahiro; Okamoto, Atutoshi; Sakai, Tosniyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu, 4,818,847, Cl. 235-455.000.
- Okamoto, Eiji, to NEC Corporation. Device for calculating a charge for a charged information signal with errors avoided in a report of the charge. 4,796,297, 1-3-89, Cl. 380-10.000.
- Okamoto, Eiji, to NEC Corporation. Key distribution method. 4,876,716, 10-24-89, Cl. 380-21.000.
- Okamoto, Eisaku; and Komatsu, Ikuo, to Yamaha Corporation. Percussive musical tone generator system. 4,882,964, 11-28-89, Cl. 84-611.000.
- Okamoto, Eisaku; and Abe, Yasunao, to Yamaha Corporation. Automatic accompaniment apparatus realizing automatic accompaniment and manual performance selectable automatically. 4,887,504, 12-19-89, Cl. 84-715.000.
- Okamoto, Goro: *See—*
  - Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, 4,798,769, Cl. 428-460.000.
- Okamoto, Hidefumi: *See—*
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,796,728, Cl. 426-129.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,840,805, Cl. 426-129.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,842,872, Cl. 426-46.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, 4,871,565, Cl. 426-407.000.
  - Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Hayami, Hiroshi, 4,874,580, Cl. 422-25.000.
- Okamoto, Hiromichi, to Atsumi Denki Kabushiki Kaisha. Alarm system. 4,847,595, 7-11-89, Cl. 340-541.000.
- Okamoto, Hiroshi; Fushimi, Kimio; and Suzuki, Susumu, to Kabushiki Kaisha Toshiba. Refrigerating apparatus and control method thereof. 4,798,057, 1-17-89, Cl. 62-228.300.
- Okamoto, Hiroshi; Toyoshi, Naoki; Tabuchi, Kenji; Takebe, Kaoru; and Nagao, Taisuke, to Minolta Camera Kabushiki Kaisha. Image forming method. 4,845,524, 7-4-89, Cl. 355-239.000.
- Okamoto, Hiroshi: *See—*
  - Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, 4,847,658, Cl. 355-245.000.
- Okamoto, Hiroyuki: *See—*
  - Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
  - Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
- Okamoto, Ichiro: *See—*
  - Namikoshi, Hajime; Shibata, Tohru; and Okamoto, Ichiro, 4,879,038, Cl. 210-635.000.
  - Okamoto, Yoshio; Hatada, Koichi; Shibata, Tohru; Okamoto, Ichiro; and Nakamura, Hiroyuki, 4,818,394, Cl. 210-198.200.
  - Shibata, Tohru; Namikoshi, Hajime; and Okamoto, Ichiro, 4,830,752, Cl. 210-635.000.
  - Yuki, Yoichi; Okamoto, Ichiro; Shibata, Tohru; and Nakamura, Hiroyuki, 4,846,968, Cl. 210-198.200.
- Okamoto, Ikuo: *See—*
  - Iwaki, Masato; Okamoto, Ikuo; Ushijima, Kenji; and Kinoshita, Hiroshi, 4,823,642, Cl. 74-860.000.
- Okamoto, Isao; Terada, Katsuyuki; Go, Hiromi; Sebata, Michio; Higaki, Hiroshi; and Takai, Hideo, to Hitachi, Ltd. Wheelset steering apparatus and method for the truck of railway vehicles. 4,802,418, 2-7-89, Cl. 105-167.000.
- Okamoto, Iwao: *See—*
  - Inoue, Kazuo; Yoshikiyo, Motozo; Yoshii, Shizuka; and Okamoto, Iwao, 4,814,239, Cl. 428-694.000.
- Okamoto, Jyoji: *See—*
  - Suefuji, Kazutaka; Arata, Tetsuya; Senshu, Takao; Okamoto, Jyoji; and Murayama, Akira, 4,810,176, Cl. 418-55.000.
- Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, to Kawasaki Steel Corp.; and Nippon Air Brake Co., Ltd. Method of sampling steel material and a device therefor. 4,833,930, 5-30-89, Cl. 73-864.450.
- Okamoto, Kaneyuki: *See—*
  - Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okamoto, Kaneyuki, 4,855,812, Cl. 358-22.000.
- Okamoto, Katsuo: *See—*
  - Otawa, Yasuhiko; Tojo, Tetsuo; Matsuda, Akira; and Okamoto, Katsuo, 4,818,785, Cl. 524-576.000.
  - Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,814,390, Cl. 525-331.700.
  - Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,877,817, Cl. 521-142.000.
  - Uchiyama, Akira; and Okamoto, Katsuo, 4,889,762, Cl. 428-195.000.

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  - Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, 4,838,916, Cl. 65-3.110.
- Okamoto, Kazuhiko; and Kanayama, Akira, to Sharp Kabushiki Kaisha. Memory protection device for an electronic apparatus. 4,872,139, 10-3-89, Cl. 365-52.000.
- Okamoto, Kei. Retractable legrest for dental chair. 4,878,709, 11-7-89, Cl. 297-68.000.
- Okamoto, Keiji: *See—*
  - Inoue, Tai; Sugita, Masaya; and Okamoto, Keiji, 4,878,453, Cl. 116-288.000.
  - Takada, Hiromi; Shimazaki, Toshio; Okamoto, Keiji; and Aoki, Hideo, 4,796,037, Cl. 346-160.100.
- Okamoto, Ken: *See—*
  - Niino, Shuhei; Ishimura, Koichi; Okamoto, Ken; and Ohba, Koichi, 4,845,969, Cl. 72-11.000.
- Okamoto, Kenji; and Matsumoto, Takashi, to Nissin High Voltage Co., Ltd. Automatic hydraulic clamping mechanism for a window foil holder of an electron beam irradiator. 4,829,190, 5-9-89, Cl. 250-492.300.
- Okamoto, Kenji; and Kida, Yasushi, to Sumitomo Electric Industries, Ltd. High-speed digital image processing apparatus. 4,885,787, 12-5-89, Cl. 382-54.000.
- Okamoto, Kenji: *See—*
  - Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
  - Ooka, Akihiro; Okamoto, Kenji; and Yamada, Koji, 4,794,655, Cl. 5-81.00R.
- Okamoto, Kenkichi: *See—*
  - Kono, Koichi; Okamoto, Kenkichi; Iwasaki, Rumi; and Sawada, Shuichi, 4,873,034, Cl. 264-41.000.
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- Mirura, Ryozo; Okamoto, Yoshio; Takahashi, Hiroki; and Inada, Souichi, 4,856,313, Cl. 72-234.000.

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- Iemura, Takusuke; Gotoh, Takeshi; and Komaki, Hiroshi, 4,821,887, Cl. 211-1.500.
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- Yamazaki, Kouichi, 4,799,732, Cl. 297-300.000.

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- Yamada, Kinji; Nagata, Masaki; Suyama, Siniti; and Okamura, Momoko, 4,830,672, Cl. 106-287.190.

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- Allton, Charles S.; and O'Kane, James H., 4,842,223, Cl. 244-158.00R.

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  Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
Okazaki, Toshio: *See—*
  Kumagai, Fumio; and Okazaki, Toshio, 4,797,512, Cl. 174-135.000.
  Ono, Mamoru; Naruse, Kohji; and Okazaki, Toshio, 4,797,513, Cl. 174-153.00G.
  Ono, Mamoru; and Okazaki, Toshio, 4,864,082, Cl. 174-97.000.
  Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Kohji, 4,814,028, Cl. 156-48.000.
  Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Koji, 4,822,434, Cl. 156-48.000.
Okazaki, Yasuo: *See—*
  Koshida, Yoshinori; Miyake, Isao; Okazaki, Yasuo; Motoi, Nobuhiro; and Nakaya, Mitsuru, 4,889,978, Cl. 235-379.000.
Okazaki, Yoichiro: *See—*
  Matsudaira, Nobuyasu; Kyoya, Michio; Mikogami, Takashi; Okazaki, Yoichiro; Matsuo, Eito; and Takahira, Nobuhiro, 4,799,856, Cl. 415-155.000.
Okazaki, Yoji; Sunagawa, Hiroshi; and Kamiyama, Kozi, to Fuji Photo Film Co., Ltd. Light modulator and wave guide device. 4,830,448, 5-16-89, Cl. 350-96.130.
Okazaki, Yoji: *See—*
  Kamiyama, Kozi; Okazaki, Yoji; Okazaki, Masaki; Kubodera, Seiti; and Takeuchi, Syozo, 4,830,447, Cl. 350-96.120.
  Kamiyama, Kozi; and Okazaki, Yoji, 4,838,638, Cl. 350-96.190.
  Umegaki, Shinsuke; Okazaki, Yoji; and Kamiyama, Kozi, 4,820,011, Cl. 350-96.190.
Okazaki, Yoshitake: *See—*
  Hirabayashi, Akio; Kaneko, Katsuaki; and Okazaki, Yoshitake, 4,802,408, Cl. 100-90.000.
Okazawa, Takeshi, to Nec Corporation. Stacked metal-insulator semiconductor device. 4,885,624, 12-5-89, Cl. 357-42.000.
O'Keefe, David M., to Texas Explosives Co Inc. DATB and its bis-urethan. 4,833,265, 5-23-89, Cl. 560-22.000.
O'Keefe, Ellen. Jewelry storage apparatus. 4,854,656, 8-8-89, Cl. 312-345.000.
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O'Keefe, Stephen J. Amusement ride. 4,815,728, 3-28-89, Cl. 272-38.000.
O'Keeffe, Paul J. Fabric and method of use for treatment of scars. 4,865,031, 9-12-89, Cl. 128-334.00R.
Okegawa, Tadao: *See—*
  Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,829,078, Cl. 514-397.000.
  Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,888,351, Cl. 514-397.000.
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O'Kelley, Charles. Animal feeding device. 4,825,811, 5-2-89, Cl. 119-51.500.
Oketani, Kiyoshi: *See—*
  Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.
Oketani, Takashi: *See—*
  Kumada, Junji; Mitsuhashi, Tetsuo; Okano, Fumio; Ishida, Jun'ichi; Oketani, Takashi; and Kondo, Tatsuhiko, 4,864,400, Cl. 358-148.000.
Okey, David W.; Church, John S.; Saatchi, Hossein; and Scanlon, John F., to Sundstrand Corporation. Dimensionally-stable lightweight core for composite structures. 4,837,251, 6-6-89, Cl. 523-218.000.
Okey, David W.: *See—*
  Scanlon, John F.; Bolgert, Thomas A.; Okey, David W.; and Sherman, William D., 4,817,853, Cl. 228-121.000.
O'Key, Thomas: *See—*
  Heller, Stephen H.; Owen, Gregory J.; and O'Key, Thomas, 4,846,239, Cl. 157-1.300.
Oki Electric Industry Co., Ltd.: *See—*
  Amino, Fumihiro; Tozuka, Zenzou; Tachibana, Sadao; and Aoki, Kazuo, 4,851,618, Cl. 200-5.00A.
  Aoki, Kazuo; and Tachibana, Sadao, 4,874,913, Cl. 200-314.000.
  Endo, Hideaki, 4,890,022, Cl. 307-602.000.
  Etoh, Hiroshi, 4,823,362, Cl. 375-116.000.
  Fukuda, Hisashi, 4,871,416, Cl. 156-635.000.
  Fukuda, Yasuhiro, 4,823,088, Cl. 324-456.000.
  Hase, Kazuo; and Nakano, Kazuo, 4,805,212, Cl. 379-359.000.
  Hayashi, Kentaro; and Kimura, Hiroshi, 4,870,639, Cl. 370-60.000.
  Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,821,175, Cl. 364-200.000.
  Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,811,207, Cl. 364-200.000.
  Hosoda, Kenichiro; Kawaguchi, Shinji; Shinbo, Atsushi; and Yokota, Kiyoshi, 4,860,315, Cl. 375-30.000.
  Inaba, Toyokazu, 4,847,452, Cl. 200-5.00A.
  Inamura, Kazuhiko; and Tashita, Yoji, 4,806,857, Cl. 324-158.00R.
  Inoue, Hiroshi, 4,827,449, Cl. 365-63.000.
  Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,853,793, Cl. 358-464.000.
  Ishikawa, Osamu; and Sumiya, Kiyoshi, 4,876,605, Cl. 358-400.000.
  Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,884,148, Cl. 358-464.000.
  Isobe, Minoru, 4,812,914, Cl. 358-293.000.
  Ito, Toshikazu; Suemune, Toshiro; and Sato, Katsuhiko, 4,884,162, Cl. 361-23.000.
  Ito, Toshio; Sakata, Miwa; and Yamashima, Yoshio, 4,826,943, Cl. 528-21.000.
  Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,845,143, Cl. 525-328.800.
  Itoh, Toshikazu; and Tsuchiya, Satoru, 4,810,113, Cl. 400-124.000.
  Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.
  Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; and Watanabe, Tsukasa, 4,811,069, Cl. 357-30.000.
  Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; Watanabe, Tsukasa; and Mouri, Mikio, 4,887,166, Cl. 358-471.000.
  Kanamori, Jun, 4,857,477, Cl. 437-47.000.
  Kanayachi, Kiyoshi, 4,844,369, Cl. 242-56.00R.
  Kano, Hiroyuki; Noguchi, Matsusaburo; and Tadokoro, Joji, 4,835,603, Cl. 358-75.000.
  Katsuyama, Tsutomu; Yoshida, Isao; Kanai, Toyoo; and Taguchi, Yasunobu, 4,870,698, Cl. 455-67.000.
  Kawakatsu, Akira, 4,873,200, Cl. 437-31.000.
  Kikuchi, Hiroshi; and Itaya, Takashi, 4,815,877, Cl. 400-616.100.
  Kikuchi, Hiroshi; Watanabe, Shyoichi; and Ohta, Yukio, 4,830,527, Cl. 400-637.200.
  Kikuchi, Hiroshi; Tanuma, Jiro; Obara, Kazuki; and Yoshida, Kazuyoshi, 4,851,861, Cl. 346-76.0PH.
  Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; Uchida, Takao; and Asaka, Toshiyuki, 4,857,005, Cl. 439-140.000.
  Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; and Asaka, Toshiyuki, 4,869,605, Cl. 400-124.000.
  Kimura, Haruo; Ishidate, Takeo; and Goto, Masao, 4,883,183, Cl. 209-534.000.
  Kinoshita, Haruhisa, 4,842,707, Cl. 204-298.000.
  Kita, Akio, 4,873,557, Cl. 357-23.100.
  Kiyosumi, Fumio, 4,855,952, Cl. 365-149.000.
  Kobayashi, Masaki; and Itoh, Yoshio, 4,811,261, Cl. 364-724.190.

Kobayashi, Masaki, 4,852,036, Cl. 364-724.190.

Kobayashi, Masaki; and Itoh, Yoshio, 4,868,775, Cl. 364-724.190.

Kobayashi, Masaki; Itoh, Yoshio; and Kusaka, Hiroji, 4,879,726, Cl. 375-1.000.

Kobayashi, Motoki, 4,810,669, Cl. 437-67.000.

Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.

Koshida, Yoshinori, 4,845,770, Cl. 382-65.000.

Koshida, Yoshinori; and Tashiro, Akihisa, 4,870,335, Cl. 318-567.000.

Koshida, Yoshinori; Miyake, Isao; Okazaki, Yasuo; Motoi, Nobuhiro; and Nakaya, Mitsuru, 4,889,978, Cl. 235-379.000.

Koyama, Tatsuya; Yamada, Tetsuhiro; Andou, Hirokazu; and Kamimura, Katsuya, 4,820,065, Cl. 400-124.000.

Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.

Matsui, Hiroshi, 4,808,544, Cl. 437-44.000.

Matsukura, Hisao; Yamato, Osamu; and Horii, Hiroyuki, 4,855,693, Cl. 333-202.000.

Matsumoto, Fumio, 4,859,625, Cl. 437-81.000.

Minakuchi, Akihiro, 4,882,578, Cl. 340-750.000.

Minematsu, Nobuo; Karahashi, Masao; Ota, Munekatsu; Matsumae, Koyo; and Takada, Hashime, 4,833,312, Cl. 235-379.000.

Miyagisima, Takao; and Oohashi, Kazuyuki, 4,804,830, Cl. 235-379.000.

Miyawaki, Masahumi; Miyamoto, Sampei; and Ishimura, Tamihiro, 4,843,258, Cl. 307-296.200.

Mizutani, Minoru; Hayashi, Kuniharu; Kikuchi, Hiroshi; and Chiba, Naoki, 4,823,038, Cl. 310-257.000.

Mori, Toru, 4,877,947, Cl. 235-381.000.

Morito, Makoto; Tabei, Yukio; and Yamada, Kozo, 4,852,181, Cl. 381-46.000.

Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yukio; and Takahashi, Keiko, 4,868,879, Cl. 381-43.000.

Motegi, Hisatoshi; and Nomura, Akira, 4,843,254, Cl. 307-272.200.

Nagasawa, Hikoshi; Ito, Kazuo; Horii, Shigeru; and Tanoshima, Katsuhide, 4,799,271, Cl. 382-40.000.

Nakamori, Tomohiro; Tsuruoka, Taiji; Shibata, Susumu; and Kanamori, Takashi, 4,849,605, Cl. 219-216.000.

Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Ozeki, Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,710, Cl. 370-110.100.

Nambu, Seigo; Fukazawa, Hiroyuki; and Takei, Shinji, 4,866,506, Cl. 357-72.000.

Nomoto, Tsutomu; Yosida, Mamoru; Mouri, Mikio; and Watanabe, Tsukasa, 4,859,617, Cl. 437-40.000.

Ohta, Satoshi; Tanagawa, Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, 4,812,634, Cl. 235-492.000.

Ohta, Satoshi; and Tanagawa, Kouzi, 4,843,224, Cl. 235-487.000.

Ohtake, Hisao; and Yamamoto, Kazushige, 4,852,080, Cl. 370-30.000.

Ohtsuka, Hiroshi; Itoh, Yoshio; Nishimuro, Tadashi; and Mitsutomi, Hisamitsu, 4,824,254, Cl. 356-401.000.

Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.

Okita, Yoshihisa, 4,866,000, Cl. 437-31.000.

Okuaki, Hiroshi, 4,801,998, Cl. 357-72.000.

Okuaki, Hiroshi, 4,814,943, Cl. 361-400.000.

Okuyama, Hideaki; Kusumoto, Shigehiro; Watanabe, Keisuke; and Nagai, Kiyoshi, 4,852,958, Cl. 350-96.130.

Ono, Takashi; and Kitazawa, Shooji, 4,884,239, Cl. 365-185.000.

Saito, Tadashi; Nakamura, Hiroshi; and Tsunotani, Masanori, 4,889,817, Cl. 437-22.000.

Sakai, Shunji; Kitagawa, Tohru; Suzuki, Kunikazu; and Watanabe, Naohiro, 4,875,099, Cl. 358-213.110.

Sasaki, Masayoshi; and Katoh, Teruo, 4,814,292, Cl. 437-101.000.

Shigei, Masahiro; Suto, Shugo; and Tatsukami, Masahiro, 4,839,757, Cl. 360-99.050.

Shimizu, Makoto; and Sato, Akira, 4,829,393, Cl. 360-71.000.

Shinohara, Mamoru, 4,806,499, Cl. 437-31.000.

Suzuki, Ken-ichi, 4,851,362, Cl. 437-31.000.

Suzuki, Ken-ichi, 4,886,763, Cl. 437-61.000.

Tachibana, Sadao, 4,837,412, Cl. 200-5.00A.

Tadokoro, Joji; and Noguchi, Matsusaburo, 4,819,078, Cl. 358-256.000.

Takahashi, Chusei; Amakasu, Tadashi; and Etoh, Hiroshi, 4,823,373, Cl. 379-58.000.

Takahashi, Chusei, 4,890,332, Cl. 455-67.000.

Tamura, Yasuaki; and Mochizuki, Kiyofumi, 4,805,977, Cl. 350-96.160.

Tanagawa, Kouji, 4,866,608, Cl. 364-200.000.

Tanagawa, Kouji; and Yoshida, Tomoaki, 4,875,156, Cl. 364-200.000.

Tanoshima, Katsuhide; Suzuki, Yasuhiro; Nagata, Shizuo; and Shimizu, Yasuo, 4,813,007, Cl. 346-74.500.

Tanuma, Jiro; and Kasai, Tadashi, 4,808,985, Cl. 340-727.000.

Tanuma, Jiro; Hayashi, Kuniharu; Katakura, Shinichi; and Sakaino, Hiroshi, 4,818,129, Cl. 400-323.000.

Tanuma, Jiro; Akutsu, Naoji; and Kasai, Tadashi, 4,825,133, Cl. 318-113.000.

Tanuma, Jiro; and Katakura, Shinichi, 4,849,869, Cl. 363-21.000.

Taya, Takashi; and Tahara, Toshiyuki, 4,852,162, Cl. 379-413.000.

Tokuyama, Katsumi; Arai, Kanji; Ishikawa, Takuji; and Akiyama, Haruhiko, 4,845,740, Cl. 379-91.000.

Tomikawa, Arifumi; and Yasukawa, Nihiko, 4,840,258, Cl. 190-102.000.

Uchiyama, Akira; Masaki, Yuuichi; Iwabuchi, Toshiyuki; Nomoto, Tsutomu; and Sakamoto, Masaaki, 4,885,622, Cl. 357-30.000.

Ushikubo, Takashi; Okayama, Hideaki; Kawahara, Masato; and Asabayashi, Issei, 4,884,858, Cl. 350-96.130.

Wakamatsu, Hidetoshi, 4,839,306, Cl. 437-67.000.

Wakamatsu, Hidetoshi, 4,879,253, Cl. 437-41.000.

Yamada, Youichi; and Takahashi, Keiko, 4,856,067, Cl. 381-45.000.

Yamada, Youichi; and Takahashi, Keiko, 4,882,755, Cl. 381-41.000.

Yamaguchi, Michio; and Shinoda, Junji, 4,827,530, Cl. 382-13.000.

Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, Takateru; and Kobayashi, Kenji, 4,801,518, Cl. 430-325.000.

Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, 4,808,951, Cl. 333-202.000.

Yamato, Osamu; and Takino, Tetsuji, 4,877,493, Cl. 204-15.090.

Yamato, Osamu; and Takino, Tetsuji, 4,882,026, Cl. 204-275.000.

Yazu, Takashi; and Morito, Makoto, 4,868,868, Cl. 381-37.000.

Yokouchi, Hiroshi; and Mogi, Makoto, 4,796,211, Cl. 364-569.000.

Yoshida, Mamoru; Nomoto, Tsutomu; Araki, Tomoo; and Watanabe, Tsukasa, 4,816,885, Cl. 357-23.700.

Yoshida, Takuji, 4,873,458, Cl. 307-362.000.

Yoshinori, Koshida; Minoru, Isobe; and Shin-ichi, Suto, 4,889,220, Cl. 194-206.000.

Oki, Katsunori: *See*—

Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, 4,855,840, Cl. 358-296.000.

Oki, Ken-ichi; Kawai, Satoru; Yanai, Ken-ichi; and Takahara, Kazuhiro, to Fujitsu Limited. Active matrix display device and method for driving the same. 4,818,981, 4-4-89, Cl. 340-784.000.

Oki, Koichi: *See*—

Miyagawa, Michiaki; Oki, Koichi; and Horii, Hiroyuki, 4,885,784, Cl. 382-8.000.

Oki, Masaru; and Hiraoka, Muneki, to Teikoku Chuck Co., Ltd. Chuck mounting arrangement. 4,833,955, 5-30-89, Cl. 82-142.000.

Oki, Shigaru: *See*—

Takehara, Isamu; Yamamura, Akira; Osawa, Tsutomu; and Oki, Shigaru, 4,847,526, Cl. 310-185.000.

Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, to Bristol-Myers Company. Antifungal antibiotics. 4,870,165, 9-26-89, Cl. 536-6.400.

Oki, Yasuhiro: *See*—

Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.

Oki, Yoshio; Akatsuka, Takeo; and Satoji, Fuminori, to NTN-Rulon Industries Co., Ltd. Cleaning blade for use with photoelectronic copying machine. 4,825,249, 4-25-89, Cl. 355-15.000.

Oki, Youji: *See*—

Kobayashi, Uruo; Oki, Youji; and Kawano, Katsunori, 4,865,425, Cl. 350-345.000.

Okiharu, Ryoichi, to Omron Tateisi Electronics Co. POS terminal device. 4,859,838, 8-22-89, Cl. 235-383.000.

Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, to Hitachi, Ltd. Semiconductor device and method of manufacturing the same. 4,845,543, 7-4-89, Cl. 357-67.000.

Okimoto, Haruo; and Tashima, Seiji, to Mazda Motor Corporation. Supercharging apparatus for an internal combustion engine. 4,875,454, 10-24-89, Cl. 123-559.300.

Okimoto, Kazutaka: *See*—

Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masuda, Toshio; Mori, Takashi; and Okimoto, Kazutaka, 4,852,633, Cl. 164-437.000.

Okina, Shigetaka: *See*—

Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl. 364-900.000.

Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, to Inoue MTP Kabushiki Kaisha. Interior member for vehicle and method for its manufacture. 4,871,612, 10-3-89, Cl. 428-269.000.

Okinaga, Hiroaki, to Nikken Tool Co., Ltd.; and Yoshino Seiki Inc. Drill. 4,854,788, 8-8-89, Cl. 408-59.000.

Okinaka, Hideyuki: *See*—

Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, 4,811,148, Cl. 360-125.000.

Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,683, Cl. 419-10.000.

Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobuo; Fujii, Eiji; and Okinaka, Hideyuki, 4,801,932, Cl. 340-783.000.

Okine, Richard K.: *See*—

Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,837,117, Cl. 423-392.000.

Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,146, Cl. 19-0.350.

Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,856,147, Cl. 19-0.350.

Armiger, Thomas E., Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,857,385, Cl. 428-189.000.

Armiger, Thomas E.; Edison, David H.; Lauterbach, Herbert G.; Layton, James R.; and Okine, Richard K., 4,863,780, Cl. 428-189.000.

Okino, Michiko: *See*—

Ogino, Masanori; Amemiya, Yoshio; Okino, Michiko; and Washi, Kazuro, 4,810,940, Cl. 315-389.000.

Okino, Tadashi; and Sakai, Shinji, to Canon Kabushiki Kaisha. Image sensing apparatus with sensitivity and exposure control. 4,833,536, 5-23-89, Cl. 358-228.000.

Okino, Tadashi, to Canon Kabushiki Kaisha. Image pickup apparatus with white balance control. 4,847,680, 7-11-89, Cl. 358-29.000.

Okino, Tadashi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,858,028, 8-15-89, Cl. 368-335.000.

Okino, Tadashi: *See*—

Fukushima, Nobuo; Okino, Tadashi; and Sakai, Shinji, 4,857,952, Cl. 354-452.000.

Ise, Makoto; and Okino, Tadashi, 4,879,600, Cl. 358-213.190.

Suga, Akira; and Okino, Tadashi, 4,868,680, Cl. 358-335.000.

Okino, Yoshiharu, to Fuji Photo Film Co., Ltd. Tonality correction method. 4,810,603, 3-7-89, Cl. 430-30.000.

Okino, Yoshiharu, to Fuji Photo Film Co., Ltd. Picture recording apparatus. 4,885,608, 12-5-89, Cl. 355-107.000.

Okino, Yoshinori: *See*—

Sakamoto, Katsuhiko; Hatamura, Kouichi; and Okino, Yoshinori, 4,805,574, Cl. 123-421.000.

Okisaki, Fumio; Kubo, Masashige; and Sakka, Hideo, to Tosoh Corporation. Method for preparation of polybromoacenaphthene and/or its condensate. 4,822,931, 4-18-89, Cl. 570-208.000.

Okishima, Tetsuya: *See*—

Tsuru, Yoshiyuki; Okamura, Toshiro; Okishima, Tetsuya; Ikeda, Masayoshi; and Kawamura, Masahiro, 4,842,899, Cl. 427-309.000.

Okita, Kiyomi: *See*—

Karasawa, Hiroo; Kometani, Kiichi; and Okita, Kiyomi, 4,879,328, Cl. 524-109.000.

Okita, Koichi; Asako, Shigeru; Yamada, Katsuya; Okabe, Kazuhiro; and Kashiwagi, Tohru, to Sumitomo Electric Industries, Ltd. Tubular prosthesis having a composite structure. 4,822,361, 4-18-89, Cl. 623-12.000.

Okita, Koichi: *See*—

Yamada, Katsuya; and Okita, Koichi, 4,832,713, Cl. 55-158.000.

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Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.

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Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, 4,884,278, Cl. 372-26.000.

Oklahoma Agricultural and Mechanical College acting for and on behalf of Oklahoma State University, The Board of Regents for the: *See*—

Berlin, Kenneth D.; Holt, Elizabeth M.; Ford, Warren T.; and Thompson, Mark D., 4,826,984, Cl. 546-134.000.

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Oklejas, Eli, Jr.; and Oklejas, Robert. Idler disk. 4,830,572, 5-16-89, Cl. 415-110.000.

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Okonogi, Hirotaka: *See*—

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Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.

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Eber, David H.; Kotlarek, Peter A.; and Okoren, Ronald W., 4,820,130, Cl. 417-32.000.

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Okouchi, Satoshi, to Kabushiki Kaisha Toshiba. Wire dot matrix printer capable of printing letters on a plurality of superposed sheets of paper. 4,797,017, 1-10-89, Cl. 400-59.000.

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Maruyama, Masanori; Oku, Kentaro; Fukushima, Masakazu; Kato, Shinichi; and Kurashige, Mitsuhiro, 4,866,337, Cl. 313-432.000.

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Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Oku, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, 4,795,120, Cl. 248-289.100.

Oku, Seiji; Shimamura, Tooru; Naganawa, Kazutomo; and Tanamura, Toshiya, to Omron Tateisi Electronics Co. Multi channel temperature controller utilizing electronic multiplexer. 4,875,042, 10-17-89, Cl. 340-870.170.

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Oku, Tomoki, to Mitsubishi Denki Kabushiki Kaisha. Josephson junction type radiation energy analyzer. 4,851,680, 7-25-89, Cl. 250-336.200.

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Hirakawa, Tadashi; Seki, Yukuharu; and Oku, Yukio, 4,846,778, Cl. 493-354.000.

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Okubi, Kenichi; Nogami, Tatsuya; and Takakura, Makoto, to Nissan Chemical Industries Ltd. Formation of catalytic metal nuclei for electroless plating. 4,830,880, 5-16-89, Cl. 427-229.000.

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Nakashima, Sumio; Sogabe, Hideki; Yoshida, Hiroshi; and Okubo, Atsushi, 4,833,267, Cl. 60-205.000.

Okubo, Kazuo: *See—*

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Okubo, Mika: *See—*

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Saito, Toshiyuki; Okubo, Naofumi; Kaneko, Yoshiaki; and Tokumitsu, Yasuyuki, 4,796,155, Cl. 361-385.000.

Okubo, Osamu; Kato, Takeo; and Tsushima, Tetsurou, to Nihon Shinku Gijutsu Kabushiki Kaisha; and Nippondenso Co., Ltd. Vacuum brazing apparatus. 4,874,918, 10-17-89, Cl. 219-85.110.

Okubo, Sakae: *See—*

Iinuma, Kazumoto; Koga, Toshio; Furukawa, Akihiro; Okubo, Sakae; Hashimoto, Hideo; and Mukawa, Naoki, 4,802,006, Cl. 358-135.000.

Okubo, Toshimitsu; Takezawa, Mamoru; Satoh, Mitsuyoshi; and Suzuki, Kazuhiro, to Ricoh Company, Ltd. Printer paper bail device. 4,799,814, 1-24-89, Cl. 400-639.100.

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Uchida, Hiroyuki; Kaneko, Setsuo; and Okubo, Toshio, 4,827,117, Cl. 250-211.00R.

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Okuda, Akihiko; Totake, Yukinori; and Matsumura, Hideki, to Denki Kagaku Kogyo Kabushiki Kaisha. Process for producing 2,3 dichlorobutadiene-1,3. 4,876,407, 10-24-89, Cl. 570-239.000.

Okuda, Akihito; and Katagiri, Yoshihiro, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulically operated continuously variable transmission. 4,845,961, 7-11-89, Cl. 60-489.000.

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Kuwajima, Teruaki; Uenoyama, Kazuo; Takae, Masaki; and Okuda, Hidefumi, 4,812,335, Cl. 427-407.100.

Kuwajima, Teruaki; Umeda, Shinichiro; and Okuda, Hidefumi, 4,820,555, Cl. 427-407.100.

Mizuguchi, Katsumi; Okude, Yoshitaka; Miwa, Hiroshi; and Okuda, Hidefumi, 4,861,839, Cl. 525-506.000.

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Okuda, Hiroko; and Takenaka, Makoto, to Casio Computer Co., Ltd. Electronic musical instrument with touch response function. 4,875,400, 10-24-89, Cl. 84-626.000.

Okuda, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Ignition system for an internal combustion engine. 4,856,488, 8-15-89, Cl. 123-599.000.

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Okuda, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Ignition apparatus for internal combustion engine. 4,887,581, 12-19-89, Cl. 123-602.000.

Okuda, Hiroshi: *See—*

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Okuda, Kanemasa: *See—*

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Okuda, Kiyoshi; Okada, Kiyonori; Ohtomo, Kazumi; and Nakata, Keiko, to Fujisawa Pharmaceutical Co., Ltd. Drug delivery device. 4,846,801, 7-11-89, Cl. 604-218.000.

Okuda, Masaaki: *See—*

Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.

Okuda, Masaharu; and Kawatoko, Toraji, to Taikisha Ltd. Automatic painting apparatus. 4,864,965, 9-12-89, Cl. 118-323.000.

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Handa, Yuichi; Okuda, Masahiro; and Osawa, Hiroshi, 4,887,255, Cl. 369-112.000.

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Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, to Kyocera Corporation Ceramic heater. 4,804,823, 2-14-89, Cl. 219-553.000.

Okuda, Reiichi; Komatsu, Masashi; Asanuma, Shin; and Hiratsuka, Noriko, to Okuda, Reiichi; and G-C Dental Industrial Corp. Method for bonding composite resin to dentin. 4,830,616, 5-16-89, Cl. 433-217.100.

Okuda, Shinji: *See—*

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Okuda, Shozo: *See—*

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Okuda, Soichiro: *See—*

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Okuda, Souitirou: *See—*

Ikegami, Kazunori; Okuda, Souitirou; Yamada, Tadatoshi; Yamamoto, Shunji; and Matsuda, Tetsuya, 4,806,871, Cl. 328-235.000.

Okuda, Taizo; Saito, Shinji; and Shishikura, Nobuo, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,802,137, 1-31-89, Cl. 365-201.000.

Okuda, Toshio, to 'totes', incorporated. Umbrella with shirred edge cover. 4,794,939, 1-3-89, Cl. 135-33.00R.

Okuda, Yasuji; Maruyama, Shizuo; and Sugimoto, Hiromasa, to Sakura Color Products Corporation. Solid coating compositions. 4,829,108, 5-9-89, Cl. 524-37.000.

Okuda, Yoshihiko: *See—*

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Tanihara, Mamoru; Okuda, Yoshiro; and Sadamura, Hideaki, 4,865,834, Cl. 423-634.000.

Okuda, Yosiro: *See—*

Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.

Okuda, Yukito: *See—*

Ishii, Koji; and Okuda, Yukito, 4,860,651, Cl. 101-232.000.

Okuda, Yutaka: *See—*

Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.

Matsuo, Mamoru; Okuda, Yutaka; Takizawa, Kazushige; and Sekaki, Hirokazu, 4,861,396, Cl. 148-439.000.

Okudaira, Ken: *See—*

Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.

Okudaira, Sadayuki; Nishimatsu, Shigeru; Suzuki, Keizo; and Ninomiya, Ken, to Hitachi, Ltd. Method of and apparatus for etching. 4,844,767, 7-4-89, Cl. 156-345.000.

Okudaira, Sadayuki: *See—*

Tachi, Shinichi; Okudaira, Sadayuki; Tsujimoto, Kazunori; and Mukai, Kiichiro, 4,857,137, Cl. 156-640.000.

Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, to Toho Titanium Co., Ltd. Method for producing a metal from its halide. 4,877,445, 10-31-89, Cl. 75-0.50B.

Okudaira, Souichiro: *See—*

Ogasawara, Shinji; Isomura, Yukio; and Okudaira, Souichiro, 4,858,973, Cl. 292-347.000.

Okude, Yoshitaka: *See—*

Mizuguchi, Katsumi; Okude, Yoshitaka; Miwa, Hiroshi; and Okuda, Hidefumi, 4,861,839, Cl. 525-506.000.

Okudera, Tatsuya: *See—*

Yamazaki, Iwao; Nakamichi, Yuji; Abe, Keizo; and Okudera, Tatsuya, 4,813,412, Cl. 128-303.130.

Okudo, Yoshikazu: *See—*

Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, 4,866,612, Cl. 364-413.220.

Okuhara, Hisakazu: *See—*

Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, 4,864,086, Cl. 200-61.530.

Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatari, Hidetoshi; and Akiyama, Akihiko, 4,840,325, Cl. 242-107.200.

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Okuhara, Tetsuo: *See—*

Shikanai, Naoki; Okuhara, Tetsuo; and Tanaka, Koji, 4,834,562, Cl. 400-54.000.

Okui, Shuko: *See—*

Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, 4,861,777, Cl. 514-234.500.

Okuma, Atsushi: *See—*

Fukuda, Kazuhide; Okuma, Atsushi; and Ota, Miwako, 4,814,427, Cl. 528-230.000.

Okuma, Genji: *See—*

Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, 4,873,475, Cl. 318-489.000.

Okuma, Kazuhiro: *See—*

Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.

Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato; and Kida, Hironobu, to Honda Giken Kogyo Kabushiki Kaisha. System for automatically distributing and supplying parts. 4,832,176, 5-23-89, Cl. 198-418.100.

Okuma, Masatsune: *See—*

Katayama, Sakae; Asano, Tadahiko; Okuma, Masatsune; and Nakanishi, Keisyo, 4,814,406, Cl. 526-318.400.

Okuma, Shigeki; and Hagiwara, Masato, to Koito Manufacturing Co., Ltd. Very-wide-angle nozzle unit for headlight cleaner. 4,811,903, 3-14-89, Cl. 239-284.200.

Okuma, Shigeki: *See—*

Sugasawa, Masatoshi; and Okuma, Shigeki, 4,817,648, Cl. 134-57.00R.

Okuma, Takanori: *See—*

Handa, Akio; Hosoya, Eiji; Mizumoto, Kousei; Ishiwatari, Makoto, and Okuma, Takanori, 4,799,565, Cl. 180-69.400.

Okumoto, Toyoharu: *See—*

Oishi, Konosuke; Okumoto, Toyoharu; Tobe, Hayato; and Tsukada, Masamichi, 4,840,484, Cl. 356-312.000.

Oisni, Konosuke; Tsukada, Masamichi; Kitagawa, Masatoshi; Okumoto, Toyoharu; and Tobe, Hayato, 4,867,562, Cl. 356-312.000.

Okumoto, Yoshinao: *See—*

Matsuda, Toshiharu; and Okumoto, Yoshinao, 4,870,833, Cl. 62-134.000.

Okumoto, Yutaka, to Japan Tobacco Inc. Device for controlling contents of tobacco on cigarette manufacturing machine. 4,836,221, 6-6-89, Cl. 131-84.100.

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Okumura, Atsuo; and Demura, Takayuki, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having improved exhaust emission characteristics. 4,811,557, 3-14-89, Cl. 60-274.000.

Okumura, Atsuo; Ujino, Masato; and Kawase, Takashi, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having improved exhaust emission characteristics. 4,817,384, 4-4-89, Cl. 60-274.000.

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Okumura, Fujio, to NEC Corporation. Liquid crystal display device having improved electrodes for a multi-tone image. 4,850,677, 7-25-89, Cl. 350-333.000.

Okumura, Fujio, to NEC Corporation. Liquid crystal light valve showing an improved display contrast. 4,884,875, 12-5-89, Cl. 350-342.000.

Okumura, Hideyuki: *See—*

Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, 4,814,944, Cl. 361-403.000.

Okumura, Hiroyuki: *See—*

Matsuo, Masaaki; Morino, Daizo; Tsuji, Kiyoshi; and Okumura, Hiroyuki, 4,885,297, Cl. 514-253.000.

Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, 4,797,399, Cl. 514-253.000.

Okumura, Ichiro: *See—*

Tsukimoto, Takayuki; Okuno, Takuo; Izukawa, Kazuhiro; and Okumura, Ichiro, 4,810,923, Cl. 310-323.000.

Okumura, Jun: *See—*

Iimura, Seiji; Abe, Yoshio; Okumura, Jun; Naito, Takayuki; and Kamachi, Hajime, 4,874,856, Cl. 540-222.000.

Okumura, Katsuya, to Kabushiki Kaisha Toshiba. Semiconductor device having stacking structure. 4,807,021, 2-21-89, Cl. 357-75.000.

Okumura, Katsuya, to Kabushiki Kaisha Toshiba. Semiconductor device with a diffusion barrier contact of a refractory metal nitride and either carbon or boron. 4,823,182, 4-18-89, Cl. 357-67.000.

Okumura, Katsuya: *See*—
- Egawa, Hidemitsu; Aoki, Riichirou; and Okumura, Katsuya, 4,875,088, Cl. 357-67.000.
- Komatsu, Fumio; Miyoshi, Motosuke; and Okumura, Katsuya, 4,807,159, Cl. 364-524.000.
- Miyoshi, Motosuke; Okumura, Katsuya; and Ogawa, Shigeru, 4,800,268, Cl. 250-234.000.
- Miyoshi, Motosuke; and Okumura, Katsuya, 4,890,029, Cl. 313-7.000.

Okumura, Kazumasa: *See*—
- Morimoto, Masamichi; Okumura, Kazumasa; and Okahashi, Yoshikazu, 4,847,911, Cl. 382-8.000.
- Ueda, Hideshi; Okumura, Kazumasa; Morimoto, Masamichi; and Okahashi, Yoshikazu, 4,845,764, Cl. 382-8.000.

Okumura, Kinichi: *See*—
- Yamato, Motoyuki; Ueno, Susumu; Okumura, Kinichi; and Fuchi, Masao, 4,853,435, Cl. 525-193.000.

Okumura, Kiyoshi; and Oishi, Kazuaki, to Hitachi, Ltd. Gas-insulated switchgear apparatus. 4,866,569, 9-12-89, Cl. 361-335.000.

Okumura, Kiyoshi: *See*—
- Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, 4,864,286, Cl. 340-644.000.

Okumura, Kunihito: *See*—
- Iijima, Ikuo; Ozeki, Masakatsu; Okumura, Kunihito; and Inamasu, Masanori, 4,824,833, Cl. 514-230.500.

Okumura, Kunio: *See*—
- Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi. 4,814,938, Cl. 361-302.000.

Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahito; and Yamaguchi, Ryoichi, to Hitachi Ltd.; and Nippon Telegraph and Telephone Corp. Mark position detection system for use in charged particle beam apparatus. 4,808,829, 2-28-89, Cl. 250-491.100.

Okumura, Masahide: *See*—
- Saitou, Norio; Okumura, Masahide; Komoda, Tsutomu; and Ooyama, Mitsuo, 4,829,444, Cl. 364-468.000.
- Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, 4,841,191, Cl. 310-317.000.

Okumura, Michio, to Makita Electric Works, Ltd. Torque adjusting device for power driven rotary tools. 4,823,885, 4-25-89, Cl. 173-12.000.

Okumura, Minoru, to Kabushiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Powdery compound emulisifier and its production. 4,857,358, 8-15-89, Cl. 426-654.000.

Okumura, Minoru: *See*—
- Nakamura, Yoshiro; Mori, Kunio; Okumura, Minoru; Mochida, Yoshio; and Miyazaki, Matsuo, 4,801,394, Cl. 252-75.000.
- Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, 4,831,516, Cl. 364-700.000.

Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, to Konica Corporation. Silver halide photographic light-sensitive material which is excellent in rapid processability and has not very much sensitivity variation caused by a change on standing in the preparation of the light-sensitive material. 4,830,958, 5-16-89, Cl. 430-567.000.

Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, to Konica Corporation. Gold and sulfur sensitized silver halide light-sensitive photographic material. 4,863,844, 9-5-89, Cl. 430-569.000.

Okumura, Mitsuhiro: *See*—
- Kojima, Takaaki; and Okumura, Mitsuhiro, 4,839,270, Cl. 430-583.000.
- Naya, Eizo; and Okumura, Mitsuhiro, 4,870,231, Cl. 200-266.000.
- Ohbayashi, Keiji; Chino, Shigeo; Okumura, Mitsuhiro; and Onodera, Kaoru, 4,797,350, Cl. 430-380.000.
- Ohbayashi, Keiji; Okumura, Mitsuhiro; Kojima, Takaaki; and Tanaka, Shigeo, 4,818,671, Cl. 430-550.000.
- Tanaka, Shigeo; Okumura, Mitsuhiro; Kajiwara, Makoto; and Miyoshi, Masanobu, 4,863,846, Cl. 430-572.000.
- Utsunomiya, Shin; Okumura, Mitsuhiro; and Morita, Takeshi, 4,886,108, Cl. 164-461.000.

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Okumura, Mitsunao; Senda, Atsuo; and Imagawa, Shunjiro, to Murata Manufacturing Co., Ltd. Through type film capacitor. 4,845,587, 7-4-89, Cl. 361-302.000.

Okumura, Mitsunao, to Murata Manufacturing Co., Ltd. Through type capacitor. 4,887,185, 12-12-89, Cl. 361-302.000.

Okumura, Naoyuki: *See*—
- Kimura, Ippo; Okumura, Naoyuki; Aruga, Tomoe; and Arai, Yoshio, 4,882,644, Cl. 360-104.000.

Okumura, Nobuo, to Aisin Seiki Kabushiki Kaisha. Cryogenic refrigerator. 4,825,660, 5-2-89, Cl. 62-6.000.

Okumura, Nobuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Video recording and reproducing device and method including video signal record restart during rewind/playback operation after non-detection of pilot signal in video track. 4,823,198, 4-18-89, Cl. 358-311.000.

Okumura, Seigo: *See*—
- Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Urashima, Hidetoshi, 4,840,640, Cl. 8-506.000.
- Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Kubo, Shinji, 4,841,057, Cl. 546-183.000.

Okumura, Senji; Kobayashi, Yasuo; Sugiura, Ryuzo; and Ikeda, Masatoshi, to Tamura Electric Works, Ltd. Key telephone system. 4,821,316, 4-11-89, Cl. 379-156.000.

Okumura, Shigemi: *See*—
- Hirosawa, Toshio; Kurihara, Jun'ichi; and Okumura, Shigemi, 4,812,967, Cl. 364-200.000.

Okumura, Shigeo; and Inaba, Koshiro, to Sanshin Kogyo Kabushiki Kaisha. Knocking sensor for internal combustion engine. 4,805,442, 2-21-89, Cl. 73-35.000.

Okumura, Shinichi: *See*—
- Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

Okumura, Takashi; Yamaguchi, Koshiro; and Yuki, Yoshiaki, to Brother Kogyo Kabushiki Kaisha. Printer having a pivotally supported platen. 4,836,696, 6-6-89, Cl. 400-58.000.

Okumura, Takashi; and Yamaguchi, Koshiro, to Brother Kogyo Kabushiki Kaisha. Printing device. 4,838,718, 6-13-89, Cl. 400-234.000.

Okumura, Takatoshi: *See*—
- Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.
- Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.
- Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.

Okumura, Takeo: *See*—
- Suzuki, Toshio; and Okumura, Takeo, 4,859,457, Cl. 424-70.000.

Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, to Sumitomo Chemical Company Limited. Light-polarizing film. 4,803,014, 2-7-89, Cl. 252-585.000.

Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, to Sumitomo Chemical Company, Limited. Light-polarizing film. 4,859,039, 8-22-89, Cl. 350-398.000.

Okumura, Takuzo: *See*—
- Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.

Okumura, Teiji, to NEC Corporation. Opening command transmission system and method capable of reducing overhead in an information processing unit. 4,837,805, 6-6-89, Cl. 379-90.000.

Okumura, Toshiaki, to Grace Create Inc. Midget life-saving respirator gas tank apparatus. 4,887,591, 12-19-89, Cl. 128-205.210.

Okumura, Toshio: *See*—
- Nishio, Hisaharu; and Okumura, Toshio, 4,883,643, Cl. 422-94.000.

Okumura, Tsunemasa; and Kobayashi, Shunji, to Topy Kogyo Kabushiki Kaisha. Method for processing a nut seat on a wheel. 4,821,388, 4-18-89, Cl. 29-159.010.

Okumura, Tsunemasa: *See*—
- Imamura, Tadashi; Shigaki, Kazuyuki; Yamazaki, Yuji; Masuda, Tadashi; and Okumura, Tsunemasa, 4,861,113, Cl. 301-65.000.

Okumura, Tsuyoshi; and Nohara, Makoto, to Koyo Seiko Co., Ltd. Bearing assembly having a wheel speed sensor. 4,864,231, 9-5-89, Cl. 324-173.000.

Okumura, Yoshiaki: *See*—
- Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, 4,885,032, Cl. 75-251.000.

Okumura, Yoshiharu: *See*—
- Shiozawa, Kouji; Okumura, Yoshiharu; Imai, Chihiro; and Okamoto, Nobukazu, 4,820,674, Cl. 502-169.000.
- Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, 4,888,436, Cl. 556-413.000.

Okumura, Yoshinori, to Mitsubishi Denki Kabushiki Kaisha. Method of fabricating a trench capacitor cell for a semiconductor memory device. 4,877,750, 10-31-89, Cl. 437-47.000.

Okumura, Yoshitaka: *See*—
- Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.

Okunishi, Hiromu; and Tsukamoto, Ryuichi, to Honda Giken Kogyo Kabushiki Kaisha. Method of finishing gears. 4,850,760, 7-25-89, Cl. 409-37.000.

Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, to NGK Spark Plug Co., Ltd. Composite layer aluminum nitride base sintered body. 4,800,137, 1-24-89, Cl. 428-698.000.

Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, to NGK Spark Plug Co., Ltd. Aluminum nitride sintered body with high thermal conductivity and process for producing same. 4,877,760, 10-31-89, Cl. 501-98.000.

Okuno, Akiyasu: *See*—
- Iio, Satoshi; and Okuno, Akiyasu, 4,840,853, Cl. 428-698.000.

Okuno Chemical Industries Co., Ltd.: *See*—
- Tanaka, Noriko, 4,861,442, Cl. 204-44.200.

Okuno, Itaru; Fujita, Nagahisa; and Kaneko, Tadashi, to Mazda Motor Corporation. Constant speed control for a motor vehicle. 4,833,612, 5-23-89, Cl. 364-426.040.

Okuno, Keizo: *See*—
- Juso, Hiromi; Nishida, Shuzo; Okuno, Keizo; and Minoda, Hidenori, 4,869,566, Cl. 350-96.200.

Okuno, Kohichi: *See*—
- Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.

Okuno, Masaharu; Ishibashi, Toshihiro; Naitou, Satoshi; and Sasaki, Tatsuyoshi, to Osaka Gas Company, Ltd.; and Kabushiki Kaisha Hamatech. Rotary body room air heater. 4,836,183, 6-6-89, Cl. 126-110.00R.

Okuno, Masami: *See*—
- Nakatsuka, Iwao; Okuno, Masami; Shiba, Kunio; and Yoshitake, Akira, 4,885,152, Cl. 424-1.100.

Okuno, Michiharu, to Mitsubishi Denki Kabushiki Kaisha. Dead tank circuit breaker. 4,810,840, 3-7-89, Cl. 200-144.0AP.

Okuno, Michiharu, to Mitsubishi Denki Kabushiki Kaisha. Switch operating mechanism. 4,839,476, 6-13-89, Cl. 200-17.00R.

Okuno, Noboru: *See*—
- Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,802,155, Cl. 369-77.200.
- Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,807,216, Cl. 369-77.200.

Okuno, Osamu; and Sugiyama, Shigeru, to Asahi Kasei Kogyo Kabushiki Kaisha. Light shielding screen structure and a process for producing the same. 4,877,308, 10-31-89, Cl. 350-276.00R.

Okuno, Shinichi: *See*—
- Utsumi, Atsushi; Okuno, Shinichi; and Hayami, Hiroyuki, 4,867,529, Cl. 350-96.250.

Okuno, Takashi: *See*—
- Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, 4,867,641, Cl. 415-215.100.

Okuno, Takuo, to Canon Kabushiki Kaisha. Vibration wave motor. 4,857,793, 8-15-89, Cl. 310-328.000.

Okuno, Takuo: *See*—
- Tsukimoto, Takayuki; Okuno, Takuo; Izukawa, Kazuhiro; and Okumura, Ichiro, 4,810,923, Cl. 310-323.000.

Okuno, Tatsuya: *See*—
- Kuriyama, Akira; and Okuno, Tatsuya, 4,851,481, Cl. 525-454.000.

Okuno, Yoshihiko: *See*—
- Nambu, Masao; Kuwabara, Osamu; Okuno, Yoshihiko; and Ohban, Toshiyuki, 4,828,493, Cl. 433-199.100.

Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, to Kabushiki Kaisha Daikin Seisakusho. Outer wall structure of a torque converter and others. 4,867,641, 9-19-89, Cl. 415-215.100.

Okuno, Yoshihiro: *See*—
- Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, 4,848,912, Cl. 356-376.000.

Okuno, Yoshitaka: *See*—
- Amano, Tadashi; Okuno, Yoshitaka; and Watanabe, Junichi, 4,826,940, Cl. 526-61.000.

Okunomiya, Akiko: *See*—
- Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.

Okunoyama, Hikaru: *See*—
- Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, 4,868,584, Cl. 346-76.0PH.

Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, to Canon Kabushiki Kaisha. Electron emitting apparatus. 4,825,082, 4-25-89, Cl. 250-423.00F.

Okunuki, Masahiko: *See*—
- Goto, Susumu; Kumabe, Yuichi; and Okunuki, Masahiko, 4,812,662, Cl. 250-491.100.
- Nishimoto, Yoshifumi; Okunuki, Masahiko; Kariya, Takao; Kawai, Yasuo; and Atsuta, Akio, 4,830,498, Cl. 356-400.000.
- Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, 4,833,507, Cl. 357-4.000.
- Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.

Okunuki, Masami: *See*—
- Fujimura, Naoto; Sakai, Kiyoshi; and Okunuki, Masami, 4,835,079, Cl. 430-58.000.

Okura, Eiji; Tomita, Ichizo; and Ida, Hiroyuki, to Diesel Kiki Co., Ltd. Air conditioner system for automobiles. 4,830,098, 5-16-89, Cl. 165-42.000.

Okura, Kazumasa; and Saito, Kazuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for storing chassis. 4,826,384, 5-2-89, Cl. 414-234.000.

Okura Kogyo Kabushiki Kaisha: *See*—
- Ueda, Minoru; Matsuda, Hideaki; and Murakami, Koichi, 4,832,987, Cl. 427-297.000.
- Ueda, Minoru; Matsuda, Hideaki; and Mori, Hideki, 4,888,403, Cl. 527-103.000.

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Okura, Yasunori: *See*—
- Asayama, Yoshio; Tsubota, Makio; Takitani, Yukitaka; and Okura, Yasunori, 4,836,057, Cl. 74-867.000.

Okura Yusoki Kabushiki Kaisha: *See*—
- Suizu, Dairi, 4,884,676, Cl. 198-365.000.

Okura, Zenichi: *See*—
- Ogawa, Ryota; Toji, Shigeo; Yoshida, Kazushi; and Okura, Zenichi, 4,890,133, Cl. 354-402.000.

Okuri, Yasuhiro: *See*—
- Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.

Okurowski, Frank A.: *See*—
- Peregrim, Theadore J.; Okurowski, Frank A.; and Mangiapane, Rosario, 4,837,577, Cl. 342-80.000.

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Okushima, Masao; Iwaosa, Katsuaki; Baba, Susumu; and Houjo, Tokitsugu, to Mitsubishi Paper Mills, Ltd. Silver halide photographic emulsion containing predominantly silver bromide. 4,863,843, 9-5-89, Cl. 430-566.000.

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- Kitamura, Atsushi; and Okushima, Shigeru, 4,867,588, Cl. 400-240.200.

Okushiro, Susumu; Ikegami, Eitaro; Higashiyama, Seiichi; and Miyaji, Hiroyuki, to Polyplastics Co., Ltd. Polyacetal composition and method of preparation thereof. 4,831,073, 5-16-89, Cl. 524-424.000.

Okutani, Koji: *See*—
- Kato, Kenji; and Okutani, Koji, 4,858,542, Cl. 112-121.120.

Okutani, Norio, to Matsushita Electric Industrial Co., Ltd. Movable object position detecting method and apparatus. 4,843,236, 6-27-89, Cl. 250-231.0SE.

Okutani, Takeshi: *See*—
- Nakata, Yoshinori; Suzuki, Masaaki; and Okutani, Takeshi, 4,847,059, Cl. 423-341.000.

Okutani, Tetsuya: *See*—
- Inoue, Keizo; Nomura, Hiroaki; and Okutani, Tetsuya, 4,889,953, Cl. 564-293.000.

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- Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Okutomi, Masatoshi; Sueda, Tetsuo; and Tokuhara, Mitsuhiro, to Canon Kabushiki Kaisha. Image processing apparatus. 4,833,721, 5-23-89, Cl. 382-21.000.

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Okutsu, Eiichi, to Fuji Photo Film Co., Ltd. Method of developing photographic light-sensitive materials. 4,828,968, 5-9-89, Cl. 430-398.000.

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- Sasaoka, Senzo; Inoue, Nobuaki; and Okutsu, Eiichi, 4,839,259, Cl. 430-264.000.

Okutsu, Ichiro. Endoscope guide pipe. 4,819,620, 4-11-89, Cl. 128-4.000.

Okutsu, Kazuo: *See*—
- Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, Cl. 04862567729-.000.

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- Ryoke, Katsumi; Takahashi, Masatoshi; Okutu, Toshimitu; and Kosha, Hideaki, 4,803,121, Cl. 428-329.000.
- Ryoke, Katsumi; Okutu, Toshimitu; Takahashi, Masatoshi; and Yamada, Yasuyuki, 4,868,060, Cl. 428-422.800.

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Okuwaki, Toyoji: *See*—
- Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.

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- Hasegawa, Nobuo; and Okuyama, Eiichi, 4,814,653, Cl. 310-90.000.

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Okuyama, Hideo: *See—*
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- Kondo, Kazuo; Kurachi, Tatsunori; and Okuyama, Masahiko, 4,839,313, Cl. 501-14.000.

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- Tamaki, Nobuo, Okuyama, Masayoshi; Ida, Yasushi; and Yamada, Toru, 4,835,716, Cl. 364-558.000.

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- Sakamoto, Yukio; Madokoro, Shinichi; and Okuyama, Shingo, 4,801,904, Cl. 333-182.000.

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- Sakurai, Katukiyo; Ueno, Yoshio; and Okuyama, Takashi, 4,863,907, Cl. 514-56.000.

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- Tomura, Shinya; Okuyama, Tetsuo; Saito, Mitsunaga; and Uehara, Tsutomu, 4,833,059, Cl. 430-120.000.

Okuyama, Toshiaki: *See—*
- Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
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- Shimizu, Giichiro; Okuyama, Toshiharu; and Wakatsuki, Yoshio, 4,852,264, Cl. 33-832.000.
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- Schaumann, Jon P.; Olander, Jitka V.; Harakas, Nicholaos K.; and Feder, Joseph, 4,833,085, Cl. 435-240.270.
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Olausson, Lars: *See—*
- Herstad, Ola; and Olausson, Lars, 4,796,546, Cl. 110-216.000.

Olavson, Lars G., to Baker International Corporation. Scrubber-exhaust gas conditioner. 4,816,042, 3-28-89, Cl. 55-92.000.

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Olby, John K., to Cookson Group PLC. Method of preventing glaze defects. 4,806,507, 2-21-89, Cl. 501-17.000.

Old, John L.; and Summers, Harry, to Massey-Ferguson Services N.V. Throttle controls. 4,811,620, 3-14-89, Cl. 74-474.000.

Old, Lloyd: *See—*
- Albino, Anthony; Cairncross, J. Gregory; Eisinger, Magdalena; Houghton, Alan N.; and Old, Lloyd, 4,806,628, Cl. 530-387.000.

Old, Lloyd J.; Oettgen, Herbert F.; Ikeda, Hisami; Li, Lucy T. C.; Lloyd, Kenneth O.; and Dippold, Wolfgang G., to Sloan-Kettering Institute for Cancer Research. Monoclonal antibodies to cell surface antigens of human malignant melanoma. 4,808,704, 2-28-89, Cl. 530-387.000.

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- Mattes, M. Jules; Lewis, John L., Jr.; Old, Lloyd J.; Floyd, Kenneth O.; and Look, Katherine, 4,863,854, Cl. 435-7.000.
- Rettig, Wolfgang J.; Cordon-Cardo, Carlos; Koulos, John P.; Lewis, John L., Jr.; Oettgen, Herbert F.; and Old, Lloyd J., 4,851,332, Cl. 435-7.000.
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- Thomson, Timothy M.; Mattes, M. Jules; Old, Lloyd J.; Lloyd, Kenneth O.; and Roux, Linda, 4,798,790, Cl. 435-7.000.

Old, Michael J.: *See—*
- James, Leslie G.; and Old, Michael J., 4,877,969, Cl. 250-507.100.

Old Reliable Wholesale, Inc.: *See—*
- Crookston, Anthony J., 4,804,578, Cl. 428-304.400.

Old Town Canoe Company: *See—*
- Gilman, Llewellyn A., Jr., 4,836,963, Cl. 264-45.700.

Oldach, Detlef W. K., to U.S. Philips Corporation. Phase comparison circuit. 4,845,438, 7-4-89, Cl. 328-133.000.

Oldach, Detlef W. K.: *See—*
- Johanndeiter, Martin H.; and Oldach, Detlef W. K., 4,800,428, Cl. 358-142.000.

Oldacre, A. Q.: *See—*
- Taylor, Adoyal, 4,856,226, Cl. 43-113.000.

Oldani, Diego: *See—*
- Gatti, Gaetano; Oldani, Diego; Confalonieri, Carlo; and Gambini, Luciano, 4,840,938, Cl. 514-34.000.

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- Ciccarone, Angelo; Oldani, Emilio; and Scapecchi, Pier L., 4,884,539, Cl. 123-310.000.

Oldani, Jerome L.: *See—*
- Hollewed, Edward J.; Goeken, John D.; and Oldani, Jerome L., 4,811,387, Cl. 379-144.000.
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Oldendorf, Christian: *See—*
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Oldengott, Michael; Schade, Jorg; and Stephan, Peter, to Klockner-Becorit GmbH. Transfer station with lifting devices. 4,881,691, 11-21-89, Cl. 241-101.500.

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Oldford, William G. Fluid connector assembly. 4,863,202, 9-5-89, Cl. 285-321.000.

Oldham, Dean C.: *See—*
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Oldham, Keith: *See—*
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Oldham, Oliver G.: *See—*
- Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., 4,885,739, Cl. 370-58.100.

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- Kar, Naresh J.; and Oldham, Thomas W., 4,869,329, Cl. 175-57.000.
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O'Leary, Dennis E. Display container for a plurality of belts. 4,802,577, 2-7-89, Cl. 206-278.000.

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- Epperly, William R.; O'Leary, John H.; Sullivan, James C.; and Sprague, Barry N., 4,877,590, Cl. 423-235.000.

O'Leary, Paul, to Deutsche ITT Industries GmbH. Mosfet integrated delay line for digital signals. 4,806,804, 2-21-89, Cl. 307-605.000.

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- Murphy, Frank H.; and Oleksy, Matt W., 4,865,831, Cl. 423-463.000.

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O'Lenick, A. J., Jr.; and Smith, Wayne C., to GAF Corporation. Guerbet quaternary compounds. 4,800,077, 1-24-89, Cl. 424-70.000.

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Olerud, Sven E.; and Richter, Karl M., to Howmedica International, Inc. Aiming apparatus. 4,850,344, 7-25-89, Cl. 128-92.0VD.

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Olesak, John, to General Signal Corporation. Noise suppressing isolation transformer. 4,853,665, 8-1-89, Cl. 336-84.00C.

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Oleske, Peter J., to Armstrong World Industries, Inc. Compositions useful in copper oxidation, and a method to prepare copper oxidation solutions. 4,816,086, 3-28-89, Cl. 148-247.000.

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- Olin, Christian L. Bi-leaflet heart valve. 4,863,459, 9-5-89, Cl. 623-2.000.
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  - Bridges, William G.; and Armer, Thomas A., 4,869,956, Cl. 428-336.000.
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  - Butt, Sheldon H., 4,866,571, Cl. 361-386.000.
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  - Cawlfield, David W.; Bolick, Roger E., II; and Mabesoone, Joan A., 4,810,483, Cl. 423-512.00R.
  - Cawlfield, David W., 4,836,903, Cl. 204-228.000.
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  - Crane, Jacob; Johnson, Barry C.; Mahulikar, Deepak; and Butt, Sheldon H., 4,888,449, Cl. 174-52.400.
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  - Fister, Julius C.; Cherukuri, Satyam C.; Mahulikar, Deepak; and O'Donnelly, Brian E., 4,872,047, Cl. 357-67.000.
  - French, Cheryl B.; and Hyde, Gene A., 4,818,436, Cl. 252-400.230.
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  - Justice, David D.; Helmstetter, David A.; Reed, Emily J.; and Fukunaga. Tsujihiko, 4,830,837, Cl. 423-181.000.
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  - Pryor, Michael J.; Eppler, Richard A.; Smith, Edward F., III; and Butt, Sheldon H., 4,805,009, Cl. 357-70.000.
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  - Rothgery, Eugene F.; and Manke, Steven A., 4,800,232, Cl. 564-227.000.
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  - Scardera, Michael; and Roche, Thomas S., 4,863,563, Cl. 156-662.000.
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  - SinghDeo, Narendra N.; Mahulikar, Deepak; and Butt, Sheldon H., 4,882,212, Cl. 428-76.000.
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  - Walter, Jackie A.; Sharenow, Brett; Walker, Robert; and Voss, Scott V., 4,806,409, Cl. 428-138.000.
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  - Salamy, Thomas E.; Love, Marvin L., Jr.; and Towner, Mark E., 4,886,728, Cl. 430-331.000.
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- Oliphant, Andrew; and Sandbank, Charles P., to British Broadcasting Corporation. Color television system. 4,847,676, 7-11-89, Cl. 358-12.000.
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- Oliphant, Larry J., to Harnischfeger Corporation. Vehicle-mounted retrieval winch and control means therefor. 4,854,547, 8-8-89, Cl. 254-271.000.
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- Oliveau, Olivier: *See—*
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- Oliver, Harry S., Jr. Waveguide filter. 4,849,723, 7-18-89, Cl. 333-208.000.
- Oliver, James T.: *See—*
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- Oliver, Kirk, to Zenith Electronics Corporation. Independent top/bottom raster correction. 4,845,409, 7-4-89, Cl. 315-371.000.
- Oliver, Martin J.; Brazier, Kevin E.; and Boote, Stephen R., to Membrain Limited. Circuit testers. 4,827,208, 5-2-89, Cl. 324-73.00R.
- Oliver Products Company: *See—*
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- Oliver, Warren C., to Haynes International, Inc. Ductile nickel-silicon alloy. 4,806,305, 2-21-89, Cl. 420-457.000.
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- Olivo, Anthony R., to Union Carbide Corporation. Polyolefin blends. 4,804,714, 2-14-89, Cl. 525-240.000.
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- Olla, Michael A.: *See—*
  - Bond, Robert H.; Olla, Michael A.; Morrison, Barry; and Garrison, Linn C., 4,815,595, Cl. 206-329.000.
- Oller, Stephen G.: *See—*
  - Wagner, David J.; Picha, Dean M.; Oller, Stephen G.; and Laping, Robert J., 4,811,200, Cl. 364-200.000.
- Ollivier, Jean; and Barthomeuf, Jean-Paul, to Societe de Prospection et D'Inventions Techniques (S.P.I.T.). Fastening unit with nail anchorage. 4,797,046, 1-10-89, Cl. 411-448.000.
- Ollivier, Jean; and Almeras, Roland, to Societe de Prospection et d'Inventions Techniques S.P.I.T. Cone expansion wall plug. 4,854,793, 8-8-89, Cl. 411-49.000.
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- Ollivier, Jean: *See—*
  - Basset, Jean-Marie; Leconte, Michel; Ollivier, Jean; and Quignard, Francoise, 4,861,848, Cl. 526-169.000.
  - Laval, Jean-Paul; Leconte, Michel; Ollivier, Jean; Perez, Emile; Quignard, Francoise; and Rico, Isabelle, 4,837,188, Cl. 502-107.000.
- Ollivier, Roland: *See—*
  - Buzas, Andre; and Ollivier, Roland, 4,882,331, Cl. 514-255.000.
- Olm, Myra T.: *See—*
  - Janusonis, Gaile A.; Jones, Ralph W.; Buntaine, James R.; Olm, Myra T.; and Eachus, Raymond S., 4,835,093, Cl. 430-567.000.
- Olm, Orville J.: *See—*
  - McAndless, John M.; Hancock, James R.; Barnett. Donald B.; Olm, Orville J.; Locke, Terry J. A.; and Maybank, John, 4,869,117, Cl. 73-864.340.
- Olmac B.V.: *See—*
  - Jacobs, Robert, 4,801,807, Cl. 250-515.100.
- Olmstead, Gordon: *See—*
  - Kershaw, Peter; Meixner, Beo; and Olmstead, Gordon, 4,884,844, Cl. 297-362.000.
- Olmstead, Neil R.: *See—*
  - Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; Olmstead, Neil R.; Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; and Frasier, Richard A., 4,853,784, Cl. 358-181.000.
  - Jackson, Richard A.; Symes, Peter D.; Bannister, Richard S.; Grancey, Thomas A.; Frasier, Richard A.; Abt, John; Barnett, Ronnie D.; Blecksmith, James E.; Windrem, Kevin D.; and Olmstead, Neil R., 4,858,011, Cl. 358-181.000.
- Olmstead, William N.: *See—*
  - Schlosberg, Richard H.; and Olmstead, William N., 4,836,912, Cl. 208-112.000.
- Olness, Alan E.; Dahlem, Christopher; and Bohlman, Larry F., to United States of America, Agriculture. Isopotential available ion extractor. 4,816,161, 3-28-89, Cl. 210-638.000.
- Olney, John W., to Washington University. Phenothiazinealkaneamines for treatment of neurotoxic injury. 4,833,138, 5-23-89, Cl. 514-226.200.
- Olney, John W., to Washington University. Method of using alkenyl- or alkynyl-substituted thiobarbiturates to reduce neurotoxic injury. 4,833,148, 5-23-89, Cl. 514-270.000.

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Olodort, Robert; Micalizzi, Charles; Cambruzzi, Louis; and Turchik, Randy, to Print Things. Instant label printer for host computer. 4,875,174, 10-17-89, Cl. 364-519.000.

Olofson, Roy: *See—*

Bowman, Mark; Olofson, Roy; Malfroot, Thierry; and Senet, Jean-Pierre, 4,808,743, Cl. 558-141.000.

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Cherry, David A.; Maryanoff, Cynthia A.; Mills, John E.; Olofson, Roy A.; and Rodgers, James D., 4,798,893, Cl. 544-215.000.

Olofsson, Bjorn. Pump arrangement, particularly for pumping water from deep wells. 4,822,257, 4-18-89, Cl. 417-389.000.

Olofsson, Bjorn. Pump arrangement, particularly for pumping water from deep wells. 4,886,428, 12-12-89, Cl. 417-389.000.

Olofsson Corporation, The: *See—*

Dady, Kenneth J., Sr., 4,810,161, Cl. 414-700.000.

Garnett, Donald W., 4,802,558, Cl. 188-134.000.

Olofsson, Goran; and Andersson, Tord, to Affarsverket FFV. Mechanism for practice mines. 4,850,276, 7-25-89, Cl. 102-401.000.

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Malmqvist, Magnus; and Olofsson, Goran, 4,833,093, Cl. 436-527.000.

Roffey, Roger; Olofsson, Goran; Norqvist, Anders; and Hulten, Goran, 4,808,538, Cl. 436-6.000.

Olofsson, Hans, to Svenska Rotor Maskiner AB. Rotary positive displacement machine for a compressible working fluid. 4,863,357, 9-5-89, Cl. 417-356.000.

Olofsson, Jan I.: *See—*

Kullendorff, Anders N.; Jansson, Bjorn G.; and Olofsson, Jan I., 4,813,381, Cl. 122-4.00D.

Olofsson, Lars: *See—*

Andersson, Kenneth; Andersson, Bruno; and Olofsson, Lars, 4,794,770, Cl. 70-234.000.

Olofsson, Mats: *See—*

Akesson, Yngve R.; Hansson, Nils E.; Olofsson, Mats; and Pegoraro, Guiliano, 4,868,951, Cl. 17-54.000.

Olombel, Andre: *See—*

Rague, Bruno; and Olombel, Andre, 4,851,694, Cl. 250-497.100.

Olorenshaw, George M.; and Macedo, Al. Lid removing tool. 4,881,432, 11-21-89, Cl. 81-3.360.

O'Loughlin, Francis A., to Thomas & Betts Corporation. Electrical connector for overlapped conductors. 4,875,876, 10-24-89, Cl. 439-431.000.

O'Loughlin, Howard. Auger snowblower. 4,869,003, 9-26-89, Cl. 37-255.000.

Olovson, Gudmar. Quickly attachable button arrangement. 4,794,672, 1-3-89, Cl. 24-112.000.

Olrik, Henrik-Gerner. Distilling and desalination apparatus. 4,822,455, 4-18-89, Cl. 202-236.000.

Olry, Pierre: *See—*

Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claude; and Olry, Pierre, 4,806,666, Cl. 556-412.000.

Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, to SKF GmbH. Cage for a rolling bearing. 4,804,276, 2-14-89, Cl. 384-526.000.

Olschewski, Armin; Schlereth, Armin; and Hoch, Paul-Gerhard, to SKF GmbH. Apparatus and system for converting pivoting motion to an axial displacement. 4,860,605, 8-29-89, Cl. 74-99.00R.

Olschewski, Horst A. Pool exercise device. 4,822,031, 4-18-89, Cl. 272-71.000.

Olsen, Aage: *See—*

Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, 4,874,464, Cl. 156-646.000.

Olsen, Albert B.: *See—*

Gale, Edwin J.; and Olsen, Albert B., 4,808,117, Cl. 439-192.000.

Olsen, Arthur M.: *See—*

McGowan, David L., III; Olsen, Arthur M.; and Oxenberg, Steven M., 4,797,669, Cl. 340-870.400.

Olsen, Deborah J.: *See—*

Dannels, Bobby F.; and Olsen, Deborah J., 4,849,556, Cl. 570-172.000.

Dannels, Bobby F.; Olsen, Deborah J.; and Forcucci, John, 4,873,382, Cl. 570-177.000.

Olsen, Douglas L.: *See—*

Bertelsen, Robert A.; and Olsen, Douglas L., 4,846,970, Cl. 210-232.000.

Olsen, Duane A.; and Bernstein, David. Colloidal gold particle concentration immunoassay. 4,853,335, 8-1-89, Cl. 436-527.000.

Olsen, Eric. Fluid foil system. 4,864,949, 9-12-89, Cl. 114-39.100.

Olsen, Floyd W., to International Business Machines Corporation. Bi-directional circuit to interface between a low current device and high current tester. 4,879,661, 11-7-89, Cl. 364-483.000.

Olsen, Fred; and Natvig, Birger J., to Olsen, Fred. Floating platform structure. 4,834,014, 5-30-89, Cl. 114-265.000.

Olsen, Fred, to Timex Corporation. Wristwatch radiotelephone. 4,847,818, 7-11-89, Cl. 368-10.000.

Olsen, Fred: *See—*

Thinesen, Tom; Houlihan, John; Reichel, Judith; and Olsen, Fred, 4,847,820, Cl. 368-282.000.

Olsen, George P.: *See—*

Ely, Stephen R.; and Olsen, George P., 4,826,600, Cl. 210-603.000.

Olsen, Gordon E.: *See—*

Effland, Richard C.; Klein, Joseph T.; Davis, Larry; and Olsen, Gordon E., 4,868,190, Cl. 514-278.000.

Effland, Richard C.; Davis, Larry; Kapples, Kevin J.; and Olsen, Gordon E., 4,879,382, Cl. 540-554.000.

Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,812,456, Cl. 514-225.500.

Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,822,796, Cl. 514-225.500.

Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,853,384, Cl. 514-255.000.

Helsley, Grover C.; Davis, Larry; and Olsen, Gordon E., 4,861,889, Cl. 546-183.000.

Olsen, Hans, to Aktiebolaget Svensk Eldental. Brush head, a method and a machine for manufacturing thereof. 4,869,277, 9-26-89, Cl. 15-167.100.

Olsen, Hans A. S.: *See—*

Jensen, Villy J.; Pedersen, Sven; and Olsen, Hans A. S., 4,871,571, Cl. 426-548.000.

Olsen, Hans S.: *See—*

de Baynast de Septfontaines, Regis J. M. P.; Brouard, Francois E. M. E.; Baret, Jean-Luc A. G.; Gicquiaux, Yvon G. A. J. M.; and Olsen, Hans S., 4,886,672, Cl. 426-48.000.

Olsen, James L., to Carolina Medical Products Company, Inc. Alkali metal ion-charged, cation exchanger and use thereof to adjust sodium, potassium and calcium body fluid levels. 4,837,015, 6-6-89, Cl. 424-79.000.

Olsen, James L., to Carolina Medical Products, Inc. Low foaming, aqueously homogenizable rifampin composition. 4,837,029, 6-6-89, Cl. 424-451.000.

Olsen, James L., to Carolina Medical Products, Inc. Spironolactone composition. 4,837,211, 6-6-89, Cl. 514-175.000.

Olsen, John W.: *See—*

Scherbarth, David W.; Deis, Daniel W.; and Olsen, John W., 4,841,833, Cl. 89-8.000.

Olsen, Kristin M.: *See—*

Reichel, Judith; and Olsen, Kristin M., 4,862,435, Cl. 368-282.000.

Olsen, Ole B.: *See—*

Schultze, Walter J.; and Olsen, Ole B., 4,850,808, Cl. 417-68.000.

Olsen, Raymond P.: *See—*

Blair, Charles M., Jr.; Stout, Charles A.; and Olsen, Raymond P., 4,814,094, Cl. 252-8.554.

Olsen, Richard, to Prime Computer, Inc. Horizontal scroll method and apparatus. 4,803,478, 2-7-89, Cl. 340-726.000.

Olsen, Richard G., to United States of America, Navy. Near-field radio wave dosimetry. 4,813,789, 3-21-89, Cl. 374-32.000.

Olsen, Robert H.: *See—*

Smith, Stanton D.; Hertz, David; Wolf, Robert B.; and Olsen, Robert H., 4,871,966, Cl. 324-309.000.

Olsen, Robert J., to Amoco Corporation. Process for making N-alkylpyrrolidones. 4,814,464, 3-21-89, Cl. 548-552.000.

Olsen, Robert J., to Amoco Corporation. Ammonolysis-alkylation reactions using ammonia and an alcohol to prepare N-alkyl maleimides and N-alkyl succinimides. 4,841,069, 6-20-89, Cl. 548-545.000.

Olsen, Robert W.: *See—*

Flower, Ronald J.; Olsen, Robert W.; Van Ells, Michael A.; and Flatau, Ralph, 4,863,265, Cl. 356-41.000.

Shreiner, Thomas A.; Vincent, William W.; and Olsen, Robert W., 4,866,896, Cl. 52-235.000.

Olsen, Roger A.: *See—*

Chernega, John G.; Martens, John A.; Olsen, Roger A.; and Cottingham, Auburn B., deceased, 4,889,895, Cl. 525-278.000.

Olsen, Ronald H.: *See—*

Sawchuk, David L. M.; and Olsen, Ronald H., 4,818,406, Cl. 210-611.000.

Olsen, Sharon M.: *See—*

Sallavanti, Robert A.; Dalton, Jeffrey L.; and Olsen, Sharon M., 4,800,122, Cl. 428-412.000.

Olsen, Steven L.; Petrick, William R.; and Stodt, John A., to Deseret Research, Inc. Survey system and method for real time collection and processing of geophysicals data using signals from a global positioning satellite network. 4,814,711, 3-21-89, Cl. 324-331.000.

Olsen, Thomas G.: *See—*

Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., 4,883,549, Cl. 156-161.000.

Olsen, Torodd E., to Haugesund Mekaniske Verksted A/S. Method for constructing huge modules, and a module fabricated by said method. 4,883,389, 11-28-89, Cl. 405-204.000.

Olshansky, Alan S.: *See—*

Dougherty, Michael J.; and Olshansky, Alan S., 4,836,806, Cl. 439-751.000.

Olshansky, Kenneth: *See—*

Paul, Patrick R. D.; Price, James H.; and Olshansky, Kenneth, 4,796,948, Cl. 297-284.000.

Olson, A. L.; Batcheller, Tom A.; Rindfleisch, J. A.; and Morgan, John M., to United States of America, Energy. Enclosed rotary disc arc pulser. 4,881,574, 11-21-89, Cl. 137-624.130.

Olson, Allan G.; and Heiles, Tod S., to Hewlett-Packard Company. Unified paper path printer. 4,808,019, 2-28-89, Cl. 400-605.000.

Olson, Anthony M.; Robinson, Thomas N.; and Rajaram, Babu, to Zenith Electronics Corporation. Main memory access in a microprocessor system with a cache memory. 4,847,758, 7-11-89, Cl. 364-200.000.

Olson, Bradley J.; and Cueva, Roberto A. User expandable container. 4,848,589, 7-18-89, Cl. 206-621.100.

Olson, Bruce R. Apparatus for training skiers. 4,802,856, 2-7-89, Cl. 434-253.000.

Olson, David V. Protective face shield. 4,852,185, 8-1-89, Cl. 2-9.000.

Olson, Denis E.: *See—*

Gadsby, Peter D.; Moore, Martin R.; Olson, Denis E.; and Scott, Barry M., 4,852,571, Cl. 128-640.000.

Olson, Dennis: *See—*

Freda, Gerald; Bogacz, Joseph; Freda, Joseph; and Olson, Dennis, 4,800,094, Cl. 426-513.000.

Olson, Don C.: *See—*

Jordan, Jeffrey W.; and Olson, Don C., 4,816,226, Cl. 422-81.000.

Olson, Donald C.; and Miller, John J., deceased (by Miller, Wayne R., executor), to Shell Oil Company. H_2S removal process and composition. 4,859,436, 8-22-89, Cl. 423-221.000.

Olson, Donald C.; Miller, John J., deceased; Miller, Wayne R., executor; Blytas, George C.; and Diaz, Zaida, to Shell Oil Company. Process and composition for H_2S removal. 4,871,520, 10-3-89, Cl. 423-221.000.

Olson, Donald R.: *See—*

Zepernick, Dean E.; Olson, Donald R.; and Scott, Robert D., 4,889,153, Cl. 137-269.000.

Olson, Douglas J.: *See—*

Meyer, Richard A.; and Olson, Douglas J., 4,821,582, Cl. 73-862.040.

Olson, Earle L., to Olson Products, Inc. Insect trapping band. 4,800,671, 1-31-89, Cl. 43-108.000.

Olson, Elwin N. Sling oow. 4,877,007, 10-31-89, Cl. 124-22.000.

Olson, Elwyn H., to Honeywell Inc. Rotary switch with indexing structure mounted to a printed circuit board. 4,861,951, 8-29-89, Cl. 200-11.0DA.

Olson, Eric D.: *See—*

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Olson, Eugene H.: *See—*

Olson, Steven N.; Olson, Rodney J.; and Olson, Eugene H., 4,868,986, Cl. 30-193.000.

Olson, Eugene T. Panel saw apparatus. 4,802,399, 2-7-89, Cl. 83-425.000.

Olson, Fred C.: *See—*

Mayhew, Eric; Ehrke, M. Jane; Mace, Kenneth; Szoka, Francis; and Olson, Fred C., 4,873,088, Cl. 424-450.000.

Olson, Gene E., to Snap-on Tools Corporation. Quick release mechanism for ratchet wrench. 4,794,828, 1-3-89, Cl. 81-177.850.

Olson, Gregory B.; Watton, John F.; and Cohen, Morris, to Massachusetts Institute of Technology. Hydrogen-resistant high-strength steels and the method for the manufacture thereof. 4,836,869, 6-6-89, Cl. 148-331.000.

Olson, Hans E. E. Method for defrosting and device for the implementation of said method. 4,813,239, 3-21-89, Cl. 62-81.000.

Olson, James A.: *See—*

Barua, Arun B.; and Olson, James A., 4,855,463, Cl. 549-417.000.

Olson, Jay H., to Deere & Company. Pneumatic manifold quick coupling. 4,843,983, 7-4-89, Cl. 111-174.000.

Olson, Jay H.: *See—*

Ankum, Robert H.; and Olson, Jay H., 4,799,291, Cl. 16-259.000.

Cerny, John R., Jr.; Olson, Jay H.; Hall, James W.; and Erdman, Leon P., 4,887,420, Cl. 56-320.200.

Webber, Jerry D.; Olson, Jay H.; and Gallens, Richard F., 4,836,412, Cl. 221-211.000.

Olson, Jeffrey A.: *See—*

Borst, Gaylord M.; and Olson, Jeffrey A., 4,865,002, Cl. 123-532.000.

Olson, John E., to Cascade Corporation. Automatic load push-pull slipsheet handler. 4,861,223, 8-29-89, Cl. 414-661.000.

Olson, John H. Convertible walking/riding golf cart. 4,848,504, 7-18-89, Cl. 180-191.000.

Olson, Keith E., to Ecolab Inc. Encapsulated bleaches. 4,830,773, 5-16-89, Cl. 252-174.130.

Olson, Kenneth A., to Tjernlund Products, Inc. Apparatus for exhausting combustion gases from a gas water heater. 4,856,982, 8-15-89, Cl. 431-20.000.

Olson, Kurt D., to UOP. Process for the production of amides. 4,873,325, 10-10-89, Cl. 540-536.000.

Olson, Kurt D.; and Kaiser, Steven W., to UOP. Process for the production of alkylamines. 4,874,896, 10-17-89, Cl. 564-479.000.

Olson, Kurt G.: *See—*

Korenkiewicz, Stephen M.; Olson, Kurt G.; Boberski, William G.; Das, Suryya K.; Greer, S. Thomas; and Zaleski, Raymond E., 4,844,952, Cl. 427-258.000.

Olson, Larry D.; and Pallardy, Eugene P., Jr., to Allied-Signal Inc. Polyimide resin from bis-imide, polyphenol and dicyandiamide. 4,876,325, 10-24-89, Cl. 528-170.000.

Olson, Lynn T.: *See—*

Bales, Robert W.; and Olson, Lynn T., 4,890,237, Cl. 364-485.000.

Olson, Lynne A., to Ecolab Inc. Compositions and methods that introduce variations in color density into cellulosic fabrics, particularly indigo dyed denim. 4,832,864, 5-23-89, Cl. 252-174.120.

Olson Manufacturing Co.: *See—*

Agbay, Anthony J., 4,828,300, Cl. 292-256.600.

Olson, Mary Lou C. Chinese finger cuff dental floss. 4,817,643, 4-4-89, Cl. 132-329.000.

Olson, Maynard H.; Chang, John C.; and Muggli, Imelda A., to Minnesota Mining and Manufacturing Company. Process for providing polyamide materials with stain resistance with sulfonated novolak resin and polymethacrylic acid. 4,822,373, 4-18-89, Cl. 8-115.600.

Olson, Maynard V.; and Burke, David T., to Washington University. Large DNA cloning system based on yeast artificial chromosomes. 4,889,806, 12-26-89, Cl. 435-172.300.

Olson Pattern & Foundry Works, Inc.: *See—*

Olson, Raylin J.; Prunty, Lawrence L.; and Whitehead, Wendell W., 4,860,985, Cl. 248-229.000.

Olson Products, Inc.: *See—*

Olson, Earle L., 4,800,671, Cl. 43-108.000.

Olson, Ralph; and Kulbersh, Irwin, to Amco Corporation. Adjustable rack of shelves. 4,852,501, 8-1-89, Cl. 108-111.000.

Olson, Raylin J.; Prunty, Lawrence L.; and Whitehead, Wendell W., to Olson Pattern & Foundry Works, Inc. Bracket assembly for supporting a traffic sign. 4,860,985, 8-29-89, Cl. 248-229.000.

Olson, Raymond N.: *See—*

Flygare, Wayne A.; Olson, Raymond N.; Reynolds, Richard W.; and Aleem, Mohd A., 4,882,513, Cl. 310-114.000.

Olson, Richard E.: *See—*

Schmidt, William L.; Olson, Richard E.; and Bailey, Douglas A., 4,862,320, Cl. 361-383.000.

Olson, Richard H.: *See—*

Schluckebier, David K.; and Olson, Richard H., 4,815,388, Cl. 102-449.000.

Olson, Richard J.; and Gust, David C., to EquiMed Corporation. Method and system for gathering electrocardiographic data. 4,883,064, 11-28-89, Cl. 128-696.000.

Olson, Robert D. Security cover for telephone line installation backboard and method of retrofitting the same. 4,823,381, 4-18-89, Cl. 379-399.000.

Olson, Robert H.: *See—*

Broderick, Kevin; Catchman, Vernon C.; Herrington, Fox J.; Johnston, Shirley K.; Olson, Robert H.; and Stell, Donald, 4,850,946, Cl. 493-194.000.

Olson, Robert N., to Ampex Corporation. Low profile tilt lock mechanism with pivotable locking link to engage cam surface. 4,879,786, 11-14-89, Cl. 16-341.000.

Olson, Rodney J.: *See—*

Olson, Steven N.; Olson, Rodney J.; and Olson, Eugene H., 4,868,986, Cl. 30-193.000.

Olson, Rohn L.; and Caero, Jose G., to Bell Helicopter Textron Inc. Straight connecting hydraulic quick coupler. 4,819,692, 4-11-89, Cl. 137-614.030.

Olson, Roland F.; and Fergle, Richard R., to American Crystal Sugar Company. Method of removing sulfite from sugarbeets. 4,847,102, 7-11-89, Cl. 426-431.000.

Olson, Roland F.; and Fergle, Richard R., to American Crystal Sugar Company. Method of producing sulfite-free sugarbeet pulp. 4,882,190, 11-21-89, Cl. 426-541.000.

Olson, Ronald A.: *See—*

Buck, Arthur G.; Olson, Ronald A.; and Beck, Doris A., 4,861,945, Cl. 174-69.000.

Olson, Stephen C.: *See—*

Sawizky, Paul A.; Olson, Stephen C.; and Midttun, Ole H., 4,810,166, Cl. 416-167.000.

Olson, Steven N.; Olson, Rodney J.; and Olson, Eugene H. Chip cracker device. 4,868,986, 9-26-89, Cl. 30-193.000.

Olson, Thomas B.: *See—*

Streich, Herbert K.; Leach, Robert D.; Johnson, Joel R.; Olson, Thomas B.; and Townsend, Donald L., 4,873,422, Cl. 219-370.000.

Olson, Thomas R., to Dwyer Instruments, Inc. Air velocity transmitter device. 4,860,583, 8-29-89, Cl. 73-204.150.

Olson, Thorwald F., to Molex Incorporated. Universal packaging system for electrical components and the like. 4,815,594, 3-28-89, Cl. 206-328.000.

Olson, Timothy A.: *See—*

Johnson, William M.; Olson, Timothy A.; Dutton, Drew J.; Lee, Sherman; and Stoenner, David W., 4,878,166, Cl. 364-200.000.

Olson, Walter E.; Gupta, Dinesh K.; and Milaniak, Michael S., to United Technologies Corporation. Yttrium enriched aluminide coatings. 4,835,011, 5-30-89, Cl. 427-253.000.

Olson, William L.; Li, Beili; and Yamanis, Jean, to Allied-Signal Inc. Preparation of lanthanum chromate and lanthanum chromite powders by sol-gel. 4,830,780, 5-16-89, Cl. 252-521.000.

Olsovsky, Terry. Alarm clock latch device. 4,858,211, 8-15-89, Cl. 368-262.000.

Olsson, Billy E., to AMP Incorporated. Electrical connector having terminals with positive retention means and improved mating zones. 4,869,685, 9-26-89, Cl. 439-404.000.

Olsson, Erik: *See—*

Medin, Gunnar; Olsson, Erik; Sjoo, Lennart; and Lundgren, Roger, 4,881,448, Cl. 89-36.020.

Olsson, Frank C.: *See—*

Cohn, Robert J.; Olsson, Frank C.; Holzman, James W.; and Santarelli, Paul, 4,846,537, Cl. 312-229.000.

Olsson, Ingemar: *See—*

Dahmberg, Sven; Jonsson, Elof; Lilius, Per; Olsson, Ingemar; Hesselbom, Hjalmar; and Wennergren, Rolf, 4,869,170, Cl. 102-202.500.

Soremark, Christer; and Olsson, Ingemar, 4,857,126, Cl. 156-205.000.

Olsson, Jan O.: *See—*

Lindgren, Hakan; Olsson, Jan O.; Knudsen, Martin; and Ronningen, Knut, 4,854,960, Cl. 65-346.000.

Olsson, Kurt G., to Telefonaktiebolaget L M Ericsson. Arrangement in wave guide flanges. 4,845,448, 7-4-89, Cl. 333-254.000.

- Olsson, Mats, to Nobel Kemi AB. Propellant charge for cannons and a method of producing such a charge. 4,876,962, 10-31-89, Cl. 102-288.000.
- Olsson, Nils A.: *See—*
  - Alferness, Rodney C.; Henry, Charles H.; Kazarinov, Rudolf F.; Olsson, Nils A.; and Orlowsky, Kenneth J., 4,852,960, Cl. 350-96.190.
- Olsson, Nils E. H.: *See—*
  - Rubbmark, Jan R.; Unruh, Leif A.; Bjernstad, Bjorn L. G.; Olsson, Nils E. H.; and Gerlach, Mariusz, 4,810,957, Cl. 324-61.00R.
- Olsson, Sven G.; and Jonson, Bjorn, to Siemens Elema AB. Respirator and a method of utilizing the respirator to promote blood circulation. 4,840,167, 6-20-89, Cl. 128-28.000.
- Olszewski, James: *See—*
  - Fay, James E., III; and Olszewski, James, 4,810,256, Cl. 44-14.000.
  - Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,833,003, Cl. 428-198.000.
  - Win, Maung H.; Hata, Stephen S.; Abba, William A.; and Olszewski, James, 4,853,281, Cl. 428-286.000.
- Olszewski, William V.: *See—*
  - LeGrand, Donald G.; and Olszewski, William V., 4,861,666, Cl. 428-412.000.
- Oltean, Jerry M.; and Goodwin, Paul E., to Eaton Corporation. Wheel end valve for central tire inflation system. 4,877,048, 10-31-89, Cl. 137-225.000.
- Oltmann, Harold D.: *See—*
  - Chen, Shu P.; Engelmann, Theodore R.; and Oltmann, Harold D., 4,857,257, Cl. 264-310.000.
- Oltmanns, Oltmann: *See—*
  - Mahler, Gert; Cziptschirsch, Kurt; and Oltmanns, Oltmann, 4,844,530, Cl. 296-97.100.
- Oltmanns, Roger W., Jr.; and Sherman, William E., II, to Allied-Signal Inc. Brake shoe retainer. 4,809,825, 3-7-89, Cl. 188-73.310.
- Oltof, Henry G.: *See—*
  - Nook, Thomas J.; and Oltof, Henry G., 4,800,821, Cl. 108-111.000.
- Oltrogge, Robert D.: *See—*
  - Holzhauer, Juergen K.; Oltrogge, Robert D.; and Michalak, Dennis J., 4,886,901, Cl. 560-77.000.
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- Olympia Werke AG: *See—*
  - Frerichs, Klaus-Dieter, 4,859,097, Cl. 400-208.000.
- Olympic Co., Ltd.: *See—*
  - Ohmori, Toshitaka, 4,869,131, Cl. 74-750.00R.
- Olympic Manufacturing Group, Inc.: *See—*
  - Choiniere, Stanley W., 4,871,289, Cl. 411-48.000.
- Olympus Industries, Inc.: *See—*
  - Wade, Bill R.; and Wade, Thelma L., 4,816,283, Cl. 426-565.000.
  - Wade, Bill R.; and Wade, Thelma L., 4,828,866, Cl. 426-599.000.
  - Wade, Bill R.; and Wade, Thelma L., 4,830,868, Cl. 426-565.000.
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  - Akatsuka, Yuichiro, 4,879,665, Cl. 364-518.000.
  - Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.
  - Aoki, Norihiko, 4,830,476, Cl. 350-427.000.
  - Aoki, Norihiko; and Kikuchi, Juro, 4,883,346, Cl. 350-423.000.
  - Asakura, Yasuo; and Toyofuku, Toshiyuki, 4,862,207, Cl. 354-453.000.
  - Eino, Teruo, 4,803,562, Cl. 358-98.000.
  - Eino, Teruo, 4,819,065, Cl. 358-98.000.
  - Eino, Teruo, 4,847,684, Cl. 358-44.000.
  - Eino, Teruo; Amano, Atsushi; and Toda, Masato, 4,869,237, Cl. 128-6.000.
  - Fujihara, Tadafumi; Shimada, Yoshihiro; Nagano, Chikara; and Tsukamoto, Katsuo, 4,852,985, Cl. 350-523.000.
  - Fujiwara, Hiroshi, 4,798,451, Cl. 350-522.000.
  - Fukuda, Hiroyuki, 4,841,950, Cl. 128-4.000.
  - Funada, Saburo, 4,858,220, Cl. 369-116.000.
  - Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taiichi; and Manabe, Sugio, 4,844,887, Cl. 422-65.000.
  - Gotanda, Masakazu, 4,879,528, Cl. 331-4.000.
  - Hakamatsuka, Yasuharu; and Watanabe, Kazuhiro, 4,799,887, Cl. 433-212.100.
  - Hasegawa, Akira, 4,874,232, Cl. 350-427.000.
  - Hasegawa, Akira; Takahashi, Susumu; Tsuji, Kiyoshi; Nishioka, Kimihiko; and Matsui, Hiroshi, 4,882,619, Cl. 358-55.000.
  - Hasegawa, Hiroshi, 4,807,598, Cl. 128-6.000.
  - Hasegawa, Hiroshi, 4,848,817, Cl. 294-19.100.
  - Hasegawa, Hiroshi; and Miyanaga, Hirofumi, 4,860,732, Cl. 128-6.000.
  - Hasegawa, Hiroshi, 4,881,810, Cl. 356-241.000.
  - Hashiguchi, Toshihiko; Ikegami, Yoshie; and Isono, Kesao, 4,850,342, Cl. 128-6.000.
  - Hatori, Tsuruo, 4,805,596, Cl. 128-4.000.
  - Hayashi, Kenji, 4,851,164, Cl. 264-1.400.
  - Hibino, Hiroki; Kimura, Kenji; and Eino, Teruo, 4,853,773, Cl. 358-98.000.
  - Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.
  - Hibino, Hiroki; Nishikori, Toshiaki; and Kumura, Kenji, 4,860,094, Cl. 358-98.000.
  - Hibino, Hiroki; and Kimura, Kenji, 4,866,516, Cl. 358-98.000.
  - Horiguchi, Toshio; Akatsuka, Yuichiro; and Tanaka, Hisakatsu, 4,885,458, Cl. 235-454.000.
  - Horikawa, Yoshiaki, 4,800,269, Cl. 250-234.000.
  - Horikawa, Yoshiaki, 4,833,315, Cl. 250-201.000.
  - Hosoya, Takamasa; and Kimura, Kenji, 4,799,104, Cl. 358-98.000.
  - Hosoya, Takamasa, 4,800,437, Cl. 358-244.000.
  - Hyakumura, Kazushi, 4,831,276, Cl. 250-571.000.
  - Ida, Masatoshi, 4,827,365, Cl. 360-106.000.
  - Ieoka, Shoichi, 4,878,112, Cl. 358-98.000.
  - Ikuno, Yuji; and Hibino, Hiroki, 4,870,488, Cl. 358-98.000.
  - Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.
  - Imai, Masaharu, 4,890,308, Cl. 377-79.000.
  - Ishikawa, Tomonori; Fukaya, Takashi; Tsunoda, Toshiyuki; and Fujiwara, Hiroshi, 4,871,245, Cl. 350-502.000.
  - Ishimaru, Toshiaki; Kawamura, Shoji; and Matsutani, Shunji, 4,851,869, Cl. 354-195.100.
  - Ito, Hideo, 4,807,593, Cl. 128-4.000.
  - Iwasa, Kazuyuki; and Nakazawa, Hirotsugu, 4,885,600, Cl. 354-400.000.
  - Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Ota, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.
  - Kanamori, Iwao, 4,877,314, Cl. 350-422.000.
  - Kanbara, Koji, 4,805,595, Cl. 128-4.000.
  - Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, 4,872,458, Cl. 128-401.000.
  - Kaneko, Nobuyuki; and Kato, Kiichi, 4,890,274, Cl. 369-45.000.
  - Kanno, Masahide; Saito, Katsuyuki; and Miyazaki, Akihiko, 4,865,018, Cl. 128-6.000.
  - Kanno, Masahide; Yabe, Hisao; Yoshinaga, Jun; Yokoi, Takeshi; and Oozeki, Kazuhiko, 4,869,256, Cl. 128-660.040.
  - Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Yoshinaga, Jun; and Ohzeki, Kazuhiko, 4,884,133, Cl. 358-98.000.
  - Kato, Shinichi, 4,831,444, Cl. 358-160.000.
  - Kato, Tadashi, 4,872,029, Cl. 354-413.000.
  - Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,811,118, Cl. 358-311.000.
  - Katoh, Akira; Ida, Masatoshi; Yunoki, Yutaka; Harada, Hisayuki; Inoue, Manabu; and Fukuda, Yoshio, 4,873,580, Cl. 358-335.000.
  - Kawai, Sumio, 4,871,937, Cl. 310-323.000.
  - Kawashima, Masahiro, 4,796,604, Cl. 128-6.000.
  - Kidawara, Atsushi; Nishikori, Toshiaki; Kanno, Masahide; Yabe, Hisao; Katoh, Shinichi; Ikuno, Yuji; and Nakamura, Takeaki, 4,862,258, Cl. 358-98.000.
  - Kikuchi, Juro, 4,812,023, Cl. 350-427.000.
  - Kikuchi, Juro, 4,854,680, Cl. 350-423.000.
  - Kikuchi, Kenichi, 4,853,772, Cl. 358-98.000.
  - Kimura, Kenji; and Tsuji, Kiyoshi, 4,814,859, Cl. 358-22.000.
  - Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
  - Kimura, Kenji; and Kikuchi, Kenichi, 4,845,554, Cl. 358-98.000.
  - Kimura, Kenji, 4,846,155, Cl. 128-6.000.
  - Kimura, Kenji; and Tsuji, Kiyoshi, 4,860,091, Cl. 358-22.000.
  - Kimura, Kenji; and Tsuji, Kiyoshi, 4,860,095, Cl. 358-98.000.
  - Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.
  - Kobayashi, Kazunari, 4,868,645, Cl. 358-98.000.
  - Kogure, Eriko; Nakamura, Makoto; and Kumazawa, Toshiaki, 4,855,229, Cl. 435-28.000.
  - Konomura, Yutaka; and Tsuruoka, Takao, 4,845,553, Cl. 358-98.000.
  - Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.
  - Kunishige, Keiji; and Tsuchida, Hirofumi, 4,828,383, Cl. 356-1.000.
  - Maeno, Hitoshi; Miyazawa, Azuma; and Maruyama, Atsushi, 4,878,077, Cl. 354-400.000.
  - Matsueda, Akira, 4,803,475, Cl. 340-750.000.
  - Matsumoto, Kazuya; and Nakamura, Tsutomu, 4,857,981, Cl. 357-30.000.
  - Matsumoto, Kazuya; and Nakamura, Tsutomu, 4,878,120, Cl. 358-213.120.
  - Matsuura, Nobuyuki, 4,860,731, Cl. 128-6.000.
  - Matsuzaki, Minoru; Itoh, Junichi; and Watanabe, Youji, 4,873,543, Cl. 354-402.000.
  - Mihara, Shin-ichi, 4,818,083, Cl. 350-427.000.
  - Minami, Kazuyuki, 4,801,197, Cl. 350-622.000.
  - Miyazaki, Akihiko; Nonami, Tetsuo; and Ikuno, Yuji, 4,873,572, Cl. 358-98.000.
  - Miyazaki, Yasuhiro; Okada, Hiroo; Tsurukawa, Toshio; and Kobayashi, Shohei, 4,819,220, Cl. 369-45.000.
  - Motoyama, Kazuyasu; Yanagida, Tsuneo; Sakai, Mitsugu; Ichikawa, Hitoshi; and Yoshizawa, Akihiko, 4,837,758, Cl. 369-13.000.
  - Musha, Toshimitsu, 4,799,796, Cl. 356-336.000.
  - Nagano, Takashi; Tsunoda, Toshiyuki; and Fukaya, Takashi, 4,807,989, Cl. 351-212.000.
  - Nagano, Takashi; and Fukaya, Takashi, 4,815,832, Cl. 350-522.000.

  - Nagasaki, Tatsuo; and Fujimori, Hiroyoshi, 4,821,116, Cl. 358-98.000.
  - Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
  - Nakajima, Shigeru, 4,800,869, Cl. 128-4.000.
  - Nakajima, Shigeru, 4,854,301, Cl. 128-4.000.
  - Nakajima, Yukio; and Hara, Minoru, 4,814,812, Cl. 354-412.000.
  - Nakajima, Yukio; Miyasaka, Tetsuo; and Kawai, Sumio, 4,857,951, Cl. 354-400.000.
  - Nakamura, Junichi; and Mizoguchi, Toyokazu, 4,806,779, Cl. 250-578.000.
  - Nakamura, Kazunari, 4,878,113, Cl. 358-98.000.
  - Nakamura, Tsutomu, 4,819,071, Cl. 358-213.160.
  - Nakano, Hiroshi; Takeuchi, Toyoaki; Tsunoda, Toshiyuki; and Kinukawa, Masahiko, 4,878,746, Cl. 350-507.000.
  - Nakazawa, Hirotsugu; and Fukushima, Mitsugi, 4,849,781, Cl. 354-403.000.
  - Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.
  - Namba, Akihiro, 4,828,388, Cl. 356-336.000.
  - Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.
  - Nishikawa, Masaji, 4,799,070, Cl. 346-159.000.
  - Nishikawa, Masaji, 4,805,033, Cl. 358-298.000.
  - Nishioka, Kimihiko; and Yoshinaga, Jun, 4,805,028, Cl. 358-225.000.
  - Nishioka, Kimihiko; and Yabe, Hisao, 4,807,026, Cl. 358-98.000.
  - Nishioka, Kimihiko, 4,824,225, Cl. 350-432.000.
  - Nishioka, Kimihiko; and Uehara, Masao, 4,831,437, Cl. 358-98.000.
  - Nishioka, Kimihiko; Tojo, Kikumi; and Yokota, Akira, 4,867,546, Cl. 350-432.000.
  - Noguchi, Toshiaki, 4,800,424, Cl. 358-98.000.
  - Noguchi, Toshiaki, 4,870,487, Cl. 358-98.000.
  - Nonaka, Osamu, 4,855,585, Cl. 250-201.000.
  - Nozawa, Toshihide, 4,834,513, Cl. 350-427.000.
  - Ogata, Yasuji; and Yamanashi, Takanori, 4,836,662, Cl. 350-427.000.
  - Ogata, Yasuzi; and Ohi, Takao, 4,838,669, Cl. 350-427.000.
  - Ogiu, Hisao, 4,879,991, Cl. 128-6.000.
  - Ogiu, Hisao, 4,890,159, Cl. 358-98.000.
  - Ohkuwa, Hideki; and Hasegawa, Akira, 4,802,460, Cl. 128-6.000.
  - Ohno, Kunio, 4,840,176, Cl. 128-303.140.
  - Ohta, Yoshinori, 4,889,826, Cl. 437-40.000.
  - Okabe, Minoru; Yokota, Akira; and Nishioka, Kimihiko, 4,806,001, Cl. 350-432.000.
  - Okada, Hiroo; Ikeda, Yoshiaki; and Ohsima, Ken, 4,837,757, Cl. 369-44.000.
  - Okada, Minoru, 4,794,911, Cl. 128-4.000.
  - Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.
  - Okada, Takao; and Morimoto, Masamichi, 4,813,016, Cl. 365-107.000.
  - Okada, Takao; Kouchi, Toshihito; Mishima, Shuzo; Ogawa, Haruo; Morita, Seizo; and Mikoshiba, Nobuo, 4,877,957, Cl. 250-306.000.
  - Rokutan, Takao, 4,797,872, Cl. 369-109.000.
  - Sakagami, Toshio, 4,849,176, Cl. 422-64.000.
  - Sakuma, Hajime, 4,861,554, Cl. 422-65.000.
  - Sanagi, Kenichiro, 4,857,057, Cl. 604-164.000.
  - Sato, Makoto, 4,843,419, Cl. 354-426.000.
  - Sato, Michio; Kambara, Koji; and Nakajima, Yukio, 4,841,952, Cl. 128-6.000.
  - Satokata, Akihiko, 4,866,689, Cl. 369-44.000.
  - Sekino, Naomi; and Tashiro, Yoshio, 4,836,211, Cl. 128-662.050.
  - Shimada, Yoshihiro; Fujihara, Tadafumi; Nagano, Chikara; and Tsukamoto, Katsuo, 4,812,039, Cl. 356-129.000.
  - Shimizu, Yoshihito; and Yamaguchi, Tatsuya, 4,841,949, Cl. 128-4.000.
  - Shimonaka, Hideki; Yoshimoto, Yosuke; and Nakazawa, Masaaki, 4,794,913, Cl. 128-4.000.
  - Shimonaka, Hideki; and Nakamura, Ichiro, 4,809,679, Cl. 128-4.000.
  - Shinozuka, Minoru, 4,865,017, Cl. 128-4.000.
  - Shishido, Yoshio, 4,868,015, Cl. 427-261.000.
  - Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
  - Suzuki, Akira, 4,870,951, Cl. 128-6.000.
  - Takada, Katsuhiro; and Yamanashi, Takanori, 4,840,467, Cl. 350-427.000.
  - Takada, Katsuhiro, 4,880,298, Cl. 350-414.000.
  - Takahashi, Yutaka, 4,867,137, Cl. 128-6.000.
  - Takamura, Koji, 4,831,456, Cl. 358-229.000.
  - Takayama, Syuichi, 4,799,482, Cl. 128-328.000.
  - Takehana, Sakae; Ueda, Yasuhiro; and Sakurai, Tomohisa, 4,884,557, Cl. 128-4.000.
  - Takenaga, Hideo, 4,812,940, Cl. 360-137.000.
  - Takeuchi, Toyoaki; and Ikeda, Yoshiaki, 4,890,273, Cl. 369-45.000.
  - Tanikawa, Kowji; Kato, Tadashi; Kanno, Masahide; Yashima, Hiroyuki; Matsueda, Akira; Rokutan, Takao; Harada, Hisayuki; Hirosawa, Isao; and Hibino, Hiroki, 4,802,018, Cl. 358-335.000.
  - Tashiro, Yoshio, 4,871,229, Cl. 350-96.260.
  - Tateoka, Hitoshi; and Uchino, Fumio, 4,881,618, Cl. 181-176.000.
  - Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
  - Tohjoh, Yoshikazu; Hasegawa, Akira; and Sato, Tomoaki, 4,856,495, Cl. 128-6.000.
  - Toizumi, Yasushi; and Kawase, Dai, 4,816,935, Cl. 360-66.000.
  - Tsuchida, Hirofumi; and Mihara, Shin-ichi, 4,810,071, Cl. 350-423.000.
  - Tsuji, Kiyoshi, 4,868,646, Cl. 358-98.000.
  - Tsuji, Kiyoshi; Kimura, Kenji; and Okada, Yoshihiro, 4,884,134, Cl. 358-98.000.
  - Uchikubo, Akinobu, 4,882,623, Cl. 358-98.000.
  - Ueda, Yasuhiro, 4,799,474, Cl. 128-4.000.
  - Ueda, Yasuhiro, 4,805,598, Cl. 128-6.000.
  - Ueda, Yasuhiro; Nagai, Isao; Shinkai, Naruto; Nakazawa, Masaaki; and Terayama, Toshiki, 4,805,618, Cl. 128-346.000.
  - Ueda, Yasuhiro, 4,832,473, Cl. 350-506.000.
  - Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.
  - Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.
  - Washizuka, Nobuhiko; and Kambara, Koji, 4,813,400, Cl. 128-6.000.
  - Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,816,858, Cl. 354-400.000.
  - Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, 4,853,733, Cl. 354-412.000.
  - Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.
  - Yabe, Hisao, 4,809,680, Cl. 128-6.000.
  - Yabe, Hisao, 4,832,003, Cl. 128-6.000.
  - Yabe, Hisao; and Nakajima, Shigeru, 4,845,555, Cl. 358-98.000.
  - Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.
  - Yabe, Hisao; and Sato, Tomoaki, 4,868,644, Cl. 358-98.000.
  - Yabe, Hisao, 4,885,634, Cl. 358-98.000.
  - Yabe, Hisao; and Takamura, Koji, 4,888,639, Cl. 358-98.000.
  - Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.
  - Yamada, Hidetoshi; and Nagasaki, Tatsuo, 4,875,091, Cl. 358-42.000.
  - Yamada, Takashi, 4,837,159, Cl. 436-45.000.
  - Yamanashi, Takanori; and Ogata, Yasuji, 4,815,829, Cl. 350-427.000.
  - Yamanashi, Takanori, 4,822,152, Cl. 350-427.000.
  - Yamanashi, Takanori, 4,854,682, Cl. 350-427.000.
  - Yamasaki, Masafumi, 4,870,441, Cl. 354-402.000.
  - Yamashita, Nobuo; Takahashi, Susumu; and Matsui, Hiroshi, 4,824,205, Cl. 350-96.250.
  - Yamasita, Nobuo; Kanamori, Iwao; and Hattori, Shinichiro, 4,801,792, Cl. 250-205.000.
  - Yanagawa, Yutaka, 4,850,363, Cl. 128-660.090.
  - Yanagawa, Yutaka; and Taniguchi, Akira, 4,860,758, Cl. 128-662.060.
  - Yanagawa, Yutaka, 4,880,009, Cl. 128-660.090.
  - Yazawa, Nobuyoshi, 4,797,737, Cl. 358-98.000.
  - Yoda, Yoshiro, 4,833,662, Cl. 369-13.000.
  - Yoshikawa, Shoji, 4,797,866, Cl. 369-43.000.
  - Yoshikawa, Shozi, 4,858,219, Cl. 369-116.000.
  - Yoshinaga, Jun; and Yazawa, Nobuyoshi, 4,839,723, Cl. 358-98.000.
  - Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, 4,832,474, Cl. 350-529.000.
  - Yoshizawa, Akihiko, 4,841,510, Cl. 369-46.000.
  - Yunoki, Yutaka, 4,837,644, Cl. 360-66.000.
  - Yunoki, Yutaka; Inoue, Manabu; and Watanabe, Hiroyuki, 4,862,304, Cl. 360-121.000.
- Omae, Koichi: *See—*
  - Koizumi, Haruyuki; Sato, Hideki; Hashizume, Shinichi; and Omae, Koichi, 4,819,194, Cl. 364-556.000.
  - Sato, Hideki; Koizumi, Haruyuki; Hashizume, Shinichi; and Omae, Koichi, 4,801,767, Cl. 178-18.000.
- Omae, Tsutomu; Matsuda, Toshihiko; Sukegawa, Takashi; and Tobise, Masahiro, to Hitachi, Ltd. Speed control apparatus for motor. 4,814,678, 3-21-89, Cl. 318-317.000.
- Omae, Tsutomu; Matsuda, Toshihiko; Miyahara, Youjirou; and Kamiyama, Kenzo, to Hitachi, Ltd. Speed detecting apparatus. 4,839,834, 6-13-89, Cl. 364-565.000.
- Omaha Cold Storage Terminals, Inc.: *See—*
  - Mattson, Glenn H., 4,796,435, Cl. 62-63.000.
- O'Mahoney, Patrick J. Laminated lighting device. 4,839,555, 6-13-89, Cl. 313-493.000.

- Omaki, Takanobu; Tanii, Junichi; Tsuji, Sadafusa; and Yamashita, Maki, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,870,437, 9-26-89, Cl. 354-64.000.
- Omaki, Takanobu: *See*—
  - Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
  - Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,878,751, Cl. 354-410.000.
  - Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,855, Cl. 354-415.000.
  - Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,884,094, Cl. 354-412.000.
  - Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,797,702, Cl. 354-413.000.
  - Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, 4,839,687, Cl. 354-416.000.
  - Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,870,438, Cl. 354-132.000.
- O'Malley, Gerard J.: *See*—
  - Kosley, Raymond W., Jr.; and O'Malley, Gerard J., 4,883,793, Cl. 514-228.200.
- O'Malley, Michael T.; and Johnston, Robert G., to Newbridge Networks Corp. Paging system. 4,857,884, 8-15-89, Cl. 340-311.100.
- Oman, Joel E.: *See*—
  - Byrd, William A., Oman, Joel E.; and Connors, William, 4,877,985, Cl. 310-86.000.
- Omar, Inc.: *See*—
  - Lawrence, George W.; and Moss, C. William, 4,886,084, Cl. 135-103.000.
- Omar, Mostafa M.: *See*—
  - Madis, Valdemar H.; Omar, Mostafa M.; and Madis, Voldemar, 4,861,761, Cl. 514-54.000.
- O'Mara, Dion P.; Hadermann, Albert F.; and Trippe, Jerry C., to General Technology Applications, Inc. Rapid dissolving polymer compositions and uses therefor. 4,826,728, 5-2-89, Cl. 428-407.000.
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- O'Mara, Harry E.: *See*—
  - Wagner, Leland J.; and O'Mara, Harry E., 4,843,376, Cl. 340-568.000.
- O'Mara, Richard C.: *See*—
  - Israel, Gary; Steenod, Wayne; and O'Mara, Richard C., 4,884,680, Cl. 206-44.110.
- O'Marr, William E., Jr., to Harris Corporation. Dielectric for laser trimming. 4,839,711, 6-13-89, Cl. 357-51.000.
- Omark Industries, Inc.: *See*—
  - Clark, Jack; and Geedes, Norman R., 4,819,870, Cl. 238-351.000.
  - Mickelson, Raymond N., 4,869,055, Cl. 56-12.700.
  - Scott, Lewis A.; and Weber, Johann, 4,827,821, Cl. 83-831.000.
- Omata, Nobuaki, to Nifco Inc. Drawer device. 4,828,344, 5-9-89, Cl. 312-319.000.
- Omata, Satoshi: *See*—
  - Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.
  - Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.
  - Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.
  - Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.
- Omata, Tadao; and Kozu, Naoshi, to ORC Manufacturing Co., Ltd. Device for clearing the hole blockage of a liquid resist substrate. 4,854,004, 8-8-89, Cl. 15-304.000.
- Omata, Takashi: *See*—
  - Kimura, Hiroyuki; Kobori, Yasunori; Hamma, Kentaro; Omata, Takashi; and Oki, Katsunori, 4,855,840, Cl. 358-296.000.
- Omata, Tetsuo: *See*—
  - Senda, Shuji; and Omata, Tetsuo, 4,808,340, Cl. 260-410.900.
- Omata, Yuji: *See*—
  - Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, 4,836,865, Cl. 148-306.000.
- Omatoi, Susumi: *See*—
  - Mikami, Tomoki; Tokunaga, Yukio; Natsugari, Mitsuharu; Omatoi, Susumi; and Yokota, Shinji, 4,795,589, Cl. 252-301.60F.
- Omatoi, Susumu: *See*—
  - Iwasaki, Kazuhito; Tono, Hideo; and Omatoi, Susumu, 4,814,666, Cl. 313-468.000.
- Omatsu, Toshihiro; Tokitoh, Yasuo; and Yoshimura, Noriaki, to Kuraray Co., Ltd. Hydroformylation process. 4,871,880, 10-3-89, Cl. 568-454.000.
- Omco Co., Ltd.: *See*—
  - Okazaki, Tatsuo, 4,810,344, Cl. 204-228.000.
  - Okazaki, Tatsuo, 4,867,856, Cl. 204-228.000.
- Omdal, Bjarne: *See*—
  - Juel, Anders; and Omdal, Bjarne, 4,832,506, Cl. 383-17.000.
- O'Meara, John R., to CP Packaging, Inc. Child resistant cap and tube assembly. 4,867,326, 9-19-89, Cl. 215-250.000.
- O'Meara, John R., to CP Packaging, Inc. Container and closure assembly. 4,884,703, 12-5-89, Cl. 215-6.000.
- O'Meara, Thomas R., to Hughes Aircraft Company. Double moving grating laser. 4,802,176, 1-31-89, Cl. 372-19.000.
- O'Meara, Thomas R., to Hughes Aircraft Company. Interferometric/feedback spatial light modulation system and method. 4,854,677, 8-8-89, Cl. 350-355.000.
- O'Meara, Thomas R., to Hughes Aircraft Company. Optical notch filter for discriminating against coherent radiation. 4,874,223, 10-17-89, Cl. 350-163.000.
- O'Meara, Thomas R.: *See*—
  - Grinberg, Jan; Marom, Emanuel; Soffer, Bernard H.; O'Meara, Thomas R.; and Popa, Adrian E., 4,871,232, Cl. 350-162.110.
  - Pepper, David M.; and O'Meara, Thomas R., 4,833,314, Cl. 250-201.000.
- O'Meara, William R.: *See*—
  - Buescher, Eugene J., 4,815,654, Cl. 229-73.000.
- Omega Engineering, Inc.: *See*—
  - Cortes, Nestor E., 4,830,515, Cl. 374-208.000.
  - Hollander, Milton B.; and McKinley, William E., 4,808,241, Cl. 136-230.000.
- O'Melia, Lawrence F.: *See*—
  - Gazda, Chester T.; and O'Melia, Lawrence F., 4,855,029, Cl. 204-197.000.
- Omente, Pedro, to Societe Francaise d'Entretian et Montages Industriels Sofremi Zone Industrielle. Industrial method and device for germinating cereals and/or leguminous plants. 4,821,455, 4-18-89, Cl. 47-61.000.
- Omera Spa: *See*—
  - Carboniero, Flavio; and Pontini, Aldo, 4,824,308, Cl. 414-797.000.
- Omet S.m.c. di Volentieri & Co.: *See*—
  - Valiani, Bruno, 4,821,377, Cl. 17-37.000.
- OMI International Corporation: *See*—
  - Arcilesi, Donald A.; and Klein, Roy W., 4,814,205, Cl. 427-305.000.
  - Darken, Jeffrey, 4,873,122, Cl. 427-97.000.
- Omi, Jinichi: *See*—
  - Fukushima, Takuo; Hayashida, Yasumasa, and Omi, Jinichi, 4,816,509, Cl. 524-413.000.
- Omi, Kyoji, to Ricoh Company, Ltd. Color image processing method. 4,837,614, 6-6-89, Cl. 358-75.000.
- Omi, Shigeaki: *See*—
  - Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,805,997, Cl. 350-413.000.
  - Asahara, Yoshiyuki; Sasai, Hiroyuki; Omi, Shigeaki; Shingaki, Seiichi; and Nakayama, Shin, 4,844,589, Cl. 350-413.000.
  - Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,844,724, Cl. 65-3.110.
- Omi, Toshihiro: *See*—
  - Kabaya, Yoshihiko; Yasuda, Naofumi; and Omi, Toshihiro, 4,840,488, Cl. 356-374.000.
- Omichi, Hitoshi: *See*—
  - Tanizawa, Tetsu; Mitono, Yoshiharu; and Omichi, Hitoshi, 4,868,630, Cl. 357-45.000.
- Omid, Ahmad: *See*—
  - Hagenah, Jeffrey A.; and Omid, Ahmad, 4,846,873, Cl. 71-88.000.
- Omiya, Hitoshi: *See*—
  - Masuda, Toshiaki; Omiya, Hitoshi; and Fukui, Kiyoshi, 4,813,210, Cl. 53-425.000.
- Omizono, Hitoshi; Sasaki, Hiroshi; Fukatsu, Yasuo; Ota, Saburo; and Ueda, Yoshio, to Mitsubishi Mining and Cement Co., Ltd.; and Kimpo Electronics Co., Ltd. Anchoring device for a tension member of prestressed concrete. 4,837,995, 6-13-89, Cl. 52-223.00L.
- Ommeren, James V.: *See*—
  - Mattiola, Paul A.; and Ommeren, James V., 4,856,284, Cl. 62-55.000.
- Omni Films International, Inc.: *See*—
  - Hollingsworth, Fred, III; and Angus, Julian G., 4,879,849, Cl. 52-10.000.
- Omni-Flow, Inc.: *See*—
  - Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,828,545, Cl. 604-66.000.
  - Epstein, Paul; Petschek, Harry; LaWhite, Eric; Strohl, Clair; Coyne, Henry; Kaleskas, Edward; and Adaniya, George, 4,865,584, Cl. 604-67.000.
- Omni Holding Company: *See*—
  - Dombrowski, Anthony E., 4,797,673, Cl. 340-904.000.
  - Dombrowski, Anthony E., 4,803,488, Cl. 340-904.000.
- Omni Optical Products, Inc.: *See*—
  - Panique, Kenneth L.; and Frank, Jeffrey B., 4,875,291, Cl. 33-293.000.
- Omni Products International, Inc.: *See*—
  - Gibbs, Terence E., 4,848,843, Cl. 297-440.000.
  - Poo, Hoo. W., 4,826,248, Cl. 297-445.000.
- Omni Signal, Inc.: *See*—
  - Husmann, Robert J., 4,800,366, Cl. 340-524.000.
  - Husmann, Robert J.; and Hamrick, Claude A. S., 4,870,404, Cl. 340-550.000.
- Omni Systems, Inc.: *See*—
  - Priola, James W.; and Sauder, James W., 4,861,082, Cl. 292-346.000.
- Omnichem: *See*—
  - Hannart, Jean A. A.; Trouet, Andre B. L.; and Rao, Kandukuri S. B., 4,828,831, Cl. 424-85.910.

  - Trouet, Andre B. L.; Bushana, Kandukuri S.; Hannart, Jean A. A.; and Dejonghe, Jean-Paul, 4,870,162, Cl. 530-363.000.
- Omnicrom Systems Limited: *See*—
  - Nelson, Marshall A., 4,868,049, Cl. 428-328.000.
- Omniverse Research, Inc.: *See*—
  - Hayes, Peter F., 4,801,780, Cl. 219-130.100.
- Omoda, Koichiro; Torii, Shunichi; Nagashima, Shigeo; Inagami, Yasuhiro; and Nakagawa, Takayuki, to Hitachi, Ltd. Vector processor for reordering vector data during transfer from main memory to vector registers. 4,825,361, 4-25-89, Cl. 364-200.000.
- Omoda, Koichiro: *See*—
  - Torii, Shunichi; Nagashima, Shigeo; and Omoda, Koichiro, 4,809,161, Cl. 364-200.000.
- Omodei-Sale, Amedeo; Consonni, Pietro; and Galliani, Giulio, to Gruppo Lepetit S.p.A. Acyl-1H-1,2,4-triazole derivatives. 4,888,350, 12-19-89, Cl. 514-384.000.
- Omori, Hideharu: *See*—
  - Shimatani, Toshimichi; Kawata, Yoshihiro; Kawashima, Masayuki; and Omori, Hideharu, 4,815,099, Cl. 375-7.000.
- Omori, Hiroshi: *See*—
  - Mayumi, Junji; and Omori, Hiroshi, 4,885,334, Cl. 525-66.000.
- Omori, Hiroyuki: *See*—
  - Iida, Kazuyuki; Omori, Hiroyuki; Oonishi, Akiyoshi; and Takahashi, Masami, 4,829,111, Cl. 524-100.000.
- Omori, Katsumi: *See*—
  - Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Kenji; Nakagawa, Shigeru; and Hirose, Tetsuzo, 4,818,148, Cl. 405-234.000.
- Omori, Kazuhiro: *See*—
  - Hattori, Shin; Takai, Makoto; Omori, Kazuhiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,795,752, Cl. 514-327.000.
  - Takai, Makoto; Omori, Kazuhiro; Kumonaka, Takahiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,859,673, Cl. 514-255.000.
- Omori, Koji: *See*—
  - Oyama, Sakan; and Omori, Koji, 4,878,147, Cl. 361-154.000.
- Omori Machinery Co., Ltd.: *See*—
  - Yokokawa, Toshiyuki, 4,805,503, Cl. 83-355.000.
- Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, to Mitsubishi Denki Kabushiki Kaisha. Battery holder mechanism. 4,842,966, 6-27-89, Cl. 429-96.000.
- Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, to Mitsubishi Denki Kabushiki Kaisha. Battery holder mechanism. 4,868,074, 9-19-89, Cl. 429-98.000.
- Omori, Nobuyasu, to Mitsubishi Denki Kabushiki Kaisha. Magnetic video recording system and method with horizontal synchronization interval alignment. 4,825,300, 4-25-89, Cl. 358-328.000.
- Omori, Norio: *See*—
  - Matsumura, Toshimi; Omori, Norio; and Kobayashi, Hisanori, 4,814,997, Cl. 364-431.050.
- Omori, Shinichi: *See*—
  - Ohkita, Masao; and Omori, Shinichi, 4,851,941, Cl. 360-97.010.
  - Yunokuchi, Ryu; Omori, Shinichi; and Ohkita, Masao, 4,875,276, Cl. 29-603.000.
- Omori, Shunji: *See*—
  - Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.
- Omori, Takashi: *See*—
  - Kojima, Yutaka; and Omori, Takashi, 4,830,911, Cl. 428-342.000.
- Omori, Takuro; and Yanagiuchi, Shigenobu, to Sharp Kabushiki Kaisha. Command translating computer. 4,87[illegible],628, 10-10-89, Cl. 364-200.000.
- Omori, Yoshitaka; Suzuki, Kanzi; and Niinuma, Fumitoshi, to Onoda Cement Co., Ltd. Method for producing a centrifugally cast concrete product. 4,844,855, 7-4-89, Cl. 264-311.000.
- Omori, Yukimitsu: *See*—
  - Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
  - Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; and Takamura, Akio, 4,858,466, Cl. 73-119.00A.
- Omoto, Noriaki: *See*—
  - Hirashima, Masayoshi, Shizuya, Osamu; and Omoto, Noriaki, 4,823,135, Cl. 342-362.000.
- Omranco International Corporation: *See*—
  - Obligio, Luis E., 4,799,666, Cl. 272-8.00N.
- Omron Tateisi Electronics Co.: *See*—
  - Agatahama, Shunichi; Koga, Hirofumi; Sato, Ryuichi; Sagawa, Hiroyuki; and Matsuoka, Kazushige, 4,831,348, Cl. 335-80.000.
  - Aya, Hideaki, 4,833,608, Cl. 364-404.000.
  - Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,814,565, Cl. 200-291.000.
  - Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,833,280, Cl. 200-16.00D.
  - Fukuma, Yasumichi, 4,877,930, Cl. 200-302.200.
  - Hashimoto, Hiroshi, 4,890,080, Cl. 335-17.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,816,630, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,851,623, Cl. 200-314.000.
  - Honda, Sueaki; Hayashi, Mitsuji; Niwa, Takashi; Hayakawa, Akihiko; and Bingo, Hideyuki, 4,873,402, Cl. 200-283.000.
  - Imanaka, Koichi; and Imamoto, Hiroshi, 4,839,307, Cl. 437-129.000.
  - Ishii, Hiroaki, 4,875,163, Cl. 364-405.000.
  - Ishii, Hiroaki, 4,879,649, Cl. 364-405.000.
  - Iwakiri, Norio; Bingo, Hideyuki; and Tugui, Hiedji, 4,845,322, Cl. 200-81.00R.
  - Izutsu, Masayuki; Sueta, Tadasi; and Matano, Masaharu, 4,850,666, Cl. 350-96.120.
  - Kimizu, Ryuichi, 4,797,540, Cl. 235-383.000.
  - Kimizu, Ryuichi, 4,874,932, Cl. 235-379.000.
  - Kitade, Susumu, 4,851,650, Cl. 235-379.000.
  - Koga, Hirofumi; and Koyanagi, Katsumi, 4,855,612, Cl. 307-140.000.
  - Koizumi, Haruyuki; Sato, Hideki; Hashizume, Shinichi; and Omae, Koichi, 4,819,194, Cl. 364-556.000.
  - Kondo, Takayuki; and Morishita, Muneki, 4,861,974, Cl. 235-475.000.
  - Maeda, Tetsuo; Ohta, Hirofumi; and Inazumi, Hirokuni, 4,860,183, Cl. 363-12.000.
  - Masuo, Yoshihisa, 4,873,758, Cl. 29-612.000.
  - Matsuo, Kenichi; Nakata, Muneo; and Ohara, Toru, 4,857,875, Cl. 335-297.000.
  - Matsuoka, Kazushige, 4,878,860, Cl. 439-716.000.
  - Mita, Katsuya; Machida, Yutaka; and Morishita, Muneki, 4,871,905, Cl. 235-475.000.
  - Miyawaki, Toshinori, 4,850,368, Cl. 128-680.000.
  - Miyawaki, Yoshinori; Matumoto, Kazuhiro; and Shirasaki, Osamu, 4,860,760, Cl. 128-680.000.
  - Miyawaki, Yoshinori, 4,872,461, Cl. 128-681.000.
  - Mohri, Masayuki; and Matsumoto, Keiji, 4,808,114, Cl. 439-76.000.
  - Morigaki, Masamichi, 4,795,891, Cl. 235-380.000.
  - Moroe, Tomomi, 4,840,344, Cl. 248-676.000.
  - Munakata, Kazuhiko; and Kayama, Shigeki, 4,821,186, Cl. 364-405.000.
  - Nagao, Hirohumi; Matsuo, Kenichi; and Nakata, Muneo, 4,816,794, Cl. 335-136.000.
  - Nagata, Kunio, 4,847,451, Cl. 200-1.00V.
  - Nakagawa, Masakatu, 4,808,801, Cl. 235-379.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,875,016, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,881,039, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,882,584, Cl. 341-139.000.
  - Nakanishi, Tomoyuki, 4,877,232, Cl. 271-10.000.
  - Ohara, Masaharu, 4,833,435, Cl. 335-265.000.
  - Okada, Masamichi; and Kai, Isao, 4,878,184, Cl. 364-557.000.
  - Okiharu, Ryoichi, 4,859,838, Cl. 235-383.000.
  - Oku, Seiji; Shimamura, Tooru; Naganawa, Kazutomo; and Tanamura, Toshiya, 4,875,042, Cl. 340-870.170.
  - Omura, Yutaka; and Kikukawa, Takesi, 4,831,253, Cl. 250-229.000.
  - Ota, Hiroyuki; and Kai, Isao, 4,811,198, Cl. 374-169.000.
  - Ota, Hiroyuki; and Kai, Isao, 4,877,333, Cl. 374-169.000.
  - Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, 4,814,944, Cl. 361-403.000.
  - Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, 4,841,109, Cl. 200-302.100.
  - Sakakino, Takahiro; Yamashita, Masatsugu; and Honda, Sueaki, 4,851,627, Cl. 200-83.00C.
  - Sakamoto, Nobuyoshi, 4,817,041, Cl. 364-405.000.
  - Sato, Hideki; Koizumi, Haruyuki; Hashizume, Shinichi; and Omae, Koichi, 4,801,767, Cl. 178-18.000.
  - Sato, Ryuichi; Taniguchi, Tsutomu; and Ohba, Masatoshi, 4,857,757, Cl. 307-113.000.
  - Sato, Shohei, 4,880,012, Cl. 128-663.010.
  - Shibayama, Masahiko; Kai, Umekichi; and Yamamoto, Hideki, 4,807,162, Cl. 364-552.000.
  - Shima, Koichi; and Tomizu, Motoyuki, 4,880,401, Cl. 439-746.000.
  - Shinohara, Kenji; Niwa, Takashi; and Wakatsuki, Yoshihiro, 4,883,929, Cl. 200-5.00R.
  - Shirai, Hironobu, 4,873,448, Cl. 250-551.000.
  - Shirasaki, Osamu; Ogawa, Hiroshi; Miyawaki, Yoshinori; and Matumoto, Kazuhiro, 4,830,019, Cl. 128-681.000.
  - Shonaka, Hisashi, 4,809,280, Cl. 371-62.000.
  - Sowa, Masahiro, 4,809,159, Cl. 364-200.000.
  - Sugahara, Youji; and Matsumura, Hideyuki, 4,803,347, Cl. 235-379.000.
  - Suzaki, Hideyuki; and Yamaguchi, Yukio, 4,835,519, Cl. 340-538.000.
  - Suzuki, Masatoshi; Fujikawa, Yoshimasa; and Fujimoto, Koichi, 4,805,024, Cl. 358-213.190.
  - Suzuki, Yasuo, 4,847,762, Cl. 364-405.000.
  - Takagi, Hiroshi, 4,800,493, Cl. 364-405.000.
  - Takahashi, Kiyotaka; and Arimoto, Kathuhiko, 4,838,480, Cl. 232-43.300.
  - Tanabe, Haruo; Ishida, Masaji; Fujino, Tomoya; and Kurata, Tadahiko, 4,829,167, Cl. 235-384.000.
  - Tanaka, Takashi; Sano, Takezo; and Shimizu, Tsutomu, 4,881,053, Cl. 335-80.000.
  - Tasaki, Hisashi; and Endo, Kimikazu, 4,879,744, Cl. 379-144.000.
  - Tomizu, Motoyuki; and Okada, Yasuhiro, 4,795,378, Cl. 439-751.000.
  - Tomizu, Motoyuki; and Nagata, Kunio, 4,795,863, Cl. 200-16.00B.
  - Tomizu, Motoyuki; and Okada, Yasuhiro, 4,808,122, Cl. 439-417.000.
  - Uchida, Yasuo; and Fujisaka, Hisato, 4,827,115, Cl. 235-492.000.
  - Ueda, Kenji, 4,799,043, Cl. 340-825.060.
  - Ueno, Fumio; Yamakawa, Takeshi; and Shirai, Yuji, 4,860,243, Cl. 364-807.000.

- Ueno, Satoshi, 4,870,973, Cl. 128-680.000.
- Yamakawa, Takeshi, 4,814,644, Cl. 307-355.000.
- Yamakawa, Takeshi, 4,837,725, Cl. 364-807.000.
- Yamakawa, Takeshi, 4,875,184, Cl. 364-807.000.
- Yamamoto, Norihito, 4,846,583, Cl. 374-163.000.
- Yamana, Tohru; Nakayama, Kiyoshi; and Sato, Kazuhiko, 4,798,967, Cl. 307-10.00R.
- Yamanaka, Takeshi; and Sasaoka, Toshio, 4,825,714, Cl. 74-89.150.
- Yamasawa, Tsutomu, 4,844,084, Cl. 128-681.000.
- Yamasawa, Tsutomu, 4,850,369, Cl. 178-686.000.
- Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,860,761, Cl. 128-686.000.
- Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,862,895, Cl. 128-680.000.
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- Kayane, Yutaka; Omura, Takashi; Tezuka, Yasuo; and Sone, Hideharu, 4,841,027, Cl. 534-599.000.
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- Yamashita, Takaji; Uchida, Hiroshi; Shimizu, Keiji; and Omura, Tomohide, 4,823,016, Cl. 250-363.030.
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- Tanihara, Masao; Oka, Kiichiro; Yamada, Hideaki; Kobayashi, Akira; Nakashima, Toshihide; Omura, Yoshiaki; and Takakura, Koichi, 4,889,917, Cl. 530-324.000.

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- Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.

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- Torneback, Gote, 4,800,939, Cl. 152-214.000.

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- Gellenthin, Carl O., Jr., 4,864,684, Cl. 16-2.000.

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- Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, 4,805,069, Cl. 361-226.000.

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Onaka, Hiroshi: *See—*
- Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, 4,816,239, Cl. 423-280.000.
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- Harada, Yasuhiro; Nobumoto, Kazutoshi; Nishimura, Eizi; and Onaka, Toru, 4,884,651, Cl. 180-197.000.
- Oda, Kazuya; Matsuoka, Toshihiro; Onaka, Toru; and Nagaoka, Mitsuru, 4,862,854, Cl. 123-399.000.

Onan Corporation: *See—*
- Clancey, Stephen M.; Hjelmstad, Stanely D.; Lent, Mark S.; and Miller, Michael C., 4,835,405, Cl. 290-1.00A.
- Fanner, John C., 4,812,266, Cl. 261-71.000.
- Huffman, Paul F.; and Bardell, Ron L., 4,836,167, Cl. 123-376.000.

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- Beard, Richard B.; Hasan, Saleem; Scoles, Kevin J.; and Onaral, Banu, 4,854,865, Cl. 433-18.000.

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Oncale, Russell P. Vertical drawing board. 4,824,064, 4-25-89, Cl. 248-441.100.

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- Masquelier, Michele; Ros, Mikael; Peterson, Curt; Rudling, Mats; and Vitols, Sigurd, 4,868,158, Cl. 514-21.000.

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- Hellstrom, Ingegerd; Brown, Joseph P.; Hellstrom, Karl E.; Horn, Diane; and Linsley, Peter, 4,873,188, Cl. 435-7.000.

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- Shoyab, Mohammed; Marquardt, Hans; and Todaro, George J., 4,806,492, Cl. 436-547.000.

Oncogen Limited Partnership: *See—*
- Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., 4,803,169, Cl. 435-7.000.

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- Love, Jack D.; Elliott, Michael T.; and Morgan, Patricia L., 4,849,078, Cl. 204-182.800.

Onda, Fumiyo: *See—*
- Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, 4,832,461, Cl. 350-347.00E.

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Onda, Mamoru: *See—*
- Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.

Onda, Nobuhiko: *See—*
- Asakawa, Kazuo; Onda, Nobuhiko; Akita, Tadashi; and Kamada, Toru, 4,862,751, Cl. 73-862.040.

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- Chen, Augustin T.; and Onder, Kemal, 4,806,589, Cl. 524-539.000.

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- Engel, Georg; Hartmann, Hans-Heinrich; Koethe, Peter; Svagr, Alexandr; and Onderka, Bernd, 4,864,838, Cl. 72-225.000.

Ondetti, Miguel A.: *See—*
- Delaney, Norma G.; Gordon. Eric M.; and Ondetti, Miguel A., 4,798,904, Cl. 558-254.000.

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- Burg, Richard W.; Dulaney, Eugene L.; Hensens, Otto D.; Liesch, Jerrold M.; Ondeyka, John G.; and Wichmann, Carol F., 4,871,727, Cl. 514-179.000.
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- Volkert, John K., 4,833,802, Cl. 40-124.100.
- Volkert, John K., 4,867,480, Cl. 283-117.000.
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O'Neil, Walter K., to Eaton Corporation. Power steering system. 4,860,844, 8-29-89, Cl. 180-79.100.

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- Kelledes, William L.; and O'Neil, Walter K., 4,805,463, Cl. 73-862.330.
- Mohan, Robert J.; and O'Neil, Walter K., 4,828,088, Cl. 192-58.00B.
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O'Neill, Dennis P., to Linear Technology Corporation. Non-overlapping switch drive in push-pull transistor circuit. 4,827,156, 5-2-89, Cl. 307-255.000.

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- Gane, Patrick A. C.; and O'Neill, Graham P., 4,854,971, Cl. 106-286.500.

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O'Neill, James K.: *See—*
- Palmer, David N.; Cartwright, John S.; and O'Neill, James K., 4,808,494, Cl. 429-101.000.
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- Blackburn, Arthur M.; O'Neill, Robert A.; Foster, Terence J. C.; and White, Ian G., 4,829,280, Cl. 337-299.000.

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Ong, Beng S.; and Baranyi, Giuseppa, to Xerox Corporation. Photoconductive imaging members with N,N-bis(biarylyl)aniline, or tris(-biarylyl)amine charge transporting components. 4,869,988, 9-26-89, Cl. 430-59.000.

Ong, Beng S.: *See—*
- Limburg, William W.; Yanus, John F.; Renfer, Dale S.; Schank, Richard L.; and Ong, Beng S., 4,871,634, Cl. 430-54.000.

Ong, Chong K.: *See—*
- Roberts, Carlos V.; Ong, Chong K.; and Puente, John G., 4,845,504, Cl. 342-457.000.

Ong, Chungjian J., to American Cyanamid Company. Gel insecticidal compositions. 4,812,309, 3-14-89, Cl. 424-84.000.

Ong, Dewitt; and Rider, Scott, to Intel Corporation. Architecture modification for improved ROM security. 4,843,026, 6-27-89, Cl. 437-51.000.

Ong, Helen H.; Anderson, Vernon B.; and Profitt, James A., to Hoechst-Roussel Pharmaceuticals, Inc. Aminoalkylthiodibenzoxepins and pharmaceutical use. 4,837,227, 6-6-89, Cl. 514-450.000.

Ong, James O. Y.: *See—*
Harrison, Charles W.; Gerondale, Michael J.; Patrone, Anthony J.; and Ong, James O. Y., 4,885,062, Cl. 196-14.500.

Ong, Linda J.: *See—*
Waterbury, John B.; Watson, Stanley W.; Glazer, Alexander N.; and Ong, Linda J., 4,857,474, Cl. 436-501.000.

Ong, Michael C. H.: *See—*
Trevelyan, James P.; Elford, David; Ong, Michael C. H.; and Kovesi, Peter D., 4,862,759, Cl. 74-417.000.

Ong S. T., Raymond. Decorative ball device. 4,817,311, 4-4-89, Cl. 40-410.000.

Ong S. T., Raymond. Driving mechanism for an animated toy. 4,869,703, 9-26-89, Cl. 446-353.000.

Ong, Shauchi, to International Business Machines Corporation. Apparatus for determining the minimum number of storage elements required to store the states of a circuit. 4,858,179, 8-15-89, Cl. 364-900.000.

Onga, Takeo: *See—*
Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.
Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.

O'Nien, Stephen J.: *See—*
Wall, Robin C.; and O'Nien, Stephen J., 4,869,648, Cl. 417-206.000.

Onik, Gary M.: *See—*
Cosman, Eric R.; and Onik, Gary M., 4,838,265, Cl. 128-303.00B.

Onimaru, Masayuki: *See—*
Sakurai, Shigeo; and Onimaru, Masayuki, 4,862,777, Cl. 82-122.000.

Onimaru, Sadahisa; Shimogawa, Toshiaki; Taguchi, Masahiro; and Kuwakado, Satosi, to Nippon Soken, Inc. Rotary seat for vehicle. 4,802,706, 2-7-89, Cl. 296-68.000.

Onimaru, Sadahisa: *See—*
Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.

O'Nion, Geoffery; and Gramet, Jean C., to Single Buoy Moorings, Inc. Coupling between two parts which are movable with respect to each other. 4,876,978, 10-31-89, Cl. 114-230.000.

Onisawa, Kenichi: *See—*
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.

Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Motai, Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, to Fujikura Ltd. Apparatus for continuously producing heat-shrinkable crosslinked resin tube. 4,840,552, 6-20-89, Cl. 425-72.100.

Onishi, Akira: *See—*
Ito, Tsukasa; Kawakatsu, Satoshi; Onishi, Akira; and Ishikawa, Masayo, 4,868,106, Cl. 435-7.000.
Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.

Onishi, Akito, to Toyota Jidosha Kabushiki Kaisha. Fuel injection system of an internal combustion engine. 4,864,998, 9-12-89, Cl. 123-489.000.

Onishi, Hiroshi: *See—*
Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,819,010, Cl. 346-76.0PH.
Kohashi, Tadao; Onishi, Hiroshi; and Esaki, Hiroshi, 4,826,717, Cl. 428-143.000.

Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for detecting pattern defects. 4,803,734, 2-7-89, Cl. 382-8.000.

Onishi, Hiroyuki: *See—*
Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, 4,824,696, Cl. 427-208.600.

Onishi, Hisao: *See—*
Miyamori, Takao; Numazawa, Ryozo; Sakimae, Akihiro; and Onishi, Hisao, 4,885,244, Cl. 435-101.000.

Onishi, Janet C.: *See—*
Schwartz, Robert E.; Onishi, Janet C.; Monaghan, Richard L.; Liesch, Jerrold M.; and Hensens, Otto D., 4,847,284, Cl. 514-424.000.

Onishi, Junko, administratrix: *See—*
Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Onishi, Katsumi; Oinaga, Yuji; and Otsuyama, Kohei, to Fujutsu Limited. Pipeline control system. 4,802,113, 1-31-89, Cl. 364-900.000.

Onishi, Katsumi: *See—*
Inoue, Aiichiro; Onishi, Katsumi; Oinaga, Yuji; and Nojima, Kenichi, 4,852,021, Cl. 364-200.000.
Kitamura, Toshiaki; Onishi, Katsumi; and Oinaga, Yuji, 4,812,970, Cl. 364-200.000.
Kitamura, Toshiaki; and Onishi, Katsumi, 4,870,567, Cl. 364-200.000.

Onishi, Keiichi, to Sumimoto Electric Industries, Ltd. Plunger pump. 4,854,835, 8-8-89, Cl. 417-435.000.

Onishi, Ken; and Sugiyama, Kazuhiro, to Mitsubishi Denki Kabushiki Kaisha. PCM recording and reproducing apparatus having common data frame construction for signal sources of varying quantization bit number. 4,882,638, 11-21-89, Cl. 360-32.000.

Onishi, Ken: *See—*
Sugiyama, Kazuhiro; Onishi, Ken; and Inoue, Tohoru, 4,829,525, Cl. 371-38.000.

Onishi, Koji: *See—*
Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, 4,875,455, Cl. 123-568.000.

Onishi, Kunikazu; Kisanuki, Hisayuki; and Naito, Takeshi, to Toyoda Gosei Co., Ltd. Door glass run for automobile. 4,864,774, 9-12-89, Cl. 49-440.000.

Onishi, Makoto: *See—*
Masuoka, Toshio; Hirasa, Okihiko; Suda, Yoshio; Onishi, Makoto; and Seita, Yukio, 4,845,132, Cl. 521-53.000.

Onishi, Masami; Masumoto, Toshikazu; Murakami, Kazumi; and Yoshida, Kiyoshi, to Matsushita Electric Industrial Co., Ltd. Video cassette recorder for rental use which is rendered unusable after a predetermined period of time. 4,814,901, 3-21-89, Cl. 360-33.100.

Onishi, Masanari: *See—*
Ishida, Muneo; Yamashita, Mithuo; Onishi, Masanari; and Terada, Masahiro, 4,840,104, Cl. 84-437.000.

Onishi, Masao: *See—*
Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, Cl. 514-206.000.

Onishi, Masayoshi; and Yasukawa, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Cruise control apparatus for an automotive engine. 4,815,553, 3-28-89, Cl. 180-178.000.

Onishi, Masayoshi, to Mitsubishi Denki Kabushiki Kaisha. Throttle control device. 4,821,831, 4-18-89, Cl. 180-178.000.

Onishi, Masayoshi; and Yasukawa, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Constant-speed cruising apparatus. 4,823,902, 4-25-89, Cl. 180-170.000.

Onishi, Masayoshi; and Yasukawa, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Pneumatic constant-velocity running apparatus. 4,864,992, 9-12-89, Cl. 123-360.000.

Onishi, Masayoshi; Naitou, Yasuo; and Yasukawa, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Cruise control apparatus. 4,884,649, 12-5-89, Cl. 180-179.000.

Onishi, Masayoshi; and Fujimoto, Tadayuki, to Mitsubishi Denki Kabushiki Kaisha. Pneumatic actuator. 4,889,033, 12-26-89, Cl. 91-6.000.

Onishi, Masayoshi: *See—*
Hata, Yasuaki; Yasukawa, Takeshi; and Onishi, Masayoshi, 4,888,551, Cl. 324-208.000.
Yasukawa, Takeshi; Onishi, Masayoshi; and Fujimoto, Tadayuki, 4,876,948, Cl. 92-99.000.

Onishi, Sei: *See—*
Takahashi, Akira; Kamimura, Testuro; Kawamura, Masahiko; Morikawa, Kiyoshi; and Onishi, Sei, 4,841,499, Cl. 369-38.000.

Onishi, Shunichi: *See—*
Makagawa, Shozo; Onishi, Shunichi; and Takagi, Akihiro, 4,802,021, Cl. 358-342.000.

Onishi, Takahiro: *See—*
Itaya, Hisao; Okada, Toshihiko; Hata, Morishige; Koike, Shunji; and Onishi, Takahiro, 4,853,776, Cl. 358-106.000.

Onishi, Takami; and Dotani, Satoshi, to Kanzaki Paper Mfg. Co., Ltd. Process for controlling curl in coated papers. 4,853,255, 8-1-89, Cl. 427-148.000.

Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi; and Fujita, Yoshiji, to Kuraray Company, Ltd. Process for preparing sulfone compounds. 4,886,916, 12-12-89, Cl. 568-34.000.

Onishi, Takashi: *See—*
Suzuki, Shigeaki; Mori, Toshiki; Onishi, Takashi; and Fujita, Yoshiji, 4,827,056, Cl. 570-189.000.

Onishi, Teruo, to Nihondenjihachiryokikenkyusho Co., Ltd.; and Nihonkenkozoshinkenkyukai Co., Ltd. Therapeutic massage device. 4,850,340, 7-25-89, Cl. 128-24.100.

Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, to Kabushiki Kaisha Kobe Seiko Sho. Method of electromagnetic stirring in continuous metal casting process. 4,852,635, 8-1-89, Cl. 164-468.000.

Onishi, Yasuhiko. Matrix polymer and its preparation. 4,808,709, 2-28-89, Cl. 536-112.000.

Onishi, Yasuhiko. Cationic graft-copolymer. 4,816,540, 3-28-89, Cl. 527-300.000.

Onishi, Yasunobu; Hayase, Shuji; Horiguchi, Rumiko; and Hirao, Akiko, to Kabushiki Kaisha Toshiba. Polysilanes, Polysiloxanes and silicone resist materials containing these compounds. 4,822,716, 4-18-89, Cl. 430-192.000.

Onishi, Yasunobu: *See—*
Hayase, Shizu; Horiguchi, Rumiko; Onishi, Yasunobu; and Ushirogouchi, Toru, 4,871,646, Cl. 430-192.000.
Hayase, Shuzi; Onishi, Yasunobu; and Horiguchi, Rumiko, 4,828,958, Cl. 430-175.000.
Hayase, Shuzi; Onishi, Yasunobu; Suzuki, Shuichi; and Wada, Moriyasu, 4,835,193, Cl. 522-15.000.

Onishi, Yasuo: *See—*
Nasu, Shoichi; and Onishi, Yasuo, 4,804,888, Cl. 313-595.000.

Onishi, Yasushi: *See—*
Tanaka, Kunio; Takegahara, Takashi; and Onishi, Yasushi, 4,799,143, Cl. 364-191.000.
Tanaka, Kunio; and Onishi, Yasushi, 4,823,255, Cl. 364-191.000.
Tanaka, Kunio; and Onishi, Yasushi, 4,823,273, Cl. 364-474.290.
Tanaka, Kunio; and Onishi, Yasushi, 4,823,275, Cl. 364-474.000.
Tanaka, Kunio; and Onishi, Yasushi, 4,835,700, Cl. 364-474.230.
Tanaka, Kunio; and Onishi, Yasushi, 4,890,234, Cl. 364-474.230.

Onishi, Yoshiaki, deceased: *See—*
Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Onishi, Yoshihiko: *See—*
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.

Onitsuka, Nobuyuki: *See—*
Fukamachi, Masaaki; Onitsuka, Nobuyuki; Yano, Masaru; and Sakata, Kazuhiro, 4,849,749, Cl. 340-825.310.
Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, 4,862,139, Cl. 340-426.000.

Onizaki, Takashi J.; and Oshust, Stephen L., to Toso Enterprises, Ltd. Amphibious air cushion vehicle. 4,862,984, 9-5-89, Cl. 180-120.000.

Onizawa, Masanori: *See—*
Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.

Onizawa, Yoshio: *See—*
Izuka, Akihiro; Onizawa, Yoshio; and Yamashita, Mitsuru, 4,841,501, Cl. 369-13.000.

Onizuka, Masaaki: *See—*
Shinkai, Masaru; Tanaka, Makoto; Aramaki, Jun; and Onizuka, Masaaki, 4,808,786, Cl. 219-69.00W.

Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for treating a solution or a slurry solution. 4,818,445, 4-4-89, Cl. 261-87.000.

Onizuka, Masakazu: *See—*
Shinoda, Naoharu; Tatani, Atsushi; Takashina, Toru; and Onizuka, Masakazu, 4,810,477, Cl. 423-242.000.

Onken, Gerd: *See—*
Kunze, Dieter; Onken, Gerd; and Wolber, Jorg, 4,849,663, Cl. 307-521.000.

Onmori, Shozo: *See—*
Katagiri, Shingo; Odate, Seizi; and Onmori, Shozo, 4,862,305, Cl. 360-132.000.

Onnenberg, Volker; Busch, Ralf; and Lindsey, John, to Bayer Aktiengesellschaft. Process and a form tool for the production of cushions made of foam which are provided with textile covers. 4,808,100, 2-28-89, Cl. 425-127.000.

Onnenberg, Volker; and Mollmann, Gunter, to Fritsche-Mollmann GmbH & Co.; and Bayer Aktiengesellschaft. Vacuum mold for manufacturing cushions with back-foamed covers. 4,875,843, 10-24-89, Cl. 425-4.00R.

Onnenberg, Volker: *See—*
Busch, Ralf; and Onnenberg, Volker, 4,806,088, Cl. 425-127.000.

Ono, Akehiro: *See—*
Kamimura, Masahiro; Ono, Akehiro; Misu, Susumu; and Nakahara, Junji, 4,826,336, Cl. 400-607.000.

Ono, Akinobu: *See—*
Sugisawa, Ko; Sekiguchi, Kazuya; Tuji, Kiyoaki; and Ono, Akinobu, 4,861,559, Cl. 422-110.000.

Ono, Akira, to Ritt Corporation. Pneumatic impact imparting tool. 4,817,736, 4-4-89, Cl. 173-93.000.

Ono, Akira, to Ritt Corporation. Pneumatic impact imparting tool. 4,867,250, 9-19-89, Cl. 173-93.000.

Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, to Kanebo, Ltd. Fibrous structures having a durable fragrance. 4,882,220, 11-21-89, Cl. 428-240.000.

Ono, Akira: *See—*
Inoue, Senya; and Ono, Akira, 4,836,994, Cl. 423-308.000.
Inoue, Senya; Ono, Akira; Kobayashi, Mikio; and Yokoo, Hiroshi, 4,871,693, Cl. 501-9.000.

Ono, Chikai: *See—*
Toyoda, Kazuhiro; and Ono, Chikai, 4,815,037, Cl. 365-156.000.

Ono, Fumiaki: *See—*
Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.120.

Ono, Harry; Hieshima, Howard; and Meixner, Robert. Automatic soldering machines. 4,832,246, 5-23-89, Cl. 228-1.100.

Ono, Haruo: *See—*
Harumi, Miyama; and Ono, Haruo, 4,817,706, Cl. 165-30.000.

Ono, Hidefumi: *See—*
Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.

Ono, Hideki: *See—*
Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.

Ono, Hideo: *See—*
Harada, Setsuo; Ono, Hideo; and Katayama, Nozomi, 4,816,559, Cl. 530-317.000.
Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Ono, Hideyuki: *See—*
Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.
Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.

Ono, Hiromi; and Shirai, Tetsuaki, to Kawasaki Jukogyo Kabushiki Kaisha. Horizontal-shaft OHV engine. 4,811,705, 3-14-89, Cl. 123-195.0AC.

Ono, Hiroshi; Kasuga, Takaharu; Kiyono, Shinji; and Fujita, Yoshihiro, to Mitsui Toatsu Chemicals, Incorporated. Production process of 2-chloropropionaldehyde. 4,825,003, 4-25-89, Cl. 568-490.000.

Ono, Hiroshi; and Kasuga, Takaharu, to Mitsui Toatsu Chemicals, Incorporated. Production process of 2-chloropropionaldehyde. 4,885,400, 12-5-89, Cl. 568-454.000.

Ono, Hiroshi: *See—*
Makihara, Novuo; Ono, Hiroshi; and Kawamura, Norimasa, 4,878,865, Cl. 440-66.000.
Matsuda, Minoru; Itoh, Seiki; and Ono, Hiroshi, 4,888,392, Cl. 526-279.000.
Tahara, Hideo; Makihara, Novuo; and Ono, Hiroshi, 4,889,507, Cl. 440-61.000.

Ono, Hiroyuki: *See—*
Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, 4,851,771, Cl. 324-208.000.

Ono, Hisao: *See—*
Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.

Ono, Hitoshi; and Kato, Yoshiaki, to Mitsubishi Kasei Corporation. Electrophotographic photoreceptor comprising a charge transport medium and a bis-azo compound containing oxygen. 4,873,164, 10-10-89, Cl. 430-58.000.

Ono, Isao: *See—*
Fukuda, Tatemi; Kawasaki, Yoshio; Wakai, Masao; Negishi, Kenji; Ono, Isao; and Arita, Isao, 4,819,302, Cl. 19-262.000.

Ono, Izumi: *See—*
Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.

Ono, Jun; and Tamura, Michio, to Honda Giken Kogyo Kabushiki Kaisha. Sun-roof apparatus for vehicle. 4,844,532, 7-4-89, Cl. 296-213.000.

Ono, Junji, to Sony Corporation. Devices for detecting defects of disc-shaped record media. 4,817,077, 3-28-89, Cl. 369-54.000.

Ono, Katsuyasu, to Nippon Seiko Kabushiki Kaisha. Webbing guiding structure for automobile seat belt system. 4,871,191, 10-3-89, Cl. 280-804.000.

Ono, Katsuyasu: *See—*
Yamamoto, Kazuo; Ono, Katsuyasu; and Yamamuro, Shinichi, 4,840,402, Cl. 280-804.000.
Yamamoto, Kazuo; and Ono, Katsuyasu, 4,889,363, Cl. 280-804.000.

Ono, Katuya: *See—*
Kitami, Tetsu; Igarashi, Shigeru; and Ono, Katuya, 4,802,938, Cl. 156-149.000.

Ono, Kazuhito, to Citizen Watch Co., Ltd. Predictive operation type electronic clinical thermometer. 4,866,621, 9-12-89, Cl. 364-413.030.

Ono, Keiichi: *See—*
Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Tamoto, Katsumi; Ohuchi, Renzo; and Ono, Keiichi, 4,880,827, Cl. 514-423.000.

Ono, Keizi: *See—*
Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, 4,813,511, Cl. 180-219.000.

Ono, Ken'ichi: *See—*
Matsuoka, Morito; and Ono, Ken'ichi, 4,874,497, Cl. 204-298.000.

Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, to Nichiban Company Limited. Removable adhesive sheet or tape. 4,822,670, 4-18-89, Cl. 428-317.300.

Ono, Koichi: *See—*
Nejime, Yoshito; Hotta, Masao; Maio, Kenji; and Ono, Koichi, 4,866,444, Cl. 341-159.000.
Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, 4,876,703, Cl. 377-62.000.

Ono, Koji: *See—*
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,840,303, Cl. 228-164.000.
Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,854,493, Cl. 228-5.700.
Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.
Ogata, Eiji; Ono, Koji; and Nate, Nobuyuki, 4,820,831, Cl. 568-33.000.
Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.
Ono, Kouji: *See—*
Kawasaki, Mikio; Shiozawa, Hiroaki; Fukuouji, Kakujulo; and Ono, Kouji, 4,840,888, Cl. 430-567.000.
Ono, Kouzi; and Kawasaki, Mikio, to Konishiroku Photo Industry Co., Ltd. Light-sensitive silver halide photographic material. 4,847,187, 7-11-89, Cl. 430-528.000.
Ono, Kozo: *See—*
Nagasawa, Kiyoshi; Ono, Kozo; Ogata, Kojiro; Murayama, Ken; and Hoshino, Yoshihiro, 4,888,878, Cl. 33-573.000.
Ono, Kunihisa: *See—*
Nawata, Yoshiaki; Ono, Kunihisa; Takahashi, Koji; and Kanno, Yoshiyasu, 4,835,588, Cl. 357-36.000.
Ono, Kunio: *See—*
Shiraishi, Yoichi; Sakemi, Junya; Ono, Kunio; and Naka, Ichiro, 4,888,299, Cl. 437-51.000.
Ono, Mamoru; Naruse, Kohji; and Okazaki, Toshio, to Yazaki Corporation. Grommet with wires sealed thereto and method of forming same. 4,797,513, 1-10-89, Cl. 174-153.00G.
Ono, Mamoru; and Takeuchi, Kenji, to Teac Corporation. Head position control mechanism for a magnetic disk apparatus with head locking. 4,807,072, 2-21-89, Cl. 360-105.000.
Ono, Mamoru; and Okazaki, Toshio, to Yazaki Corporation. Bundled strands protector. 4,864,082, 9-5-89, Cl. 174-97.000.
Ono, Mamoru: *See—*
Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Kohji, 4,814,028, Cl. 156-48.000.
Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Koji, 4,822,434, Cl. 156-48.000.
Tanishima, Takao; Hayashi, Toru; and Ono, Mamoru, 4,816,942, Cl. 360-78.120.
Ono, Masanao: *See—*
Minamikawa, Masayasu; Onabe, Yoshiaki; and Ono, Masanao, 4,877,970, Cl. 250-560.000.
Ono, Masaru, to Fuji Photo Film Co., Ltd. Frame positioning method. 4,825,387, 4-25-89, Cl. 364-518.000.
Ono, Masaru, to Fuji Photo Film Co., Ltd. Frame positioning method. 4,839,825, 6-13-89, Cl. 364-518.000.
Ono, Masashi: *See—*
Higo, Yakichi; Nunomura, Shigetomo; and Ono, Masashi. 4,819,753, Cl. 128-773.000.
Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, to Agency of Industrial Science and Technology; and Seiko Instruments Inc. Relative displacement control apparatus. 4,866,271, 9-12-89, Cl. 250-306.000.
Ono, Masayoshi; and Nomura, Hitoshi, to Chugai Seiyaku Kabushiki Kaisha. Novel CSF and method for obtaining the same. 4,833,127, 5-23-89, Cl. 514-21.000.
Ono, Masayoshi: *See—*
Kanda, Shigeru; Shibata, Manabu; Ono, Masayoshi; and Okano, Michikazu, 4,838,939, Cl. 106-281.100.
Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, to Fujitsu Limited. High packing density lead frame and integrated circuit. 4,801,997, 1-31-89, Cl. 357-70.000.
Ono, Mikiya: *See—*
Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuchi, Hiroyasu; and Ono, Mikiya, 4,820,573, Cl. 428-228.000.
Ono, Minoru: *See—*
Hashimoto, Masafumi; and Ono, Minoru, 4,804,988, Cl. 354-276.000.
Kurabayashi, Hiroyuki; and Ono, Minoru, 4,851,328, Cl. 430-536.000.
Ono, Mitsuaki; Ueda, Masataka; and Miyazaki, Osamu, to Matsushita Electric Industrial Co., Ltd. Magnetic head for magnetic recording and reproducing unit. 4,888,658, 12-19-89, Cl. 360-126.000.
Ono, Mitsumasa: *See—*
Kuwata, Sinichi; Katoh, Hiromasa; and Ono, Mitsumasa, 4,802,957, Cl. 204-1.00T.
Ono, Mitsunori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,842,985, 6-27-89, Cl. 430-226.000.
Ono, Mitsunori: *See—*
Itoh, Isamu; Ono, Mitsunori; Kobayashi, Hidetoshi; and Yamakawa, Kazuyoshi, 4,831,152, Cl. 548-224.000.
Itoh, Isamu; Ono, Mitsunori; and Inagaki, Yoshio, 4,888,268, Cl. 430-218.000.
Tamoto, Koji; and Ono, Mitsunori, 4,857,447, Cl. 430-544.000.
Ono, Mitsuya, to Diesel Kiki Co., Ltd. Sliding-vane rotary compressor for bearing lubrication. 4,834,634, 5-30-89, Cl. 418-94.000.
Ono, Mitsuya: *See—*
Sumikawa, Seiji; Takayama, Hidehiko; Suzuki, Yoshio; and Ono, Mitsuya, 4,830,590, Cl. 418-96.000.
Ono, Miyoko: *See—*
Suwa, Yoshihide; Kobayashi, Takumi; Ishigouoka, Hiroshi; a Ono, Miyoko, 4,867,990, Cl. 426-8.000.
Ono, Motoyuki: *See—*
Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Mou Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, 4,840,552, C 425-72.100.
Ono, Nobutaka, to Osaka Bobbin Kabushiki Kaisha. Method of dyeing and hydro-extracting collectively yarn cheeses and apparatus therefor. 4,796,320, 1-10-89, Cl. 8-155.200.
Ono, Nobuyuki; and Ogata, Toshikazu, to Kabushiki Kaisha Toshiba Ventilating unit for drawing and exhausting air. 4,817,708, 4-4-89, C 165-54.000.
Ono, Noritsugu: *See—*
Hayashi, Koji; Yoshioka, Susumu; and Ono, Noritsugu, 4,805,314 Cl. 33-503.000.
Ono Pharmaceutical Co., Ltd.: *See—*
Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,829,078, Cl. 514-397.000.
Imaki, Katsuhiro; Arai, Yoshinobu; and Ohno, Hiroyuki, 4,843,0 Cl. 514-518.000.
Imaki, Katsuhiro; Okegawa, Tadao; and Arai, Yoshinobu, 4,888,351, Cl. 514-397.000.
Kim, Soonih; Takeda, Kazuhisa; and Sasatani, Seiei, 4,889,723, C 424-450.000.
Masuda, Yoshinobu, 4,812,475, Cl. 514-412.000.
Nakai, Hisao; Terashima, Hiroshi; and Arai, Yoshinobu, 4,86 Cl. 514-563.000.
Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mo Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fu and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.
Toda, Masaaki, Miyamoto, Tumoru; and Arai, Yoshino 4,847,275, Cl. 514-382.000.
Toda, Masaaki; Ohuchida, Shuichi; and Ohno, Hiroyuki, 4,857,5 Cl. 514-365.000.
Ono, Satoshi: *See—*
Hiramitsu, Tetsushi; Ono, Satoshi; Hirano, Atsuo; and Mura Zenzaburo, 4,796,482, Cl. 74-492.000.
Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Sato Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kim Makoto, 4,868,355, Cl. 200-61.540.
Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwa Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasu Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.
Ono, Seigo: *See—*
Ebina, Osamu; and Ono, Seigo, 4,812,829, Cl. 340-709.000.
Ono, Shigetoshi: *See—*
Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Wata nabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,0 Cl. 430-548.000.
Ono, Shizumi: *See—*
Tsuchiya, Kanji; and Ono, Shizumi, 4,879,132, Cl. 426-634.000
Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyos Fujiwara, Shinobu; and Oikawa, Yasunobu, to TDK Corporation Semiconductive ceramic composition and semiconductor ceram capacitor. 4,799,127, 1-17-89, Cl. 361-321.000.
Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyos Fujiwara, Shinobu; and Oikawa, Yasunobu, to TDK Corporation Semiconductive ceramic composition and semiconductive ceram capacitor. 4,854,936, 8-8-89, Cl. 29-570.100.
Ono, Shuichi; Yahagi, Masahiro; Itagaki, Shuichi; and Kikuc Nobuaki, to TDK Corporation. Semiconductive ceramic compo tion. 4,861,736, 8-29-89, Cl. 501-137.000.
Ono, Shuichi; Itagaki, Shuichi; and Yahagi, Masahiro, to TDK Corp ration. Semiconductive ceramic composition. 4,889,837, 12-26-89, C 501-139 000.
Ono, Shuji, to Fuji Photo Film Co., Ltd. Apparatus for recording reading and reproducing radiation image information. 4,849,6 7-18-89, Cl. 250-327.200.
Ono, Shuji; and Yamamoto, Masafumi, to Fuji Photo Film Co., Lt Laser beam scanning system. 4,873,435, 10-10-89, Cl. 250-235.000.
Ono, Shuji, to Fuji Photo Film Co., Ltd. Optical unit with detachab mounted optics to maintain hermetic sealing of the unit. 4,877,9 10-31-89, Cl. 250-239.000.
Ono, Shusuke: *See—*
Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shu suke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiro chi, 4,850,692, Cl. 356-1.000.
Ono Sokki Co., Ltd.: *See—*
Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omo Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; a Takamura, Akio, 4,858,466, Cl. 73-119.00A.
Ono, Taizo: *See—*
Ashimori, Atsuyuki; Ono, Taizo; Inoue, Yoshihisa; Fuka Chikara; and Yokoyama, Kazumasa, 4,886,819, Cl. 514-356.00
Fukaya, Chikara; Ashimori, Atsuyuki; Ono, Taizo; and Yokoyam Kazumasa, 4,849,429, Cl. 514-307.000.
Scherer, Kirby V., Jr.; Ono, Taizo; Yamanouchi, Kouichi; a Yokoyama, Kazumasa, 4,868,318, Cl. 549-362.000.
Ono, Takashi; and Kitazawa, Shooji, to Oki Electric Industry Co., Lt Method for erasing data in a semiconductor memory devic 4,884,239, 11-28-89, Cl. 365-185.000.
Ono, Takashi: *See—*
Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, Cl. 148-286.000.
Ishii, Hiromitsu; and Ono, Takashi, 4,838,698, Cl. 356-437.000.
Ishii, Hiromitsu; and Ono, Takashi, 4,871,999, Cl. 340-587.000.
Ono, Takayuki: *See—*
Wada, Toshiaki; Nakaoka, Junichi; and Ono, Takayuki, 4,816,128, Cl. 204-192.230.
Ono, Takeo: *See—*
Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, 4,855,123, Cl. 423-562.000.
Ono, Takeshi, to Canon Kabushiki Kaisha. Thermal recording process and apparatus therefor. 4,814,789, 3-21-89, Cl. 346-76.0PH.
Ono, Takeshi, to Canon Kabushiki Kaisha. Thermal recording apparatus with variably controlled energization of the heating elements thereof. 4,875,056, 10-17-89, Cl. 346-76.0PH.
Ono, Takeshi: *See—*
Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junichi; Yajima, Akitaka; and Aruga, huji, 4,850,685, Cl. 350-397.000.
Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
Ono, Takuhiro: *See—*
Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Masaru; and Watari, Masafumi, 4,812,016, Cl. 350-320.000.
Ono, Takuro; Aoyama, Noboru; and Morinaga, Kaoru, to Kabushiki Kaisha Toshiba. Optical disc player. 4,890,276, 12-26-89, Cl. 369-77.200.
Ono, Tetsuo: *See—*
Itahana, Tsutomu; Ono, Tetsuo; and Sugimoto, Tamio, 4,886,425, Cl. 417-309.000.
Mastuno, Hiromistu; Murayama, Seiichi; Ono, Tetsuo; and Watanabe, Yoshio, 4,879,493, Cl. 313-641.000.
Matsuno, Hiromitsu; Ono, Tetsuo; and Murayama, Seiichi, 4,803,401, Cl. 313-489.000.
Ono, Toshio: *See—*
Saito, Shinji; Mizuno, Chiaki; Ono, Toshio; and Ogawa, Hiroshi, 4,865,924, Cl. 428-694.000.
Shimodaira, Hisayo; and Ono, Toshio, 4,807,969, Cl. 350-320.000.
Shimodaira, Hisayo; Ono, Toshio; Miyawaki, Keizo; and Hamaguchi, Tatsuya, 4,875,766, Cl. 350-641.000.
Ono, Toyoichi; Ono, Yoshihisa; Ichimura, Yasuhiko; and Sakanishi, Shoichi, to Kabushiki Kaisha Komatsu Seisakusho. System for measuring the position of a moving body. 4,818,107, 4-4-89, Cl. 356-375.000.
Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, to Victor Company of Japan, Ltd. Digital signal recording and reproducing apparatus having rotary magnetic heads. 4,811,128, 3-7-89, Cl. 360-73.120.
Ono, Tsuyoshi; and Seto, Kunihira, to Fuji Photo Film Co., Ltd. Magnetic disc cartridge with spindle abutment plate. 4,855,857, 8-8-89, Cl. 360-133.000.
Ono, Tuyoshi, to Fuji Photo Film Co., Ltd. Shutter in a write protect magnetic disk cartridge. 4,796,138, 1-3-89, Cl. 360-133.000.
Ono, Yoshie: *See—*
Kagimasa, Toyohiko; Takahashi, Kikuo; Ono, Yoshie; and Yoshizumi, Seiichi, 4,851,989, Cl. 364-200.000.
Ono, Yoshihisa: *See—*
Ono, Toyoichi; Ono, Yoshihisa; Ichimura, Yasuhiko; and Sakanishi, Shoichi, 4,818,107, Cl. 356-375.000.
Ono, Yoshinobu: *See—*
Obata, Keiichi; Yoshida, Suguru; Saitoh, Masahiro; and Ono, Yoshinobu, 4,889,678, Cl. 264-313.000.
Ono, Yotaro: *See—*
Hotta, Hirohisa; Ono, Yotaro; and Matsuura, Masahiro, 4,887,800, Cl. 266-270.000.
Ono, Youji: *See—*
Terada, Haruyoshi; Ono, Youji; Satoh, Yokichi; and Kaneko, Hideaki, 4,857,225, Cl. 252-100.000.
Ono, Yuichi; and Takikawa, Kazunori, to Usui Kokusai Sangyo Kabushiki Kaisha. Thermal response type fluid fan coupling device. 4,796,571, 1-10-89, Cl. 123-41.120.
Ono, Yuichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Valve member of temperature sensitive fluid fan coupling. 4,846,331, 7-11-89, Cl. 192-58.00B.
Ono, Yuichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Temperature-sensitive fluid type fan coupling apparatus. 4,850,465, 7-25-89, Cl. 192-58.00B.
Ono, Yuichi: *See—*
Meguro, Kazuhisa; and Ono, Yuichi, 4,805,447, Cl. 73-121.000.
Nakatsuka, Shinichi; Chinone, Naoki; Uomi, Kazuhisa; Ono, Yuichi; and Kajimura, Takashi, 4,821,275, Cl. 372-45.000.
Uomi, Kazuhisa; Yoshizawa, Misuzu; Ono, Yuichi; Chinone, Naoki; and Kajimura, Takashi, 4,797,891, Cl. 372-46.000.
Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
Usagawa, Toshiyuki; Shiraki, Yasuhiro; Ono, Yuichi; Takahashi, Susumu; and Hashimoto, Norikazu, 4,805,005, Cl. 357-22.000.
Yoshizawa, Misuzu; Uomi, Kazuhisa; Kawano, Toshihiro; Ono, Yuichi; and Kajimura, Takashi, 4,800,565, Cl. 372-45.000.
Ono, Yukiko: *See—*
Tanaka, Shotaro; Ikezaki, Masao; Ono, Yukiko; and Sasanuma, Hiroshi, 4,872,162, Cl. 370-85.120.
Ono, Yukou: *See—*
Endo, Mitsuhiro; Ando, Hiromi; and Ono, Yukou, 4,813,336, Cl. 91-369.400.
Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, to Yokogawa Electric Corporation. Direct drive motor system. 4,843,292, 6-27-89, Cl. 318-606.000.
Ono, Yutaka: *See—*
Kuwahara, Hajime; Matsumoto, Takaharu; and Ono, Yutaka, 4,833,624, Cl. 364-513.000.
Ono, Yuuichi: *See—*
Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, 4,827,483, Cl. 372-45.000.
Ono, Yuzo, to NEC Corporation. Optical storage medium. 4,842,824, 6-27-89, Cl. 428-64.000.
Onocki, Theodore J.: *See—*
Robbins, Edward S., III; and Onocki, Theodore J., 4,871,264, Cl. 383-68.000.
Onoda Cement Company, Ltd.: *See—*
Ishii, Shiro; Kubota, Hachiro; Hida, Toshiharu; and Migita, Junichiro, 4,807,530, Cl. 102-333.000.
Katayama, Takaaki; Ishii, Shiro; Hitotsuya, Koretoshi; and Kubota, Hachiro, 4,816,194, Cl. 264-16.000.
Kawasaki, Masaki; and Mizukami, Kunio, 4,800,184, Cl. 501-140.000.
Omori, Yoshitaka; Suzuki, Kanzi; and Niinuma, Fumitoshi, 4,844,855, Cl. 264-311.000.
Tanaka, Hiroaki; Ito, Mitsuhiro; Furukawa, Takeshi; and Fujii, Satoru, 4,818,376, Cl. 209-135.000.
Yamamoto, Masahiro; Kumata, Mituyosi; Kozoe, Katutoshi; and Itoh, Tsutomu, 4,811,689, Cl. 118-624.000.
Onoda, Hiroshi; Sakakibara, Kenji; and Akao, Michitoshi, to Brother Kogyo Kabushiki Kaisha. Electronic typewriter with a detector switch. 4,798,485, 1-17-89, Cl. 400-54.000.
Onoda, Junjiro, to Hitachi, Ltd.; and Onoda, Junjiro. Deployable truss. 4,819,399, 4-11-89, Cl. 52-646.000.
Onoda, Kazuo: *See—*
Hayakawa, Futomi; and Onoda, Kazuo, 4,812,620, Cl. 219-347.000.
Onoda, Michitoshi: *See—*
Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; and Hattori, Tadashi, 4,833,912, Cl. 73-118.200.
Ohta, Minoru; Onoda, Michitoshi; Miura, Kazuhiko; Huzino, Seizi; Hattori, Tadashi; Kanehara, Kenji; and Fukutani, Masanori, 4,843,882, Cl. 73-204.260.
Onoda, Ruri: *See—*
Kuroki, Yoichi; and Onoda, Ruri, 4,830,500, Cl. 356-401.000.
Onoda, Sachio: *See—*
Fujitani, Makoto; Hirabayashi, Masashi; Honda, Hideo; Machida, Hiroshi; Kondo, Masami; and Onoda, Sachio, 4,884,956, Cl. 418-15.000.
Onoda, Shigeo: *See—*
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,838,804, Cl. 439-325.000.
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasatani, Yasushi, 4,864,116, Cl. 235-492.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,868,713, Cl. 361-392.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; Onoda, Shigeo; and Kasatani, Yasushi, 4,868,714, Cl. 361-395.000.
Banjo, Toshinobu; Murasawa, Yasuhiro; and Onoda, Shigeo, 4,890,197, Cl. 361-392.000.
Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,842,966, Cl. 429-96.000.
Omori, Makoto; Banjo, Toshinobu; and Onoda, Shigeo, 4,868,074, Cl. 429-98.000.
Onoda, Shigeyoshi; and Ebata, Tokihide, to Canon Kabushiki Kaisha. Image bearing member usable with image forming apparatus. 4,839,690, 6-13-89, Cl. 355-211.000.
Onoda, Shigeyoshi: *See—*
Ikemoto, Isao; Kanemitsu, Shinji; Mizutani, Morikazu; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,809,033, Cl. 355-3.0SH.
Mizutani, Morikazu; Onoda, Shigeyoshi; Ikemoto, Isao; Kanemitsu, Shinji; and Kitajima, Hajime, 4,806,977, Cl. 355-8.000.
Sootome, Sumitoshi; Mizutani, Morikazu; Ikemoto, Isao; Kanemitsu, Shinji; Kitajima, Hajime; and Onoda, Shigeyoshi, 4,875,075, Cl. 355-50.000.
Onoda, Yoshito: *See—*
Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, 4,818,735, Cl. 501-134.000.
Onodera, Akira: *See—*
Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.
Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.
Onodera, Chika: *See—*
Kawakami, Katsura; Shimazaki, Shigeo; Takayama, Satoshi; and Onodera, Chika, 4,860,109, Cl. 358-400.000.

- Onodera, Fumio; Uchimi, Hiroshi; and Koseki, Toshio, to Kitanihon Electric Wire Co., Ltd. Manufacturing machine for sagged self-supporting cable. 4,883,671, 11-28-89, Cl. 425-122.000.
- Onodera, Hideo: *See—*
  - Kawajiri, Tatsuya; Onodera, Hideo; Uchida, Shinichi; Aoki, Yukio; and Wada, Masahiro, 4,873,217, Cl. 502-311.000.
- Onodera, Kagetoshi; Koizumi, Tatsuya; Kato, Toshiyuki; Sotani, Junji; Momo, Masauki; and Furuya, Shuichi, to Fukura Electric Company, Ltd., The. Method of making heat transfer tube. 4,873,127, 10-10-89, Cl. 427-376.800.
- Onodera, Kaoru: *See—*
  - Kajiwara, Makoto; and Onodera, Kaoru, 4,830,955, Cl. 430-505.000.
  - Kaneko, Yutaka; Kadokura, Kenzi; Nishijima, Toyoki; and Onodera, Kaoru, 4,863,842, Cl. 430-551.000.
  - Komorita, Kazuo; and Onodera, Kaoru, 4,837,143, Cl. 430-621.000.
  - Komorita, Kazuo; and Onodera, Kaoru, 4,863,840, Cl. 430-505.000.
  - Miyoshi, Masanobu; Kajiwara, Makoto; Onodera, Kaoru; and Sakamoto, Eiichi, 4,839,263, Cl. 430-384.000.
  - Ohbayashi, Keiji; Chino, Shigeo; Okumura, Mitsuhiro; and Onodera, Kaoru, 4,797,350, Cl. 430-380.000.
  - Sasaki, Masao; and Onodera, Kaoru, 4,795,696, Cl. 430-512.000.
  - Takada, Shun; Murai, Kazuhiro; and Onodera, Kaoru, 4,820,614, Cl. 430-505.000.
  - Takada, Shun; and Onodera, Kaoru, 4,828,969, Cl. 430-505.000.
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- Onodera, Kenji: *See—*
  - Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, 4,832,860, Cl. 252-56.00R.
- Onodera, Masako, to Kabushiki Kaisha Toshiba. Multiple force retract circuit for a magnetic disk drive. 4,807,062, 2-21-89, Cl. 360-75.000.
- Onodera, Mitsuo, to Hayashi Manufacturing Company, Ltd. Attached pulverulent and granular material shake-down apparatus. 4,850,436, 7-25-89, Cl. 173-1.000.
- Onodera, Mitsuo, to Hayashi Manufacturing Company, Ltd. Method of constructing a shock application device. 4,858,300, 8-22-89, Cl. 29-463.000.
- Onodera, Nobuo: *See—*
  - Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,849,438, Cl. 514-373.000.
- Onodera, Noriaki: *See—*
  - Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, 4,797,890, Cl. 372-46.000.
- Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, to Hitachi, Ltd. Flanged transducer supporting arm for a magnetic head/arm assembly. 4,884,154, 11-28-89, Cl. 360-104.000.
- Onodera, Takashi: *See—*
  - Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, 4,797,616, Cl. 324-309.000.
  - Yamamoto, Etsuji; and Onodera, Takashi, 4,833,408, Cl. 324-309.000.
- Onodera, Tugio: *See—*
  - Eguchi, Hitoshi; Kuribara, Motoaki; Onodera, Tugio; Kobayashi, Koji; Fujino, Ikuo; Hagiwara, Hiroshi; and Ogino, Seiichi, 4,855,609, Cl. 290-48.000.
- Onodera, Yasuaki: *See—*
  - Shimizu, Chuji; and Onodera, Yasuaki, 4,809,699, Cl. 128-640.000.
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  - Horiuchi, Hideyuki; Shimbo, Chiaki; Onodera, Yoichi; and Suzuki, Ryuichi, 4,818,861, Cl. 250-235.000.
- Onodera, Yumiko: *See—*
  - Ishizaki, Takaharu; Igarashi, Taizo; Urano, Yasuo; and Onodera, Yumiko, 4,885,008, Cl. 44-62.000.
- Onoe, Akira; Kawamura, Masao; Kato, Kunioki; Yoshikawa, Masato; and Kagano, Hirokazu, to Seitetsu Kagaku Co., Ltd. Method of producing alkali metal benzenesulfinates. 4,849,138, 7-18-89, Cl. 562-125.000.
- Onoe, Hiroyasu: *See—*
  - Ueyama, Seiji; and Onoe, Hiroyasu, 4,840,835, Cl. 428-212.000.
- Onoe, Teruhiko: *See—*
  - Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.
- Onofri, Bruno: *See—*
  - Mazzalupi, Giovanni; and Onofri, Bruno, 4,854,402, Cl. 175-171.000.
- Onogi, Nobuyoshi; Shimamoto, Mamoru; and Shinoda, Yoshio, to Nippondenso Co., Ltd. Speed control system for vehicles. 4,797,826, 1-10-89, Cl. 364-426.040.
- Onogi, Nobuyoshi; Shimamoto, Mamoru; Hoashi, Yosiaki; and Tago, Masakazu, to Nippondenso Co., Ltd. Anti-skid control system. 4,807,941, 2-28-89, Cl. 303-108.000.
- Onogi, Shinichi: *See—*
  - Shimizu, Etsuo; Kotera, Noboru; Onogi, Shinichi; and Hitomi, Teiichi, 4,839,243, Cl. 428-690.000.
- Onogi, Yasuharu; Oka, Akinori; Nagatomo, Masakatsu; Kou Takumi; and Mizumoto, Kouji, to Oji Paper Co., Ltd. Electro recording material. 4,840,834, 6-20-89, Cl. 428-211.000.
- Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Aki and Kawaguchi, Nobuhisa, to Sumitomo Bakelite Company Lim and Fuji Systems Corp. Thermoplastic resin-silicone compo shaped article. 4,814,231, 3-21-89, Cl. 428-425.500.
- Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira a Kawaguch, Nobuhisa, to Sumitomo Bakelite Company Ltd.; and F Systems Corp. Thermoplastic resin silicone composite shaped artic 4,834,721, 5-30-89, Cl. 604-266.000.
- Onohara, Masayuki: *See—*
  - Sato, Toru; Matsuda, Atsuya; Shibata, Masaru; and Onoha Masayuki, 4,837,047, Cl. 422-41.000.
- Onoki, Fumio, to Hoya Corporation. Process for producing lamin ophthalmic lens. 4,883,548, 11-28-89, Cl. 156-99.000.
- Onomichi, Kyoko: *See—*
  - Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomic Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,7 Cl. 430-58.000.
- Onomura, Hiroshi: *See—*
  - Ikeda, Hayato; Kitahama, Satoshi; and Onomura, Hiro 4,836,754, Cl. 417-269.000.
- Onorato, Frank J.; Sansone, Michael J.; and Schlask, Arthur, to H echst Celanese Corporation. Wet spun hydroxyethylated polyb zimidazole fibers. 4,814,228, 3-21-89, Cl. 428-398.000.
- Onorato, Frank J.: *See—*
  - Sansone, Michael J.; Onorato, Frank J.; and Pulaski, Har 4,826,502, Cl. 8-115.590.
- Onosato, Hiroshi; Horikoshi, Hiroshi; and Hirahara, Masahiro, to To Kabushiki Kaisha (Toso Company Limited). Manually ope electric curtain. 4,819.708, 4-11-89, Cl. 160-331.000.
- Onosato, Masashi: *See—*
  - Inoue, Hiroo; Kouyama, Toshitake, and Onosato, Mas 4,814,888, Cl. 358-211.000.
- Onose, Jun; Takagi, Kazutoshi; and Adachi, Fukuichi, to To Kogaku Kikai Kabushiki Kaisha. Light source device for medi apparatus. 4,855,875, 8-8-89, Cl. 362-32.000.
- Onoue, Akihiro, to Sanshin Kogyo Kabushiki Kaisha. Driveshaft su porting device for marine propulsion engine. 4,820,211, 4-11-89, C 440-83.000.
- Onoue, Kazuhiko; and Kashiki, Hajime, to Kawasaki Jukogyo Ka shiki Kaisha. Control of an industrial robot. 4,853,603, 8-1-89, C 318-568.150.
- Onoue, Takeshi: *See—*
  - Yato, Tadao; Onoue, Takeshi; and Tanaka, Hiroshi, 4,882,100, 264-0.500.
- Onoue, Toshinobu, to Tochigifujisangyo Kabushiki Kaisha. Pow transmission apparatus. 4,884,470, 12-5-89, Cl. 74-710.500.
- Onoyama, Yugo: *See—*
  - Abe, Takehiro; and Onoyama, Yugo, 4,834,826, Cl. 156-344.00
- Onozato, Takashi, to Alps Electric Co., Ltd. Pen exchange mechan a pen chuck mechanism, a pen position regulating mechanism an printing method for a pen type printer. 4,845,516, 7-4-89, Cl. 34 139.00R.
- Onozawa, Kazunori: *See—*
  - Nakazato, Shinji; Uchida, Hideaki; Tanba, Nobuo; Go Nobuyuki; Onozawa, Kazunori; and Hiraishi, Atsushi, 4,864, Cl. 357-42.000.
- Onozawa, Makoto; Kito, Koji; and Osawa, Michitaka, to Hitachi, L Horizontal deflection high-voltage circuit. 4,823,052, 4-18-89, C 315-408.000.
- Onozuka, Kazutaka: *See—*
  - Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Ta Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801, Cl. 239-290.000.
- Onstott, Joseph W., to United States of America, Administrator, N tional Aeronautics and Space Administration. High tempera insulation barrier composite. 4,877,689, 10-31-89, Cl. 428-607.000.
- Onstwedder, John, Jr. Yieldable mooring line for a boat. 4,864, 9-12-89, Cl. 114-230.000.
- Ontario Cancer Institute, The: *See—*
  - Ling, Victor; and Kartner, Norbert, 4,837,306, Cl. 530-387.000.
- Ontario Drive and Gear Limited: *See—*
  - McIntosh, Lawrie G., 4,810,043, Cl. 305-15.000.
- Ontario Hydro: *See—*
  - Cenanovic, Matija, 4,867,940, Cl. 376-260.000.
- Ontario Limited: *See—*
  - Arnott, John; and Kaga, Gary, 4,874,099, Cl. 211-50.000.
- Ontario Research Foundation: *See—*
  - Leidner, Jacob, 4,810,431, Cl. 264-15.000.
  - Vergeer, Henry C.; Jones, Murray W.; and Robinson, Wa 4,813,233, Cl. 60-286.000.
- Ontario Technologies Corp.: *See—*
  - Weisert, Edward D.; Fischer, John R.; and McCauley, Willia 4,882,823, Cl. 29-6.100.
- Onteam Limited: *See—*
  - Satchell, Ronald N., 4,809,476, Cl. 52-241.000.
- Ontic Engineering and Manufacturing Inc.: *See—*
  - Beattie, Steven K.; Richards, Paul C.; and Smith, David 4,872,208, Cl. 324-174.000.
- Onufer, George R. Mobile fuel tank vapor emission control system method. 4,829,968, 5-16-89, Cl. 123-518.000.
- Onuki, Kazuhiko; Maetani, Masami; Ito, Masahiko; and Murata, Sh to Canon Kabushiki Kaisha. Reader-printer. 4,879,572, 11-7-89, C 355-45.000.
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- Onuki, Kazuhiko: *See—*
  - Ito, Masahiko; Maetani, Masami; Murata, Shinji; and Onuki, Kazuhiko, 4,800,413, Cl. 355-45.000.
- Onuki, Ken: *See—*
  - Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, 4,855,993, Cl. 370-16.000.
- Onuki, Takashi: *See—*
  - Naora, Hirokazu; Onuki, Takashi; and Nakamura, Asao, 4,849,535, Cl. 556-441.000.
- Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, to Kabushikikaisha Riken; and Kabushiki Kaisha Komatsu Seisakusho. Piston ring having a wear resistant surface layer. 4,876,158, 10-24-89, Cl. 428-565.000.
- Onuma, Akihiko; and Fujii, Iwao, to Minolta Camera Kabushiki Kaisha. Multitone thermal transfer recording method and apparatus. 4,806,949, 2-21-89, Cl. 346-76.0PH.
- Onuma, Masashi, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for mounting tires on wheels. 4,830,079, 5-16-89, Cl. 157-1.240.
- Onuma, Yoshihiro: *See—*
  - Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, 4,836,636, Cl. 350-96.200.
- Onyon, Peter D., to Rank Taylor Hobson Limited. Apparatus for measuring and controlling velocity. 4,807,164, 2-21-89, Cl. 364-565.000.
- Onyon, Peter D., to Rank Taylor Hobson Limited. Apparatus for indicating the value of a variable. 4,823,000, 4-18-89, Cl. 250-231.0SE.
- Onyon, Peter D.: *See—*
  - Lane, Hugh R.; and Onyon, Peter D., 4,807,152, Cl. 364-513.000.
- Ooe, Akihiko: *See—*
  - Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.
- Ooe, Haruki; and Kobayashi, Kouichi, to Copal Company Limited. Driving unit using electrostrictive element. 4,851,871, 7-25-89, Cl. 354-435.000.
- Ooe, Kishiro. Line hook for fishing float. 4,819,305, 4-11-89, Cl. 25-237.000.
- Ooe, Takashi; Nagai, Minoru; and Momotari, Yoshitaka, to Mitsui Toatsu Chemicals, Inc. Permanent magnet and process for producing the same. 4,810,572, 3-7-89, Cl. 428-323.000.
- Oogami, Shunsuke: *See—*
  - Fujii, Masanori; Komura, Shuji; and Oogami, Shunsuke, 4,855,204, Cl. 430-106.000.
- Oogi, Takashi, to Sony Corporation. Tape cassette. 4,824,044, 4-25-89, Cl. 242-198.000.
- Oogi, Takashi: *See—*
  - Karibe, Haruyuki; Oogi, Takashi; and Igarashi, Tadao, 4,864,448, Cl. 360-132.000.
- Oogita, Yoshinori, to Sharp Kabushiki Kaisha. Card-type processing device. 4,804,828, 2-14-89, Cl. 235-1.00D.
- Oogita, Yoshinori, to Sharp Kabushiki Kaisha. IC card with fewer input keys. 4,806,745, 2-21-89, Cl. 235-492.000.
- Oogita, Yoshinori; and Shino, Katsuhide, to Sharp Kabushiki Kaisha. Card-shaped electronic apparatus with embossed surface and method of producing same. 4,882,477, 11-21-89, Cl. 235-488.000.
- Oohashi, Hiroshi: *See—*
  - Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, 4,814,376, Cl. 524-588.000.
- Oohashi, Kazuyuki: *See—*
  - Miyagisima, Takao; and Oohashi, Kazuyuki, 4,804,830, Cl. 235-379.000.
- Oohashi, Masaki: *See—*
  - Ogawa, Kazuo; Oohashi, Masaki; and Kamiya, Tomoyuki, 4,851,067, Cl. 156-244.180.
- Oohashi, Shigeo: *See—*
  - Nakajima, Tadakatsu; Nakayama, Wataru; Oohashi, Shigeo; Kuwabara, Heikichi; and Daikoku, Takahiro, 4,823,863, Cl. 165-80.400.
- Oohashi, Tamihiro: *See—*
  - Kawamura, Takanobu; Oohashi, Tamihiro; and Chiku, Shinji, 4,843,125, Cl. 525-98.000.
- Oohashi, Tatsuyuki: *See—*
  - Yamauchi, Ryozo; Miyamoto, Matsuhiro; Oohashi, Tatsuyuki; and Fukuda, Osamu, 4,834,786, Cl. 65-3.120.
- Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, to Hitachi, Ltd. Laser device with high-voltage pulse generator, high-voltage pulse generator and pulse generating method. 4,818,892, 4-4-89, Cl. 307-106.000.
- Ooi, Katsunori: *See—*
  - Nakamura, Yoshikathu; Ooi, Katsunori; and Yura, Koji, 4,866,646, Cl. 364-709.110.
- Ooi, Satoru: *See—*
  - Meguro, Kanji; Fujita, Takeshi; Hatanaka, Chitoshi; and Ooi, Satoru, 4,812,570, Cl. 546-280.000.
- Ooi, Shinichi: *See—*
  - Takahashi, Tadahiro; Ooi, Shinichi; and Takemasa, Masami, 4,871,011, Cl. 165-16.000.
- Ooi, Yasushi, to NEC Corporation. Cache controller giving versatility to cache memory structure. 4,833,642, 5-23-89, Cl. 365-49.000.
- Ooi, Yoshikatsu: *See—*
  - Kotani, Matahira; Hayashi, Motohiko; and Ooi, Yoshikatsu, 4,797,748, Cl. 358-257.000.
- Ooishi, Tadashi: *See—*
  - Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.
  - Tomioka, Hiroki; Ooishi, Tadashi; and Hirata, Naonori, 4,843,090, Cl. 514-388.000.
- Ooka, Akihiro; Okamoto, Kenji; and Yamada, Koji, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Truck type patient-moving device. 4,794,655, 1-3-89, Cl. 5-81.00R.
- Ooka, Masataka; Kuwamura, Shinichi; and Ozawa, Hiroshi, to Dainippon Ink and Chemicals, Inc. Room-temperature-curable resin composition. 4,818,790, 4-4-89, Cl. 525-103.000.
- Ooka, Masataka: *See—*
  - Kuwamura, Shinichi; and Ooka, Masataka, 4,886,862, Cl. 526-247.000.
- Ookawa, Katsuhiro; and Hatanaka, Keiji, to Mitsubishi Denki Kabushiki Kaisha. Video recording and reproducing apparatus. 4,827,359, 5-2-89, Cl. 360-10.300.
- Ookawa, Katsuhiro, to Mitsubishi Denki Kabushiki Kaisha. Video recorder with field memory. 4,858,029, 8-15-89, Cl. 358-340.000.
- Ookawa, Norio: *See—*
  - Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.
- Ookawara, Kenzi: *See—*
  - Arai, Hideo; and Ookawara, Kenzi, 4,813,702, Cl. 280-688.000.
- Ooki, Takao; and Eguchi, Jun, to Aichi Steel Works, Limited. Case hardened steel and method of manufacturing the same. 4,802,918, 2-7-89, Cl. 75-10.610.
- Ooki, Tutomu: *See—*
  - Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, 4,812,166, Cl. 75-0.50C.
- Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, to Nitto Kohki Co., Ltd. Boring device. 4,820,088, 4-11-89, Cl. 408-17.000.
- Ooki, Yasumasa; Asano, Osamu; and Mikiya, Toshio, to Nitto Kohki Co., Ltd. Boring device. 4,854,787, 8-8-89, Cl. 408-17.000.
- Ookido, Fumiyasu: *See—*
  - Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187.000.
- Ookubo, Michio: *See—*
  - Yoshimoto, Tokuji; Inagaki, Takashi; and Ookubo, Michio, 4,831,975, Cl. 123-90.310.
- Ookuma, Hisashi: *See—*
  - Nagatomi, Kyosuke; Kajiwara, Teruki; Ookuma, Hisashi; and Tachibana, Ryo, 4,832,983, Cl. 427-81.000.
- Oomori, Hideo: *See—*
  - Kakesu, Takateru; and Oomori, Hideo, 4,825,122, Cl. 313-417.000.
- Oomori, Kiyosi: *See—*
  - Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.
- Oomori, Nobuyoshi: *See—*
  - Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, 4,813,867, Cl. 431-353.000.
- Oomori, Sachio: *See—*
  - Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.
- Ooms, Adrianus J.: *See—*
  - Segerstrom, Clifford C.; Stil, Jacob H.; Ooms, Adrianus J.; Mink, Bernardus H.; Premel, Ulrich; and Gawloski, Leszek, 4,859,214, Cl. 48-197.00R.
- Ooms, Leo A. A.; and Degryse, Anne-Dominique A. Y., to Janssen Pharmaceutica N.V. Method of promoting wound-healing. 4,874,766, 10-17-89, Cl. 514-258.000.
- Ooms, Leo F., to U.S. Philips Corporation. Electric lamp having pinch a seal with primary foils arranged between each current supply conductor and a respective auxiliary foil. 4,823,048, 4-18-89, Cl. 313-623.000.
- Ooms, Leo F. M., to U.S. Philips Corporation. Electric incandescent lamp for operation at line voltage. 4,849,669, 7-18-89, Cl. 313-318.000.
- Ooms, Leo F. M., to U.S. Philips Corporation. Electric amp having a flexible conductor connecting a plurality of external pinch seal conductors to a rigid current-supply conductor. 4,868,452, 9-19-89, Cl. 313-318.000.
- Ooms, Leo F. M.: *See—*
  - Caems, Josephus F.; and Ooms, Leo F. M., 4,866,340, Cl. 313-579.000.
- Ooms, Pieter; and Becker, Benedikt, to Bayer Aktiengesellschaft. 5-amino-3-halogenoalkyl-1-aryl-pyrazoles, composition containing them, and method of using them to combat insects. 4,808,623, 2-28-89, Cl. 514-404.000.
- Ooms, Pieter; Klausener, Alexander; Baasner, Bernd; Becker, Benedikt; Behrenz, Wolfgang; and Homeyer, Bernhard, to Bayer Aktiengesellschaft. 3-halogenoalkyl-1-aryl-pyrazole pesticides, compositions and use. 4,868,198, 9-19-89, Cl. 514-406.000.
- Ooms, Pieter: *See—*
  - Baasner, Bernd; Klausener, Alexander; and Ooms, Pieter, 4,888,430, Cl. 548-247.000.
  - Daum, Werner; Hanssler, Gerd; and Ooms, Pieter. 4,839,381, Cl. 514-444.000.
  - Daum, Werner; Hanssler, Gerd; and Ooms, Pieter, 4,871,864, Cl. 549-60.000.

  - Heine, Hans-Georg; and Ooms, Pieter, 4,876,393, Cl. 568-415.000.
- Oomura, Katsurou: *See—*
  - Nagai, Hisao; Nakagawa, Yuzi; Oomura, Katsurou; and Kimura, Shinichi, 4,814,388, Cl. 525-322.000.
- Oomura, Masatoshi; Miyata, Takahiko; Fujisaki, Kunio; and Shirahase, Tsutomu, to Hitachi, Ltd. Erroneous-operation preventive apparatus. 4,868,372, 9-19-89, Cl. 235-380.000.
- Oomura, Seiji; Fukami, Kashirou; Inagaki, Masao; and Hamamoto, Tooru, to Toyota Jidosha Kabushiki Kaisha. System for controlling rotational speed of hydraulically driven cooling fan of internal combustion engine, responsive to engine coolant and also fan propellant temperature. 4,798,177, 1-17-89, Cl. 12.3-41.120.
- Oomura, Seiji: *See—*
  - Fukami, Kashirou; Inagaki, Masao; Oomura, Seiji; and Hamamoto, Tooru, 4,794,883, Cl. 123-41.120.
- Oomura, Yutaka: *See—*
  - Nagai, Yoichiro; Nakano, Taichi; and Oomura, Yutaka, 4,843,093, Cl. 514-473.000.
- Oonishi, Akiyoshi; Ishino, Iwao; Shimada, Takeo; and Ozeki, Yuji, to Mitsubishi Petrochemical Co., Ltd. Ethylene copolymer and process for the production thereof. 4,871,819, 10-3-89, Cl. 526-245.000.
- Oonishi, Akiyoshi: *See—*
  - Iida, Kazuyuki; Omori, Hiroyuki; Oonishi, Akiyoshi; and Takahashi, Masami, 4,829,111, Cl. 524-100.000.
- Oonishi, Toshiaki. Function-conversion device for ground monocular telescope. 4,838,672, 6-13-89, Cl. 350-537.000.
- Oono, Junji: *See—*
  - Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.
- Oono, Masahiro, to Asahi Kogaku Kogyo Kabushiki Kaisha. Appratus for measuring the profile of an aspherical surface. 4,886,362, 12-12-89, Cl. 356-349.000.
- Oono, Nobuyuki: *See—*
  - Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono, Nobuyuki, 4,819,602, Cl. 123-479.000.
  - Mieno, Toshiyuki; Nakajima, Toyohei; Okada, Yasushi; and Oono, Nobuyuki, 4,873,642, Cl. 364-431.060.
- Oono, Takio: *See—*
  - Okamoto, Tatsuo; Kotani, Hideo; Oono, Takio; Watabe, Kiyoto; Kinoshita, Yasushi; and Nishikawa, Yoshikazu, 4,872,050, Cl. 357-71.000.
- Oono, Toshio, to Aisin Takaoka Limited. Brake apparatus for automotive vehicle. 4,874,064, 10-17-89, Cl. 188-70.00R.
- Oono, Yasukazu, to Kabushiki Kaisha Toshiba. Device capable of displaying window size and position. 4,831,556, 5-16-89, Cl. 364-521.000.
- Oono, Yasuteru: *See—*
  - Furukawa, Yosio; Yasaka, Yasuhiro; Nagura, Osamu; Haraguchi, Eiji; Nakagawa, Hiroto; and Oono, Yasuteru, 4,870,339, Cl. 322-29.000.
  - Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
  - Nakagawa, Hiroto; Oono, Yasuteru; Kato, Tadaatsu; Nagura, Osamu; Niwa, Sadahiko; Furukawa, Yosio; and Kayukawa, Shigehiro, 4,812,730, Cl. 318-732.000.
  - Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.
- Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, to Nippon Kokan Kabushiki Kaisha. Method for operating a blast furnance by blowing pulverized coal. 4,844,737, 7-4-89, Cl. 75-42.000.
- Ooshima, Hiromi; Shimizu, Masao; and Nishiura, Junji, to Advantest Corporation. Semiconductor memory test system. 4,835,774, 5-30-89, Cl. 371-25.000.
- Ooshima, Katsumi: *See—*
  - Hagiwara, Yoshihiko; and Ooshima, Katsumi, 4,800,774, Cl. 74-512.000.
- Ooshima, Shinichi: *See—*
  - Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, 4,800,321, Cl. 313-639.000.
- Oosta, Gary: *See—*
  - Doppelfeld, Peter; Oosta, Gary; Riebel, Alexander; and Schranz, Karl-Wilhelm, 4,808,529, Cl. 435-179.000.
- Oosterbaan, Douglas J.; and Einberger, Jon G., to Prince Corporation. Vehicle armrest. 4,867,500, 9-19-89, Cl. 296-97.100.
- Oosterholt, Ron H. T., to Oce-Nederland B.V. Method of generating and processing models of two-dimensional or three-dimensional objects in a computer and reproducing the models on a display. 4,868,766, 9-19-89, Cl. 364-522.000.
- Oosterhout, Gretchen R.: *See—*
  - Burkman, Jack L.; and Oosterhout, Gretchen R., 4,809,126, Cl. 361-212.000.
- Oosterwal, Dantar P., to General Motors Corporation. Steering wheel hub and upper steering shaft assembly for tilt head steering columns. 4,850,239, 7-25-89, Cl. 74-493.000.
- Oosthuizen, Albertus D.; Buczkowski, Janusz K.; Buczkowska, Teresa; and Buczkowska, Joanne A. Exercise apparatus. 4,842,274, 6-27-89, Cl. 272-129.000.
- Oostvogels, Jozef: *See—*
  - Brand, Uwe; De Decker, Emile; Deuker, Ernst; Fuchs, Hugo; Kartte, Klaus; Neubauer, Gerald; and Oostvogels, Jozef, 4,804,473, Cl. 210-634.000.
  - De Decker, Emile; Oostvogels, Jozef; van Wauwe, Gerard; and Neubauer, Gerald, 4,804,754, Cl. 540-535.000.
- Oota, Shingo, to NEC Corporation. Vector calculation circuit capable of rapidly carrying out vector calculation of three input vectors. 4,852,040, 7-25-89, Cl. 364-768.000.
- Oota, Takashi; and Uchikawa, Tadao, to NEC Corporation. Printing hammer comprising two hinge parts coupling an arm to a base member on both sides of a hinge coupling the arm to a piezoelectric actuator. 4,886,382, 12-12-89, Cl. 400-124.000.
- Ootaka, Kazuto: *See—*
  - Inaba, Shigemitsu; Ootaka, Kazuto; and Maeda, Akira, 4,884,970, Cl. 439-352.000.
- Ootake, Yasuhiro: *See—*
  - Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, 4,795,754, Cl. 514-381.000.
- Ootani, Masaru; Kojima, Masami; and Kitahara, Toshio, to Ajinomoto Co., Inc. Method for purifying tryptophan. 4,820,825, 4-11-89, Cl. 548-496.000.
- Ootani, Takayuki: *See—*
  - Suzuki, Azuma; Ootani, Takayuki; and Isobe, Mitsuo, 4,879,686, Cl. 365-189.110.
- Ootani, Toshio: *See—*
  - Deguchi, Yutaka; Momohara, Hideo; Tsuchida, Yasuyuki; Ootani, Toshio; and Nakanishi, Yuji, 4,832,576, Cl. 417-45.000.
- Ooto, Hideki, to Kabushiki Kaisha Toshiba. Switch distributing apparatus for community reception. 4,802,239, 1-31-89, Cl. 455-277.000.
- Ootoshi, Hirokazu: *See—*
  - Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,885,258, Cl. 437-40.000.
- Ootsubo, Taisuke: *See—*
  - Miyagi, Tokuya; Inoue, Akihisa; Ootsubo, Taisuke; and Fujimori, Shoichi, 4,826,519, Cl. 55-487.000.
- Ootsubo, Tatsuo. Method of fabricating artificial dentures. 4,846,682, 7-11-89, Cl. 433-167.000.
- Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsushita, Shuzo; Hoda, Takeo; and Mukai, Hiromu, to Minolta Camera Kabushiki Kaisha. Exposure control system. 4,862,206, 8-29-89, Cl. 354-414.000.
- Ootsuka, Hiroshi: *See—*
  - Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, 4,812,862, Cl. 354-21.000.
  - Fujino, Akihiko; Ootsuka, Hiroshi; and Izumi, Tatsuro, 4,890,134, Cl. 354-442.000.
  - Hamada, Masataka; Ishida, Tokuji; Ishibashi, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,816,856, Cl. 354-402.000.
  - Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, 4,812,912, Cl. 358-227.000.
  - Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
  - Ishida, Tokuji; Ootsuka, Hiroshi; and Mukai, Hiromu, 4,843,417, Cl. 354-408.000.
  - Ishikawa, Norio; Nakai, Masaaki; Hirano, Masayasu; Fujino, Akihiko; Ootsuka, Hiroshi; Egawa, Takeshi; and Kawamura, Kunio, 4,855,779, Cl. 354-412.000.
  - Ishimura, Toshihiko; Tsuji, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,887,119, Cl. 354-413.000.
  - Kamitani, Masatoshi; Inoue, Manabu; Nakanishi, Motohiro; Ootsuka, Hiroshi; Kudo, Yoshinobu; and Hata, Yoshiaki, 4,806,961, Cl. 354-195.100.
  - Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,800,409, Cl. 354-402.000.
  - Nakamura, Ikushi; Ootsuka, Hiroshi; Fukushima, Akira; Kudo, Yoshinobu; Hata, Yoshiaki; Inoue, Manabu; and Inoue, Norihiro, 4,887,107, Cl. 354-195.120.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; and Ootsuka, Hiroshi, 4,811,044, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
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  - Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, 4,816,862, Cl. 354-412.000.
- Ootsuka, Shigeharu: *See—*
  - Sako, Yuji; Tsutsumi, Kiyohide; and Ootsuka, Shigeharu, 4,808,961, Cl. 337-49.000.
  - Sako, Yuji; and Ootsuka, Shigeharu, 4,845,455, Cl. 337-49.000.
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  - Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hidehiko; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Katsuhiko, 4,816,859, Cl. 354-400.000.
- Oouchi, Akira: *See—*
  - Sakata, Tetshin; Kuzuu, Kazuto; Ito, Hideo; and Oouchi. Akira, 4,819,980, Cl. 296-35.100.
- Oouchi, Tomihisa: *See—*
  - Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
- Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha; and Toyota Central Research and Development Laboratories, Inc. System for vehicle body roll control with overshoot prevention. 4,809,176, 2-28-89, Cl. 364-424.000.
- Oowa, Nobutaka: *See—*
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,797,823, Cl. 364-424.050.
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.
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- Oowatari, Yoshitaka: *See—*
  - Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.
- Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, to Hitachi, Ltd. Lithography apparatus. 4,820,928, 4-11-89, Cl. 250-492.20B.
- Ooyama, Mitsuo: *See—*
  - Saitou, Norio; Okumura, Masahide; Komoda, Tsutomu; and Ooyama, Mitsuo, 4,829,444, Cl. 364-468.000.
- Oozeki, Kazuhiko: *See—*
  - Kanno, Masahide; Yabe, Hisao; Yoshinaga, Jun; Yokoi, Takeshi; and Oozeki, Kazuhiko, 4,869,256, Cl. 128-660.040.
  - Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.
- Op De Beek, Franciscus J.; Rijnsburger, Johan M.; van Nieuwland, Jacob M.; and Kemna, Johannes W., to U.S. Philips Corp. Equalizer with adjustable band filters and a digital filter suitable for use in the equalizer. 4,845,758, 7-4-89, Cl. 381-98.000.
- Opalewski, Daniel J.: *See—*
  - Burror, David N.; Opalewski, Daniel J.; and Seymour, James S., 4,851,985, Cl. 364-184.000.
- Opalia, John P.: *See—*
  - Vidwans, Mohan P.; Potes, Duane; and Opalia, John P., 4,861,107, Cl. 297-408.000.
- O'Patka, Dennis J.: *See—*
  - Yoe, Craig S.; Gibson, Michael R.; O'Patka, Dennis J.; and Kuna, Wayne A., 4,798,455, Cl. 351-51.000.
- Opcon, Inc.: *See—*
  - Juds, Scott M.; and Jackson, Robert J., 4,851,660, Cl. 250-214.00H.
- Opdahl, Barry J.; Hooren, Douglas H.; and Calaby, Lauren F., to GTE Products Corporation. Moving "S" fiber optical switch. 4,859,022, 8-22-89, Cl. 350-96.200.
- Opdenwinkel, Heinz: *See—*
  - Scafer, Hans G.; Cieslik, Wolfgang; Opdenwinkel, Heinz; Vogts, Axel; Poppel, Gunter; and Schurmann, Horst, 4,863,485, Cl. 44-16.00R.
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- Ope, Henry F., and Hope, Stephen F. Lightweight battery construction. 4,861,690, 8-29-89, Cl. 429-233.000.
- Opella, Jerry: *See—*
  - Myers, Marshall J.; Brooks, Lester A.; Opella, Jerry; and Campbell, Clifford, 4,810,519, Cl. 426-618.000.
- Opelt, Christian. Method and arrangement for drop-out compensation during the reproduction of magnetically recorded signals. 4,812,925, 3-14-89, Cl. 360-38.100.
- Opelt, Christian, to U.S. Philips Corporation. Method and arrangement for recording and reproducing a data packet transmitted in a television signal. 4,868,681, 9-19-89, Cl. 358-335.000.
- Openchowski, Richard A.: *See—*
  - Espevik, Craig S.; Openchowski, Richard A.; Caputo, James H.; and Guzay, Casimir M., 4,866,817, Cl. 24-23.00W.
- Operschall, Hermann; and Weber, Robert, to Siemens Aktiengesellschaft. Method and apparatus for the wet dismantling of radioactively contaminated or activated components of nuclear reactor plants. 4,818,472, 4-4-89, Cl. 376-260.000.
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  - Stevens, Albert F.; DeWitt, Robert R.; Lile, William R.; Mitchell, Paul; and Tentarelli, Stephen, 4,863,037, Cl. 209-3.100.
- Opfer, James E.: *See—*
  - Bloomquist, Darrel R.; Natarajan, Bangalore R.; and Opfer, James E., 4,834,855, Cl. 204-192.150.
- Opfer, Ronald E., Jr.: *See—*
  - Bhatnagar, Madhu; and Opfer, Ronald E., Jr., 4,869,730, Cl. 48-196.00R.
- Opgenoorth, Carl H.: *See—*
  - Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.
- Opheij, Willem G., to U.S. Philips Corporation. Optical scanning apparatus. 4,810,073, 3-7-89, Cl. 350-432.000.
- Opheij, Willem G., to U.S. Philips Corporation. Electronically adjustable position-sensitive radiation detector and optical systems using same. 4,810,871, 3-7-89, Cl. 250-201.000.
- Opheij, Willem G.; and Cobben, Louis-Marie H., to U.S. Philips Corporation. Optical scanning apparatus. 4,826,270, 5-2-89, Cl. 350-3.720.
- Opheij, Willem G.; and Braat, Josephus J. M., to U. S. Philips Corporation. Scanning device for an optical recording and/or reproducing apparatus. 4,835,380, 5-30-89, Cl. 250-216.000.
- Opheij, Willem G., to U.S. Philips Corporation Optical record carrier with surface layer extending to the center of a substantially circular information track structure therein. 4,862,447, 8-29-89, Cl. 369-270.000.
- Opheij, Willem G.; Van Rosmalen, Gerard E.; and Van Engelen, Gerard, to U.S. Philips Corporation. Optical scanning unit with tracking error detection. 4,864,118, 9-5-89, Cl. 250-202.000.
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- Opheim, Kent E.: *See—*
  - Stanton, Thomas H.; Clagett, James A.; Schindele, Deborah C.; Renzoni, George E.; Andersen, Niels H.; and Opheim, Kent E., 4,803,170, Cl. 436-518.000.
- Ophir Corporation: *See—*
  - Nelson, Loren D.; and Cerni, Todd A., 4,874,572, Cl. 376-256.000.
- Ophir, Jonathan, to Board of Regents, The University of Texas System. Pulse centroid echo method and apparatus for enhanced sound velocity estimation in vivo. 4,807,635, 2-28-89, Cl. 128-660.010.
- Ophir, Jonathan; and Shattuck, David P., to University of Texas System, The; and University of Houston-University Park, The. Multibeam tracking for angle error correction in speed of sound estimations. 4,878,500, 11-7-89, Cl. 128-660.010.
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  - Lipscomb, N. Thornton; and Buazza, Omar M., 4,879,318, Cl. 522-42.000.
- Ophthalmic Ventures Limited Partnership: *See—*
  - Richards, William D.; Clark, Richard A.; and Meade, John C., 4,821,942, Cl. 227-132.000.
  - Richards, William D., 4,887,601, Cl. 606-219.000.
- OPI Products, Inc.: *See—*
  - Montgomery, Robert E., 4,863,993, Cl. 524-854.000.
- Opie, David H. Manually operated paint striper. 4,877,348, 10-31-89, Cl. 404-93.000.
- Opie, Eric; and Silverstein, Fred E., to Opielab, Inc. Contamination protection system for endoscope control handles. 4,825,850, 5-2-89, Cl. 128-4.000.
- Opie, Eric A.; and Silverstein, Fred E., to Opielab, Inc. Contamination-free endoscope valves for use with a disposable endoscope sheath. 4,852,551, 8-1-89, Cl. 128-4.000.
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  - Opie, Eric; and Silverstein, Fred E., 4,825,850, Cl. 128-4.000.
  - Opie, Eric A.; and Silverstein, Fred E., 4,852,551, Cl. 128-4.000.
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- Opina, Patricia B., to Hughes Aircraft Company. Via filling of green ceramic tape. 4,802,945, 2-7-89, Cl. 156-247.000.
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- Opitz, Norbert; and Lubbers, Dietrich W., to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Sensor for measuring physical parameters of concentration of particles. 4,889,690, 12-26-89, Cl. 422-73.000.
- Oppama Kogyo Kabushiki Kaisha: *See—*
  - Harada, Ryuzo; and Take, Shigeo, 4,829,579, Cl. 381-51.000.
- Oppawsky, Steffen, to Kulzer & Co. GmbH. Treatment chamber for the photopolymerization of dental plastics. 4,839,521, 6-13-89, Cl. 250-453.100.
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  - Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen, 4,799,753, Cl. 350-96.180.
- Oppedal, Tor, to Elopak A/S. Fluid-tight sealed container with lid. 4,819,863, 4-11-89, Cl. 229-125.350.
- Oppelt, Arnulf; Klose, Uwe; Ladebeck, Ralf; and Hentschel, Dietmar, to Siemens Aktiengesellschaft. Apparatus for the identification of nuclear magnetic spectra from spatially selectable regions of an examination subject. 4,801,884, 1-31-89, Cl. 324-309.000.
- Oppelt, Arnulf; Fischer, Hubertus; and Barfuss, Helmut, to Siemens Aktiengesellschaft. Method for operating a nuclear magnetic resonance tomography apparatus. 4,825,159, 4-25-89, Cl. 324-309.000.
- Oppelt, Hans F.: *See—*
  - Ellenrieder, Peter; and Oppelt, Hans F., 4,826,317, Cl. 356-241.000.
- Oppelt, Ralph: *See—*
  - Duerr, Wilhelm; Ingwersen, Hartwig; Krause, Norbert; and Oppelt, Ralph, 4,841,249, Cl. 324-318.000.

- Oppelt, Sylvester: *See—*
  - Eichler, Juergen; Grasser, Franz; and Oppelt, Sylvester, 4,829,986, Cl. 128-24.00A.
  - Grasser, Franz; and Oppelt, Sylvester, 4,819,257, Cl. 378-99.000.
  - Mahler, Matthias; Oppelt, Sylvester; and Rattner, Manfred, 4,794,914, Cl. 128-24.00A.
- Oppenberg, Rolf, to Deutsche Babcock Werke Aktiengesellschaft. Combustion system for burning heavy heating oil with low nox. 4,862,835, 9-5-89, Cl. 122-17.000.
- Oppeneer, Steven J., to Nemschoff Chairs, Inc. Method and apparatus for optimizing the cutting of raw boards into product boards. 4,794,963, 1-3-89, Cl. 144-358.000.
- Oppenheim, Amos: *See—*
  - Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Elisha; and Zeevi, Menachem, 4,831,120, Cl. 530-399.000.
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- Oppenheimer, Alfred; Glass, Michael; and Cherukuri, Subraman R., to Warner-Lambert Company. Chewing gum and confectionery compositions containing a soy flavor enhancer. 4,832,962, 5-23-89, Cl. 426-3.000.
- Oppenheimer, Alfred: *See—*
  - Barcelon, Shirley A.; Oppenheimer, Alfred; and Hussein, Mamoun M., 4,853,247, Cl. 426-613.000.
- Oppenlaender, Knut: *See—*
  - Barthold, Klaus; Oppenlaender, Knut; Lasowski, Juergen; and Baur, Richard, 4,814,394, Cl. 525-405.000.
  - Gousetis, Charalampos; Oppenlaender, Knut; Liebold, Gert; and Frey, Guenter, 4,810,404, Cl. 252-75.000.
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  - Martischius, Franz-Dieter; Oppenlaender, Knut; and Vogel, Hans-Henning, 4,871,375, Cl. 44-71.000.
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- Oppenlander, Theodor, to U.S. Philips Corp. Device for pair-wise coupling the ends of two groups of optical fibers. 4,807,960, 2-28-89, Cl. 350-96.220.
- Opperman, Lawrence F.: *See—*
  - Hunter, Dan A.; Opperman, Lawrence F.; and Gooras, George, 4,811,132, Cl. 360-74.300.
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- Orii, Akira; and Nakamura, Takashi, to Janome Sewing Machine Co., Ltd. Speed control apparatus for electric motor. 4,887,307, 12-12-89, Cl. 388-810.000.
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- Orii, Koichi; Ohshima, Iwao; and Watanabe, Naotake, to Nitto Chemical Industry Co., Ltd.; and Mitsubishi Rayon Co., Ltd. Process for producing unsintered cristobalite silica. 4,853,198, 8-1-89, Cl. 423-335.000.
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  - Saito, Tatsuhiko; Takabatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, 4,828,395, Cl. 366-143.000.
- Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, to Somar Corporation. Display unit for controlling pattern printing. 4,864,418, 9-5-89, Cl. 358-296.000.
- Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, to Somar Corporation. Pallet stocker apparatus for printer. 4,874,282, 10-17-89, Cl. 414-416.000.
- Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, to Nippon Petrochemicals, Co., Ltd. Electrical insulating material and power cable comprising a crosslinked layer thereof. 4,804,729, 2-14-89, Cl. 526-336.000.
- Orikawa, Michihiro; and Ishiyama, Tatsuro, to Bridgestone Corporation. Vibration isolating apparatus. 4,795,140, 1-3-89, Cl. 267-140.100.
- Orikawa, Michihiro; and Noguchi, Takeshi, to Bridgestone Corporation. Liquid-filled vibration isolating devices. 4,838,529, 6-13-89, Cl. 267-140.100.
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  - Noguchi, Takeshi; Orikawa, Michihiro; and Ishiyama, Tatsuro, 4,832,319, Cl. 267-140.100.
- Orime, Nobutake: *See—*
  - Udagawa, Shigeo; Haruyama, Tetsuo; Orime, Nobutake; and Katagi, Takashi, 4,827,270, Cl. 343-853.000.
- Orimo, Hajime; Kakimoto, Norihiro; and Miyao, Kohei, to Asai Germanium Research Institute. Remedy for bone disease. 4,822,817, 4-18-89, Cl. 514-492.000.
- Orimo, Katsumi: *See—*
  - Kawazoe, Hideyo; Koguchi, Makoto; and Orimo, Katsumi, 4,826,520, Cl. 65-3.120.
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- Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, to Hitachi, Ltd. Transmission control system. 4,811,009, 3-7-89, Cl. 340-825.050.
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- Orimo, Masayuki: *See—*
  - Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.
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  - Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taichi; and Manabe, Sugio, 4,844,887, Cl. 422-65.000.
- Orincon Corporation: *See—*
  - Gott, F. Kenneth, Jr.; Rickard, John T.; and Connelly, Stephen F., 4,823,809, Cl. 128-776.000.
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  - Bendixen, Arne B.; Bowen, William A.; Evans, Michael W.; Hurley, John J.; and Leslie, Samuel A., 4,890,315, Cl. 379-59.000.
  - Hadzoglou, James, 4,839,660, Cl. 343-715.000.
- Orion Instruments, Inc.: *See—*
  - Blakeslee, Thomas R., 4,884,020, Cl. 324-83.00D.
- Orion-Yhtyma Oy: *See—*
  - Kinanen, Ilmari; Kanerva, Heikki; and Tammisalo, Erkki, 4,852,134, Cl. 378-38.000.
  - Lindholm, Stig O. E., 4,873,330, Cl. 544-291.000.
- Orisaki, Satoshi: *See—*
  - Idei, Yasumasa; and Orisaki, Satoshi, 4,800,846, Cl. 122-4.00D.
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- Oritani, Atsushi, to Fujitsu Limited. Buffer amplifier circuit. 4,885,479, 12-5-89, Cl. 307-443.000.
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  - Bertagnoli, Leopoldo, 4,799,366, Cl. 66-219.000.
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  - Narkon, Glennwood H.; and Orkin, Stanley S., 4,842,424, Cl. 384-203.000.
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- Orlandini, George. Binder for telephone directories and the like. 4,878,776, 11-7-89, Cl. 402-4.000.
- Orlando, Anthony. Combination beach blanket and wind protector device. 4,860,777, 8-29-89, Cl. 135-87.000.
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- Orlando, James A., to Ford Motor Company. Elevating and traversing hood hinge. 4,839,941, 6-20-89, Cl. 16-361.000.
- Orlando, John J., to Inco Alloys International, Inc. System for discharging ball mills. 4,801,100, 1-31-89, Cl. 241-171.000.
- Orlek, Barry S.; Hadley, Michael S.; Wadsworth, Harry J.; and Rosenberg, Howard E., to Beecham Group p.l.c. Aza-bicyclic compounds. 4,870,081, 9-26-89, Cl. 514-299.000.

- Orlicki, David M.; and Fearnside, William T., to Eastman Kodak Company. Lens position-sensing apparatus for optical recording system. 4,855,982, 8-8-89, Cl. 369-44.000.
- Orloff, Eugene F.; Horowitz, Martin; and Rittner, Charles H., to Gull Inc.; and McDonnell Douglas Corporation. Multiplexed junction probe for fuel gaging system and system containing same. 4,872,120, 10-3-89, Cl. 364-509.000.
- Orlosky, Henry A., to Texceed Corporation. Haptic attachment method and assembly. 4,834,749, 5-30-89, Cl. 623-6.000.
- Orlowski, David C. One piece labyrinth seal. 4,832,350, 5-23-89, Cl. 277-53.000.
- Orlowski, Reiner U.: *See—*
  - Kordts, Jurgen; Orlowski, Reiner U.; Gorlt, Ingobert H.; and Martens, Gerhard, 4,864,648, Cl. 455-608.000.
- Orlowski, Ronald C.; Seyler, Jay K.; Geever, James E.; and Flanigan, Everett, to Rorer Pharmaceutical Corporation. Analogs of [1,7-dialanine, des-19-leucine]calcitonin. 4,820,804, 4-11-89, Cl. 530-307.000.
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- Orlowsky, Michael G.: *See—*
  - Borlinghaus, Hans J.; and Orlowsky, Michael G., 4,832,409, Cl. 297-468.000.
  - Borlinghaus, Hans J.; and Orlowsky, Michael G., 4,881,781, Cl. 297-473.000.
  - Borlinghaus, Hans J.; Orlowsky, Michael G.; Goodbred, Neil G.; Humer, Mladen; and Cooper, Steven J., 4,881,827, Cl. 384-47.000.
- Orman, Gary M.: *See—*
  - Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.
- Orman, Patricia B.: *See—*
  - Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.
- Orman, Thelma M.: *See—*
  - Williams, Ruth L.; and Orman, Thelma M., 4,797,954, Cl. 2-106.000.
- Ormanns, Siegfried; and Schwalb, Hans J., to Selectronic Fund und Sicherheitstechnik GmbH. Personal safety radio device. 4,870,700, 9-26-89, Cl. 455-92.000.
- Ormat Turbines (1965) Ltd.: *See—*
  - Amir, Nadav, 4,815,296, Cl. 60-651.000.
  - Bronicki, Lucien Y.; and Lehman, Gerard, 4,829,196, Cl. 290-54.000.
  - Kaplan, Uri, 4,871,295, Cl. 415-94.000.
  - Yogev, Amnon; and Mahlab, David, 4,876,855, Cl. 60-651.000.
- Ormco Corporation: *See—*
  - Talass, Mohd. F., 4,869,666, Cl. 433-20.000.
- Ormond, Douglas W., Jr.: *See—*
  - Magdo, Ingrid E.; and Ormond, Douglas W., Jr., 4,805,683, Cl. 156-643.000.
- Ormsbee, Herbert S., III: *See—*
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- Ormsby, Mary E.; and Maltman, William R., to Pilkington plc. Manufacture of photochromic articles. 4,889,413, 12-26-89, Cl. 350-354.000.
- Ornberg, John H.; and Guaraldi, Glenn A., to AM International, Inc. Method and apparatus for preventing fluid leakage from a gear case. 4,848,518, 7-18-89, Cl. 184-6.120.
- Orndal, Carl-Henry; Gummesson, Bengt-Ake G.; and Ericson, Bjorn-Inge, to Gambro AB. Detector system for monitoring a fluid containing tube. 4,797,655, 1-10-89, Cl. 340-521.000.
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  - Kolavcic, Pavel; Sobel, Jarl; and Ornholmer, Lars, 4,887,471, Cl. 73-862.690.
  - Sobel, Jarl; and Ornholmer, Lars, 4,823,621, Cl. 73-862.690.
- Oronzio de Nora S.A.: *See—*
  - Bianchi, Giuseppe; Mussinelli, Gian L.; and Bazzoni, Bruno, 4,795,539, Cl. 204-147.000.
- Oros Systems Limited: *See—*
  - Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., 4,802,981, Cl. 210-198.200.
  - Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., 4,861,488, Cl. 210-656.000.
- Oroskar, Anil R.: *See—*
  - Kulprathipanja, Santi; Oroskar, Anil R.; and Priegnitz, James W., 4,851,573, Cl. 562-580.000.
  - Zinnen, Hermann A.; Oroskar, Anil R.; and Chang, Chin-Hsiung, 4,810,266, Cl. 55-68.000.
- Orosz, Miklos J., to Square D Company. Air break contactor. 4,831,347, 5-16-89, Cl. 335-8.000.
- Orosz, Miklos J.; Tringali, Dominick; Monson, Donald B.; and Kuiper, Gerald J., to Square D Company. Controller having interchangeable vacuum or air break contactors and having easily serviced parts. 4,839,477, 6-13-89, Cl. 200-50.0AA.
- Orosz, Miklos J., to Square D Company. Air break contactor. 4,843,194, 6-27-89, Cl. 200-144.00C.
- O'Rourke, Dianne L. Socket mounted pencil sharpener for cosmetic facial pencil. 4,815,507, 3-28-89, Cl. 144-28.500.
- O'Rourke, James P., to W. H. Brady Co. Membrane switch element with coated spacer layer. 4,795,861, 1-3-89, Cl. 200-5.00A.
- O'Rourke, Julia A. Dog diaper. 4,813,949, 3-21-89, Cl. 604-391.000.
- O'Rourke, Ronald L.: *See—*
  - Sung, Rodney L.; Zoleski, Benjamin H.; and O'Rourke, Ronald L., 4,808,335, Cl. 252-47.500.
  - Sung, Rodney L.; Zoleski, Benjamin H.; and O'Rourke, Ronald L., 4,834,897, Cl. 252-51.50A.
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  - Ingalls, William E., 4,795,187, Cl. 280-661.000.
  - Ingalls, William E., 4,836,574, Cl. 280-661.000.
- Orphall, Axel W. Hammer assembly for a rotary material crusher. 4,826,090, 5-2-89, Cl. 241-191.000.
- Orquera, Henri; and Jennequin, Gerard, to Constructions Navales et Industrielles de la Mediterranee. Suspension system for cylindrical elements in containers. 4,878,416, 11-7-89, Cl. 89-1.810.
- Orr, Alfred T., to Ancile Inc. VDT screen. 4,864,190, 9-5-89, Cl. 313-478.000.
- Orr, Avigdor; Spingler, John O.; and Gilbert, Seymour G., to DNA Plant Technology Corporation. Prolonging the shelf life of fresh root vegetables. 4,855,153, 8-8-89, Cl. 426-270.000.
- Orr, Avigdor: *See—*
  - Spingler, John O.; Orr, Avigdor; and Gilbert, Seymour G., 4,808,420, Cl. 426-106.000.
- Orr, Bruce B.: *See—*
  - Daily, Jeffrey N.; Orr, Bruce B.; and Martinez, Guillermo J., 4,848,927, Cl. 374-208.000.
- Orr, Charles D.: *See—*
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- Orr, Clyde, Jr.; and Camp, Ronnie, to Micromeritics Instrument Corp. Automatic sample feeder for suspended samples. 4,872,353, 10-10-89, Cl. 73-864.850.
- Orr, Harry T.; and Koller, Beverly H., to University of Minnesota, Regents of the. Characterization of HLA alleles with locus-specific DNA probes. 4,835,098, 5-30-89, Cl. 435-6.000.
- Orr, James E., to Recreational Accessories Corporation. Bicycle transmission having infinitely variable drive ratio. 4,842,569, 6-27-89, Cl. 474-83.000.
- Orr, James S.: *See—*
  - Waddell, Ewan M.; Orr, James S.; and Monachan, Brian C., 4,859,536, Cl. 428-408.000.
- Orr, James W. Anti-flood toilet tank fill valve. 4,843,657, 7-4-89, Cl. 4-405.000.
- Orr, Lawrence W., Jr.; and Motte, Ray T., to Woven Electronics Corporation. Woven electrical transmission cable for rapid aircraft repair and method. 4,804,806, 2-14-89, Cl. 174-117.00M.
- Orr, Lawrence W., Jr. Hinge-line multilayer cable and method. 4,808,771, 2-28-89, Cl. 174-72.00R
- Orr, Michael A.; and Williams, Crawford E., to International Business Machines Corp. Architecture for a distributive microprocessing system. 4,862,350, 8-29-89, Cl. 364-200.000.
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- Orr, Paul I. Recreational vehicle leveling device. 4,877,211, 10-31-89, Cl. 248-352.000.
- Orr, Thomas; and Carruthers, Malcolm E., to Pulse Time Products Limited. Device for displaying blood pressure. 4,869,262, 9-26-89, Cl. 128-672.000.
- Orr, Thomas V.; and Meyer, Gerard B., to Procter & Gamble Company, The. Antiperspirant creams. 4,840,789, 6-20-89, Cl. 424-66.000.
- Orr, Thomas V., to Procter & Gamble Company, The. Antiperspirant creams containing volatile silicones. 4,853,214, 8-1-89, Cl. 424-69.000.
- Orrell, Elisabeth D.: *See—*
  - Mullin, John B.; Hamilton, John C.; Orrell, Elisabeth D.; Jacobs, Philip R.; and Shenai-Khatkhate, Deodatta V., 4,812,586, Cl. 556-129.000.
- Orrell, William B.; and Creps, Wendell D., to General Motors Corporation. Fuel injection temperature compensation system. 4,886,027, 12-12-89, Cl. 123-478.000.
- Orru, Vittoria: *See—*
  - Di Schiena, Michele G.; and Orru, Vittoria, 4,840,964, Cl. 514-448.000.
- Orrville Products, Inc.: *See—*
  - Craver, Richard D., 4,817,585, Cl. 126-200.000.
  - Craver, Richard D., 4,854,298, Cl. 126-77.000.
- ORS Development Corporation: *See—*
  - Bridges, Jack E.; and Young, Vincent, 4,821,798, Cl. 166-60.000.
- Ors, Jose A.; and Small, Richard D., Jr., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Multilayer circuit board fabrication process. 4,795,693, 1-3-89, Cl. 430-312.000.
- Orsatti, Louis A., to Adams, U.S.A., Inc. Saftey base. 4,881,735, 11-21-89, Cl. 273-25.000.
- Orsburn, Michael L.; Hemsky, Robert L.; Tucker, Terry L.; Schwarz, Robert E.; and Fearing, Craig F., to Utah Scientific Advanced Development Center, Inc. Phase responsive composite video signal control system. 4,876,589, 10-24-89, Cl. 358-22.000.
- Orscheln Co.: *See—*
  - Boyer, Billy G.; Nelson, Lloyd M.; Soucie, Wayne L.; and Hayes, William K., 4,872,533, Cl. 188-2.00D.
  - Chacko, Tharayil; Soucie, Wayne; Tauer, Elroy J.; and Heimann, Robert, 4,870,814, Cl. 57-217.000.
  - Hass, Tave; Ancell, Stephen W.; and Porter, Curtis H., 4,850,242, Cl. 74-512.000.
  - Porter, Curtis H.; Tayon, Jeffrey E.; and Champ, Larry B., 4,841,798, Cl. 74-501.50R.
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Ortec Incorporated: *See—*
  Britton, Charles L., Jr.; Becker, Thomas H.; and Bedwell, Michael O., 4,866,400, Cl. 330-305.000.
  Martin, Gregory N.; and Burke, Michael R., 4,851,684, Cl. 250-352.000.

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  Orchard, Kenneth L., 4,842,190, Cl. 236-11.000.

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  Kwong, Sze-Keung; Lau, Kam Y.; Bar-Chaim, Nadav; and Ury, Israel, 4,843,611, Cl. 372-46.000.
  Ungar, Jeffrey E., 4,856,017, Cl. 372-96.000.
  Ury, Israel, 4,802,178, Cl. 372-36.000.
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Orth, Charles D.: *See—*
  Barthel, Richard C.; Malone, Peter J.; Orth, Charles D.; and Jarosch, George W., 4,848,100, Cl. 62-212.000.

Orth, Charles M.: *See—*
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  Boke, Karl-Heinz; Orth, Heinz-Dietmar; and Schulz, Hans-Heinrich, 4,846,517, Cl. 294-65.000.

Orth, Kelly M.; Quist, Steven M.; Frick, Roger L.; and Paschke, Randy K., to Rosemount Inc. Transmitter with internal serial bus. 4,818,994, 4-4-89, Cl. 340-870.210.

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  Schulte, John P.; Orth, Kelly M.; Frick, Roger L.; Westfield, Brian L.; and Paschke, Randy K., 4,878,012, Cl. 324-60.0CD.

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  Eichenauer, Herbert; Lindner, Christian; Ott, Karl-Heinz; Orth, Peter; and Hocker, Hartwig, 4,826,946, Cl. 528-14.000.

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  Booth, Rodney I.; Edwards, David W.; Wrigley, Colin W.; and Orth, Robert A., 4,879,897, Cl. 73-59.000.

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  Wegner, Gerhard; and Orthmann, Ernst, 4,886,685, Cl. 427-430.100.

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  Marx, Herbert W.; and Marx, Norbert, 4,842,608, Cl. 623-33.000.

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  Audhya, Tapan; Kroon, Daniel J.; Heavner, George; and Goldstein, Gideon, 4,866,121, Cl. 525-54.100.
  Bandurco, Victor T.; Mallory, Robert A.; and Press, Jeffery B., 4,804,756, Cl. 544-284.000.
  Conley, Richard A.; and Barton, Donald L., 4,883,787, Cl. 564-414.000.
  Demers, James P.; Murray, William V.; and Sulsky, Richard B., 4,820,828, Cl. 549-362.000.
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  Falotico, Robert; Kanojia, Ramesh M.; Press, Jeffery B.; and Tobia, Alfonso J., 4,822,800, Cl. 514-309.000.
  Hajos, Zoltan G.; Kanojia, Ramesh M.; and Press, Jeffery B., 4,876,257, Cl. 514-253.000.
  Hinkle, Jeffery S.; and Lever, O. William, Jr., 4,843,077, Cl. 514-253.000.
  Kanojia, Ramesh M.; Lever, O. William, Jr.; and Press, Jeffery B., 4,880,817, Cl. 514-309.000.
  Kirchanski, Stefan J.; and Wardwell, Kathleen, 4,882,284, Cl. 436-63.000.
  Kligman, Albert M.; Mezick, James A.; and Capetola, Robert J., 4,889,847, Cl. 514-171.000.
  Kung, Patrick C.; and Goldstein, Gideon, 4,798,806, Cl. 436-548.000.
  Kung, Patrick C.; and Goldstein, Gideon, 4,803,262, Cl. 530-387.000.
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  Murray, William V.; and Wachter, Michael P., 4,814,487, Cl. 560-53.000.
  Press, Jeffery B.; and Russell, Ronald K., 4,835,157, Cl. 514-258.000.
  Press, Jeffery B.; and Sanfilippo, Pauline, 4,861,897, Cl. 548-217.000.
  Press, Jeffery B., 4,871,745, Cl. 514-300.000.
  Press, Jeffery B.; and Urbanski, Maud, 4,880,824, Cl. 514-368.000.
  Press, Jeffery B.; and Hajos, Zoltan, 4,885,300, Cl. 514-258.000.
  Press, Jeffrey B., 4,833,149, Cl. 514-300.000.
  Russell, Ronald K., 4,874,771, Cl. 514-331.000.
  Schwender, Charles F.; and Dodd, John H., 4,845,225, Cl. 546-114.000.
  Schwender, Charles F.; and Dodd, John H., 4,879,384, Cl. 546-114.000.
  Wachter, Michael P.; and Ferro, Michael P., 4,826,868, Cl. 514-407.000.
  Wachter, Michael P.; and Karanewsky, Donald S., 4,855,426, Cl. 544-101.000.

Orthodyne Electronics Corporation: *See—*
  Smith, Hal W., Jr., 4,824,005, Cl. 228-1.100.

Orthoefer, Frank T.: *See—*
  Augustine, Michael E.; and Orthoefer, Frank T., 4,859,477, Cl. 426-103.000.

Orthofix S.r.l.: *See—*
  De Bastiani, Giovanni; Faccioli, Giovanni; Aldegheri, Roberto; and Renzi Brivio, Lodovico, 4,828,277, Cl. 279-1.0SG.

Orthokinetics, Inc.: *See—*
  Krauska, Bernard J., 4,852,939, Cl. 297-71.000.

Orthomet, Inc.: *See—*
  Johnson, Wesley, 4,851,008, Cl. 623-16.000.

Orthopedic Design: *See—*
  Schmid, Rainer K., 4,858,338, Cl. 36-44.000.

Orthoplant Endoprothetik GmbH: *See—*
  Schelhas, Klaus-Dieter, 4,822,370, Cl. 623-23.000.
  Schelhas, Klaus-Dieter, 4,856,503, Cl. 128-92.0VJ.

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Ortiz, Angel L., Jr., to General Electric Company. High power optical fiber failure detection system. 4,812,641, 3-14-89, Cl. 250-205.000.

Ortiz, Angel L., Jr.: *See—*
  Chande, Tushar S.; and Ortiz, Angel L., Jr., 4,817,020, Cl. 364-557.000.
  Chande, Tushar S.; Jones, Marshall G.; Ortiz, Angel L., Jr.; and August, John L., Jr., 4,838,631, Cl. 350-6.600.
  Chande, Tushar S.; and Ortiz, Angel L., Jr., 4,868,361, Cl. 219-121.620.
  Jones, Marshall G.; Ortiz, Angel L., Jr.; Chande, Tushar S.; and August, John L., Jr., 4,840,450, Cl. 350-96.200.

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  Gannaway, Edwin L.; and Ortiz, Arturo L., 4,889,475, Cl. 417-350.000.

Ortiz, Jose A.: *See—*
  Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; Castello, Josep M.; and Ortiz, Jose A., 4,843,165, Cl. 548-341.000.
  Foguet, Rafael; Forne, Ernesto; Sacristan, Aurelio; and Ortiz, Jose A., 4,859,675, Cl. 514-255.000.
  Foguet, Rafael; Ortiz, Jose A.; Gubert, Santiago; Raga, Manuel M.; and Sacristan, Aurelio, 4,883,797, Cl. 514-255.000.

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  Cook, Terry D.; and Ortman, Ross, 4,825,147, Cl. 324-60.00C.

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  Rugaber, David A.; Ortmann, Michael E.; and Thomas, Alan E., 4,832,181, Cl. 198-502.300.

Ortmann, Werner: *See—*
  Kuker, Wolfgang; Braemert, Peter; and Ortmann, Werner, 4,802,417, Cl. 105-8.100.

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  Pfalzer, Lothar; and Ortner, Gerhard, 4,816,117, Cl. 162-4.000.

Ortofon Manufacturing A/S: *See—*
  Larsen, Jan; Gudmandsen, Robert; and Winfeld, Per, 4,884,262, Cl. 369-136.000.

Ortolani, Carlo: *See—*
  Pestellini, Vittorio; Ghelardoni, Mario; Giannotti, Danilo; Giolitti, Alessandro; Barzanti, Adriano; Ciappi, Rossella; and Ortolani, Carlo, 4,800,208, Cl. 514-397.000.

Orton, Cornell C. Device for lifting a dutch oven or its lid. 4,832,389, 5-23-89, Cl. 294-13.000.

Ortueta Corona, Luis F. Optical apparatus with a slide lighting system for detecting a woman's fertile period during her menstrual cycle. 4,815,835, 3-28-89, Cl. 350-507.000.

Ortwein, Ernst-Georg. Piping connector. 4,830,044, 5-16-89, Cl. 137-382.000.

Oruh, Samuel N.: *See—*
  Ford, Lionel H.; Oruh, Samuel N.; Singh, Jaswant; and Coldwell, Geoffrey S., 4,817,428, Cl. 73-434.000.

Orui, Ryuzo; Itagaki, Yasuhiro; and Yamaguchi, Toshio, to NEC Corporation. Crossed double helix slow-wave circuit for use in linear-beam microwave tube. 4,855,644, 8-8-89, Cl. 315-3.600.

Orvek, Kevin J., to Texas Instruments Incorporated. Low temperature deep ultraviolet resist hardening process using zenon chloride laser. 4,826,756, 5-2-89, Cl. 430-328.000.

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  Harder, John R., 4,883,238, Cl. 242-317.000.

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  Matheny, Stephen E.; and Orwig, Gary W., 4,884,068, Cl. 340-707.000.

Orwig, Raymond L.: *See—*
  Lane, Larry G.; and Orwig, Raymond L., 4,846,053, Cl. 99-339.000.

Ory, Philippe, to Bendix Electronics S.A. Process and device for measuring the level of the free surface of a liquid. 4,825,383, 4-25-89, Cl. 364-509.000.

Ory, Raymond J.; and Smeltzer, Paul. Tray and tool holder adaptable to stepladders. 4,874,147, 10-17-89, Cl. 248-210.000.

O'Ryan Industries: *See—*
  Effinger, Mark A., 4,887,197, Cl. 362-306.000.

Orzi, Fabrizio: *See—*
  Longo, Antonio; Orzi, Fabrizio; Lombardi, Paolo; and Colombo, Maristella, 4,865,766, Cl. 260-397.300.

OSA AB: *See—*
  Forslund, Erik T., 4,834,156, Cl. 144-242.00D.
  Herolf, Olof, 4,838,328, Cl. 144-336.000.
  Herolf, Olof, 4,881,865, Cl. 414-550.000.
  Svedaker, Olle, 4,828,125, Cl. 212-256.000.

Osa, Kazuhiko: *See—*
  Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.

Osabe, Akio: *See—*
  Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.

Osabe, Hirokazu: *See—*
  Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiroshi; Morishima, Yasuo; and Osabe, Hirokazu, 4,844,732, Cl. 71-94.000.
  Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; and Osabe, Hirokazu, 4,886,546, Cl. 71-88.000.

Osabe, Kuniji: *See—*
  Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
  Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Osabe, Kuniji, 4,798,694, Cl. 264-60.000.

O'Saben, Stephen V. Wind deflector. 4,844,529, 7-4-89, Cl. 296-91.000.

Osada, Akira: *See—*
  Suzuki, Fujiyuki; and Osada, Akira, 4,872,117, Cl. 364-431.050.

Osada, Atushi: *See—*
  Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.

Osada, Hiroshi, to Nifco, Inc. Muffler. 4,884,657, 12-5-89, Cl. 181-258.000.

Osada, Hisashi; Fujioka, Hideaki; Kato, Ikuo; and Yamashita, Yoshinari, to TDK Corporation. Complex circuit component for a video signal circuit in a television receiver set. 4,807,036, 2-21-89, Cl. 358-196.000.

Osada, Masahiro; Tanuma, Toshihiko; Yoshida, Takashi; and Kobiyama, Hiroshi, to Sawafuji Electric Co., Ltd. Brushless generator. 4,851,758, 7-25-89, Cl. 322-63.000.

Osada, Masaru: *See—*
  Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,855,816, Cl. 358-47.000.
  Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,857,995, Cl. 358-47.000.

Osada, Michio. Lead frame for enclosing semiconductor chips with resin. 4,862,586, 9-5-89, Cl. 29-827.000.

Osada, Mototsugu: *See—*
  Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, 4,840,296, Cl. 222-600.000.

Osada, Osamu: *See—*
  Morita, Hiroshi; and Osada, Osamu, 4,820,584, Cl. 428-336.000.

Osada, Sanjyuro: *See—*
  Fujii, Isao; Osada, Sanjyuro; Okamoto, Masato; and Yamamoto, Kouichi, 4,845,919, Cl. 53-380.000.

Osada, Shiro: *See—*
  Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; and Hasebe, Nobuhisa, 4,807,692, Cl. 164-430.000.
  Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.

Osada, Shuichi; Hayashi, Satoru; Goto, Masaru; and Godo, Kiyoshi, to Tsubakimoto Chain Co. Vehicle control system having two trackside signal lines. 4,854,529, 8-8-89, Cl. 246-187.00B.

Osada, Soichi: *See—*
  Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, 4,852,572, Cl. 128-640.000.

Osada, Toshihiko: *See—*
  Murakami, Shoji; Koide, Kiichiro; Inoue, Kyoichi; Hiranuma, Satoshi; and Osada, Toshihiko, 4,831,466, Cl. 360-67.000.

Osada, Toshio; and Tanabe, Masaaki, to Man Design Co., Ltd. Electromagnetic pump. 4,886,429, 12-12-89, Cl. 417-413.000.

Osada, Toshio: *See—*
  Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.

Osada, Yasuhito: *See—*
  Manabe, Takahiro; Nozu, Mikio; Osada, Yasuhito; and Nomura, Hiroyuki, 4,858,071, Cl. 361-386.000.

Osada, Yoshiyuki: *See—*
  Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.
  Gofuku, Ihachiro; Osada, Yoshiyuki; and Nakagawa, Katsumi, 4,886,962, Cl. 250-211.00J.
  Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
  Inoue, Hiroshi; Osada, Yoshiyuki; and Inaba, Yutaka, 4,830,467, Cl. 350-333.000.
  Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.
  Ishihara, Shunichi; Osada, Yoshiyuki; Oda, Shunri; and Shimizu, Isamu, 4,849,249, Cl. 427-38.000.
  Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.
  Nakagawa, Katsumi; Komatsu, Toshiyuki; Hirai, Yutaka; Omata, Satoshi; Osada, Yoshiyuki; and Nakagiri, Takashi, 4,814,842, Cl. 357-23.700.

Osafune, Koji: *See—*
  Fujioka, Toshiyuki; Kusunoki, Masahiro; and Osafune, Koji, 4,803,571, Cl. 360-63.000.
  Suzuki, Hiroshi; and Osafune, Koji, 4,811,126, Cl. 360-51.000.

Osajima, Katsuhiro: *See—*
  Osajima, Kazuharu; and Osajima, Katsuhiro, 4,853,231, Cl. 426-7.000.

Osajima, Kazuharu; and Osajima, Katsuhiro. Method for preparation of tastable matters consisting primarily of low molecular weight peptides. 4,853,231, 8-1-89, Cl. 426-7.000.

Osaka, Akiyoshi: *See—*
  Takahashi, Katsuaki; Miura, Yoshinari; Osaka, Akiyoshi; and Asada, Masayuki, 4,829,026, Cl. 501-10.000.

Osaka Bobbin Kabushiki Kaisha: *See—*
  Ono, Nobutaka, 4,796,320, Cl. 8-155.200.

Osaka Bousui Constructions Co., Ltd.: *See—*
  Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.

Osaka Diamond Industrial Co., Ltd.: *See—*
  Kawase, Tsunezo; Koroku, Shuichiro; and Okada, Kunio, 4,856,490, Cl. 125-21.000.

Osaka Gas Co., Ltd.: *See—*
  Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.
  Krishnan, Gopala; Gusman, Michael; Johnson, Sylvia M.; Rowcliffe, David J.; and Nakano, Hajime, 4,886,652, Cl. 423-439.000.
  Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
  Kurumatani, Harumichi; Nakao, Takashi; Nakano, Kazunori; and Kojima, Akira, 4,869,928, Cl. 427-206.000.
  Morita, Hiroaki; Haraguchi, Kazutoshi; and Tanigawa, Eiji, 4,859,381, Cl. 264-29.200.
  Okabayashi, Makoto, 4,854,176, Cl. 73-861.190.
  Okuno, Masaharu; Ishibashi, Toshihiro; Naitou, Satoshi; and Sasaki, Tatsuyoshi, 4,836,183, Cl. 126-110.00R.
  Uetsuhara, Tokio; Iio, Kenji; and Andoh, Yuichi, 4,845,451, Cl. 335-257.000.

Osaka, Keiji; Yanagi, Toru; and Asano, Yasuo, to Sumitomo Electric Industries, Ltd. Apparatus for arranging a plurality of coated optical fibers and collective fusion splicing method using the apparatus. 4,812,010, 3-14-89, Cl. 350-96.220.

Osaka Municipal Government: *See—*
  Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.

Osaka, Norihisa, to Tokyo Electric Co., Ltd. Bar code scanner for a video signal which has a shading waveform. 4,801,788, 1-31-89, Cl. 235-462.000.

Osaka Prefecture: *See—*
  Ogawa, Soichi; Okamoto, Akio; Fukui, Shigeo; and Ueno, Tsutomu, 4,869,835, Cl. 250-423.00R.
  Ogawa, Souichi; Sugioka, Takao; and Inoue, Masaru, 4,828,931, Cl. 428-596.000.

Osaka Sanso Kogyo Ltd.: *See—*
  Sasabe, Minoru; Hamada, Nobuo; and Nagatsuka, Toshio, 4,830,727, Cl. 264-412.000.

- Osaka, Shuichi: *See—*
  - Imanaka, Asaji; Fujiwara, Tatsuo; and Osaka, Shuichi, 4,885,693, Cl. 364-426.020.
- Osaka Soda Co., Ltd.: *See—*
  - Kasai, Naoya; Shima, Hisaharu; and Tsujimura, Kazuya, 4,840,907, Cl. 435-253.300.
  - Toda, Fumio; Tanaka, Koichi; and Nakata, Tetsuya, 4,841.081, Cl. 549-541.000.
  - Watanabe, Junichi; Misumi, Kozo; Miyaguchi, Masanobu; Kadomatsu, Seiji; and Nakazawa, Sei, 4,822,838, Cl. 524-178.000.
- Osaka, Susumu: *See—*
  - Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,[illegible]74, Cl. 160-168.100.
- Osaka, Syuichi: *See—*
  - Mori, Ryuichiro; Osaka, Syuichi; and Banjo, Toshinobu, 4,878,610, Cl. 228-6.200.
- Osaka Taiyu Co., Ltd.: *See—*
  - Tabayashi, Toshikazu, 4,856,959, Cl. 414-451.000.
- Osaka University, President of: *See—*
  - Matsushita, Ken-ichi; Okamoto, Taira; Shimada, Masahiko; and Takeuchi, Hisao, 4,794,798, Cl. 73-789.000.
  - Murahashi, Shunichi; and Naota, Takeshi, 4,801,748, Cl. 564-126.000.
- Osaka Yuki Kagakuo Kogyo Kabushiki Kaisha: *See—*
  - Kato, Chuzo; and Kuroda, Kazuyuki, 4,875,762, Cl. 350-357.000.
- Osaki, Haruyoshi: *See—*
  - Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.
- Osaki, Katsumichi:: *See—*
  - Motai, Hiroshi, Fukushima, Yaichi; Osaki, Katsumichi; Okamura, Katutoshi; and Imai, Kazutaka, 4,797,358, Cl. 435-176.000.
- Osaki, Kouichi, to Ichikoh Engineering, Ltd. Pneumatically movable device with a safety lock means. 4,802,401, 2-7-89, Cl. 91-44.000.
- Osaki, Masanobu: *See—*
  - Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.
- Osaki, Norio: *See—*
  - Takao, Hisashi; Osaki, Norio; and Yasudomi, Norio, 4,840,957, Cl. 514-326.000.
- Osaki, Shigeyoshi; Sakai, Kiyokazu; and Uranishi, Kimiyoshi, to Kanzaki Paper Manufacturing Co., Ltd. Method for measuring complex dielectric constant or complex magnetic constant of materials in three-dimensional directions. 4,801,862, 1-31-89, Cl. 324-585.00C.
- Osaki, Shigeyoshi; Sakai, Kiyokazu; and Fujii, Yoshihiko, to Kanzaki Paper Manufacturing Co., Ltd. System and method for determining anisotropy of light-transmitting sheet specimen. 4,849,623, 7-18-89, Cl. 250-225.000.
- Osaki, Shunzaburo; and Akiyama, Eitetsu, to Honda Giken Kogyo Kabushiki Kaisha. Fuel supply control system for internal combustion engines. 4,844,039, 7-4-89, Cl. 123-491.000.
- Osaki. Tatsuo, to Yoshida Kogyo K. K. Method of and apparatus for attaching top stops to slide fastener chain. 4,839,956, 6-20-89, Cl. 29-408.000.
- Osaki, Tatsuo, to Yoshida Kogyo K. K. Chain feeder for slide fastener finishing machines. 4,865,242, 9-12-89, Cl. 226-181.000.
- Osame, Juichiro: *See—*
  - Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, 4,849,358, Cl. 435-252.000.
- Osame, Yasuhiro: *See—*
  - Sato, Shoichi; Osame, Yasuhiro; and Tazaki, Seiji, 4,888,067, Cl. 148-26.000.
- Osamu, Komazawa: *See—*
  - Aoki, Kohji; Yasuda, Tomio; Masanori, Sugiyama; and Osamu, Komazawa, 4,885,566, Cl. 340-457.100.
- Osamu, Matsuda: *See—*
  - Yoshikatsu, Okabayashi; and Osamu, Matsuda, 4,808,463, Cl. 428-215.000.
- Osanai, Eiji, to Canon Kabushiki Kaisha. Recording and reproducing apparatus using flexible disc. 4,814,922, 3-21-89, Cl. 360-130.300.
- Osanai, Hiroyuki: *See—*
  - Akao, Mutsuo; Osanai, Hiroyuki; and Inoue, Koji, 4,876,125, Cl. 428-35.200.
- Osanai, Masaru: *See—*
  - Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; Osanai, Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, 4,868,420, Cl. 307-441.000.
- Osanai, Mitsuaki: *See—*
  - Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.
- Osanai, Yasuhiko: *See—*
  - Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko, 4,878,444, Cl. 112-264.100.
- Osano, Hisashi, to Fuji Jukogyo Kabushiki Kaisha. Control system for an actuator of an automotive engine. 4,844,042, 7-4-89, Cl. 123-492.000.
- Osano, Koichi: *See—*
  - Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, 4,836,865, Cl. 148-306.000.
- Osato, Yasukuni: *See—*
  - Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.
- Osato, Yoichi; Saito, Ichiro; and Takasu, Yoshio, to Canon Kabushiki Kaisha. Optical recording medium and method for producing the same. 4,816,840, 3-28-89, Cl. 346-1.100.
- Osato, Yoichi: *See—*
  - Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.
- Osawa, Atsuo: *See—*
  - Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, 4,862,300, Cl. 360-85.000.
- Osawa, Eiichi: *See—*
  - Hiraiwa, Hisaki; and Osawa, Eiichi, 4,802,174, Cl. 371-46.000.
- Osawa, Hide, to Ajinomoto General Foods, Inc. Method of stabilizing coffee extract solution. 4,798,732, 1-17-89, Cl. 426-542.000.
- Osawa, Hide, to Ajinomoto General Foods, Inc. Method of stably fixing aromatic coffee substance. 4,820,543, 4-11-89, Cl. 426-650.000.
- Osawa, Hiroshi: *See—*
  - Handa, Yuichi; Okuda, Masahiro; and Osawa, Hiroshi, 4,887,255, Cl. 369-112.000.
- Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Nakamura, Mitsutoshi; and Doi, Isao, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising charge generating layer and charge transporting layer and process for preparing same. 4,851,313, 7-25-89, Cl. 430-58.000.
- Osawa, Izumi, to Minolta Camera Kabushiki Kaisha. Photosensitive member having amorphous silicon-germanium layer and process for producing same. 4,863,820, 9-5-89, Cl. 430-58.000.
- Osawa, Izumi; Iino, Syuji; Hotomi, Hideo; Masaki, Kenji; and Doi, Isao, to Minolta Camera Kabushiki Kaisha. Photosensitive member having an overcoat layer comprising amorphous carbon. 4,882,256, 11-21-89, Cl. 430-66.000.
- Osawa, Izumi: *See—*
  - Hotomi, Hideo; Osawa, Izumi; Iino, Syuji; Doi, Isao; and Fujiwara, Masanori, 4,876,168, Cl. 430-58.000.
  - Iino, Shuji; Hotomi, Hideo; Fujiwara, Masanori; Doi, Isao; and Osawa, Izumi, 4,801,515, Cl. 430-66.000.
  - Iino, Shuji; Hotomi, Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,810,606, Cl. 430-58.000.
  - Iino, Shuji; Hotomi Hideo; Doi, Isao; Nakamura, Mitsutoshi; and Osawa, Izumi, 4,863,821, Cl. 430-58.000.
  - Iino, Syuji; Hotomi, Hideo, Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, 4,797,338, Cl. 430-58.000.
  - Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, 4,868,076, Cl. 430-58.000.
  - Iino, Syuji; Osawa, Izumi; and Hotomi, Hideo, 4,871,632, Cl. 430-58.000.
  - Masaki, Kenji; Osawa, Izumi; Fujiwara, Masanori; Doi, Isao; and Takedomi, Yumiko, 4,886,724, Cl. 430-66.000.
  - Natsuhara, Toshiya, and Osawa, Izumi, 4,836,136, Cl. 118-657.000.
  - Taniguchi, Ichiro; Hotomi, Hideo; and Osawa, Izumi, 4,842,989, Cl. 430-296.000.
- Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, to Sony Corporation. Laminated printed coil structure. 4,804,574, 2-14-89, Cl. 428-209.000.
- Osawa, Masami: *See—*
  - Izaki, Teruaki; Yoshida, Makoto; Osawa, Masami; Higuchi, Seijun; and Maruta, Akinori, 4,800,134, Cl. 428-626.000.
- Osawa, Masanori: *See—*
  - Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shizuka, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, 4,795,795, Cl. 528-53.000.
- Osawa, Masao; Tsukasa, Fumihiro; Tomiyama, Sadayoshi; and Tanaka, Noboru, to Anritsu Corporation. Combination weighing apparatus. 4,846,291, 7-11-89, Cl. 177-25.180.
- Osawa, Michitaka: *See—*
  - Onozawa, Makoto; Kito, Koji; and Osawa, Michitaka, 4,823,052, Cl. 315-408.000.
  - Sakurai, Soichi; Osawa, Michitaka; and Oguro, Hiroki, 4,833,370, Cl. 315-368.000.
  - Sano, Yuji; Osawa, Michitaka; and Kawai, Masahide, 4,820,997, Cl. 330-252.000.
- Osawa, Nebuhiko: *See—*
  - Takamura, Yoshinobu; Katsumura, Norimichi; Osawa, Nebuhiko; and Watanabe, Kazuo, 4,882,546, Cl. 329-310.000.
- Osawa, Nobuyuki, to Nippon Seiko Kabushiki Kaisha. Linear guide apparatus. 4,828,402, 5-9-89, Cl. 384-15.000.
- Osawa, Nobuyuki, to Nippon Seiko Kabushiki Kaisha. Linear guide apparatus. 4,850,720, 7-25-89, Cl. 384-13.000.
- Osawa, Nobuyuki, to Nippon Seiko Kabushiki Kaisha. Linear guide apparatus. 4,886,374, 12-12-89, Cl. 384-13.000.
- Osawa, Nobuyuki, to Nippon Seiko Kabushiki Kaisha. Dust-proof seal for linear guide apparatus. 4,886,376, 12-12-89, Cl. 384-15.000.
- Osawa, Nobuyuki: *See—*
  - Matsuoka, Masaki; Osawa, Nobuyuki; and Kasuga, Shinichi, 4,810,104, Cl. 384-45.000.
- Osawa, Satoshi: *See—*
  - Kakimoto, Toshihiko; and Osawa, Satoshi. 4,809,960, Cl. 267-141.000.
- Osawa, Shigenobu; Kawaguchi, Taiichi; Tamura, Makoto; and Shinohara, Hideyuki, to Kabushiki Kaisha Toshiba. Charged latent image developing apparatus. 4,804,995, 2-14-89, Cl. 355-3.0DD.
- Osawa, Shigenobu; and Itaya, Keiji, to Kabushiki Kaisha Toshiba. Electronic copying apparatus having function of partially changing image reproduced from original image. 4,857,958, 8-15-89, Cl. 355-218.000.

- Osawa, Tadao: *See—*
  - Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, 4,887,577, Cl. 123-494.000.
- Osawa, Tatsuo: *See—*
  - Fukai, Yoshio; Takagi, Hitoshi; and Osawa, Tatsuo, 4,799,640, Cl. 248-559.000.
- Osawa, Tsutomu: *See—*
  - Takehara, Isamu; Yamamura, Akira; Osawa, Tsutomu; and Oki, Shigaru, 4,847,526, Cl. 310-185.000.
- Osawa, Yasuhisa; and Kimura, Yasuko, to Fuji Rubber Co., Limited. Contactor rubber. 4,800,243, 1-24-89, Cl. 200-514.000.
- Osawa, Yoshihiko: *See—*
  - Inouye, Yoshinori; Osawa, Yoshihiko; and Ueda, Minoru, 4,858,528, Cl. 101-175.000.
- Osawa, Yoshinori. Support plate for tiles. 4,856,245, 8-15-89, Cl. 52-386.000.
- Osawa, Yoshio, to Medical Foundation of Buffalo, Inc. Compositions containing 5α-dihydro-19-norethisterone for in vivo inhibition of endocrine-dependent conditions in mammals. 4,829,059, 5-9-89, Cl. 514-178.000.
- Osawa, Yukio: *See—*
  - Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
- Osberghaus, Rainer; Ameglio, Gian D.; Bossek, Harald; and Rogmann, Karl-Heinz, to Henkel Kommanditgesellschaft auf Aktien. Floor care preparation. 4,810,291, 3-7-89, Cl. 106-10.000.
- Osberghaus, Rainer; Kresse, Franz; and Scheller, Bernfrid, to Henkel Kommanditgesellschaft auf Aktien. Applicator for liquid floor treatment preparations. 4,863,299, 9-5-89, Cl. 401-15.000.
- Osberghaus, Rainer; Rogmann, Karl-Heinz; and Froehlich, Birgit, to Henkel Kommanditgesellschaft auf Aktien. Cleaning preparations for hard surfaces. 4,863,629, 9-5-89, Cl. 252-162.000.
- Osbon, Julian W., to Osbon Medical Systems, Ltd. Vacuum generating and constriction apparatus for augmenting male potency. 4,856,498, 8-15-89, Cl. 128-79.000.
- Osbon Medical Systems, Ltd.: *See—*
  - Osbon, Julian W., 4,856,498, Cl. 128-79.000.
- Osbond, Paul C.; Oswald, Catherine S.; and Whatmore, Roger W., to Plessey Overseas Limited. Pyroelectric ceramics. 4,869,840, 9-26-89, Cl. 252-62.900.
- Osborn, David: *See—*
  - Goldberg, Eugene P.; Burns, Jim; Sheets, John W.; Larson, Jeffrey A.; Kumar, Sudesh; and Osborn, David, 4,806,382, Cl. 427-2.000.
- Osborn, Donald H.; Gilman, Paul S.; and Donachie, Stephen J., to Inco Alloys International, Inc. Production of Al alloys with improved properties. 4,801,339, 1-31-89, Cl. 148-11.50A.
- Osborn, Douglas B., to Delco Electronics Corporation. Two stage protection circuit for a power MOSFET driving an inductive load. 4,860,152, 8-22-89, Cl. 361-91.000.
- Osborn, Glenn M.; and Essert, Robert D., to Amphenol Corporation. Fiber optic connector with colley retention. 4,812,006, 3-14-89, Cl. 350-96.210.
- Osborn, Harold L.: *See—*
  - Hervat, John C.; Mondek, Matthew H.; Osborn, Harold L.; and Umek, Gregory M., 4,863,405, Cl. 440-53.000.
- Osborn, Merritt A., to Bares Group, The. Torque limiting pliers. 4,809,534, 3-7-89, Cl. 72-409.000.
- Osborn, Nathan W.: *See—*
  - Rodal, David R.; and Osborn, Nathan W., 4,800,450, Cl. 360-73.060.
  - Rodal, David R.; and Osborn, Nathan W., 4,866,547, Cl. 360-74.200.
- Osborn, Paul V.; and Tendick, Clyde C., to Mobil Oil Corporation. Plastic film air table conveyor. 4,819,928, 4-11-89, Cl. 271-276.000.
- Osborn, Paul V., to Mobil Oil Corporation. Method and apparatus for forming a pair of hems in superposed layers of a moving thermoplastic film web. 4,820,252, 4-11-89, Cl. 493-440.000.
- Osborn, Paul V., to Mobil Oil Corporation. Hydraulic index drive system. 4.821,936, 4-18-89, Cl. 226-170.000.
- Osborn, Paul V., to Mobil Oil Corporation. Driven guide roller indexing system. 4,834,697, 5-30-89, Cl. 493-193.000.
- Osborn, Paul V., to Mobil Oil Corporation. Cam positioned index take up roll. 4,834,698, 5-30-89, Cl. 493-193.000.
- Osborn, Paul V., to Mobil Oil Corporation. Flexible coupling. 4,850,933, 7-25-89, Cl. 464-81.000.
- Osborn, Paul V., to Mobil Oil Corporation. Hot air hem sealer heat exchanger. 4,850,944, 7-25-89, Cl. 493-5.000.
- Osborn, Paul V.; and Tendick, Clyde C., to Mobil Oil Corporation. Flexible material folding apparatus. 4,857,039, 8-15-89, Cl. 493-416.000.
- Osborne, Anthony, to Kearney-National, Inc. Polyphase interrupter responsive to single phase fault. 4,806,898, 2-21-89, Cl. 337-146.000.
- Osborne, Gary L.: *See—*
  - Saelens, William R.; and Osborne, Gary L., 4,883,205, Cl. 224-32.00R.
- Osborne, Gary T.: *See—*
  - Hoover, Alan A.; and Osborne, Gary T., 4,852,444, Cl. 84-1.050.
- Osborne Industries, Inc.: *See—*
  - Peterson, Vincent E., 4,850,267, Cl. 98-42.070.
- Osborne, James C., Jr.: *See—*
  - Brenner, Nathaniel; and Osborne, James C., Jr., 4,859,301, Cl. 204-180.100.
- Osborne, John C.: *See—*
  - Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,807,618, Cl. 128-878.000.
  - Auchinleck, Geoffrey F.; McEwen, James A.; Osborne, John C.; and Bussani, Carlo R., 4,817,592, Cl. 128-855.000.
  - McEwen, James A.; Godolphin, William J.; Bohl, Rainer M.; Dance, Mark N.; Furse, Martin L.; and Osborne, John C., 4,828,716, Cl. 210-740.000.
- Osborne, Lee R. Abrasion resistant ceramic elbow. 4,865,353, 9-12-89, Cl. 285-16.000.
- Osborne, Lyle E. Double O-ring sealing arrangement. 4,795,173, 1-3-89, Cl. 277-168.000.
- Osborne, Marion W.: *See—*
  - Cantu, Lisa A.; McBride, Edward F.; and Osborne, Marion W., 4,848,467, Cl. 166-281.000.
- Osborne, Michael W.; Afforder, Cynthia A.; and England, William G., to Purafil, Inc. Solid filtration medium incorporating alumina and carbon. 4,855,276, 8-8-89, Cl. 502-415.000.
- Osborne, Neal F., to Beecham Group p.l.c. Heterocyclic-methylenepenems. 4,798,828, 1-17-89, Cl. 514-192.000.
- Osborne, Robert B.: *See—*
  - McKinney, Ronald J.; and Osborne, Robert B., 4,874,884, Cl. 558-338.000.
- Osborne, Robert L., to Westinghouse Electric Corp. Apparatus and method for monitoring steam turbine shroud clearance. 4,876,505, 10-24-89, Cl. 324-208.000.
- Osborne, Robert L.: *See—*
  - Lemak, Thomas A.; Osborne, Robert L.; and Twerdochlib, Michael, 4,851,949, Cl. 361-23.000.
- Osborne, Stephen J.: *See—*
  - Read, Michael J.; Read, Michael R.; Osborne, Stephen J.; and Hakes, Geoffrey P., 4,844,959, Cl. 428-34.900.
- Osborne, Tanya R.: *See—*
  - Revis, Nathaniel W.; Benson, Suzanne B.; and Osborne, Tanya R., 4,826,602, Cl. 210-611.000.
- Osborne, Thomas A.: *See—*
  - Sos, Thomas A.; DeBruyne, Michael; and Osborne, Thomas A., 4,848,344, Cl. 128-344.000.
- Osborne, Tracy L.; and Hutcheson, William R., to Titan Corporation, The. Asphalt compounds and method for asphalt reconditioning using microwave radiation. 4,849,020, 7-18-89, Cl. 106-281.100.
- Osborne, William R., Sr. Folding three legged sawhorse. 4,819,762, 4-11-89, Cl. 182-153.000.
- Osbourn, Gordon C.: *See—*
  - Chaffin, Roger J., deceased; Dawson, Ralph; Fritz, Ian J.; Osbourn, Gordon C.; and Zipperian, Thomas E., 4,797,716, Cl. 357-22.000.
- Osburn, Coy D.; and Sullivan, James B., to TDW Delaware, Inc. Completion machine. 4,880,028, 11-14-89, Cl. 137-315.000.
- Oscar Mayer Foods Corporation: *See—*
  - Ande, Charles F.; and Selz, Mark E., 4,877,626, Cl. 426-250.000.
  - Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., 4,798,729, Cl. 426-326.000.
  - Anders, Robert J.; Cerveny, John G.; and Milkowski, Andrew L., 4,888,191, Cl. 426-281.000.
  - Gindrod, Paul E.; Griesbach, Ray H.; and Hustad, Gerald O., 4,850,504, Cl. 220-307.000.
  - Griesbach, Ray H.; and Hustad, Gerald O., 4,823,961, Cl. 206-632.000.
  - Grindrod, Paul E., Griesbach, Ray H.; and Cornish, Darrell G., 4,866,911, Cl. 53-432.000.
  - Lippincott, Howard C.; Quickert, Stephen C.; and Gundlach, Larry C., 4,820,536, Cl. 426-412.000.
  - Morin, Paul G.; and Hoes, Tommy L., 4,879,128, Cl. 426-392.000.
- Oscar Mayer Foods Incorporated: *See—*
  - Mally, Timothy G.; Jonovic, John A.; and Borsuk, Alvin, 4,832,970, Cl. 426-274.000.
- Oscarsson, Johnny, to Svenska Rotor Maskiner AB. Intermittent service screw compressor. 4,799,865, 1-24-89, Cl. 417-283.000.
- Oscarsson, Johnny, to Svenska Rotor Maskiner AB. Internal combustion engine provided with a supercharger. 4,802,457, 2-7-89, Cl. 123-564.000.
- Oschmann, Thomas R.: *See—*
  - Foster, Stephen R.; and Oschmann, Thomas R., 4,889,049, Cl. 100-171.000.
- Oscobal AG: *See—*
  - Schmitt, Otmar; and Mittelmeier, Heinz, 4,830,009, Cl. 128-421.000.
  - Zielke, Klaus, 4,854,304, Cl. 128-69.000.
- Osczevski, Randall J.: *See—*
  - Farnworth, Brian; and Osczevski, Randall J., 4,843,664, Cl. 5-417.000.
- Oselladore, Mauro: *See—*
  - Bottacchi, Stefano; and Oselladore, Mauro, 4,799,224, Cl. 372-38.000.
- Osenberg, Klaus-Dieter: *See—*
  - Schneider, Klaus; Osenberg, Klaus-Dieter; and Heinrich, Klaus-Juergen, 4,834,590, Cl. 406-142.000.
- Osenberg, Kurt A.: *See—*
  - Kortenbusch, Michael; and Osenberg, Kurt A., 4,824,294, Cl. 406-93.000.
- Osendorf, Richard J., to Donaldson Company, Inc. Anti-duffusion chemical breather assembly for disk drives. 4,863,499, 9-5-89, Cl. 55-316.000.
- Oseto, Osamu; and Yamada, Nobuo, to Arakawa Kagaku Kogyo Kabushiki Kaisha. Electrophotographic toner composition excellent in fixing property at low temperature. 4,814,249, 3-21-89, Cl. 430-109.000.

Oseto, Osamu: *See—*
Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, 4,863,825, Cl. 430-109.000.
OSG Corporation: *See—*
Ohya, Seiji; and Harada, Tetsuro, 4,860,497, Cl. 51-98.500.
Osgood, Almond: *See—*
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Osgood, Almond A., Sr., to Osgood, Almond. Garden cover retainer or concrete cover retainer. 4,825,600, 5-2-89, Cl. 52-4.000.
Osgood, George M. Method of assembling line marker into suspended power line. 4,885,835, 12-12-89, Cl. 29-463.000.
Osgood, John H., to Packaging Industries Group, Inc. Package for fluorescent lamps. 4,834,239, 5-30-89, Cl. 206-418.000.
Osgood, Richard W.: *See—*
Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., 4,863,303, Cl. 403-11.000.
Osgood, Wayne R., Jr.; and Therrian, Matthew A., to Mobil Oil Corporation. Low coefficient of friction biaxially oriented film. 4,855,187, 8-8-89, Cl. 428-516.000.
O'Shannessy, Daniel J. Proteins bound to a marker or solid phase support matrix using a hydrazone linkage. 4,874,813, 10-17-89, Cl. 525-54.100.
O'Shaughnessy, Timothy G.; and Hull, Richard W., to Western Digital Corporation. CMOS Schmitt trigger with independently biased high/low threshold circuits. 4,859,873, 8-22-89, Cl. 307-290.000.
O'Shaughnessy, Timothy G.; Spaur, Michael R.; and Ouyang, Kenneth W., to Western Digital Corporation. CMOS integrated circuit having precision resistor elements. 4,868,482, 9-19-89, Cl. 323-313.000.
O'Shea, Geraldine M.. *See—*
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Oshefsky, Daniel J.; and Rajala, Gregory J., to Kimberly-Clark Corporation. Method and apparatus for applying discreet elastic strips to a stationary web. 4,863,542, 9-5-89, Cl. 156-160.000.
Osher, Mikhail I.: *See—*
Minenko, Leonid P.; Osher, Mikhail I.; Belikov, Evgeny V.; and Klyatis, Lev M., 4,852,927, Cl. 294-86.400.
Oshiage, Katsunori; and Kumura, Haruyoshi, to Nissan Motor Company, Ltd. Ratio control for continuously variable transmission. 4,853,857, 8-1-89, Cl. 364-424.100.
Oshiage, Katsunori: *See—*
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Oshida, Hiromi: *See—*
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Oshida, Tsutomu, to Nifco Inc. Plastic push-on nut. 4,828,444, 5-9-89, Cl. 411-437.000.
Oshida, Tsutomu, to Nifco, Inc. Securing device. 4,840,523, 6-20-89, Cl. 411-48.000.
Oshida, Tsutomu, to Nifco Inc. Cylinder type air damper with filter for storage box. 4,856,625, 8-15-89, Cl. 188-282.000.
Oshida, Yoshiaki: *See—*
Kawai, Yasuo; and Oshida, Yoshiaki, 4,824,945, Cl. 536-27.000.
Oshida, Yoshitada; Nakashima, Naoto; and Yoshitake, Yasuhiro, to Hitachi, Ltd. Method and apparatus for optical alignment of semiconductor by using a hologram. 4,862,008, 8-29-89, Cl. 250-548.000.
Oshida, Yoshitada: *See—*
Nakata, Toshihiko; Oshida, Yoshitada; and Shiba, Masataka, 4,795,261, Cl. 356-401.000.
Yoshitake, Yasuhiro; Oshida, Yoshitada; Shiba, Masataka; and Nakashima, Naoto, 4,819,033, Cl. 355-53.000.
Oshidari, Toshikazu; Hattori, Noboru; and Kato, Yoshiaki, to Nissan Motor Co., Ltd. Automatic transmission having centrifugally operable drain valve in hydraulically operated clutch actuator. 4,840,261, 6-20-89, Cl. 192-106.00F.
Oshiga, Takayuki; Fujiwara, Katsuhiro; Kasahara, Toshiro; and Oshida, Hiromi, to Hitachi, Ltd. Programmable sequence controller. 4,833,589, 5-23-89, Cl. 364-140.000.
Oshiga, Takayuki: *See—*
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Oshika, Yasuhiro: *See—*
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Oshikawa, Kiyomitsu: *See—*
Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.
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Oshikawa, Yoshitoshi: *See—*
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Oshikiri, Keiichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor module. 4,796,145, 1-3-89, Cl. 361-57.000.
Oshikiri, Nobuo: *See—*
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Oshikoshi, Yuji: *See—*
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Oshima, Akinobu: *See—*
Shimizu, Shigeki; Oshima, Akinobu; Ide, Hiroshi; and Takahashi, Noriaki, 4,863,835, Cl. 430-331.000.
Oshima, Akira. Seal system for butterfly valve. 4,860,994, 8-29-89, Cl. 251-173.000.
Oshima, Akira. Seal mechanism for butterfly valve with press contacting seal effective in both inflow and outflow directions. 4,872,642, 10-10-89, Cl. 251-173.000.
Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, to Roussel Uclaf. Tricyclic compounds. 4,882,351, 11-21-89, Cl. 514-431.000.
Oshima, Etsuo: *See—*
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Oshima, Hiroki: *See—*
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Oshima, Hiroshi; Sadakane, Hirofumi; Katayama, Takao; Takakura, Jinnosuke; and Fujioka, Hisatake, to Kubota, Ltd. Clutch control structure for a walking operator type lawn mower. 4,882,897, 11-28-89, Cl. 56-11.300.
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Wachi, Shun; Ariki, Yuusaku; and Oshima, Hiroshi, 4,873,384, Cl. 570-247.000.
Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shinji; Hanagata, Haruo; and Igarashi, Hidesato, to Dipsol Chemicals Co., Ltd. Electroplating bath and method for forming zinc-nickel alloy coating. 4,889,602, 12-26-89, Cl. 204-38.100.
Oshima, Kazuo; and Iwasaki, Shizuo, to Bridgestone Corp. Pneumatic radial tires. 4,889,174, 12-26-89, Cl. 152-529.000.
Oshima, Michitaka: *See—*
Kato, Kiyotaka; and Oshima, Michitaka, 4,875,033, Cl. 340-706.000.
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Fujimaki, Tatsuo; and Oshima, Noboru, 4,866,131, Cl. 525-96.000.
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Kondo, Takeshi; Kawai, Toshikazu; and Oshio, Hideki, 4,876,404, Cl. 570-145.000.
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Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,130, Cl. 361-321.000.
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Banno, Kazuo; Fujioka, Takafumi; Oshiro, Yasuo; and Nakagawa, Kazuyuki, 4,824,840, Cl. 514-218.000.
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Oshitani, Masahiko; and Yufu, Hiroshi, to Yuasa Battery Company Limited. Nickel electrode for alkaline battery and battery using said nickel electrode. 4,844,999, 7-4-89, Cl. 429-223.000.
Oshitari, Yoshimi. High performance gas filter assembly. 4,877,433, 10-31-89, Cl. 55-486.000.
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Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.
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Onizaki, Takashi J.; and Oshust, Stephen L., 4,862,984, Cl. 180-120.000.
Osika, Thomas F.; and Stuhlmacher, John, to McGill Manufacturing. Safety rocker. 4,870,230, 9-26-89, Cl. 200-6.00R.
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Miura, Masao; and Osima, Isamu, 4,849,726, Cl. 335-195.000.
Osinski, Kazimierz; and Voors, Ingrid J., to U.S. Philips Corporation. Method of manufacturing a semiconductor device, in which metal silicide is provided in a self-registered manner. 4,885,259, 12-5-89, Cl. 437-41.000.
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Brueck, Steven R. J.; Schaus, Christian F.; Osinski, Marek A.; McInerney, John G.; Raja, M. Yasin A.; Brennan, Thomas M.; and Hammons, Burrell E., 4,881,236, Cl. 372-45.000.
Osipov, Gennady I.: *See—*
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Lind, Bruce J.; and Oskam, Hendrik J., 4,821,281, Cl. 372-94.000.
Oskam, Herman, to Hunter Douglas International N.V. Blind headrail bracket. 4,802,644, 2-7-89, Cl. 248-251.000.
Oskam, Herman: *See—*
Hennequin, Petrus J.; and Oskam, Herman, 4,807,683, Cl. 160-172.000.
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Oskar Frech GmbH & Co.: *See—*
Fink, Roland; and Klingenstein, Walter, 4,799,624, Cl. 239-412.000.
Oskarsson, Rolf G.; and Eriksson, Erik G., to Sandvik AB. Protecting plate of compound design and method of manufacturing the same. 4,869,974, 9-26-89, Cl. 428-328.000.
Oskarsson, Rolf G.: *See—*
Eriksson, Erik G.; Oskarsson, Rolf G.; and von Holst, Johan P., 4,849,300, Cl. 428-558.000.
Oslin, Brian: *See—*
Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, 4,808,224, Cl. 75-246.000.
Anderson, Raymond L.; Groza, Joanna R.; and Oslin, Brian, 4,869,869, Cl. 419-44.000.
Oslin, Brian L., to Ceracon, Inc. Electrical heating of graphite grain employed in consolidation of objects. 4,853,178, 8-1-89, Cl. 419-23.000.
Oslin, G. Robert; and Jepson, Stewart C., to Delaware Capital Formation, Inc. Gas combination oven. 4,817,582, 4-4-89, Cl. 126-21.00A.
Oslin, G. Robert, to Groen/A Dover Industries Company. Jacketed kettle with agitator. 4,835,369, 5-30-89, Cl. 219-439.000.
Oslin, G. Robert, to Delaware Capital Formation, Inc. Electric combination oven. 4,851,644, 7-25-89, Cl. 219-400.000.
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Osman, Maged A.: *See—*
Huynh-ba, Tuong; and Osman, Maged A., 4,808,333, Cl. 252-299.660.
Osman, Peter D., to RCA Licensing Corporation. Regulator for isolated chassis power supply. 4,864,481, 9-5-89, Cl. 363-21.000.
Osmer, Thomas M.: *See—*
Alexander, Robert H.; Osmer, Thomas M.; and Neely, James W., 4,854,786, Cl. 408-1.00R.
Osmond, Philippe: *See—*
Goncalves, Antonin; and Osmond, Philippe, 4,811,726, Cl. 128-57.000.
Goncalves, Antonin; and Osmond, Philippe, 4,823,777, Cl. 128-57.000.
Osmonics, Inc.: *See—*
Bertelsen, Robert A.; and Paulson, David J., 4,839,037, Cl. 210-97.000.
Bertelsen, Robert A.; and Oisen, Douglas L., 4,846,970, Cl. 210-232.000.
Osokin, Jury I.: *See—*
Mascvich, Felix Z.; Osokin, Jury I.; Pukis, Alexandr A.; Stepanov, Nikolai I.; and Shishlov, Vyacheslav I., 4,844,548, Cl. 299-43.000.
Osono, Katsuo, to King Jim Co. Ltd. Filing device. 4,820,075, 4-11-89, Cl. 402-79.000.
Osppco, Inc.: *See—*
Hosman, Reo, 4,852,834, Cl. 248-156.000.
Osprey Metals Limited: *See—*
Leatham, Alan; and Ogilvy, Andrew, 4,804,034, Cl. 164-46.000.
Ossberger, Karl F.: *See—*
Linss, Gerhard; and Ossberger, Karl F., 4,806,091, Cl. 425-529.000.
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Ossberger-Turbinenfabrik GmbH & Co.: *See—*
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Benoit, Philippe; Chielens, Alain; Pinoncely, Andre; and Osselin, Florence, 4,817,008, Cl. 364-477.000.
Ossfeldt, Bengt E.; and Palmgren, Ulf E., to Telefonaktiebolaget LM Ericsson. Arrangement for supervising a data processing system. 4,815,025, 3-21-89, Cl. 364-900.000.
Ossian, William F., to American National Can Company. Multiple layer films containing oriented layers of nylon and ethylene vinyl alcohol copolymer. 4,818,592, 4-4-89, Cl. 428-216.000.
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Tolson, Sidney S.; and Brumberg, Charles S., 4,856,704, Cl. 229-2.50R.
Ost, Wilford G.; and Westfall, Norman R., to Caldwell Manufacturing Company. Window spring anchor. 4,811,455, 3-14-89, Cl. 16-197.000.
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Kolomeets, Sergei D.; Krivoshlykov, Alexei J.; Ostafiev, Vladimir A.; and Tymchik, Grigory S., 4,866,360, Cl. 318-577.000.
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Munari, Fausto; Ostan, Giovanni; and Tosi, Bruno, 4,863,871, Cl. 436-161.000.

- Ostapchenko, George J.: *See—*
  - Hoeschele, Guenther K.; and Ostapchenko, George J., 4,868,062, Cl. 428-423.100.
- Ostapiak, Roman: *See—*
  - Magalhaes, Frank M.; Ostapiak, Roman; Walk, Ralph; and Ziesse, Norman G., 4,814,962, Cl. 363-16.000.
- Ostarek, Ralph: *See—*
  - Piejko, Karl-Erwin; Ostarek, Ralph; and Reetz, Manfred T., 4,801,669, Cl. 526-238.000.
- Ostasiuk, Mark: *See—*
  - Tomita, Akira; and Ostasiuk, Mark, 4,812,001, Cl. 350-96.300.
- Osteen, Mitchell M., to General Electric Company. High pressure double wall sodium arc tube and methods of operating such. 4,839,565, 6-13-89, Cl. 315-209.00R.
- Osteen, Mitchell M.; and Halper, Warren, to General Electric Company. Luminares having flexible light shields. 4,866,582, 9-12-89, Cl. 362-359.000.
- Osteen, Mitchell M.: *See—*
  - Gunnels, William F.; Willis, Candler A.; and Osteen, Mitchell M., 4,835,841, Cl. 29-605.000.
- Ostendorf, Philip J. Musical wind instrument. 4,885,971, 12-12-89, Cl. 84-387.000.
- Ostenson, Jerome E.: *See—*
  - Verhoeven, John D.; McMasters, O. Dale; Gibson, Edwin D.; Ostenson, Jerome E.; and Finnemore, Douglas K., 4,818,304, Cl. 148-103.000.
- Osteonics Corp.: *See—*
  - Averill, Robert G.; and Khowaylo, Alex, 4,798,610, Cl. 623-22.000.
  - Averill, Robert G.; and Cohen, Robert C., 4,888,023, Cl. 623-22.000.
- Osteotech, Inc.: *See—*
  - Glowczewskie, Frank P., Jr.; and Present, David A., 4,844,259, Cl. 206-370.000.
  - Glowczewskie, Frank P., Jr.; Litwak, Alfred A.; Grooms, Jamie M.; and Lyle, John W., 4,863,473, Cl. 623-16.000.
- Oster, Clark L.; Rustebakke, Paul; and Schiefen, Daniel R., to Square D Company. Trip crossbar translation to prevent bimetal overstressing in a circuit breaker. 4,862,131, 8-29-89, Cl. 337-48.000.
- Oster, Clark L.: *See—*
  - Dickens, James W.; and Oster, Clark L., 4,849,589, Cl. 200-146.00R.
- Oster, Francis, to Buddy L Corporation. Drawing device having mobile stylus tracing lines on glass plate. 4,888,874, 12-26-89, Cl. 33-18.100.
- Oster, Nicholas R. Retractable crowd control barrier. 4,844,420, 7-4-89, Cl. 256-1.000.
- Osterberg, Eva: *See—*
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- Osterberg, Richard R.; and Wolanski, Richard B., to Huron Valley Steel Corporation. Method and apparatus for sorting non-ferrous metal pieces. 4,834,870, 5-30-89, Cl. 209-38.000.
- Osterberg, Richard R.: *See—*
  - Wolanski, Richard B.; and Osterberg, Richard R., 4,869,811, Cl. 209-212.000.
- Osterday, Thomas G.: *See—*
  - Callender, Bernard L.; Chow, William W.; Osterday, Thomas G.; and Rueger, William J., 4,842,177, Cl. 226-97.000.
- Osterhage, Rodney J.: *See—*
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- Osterholm, Jewell L., to Thomas Jefferson University. Oxygenated perfluorinated perfusion of the ocular globe to treat ischemic retinopathy. 4,795,423, 1-3-89, Cl. 604-24.000.
- Osterholm, Jewell L., to Thomas Jefferson University. Extravascular circulation of oxygenated synthetic nutrients to treat tissue hypoxic and ischemic disorders. 4,830,849, 5-16-89, Cl. 424-2.000.
- Osterholm, Jewell L., to Thomas Jefferson University. Cerebral and lumbar perfusion catheterization apparatus for use in treating hypoxic/ischemic neurologic tissue. 4,840,617, 6-20-89, Cl. 604-174.000.
- Osterhout, Ralph; Kash, Richard; Cederlind, Gregory; and Gleason, Greta L., to Tekna. Decompression and air consumption computer. 4,794,803, 1-3-89, Cl. 73-865.100.
- Osterhout, Ralph F.; Howard, Paul L.; and Light, Greta G., to Tekna, Inc. Flashlight with battery life indicator module. 4,876,632, 10-24-89, Cl. 362-183.000.
- Osterhout, Ralph F.: *See—*
  - Siefert, Steven G.; and Osterhout, Ralph F., 4,821,156, Cl. 362-187.000.
- Osterhuber, Edward J., to Exxon Research and Engineering Company. Upgrading heavy oils by solvent dissolution and ultrafiltration. 4,797,200, 1-10-89, Cl. 208-308.000.
- Osterhuber, Edward J.: *See—*
  - Ho, Teh C.; McCandlish, Larry E.; Young, Archie R., II; and Osterhuber, Edward J., 4,831,002, Cl. 502-165.000.
- Osterkamp, Eva: *See—*
  - Rauch, Hans; Osterkamp, Eva; and Stepper, Norbert, 4,835,870, Cl. 33-1.00C.
- Osterle, Josef: *See—*
  - Hempel, Ulrich; and Osterle, Josef, 4,846,208, Cl. 137-43.000.
- Osterloh, Rolf: *See—*
  - Blum, Rainer; Rehmer, Gerd; Osterloh, Rolf; and Sander, Hans, 4,845,147, Cl. 524-461.000.
  - Blum, Rainer; Rehmer, Gerd; Osterloh, Rolf; and Sander, Hans, 4,853,433, Cl. 525-65.000.
  - Blum, Rainer; Belde, Horst; Osterloh, Rolf; and Uhl, Guenter, 4,888,124, Cl. 252-182.200.
  - Goeckel, Ulrich; Petersen, Harro; Osterloh, Rolf; Schupp, Eberhard; Loch, Werner; and Schwerzel, Thomas, 4,855,394, Cl. 528-263.000.
  - Schwerzel, Thomas; Osterloh, Rolf; Schupp, Eberhard; [illegible] Thomas; and Ahlers, Klaas, 4,871,808, Cl. 525-113.000.
- Osterlund Inc.: *See—*
  - Osterlund, Jan A.; and Scatchard, Leroy C., 4,846,581, Cl. 366-61.000.
- Osterlund, Jan A.; and Scatchard, Leroy C., to Osterlund Inc. Rear discharge-two way concrete mixer. 4,846,581, 7-11-89, Cl. 366-61.000.
- Ostermann, Friedrich; Dumont, Christian; Balbach, Rainer; and Sollner, Gerhard, to Vereinigte Aluminium-Werke Aktiengesellschaft. Deep drawable aluminum sheet or strip. 4,886,713, 12-12-89, Cl. 428-687.000.
- Ostermayer, Franz; and Zimmermann, Markus, to Ciba-Geigy Corporation. Novel phenoxyaliphatylphenyleneoxyalkyl esters and amides. 4,818,766, 4-4-89, Cl. 514-356.000.
- Ostermeier, Bruce H., to AM International Corporation. Low ion photoplotter imaging system. 4,875,751, 10-24-89, Cl. 350-96.180.
- Ostermeier, Wilhelm, to M & C Products Analysentechnik GmbH. Oxygen measuring cell. 4,807,463, 2-28-89, Cl. 73-27.00A.
- Osterreicher, Gerhard W.: *See—*
  - Steinpichler, Dietmar; and Osterreicher, Gerhard W., 4,843,631, Cl. 382-43.000.
- Osterreichische Salen-Kunststoffwerk GmbH: *See—*
  - Kistenich, Johann; and Volk, Christian, 4,842,305, Cl. 285-21.000.
- Ostersehlt, Bernd; Rieber, Norbert; and Gries, Josef, to BASF Aktiengesellschaft. 1,4-disubstituted pyrazole derivatives, compositions and use. 4,851,410, 7-25-89, Cl. 514-232.200.
- Osterstrom, Gordon E.; Livshits, Leonid; and Renz, Mark B., to Sargent-Welch Scientific Co. Turbomolecular pump with improved bearing assembly. 4,806,075, 2-21-89, Cl. 415-170.00R.
- Osterstrom, Gordon E.: *See—*
  - Ferran, Robert J.; and Osterstrom, Gordon E., 4,823,603, Cl. 73-724.000.
- Ostertag, Alfred; and Schillinger, Hans, to Eastman Christensen Company. Stabilizer for deep well drilling tools. 4,854,403, 8-8-89, Cl. 175-325.000.
- Ostertag, Alfred; Iversen, Robert E.; Hyland, Craig R.; Enever, Kenneth D.; and Radford, Steven R., to Eastman Christensen Company. Nozzle retention system for a drill bit. 4,878,548, 11-7-89, Cl. 175-340.000.
- Ostertag, Alfred: *See—*
  - Biehl, Johann; and Ostertag, Alfred, 4,875,531, Cl. 175-250.000.
- Ostertag, Edward A., to Teradyne, Inc. Apparatus for testing input pin leakage current of a device under test. 4,862,070, 8-29-89, Cl. 324-73.00R.
- Ostertag, Karl, to AKZO N.V. Process for transferring metal ions using microporous membranes. 4,820,343, 4-11-89, Cl. 75-101.0BE.
- Ostertag, Karl, to Akzo NV. Process for transporting metal ions by means of microporous membranes. 4,822,491, 4-18-89, Cl. 210-638.000.
- Ostertag, Klaus; and Pietzsch, Karl, to Erwin Sick GmbH Optik-Elektronik. Scanner for the optical scanning of objects. 4,848,864, 7-18-89, Cl. 350-6.800.
- Ostertag, Richard O.: *See—*
  - Greene, Timothy R.; Oberlander, Jerry D.; Ostertag, Richard O.; and Vavra, Frank, 4,809,766, Cl. 164-151.000.
- Ostertag, Werner; Czech, Erwin; Schmitt, Franz-Ulrich; and Schulze Hagenest, Detlef, to BASF Aktiengesellschaft. Colored single-component toners and their preparation. 4,803,143, 2-7-89, Cl. 430-106.600.
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  Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Tou Kazuo; Kamakura, Takuro; and Ota, Toshiaki, 4,812,387, C 430-311.000.
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Otagawa, Takaaki: *See—*
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Otake, Katsumasa: *See—*
  Kayane, Yutaka; Otake, Katsumasa; and Tezuka, Yasuo, 4,841,031, Cl. 534-638.000.
Otake, Katsumi; and Iwakami, Nobuyuki, to Fuji Photo Film Co., Ltd. Index sheet, method for making same, package of same with image recording medium, and container for same together with image recording medium. 4,805,039, 2-14-89, Cl. 358-335.000.
Otake, Katsumi: *See—*
  Kogane, Mikio; and Otake, Katsumi, 4,866,476, Cl. 355-40.000.
Otake, Nobuo: *See—*
  Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, 4,837,193, Cl. 502-242.000.
Otake, Norikazu: *See—*
  Nakagawa, Susumu; Otake, Norikazu; and Ushizima, Ryosuke, 4,814,328, Cl. 514-205.000.
Otake, Seiichiro: *See—*
  Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
Otake, Tetsushi, to Toko, Inc. Switching power supply circuit with stored charge removal switch. 4,819,144, 4-4-89, Cl. 363-21.000.
Otaki, Masatsugu: *See—*
  Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yamashita, Masakazu; Tanaka, Kenji; and Matsuura, Ryo, 4,845,700, Cl. 369-75.200.
Otaki, Michitaka: *See—*
  Hirai, Hidefumi; Komiyama, Makoto; and Otaki, Michitaka, 4,888,248, Cl. 438-403.000.
Otani, Hichiro: *See—*
  Matsumoto, Osamu; Otani, Hichiro; Okaue, Yutaka; and Moriguchi, Teruhiko, 4,815,317, Cl. 73-118.100.
Otani, Hidehiko: *See—*
  Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
  Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.
Otani, Hitoshi: *See—*
  Murai, Shunji; Othomo, Fumio; and Otani, Hitoshi, 4,834,530, Cl. 356-2.000.
  Ohtomo, Fumio; and Otani, Hitoshi, 4,803,645, Cl. 364-560.000.
Otani, Katsuya, to Mitsubishi Denki Kabushiki Kaisha. Pulsed alkali metal vapor discharge lamp with ceramics outer envelope. 4,870,316, 9-26-89, Cl. 313-25.000.
Otani, Koji: *See—*
  Mizukami, Makoto; Otani, Koji; and Takanami, Shuichi, 4,796,112, Cl. 360-78.070.
Otani, Masami; Nishida, Masami; Himoto, Masahiro; and Tsuchiya, Akio, to Dainippon Screen Mfg. Co., Ltd. Wafer transferring device. 4,846,623, 7-11-89, Cl. 414-225.000.
Otani, Masaru; Kojima, Masami; and Kitahara, Toshio, to Ajinomoto Co., Inc. Method for the separation of leucine. 4,820,869, 4-11-89, Cl. 562-554.000.
Otani, Masaru: *See—*
  Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.
Otani, Mitsunobu; Date, Tamotsu; Nagayama, Takashi; and Kouzuki, Tsuneo, to Toray Industries, Inc. Rotary drum type solid-liquid separation apparatus. 4,869,823, 9-26-89, Cl. 210-349.000.
Otani, Neal M.; and Fong-Otani, Janis M. J. Pot cover holder. 4,850,556, 7-25-89, Cl. 248-206.200.
Otani, Seiichi: *See—*
  Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.
  Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
  Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.
Otani, Shigeaki: *See—*
  Momoki, Yasuhito; Asami, Masahiro; Sakai, Nobuo; and Otani, Shigeaki, 4,853,321, Cl. 430-380.000.
Otani, Sugio; Ota, Michiya; and Kojima, Akira. Thermosetting aromatic resin composition. 4,866,157, 9-12-89, Cl. 528-230.000.
Otani, Susumu, to NEC Corporation. Carrier wave recovery system. 4,807,254, 2-21-89, Cl. 375-81.000.
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Otani, Susumu: *See—*
  Nawata, Hizuru; and Otani, Susumu, 4,871,975, Cl. 329-124.000.
  Yoshida, Shousei; Otani, Susumu; and Todoroki, Toshiya, 4,835,790, Cl. 375-10.000.
Otani, Yuzo: *See—*
  Takeda, Naohiro; Otani, Yuzo; Kita, Masahiro; and Okajima, Nariaki, 4,795,672, Cl. 428-216.000.
Otari Electric Company, Ltd.: *See—*
  Billings, Wayne E.; Phillips, Robert F.; and Gantzhorn, John E., Jr., 4,882,636, Cl. 360-16.000.
  Gantzhorn, John E., Jr.; McCloud, John W., II; Sota, Koichi; and Taniguchi, Jun, 4,814,899, Cl. 360-16.000.
  Gantzhorn, John E., Jr.; and Sota, Koichi, 4,843,487, Cl. 360-17.000.
  Sota, Koichi, 4,860,126, Cl. 360-16.000.
  Sota, Kouichi; Sima, Toshiaki; and Yoshida, Hirokazu, 4,869,410, Cl. 226-97.000.
Otawa, Taro: *See—*
  Goto, Fumio; and Otawa, Taro, 4,883,632, Cl. 264-544.000.
Otawa, Yasuhiko; Tojo, Tetsuo; Matsuda, Akira; and Okamoto, Katsuo, to Mitsui Petrochemical Industries, Ltd. Fine particulate crosslinked amorphous copolymer and preparation and use thereof. 4,818,785, 4-4-89, Cl. 524-576.000.
Otawa, Yasuhiko: *See—*
  Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,814,390, Cl. 525-331.700.
  Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, 4,877,817, Cl. 521-142.000.
Otdelenie Vsesojuznogo Nauchno-Issledovatelskogo I Proektno-Konstruktorskogo Tekhnologicheskogo: *See—*
  Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.
Oteco Equipment Company: *See—*
  Kujawa, Harry F.; and Hinderer, Nelson A., 4,799,716, Cl. 285-334.200.
Oten, Peter D. Venturi block having cut off. 4,860,795, 8-29-89, Cl. 138-46.000.
Oten, Peter D. Snap action pressure relief valve with over pressure indicator. 4,889,151, 12-26-89, Cl. 137-71.000.
Otera, Junzo; Mandai, Tadakatsu; and Kawada, Mikio, to Kuraray Co., Ltd. Process for producing vitamin A or its carboxylic acid esters, and intermediate compounds useful for the process. 4,825,006, 4-25-89, Cl. 568-32.000.
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Otero Juncal, Hector. Process for the manufacture of parquet flooring blocks. 4,828,642, 5-9-89, Cl. 156-268.000.
Otey, Felix H.: *See—*
  Fanta, George F.; and Otey, Felix H., 4,839,450, Cl. 527-313.000.
Othen, David G., to British Petroleum Company p.l.c., The. Corrosion inhibiting coating composition. 4,795,492, 1-3-89, Cl. 106-14.210.
Othmer, Siegfried: *See—*
  Srour, Joseph R.; and Othmer, Siegfried, 4,866,669, Cl. 365-176.000.
Othomo, Fumio: *See—*
  Murai, Shunji; Othomo, Fumio; and Otani, Hitoshi, 4,834,530, Cl. 356-2.000.
Othuka, Sachio: *See—*
  Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, 4,795,674, Cl. 428-254.000.
Othy, Inc.: *See—*
  Salyer, Paul E., 4,811,632, Cl. 76-101.00A.
Othzen, Bo L. A.: *See—*
  Dahlen, Lars M. G.; Larsson, Lars E.; and Othzen, Bo L. A., 4,862,865, Cl. 123-669.000.
Otis Elevator Company: *See—*
  Adrian, Willy; and Mehlert, Martin, 4,836,353, Cl. 198-335.000.
  Berkhan, Dietmar; and Mehlert, Martin, 4,875,558, Cl. 188-171.000.
  Bittar, Joseph; and Thangavelu, Kandasamy, 4,804,069, Cl. 187-125.000.
  Bittar, Joseph, 4,815,568, Cl. 187-127.000.
  DeViaris, Guy, 4,821,845, Cl. 187-12.000.
  Ericson, Richard J.; and Rivera, Jaime A., 4,848,519, Cl. 187-1.00R.
  Hermann, Dietrich E.; and Holzhauer, Ralf, 4,875,568, Cl. 198-335.000.
  Iwasa, Masao; Kito, Yasutami; and Mori, Masayuki, 4,870,334, Cl. 318-432.000.
  Myrick, Ronald E., 4,800,998, Cl. 198-323.000.
  Penicaut, Alain M. R.; and Chapelain, Jean C., 4,819,403, Cl. 52-741.000.
  Rivera, James A., 4,884,673, Cl. 198-328.000.
  Salmon, John K.; and Edge, William S., 4,807,723, Cl. 187-20.000.
  Sansevero, Frank M.; Seehausen, Klaus; Rivera, James A.; Nguyen, Dat; and Borchers, Peter, 4,883,160, Cl. 198-328.000.
  Taylor, Kenneth D., 4,874,063, Cl. 187-130.000.
  Thangavelu, Kandasamy, 4,838,384, Cl. 187-125.000.
  Thangavelu, Kandasamy, 4,846,311, Cl. 187-125.000.
  Wisner, George R., 4,800,368, Cl. 340-567.000.
  Youla, Jean, 4,847,728, Cl. 361-159.000.

  - Zepke, Bruce E., 4,799,243, Cl. 377-6.000.
- Otis Engineering Corporation: *See—*
  - Baker, Walter, 4,844,516, Cl. 285-351.000.
  - Bullard, Roy P.; and Bayh, Russell I., III, 4,811,959, Cl. 277-124.000.
  - Bullard, Roy P., 4,838,594, Cl. 294-86.180.
  - Clapp, Timothy D.; and McCormick, William H., 4,799,554, Cl. 166-312.000.
  - Clary, Sammy R.; Giusti, Frank, Jr.; and Sproul, Richard M., 4,846,281, Cl. 166-373.000.
  - Deaton, Thomas M.; and Perkins, Donald H., 4,798,247, Cl. 166-373.000.
  - Decker, Kenneth L., 4,858,644, Cl. 137-504.000.
  - Ferrell, Kent W., 4,836,243, Cl. 137-556.000.
  - Gano, John C., 4,796,698, Cl. 166-135.000.
  - Gazda, Imre I., 4,842,064, Cl. 166-250.000.
  - Gazda, Imre I., 4,844,160, Cl. 166-217.000.
  - Henderson, William D., 4,805,696, Cl. 166-114.000.
  - Hines, Craig D.; Bednarz, Michael J.; and Churchman, Ronald K., 4,842,074, Cl. 166-305.100.
  - Kernal, Dickie L., 4,809,989, Cl. 277-30.000.
  - Perkins, Donald H.; Deaton, Thomas M.; and Sizer, Phillip S., 4,886,114, Cl. 166-65.100.
  - Proctor, Lewis D.; Ross, Colby M.; Manzi, Brian P.; and Giusti, Frank, Jr., 4,840,229, Cl. 166-381.000.
  - Renfroe, James B., Jr., 4,834,176, Cl. 166-142.000.
  - Ross, Colby M.; and White, Pat M., 4,834,175, Cl. 166-120.000.
  - Ross, Colby M.; and White, Pat M., 4,844,154, Cl. 166-139.000.
  - Ross, Colby M.; Giusti, Frank, Jr.; and Hendrickson, James D 4,886,113, Cl. 166-51.000.
  - Rumbaugh, William D., 4,830,107, Cl. 166-250.000.
  - Schnatzmeyer, Mark A., 4,825,946, Cl. 166-117.500.
  - Schnatzmeyer, Mark A., 4,828,027, Cl. 166-117.500.
  - Schnatzmeyer, Mark A., 4,846,269, Cl. 166-65.100.
  - Setterberg, John R., Jr.; and Harrison, Robert D., Jr., 4,846,270, Cl. 166-115.000.
  - Sproul, Richard M.; Giusti, Frank, Jr.; Grant, Richard L.; and Brown, Kennedy J., 4,813,481, Cl. 166-51.000.
  - Sproul, Richard M.; Giusti, Frank, Jr.; Young, Carter R.; and Wilkie, John B., Jr., 4,832,129, Cl. 166-387.000.
  - Vinzant, Michael B.; Hines, Craig D.; Dickson, Rennie L.; and Hammett, Robert C., 4,834,183, Cl. 166-332.000.
  - Wong, Kwok-Ping, 4,821,799, Cl. 166-84.000.
  - Wong, Kwok-Ping; and Cowan, Peter, 4,825,953, Cl. 166-338.000.
  - Wong, Kwok-Ping, 4,844,210, Cl. 188-65.100.
  - Young, Carter R., 4,852,649, Cl. 166-189.000.
- Otis, James C.: *See—*
  - Lane, Joseph M.; Burstein, Albert H.; Otis, James C.; and Wright, Timothy M., 4,834,758, Cl. 623-18.000.
- Otis, Roger W.; and Otis, Stephen H. Marina. 4,883,014, 11-28-89, Cl. 114-263.000.
- Otis, Stephen H.: *See—*
  - Otis, Roger W.; and Otis, Stephen H., 4,883,014, Cl. 114-263.000.
- Oto, Duane H.: *See—*
  - Lee, Winston K. M.; Oto, Duane H.; and Tam, Simon M., 4,797,856, Cl. 365-185.000.
- Oto, Ikuo; Hyakutake, Hayato; and Kobirumaki, Ryo, to Iwatsu Electric Co., Ltd. Liquid developer for electrostatic photography. 4,886,730, 12-12-89, Cl. 430-137.000.
- Otobe, Yutaka, to Honda Giken Kogyo Kabushiki Kaisha. Method of selectively adapting an electronic control unit for internal combustion engines. 4,829,439, 5-9-89, Cl. 364-431.040.
- Otobe, Yutaka; and Kishi, Noriyuki, to Honda Giken Kogyo Kabushiki Kaisha. Valve operation control device for internal combustion engine. 4,876,995, 10-31-89, Cl. 123-90.120.
- Otoguro, Yasuo: *See—*
  - Hashimoto, Katukuni; Otoguro, Yasuo; and Fujita, Toshio, 4,844,755, Cl. 148-325.000.
- Otojima, Hirao: *See—*
  - Matsui, Isamu; Uchida, Hirosha; Otojima, Hirao; and Kino, Yoshihiro, 4,880,176,.Cl. 242-35.60E.
- Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, to Canon Kabushiki Kaisha. Information signal recording apparatus. 4,825,307, 4-25-89, Cl. 360-27.000.
- Otokawa, Mitsuhiro, to Canon Kabushiki Kaisha. Recording and reproducing apparatus with track pitch detection. 4,843,491, 6-27-89, Cl. 360-73.070.
- Otokawa, Mitsuhiro: *See—*
  - Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, 4,879,609, Cl. 360-66.000.
  - Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.
- Otomo, Kikuo; Yamagushi, Masashi; Ito, Masami; and Tokunaga, Hiroki, to Hodogaya Chemical Co., Ltd. Method for separating a trihalogenobenzene isomer. 4,798,913, 1-17-89, Cl. 570-211.000.
- Otomo, Ruyzi: *See—*
  - Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,857,441, Cl. 430-393.000.
  - Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,876,180, Cl. 430-393.000.
- Otomo, Seiji: *See—*
  - Hashimoto, Yoshio; Kawano, Tsuyoshi; Hasuka, Kaname; and Otomo, Seiji, 4,861,682, Cl. 428-685.000.
- Otomo, Shigekazu: *See—*
  - Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuito, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
  - Kobayashi, Toshio; Otomo, Shigekazu; Nakatani, Ryoichi; and Kumasaka, Noriyuki, 4,858,049, Cl. 360-126.000.
  - Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, 4,851,942, Cl. 360-103.000.
  - Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; Zama, Hideo; and Morikawa, Juichi, 4,803,338, Cl. 360-122.000.
  - Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; and Saito, Noritoshi, 4,847,715, Cl. 360-122.000.
- Otomo, Susumu: *See—*
  - Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
- Otomo, Tsuyoshi: *See—*
  - Takei, Hiroko; Suzuki, Toshiyuki; Otomo, Tsuyoshi; and Tokimitsu, Ichiro, 4,868,163, Cl. 514-76.000.
- Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, to Unitika Ltd.; and Doryokuro Kakunenryo Kaihatsu Jigyodan. Process for treating waste water containing uranium and fluorine. 4,808,316, 2-28-89, Cl. 210-664.000.
- Otomura, Keiichiro: *See—*
  - Tomoshige, Shozo; Obara, Hideto; Kondo, Kozo; Otomura, Keiichiro; and Yano, Soichiro, 4,832,924, Cl. 423-7.000.
- Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, to Daifoil Company, Ltd. Minute-cellular polyester film provided with coating. 4,857,396, 8-15-89, Cl. 428-315.500.
- Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, to Diafoil Company, Limited. Minute-cellular polyester film. 4,871,784, 10-3-89, Cl. 521-138.000.
- O'Toole, Frank K.: *See—*
  - Schmid, Steven L.; Hining, Larry D.; and O'Toole, Frank K. 4,817,728, Cl. 172-273.000.
- O'Toole, Marc L. Attachment for power tool. 4,838,361, 6-13-89, Cl. 173-12.000.
- O'Toole, Michael P.: *See—*
  - Dossee, Leigh T.; Evans, Robert E.; and O'Toole, Michael P. 4,866,107, Cl. 123-153.000.
- O'Toole, Richard M.: *See—*
  - Blitzer, Jacob H.; and O'Toole, Richard M., 4,848,054, Cl. 52-488.000.
- Otora, Takahito: *See—*
  - Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otora, Takahito, 4,797,699, Cl. 354-246.000.
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- Otoshi, Sachio; and Hatayama, Hideaki, to Asahi Glass Company Ltd. Fire-extinguishing composition. 4,822,498, 4-18-89, Cl. 252-2.000.
- Otoshima, Hiroo: *See—*
  - Kawarabashi, Tsukasa; Tone, Shoichi; and Otoshima, Hiroo, 4,848,077, Cl. 57-281.000.
- Ototake, Satoshi; Matsunaga, Ryozo; and Furusawa, Masao, to Nippon Kayaku Kabushiki Kaisha. Water-soluble azo compounds having a triazine moiety and dyeing method therewith. 4,841,034, 6-20-89, Cl. 534-701.000.
- Ototani, Tohei; Degawa, Toru; Kusumoto, Kenichi; and Ebata, Makoto, to Mitsui Engineering & Ship Building Co., Ltd.; and Metal Research Corporation. Method of producing an iron-, cobalt- and nickel-base alloy having low contents of sulphur, oxygen and nitrogen. 4,820,485, 4-11-89, Cl. 420-78.000.
- Ototani, Tohei, to Metal Research Corporation. Flexible refining-agent clad wire for refining molten iron group metal. 4,832,742, 5-23-89, Cl. 75-256.000.
- Otowa, Takashi: *See—*
  - Sonoda, Toshinari; Matsubara, Toshihiko; Otowa, Takashi; and Yoshida, Kazuo, 4,807,576, Cl. 123-90.570.
- Otrepiev, Vladimir A.: *See—*
  - Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.
- Otsap, Ben A.: *See—*
  - Phillips, Robert E.; and Otsap, Ben A., 4,796,656, Cl. 137-106.000.
- Otsu, Akira; and Nagase, Hiroshi, to Fujikura Kasei Co., Ltd. Positively chargeable toner for use in dry electrophotography. 4,840,863, 6-20-89, Cl. 430-110.000.
- Otsu, Ichiro; Kanno, Sueo; Sato, Sinichi; and Kondo, Tetsuya, to Hodogaya Chemical Co., Ltd. Process for producing 2,6-dichlorobenzyl alcohol. 4,822,924, 4-18-89, Cl. 568-812.000.
- Otsu, Takayuki: *See—*
  - Murata, Yoshishige; Koinuma, Yasumi; Amaya, Naoyuki; Otsu, Takayuki; and Nisimura, Masafumi, 4,855,374, Cl. 526-261.000.
- Otsubo, Junichiro: *See—*
  - Nishitani, Shinji; Minamikawa, Junichi; Kano, Masanobu; Otsubo, Junichiro; and Manabe, Yoshiaki, 4,795,814, Cl. 546-249.000.
- Otsubo, Kazumi, to Honda Giken Kogyo Kabushiki Kaisha. Relative positional relation detecting system. 4,811,002, 3-7-89, Cl. 340-687.000.
- Otsubo, Kazumi, to Honda Giken Kogyo Kabushiki Kaisha. Gas damped deceleration switch. 4,885,439, 12-5-89, Cl. 200-61.45R.
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- Otsubo, Masayuki: *See—*
  - Maki, Kazuyoshi; Otsubo, Masayuki; and Uchida, Shizutaka, 4,860,161, Cl. 361-338.000.
- Otsubo, Mutsuyuki; and Mitsui, Yasuo, to Mitsubishi Denki Kabushiki Kaisha. Junction type field effect transistor with metallized oxide film. 4,801,987, 1-31-89, Cl. 357-22.000.
- Otsubo, Toru; Aiuchi, Susumu; Kamimura, Takashi; Noguchi, Minoru; and Fujii, Teru, to Hitachi, Ltd. Plasma processing method and apparatus for carrying out the same. 4,808,258, 2-28-89, Cl. 156-643.000.
- Otsubo, Toru: *See—*
  - Noguchi, Minori; Otsubo, Toru; and Aiuchi, Susumu, 4,840,487, Cl. 356-355.000.
- Otsubo, Tsuneyuki: *See—*
  - Kudo, Yasuhito; and Otsubo, Tsuneyuki. 4,810,997, Cl. 340-384.00E.
- Otsuga, Hisao: *See—*
  - Zenbayashi, Katsuaki; Otsuga, Hisao; Morinaga, Akio; Toyoshima, Osamu; and Shimokawa, Shinji, 4,882,470, Cl. 219-523.000.
- Otsuka Chemical Co., Ltd.: *See—*
  - Kobayashi, Kenji; Kaneko, Ichiro; Kobayashi, Masahiro; and Nakano, Shinji, 4,877,535, Cl. 210-701.000.
- Otsuka Foods Co., Ltd.: *See—*
  - Yamada, Tetsu, 4,863,749, Cl. 426-241.000.
- Otsuka, Fumio: *See—*
  - Hayashi, Mikio; and Otsuka, Fumio, 4,887,921, Cl. 400-196.100.
- Otsuka, Haruhiko: *See—*
  - Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe, Osamu, 4,821,531, Cl. 62-515.000.
- Otsuka Iron Works, Ltd.: *See—*
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
- Otsuka, Issei: *See—*
  - Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
- Otsuka, Junji, to Eagle Industry Co., Ltd. Mechanical seal. 4,795,167, 1-3-89, Cl. 277-25.000.
- Otsuka Kagaku Kabushiki Kaisha: *See—*
  - Kourai, Hiroki; and Yabuhara, Yoshio, 4,826,924, Cl. 525-331.300.
  - Kourai, Hiroki; and Yabuhara, Yoshio, 4,843,130, Cl. 525-331.300.
  - Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
  - Nakacho, Yoshifumi; Tada, Yuji; and Yamada, Sinichi, 4,840,856, Cl. 429-192.000.
  - Takao, Hisashi; Osaki, Norio; and Yasudomi, Norio, 4,840,957, Cl. 514-326.000.
  - Tori, Shigeru, 4,808,712, Cl. 540-229.000.
  - Tori, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.
  - Tori, Sigeru; Tanaka, Hideo; Sasaoka, Michio; and Shiroi, Takashi. 4,798,890, Cl. 540-358.000.
- Otsuka Kagaku Yakuhin Kabushiki Kaisha: *See—*
  - Tori, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,801,720, Cl. 540-358.000.
  - Tori, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,810,788, Cl. 540-358.000.
  - Tori, Sigeru; Uneyama, Kenji; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Shiroi, Takashi, 4,853,468, Cl. 540-215.000.
- Otsuka, Kanji: *See—*
  - Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, 4,846,573, Cl. 156-643.000.
- Otsuka, Katsumi, to Teibow Co., Ltd. Pen tip structure. 4,842,433, 6-27-89, Cl. 401-209.000.
- Otsuka, Katsumi: *See—*
  - Shimoishi, Tetsuo; Aoki, Yasuhiro; and Otsuka, Katsumi, 4,795,286, Cl. 401-209.000.
- Otsuka, Kazuhiko; and Nobiraki, Koji, to Nitta Industries Corporation. Device for golf practicing. 4,852,882, 8-1-89, Cl. 273-183.00B.
- Otsuka, Kazuhiko: *See—*
  - Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.
- Otsuka, Kenichi; and Nitta, Minoru, to Kawasaki Steel Corporation. Process for preparing spherical copper fine powder. 4,810,285, 3-7-89, Cl. 75-0.50B.
- Otsuka, Kenro: *See—*
  - Muraishi, Masakazu; Hashimoto, Akihiro; and Otsuka, Kenro, 4,848,795, Cl. 280-801.000.
- Otsuka, Kiichiro: *See—*
  - Kobayashi, Tsutomu; Otsuka, Kiichiro; Kubota, Eiji; and Kobayashi, Tatsuji, 4,818,863, Cl. 250-288.000.
- Otsuka Koki Kabushiki Kaisha: *See—*
  - Masuda, Satoru; and Ishigami, Hiroyuki, 4,872,548, Cl. 198-859.000.
- Otsuka, Mari: *See—*
  - Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
- Otsuka, Masahiko: *See—*
  - Ishimura, Hidekazu; Otsuka, Masahiko; Takahashi, Yasushi; and Ishikawa, Tadayoshi, 4,833,226, Cl. 528-45.000.
- Otsuka, Masasuke; Kuriyama, Sumio; and Maniwa, Hideyo, to Nippon Shiken Kogyo Co., Ltd. Interdental tooth cleaning appliance. 4,828,420, 5-9-89, Cl. 401-268.000.
- Otsuka, Nobauki: *See—*
  - Atsumi, Shigeru; Tanaka, Sumio; Saito, Shinji; and Otsuka, Nobauki, 4,879,689, Cl. 365-201.000.
- Otsuka, Nobuo; Thompson, Peter F.; and Wada, Seiji, to Mitsubishi Denki Kabushiki Kaisha. Air conditioning apparatus. 4,819,714, 4-11-89, Cl. 165-12.000.
- Otsuka, Nobuo; Igarashi, Hideo; and Thompson, Peter, to Mitsubishi Denki Kabushiki Kaisha. Air conditioning apparatus. 4,821,526, 4-18-89, Cl. 62-180.000.
- Otsuka, Nobuo: *See—*
  - Kobayashi, Toyohiro; Otsuka, Nobuo; Thompson, Peter; and Stratton, Larry J., 4,795,088, Cl. 236-49.000.
  - Kobayashi, Toyohiro; Otsuka, Nobuo; and Thompson, Peter, 4,811,897, Cl. 236-49.000.
- Otsuka Pharmaceutical Company, Limited: *See—*
  - Abiko, Atsushi; Fujioka, Takafumi; Nakagawa, Kazuyuki; and Kondo, Kazumi, 4,845,100, Cl. 514-253.000.
  - Adachi, Masakazu, 4,849,510, Cl. 530-395.000.
  - Banno, Kazuo; Fujioka, Takafumi; Oshiro, Yasuo; and Nakagawa, Kazuyuki, 4,824,840, Cl. 514-218.000.
  - Fujii, Setsuro; Kawamura, Hiroyuki; Kiyokawa, Hiroshi; and Yamada, Satoshi, 4,824,834, Cl. 514-246.000.
  - Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.
  - Fujii, Setsuro, 4,864,021, Cl. 536-23.000.
  - Miyazaki, Wasei; and Inoue, Yasuhiko, 4,873,261, Cl. 514-462.000.
  - Nishitani, Shinji; Minamikawa, Junichi; Kano, Masanobu; Otsubo, Junichiro; and Manabe, Yoshiaki, 4,795,814, Cl. 546-249.000.
  - Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshito; Shin, Sadahito; and Shima, Kenji, 4,837,170, Cl. 436-548.000.
  - Shinohara, Masanao; Kaise, Hirotsugu; Nakano, Yoshimasa; Izawa, Taketoshi; Oshiro, Yasuo; and Miyazaki, Wasei, 4,831,053, Cl. 514-462.000.
  - Tamada, Shigeharu; Fujioka, Takafumi; Ogawa, Hidenori; Teramoto, Shuji; and Kondo, Kazumi, 4,886,809, Cl. 514-312.000.
  - Uchida, Minoru; Morita, Seiji; Chihiro, Masatoshi; and Nakagawa, Kazuyuki, 4,880,815, Cl. 514-303.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,855,292, Cl. 514-312.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,874,764, Cl. 514-254.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,880,806, Cl. 514-249.000.
  - Yoshida, Mitsuaki; Sugano, Haruo; Shimizu, Fumio; and Imagawa, Kenichi, 4,804,746, Cl. 530-387.000.
- Otsuka Pharmaceutical Factory, Inc.: *See—*
  - Kanai, Kenichi; Goto, Kiyoto; and Hashimoto, Kinji, 4,868,183, Cl. 514-255.000.
  - Nakamura, Shizuo; Inoue, Makoto; Inai, Masatoshi; and Tsuda, Yoshiaki, 4,886,813, Cl. 514-326.000.
  - Tsuda, Yoshihiko; and Tsuda, Yoshiaki, 4,822,780, Cl. 514-119.000.
- Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, to Showa Aluminum Corporation. Apparatus for treating molten metal. 4,804,168, 2-14-89, Cl. 266-235.000.
- Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, to Showa Aluminum Corporation. Method of preparing high-purity metal and rotary cooling member for use in apparatus therefor. 4,854,968, 8-8-89, Cl. 75-63.000.
- Otsuka, Shigeo. Chloro-fluoro-carbon liquid jetting immersion cleaning apparatus. 4,867,186, 9-19-89, Cl. 134-111.000.
- Otsuka, Shinya: *See—*
  - Kawahara, Masayuki; Hotta, Hisashi; Watanabe, Toshiaki; and Otsuka, Shinya, 4,828,136, Cl. 220-270.000.
- Otsuka, Shoichi: *See—*
  - Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,811,098, Cl. 358-160.000.
  - Kurakake, Mitsuo; and Otsuka, Shoichi, 4,812,836, Cl. 340-724.000.
  - Kurakake, Mitsuo; and Otsuka, Shoichi, 4,829,454, Cl. 364-521.000.
  - Kurakake, Mitsuo; Miyashita, Hideo; and Otsuka, Shoichi, 4,837,487, Cl. 318-568.160.
  - Kurakake, Mitsuo; and Otsuka, Shoichi, 4,852,024, Cl. 364-521.000.
  - Kurakake, Mitsuo; Otsuka, Shoichi; and Muraoka, Yutaka, 4,890,100, Cl. 340-799.000.
- Otsuka, Tadashi: *See—*
  - Ichinokawa, Kazuo; Sato, Yoichi; and Otsuka, Tadashi, 4,810,838, Cl. 178-19.000.
- Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, to Shinagawa Refractories Co., Ltd. Clamping and fixing apparatus for a refractory-made plate for a slide gate valve for controlling a molten steel flow. 4,840,296, 6-20-89, Cl. 222-600.000.
- Otsuka, Tatsuo; Iwai, Ichiro; and Yamaguchi, Noboru, to Showa Aluminum Kabushiki Kaisha. Method for making corrosion resistance heat exchangers. 4,852,791, 8-1-89, Cl. 228-183.000.
- Otsuka, Tatsuo: *See—*
  - Tada, Kiyoshi; Tsukamoto, Kenji; and Otsuka, Tatsuo, 4,796,436, Cl. 428-629.000.

- Otsuka, Tatsuya: *See—*
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,855,292, Cl. 514-312.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,874,764, Cl. 514-254.000.
  - Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, 4,880,806, Cl. 514-249.000.
- Otsuka, Toshiyuki, to Meinan Machinery Works, Inc. Device for applying glue to a cut end of veneer sheet. 4,841,907, 6-27-89, Cl. 118-669.000.
- Otsuka, Yasuhiro: *See—*
  - Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, 4,813,768, Cl. 350-347.00R.
- Otsuka, Yasuji: *See—*
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
- Otsuka, Yoshio: *See—*
  - Ohzora, Takashi; Otsuka, Yoshio; and Hoshino, Kazuo, 4,808,275, Cl. 204-16.000.
- Otsuki, Akira, to Alpine Electronics, Inc. Idler gear cut-off mechanism for a cassette tape recorder. 4,805,044, 2-14-89, Cl. 360-105.000.
- Otsuki, Hajime, to Minolta Camera Kabushiki Kaisha. Reader-printer. 4,873,552, 10-10-89, Cl. 355-271.000.
- Otsuki, Hajime: *See—*
  - Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
  - Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
- Otsuki, Hiromi: *See—*
  - Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.
  - Inoue, Yoshiaki; Nomura, Yoshihisa; Ise, Kiyotaka; and Otsuki, Hiromi, 4,865,397, Cl. 303-110.000.
- Otsuki, Kuniyoshi: *See—*
  - Yoshimoto, Itsuro; and Otsuki, Kuniyoshi, 4,833,549, Cl. 360-191.000.
- Otsuki, Masaaki: *See—*
  - Satoh, Yoshiyuki; Kida, Shinji; Kimura, Hiroshi; and Otsuki, Masaaki, 4,828,739, Cl. 252-49.600.
- Otsuki, Shinnichirou, to Canon Kabushiki Kaisha. Coordinates input system to data transmitter. 4,881,608, 11-21-89, Cl. 178-18.000.
- Otsuki, Toshiaki, to Fanuc Ltd. Numerical control equipment. 4,870,595, 9-26-89, Cl. 364-474.230.
- Otsuki, Toshiaki: *See—*
  - Kawamura, Hideaki; and Otsuki, Toshiaki, 4,827,446, Cl. 364-900.000.
  - Kawamura, Hideaki; and Otsuki, Toshiaki, 4,837,684, Cl. 364-474.110.
  - Nakajima, Masato; Otsuki, Toshiaki; and Ikeda, Atsushi, 4,842,691, Cl. 162-158.000.
  - Shima, Atsushi; and Otsuki, Toshiaki, 4,831,542, Cl. 364-474.260.
- Otsuki, Yasuo; and Nakamura, Yoshio, to Furukawa Electric Co., Ltd., The. Method of manufacturing the substrate of GaAs compound semiconductor. 4,889,493, 12-26-89, Cl. 437-265.000.
- Otsuru, Masaaki: *See—*
  - Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, 4,820,801, Cl. 528-388.000.
- Otsuyama, Kohei: *See—*
  - Onishi, Katsumi; Oinaga, Yuji; and Otsuyama, Kohei, 4,802,113, Cl. 364-900.000.
- Ott, Anton: *See—*
  - Dach, Hans-Jurgen; and Ott, Anton, 4,817,462, Cl. 74-740.000.
- Ott, Bruce S.; Haus, Joseph; and Kohlhepp, Frederick F., to Carter-Wallace, Inc. Flea and tick infestation control composition containing chlorpyrifos and vinyl acetate/crotonic acid/vinyl neodecanoate copolymer. 4,808,615, 2-28-89, Cl. 514-89.000.
- Ott, Cynthia D.: *See—*
  - Ott, David M.; and Ott, Cynthia D., 4,853,970, Cl. 382-54.000.
- Ott, David M.; and Ott, Cynthia D., to Integrated Automation. Apparatus for processing digitized images. 4,853,970, 8-1-89, Cl. 382-54.000.
- Ott, David M.: *See—*
  - Walsh, John M.; and Ott, David M., 4,827,330, Cl. 358-280.000.
- Ott, Douglas E. Intrauterine fallopian tube ostial plug and surgical process. 4,834,091, 5-30-89, Cl. 128-303.100.
- Ott, Edward L.; Conway, Timothy F.; and Kubala, Thomas S., to Restaurant Technology, Inc. Pizza container. 4,883,195, 11-28-89, Cl. 220-339.000.
- Ott, George L.: *See—*
  - Peck, Lawrence B.; Buttke, Robert D.; Ott, George L.; and Cox, Jeffry A., 4,808,298, Cl. 208-212.000.
- Ott, Granville E.; and Johns, Ron H., to Texas Instruments Incorporated. Method and apparatus for correlating test information. 4,829,431, 5-9-89, Cl. 364-419.000.
- Ott, Gunther: *See—*
  - Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, 4,824,927, Cl. 528-88.000.
  - Dobbelstein, Arnold; Geist, Michael; Ott, Gunther; and Schon, Georg, 4,830,722, Cl. 204-181.700.
  - Geist, Michael; Ott, Gunther; Schon, Georg; Dobbelstein, Arnold; and Batzill, Wolfgang, 4,818,356, Cl. 204-181.100.
- Ott, Hans, to Sandoz Ltd. Purine derivatives, medicaments containing them and methods of treating cardiac insufficiencies and irregularities with them. 4,849,423, 7-18-89, Cl. 514-253.000.
- Ott, Hans: *See—*
  - Kipphan, Helmut; Jeschke, Willi; Ott, Hans; and Graf, Jean-Pierre, 4,856,903, Cl. 356-400.000.
- Ott, Helmut, to Herion-Werke KG. Control valve. 4,840,198, 6-20-89, Cl. 137-625.640.
- Ott, Holger: *See—*
  - Wagner, Hildebert; Zenk, Meinhart H.; and Ott, Holger, 4,857,512, Cl. 514-54.000.
- Ott, Jack J.: *See—*
  - Pyzik, Aleksander J.; Ott, Jack J.; and Jankowski, Scott J., 4,834,938, Cl. 419-6.000.
- Ott, Karl-Heinz: *See—*
  - Eichenauer, Herbert; Lindner, Christian; Ott, Karl-Heinz; Ott, Peter; and Hocker, Hartwig, 4,826,946, Cl. 528-14.000.
  - Eichenauer, Herbert; Buding, Hartmuth; Doring, Joachim; Casper, Rudolf; and Ott, Karl-Heinz, 4,857,591, Cl. 525-74.000.
  - Eichenauer, Herbert; Pischtschan, Alfred; and Ott, Karl-Heinz, 4,885,337, Cl. 525-75.000.
  - Fuhr, Karl; Muller, Friedemann; and Ott, Karl-Heinz, 4,837,276, Cl. 524-125.000.
  - Jansen, Ulrich; and Ott, Karl-Heinz, 4,851,450, Cl. 526-303.100.
  - Lindner, Christian; and Ott, Karl-Heinz, 4,859,744, Cl. 525-256.000.
  - Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Saling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, 4,873,289, Cl. 525-293.000.
  - Wittmann, Dieter; Kress, Hans-Jurgen; Ott, Karl-Heinz; and Lindner, Christian, 4,866,123, Cl. 525-67.000.
- Ott, Lester J.; and Midlang, Brian M., to Amana Refrigeration Inc. Refrigerator ice dispenser light with photosensitive switch. 4,851,662, 7-25-89, Cl. 250-214.0AL.
- Ott, Rudi; and Reith, Heribert, to Robert Bosch GmbH. Method and apparatus for continuously galvanizing flat workpieces, and especially printed circuit boards. 4,800,001, 1-24-89, Cl. 204-15.000.
- Ott, Ulrich: *See—*
  - Schneider, Manfred; Ott, Ulrich; Sieber, Alexander; and Zimmermann, Manfred, 4,859,728, Cl. 524-159.000.
- Ott, Victor J.: *See—*
  - Tsai, Albert G.; Westerman, John F.; and Ott, Victor J., 4,821,794, Cl. 165-104.170.
- Ott, Walter, to Schering Aktiengesellschaft. Stabilized alkaline gold bath for the electro-less deposition of gold. 4,838,937, 6-13-89, Cl. 106-1.230.
- Ott, Walter H.; Steinmeier, Roland; and Zurcher, Werner, to Harrier Inc. Method for mixing fuel with water, apparatus for carrying out the method and fuel-water mixture. 4,831,971, 5-23-89, Cl. 123-25.00A.
- Ott, William M., to Silor Optical of Florida, Inc. Optical lens carrier. 4,796,756, 1-10-89, Cl. 206-454.000.
- Ottar, Brynjulf: *See—*
  - Rey, Louis; Ottar, Brynjulf; and Lafon, Louis, 4,883,507, Cl. 55-97.000.
- Ottawa Truck Corporation: *See—*
  - Smith, Russell M.; and Peck, William J., 4,807,713, Cl. 180-89.140.
- Otteman, John H.: *See—*
  - Gray, William M.; and Otteman, John H., 4,853,689, Cl. 340-453.000.
- Ottemann, William C.; and Plagenhoef, James E., to Barient, Inc. Multi-pedestal winch system. 4,807,852, 2-28-89, Cl. 254-290.000.
- Ottenbrite, Raphael M., to United States of America, National Aeronautics and Space Administration. Bis[4-(3,4-dimethylenepyrrolidyl)phenyl]methane. 4,851,544, 7-25-89, Cl. 548-524.000.
- Ottengraf, Simon P. P., to Clair Tech B.V. Apparatus for biological treatment of waste gases. 4,806,148, 2-21-89, Cl. 55-223.000.
- Ottenheijm, Henricus C. J., to Stichting Katholieke Universiteit. Sparsomycin (SC-RS) compounds having antitumor activity, a process for their preparation and pharmaceutical compositions containing sparsomycin (SC-RS) compounds. 4,820,712, 4-11-89, Cl. 514-274.000.
- Ottensmeyer, F. Peter: *See—*
  - Egle, Wilhelm; Ottensmeyer, F. Peter; and Rilk, Albrecht, 4,812,652, Cl. 250-311.000.
- Otter Controls Limited: *See—*
  - Blackburn, Arthur M.; O'Neill, Robert A.; Foster, Terence J. C.; and White, Ian G., 4,829,280, Cl. 337-299.000.
- Otterbacher, Eric W., to Dow Chemical Company, The. Preparation of alpha-aminoalkylphenols. 4,843,160, 6-27-89, Cl. 544-398.000.
- Otterness, Ivan G., to Pfizer Inc. 3-substituted-2-oxindole-1-carboxamides as inhibitors of interleukin-1 biosynthesis. 4,861,794, 8-29-89, Cl. 514-414.000.
- Otterstedt, Jan-Erik: *See—*
  - Elvin, Frank J.; Otterstedt, Jan-Erik; and Yoo, Jin S., 4,800,185, Cl. 502-26.000.
- Otteson, Jack O., to Dana Corporation. Throttle control assembly for a vehicle speed control unit. 4,798,258, 1-17-89, Cl. 180-175.000.
- Otteson, Jack O. Ground anchoring stake. 4,831,798, 5-23-89, Cl. 52-153.000.
- Ottho, Ulf: *See—*
  - Rusu, Robert T.; O'Connor, David; Cadwallader, Walter; de Champlain, Michael; and Ottho, Ulf, 4,824,099, Cl. 272-33.00R.
- Ottinger, Dwight M. Animated figure. 4,803,796, 2-14-89, Cl. 40-414.000.
- Ottlinger, Ralph; Rengstl, Alfred; and Jira, Reinhard, to Wacker-Chemie GmbH. Process for preparing disproportionation products of dichloromethylsilane in the presence of a catalyst. 4,870,200, 9-26-89, Cl. 556-469.000.
- Otto, Alexander J., to Alcan International Limited. Ball bonding of aluminum bonding wire. 4,860,941, 8-29-89, Cl. 228-179.000.

- Otto, Alfred W.; Lehmann, Wolfgang; and Piontke, Henryk, to Bergische Stahl-Industrie. Axially split brake disk. 4,825,981, 5-2-89, Cl. 188-218.0XL.
- Otto, Bernard, to Mobil Oil Corporation. Air supply valve for seismic air gun. 4,852,071, 7-25-89, Cl. 367-144.000.
- Otto Bock Orthopadische Industrie Besitz - und Verwaltungs-KG: *See—*
  - Horvath, Eduard, 4,795,474, Cl. 623-27.000.
  - Horvath, Eduard, 4,854,428, Cl. 188-298.000.
- Otto Bock Orthopaedische Industrie Besitz- und Verwaltungs-Kommanditgesellschaft: *See—*
  - Gammer, Peter, 4,846,843, Cl. 623-57.000.
- Otto, Dennis L., to Timken Company, The. Compact seal. 4,799,808, 1-24-89, Cl. 384-481.000.
- Otto, Dennis L., to Timken Company, The. Flap seal for anti-friction bearings. 4,808,012, 2-28-89, Cl. 384-482.000.
- Otto, Dennis L., to Timken Company, The. Shielded seal assembly. 4,819,949, 4-11-89, Cl. 277-29.000.
- Otto, Detlev: *See—*
  - Tsinberg, Mikhail; and Otto, Detlev, 4,890,283, Cl. 370-84.000.
- Otto, Dieter; and Hertell, Siegfried, to Barmag AG. Internal gear pump. 4,813,853, 3-21-89, Cl. 417-295.000.
- Otto, Dieter: *See—*
  - Hertell, Siegfried; and Otto, Dieter, 4,850,814, Cl. 417-295.000.
- Otto, Donald R.: *See—*
  - O'Brien, Edward M.; and Otto, Donald R., 4,819,183, Cl. 364-509.000.
- Otto Dunkel GmbH, Fabrik fur Eletrotechnische Gerate: *See—*
  - Molitor, Paul-Rainer, 4,812,136, Cl. 439-589.000.
  - Molitor, Paul-Rainer; Neumann, Bernhard; and Jankowski, Meinrad, 4,867,709, Cl. 439-675.000.
- Otto, Edgar H. Cover member for rain gutters. 4,866,890, 9-19-89, Cl. 52-12.000.
- Otto Ficker AG: *See—*
  - Nolte, Bert; and Leonhardt, Siegfried, 4,879,862, Cl. 53-438.000.
- Otto, Friedrich, to A. Stephan u. Soehne GmbH & Co. Universal kitchen machine. 4,863,278, 9-5-89, Cl. 366-143.000.
- Otto, Friedrich, to A. Stephan u. Soehne GmbH & Co. Kitchen appliance. 4,878,627, 11-7-89, Cl. 241-199.120.
- Otto, Gerhard; Rohrbach, Manfred; and Leupold, Gerald, to C. Behrens AG. Cutting press. 4,797,531, 1-10-89, Cl. 219-121.670.
- Otto, Gunter, to Otto, Gunter; Lubbering, Johannes; and Reckendrees, Christian. Air wrench. 4,846,285, 7-11-89, Cl. 173-12.000.
- Otto Hansel GmbH: *See—*
  - Kaplan, Horst; and Grube, Gerhard, 4,874,076, Cl. 198-370.000.
  - Mergelsberg, Reinhard; de Vilchez, Jose ; Markwardt, Klaus; and Schluter, Jurgen, 4,867,999, Cl. 426-520.000.
- Otto, Herbert J.: *See—*
  - Austin, Richard L.; Otto, Herbert J.; and Jones, Frank L., 4,797,619, Cl. 324-409.000.
- Otto, Johann: *See—*
  - Brust, Hans-Detlef; and Otto, Johann, 4,812,748, Cl. 324-158.00R.
- Otto, Kenneth J., to Wickes Companies, Inc. Spark erosion system for reducing the height of a honeycomb seal. 4,825,029, 4-25-89, Cl. 219-69.190.
- Otto, Klaus; Moser, Thomas; Kippenberg, Horst; and Ross, Erich, to Siemens Aktiengesellschaft. Filled layer component made out of a monolithic ceramic body. 4,829,399, 5-9-89, Cl. 361-321.000.
- Otto, Klaus: *See—*
  - Kippenberg, Horst; Moser, Thomas; and Otto, Klaus, 4,889,760, Cl. 428-192.000.
  - Moser, Thomas; Otto, Klaus; Kippenberg, Horst; Ramler, Johann; and Unterlass, Josef, 4,797,780, Cl. 361-321.000.
- Otto, Nancy M., to Carrier Corporation. Low pressure refrigerant contaminant tester. 4,803,843, 2-14-89, Cl. 62-85.000.
- Otto, Nancy M., to Carrier Corporation. Infrared burner. 4,878,837, 11-7-89, Cl. 431-328.000.
- Otto, Oberdan W.: *See—*
  - Frazier, James F.; Otto, Oberdan W.; and Pasiecznik, John, Jr., 4,803,644, Cl. 364-559.000.
- Otto Oeko-Tech GmbH & Co KG: *See—*
  - Schweitzer, Stefan; Golde, Ernst; and Mathews, Waldemar, 4,846,852, Cl. 55-31.000.
- Otto, Vedon W., to General Dynamics Corporation. Nonquadrature correction circuit. 4,812,849, [illegible]-14-89, Cl. 342-194.000.
- Otto, Werner; Beese, Ulrich; and Schmidt, Martin. Disposable container. 4,877,150, 10-31-89, Cl. 220-304.000.
- Otto Zollinger, Inc.: *See—*
  - Zollinger, Otto, 4,807,829, Cl. 242-152.100.
  - Zollinger, Otto, 4,824,043, Cl. 242-149.000.
- Ottosson, Folke. Collapsible roll conveyor. 4,830,166, 5-16-89, Cl. 193-35.0TE.
- Ottow, Eckhard; Wiechert, Rudolf; Neef, Gunter; Beier, Sybille; Elger, Walter; and Henderson, David, to Schering Aktiengesellschaft. 11 β-(4-isopropenylphenyl)estra-4,9-dienes, their production, and pharmaceutical preparations containing same. 4,814,327, 3-21-89, Cl. 514-179.000.
- Ottow, Eckhard; Neef, Guenter; Rohde, Ralph; Wiechert, Rudolf; Beier, Sybille; Elger, Walter; and Henderson, David, to Schering Aktiengesellschaft. 11 Beta-N,N-dimethylaminophenyl-estradienes, their manufacture and pharmaceutical preparations containing them. 4,829,060, 5-9-89, Cl. 514-179.000.
- Ottow, Eckhard; Wiechert, Rudolf; Neef, Guenter; Bardenhagen, Juergen; Beier, Sybille; Elger, Walter; and Henderson, David, to Schering Aktiengesellschaft. 11β-alkynyl-estrenes and -estradienes, their production and pharmaceutical preparations containing them. 4,870,069, 9-26-89, Cl. 514-179.000.
- OTV (Omnium de Traitements et de Valorisation): *See—*
  - Bourbigot, Marie-Marguerite; and Faivre, Michel, 4,795,557, Cl. 210-221.200.
  - Desbos, Gilbert, 4,800,021, Cl. 210-605.000.
- Otvos, Laszlo : *See—*
  - Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
- Otzipka, Willi; Koltermann, Horst; Leipnitz, Michael; and Zeuge, Gunter, to U.S. Philips Corporation. Elongated phonograph pick-up head with snap-together construction. 4,802,081, 1-31-89, Cl. 369-136.000.
- Ou, Jan C. Extensible roof for automobile. 4,848,827, 7-18-89, Cl. 296-99.100.
- Ou, Sam A., to RS&B Safety Systems, Inc. Rupturable fluid pressure relief apparatus and manufacturing method. 4,795,051, 1-3-89, Cl. 220-89.00A.
- Ou-Yang, David T., to Minnesota Mining and Manufacturing Company. Synthetic liner capable of resisting chemical attack and high temperature. 4,818,577, 4-4-89, Cl. 428-36.500.
- Ouchi, Akihiko: *See—*
  - Yabe, Akira; Ouchi, Akihiko; Moriyama, Hiroshi; and Masuda, Etsuro, 4,875,986, Cl. 204-157.600.
- Ouchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, to Nippon Kokan Kabushiki Kaisha; and Nippon Mining Co., Ltd. Method for producing beta type titanium alloy materials having excellent strength and elongation. 4,799,975, 1-24-89, Cl. 148-12.70B.
- Ouchi, Hirobumi; Fujiwara, Ichiro; Matsuda, Hiroshi; Ito, Kazuhiro; and Nagatsuma, Kazuyuki, to Hitachi, Ltd. Optoelectronic device. 4,816,890, 3-28-89, Cl. 357-30.000.
- Ouchi, Junichi, to Alps Electric Co., Ltd. Optical coordinates inputting apparatus having switching means to operate y-axis light emitters when operation of the x-axis emitters outputs a coordinates signal. 4,841,141, 6-20-89, Cl. 250-221.000.
- Ouchi, Junichi; Sasaki, Hiroaki; and Hasagawa, Kazuo, to Alps Electric Co., Ltd. Touch panel having parallax compensation and intermediate coordinate determination. 4,845 346, 7-4-89, Cl. 250-221.000.
- Ouchi, Junichi: *See—*
  - Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, 4,859,840, Cl. 235-463.000.
  - Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,825,209, Cl. 340-825.720.
  - Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, 4,868,550, Cl. 340-712.000.
- Ouchi, Kiyohisa: *See—*
  - Shirakura, Osamu; Kojima, Hideo; Ouchi, Kiyohisa; and Ishimaru, Sueaki, 4,812,480, Cl. 514-557.000.
- Ouchi, Mitsuyuki, to Toyota Jidosha Kabushiki Kaisha. Differential controlling device for differential gear. 4,821,601, 4-18-89, Cl. 74-71.000.
- Ouchi, Mitsuyuki; and Aono, Kouichi, to Toyota Jidosha Kabushiki Kaisha. Differential control device. 4,841,808, 6-27-89, Cl. 74-710.500.
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- Ouchi, Tomonori; Wakamatsu, Otsuro; Kawanishi, Hiroshi; and Yasui, Masao, to Shimizu Construction Co., Ltd. Electronic blackboard and electronic blackboard system. 4,853,495, 8-1-89, Cl. 178-18.000.
- Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, to Hitachi, Ltd. Multi slice level signal circuit. 4,823,208, 4-18-89, Cl. 360-46.000.
- Ouchi, Yoshiaki: *See—*
  - Nikadio, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, 4,835,548, Cl. 346-76.0PH.
  - Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, 4,868,584, Cl. 346-76.0PH.
- Oude Alink, Bernardus A.: *See—*
  - Thompson, Neil E. S.; Redmore, Derek; Oude Alink, Bernardus A.; and Outlaw, Benjamin T., 4,843,176, Cl. 564-292.000.
- Oudenes, Jan, to Torcan Chemical Ltd. Process for preparing carboxyalkyl dipeptides. 4,808,741, 2-28-89, Cl. 556-418.000.
- Ouderkirk, Andrew J.; Dunn, Douglas S.; and Warner, Robert W., to Minnesota Mining and Manufacturing Company. Process for the surface modification of semicrystalline polymers. 4,822,451, 4-18-89, Cl. 156-643.000.
- Ouderkirk, Andrew J.; Dunn, Douglas S.; and Warner, Robert W., to Minnesota Mining and Manufacturing Company. Surface modification of semicrystalline polymers. 4,879,176, 11-7-89, Cl. 428-323.000.
- Ouderkirk, Andrew J.: *See—*
  - Yorkgitis, Elaine M.; Smith, Samuel; Ouderkirk, Andrew J.; and Dunn, Douglas S., 4,868,006, Cl. 427-53.100.
- Oudet, Claude, to Portescap. Single-stage, two-phase or four-phase synchronous electric motor. 4,823,040, 4-18-89, Cl. 310-268.000.
- Oudet, Claude; Drey, Gilbert; and Veignat, Norbert, to Portescap. Synchronous electric motor with magnetised rotor and method of manufacturing this motor. 4,866,323, 9-12-89, Cl. 310-269.000.
- Oue, Tatsuya: *See—*
  - Yamasaki, Akinori; Kuroda, Sigenori; and Oue, Tatsuya, 4,868,531, Cl. 335-216.000.

Oue, Yoshihiko: *See—*
Kohsaka, Hideo; and Oue, Yoshihiko, 4,827,020, Cl. 560-159.000.

Ouelette, Gloria. Colonic irrigator. 4,842,580, 6-27-89, Cl. 604-30.000.

Ouellet, George, to Force 4 Enterprises Inc. Sailboard simulator. 4,838,540, 6-13-89, Cl. 272-1.00B.

Ouellette, Gerry D.: *See—*
DeMello, Richard M.; Ham, Robert J.; Lang, Michael; Ouellette, Gerry D.; Slater, Andrea T.; and Trombley, Frederick W., III, 4,863,442, Cl. 604-282.000.

Ouellette, Thomas: *See—*
Frimmel, James J., Jr.; Ouellette, Thomas; Deglin, Richard N.; and Potter, Lester A., 4,829,514, Cl. 370-58.000.
Frimmel, James J., Jr.; Ouellette, Thomas; and Deglin, Richard N., 4,875,157, Cl. 364-200.000.
Ramsay, John; and Ouellette, Thomas, 4,864,605, Cl. 379-379.000.

Ouellette, William R.: *See—*
Lyons, Julie W.; Battrell, Charles F.; Ouellette, William R.; and Curro, John J., 4,846,821, Cl. 604-369.000.

Oueveau, Gerard; and Moulin, Jacques. Bone joint prosthesis. 4,822,369, 4-18-89, Cl. 623-22.000.

Ouevedo del Rio, Federico: *See—*
Daigle, Roland P.; Ouevedo del Rio, Federico; and Lopez, Javier O., 4,834,935, Cl. 376-292.000.

Ouhadi, Trazollah; Dehan, Louis; and Rossi, Marie L., to Colgate-Palmolive Company. Built liquid laundry detergent composition containing an alkaline earth metal or zinc salt of higher fatty acid liquefying agent and method of use. 4,839,084, 6-13-89, Cl. 252-174.210.

Ouhadi, Trazollah: *See—*
Broze, Guy; and Ouhadi, Trazollah, 4,800,035, Cl. 252-99.000.
Datta, Sudhin; and Ouhadi, Trazollah, 4,808,387, Cl. 423-265.000.
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Ouillon, Rene; and Langlois Roger, to Intertechnique. Two main piloted valves demand regulator for aviators. 4,856,507, 8-15-89, Cl. 128-204.260.

Oukami, Katutoshi: *See—*
Nakamura, Seishiro; Oukami, Katutoshi; and Asada, Masayuki, 4,889,833, Cl. 501-1.000.

Oullette, Lucille A.; and Scott, Stephen C. Biological freezing apparatus. 4,870,829, 10-3-89, Cl. 62-51.100.

Oura, Takeshi: *See—*
Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, 4,801,732, Cl. 560-40.000.

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Ouriel, Kenneth; Kirk, Karl D. (Skip), III; and Spranger, Douglas M. Two chambered autotransfuser device and method of use. 4,846,800, 7-11-89, Cl. 60.4-4.000.

Ourmazd, Abbas: *See—*
Bean, John C.; and Ourmazd, Abbas, 4,879,256, Cl. 437-131.000.

Oursler, Barry, to Williams Electronics Games, Inc. Pinball runway and scoring feature. 4,861,037, 8-29-89, Cl. 273-121.00D.

Oury, Robert, to Crouzet. Device for measuring the earth's magnetic field disturbed by anomalies. 4,806,865, 2-21-89, Cl. 324-301.000.

Oury, Robert F.; and Arndt, Charles J., to Rotec Industries. Concrete finishing machine. 4,822,210, 4-18-89, Cl. 404-106.000.

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Oushiden, Hideshi; and Matsumoto, Hiroshi, to Kabushiki Kaisha Toshiba. Charging control apparatus for image carrier. 4,816,871, 3-28-89, Cl. 355-3.0CH.

Oushiden, Hideshi; Imada, Norio; and Sambayashi, Takeshi, to Kabushiki Kaisha Toshiba. Microfilm reader-printer having an image fermation device. 4,821,067, 4-11-89, Cl. 355-14.00E.

Ousley, Frank B., II, to Sea Ray Boats, Inc. Shaft pressure ring and method for lubricating shaft log seals. 4,861,294, 8-29-89, Cl. 440-83.000.

Outaboundz USA Inc.: *See—*
Wheeler, Wesley T., 4,830,382, Cl. 273-411.000.

Outani, Hiroaki; and Inoue, Seiji, to Sanshin Kogyo Kabushiki Kaisha. Noise reducing device for marine propulsion. 4,887,692, 12-19-89, Cl. 181-235.000.

Outboard Marine Corporation: *See—*
Anglin, Willie R., 4,889,311, Cl. 249-68.000.
Bailey, Francis V., 4,854,369, Cl. 164-159.000.
Bailey, Frank V.; and Woodward, Lee A., 4,850,421, Cl. 164-203.000.
Baltz, Gene F.; and Belec, Glenn R., 4,800,856, Cl. 123-413.000.
Baltz, Gene F., 4,809,666, Cl. 123-516.000.
Baltz, Gene F.; and Zgorzelski, Geoffrey S., 4,825,821, Cl. 123-73.00A.
Baltz, Gene F.; and Hunt, Paul R., 4,870,392, Cl. 340-608.000.
Binversie, Gregory J.; Gerdes, Robert W.; and Macier, James E., 4,795,383, Cl. 440-89.000.
Bland, Gerald F.; and Freitag, Michael W., 4,863,406, Cl. 440-83.000.
Borst, Gaylord M.; and Olson, Jeffrey A., 4,865,002, Cl. 123-532.000.
Broughton, George L.; Rogers, Duane E.; and Mate, David W., 4,799,905, Cl. 440-89.000.
Burmeister, Scott N.; and McNeill, Steven R., 4,867,717, Cl. 440-86.000.
Cozine, Mark L.; Ferguson, David G.; Hansen, Loren F.; and Lamb, Mark E., 4,867,244, Cl. 172-22.000.
DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Neal, Louis R.; Oglesby, Verdun W.; and Woodard, Robert W., 4,829,846, Cl. 74-547.000.
Dogadko, Peter; and Remmers, Gregry M., 4,862,861, Cl. 123-599.000.
Donohue, James A., 4,862,857, Cl. 123-534.000.
Dretzka, Robert G., 4,820,210, Cl. 440-75.000.
DuBois, Chester G.; and Haman, David F., 4,831,979, Cl. 123-196.00M.
Friedle, Dennis J.; Kolb, Richard P.; and Lieb, M. Jeremy, 4,838,822, Cl. 440-86.000.
Friedle, Dennis J.; Kolb, Richard P.; and McLeod, Kenneth M., 4,880,403, Cl. 440-88.000.
Hansen, Loren F., 4,830,145, Cl. 184-64.000.
Hansen, Loren F.; Huber, Donald J., deceased; and Oliver, Joseph J., 4,878,802, Cl. 414-523.000.
Hansen, Loren F.; and Cozine, Mark L., 4,881,602, Cl. 172-22.000.
Hervat, John C.; Mondek, Matthew H.; Osborn, Harold L.; and Umek, Gregory M., 4,863,405, Cl. 440-53.000.
Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., 4,850,910, Cl. 440-75.000.
Higby, Jeffrey B.; McElroy, Kennedy K., Jr.; and Zorc, Philip A., 4,865,570, Cl. 440-86.000.
Higby, Jeffrey P.; McElroy, Kennedy K.; and Zorc, Philip A., 4,798,548, Cl. 440-78.000.
Holtermann, Theodore J.; and Hofmann, James L., 4,820,213, Cl. 440-88.000.
Kenik, Frank W.; Jensen, Ronald J.; Bayer, James J.; Allgeyer, David F.; McCarthy, Richard R.; and Miceli, Thomas A., 4,821,197, Cl. 364-468.000.
LaMontagne, Brad; Kotil, Elwood; and Collins, Bob, 4,827,864, Cl. 114-343.000.
Lassanske, George G., 4,831,820, Cl. 60-276.000.
Lathers, Michael W., 4,813,514, Cl. 182-97.000.
Lathers, Michael W., 4,879,962, Cl. 114-188.000.
Macier, James E.; Binversie, Gregory J.; Calamia, David C.; and Daniels, John M., 4,870,929, Cl. 123-78.00R.
Maier, Gerhard A.; Enlow, David L.; and Ng, Paul T., 4,852,536, Cl. 123-414.000.
McElroy, Kennedy K.; Higby, Jeffrey P.; and Zorc, Philip A., 4,820,212, Cl. 440-88.000.
McElroy, Kennedy K., Jr.; Higby, Jeffrey P.; and Zorc, Philip A., 4,861,295, Cl. 440-86.000.
McGowan, Philip J.; McNeill, Steven R.; Mondek, Matthew H.; and Mahnich, James A., 4,861,293, Cl. 440-76.000.
McNeill, Steven R.; Burmeister, Scott N.; Mondek, Matthew H.; and Whipple, Roger B., 4,863,290, Cl. 384-130.000.
Morse, Richard R.; and Seyerle, Carl E., 4,800,712, Cl. 56-202.000.
Mullin, Edmund P., Jr., 4,850,160, Cl. 52-82.000.
Poehlman, Arthur G., 4,835,965, Cl. 60-313.000.
Poehlman, Arthur G., 4,836,453, Cl. 239-408.000.
Remmers, Gregry M., 4,858,585, Cl. 123-602.000.
Seyerle, Carl E., 4,835,949, Cl. 56-10.800.
Towner, Stephen J.; and Turk, Robert L., 4,829,961, Cl. 123-413.000.
VanRens, Russell J., 4,872,637, Cl. 249-59.000.
VanRens, Russell J., 4,880,047, Cl. 164-45.000.
Wacker, Robert W., 4,862,607, Cl. 37-260.000.
White, I. M., 4,850,240, Cl. 74-500.500.
Winston, John H., 4,883,029, Cl. 123-193.00P.
Wlezien, Richard A., 4,861,296, Cl. 440-89.000.
Wood, LeRoy T., 4,853,160, Cl. 261-41.500.
Wooters, Eldon W., 4,867,289, Cl. 192-1.310.
Zapushek, John B.; and Wrona, Thomas, 4,844,650, Cl. 403-197.000.

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Vesterinen, Seppo, 4,831,651, Cl. 379-347.000.

Outerbridge, Howard K. G. Compressible bone staple. 4,852,558, 8-1-89, Cl. 128-92.0YF.

Outillage, Sam: *See—*
Heyraud, Georges, 4,864,841, Cl. 73-1.00C.

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Sauvan, Gerard, 4,798,218, Cl. 134-74.000.

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Leiponen, Matti O.; Erlamo, Seppo J.; Kujanpaa, Pentti K.; and Ylimaki, Olli E., 4,806,213, Cl. 204-12.000.
Mantymaki, Tarmo K., 4,818,289, Cl. 106-117.000.
Nyman, Bror G.; and Hummelstedt, Leif Erik I., 4,818,503, Cl. 423-10.000.
Rantanen, Mauri V., 4,876,870, Cl. 72-78.000.
Talonen, Timo T.; I Poijarvi, Jaakko T.; and Metsarinta, Maija-Leena, 4,861,577, Cl. 423-577.000.
Taskinen, Pekka M., 4,810,370, Cl. 209-155.000.
Tuovinen, Frans H., 4,818,290, Cl. 106-117.000.
von Alfthan, George C.; and Helanniemi, Jorma T., 4,876,902, Cl. 73-863.830.

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Rubinshtein, Bernard, 4,874,121, Cl. 226-74.000.

Outram, John R.: *See—*
Sayer, Christopher N. F.; and Outram, John R., 4,844,339, Cl. 239-5.000.

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O'Shaughnessy, Timothy G.; Spaur, Michael R.; and Ouyang, Kenneth W., 4,868,482, Cl. 323-313.000.
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Huc, Christian, 4,822,628, Cl. 426-274.000.

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Oval Engineering Co., Ltd.: *See—*
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Oven Systems, Inc.: *See—*
Emery, Michael F., 4,827,853, Cl. 110-223.000.

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Overbay, Mark A., to Combustion Engineering, Inc. Method of removing plugs. 4,800,637, 1-31-89, Cl. 29-157.400.

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Overcash, Charalotta A.; and Spector, George. Shampoo lounge chair. 4,841,584, 6-27-89, Cl. 4-519.000.

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Groothoff, Adriaan J.; Sluyterman, Albertus A. S.; Overdijk, Dik R.; and Van Maastricht, Jacob, 4,823,460, Cl. 29-605.000.

Overeljnder, Hans: *See—*
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Overfield, Robert E., to Exxon Research and Engineering Company. Chromatographic analysis of hydrocarbons. 4,865,746, 9-12-89, Cl. 210-656.000.

Overgaard, Arvid, to Norfab A/S. Apparatus for tearing up and stoking bales of straw material and for stoking other kinds of solid fuel. 4,796,544, 1-10-89, Cl. 110-196.000.

Overhauser, Albert W.; and Maserjian, Joseph, to California Institute of Technology. Hydrogen-stabilized semiconductor devices. 4,857,976, 8-15-89, Cl. 357-23.100.

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Overman Enterprises Inc.: *See—*
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Overmeer, Robert T.: *See—*
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Overmyer, Steven A.: *See—*
Batz, James E.; Martell, Dennis J.; and Overmyer, Steven A., 4,839,642, Cl. 340-825.540.

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Guha, Subhendu; Yang, Chi-Chung; and Ovshinsky, Stanford R., 4,816,082, Cl. 136-249.000.
Johnson, Robert R.; and Ovshinsky, Stanford R., 4,818,717, Cl. 437-52.000.
Pryor, Roger W.; Formigoni, Napoleon P.; and Ovshinsky, Stanford R., 4,809,044, Cl. 357-2.000.
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Owada, Kazuo: *See—*
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Owada, Susumu; Kamegamori, Masayuki; and Kosugi, Akira, to Konishiroku Photo Industry Co., Ltd. Recording apparatus. 4,841,330, 6-20-89, Cl. 355-245.000.
Owades, Joseph L. Method of making salt-free pickles. 4,828,848, 5-9-89, Cl. 426-49.000.
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Owades, Joseph L. Process for producing a malt beverage having improved foaming properties and product produced therefrom. 4,882,186, 11-21-89, Cl. 426-329.000.
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Owen, Alex F., to GTE Products Corporation. Dust cover for printed circuit board card connector. 4,795,354, 1-3-89, Cl. 439-137.000.
Owen, Alex F., to GTE Products Corporation. Daughter board stabilizer for rotary cam ZIF edge card connector. 4,846,730, 7-11-89, Cl. 439-260.000.
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Owen, Dave L.; and Jahn, Robert E., to W. R. Grace & Co.-Conn. Film folding device. 4,796,405, 1-10-89, Cl. 53-222.000.
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Owen, David P., to Marconi Instruments Limited. Electrical apparatus. 4,795,970, 1-3-89, Cl. 324-77.00R.
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Owen, Donald W., to Southwest Electric Company. Apparatus and method for balancing electrical currents in a multiple-phase system. 4,868,481, 9-19-89, Cl. 323-253.000.
Owen, Geraint, to Hewlett-Packard Company. Method and apparatus for hybrid I.C. lithography. 4,812,661, 3-14-89, Cl. 250-491.100.
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Owen, Harrold D., to Owen Oil Tools, Inc. Detonating cord safety transport system. 4,817,787, 4-4-89, Cl. 206-3.000.
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Owen, Hartley; and Tabak, Samuel A., to Mobil Oil Corporation. Integrated production of gasoline from light olefins in a fluid cracking process plant. 4,831,203, 5-16-89, Cl. 585-519.000.
Owen, Hartley; Hsia, Chung H.; and Wright, Bernard S., to Mobil Oil Corporation. Olefin fractionation and catalytic conversion system. 4,832,920, 5-23-89, Cl. 422-190.000.
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- Oyama, Noboru; Shimomura, Takeshi; and Yamaguchi, Shuichiro, to Terumo Corporation. Ion-sensitive FET sensor. 4,816,118, 3-28-89, Cl. 204-418.000.
- Oyama, Noriyoshi: *See—*
  - Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,811,320, Cl. 369-45.000.
  - Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,845,699, Cl. 369-45.000.
- Oyama, Sakan; and Omori, Koji, to Kabushiki Kaisha Toshiba. Electromagnetic coil drive device. 4,878,147, 10-31-89, Cl. 361-154.000.
- Oyama, Shigeo T.: *See—*
  - Boudart, Michel; Oyama, Shigeo T.; and Volpe, Leo, 4,851,206, Cl. 423-409.000.
- Oyama, Shiro: *See—*
  - Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shiro; and Takei, Yasuharu, 4,874,787, Cl. 514-531.125.
- Oyama, Takuji; Suzuki, Koichi; and Mizuhashi, Mamoru, to Asahi Glass Company Ltd. Transparent laminated product. 4,859,532, 8-22-89, Cl. 428-336.000.
- Oyama, Takuji: *See—*
  - Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojima, Hiroyasu, 4,885,068, Cl. 204-192.110.
- Oyama, Tsukasa: *See—*
  - Takuma, Keisuke; Kuroda, Sizuo; Oyama, Tsukasa; and Aiga, Hiroshi, 4,883,611, Cl. 552-235.000.
- Oyama, Yasuharu: *See—*
  - Sano, Shoichi; Furukawa, Yoshimi; Ogura, Masami; Abe, Masaru; and Oyama, Yasuharu, 4,881,748, Cl. 280-91.000.
- Oyama, Yasuhiko: *See—*
  - Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, 4,883,734, Cl. 430-109.000.
- Oyama, Yasuo: *See—*
  - Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
- Oyama, Yasushi: *See—*
  - Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
- Oyama, Yoichi: *See—*
  - Tachi, Kazuyuki; Okuda, Chikaaki; Yamada, Katsunori; Oyama, Yoichi; and Suzuki, Shoichi, 4,798,335, Cl. 239-296.000.
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- Oyama, Yoshishige: *See—*
  - Kuroiwa, Hiroshi; Oyama, Yoshishige; and Nogi, Toshiharu, 4,887,574, Cl. 123-425.000.
  - Nogi, Toshiharu; Yamauchi, Teruo; and Oyama, Yoshishige, 4,865,006, Cl. 123-590.000.
  - Ohsuga, Minoru; and Oyama, Yoshishige, 4,814,045, Cl. 204-1.00T.
  - Osuga, Minoru; and Oyama, Yoshishige, 4,825,838, Cl. 123-489.000.
  - Suzuki, Seikoo; Miki, Masayuki; Sasayama, Takao; Osuga, Minoru; and Oyama, Yoshishige, 4,882,030, Cl. 204-406.000.
- Oyamada, Akira: *See—*
  - Tsuchida, Hirofumi; Tanaka, Toshiaki; Oyamada, Akira; and Hirao, Sumio, 4,875,444, Cl. 123-270.000.
- Oyamada, Kenji: *See—*
  - Matsuura, Kotaro; and Oyamada, Kenji, 4,795,514, Cl. 156-153.000.
- Oyamada, Kimiyuki; and Utsumi, Yozo, to Nippon Hoso Kyokai. Optical coupling device. 4,807,954, 2-28-89, Cl. 350-96.150.
- Oyamada, Koichi: *See—*
  - Murofushi, Toshiaki; Ohya, Yasuhiro; Nakazawa, Hiroshi; and Oyamada, Koichi, 4,837,100, Cl. 430-106.600.
  - Murofushi, Toshiaki; Nakazawa, Hiroshi; Oyamada, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; and Ohya, Yasuhiro, 4,880,719, Cl. 430-106.600.
- Oyamada, Takashi, to NEC Corporation. Means for mounting a ROM on a printed circuit board. 4,812,950, 3-14-89, Cl. 361-395.000.
- Oyamada, Takashi, to NEC Corporation. Pager receiver including a light emitting and a light sensing element adjacent to a translucent portion of a receiver housing. 4,876,537, 10-24-89, Cl. 340-825.440.
- Oyamada, Takashi, to NEC Corporation. Housing and holder assembly for a portable communication apparatus. 4,881,150, 11-14-89, Cl. 361-392.000.
- Oyamada, Takashi: *See—*
  - Matsumoto, Takeshi; Oyamada, Takashi; and Hayasaka, Sigeki, 4,879,759, Cl. 455-348.000.
- Oyamada, Takeo: *See—*
  - Watanabe, Katsuyoshi; Miyaoka, Takashi; and Oyamada, Takeo, 4,847,143, Cl. 428-288.000.

Oyanagi, Reinosuke; and Tanaka, Hazime, to Fuji Koki Manufacturing Co., Ltd. Method for controlling refrigerating system. 4,835,980, 6-6-89, Cl. 62-212.000.

Oyanagi, Shigeru; Fujita, Sumikazu; and Nakamura, Sadao, to Kabushiki Kaisha Toshiba. Semantic network machine for artificial intelligence computer. 4,815,005, 3-21-89, Cl. 364-513.000.

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Mori, Takaaki; Higuchi, Kinichi; Oyauchi, Tsukasa; Nitanda, Masao; Hosoi, Kohei; Imai, Isao; Kato, Heiji; and Ichikawa, Mitsuhiko, 4,837,906, Cl. 29-112.000.

Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., to American Telephone & Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Multi-channel memory access circuit. 4,805,094, 2-14-89, Cl. 364-200.000.

Oye, Kevin J.; Paterno, Enzo; and Smith, Thomas L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Integrated switching system and announcement circuit. 4,817,086, 3-28-89, Cl. 370-85.000.

Oyobe, Kazuo: *See—*

Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.

Oza, Bharat J.: *See—*

Arlington, David L.; Cole, Jacqueline M.; Hazelzet, Bruce G.; Krolak, David J.; Li, Hehching H.; Oza, Bharat J.; and Weaver, A. Frank, 4,888,773, Cl. 371-40.200.

Oza, Rajshekhar D., to General Motors Corporation. Monolithic catalytic converter with improved gas distribution. 4,797,263, 1-10-89, Cl. 422-176.000.

Ozagir, Ozcan; and Proffitt, Raymond, to Celmac Limited. Door lock with extra release. 4,861,084, 8-29-89, Cl. 292-359.000.

Ozagir, Ozcan; and Proffitt, Raymond, to Celmac Limited. Door and handle assembly. 4,884,834, 12-5-89, Cl. 292-350.000.

Ozaki, Akio; Katsumata, Ryoichi; and Oka, Tetsuo, to Kyowa Hakko Kogyo Co., Ltd. Process for producing tryptophan. 4,874,698, 10-17-89, Cl. 435-108.000.

Ozaki, Haruo, to Emtec Co., Ltd.; and Daito Shozi Co., Ltd. Grinding method and apparatus of orientation flat. 4,864,779, 9-12-89, Cl. 51-283.00E.

Ozaki, Hideharu, to NEC Corporation. Logic integrated circuit for scan path system. 4,876,704, 10-24-89, Cl. 377-70.000.

Ozaki, Hidetaka: *See—*

Maeno, Seiji; Ozaki, Hidetaka; and Yamada, Hisashi, 4,830,779, Cl. 252-512.000.

Ozaki, Hidetoshi, to Victor Company of Japan, Ltd. Video signal processing circuit. 4,853,783, 8-1-89, Cl. 358-162.000.

Ozaki, Hideyuki; Hirayama, Kazutoshi; Fujishima, Kazuyasu; and Hidaka, Hideto, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device. 4,808,844, 2-28-89, Cl. 307-243.000.

Ozaki, Hideyuki: *See—*

Hidaka, Hideto; Fujishima, Kazuyasu; Ozaki, Hideyuki; and Hirayama, Kazutoshi, 4,835,743, Cl. 365-193.000.

Hirayama, Kazutoshi; Ozaki, Hideyuki; Fujishima, Kazuyasu; and Hidaka, Hideto, 4,833,650, Cl. 365-225.700.

Ozaki, Hirofumi: *See—*

Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi; and Yamashita, Yuji, 4,860,056, Cl. 355-298.000.

Ozaki, Hiroshi; and Ikebe, Kouichi, to Mitsubishi Denki Kabushiki Kaisha. Objective lens drive device. 4,796,248, 1-3-89, Cl. 369-45.000.

Ozaki, Hiroshi: *See—*

Tamada, Masuo; Kokuryo, Hitoshi; Tamura, Shinsuke; and Ozaki, Hiroshi, 4,879,645, Cl. 364-200.000.

Ozaki, Hiroyuki; and Kawata, Ken, to Fuji Photo Film Co., Ltd. Heat-developable light-sensitive material. 4,876,184, 10-24-89, Cl. 430-607.000.

Ozaki, Hiroyuki: *See—*

Naito, Hideki; and Ozaki, Hiroyuki, 4,814,254, Cl. 430-203.000.

Naito, Hideki; and Ozaki, Hiroyuki, 4,816,363, Cl. 430-69.000.

Ozaki, Hisateru: *See—*

Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.

Ozaki, Ikuo: *See—*

Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.

Ozaki, Katsuhiko: *See—*

Kumasaka, Taiichi; Hirano, Yasuyuki; Ozaki, Katsuhiko; and Sawada, Koichi, 4,799,416, Cl. 83-397.000.

Ozaki, Katsunori: *See—*

Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137-143.000.

Ozaki, Kazuaki: *See—*

Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, 4,887,349, Cl. 29-623.500.

Ozaki, Kazuhisa: *See—*

Miura, Masakatsu; and Ozaki, Kazuhisa, 4,848,177, Cl. 74-467.000.

Ozaki, Kazuo: *See—*

Yabe, Toshinori; and Ozaki, Kazuo, 4,877,477, Cl. 156-406.400.

Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mineo; Murakami, Kanji; and Wajima, Motoyo, to Hitachi, Ltd. Photo-curable resist resin composition for electroless plating, process for preparing a printed circuit board with the said resist resin composition and a printed circuit board having resist prepared from the said resist resin composition. 4,820,549, 4-11-89, Cl. 427-98.000.

Ozaki, Kunimitsu: *See—*

Bennett, Robert P.; and Ozaki, Kunimitsu, 4,880,954, Cl. 219-10.55M.

Ozaki, Masaharu; and Yonehara, Takao, to Canon Kabushiki Kaisha. Semiconductor memory device. 4,800,527, 1-24-89, Cl. 365-182.000.

Ozaki, Masaharu: *See—*

Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Makoto, 4,831,454, Cl. 358-213.310.

Ozaki, Masakuni: *See—*

Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, 4,843,070, Cl. 514-210.000.

Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, 4,882,328, Cl. 514-236.200.

Ozaki, Masaru: *See—*

Ona, Isao; and Ozaki, Masaru, 4,857,212, Cl. 252-8.600.

Ozaki, Minoru: *See—*

Matsuda, Fumio; and Ozaki, Minoru, 4,858,235, Cl. 371-38.000.

Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,300, Cl. 341-94.000.

Ozaki, Nozomu: *See—*

Miida, Takashi; and Ozaki, Nozomu, 4,833,636, Cl. 364-819.000.

Miida, Takashi; Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, 4,849,619, Cl. 250-201.000.

Ozaki, Risuke, to O. Key Printed Wiring Co., Ltd. Method of manufacturing printed circuit boards. 4,817,280, 4-4-89, Cl. 29-846.000.

Ozaki, Risuke, to O. Key Printed Wiring Co., Ltd. Method of manufacturing printed circuit boards. 4,882,000, 11-21-89, Cl. 156-239.000.

Ozaki, Ryoji; Shinohara, Hisaji; Yamamoto, Hironobu; Nara, Takashi; and Yoshida, Hajime, to Fuji Electric Co., Ltd.; and Tokuriki Honten Co., Ltd. Silver/metal oxide material for electrical contacts and method of producing the same. 4,808,223, 2-28-89, Cl. 75-235.000.

Ozaki, Sei; Inoue, Satoru; and Futamura, Shoji, to NGK Insulators, Ltd. Die for extruding honeycomb structural bodies. 4,883,42 11-28-89, Cl. 425-464.000.

Ozaki, Shigeo: *See—*

Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasu 4,843,432, Cl. 355-41.000.

Ozaki, Shinya; Fukami, Tadashi; and Odaka, Kentaro, to Sony Corporation. Method and apparatus for detecting a control signal 4,837,640, 6-6-89, Cl. 360-27.000.

Ozaki, Shinya, to Sony Corporation. Error correction method using Reed-Solomon code. 4,852,099, 7-25-89, Cl. 371-37.000.

Ozaki, Shinya: *See—*

Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,799,221, Cl. 371-38.000.

Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,802,172, Cl. 371-38.000.

Fukami, Tadashi; Ozaki, Shinya; and Odaka, Kentaro, 4,812,904, Cl. 360-32.000.

Inazawa, Yoshizumi; Yamada, Masaki; Ishibashi, Hiroshi; and Ozaki, Shinya, 4,873,589, Cl. 360-53.000.

Odaka, Kentaro; Fukami, Tadashi; and Ozaki, Shinya, 4,875,111, Cl. 360-64.000.

Ozaki, Tadahiko, to Murakami Kaimeido Co., Ltd. Device for holding a mirror element for rearview mirror. 4,867,408, 9-19-89, Cl. 248-483.000.

Ozaki, Tadashi: *See—*

Saito, Yasuo; Ozaki, Tadashi; and Masuda, Isao, 4,838,116, Cl. 74-595.000.

Ozaki, Tadayuki, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Vehicle suction system. 4,889,081, 12-26-89, Cl. 123-52.00M.

Ozaki, Takayuki: *See—*

Itoh, Hideaki; and Ozaki, Takayuki, 4,860,282, Cl. 370-55.000.

Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; Ozaki, Takayuki; and Ojima, Nobutoshi, 4,859,767, Cl. 536-17.400.

Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, 4,831,055, Cl. 514-539.000.

Ozaki: Tatsuo: *See—*

Nishiyama, Masanobu; Nishimura, Haruo; Nakano, Katsuji; Ozaki, Tatsuo; and Kitamoto, Akira, 4,856,854, Cl. 312-38.000.

Ozaki, Thomas, to GTE Communication Systems Corporation. Process for making close tolerance thick film resistors. 4,796,356, 1-10-89, Cl. 29-620.000.

Ozaki, Toshifumi: *See—*

Akimoto, Hajime; Ozaki, Toshifumi; and Ohba, Shinya, 4,809,075, Cl. 358-213.180.

Akimoto, Hajime; Ando, Harushisa; Ozaki, Toshifumi; Ono, Hideyuki; Ohba, Shinya; Nakai, Masaaki; and Koike, Norio, 4,814,848, Cl. 357-24.000.

Ando, Haruhisa; Nakai, Masaaki; Ono, Hideyuki; Ozaki, Toshifumi; Ohba, Shinya; and Koike, Norio, 4,862,487, Cl. 377-58.000.

Ozaki, Yasuhiko: *See—*

Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, 4,857,543, Cl. 314-444.000.

Ozaki, Yohoji, to Nippon Tansan Gas Co., Ltd. High pressure gas cartridges with a double safety device. 4,832,224, 5-23-89, Cl. 220-89.00A.

Ozaki, Yoichi; Yukawa, Shinjiro; Ide, Takanobu; and Tsuji, Masami, to Nissan Motor Co., Ltd. Power unit mounting structure. 4,809,799, 3-7-89, Cl. 180-292.000.

Ozaki, Yoshihide: *See—*

Ohno, Ken; Yoshimoto, Mitsuo; and Ozaki, Yoshihide, 4,806,422, Cl. 428-336.000.

Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomoda, Toshimasa; Sato, Fumihide; and Kusano, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Method of imaging an object by ultrasonic or electromagnetic waves. 4,841,489, 6-20-89, Cl. 367-7.000.

Ozaki, Yukio: *See—*

Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, 4,888,344, Cl. 514-210.000.

Ozaku, Minoru: *See—*

Koruka, Tadashi; Ozaku, Minoru; Yamamoto, Yuji; and Ando, Yoichi, 4,843,986, Cl. 112-163.000.

Ozalid Corp.: *See—*

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Ozari, Yehuda: *See—*

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Ozarski, Robert G.: *See—*

Myers, David W.; Ozarski, Robert G.; Perera, Thiloma I.; Schipper, John F.; Tan, Raul V.; and Watts, Michael P. C., 4,857,738, Cl. 250-372.000.

Watts, Michael P. C.; Perera, Thiloma I.; Myers, David W.; Ozarski, Robert G.; Schipper, John F.; and Tan, Raul V., 4,874,240, Cl. 356-73.000.

Ozasa, Susumu: *See—*

Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, 4,801,847, Cl. 315-5.410.

Ozasa, Toshihiro: *See—*

Kozuka, Kazuhiro; Ozasa, Toshihiro; Takahashi, Hideaki; and Kondo, Haruyoshi, 4,869,094, Cl. 73-2.600.

Ozawa, Akira; Kousaka, Tomomi; Suzuki, Hideo; and Murakami, Masatoshi, to Honda Giken Kogyo Kabushiki Kaisha. Tool changer. 4,884,332, 12-5-89, Cl. 29-568.000.

Ozawa, Akira: *See—*

Okada, Eiichi; Ozawa, Akira; Kousaka, Tomomi; and Ohba, Hirokazu, 4,888,865, Cl. 29-568.000.

Ozawa, Hiromi, to Fuji Electric Company Ltd. Head position control system. 4,809,120, 2-28-89, Cl. 360-78.140.

Ozawa, Hiroshi: *See—*

Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, 4,798,781, Cl. 430-270.000.

Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.

Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.

Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,189, Cl. 514-274.000.

Ooka, Masataka; Kuwamura, Shinichi; and Ozawa, Hiroshi, 4,818,790, Cl. 525-103.000.

Ozawa, Jun; Shindo, Katsuji; Takeuchi Shigetaka; and Suzuki, Goro, to Hitachi, Ltd. Grounding tank type arrester. 4,814,936, 3-21-89, Cl. 361-127.000.

Ozawa, Kazuhisa: *See—*

Mogi, Hiroyuki; and Ozawa, Kazuhisa, 4,799,897, Cl. 439-264.000.

Mogi, Hiroyuki; and Ozawa, Kazuhisa, 4,872,850, Cl. 439-264.000.

Ozawa, Kazuhito, to Sharp Kabushiki Kaisha. Method of connecting electronic element to base plate. 4,814,040, 3-21-89, Cl. 156-634.000.

Ozawa, Kazunori; and Araseki, Takashi, to NEC Corporation. Low bit-rate pattern encoding and decoding capable of reducing an information transmission rate. 4,821,324, 4-11-89, Cl. 381-31.000.

Ozawa, Kazuo: *See—*

Tateno, Shigeru; and Ozawa, Kazuo, 4,846,419, Cl. 242-71.800.

Ozawa, Kazuyuki; and Watanabe, Akira, to Mitsubishi Denki Kabushiki Kaisha. Method of restoring transmission line. 4,847,610, 7-11-89, Cl. 340-825.160.

Ozawa, Ken, to Ozawa R & D., Inc. Variable displacement diaphragm pump. 4,856,966, 8-15-89, Cl. 417-214.000.

Ozawa, Koichi, to Toshiba Kikai Kabushiki Kaisha. Injection molding apparatus with alternately moved metal molds. 4,810,181, 3-7-89, Cl. 425-190.000.

Ozawa, Koji; Araoka, Manabu; and Takaya, Soichi, to Hitachi, Ltd. Address translation circuit including two translation buffers. 4,849,876, 7-18-89, Cl. 364-200.000.

Ozawa, Kunitaka: *See—*

Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, 4,866,532, Cl. 358-443.000.

Haruta, Masahiro; Ozawa, Kunitaka; and Hamamoto, Takashi, 4,802,989, Cl. 210-688.000.

Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.

Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.

Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, to Canon Kabushiki Kaisha. Recorder having record medium feed and press rollers and lockable means for urging the press rollers to and from the feed roller. 4,884,085, 11-28-89, Cl. 346-136.000.

Ozawa, Masaki; Hosaka, Toshiyuki; and Yoshizawa, Masayuki, to Shiojiri Kogyo Kabushiki Kaisha; and Kabushiki Kaisha Suwa Seikosha. Electronic Thermometer. 4,838,707, 6-13-89, Cl. 374-171.000.

Ozawa, Masato, to Tokyo Juki Industrial Co., Ltd. Apparatus for terminating the last stitch at a predetermined point. 4,858,541, 8-22-89, Cl. 112-121.110.

Ozawa, Masayuki, to Mitsubishi Denki Kabushiki Kaisha. Ignition timing control apparatus for an internal combustion engine. 4,856,489, 8-15-89, Cl. 123-643.000.

Ozawa, Masayuki, to Mitsubishi Denki Kabushiki Kaisha. Ignition circuit for internal combustion engine. 4,872,441, 10-10-89, Cl. 123-651.000.

Ozawa, Mitsuzo: *See—*

Kanagawa, Yutaka; Ishizaki, Kanjiro; and Ozawa, Mitsuzo, 4,851,155, Cl. 252-628.000.

Ozawa, Naohiro; Gotoh, Toshihiko; and Shoji, Junichi, to Hitachi, Ltd. Thermal ink-transfer printer provided with jam detecting device. 4,834,563, 5-30-89, Cl. 400-120.000.

Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, to Hitachi, Ltd. Signal processing apparatus for use with a single chip solid-state color camera. 4,884,129, 11-28-89, Cl. 358-44.000.

Ozawa, Naoki: *See—*

Akiyama, Toshiyuki; Ozawa, Naoki; Ogino, Takeshi; and Takahashi, Kenji, 4,805,025, Cl. 358-213.260.

Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.

Ozawa, Norio: *See—*

Takeoka, Yoshikatsu; Yasuda, Nobuaki; Hori, Akio; and Ozawa, Norio, 4,845,000, Cl. 430-14.000.

Ozawa, Osamu; and Kitami, Tetsu, to Yokohama Rubber Co., Ltd., The. Rubber compositions. 4,826,925, 5-2-89, Cl. 525-331.800.

Ozawa, Osamu: *See—*

Igarashi, Shigeru; and Ozawa, Osamu, 4,870,995, Cl. 138-126.000.

Ozawa R & D., Inc.: *See—*

Ozawa, Ken, 4,856,966, Cl. 417-214.000.

Ozawa, Saburo: *See—*

Shimura, Shiro; Iwase, Toshio; Sato, Munetaka; and Ozawa, Saburo, 4,816,158, Cl. 210-610.000.

Ozawa, Shigeo: *See—*

Doke, Hiroshi; Tuboi, Naruyoshi; Sasaki, Yoshihisa; and Ozawa, Shigeo, 4,795,025, Cl. 198-763.000.

Ozawa, Shinji: *See—*

Hattori, Shin; Takai, Makoto; Omori, Kazuhiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,795,752, Cl. 514-327.000.

Takai, Makoto; Omori, Kazuhiro; Kumonaka, Takahiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,859,673, Cl. 514-255.000.

Ozawa, Shogo: *See—*

Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, 4,811,891, Cl. 228-182.000.

Ozawa, Susumu: *See—*

Nakamura, Shunichi; Iimura, Kouichi; Nakamura, Kikuo; and Ozawa, Susumu, 4,840,290, Cl. 221-10.000.

Ozawa, Takashi, to Fuji Xerox Co., Ltd. Contact type image sensor. 4,797,571, 1-10-89, Cl. 307-311.000.

Ozawa, Takashi; Munakata, Ichiro; Takagi, Hiroaki; and Kozaki, Ryoichi, to Fujitsu Limited. Hybrid IC device. 4,827,328, 5-2-89, Cl. 357-80.000.

Ozawa, Takashi, and Kobayashi, Hidetoshi, to Fuji Photo Film Co., Ltd. Silver halide photographic materials comprising specific organic solvents. 4,874,688, 10-17-89, Cl. 430-546.000.

Ozawa, Takashi; Tanaka, Hitoshi; Goshima, Takahiro; and Takagi, Kozi, to Nippondenso Co., Ltd. Anti-skid braking control system for use on motor vehicle. 4,875,741, 10-24-89, Cl. 303-116.000.

Ozawa, Takashi, to Fuji Xerox Co., Ltd. Contact type image sensor with separate charge transfer device. 4,876,585, 10-24-89, Cl. 357-24.000.

Ozawa, Takashi: *See—*

Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.

Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.

Nobue, Mamoru; Ozawa, Takashi; Ito, Hisao; and Nishihara, Yoshio, 4,802,012, Cl. 358-213.180.

Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.

Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.

Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.

Ozawa, Takeo: *See—*

Nagashima, Ikuo; Fukui, Jun; Gotoh, Hiroshi; Kaneko, Hiroko; Nozaki, Ken; and Ozawa, Takeo, 4,814,241, Cl. 429-199.000.

Ozawa, Tetsuo: *See—*

Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Urashima, Hidetoshi, 4,840,640, Cl. 8-506.000.

Miura, Konoe, Ozawa, Tetsuo; Okumura, Seigo; and Kubo, Shinji, 4,841,057, Cl. 546-183.000.

Ozawa, Toshiaki: *See—*

Kondo, Hiroatsu; Ozawa, Toshiaki; Nakajima, Hiroharu; and Ueda, Hiroyuki, 4,865,476, Cl. 400-144.200.

Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,846,593, Cl. 400-157.300.

Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,880,325, Cl. 400-249.000.

Ozawa, Toshiro, to Ricoh Company, Ltd. Zoom lens. 4,854,683, 8-8-89, Cl. 350-427.000.

Ozawa, Tsutomu: *See—*

Sato, Takashi; Ozawa, Tsutomu; and Yamada, Toshio, 4,865,664, Cl. 148-403.000.

Ozawa, Yasuhiko: *See—*

Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, Cl. 128-653.000.

Ozawa, Yasuhiro: *See—*

Taki, Naohiro; and Ozawa, Yasuhiro, 4,880,340, Cl. 408-176.000.

Ozawa, Yoshimichi: *See—*

Kushimoto, Toshihiro; Ozawa, Yoshimichi; and Izawa, Nobuo, 4,818,808, Cl. 528-275.000.

Ozawa, Yoshio; Yamamoto, Takashi; Shigaki, Takao; and Kaneko, Rokusaburo, to Fuji Photo Film Co., Ltd. Focusing method for printer. 4,876,568, 10-24-89, Cl. 355-56.000.

Ozawa, Yoshio; and Shigaki, Takao, to Fuji Photo Film Co., Ltd. Device for conveying photographic paper for use in photograph printing apparatus. 4,886,352, 12-12-89, Cl. 355-28.000.

Ozbirn, Monica V.: *See—*

Goggans, Gary L.; Everhart, Cherie H.; Chester, Stephen O.; Frost, J. Eric; and Ozbirn, Monica V., 4,801,482, Cl. 428-68.000.

Ozdemir, Phillip. Method and apparatus for detecting a tracer gas using a single laser beam. 4,853,543, 8-1-89, Cl. 250-372.000.

Ozdemir, Phillip, to Skyborne Exploration Canada, Limited. Circulating raman-media laser radar method and apparatus for remote measurement of gases in the atmosphere. 4,870,275, 9-26-89, Cl. 250-574.000.

Ozeki, Akichika: *See—*

Mizukami, Hideaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.

Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.

Ozeki, Hirofumi: *See—*

Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi; and Yamamoto, Takashi, 4,874,727, Cl. 501-134.000.

Ozeki, Hiromi: *See—*

Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.

Ozeki, Jiro, to Slidex Corporation. Propulsion apparatus for a model of a flying object. 4,817,937, 4-4-89, Cl. 272-31.00R.

Ozeki, Jiro, to Slidex Corporation. Microscope. 4,836,667, 6-6-89, Cl. 350-531.000.

Ozeki, Jiro, to Slidex Corporation. Method and apparatus for simultaneously inserting laminar materials into a file sheet. 4,858,355, 8-22-89, Cl. 40-366.000.

Ozeki, Katsuhisa: *See—*

Saitou, Mitsuo; Urabe, Shigeharu; and Ozeki, Katsuhisa, 4,797,354, Cl. 430-567.000.

Ozeki, Kazuhiko, to Nippon Hoso Kyokai. Language processing method and apparatus. 4,805,100, 2-14-89, Cl. 364-419.000.

Ozeki, Kazuhiko: *See—*

Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.

Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, to Kabushiki Kaisha Toshiba. Image transmission apparatus. 4,833,535, 5-23-89, Cl. 358-135.000.

Ozeki, Masakatsu: *See—*

Iijima, Ikuo; Ozeki, Masakatsu; Okumura, Kunihito; and Inamasu, Masanori, 4,824,833, Cl. 514-230.500.

Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,829,067, Cl. 514-233.500.

Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,882,340, Cl. 514-320.000.

Ozeki, Masamichi; and Takasaki, Mamoru, to Laurel Bank Machines Co., Ltd. Coin passageway in coin handling machine. 4,800,997, 1-31-89, Cl. 194-344.000.

Ozeki, Masashi: *See—*

Mochizuki, Kouji; Ozeki, Masashi; and Ohtsuka, Nobuyuki, 4,861,417, Cl. 156-610.000.

Ozeki, Tadashi: *See—*

Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Ta and Iwasaki, Masahiro, 4,872,394, Cl. 91-506.000.

Ozeki, Takaaki: *See—*

Nakamura, Tamiya; Bamba, Hiroshi; Furuhashi, Toru; Oze Takaaki; Kishino, Kuniaki; and Inagaki, Toshihiko, 4,845,7 370-110.100.

Ozeki, Takafumi; Sakai, Kikuo; and Fukushima, Noriyasu, to Da Seiko, Inc. Handle for a fishing rod. 4,848,022, 7-18-89, Cl. 43-23

Ozeki, Takeshi: *See—*

McNeill, Kevin M.; and Ozeki, Takeshi, 4,876,643, Cl. 364-20

Ozeki, Tomotaka, to Hitachi Maxeli, Ltd. Composite memory de 4,814,924, 3-21-89, Cl. 360-133.000.

Ozeki, Tomotaka: *See—*

Oshima, Toshio; and Ozeki, Tomotaka, 4,864,542, Cl. 365-1

Ozeki, Yoshiaki; Kondo, Makio; and Taniguchi, Hayashi, to R Company, Ltd. Image signal encoding method and system. 4,81 3-7-89, Cl. 358-261.100.

Ozeki, Yuji: *See—*

Oonishi, Akiyoshi; Ishino, Iwao; Shimada, Takeo; and Ozeki, Y 4,871,819, Cl. 526-245.000.

Ozelis, Joseph P.; and Keur, Robert I., to A. B. Dick Company. In drop control system with temperature compensation. 4,86 8-22-89, Cl. 346-1.100.

Ozelton, Malcolm W.; Bohlen, James W.; Scarich, Gregory V.; Sco James J.; and Averill, Stephan W., to Northrop Corporation. Proc for thermal aging of aluminum alloy plate. 4,808,248, 2-28-8 148-12.70A.

Ozen Corporation: *See—*

Koike, Eishi, 4,800,305, Cl. 369-67.000.

Koike, Eishi, 4,801,880, Cl. 324-178.000.

Koike, Eishi; and Nozawa, Kazumi, 4,811,322, Cl. 369-65.00

Koike, Eishi, 4,823,332, Cl. 369-63.000.

Koike, Eishi, 4,827,465, Cl. 369-67.000.

Koike, Eishi, 4,862,444, Cl. 369-67.000.

Koike, Eishi; and Yusa, Yasuhiko, 4,876,678, Cl. 369-31.00

Ozer, Richard; DeSantis, Edward; and Tomlinson, Brett, to ADT In Access control system having centralized/distributed com 4,839,640, 6-13-89, Cl. 340-825.310.

Ozero, Brian J., to Scientific Design Company, Inc. Selective extractio of CO_2 and argon from ethylene oxide recycle system. 4,879, 11-7-89, Cl. 549-534.000.

Ozeroff, Shepard C.: *See—*

Dinitz, Arthur M.; and Ozeroff, Shepard C., 4,826,22 294-81.560.

Ozias, Albert E., to Epsilon Technology, Inc. Reaction chamber CVD systems. 4,846,102, 7-11-89, Cl. 118-730.000.

Ozias, Albert E.: *See—*

Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goo win, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoe Wiebe B., 4,828,224, Cl. 251-298.000.

deBoer, Wiebe B.; and Ozias, Albert E., 4,821,674, Cl. 118

Robinson, McDonald; and Ozias, Albert E., 4,836,138, C 118-666.000.

Oziomek, James: *See—*

Bethea, Tristram W.; Oziomek, James; Tazewell, Joseph H.; Hi shafer, Douglas K.; and Meyer, Louis W., 4,814,411, C 528-64.000.

Hergenrother, William L.; and Oziomek, James, 4,806,322, C 423-300.000.

Oziro, Takeshi: *See—*

Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hi shi; and Oziro, Takeshi, 4,882,126, Cl. 420-516.000.

Ozite Corporation: *See—*

D'Elia, Conrad, 4,851,274, Cl. 428-113.000.

Ozmar, Donald E. Safety wedge. 4,826,208, 5-2-89, Cl. 280-751.00

Ozmat, Burhan: *See—*

Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; and Schnurmann, Henri D., 4,811,082, Cl. 357-80.000.

Jacobs, Scott L.; McMahon, Maurice T., Jr.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R. 4,817,093, Cl. 371-25.000.

Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; Schnurmann, Henri D.; and Zingher, Arthur R., 4,866,507, Cl. 357-74.00

Ozoe, Kuniyuki: *See—*

Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Yoich Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufu 4,802,270, Cl. 29-241.000.

Ozoe, Masahiro: *See—*

Adachi, Hitoyuki; and Ozoe, Masahiro, 4,838,357, Cl. 172-43.00

Ozogar, Robert M.: *See—*

Subramaniam, Anandaraman; Ozogar, Robert M.; and Bergh Carlton K., 4,853,232, Cl. 426-35.000.

Ozols, Ilmars. Adjustable folding table for vehicles. 4,852,499, 8-1- Cl. 108-44.000.

Ozono, Kazuyuki: *See—*

Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Oo Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shim Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.

Ozturk, Mehmet: *See—*

Bellet, Dominique; Wands, Jack R.; and Ozturk, Meh 4,804,626, Cl. 435-7.000.

Ozu, Tokio; Itagaki, Takasi; and Fukuda, Sanemi, to Kabushiki Kai Toshiba. Control unit withdrawing mechanism for swichge 4,831,489, 5-16-89, Cl. 361-338.000.

Ozu, Tokio; Oda, Taturou; Takamatsu, Seietsu; and Ogawa, Akira, to Kabushiki Kaisha Toshiba. Handle operating mechanism for circuit breakers. 4,835,350, 5-30-89, Cl. 200-50.00A.

Ozu, Tokio; Oda, Taturou; and Ogawa, Akira, to Kabushiki Kaisha Toshiba. Electrical connector. 4,867,713, 9-19-89, Cl. 439-833.000.

Ozug, Peter: *See—*

Hershberger, Marc; Stevens, Carl; and Ozug, Peter, 4,829,432, Cl. 361-424.000.

P. B. Ind. Plant Biotech Industries Ltd.: *See—*

Levin, Robert, 4,855,236, Cl. 435-240.450.

P.C. Cox (New bury) Limited: *See—*

Cox, John P. A., 4,871,088, Cl. 222-47.000.

P.C.E. Corp.: *See—*

Cloeren, Peter F., 4,839,131, Cl. 264-171.000.

P.F.M. S.p.A.: *See—*

Fioravanti, Pietro, 4,838,981, Cl. 156-515.000.

P. H. Glatfelter Company: *See—*

Herron, Joe N., 4,804,002, Cl. 131-365.000.

Martin, Richard H., 4,881,557, Cl. 131-365.000.

P & J Enterprises, Inc.: *See—*

Krieger, Joseph G., 4,823,997, Cl. 224-42.03B.

P. J. Zweegers en Zonen Landbouwmachinenfabriek B.V.: *See—*

Quataert, Pierre, 4,841,851, Cl. 100-5.000.

P K Airway Limited: *See—*

Sheehy, Patrick K., 4,877,024, Cl. 128-207.140.

P. L. Parsons & Company, Ltd.: *See—*

Parsons, Philip L.; and Richardson, Ewart, 4,813,201, Cl. 52-7.000.

P. L. Porter Company: *See—*

Tanaka, Akira; and Lee, Jimmy C.-M., 4,880,084, Cl. 188-67.000.

P.O.P Inc.: *See—*

Downing, David G., 4,848,016, Cl. 40-575.000.

P.S.E. Marketing, Inc.: *See—*

Ekstein, Penny S., 4,853,994, Cl. 5-437.000.

P.S.M. Fasteners Limited: *See—*

Tildesley, James M. G., 4,842,462, Cl. 411-180.000.

P. T. Chemicals, Limited: *See—*

O'Callaghan, William; and Cruse, John W., 4,820,380, Cl. 162-135.000.

P. X. Industries, inc.: *See—*

MacDonald, Paul M., 4,8[illegible]01, Cl. 248-250.000.

Paakkinen, Ilmari. Method of and an apparatus for measuring the properties, particularly the compactibility of a stiff mass to be cast. 4,794,799, 1-3-89, Cl. 73-803.000.

Paal, Tibor: *See—*

Bauer, Sandor; Doleschall, Sandor; Gal, Andras; Milley, Gyula; Nagy, Gyula; and Paal, Tibor, 4,795,564, Cl. 210-665.000.

Bauer, Sandorne; Biro, Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.

Csajtai, Geza; Doleschall, Sandor; Milley, Gyula; Kristof, Miklos; Paal, Tibor; Racz, Daniel; and Toth, Bela, 4,875,809, Cl. 405-263.000.

Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, 4,844,155, Cl. 166-261.000.

Paalman, H. Hunter: *See—*

DeVellis, Robert; Schroeder, Lawrence R.; Paalman, H. Hunter; Tong, Curtis M.; Caskey, Terrence L.; and Martin, Charles W., 4,846,977, Cl. 210-640.000.

Paalvast, Cornelis G.: *See—*

Vogelesang, Laurens B.; Verbruggen, Marcel L. C. E.; and Paalvast, Cornelis G., 4,836,084, Cl. 89-36.020.

Paap, Hans J.: *See—*

Bussian, Alfred E.; Williams, Thomas M.; Carmichael, Paul D.; and Paap, Hans J., 4,802,361, Cl. 73-61.10R.

Paape, Beth A.: *See—*

Stolowitz, Mark L.; Paape, Beth A.; and DeVaux, Anne E., 4,863,870, Cl. 436-89.000.

Paar, Willibald, to Vianova Kunstharz, A.G. Process for the manufacture of self-crosslinking paint binders. 4,801,661, 1-31-89, Cl. 525-489.000.

Paar, Willibald, to Vianova Kunstharz, A.G. Self-crosslinking cationic paint binders containing biuret groups. 4,808,688, 2-28-89, Cl. 528-45.000.

Paar, Willibald, to Vianova Kunstharz, A.G. Self-crosslinking cationic paint binders from amine modified epoxy resins reacted with (1) partially blocked isocyanate and (2) formaldehyde. 4,837,291, 6-6-89, Cl. 528-45.000.

Paar, Willibald; Honel, Michael; and Gmoser, Johann, to Vianova Kunstharz, A.G. Self-crosslinking cationic paint binders containing urea groups and process of manufacture. 4,845,170, 7-4-89, Cl. 525-452.000.

Paar, Willibald, to Vianova Kunstharz, A.G. Self-crosslinking cationic paint binders based on ureide-modified epoxy resins and their preparation. 4,851,486, 7-25-89, Cl. 525-528.000.

Paar, Willibald; and Arzt, Anton, to Vianova Kunstharz, A.G. Cationic paint binders comprising the reaction product of substituted ureas, formaldehyde, and phenols. 4,857,581, 8-15-89, Cl. 524-591.000.

Paar, Willibald: *See—*

Gmoser, Johann; Paar, Willibald; and Honel, Michael, 4,845,171, Cl. 525-452.000.

Paau, Alan, to Agracetus Corporation. Bacterial agricultural inoculants. 4,875,921, 10-24-89, Cl. 71-7.000.

Paau, Alan S.: *See—*

McCabe, Dennis E.; Platt, Steven G.; and Paau, Alan S., 4,828,600, Cl. 71-76.000.

Pabon, Raul A., Jr.: *See—*

Massingill, John L., Jr.; and Pabon, Raul A., Jr., 4,820,784, Cl. 525-481.000.

Massingill, John L., Jr.; and Pabon, Raul A., Jr., 4,835,225, Cl. 525-481.000.

Pabst, Carsten: *See—*

Berding, Josef; Bertling, Hannes; Lees, Thomas; and Pabst, Carsten, 4,878,519, Cl. 138-31.000.

Pabst, Hans-Georg, to Udi Ag. Air conditioning apparatus. 4,862,703, 9-5-89, Cl. 62-229.000.

Pabst, Jurgen: *See—*

Obrecht, Werner; Goossens, John; Mirza, Jean; Pabst, Jurgen; Thormer, Joachim; and Szentivanyi, Zsolt, 4,826,721, Cl. 428-252.300.

Pabst, Manfred, to A. Monforts GmbH & Co. Convection heat treating apparatus for thermal treatment of a traveling substrate. 4,817,299, 4-4-89, Cl. 34-155.000.

Pabst, Manfred: *See—*

Gierse, Franz J.; Pabst, Manfred; Hermanns, Heinz; Ippers, Karl; Krenn, Stephan; Huppe, Friedrich; Opgenoorth, Carl H.; and Wolters, Conrad, 4,858,843, Cl. 242-65.000.

Pabst, Otto, to Leitner, S.p.A. Mechanical transmission, particularly for cableway winches. 4,840,088, 6-20-89, Cl. 74-661.000.

PAC International, Inc.: *See—*

McMillin, Danny L., 4,834,256, Cl. 220-66.000.

Pac-Tec, Inc.: *See—*

Forrer, Douglas S., 4,797,024, Cl. 404-16.000.

Hedgewick, Peter, 4,883,384, Cl. 404-14.000.

Pacanowsky, David J.; and Williams, Ruth S., to W. L. Gore & Associates, INC. Waterproof breathable sock. 4,809,447, 3-7-89, Cl. 36-9.00R.

Pacault, Michel E.; and Gallet, Jean-Jacques E. Device for receiving and securing loads or vehicle hocking systems. 4,878,634, 11-7-89, Cl. 244-115.000.

Pacca, Stephen R. Automatic expander window. 4,850,141, 7-25-89, Cl. 49-380.000.

Paccar Inc: *See—*

Sasamura, Ross S.; and Jewell, John H., II, 4,841,600, Cl. 16-335.000.

Sasamura, Ross S.; and Jewell, John H., II, 4,850,142, Cl. 49-381.000.

Whitaker, Harold M., Jr., 4,846,523, Cl. 296-93.000.

Paccar Inc.: *See—*

Jewell, John H., II; and Sasamura, Ross S., 4,869,547, Cl. 296-201.000.

Nijjar, Parmjit S.; and Neff, Joseph J., 4,825,663, Cl. 62-236.000.

Oen, Joshua T., 4,797,792, Cl. 362-83.000.

Paul, Jeff; and Tao, Michikazu J., 4,867,468, Cl. 280-402.000.

Preslik, Theresa D.; and Sasamura, Ross, 4,836,568, Cl. 280-164.100.

Sasamura, Ross S.; and Jewell, John H., II, 4,861,099, Cl. 296-202.000.

Stephens, Donald L., 4,845,630, Cl. 364-442.000.

Stephens, Donald L., 4,850,448, Cl. 180-299.000.

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Pace, Gary L., to Motorola, Inc. Enhanced Q current mode active filter. 4,843,343, 6-27-89, Cl. 330-257.000.

Pace, Gary L., to Motorola, Inc. Combined radio pager/timepiece apparatus with receiver desensitization protection. 4,845,485, 7-4-89, Cl. 340-825.440.

Pace, Gary L., to Motorola, Inc. Data limiter having current controlled response time. 4,866,261, 9-12-89, Cl. 341-138.000.

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Lane, Rodney J.; Taylor, George R.; and Pace, Gary W., 4,828,544, Cl. 604-9.000.

Pace, Herbert W.: *See—*

Wally, Joseph H., Jr.; and Pace, Herbert W., 4,847,664, Cl. 355-76.000.

Wally, Joseph H., Jr.; Pace, Herbert W.; and Halsey, Ronald L., 4,887,123, Cl. 355-30.000.

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Brown, Robert G.; and Siegel, William J., 4,804,129, Cl. 228-20.000.

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Quasney, Robert S., Sr., 4,803,748, Cl. 15-104.920.

Wallgren, Linus E.; Mason, Bobby L.; Siegel, William J.; Olesen, Ole V.; and Abbagnaro, Louis A., 4,847,471, Cl. 219-497.000.

Wallgren, Linus E.; Mason, Bobby L.; Siegel, William J.; Olesen, Ole V.; and Abbagnaro, Louis A., 4,855,572, Cl. 219-456.000.

Pace Industries, Inc.: *See—*

Palka, James J.; and Rekart, Robert B., 4,884,176, Cl. 362-135.000.

Pace, James W., to Boeing Company, The. Quick-release latch and access door. 4,848,034, 7-18-89, Cl. 49-465.000.

Pace, Jerry E.: *See—*

Holmes, Gerald E.; and Pace, Jerry E., 4,836,737, Cl. 414-563.000.

Pace, John F. Knife and saw holder. 4,825,550, 5-2-89, Cl. 30-296.00A.

Pace, Laurel J.: *See—*

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Snow, Robert A.; McGuckin, Hugh G.; Ponticello, Ignazio S.; Daly, Robert C.; Pace, Laurel J.; Fischer, Sandra K.; and Hanrahan, Michael J., 4,876,167, Cl. 430-7.000.

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Pace, Vincent C., to Formost Packaging Machines, Inc. Piece-spacing transfer mechanism. 4,804,076, 2-14-89, Cl. 198-475.100.
Pace, Vincent C., to Formost Packaging Machines, Inc. Process for applying a patch. 4,832,776, 5-23-89, Cl. 156-297.000.
Pace, W. David: *See—*
Alberkrack, Jade H.; and Pace, W. David, 4,825,144, Cl. 323-272.000.
Pace Window & Door Corp.: *See—*
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Paceco Corp.: *See—*
Crouch, John H., 4,858,775, Cl. 212-205.000.
Pacelli, Leonardo: *See—*
Alota, Santa; Ferrari, Vincenzo; Memmi, Massimo; Pacelli, Leonardo; and Ramundo, Susanna, 4,875,983, Cl. 204-28.000.
Pacentino, Thomas J.; Piacentino, Thomas J., Jr.; and Rosenbloom, Howard, to International Process Systems. Compost handling machine. 4,828,399, 5-9-89, Cl. 366-345.000.
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Diaz, Raul; H.; and Davis, Mark W., 4,826,480, Cl. 604-49.000.
Garrison, Michi E.; and Pelmulder, John P., 4,878,896, Cl. 604-65.000.
Gorton, Lanny A.; and Schmidt, Gerald W., 4,832,299, Cl. 248-231.700.
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Mann, Alfred E.; and Schulman, Joseph H., 4,808,167, Cl. 604-151.000.
Nason, Clyde K.; and Pelmulder, John P., 4,850,817, Cl. 417-362.000.
Pelmulder, John P.; and Gorton, Lanny A., 4,818,190, Cl. 417-360.000.
Renger, Herman L., 4,814,685, Cl. 323-224.000.
Schulman, Joseph H.; and Gorton, Lanny A., 4,850,972, Cl. 604-151.000.
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Frey, Volker; Pachaly, Bernd; and Zeller, Norbert, 4,833,220, Cl. 525-477.000.
Pacheco, Orlando D. Cam shaft manipulating tool. 4,794,683, 1-3-89, Cl. 29-278.000.
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Berg, Richard A.; Silver, Frederick H.; and Pachence, James M., 4,837,285, Cl. 530-356.000.
Berg, Richard A.; Silver, Frederick H.; Pachence, James M.; and D'Antonio, John, 4,841,962, Cl. 128-156.000.
Pachernegg, Rudolf. Process of producing a carbonated hop-malt beverage. 4,810,505, 3-7-89, Cl. 426-16.000.
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Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, 4,866,270, Cl. 250-282.000.
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Pacholok, Robert M.: *See—*
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Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, 4,856,181, Cl. 29-603.000.
Pacific Armatechnica Corporation: *See—*
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Pacific Atlantic Products, Ltd.: *See—*
Torre, Joseph J., 4,877,330, Cl. 374-136.000.
Pacific Bell: *See—*
Carse, Gregg D., 4,811,332, Cl. 370-58.000.
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Kohl, James E.; Wildi, Eric J.; Scott, Robert S.; Pattanaya, Deva N.; and Adler, Michael S., 4,868,620, Cl. 357-23.120.
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Lewis, David R.; Perkins, Albert J.; Raya, Gasper L.; Vargo, Michael F.; and Haggmark, James E., 4,852,154, Cl. 379-105.000.
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Posner, Edward C.; and Smyth, Patrick, 4,845,736, Cl. 379-27.000.
Schembri, John J., 4,871,225, Cl. 350-96.760.
Scott, Robert S.; and Kohl, James E., 4,795,917, Cl. 307-270.000.
Pacific Biomedical Holdings, Ltd.: *See—*
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Pacific BioSystems, Inc.: *See—*
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Pacific Fence and Wire Company: *See—*
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Pacific Fitness Corporation: *See—*
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Pacific Kenyon Corp.: *See—*
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Pacific Monolithics: *See—*
Podell, Allen F.; and Benton, Robert H., 4,800,345, Cl. 333-11
Pacific Northwest Electronics: *See—*
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Bailey, Bill E., 4,851,709, Cl. 307-228.000.
Pacific Power Source Corp.: *See—*
Taddeo, Fausto V.; and Woodward, Mark A., 4,815,
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Pacific Scientific Company: *See—*
Hendershot, James R., 4,883,999, Cl. 310-254.000.
Horber, Ralph W., 4,827,164, Cl. 310-49.00R.
von Bargen, Kenneth P., 4,842,406, Cl. 356-336.000.
Pacific Security Systems of America, Inc.: *See—*
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Pacific Western Systems, Inc.: *See—*
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Pacione, Albert J. Tool for picking up litter. 4,856,835, 8-15-
294-61.000.
Pacione, Joseph R. Carpet backing and installation system. 4,82
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Pacitti, Thomas G. Fishing line float. 4,845,884, 7-11-89, Cl. 43-44
Pack, Roger N.; and Ahmad, Eddress. Footwear with pivot
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Mosher, Oren A., 4,828,054, Cl. 177-25.180.
Rabus, Horst, 4,800,707, Cl. 53-552.000.
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Bixler, Kenneth D., 4,823,959, Cl. 206-562.000.
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Palmieri, Gregory G., 4,836,814, Cl. 441-65.000.
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Erceg, Jack P.; and Yeh, Tzong I., 4,885,820, Cl. 16-225.00
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Strzelewicz, William B., 4,868,025, Cl. 428-35.200.
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Packard, Beverly; Edidin, Michael; and Komoriya, Akira, to Jo
Hopkins University, The. Protein label and drug delivery sys
4,889,916, 12-26-89, Cl. 525-54.100.
Packard, Brian M.; and Rydell, Mark A., to Schneider-Shiley (US
Inc. Steerable catheter guide. 4,841,976, 6-27-89, Cl. 128-657.

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Packard, Thomas D.; and Goodchild, William C., to Bird Machine Company, Inc. Process for making tissue-absorbent particle laminates. 4,851,069, 7-25-89, Cl. 156-284.000.
Packard, Thomas J., to Minnesota Mining and Manufacturing Company. Compressible ear tip. 4,852,684, 8-1-89, Cl. 181-131.000.
Packard, Thomas N.: *See—*
Brant, Edward J.; and Packard, Thomas N., 4,802,052, Cl. 361-42.000.
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Padawer, Gerald M., to Grumman Aerospace Corporation. System of improving signal-to-noise ratio of detected random pulses. 4,870,603, 9-26-89, Cl. 364-574.000.
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Paddock, Charles W., to Quaker Oats Company, The. Toy race car launcher. 4,889,515, 12-26-89, Cl. 446-197.000.
Paddock, Gary V., to Research Corporation Technologies. Recombinant cDNA construction method and hybrid nucleotides useful in cloning. 4,831,124, 5-16-89, Cl. 536-27.000.
Paddock, Gary V.: *See—*
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Padget, John C.; and McIlrath, Donald H., to Imperial Chemical Industries PLC. Aqueous-based sealant compositions. 4,806,590, 2-21-89, Cl. 524-568.000.
Padgett, Barry C., to Tras Pty. Ltd. Animal handling apparatus. 4,850,308, 7-25-89, Cl. 119-82.000.
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Padilla, James M., to Cuno, Incorporated. Universal coupling for a faucet. 4,822,076, 4-18-89, Cl. 285-8.000.
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Padilla, Joseph R.: *See—*
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Padovani, Pietro, to I.S.A.P. SpA (Industrie Specializzate Articoli Plastici). Cup for coffee, or similar drinks, formed of synthetic thermoplastics material. 4,867,313, 9-19-89, Cl. 206-519.000.
Padovani, Pietro, to O.M.V. S.p.A. (Officine Meccaniche Veronesi). Apparatus for obtaining a negative pressure in chambers formed by a flat extractor plate supporting hollow thermoformed objects. 4,872,826, 10-10-89, Cl. 425-388.000.
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Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, to Caribonum Ltd. Overlappingly overstrikeable ribbon and use thereof in continuously full cassettes. 4,884,908, 12-5-89, Cl. 400-241.200.
Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, to Caribonum Ltd. Ink ribbon having elastomeric protective backing. 4,886,386, 12-12-89, Cl. 400-241.400.
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Pafford, Thomas L. Fiber optic connector that joins multiple, but at least one, fiber optic cables to a dual diametered fiber optic cable and a multiple position clamp to juxtapose a plurality of the said fiber optic connecter. 4,824,204, 4-25-89, Cl. 350-96.210.
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Pagani, Ezio, to Bridge Products, Inc. Valve. 4,836,235, 6-6-89, Cl. 137-223.000.
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Pagano, Dominick A. Automated in-line pipe inspection system. 4,872,130, 10-3-89, Cl. 364-507.000.
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Pagano, Raymond V. Ballistic rated camera housing and method for forming. 4,796,039, 1-3-89, Cl. 354-81.000.
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Paisley, Thomas D., to Aircraft Parts Corp. Brush holder. 4,843,274, 6-27-89, Cl. 310-239.000.
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Palac, Kazimir, deceased; Palac, Judith A., heir; Palac, Donald T., heir; and Palac, Susan M., heir, 4,876,480, Cl. 313-477.00R.
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Palacios, Jose: *See—*
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- O'Brien, Michael J.; Palazzolo, Francis V.; and Polachowski, Wayne T., 4,815,914, Cl. 414-276.000.

Palazzolo, Frank. Container made of folded planar material having precreased gripping area and blank for same and method of manufacture. 4,846,396, 7-11-89, Cl. 229-52.00B.

Palazzolo, Nicholas P. Detachable electric guitar pick-up system. 4,854,210, 8-8-89, Cl. 84-1.150.

Palazzotto, Michael C., to Minnesota Mining and Manufacturing Company. Ternary photoinitiator system for addition polymerization. 4,889,792, 12-26-89, Cl. 430-281.000.

Palbam: *See—*
- Hen, Tamar; and Kimchi, Yochai, 4,821,755, Cl. 134-72.000.

Palcic, Branko: *See—*
- Jaggi, Bruno; Deen, Mohammed J.; and Palcic, Branko, 4,845,552, Cl. 358-93.000.

Palco Telecom, Inc.: *See—*
- Grantland, Gary, 4,821,313, Cl. 379-145.000.
- Grantland, Gary, 4,831,650, Cl. 379-143.000.
- McGough, Gerald B., 4,809,319, Cl. 379-153.000.
- McGough, Gerald B., 4,815,123, Cl. 379-153.000.
- McGough, Gerald B., 4,852,373, Cl. 70-417.000.

Palensky, Frederick J.: *See—*
- Rasmussen, Jerald K.; Heilmann, Steven M.; and Palensky, Frederick J., 4,837,290, Cl. 526-304.000.

Palepu, Nageswara R.: *See—*
- Kaplan, Murray A.; Palepu, Nageswara R.; and Bogardus, Joseph B., 4,808,617, Cl. 514-202.000.

Palermo, Robert E.: *See—*
- Audeh, Costandi A.; Bell, Weldon K.; Han, Scott; and Palermo, Robert E., 4,822,938, Cl. 585-324.000.
- Han, Scott; and Palermo, Robert E., 4,864,073, Cl. 585-943.000.
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Palestrant, Aubrey M. Mechanically locking blood clot filter. 4,832,055, 5-23-89, Cl. 128-899.000.

Palet, Timothy J. Combination air hammer, water stream blaster and liquid mist dust suppressor. 4,854,393, 8-8-89, Cl. 173-62.000.

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- Paley, Steven J.; Eberhardt, Clifford A.; and Paley, Edward, 4,888,229, Cl. 428-192.000.

Paley, Robert M., to Phasor Corporation, The. Control system for remotely controlled motor operated valve. 4,844,110, 7-4-89, Cl. 137-1.000.

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- McDonald, Ian A.; Palfreyman, Michael G., and Collard, Jean-Noel, 4,822,812, Cl. 514-419.000.
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- Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.

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- Larws, Peter, 4,861,307, Cl. 446-95.000.

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- Evans, John G.; and Charczuk, Bogdan, 4,823,896, Cl. 180-24.010.

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Paliotta, Michael A.; and Allen, Donald F., to F. M. Howell & Co. Plural piece plastic package for glass bowl and cover. 4,848,541, 7-18-89, Cl. 206-45.140.

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- Frentzel-Beyme, Johannes, 4,848,075, Cl. 57-264.000.
- Inger, Siegfried, 4,845,933, Cl. 57-80.000.
- Langen, Manfred; and Fink, Heinz, 4,856,270, Cl. 57-281.000.
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Palitz, Bernard G., Jr. Child resistant electrical socket or socket attachment. 4,872,852, 10-10-89, Cl. 439-307.000.

Palka, Frank M.: *See—*
- Ashley, James R.; and Palka, Frank M., 4,801,861, Cl. 324-57.00N.

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Palko, Sandor. Extended expansion diesel cycle engine. 4,798,184, 1-17-89, Cl. 123-316.000.

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Palkuti, Leslie J., to Advanced Research and Applications Corporation. Method for reliability testing of integrated circuits. 4,816,753, 3-28-89, Cl. 324-158.00R.

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- Adiletta, Joseph G., 4,868,042, Cl. 428-290.000.
- Christel, Conrad, Jr.; and White, Donald H., Jr., 4,832,711, Cl. 55-20.000.
- Degen, Peter J.; and Gsell, Thomas C., 4,826,642, Cl. 264-45.300.
- Degen, Peter J.; and Harwood, Colin F., 4,882,056, Cl. 210-490.000.
- Gsell, Thomas C.; Salinaro, Richard F.; and Degen, Peter J., 4,886,836, Cl. 521-53.000.
- Haraveth, Garry R.; Catterfeld, Robert J.; and Trasen, Benjamin, 4,880,536, Cl. 210-232.000.
- Jewell, James E.; and Koslow, Evan E., 4,828,698, Cl. 210-266.000.
- Joffee, Irving B.; Degen, Peter J.; and Baltusis, Frederick A., 4,855,163, Cl. 427-244.000.
- Koehler, Paul C., 4,822,692, Cl. 428-547.000.
- Koehler, Paul C., 4,828,930, Cl. 428-547.000.
- Koslow, Evan E., 4,850,380, Cl. 134-56.00R.
- Matkovich, Vlado I.; Martin, Jerold; and Degen, Peter J., 4,797,259, Cl. 422-101.000.
- Matkovich, Vlado I., 4,798,676, Cl. 210-767.000.
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- Pall, David B.; Degen, Peter J.; Matkovich, Vlado I.; and Gsell, Thomas C., 4,861,617, Cl. 427-2.000.
- Pall, David B.; and Gsell, Thomas C., 4,880,548, Cl. 210-767.000.
- Reed, Clayton L.; and Miller, John D., 4,839,048, Cl. 210-450.000.
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- Rothman, Isaac; and Degen, Peter J., 4,837,162, Cl. 436-531.000.
- Silverwater, Bernard F.; and Flikop, Arkady, 4,813,446, Cl. 137-198.000.
- Silverwater, Bernard F., 4,823,604, Cl. 73-717.000.
- Silverwater, Bernard F.; and Cooper, Roydon B., 4,826,597, Cl. 210-387.000.
- Silverwater, Bernard F., 4,827,774, Cl. 73-861.530.
- Verrando, Marcel G., III, 4,882,648, Cl. 361-286.000.
- White, Donald H., Jr.; and Verrando, Marcel G., 4,830,641, Cl. 55-161.000.
- Wortham, Samuel T.; and Krakauer, Sidney, 4,838,858, Cl. 604-83.000.

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Palladium Security Products (1985) Inc.: *See—*
- Badger, Raymond B.; Schmitz, Peter J.; and Thistle, Arthur L., 4,817,334, Cl. 49-55.000.

Pallardy, Eugene P., Jr.: *See—*
- Olson, Larry D.; and Pallardy, Eugene P., Jr., 4,870,325, Cl. 528-170.000.

Pallien, Wilhelm, to Alfred Boerner GmbH. Method of manufacturing a double-edged peeling knife. 4,887,495, 12-19-89, Cl. 76-104.00R.

Pallini, Joseph W., Jr.; Milberger, Lionel J.; and Danner, B. Lee, to Vetco Gray Inc. Tubular connector system. 4,846,508, 7-11-89, Cl. 285-175.000.

Pallini, Joseph W., Jr.: *See—*
- Rohweller, David J.; and Pallini, Joseph W., Jr., 4,813,496, Cl. 175-7.000.

Pallmar, Anders, to Alfa-Laval Marine and Power Engineering AB. Centrifugal separator and method of operating same. 4,840,612, 6-20-89, Cl. 494-2.000.

Pallmeyer, Henry L., to Grumman Aerospace Corporation. Individual self-erecting antenna. 4,814,784, 3-21-89, Cl. 343-882.000.

Palloch, Herbert: *See—*
- Wittler, Hilmar; Martin, Adolf; and Palloch, Herbert, 4,823,926, Cl. 192-18.00B.

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Pallozzi, Franco: *See—*
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Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., to Colorocs Corporation. Fuser assembly for an electrophotographic print engine. 4,806,097, 2-21-89, Cl. 432-60.000.

Palm, Charles S.: *See—*
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Palm, John W., to Amoco Corporation. Sulfur recovery plant and process using oxygen. 4,849,203, 7-18-89, Cl. 423-574.00R.

Palm, John W.: *See—*
- Reed, Robert L.; and Palm, John W., 4,822,591, Cl. 423-574.00R.

Palma, Lucien: *See—*
- Hamelin, Gilbert; and Palma, Lucien, 4,825,139, Cl. 322-90.000.

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- Hassett, Gerald M.; and Palmaccio, Linda A., 4,826,563, Cl. 156-636.000.

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- Palmaer, Tore; and Palmaer, Leif, 4,830,138, Cl. 181-129.000.

Palmaer, Tore; and Palmaer, Leif, to Finnveden Holding AB. Pressure ring for ear cover. 4,830,138, 5-16-89, Cl. 181-129.000.

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- Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
- Master, Raj N.; Pittler, Marvin S.; Totta, Paul A.; Ainslie, Norman G.; and Palmateer, Paul H., 4,824,009, Cl. 228-124.000.

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- Frank, Walter; and Palme, Gerhard, 4,834,062, Cl. 125-13.00R.

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- Montreuil, Kent B.; Palmejar, Gary A.; and Pfister, James H., Jr., 4,815,783, Cl. 215-228.000.

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Palmer, Billy W.: *See—*
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- Kerner, James M.; Palmer, Carl; Reed, Michael A.; and Pagendarm, John J., 4,833,888, Cl. 62-3.300.
- Petrucci, Raymond M.; Taylor, Bruce G.; Giordano, Edward C.; Padiall, James M.; and Palmer, Carl, 4,877,521, Cl. 210-171.000.

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Palmer, Christopher J.: *See—*
- Atkin, Howard S.; and Palmer, Christopher J., 4,799,539, Cl. 165-54.000.

Palmer, Daren D.: *See—*
- Palmer, Harold D.; Palmer, Daren D.; and Mealey, Thomas P., 4,813,589, Cl. 228-119.000.

Palmer, Darrel, to Ballard Medical Products. Aspirating/ventilating apparatus and method. 4,836,199, 6-6-89, Cl. 128-207.160.

Palmer, Darrel, to Ballard Medical Products. Inversion foamer. 4,846,376, 7-11-89, Cl. 222-190.000.

Palmer, Darrel, to Ballard Medical Products. Aspirating/ventilating apparatus and method. 4,872,579, 10-10-89, Cl. 128-205.190.

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- Lorenzen, Rick D.; Houghton, William; Palmer, Darrel; and Kammerer, Kevin, 4,867,153, Cl. 128-205.120.

Palmer, David G.; and Vacha, Keith L., to Pure Water, Inc. Condenser for water purification apparatus. 4,805,692, 2-21-89, Cl. 165-110.000.

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Palmer, David N.; Cartwright, John S.; and O'Neill, James K., to Combustion Engineering, Inc. Thermally actuated hydrogen secondary battery. 4,808,494, 2-28-89, Cl. 429-101.000.

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Palmer, David W., to Walker Magnetics Group, Inc. Thread wrapping apparatus. 4,807,430, 2-28-89, Cl. 57-18.000.

Palmer, Dean C.: *See—*
- Christensen, Thomas C.; Coker, Jonathan D.; Cunningham, Earl A.; Jaworski, Richard C.; Kerwin, Gregory J.; Palmer, Dean C.; and Roepke, Jeffrey R., 4,821,125, Cl. 360-31.000.

Palmer, Derek R.; and Tyson, Robert G., to Astra Lakemedel Aktiebolag. α-bromodiethylcarbonate. 4,820,857, 4-11-89, Cl. 558-277.000.

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Palmer, Donald J.; and Meuter, Adrienne R., to Hewlett-Packard Company. Ink compositions for ink-jet printers. 4,810,292, 3-7-89, Cl. 106-23.000.

Palmer, Dwight O.: *See—*
- Braun, Charles W.; Fornuto, Joseph; and Palmer, Dwight O., 4,805,582, Cl. 123-568.000.

Palmer, Elaine R.: *See—*
- Ferriter, Kate M.; and Palmer, Elaine R., 4,862,376, Cl. 364-468.000.

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Palmer, Harold D.; Palmer, Daren D.; and Mealey, Thomas P. Surface mounted device rework heat guide. 4,813,589, 3-21-89, Cl. 228-119.000.

Palmer International, Inc.: *See—*
- Goldberg, Daniel; and Lauman, G. Fred, 4,847,122, Cl. 427-410.000.

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Palmer, James J.: *See—*
- Barnell, Anthony J.; and Palmer, James J., 4,813,540, Cl. 206-400.000.

Palmer, James W., to AMP Incorporated. Electrical connector housing assembly. 4,802,867, 2-7-89, Cl. 439-587.000.

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Palmer, Jerry D., to Alcatel Business Systems Limited. Telephone ringer. 4,823,379, 4-18-89, Cl. 379-373.000.

Palmer, John D.: *See—*
- Obermarck, Ronald L.; Palmer, John D.; and Treiber, Richard K., 4,847,754, Cl. 364-200.000.

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- Bench, Ronald W.; Peitz, Robert W., Jr.; Palmer, John M.; and Erbs, Daryl G., 4,835,715, Cl. 364-557.000.
- Voorhis, Roger J.; Palmer, John M.; Marris, Derrick A.; and D'Agostino, James, 4,796,436, Cl. 62-77.000.
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Palmer, Malcolm W. T., to Screening Consultants Limited. Timeswitches. 4,851,708, 7-25-89, Cl. 307-141.000.

Palmer, Marcia: *See—*
- McGuire, Michael; DiGiacomo, Ralph; Palmer, Marcia; and Liggett, Louis, 4,876,104, Cl. 426-57.000.

Palmer, Mark D. Double action spring actuator. 4,811,564, 3-14-89, Cl. 60-527.000.

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- Bickford, Harry R.; Grebe, Kurt R.; Kovac, Caroline A.; and Palmer, Michael J., 4,832,255, Cl. 228-254.000.

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Palmer, Michele M. Non-reusable hypodermic syringe. 4,820,272, 4-11-89, Cl. 604-110.000.

Palmer, Miles R., to United States of America, Air Force. Synthesis of tetrafluorohydrazine. 4,832,931, 5-23-89, Cl. 423-406.000.

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Palmer, Phillip S.: *See—*

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Palmer, Robert, to Palmer/Snyder Furniture Company, Inc. Collapsible table. 4,825,781, 5-2-89, Cl. 108-153.000.

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Palmer, Robert, 4,825,781, Cl. 108-153.000.

Palmer, Walter J.: *See—*

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Palmer, William B.; and Giebler, Martin M., to TRW Inc. Deployable offset dish structure. 4,862,190, 8-29-89, Cl. 343-915.000.

Palmer, Winston H. Plumbing apparatus. 4,860,503, 8-29-89, Cl. 52-35.000.

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Palmier, Jean-Francois: *See—*

Ankri, David; and Palmier, Jean-Francois, 4,801,993, Cl. 357-40.000.

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Palmieri, Joseph M.; Castonguay, Roger N.; Arnold, David; and Morris, Robert A., to General Electric Co. Field installable line and load lug connectors for molded case circuit breakers. 4,809,132, 2-28-89, Cl. 361-353.000.

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Palmieri, Thomas: *See—*

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Palmiter, Richard D.: *See—*

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Palmour, John W., to North Carolina State University. Dry etching of silicon carbide. 4,865,685, 9-12-89, Cl. 156-643.000.

Palmour, John W., to North Carolina State University. Metal-insulator-semiconductor capacitor formed on silicon carbide. 4,875,083, 10-17-89, Cl. 357-23.600.

Palmquist, John M.; and Saunders, Morton J., to American Telephone and Telegraph Company, AT&T Technologies, Inc. Methods of and apparatus for reconfiguring optical fiber connector components and products produced thereby. 4,802,726, 2-7-89, Cl. 350-96.200.

Palmquist, Robert J.: *See—*

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Palmquist, Steven L.: *See—*

Gawronski, Michael J.; Palmquist, Steven L.; Lamberg, John R.; and Hart, Rebecca A., 4,837,529, Cl. 333-33.000.

Palmquist, Terrence L. Boat mooring device. 4,846,090, 7-11-89, Cl. 114-230.000.

Palo, Robert A.: *See—*

Boothroyd, William A.; Camann, James C.; and Palo, Robert A., 4,884,199, Cl. 364-408.000.

Paloheimo Oy: *See—*

Pajala, Jari, 4,796,402, Cl. 52-390.000.

Paloma Kogyo Kabushiki Kaisha: *See—*

Yamaguchi, Shigeki; Ohiwa, Norio; and Ishiguro, Katsunie, 4,881,373, Cl. 60-732.000.

Yokoyama, Nobuyoshi; and Matsumura, Yoshihiro, 4,808,107, Cl. 431-1.000.

Yokoyama, Nobuyoshi; and Hayakawa, Tsuneyasu, 4,863,370, Cl. 431-1.000.

Palombo, Gaston A.: *See—*

Stupeck, Donald G.; Palombo, Gaston A.; Nazarian, Ara W.; and Gagnier, Hugh K., 4,866,554, Cl. 360-105.000.

Palomo, Joseph A.: *See—*

Becker, Lawrence F.; Laurin, Dean G.; and Palomo, Joseph A., 4,835,003, Cl. 427-2.000.

Palone, Thomas W.: *See—*

Long, Michael; Palone, Thomas W.; and Kemp, Paul, 4,889,269, Cl. 226-97.000.

Palopoli, Frank P.: *See—*

Schnettler, Richard A.; Dage, Richard C.; Grisar, J. Martin; and Palopoli, Frank P., 4,868,197, Cl. 514-392.000.

Palosi, Eva: *See—*

Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo, 4,859,682, Cl. 514-288.000.

Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.

Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.

Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.

Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.

Palotas, Laszlo; Laszlo, Geza; Horvath, Lazlo; Baria, Arpadne; Marion, Barnabas; and Szarka, Ferencne, to Taurus Gumiipari Vallalat. Two-piece valve system for bodies to be filled with a gaseous medium, liquid, in particular for products of the rubber industry. 4,880,208, 11-14-89, Cl. 251-356.000.

Palotas, Laszlo: *See—*

Kovacs, Ferenc; Lengyel, Miklosne; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, 4,860,798, Cl. 138-133.000.

Tatai, Llona; Gundisch, Gusztav; Palotas, Laszlo; and Subotics, Gyula, 4,852,713, Cl. 198-337.000.

Pals, Donald T.: *See—*

Hester, Jackson B., Jr.; Thaisrivongs, Suvit; Sawyer, Tomi K.; TenBrink, Ruth E.; Saneii, Hossain H.; Schostarez, Heinrich J., and Pals, Donald T., 4,880,781, Cl. 514-18.000.

Pals, Jan A.; and Klinkhamer, Arend J., to U.S. Philips Corp. Integrated circuit having improved contact region. 4,831,425, 5-16-89, Cl. 357-24.000.

Palsgard, Gote; Vikterlof, Karl-Johan; Persson, Carl-Eric; Nygren, Nils O.; and Birgning, Torbjorn. Device for preventing of snoring. 4,848,360, 7-18-89, Cl. 128-773.000.

Palsrok, Bonnie: *See—*

Palsrok, Gary; and Palsrok, Bonnie, 4,826,486, Cl. 604-174.000.

Palsrok, Gary; and Palsrok, Bonnie, to Dale Medical Products, Inc. IV connector lock and stabilizer. 4,826,486, 5-2-89, Cl. 604-174.000.

Palsulich, William G.: *See—*

Heath, Gary B.; Palsulich, William G.; Manica, Keith J.; and Swan, Jack C., Jr., 4,798,090, Cl. 73-715.000.

Paltauf, Friedrich; Hermetter, Albin; and Franzmair, Rudolf, to Cl. Pharma Aktiengesellschaft. Single-stage process for preparing mixed-substituted 1,2-diacyl-sn-clycero-3-phosphocholines. 4,814,112, 3-21-89, Cl. 260-403.000.

Palu, Attilio D., to Fister S.p.A. Windscreen wiper arm of improved type. 4,856,137, 8-15-89, Cl. 15-250.310.

Paluch, Bernard R. Resuscitation valve. 4,856,548, 8-15-89, Cl. 137-102.000.

Palumbo, Paul S.: *See—*

Arnost, Michael J.; Inbar, Shai; Meneghini, Frank A.; Palumbo, Paul S.; Stroud, Stephen G.; and Zepp, Charles M., 4,886,744, Cl. 435-6.000.

Paluska, Roy T., Jr., to Caterpillar Inc. Countershaft transmission. 4,846,009, 7-11-89, Cl. 74-331.000.

Palys, Leonard H.: *See—*

Kamath, Vasanth R.; and Palys, Leonard H., 4,804,775, Cl. 558-358.000.

Pamadi, Bandu N.; and Taylor, Lawrence W., Jr., to Vigyan Research Associates, Inc. Vehicle aerodynamic drag reduction system and process. 4,867,397, 9-19-89, Cl. 296-180.100.

Pamarco Incorporated: *See—*

Counard, Cletus J., 4,819,558, Cl. 101-348.000.

Pamer, Walter R.; Zils, James A.; and Nichols, William E., to R B & W Corporation. Sealing cap tubular rivet head and assembly. 4,826,378, 5-2-89, Cl. 411-338.000.

Pammer, Erich, to Siemens Aktiengesellschaft. Film-mounted circuit and method for fabricating the same. 4,811,170, 3-7-89, Cl. 361-400.000.

Pampalone, Thomas R.; Lee, Brian C.; and Douglas, Edward C., to General Electric Co. Photolithography over reflective substrates comprising a titanium nitride layer. 4,810,619, 3-7-89, Cl. 430-313.000.

Pamperin, John M.: *See—*

Heeler, David E.; and Pamperin, John M., 4,834,830, Cl. 156-583.100.

Rentmeester, Alan L.; and Pamperin, John M., 4,840,009, Cl. 53-373.000.

Pampreen, Ronald C.: *See—*

Meyer, Robert H.; and Pampreen, Ronald C., 4,809,770, Cl. 165-9.000.

Pan Am Environmental Systems, Inc.: *See—*

Mooney, Joseph R., 4,817,415, Cl. 73-40.50R.

Pan Canadian Petroleum Limited: *See—*

Winkel, Gordon R.; and Lamb, David K., 4,863,009, Cl. 198-505.000.

Pan, Charles T.; Christie, Dean E.; and Grills, Robert H., to Science Applications International Corporation. Ultrasonic imaging system. 4,836,026, 6-6-89, Cl. 73-620.000.

Pan, Ju-Don T., to Microelectronics and Computer Technology Corporation. Method of making an electrical multilayer copper interconnect. 4,810,332, 3-7-89, Cl. 204-15.000.

Pan, Ju-Don T., to Microelectronics and Computer Technology Corporation. Method of deposition of metal into cavities on a substrate. 4,874,493, 10-17-89, Cl. 204-192.110.

Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., to Eastman Kodak Company. Recording elements comprising write-once thin film alloy layers. 4,795,695, 1-3-89, Cl. 430-495.000.

Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Vazan, Fridrich, to Eastman Kodak Company. Recording elements comprising write-once thin film alloy layers. 4,798,785, 1-17-89, Cl. 430-495.000.

Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Preuss, Donald R., to Eastman Kodak Company. Recording elements comprising write-once thin film alloy layers. 4,812,385, 3-14-89, Cl. 430-290.000.

Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., to Eastman Kodak Company. Recording elements comprising write-once thin film alloy layers. 4,812,386, 3-14-89, Cl. 430-290.000.

Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Vazan, Fridrich, to Eastman Kodak Company. Recording elements comprising write-once thin film alloy layers. 4,865,955, 9-12-89, Cl. 430-346.000.

Pan, Kee-Chuan: *See—*

Tyan, Yuan S.; Pan, Kee-Chuan; and Vazan, Fridrich, 4,797,871, Cl. 369-100.000.

Pan, Victor T.: *See—*

Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., 4,873,430, Cl. 250-225.000.

Panafacom Limited: *See—*

Aoki, Hiroshi; and Naka, Kenichi, 4,827,251, Cl. 340-729.000.

Ita, Noboru; and Mitsugi, Shigeru, 4,803,618, Cl. 364-200.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,837,564, Cl. 340-750.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,849,747, Cl. 340-735.000.

Tsuchiya, Haruhiko; Yamamoto, Hiroshi; Ogawa, Shinji; and Kyoe, Shinji, 4,801,930, Cl. 340-703.000.

Panaggio, Andrea: *See—*

O'Laughlin, Richard L.; Panaggio, Andrea; and Varia, Sailesh A., 4,868,168, Cl. 514-179.000.

O'Laughlin, Richard L.; Panaggio, Andrea; and Varia, Sailesh A., 4,868,169, Cl. 514-179.000.

Panagiotou, George N., to Cool Lux Lighting Industries, Inc. Portable electric light. 4,800,475, 1-24-89, Cl. 362-294.000.

Panagotacos, George W.: *See—*

Mathis, Lee R.; Panagotacos, George W.; Panagotacos, Steve K.; and Bruce, Ronald A., 4,814,579, Cl. 219-202.000.

Panagotacos, Steve K.: *See—*

Mathis, Lee R.; Panagotacos, George W.; Panagotacos, Steve K.; and Bruce, Ronald A., 4,814,579, Cl. 219-202.000.

Panahpour, Yousef. Massaging device. 4,796,616, 1-10-89, Cl. 128-57.000.

Panamas, P. T.: *See—*

Pao, Liem T.; Yuen, Yeong H.; and Wu, Dan T., 4,796,821, Cl. 241-101.200.

Panamax, Inc.: *See—*

Austin, Kirk, 4,807,083, Cl. 361-111.000.

Panametrics, Inc.: *See—*

Smalling, Jack W.; Braswell, Leonard D.; and Lynnworth, Lawrence C., 4,856,321, Cl. 73-40.50A.

Panaroni, Vincent F. Method for making polyurethane tires with an outer skin. 4,855,096, 8-8-89, Cl. 264-45.500.

Panasy, Craig W.: *See—*

Luxon, Bruce A.; Murthy, Malalur V.; and Panasy, Craig W., 4,818,615, Cl. 428-407.000.

Panavision, Inc.: *See—*

Saiki, Albert K., 4,889,424, Cl. 352-216.000.

Samuelson, David W., 4,849,778, Cl. 354-81.000.

Panchenko, Valery P.: *See—*

Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.

Pancheri, Eugene J.; Sadlowski, Eugene S.; Wong, Joseph M.; Hand, Vincent C.; and Sack, Ann M., to Procter & Gamble Company, The. Particles containing ammonium salts or other chlorine scavengers for detergent compositions. 4,810,413, 3-7-89, Cl. 252-174.120.

Panchison, Joseph J., Jr., to Niagara Mohawk Power Corporation. Valve control system for power generating plants. 4,842,244, 6-27-89, Cl. 251-26.000.

Pancoast, Steven T.: *See—*

Gaither, William D.; Giovannetti, Laura T.; Grafe, Robert J.; Hall, Linda F.; Meyer, Gregory P.; and Pancoast, Steven T., 4,864,516, Cl. 364-518.000.

Pancotti, Santino: *See—*

Ballerio, Dante; and Pancotti, Santino, 4,809,930, Cl. 244-17.110.

Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, to Jupiter Technologies, Inc.; and Cornell Research Foundation, Inc. Superplastic forging of zirconia ceramics. 4,849,142, 7-18-89, Cl. 264-40.600.

Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, to Jupiter Technologies, Inc.; and Cornell Research Foundation, Inc. Composites comprising silicon carbide fibers dispersed in magnesia-aluminate matrix and fabrication thereof and of other composites by sinter forging. 4,871,496, 10-3-89, Cl. 264-65.000.

Pande, Nutan K.: *See—*

D'Amore, Michael B.; and Pande, Nutan K., 4,843,057, Cl. 502-263.000.

Pandel, Inc.: *See—*

Nowell, Gilbert S.; and Tenzer, Frederick D., 4,885,659, Cl. 361-212.000.

Pandel Instruments, Inc.: *See—*

Allen, C. Cameron, Jr.; and Lagergren, Peter J., 4,850,226, Cl. 73-610.000.

Lagergren, Peter J.; and Roh, David J., 4,798,092, Cl. 73-861.770.

Pandey, Ramendra N.: *See—*

Hollenberg, Paul F.; and Pandey, Ramendra N., 4,835,258, Cl. 530-391.000.

Pandit, Aniruddha B.: *See—*

Davidson, John F.; Niranjan, Keshavan; and Pandit, Aniruddha B., 4,799,862, Cl. 416-242.000.

Pando, Basilio: *See—*

Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.

Pandolfino, Joseph, Jr. Free-standing spectacles with mirror. 4,826,307, 5-2-89, Cl. 351-41.000.

Panduit Corp.: *See—*

Bulanda, John; and Kirsinas, Peter, 4,805,278, Cl. 29-33.00M.

Caveney, Jack E.; and Richardson, Mark B., 4,862,928, Cl. 140-93.200.

Caveney, Jack E., 4,866,816, Cl. 24-16.0PB.

Caveny, Jack E.; Bulanda, John J.; Fischer, Richard L.; Stroede, Andrew J.; and Wiencek, Donald C., 4,875,881, Cl. 439-535.000.

Espevik, Craig S.; Openchowski, Richard A.; Caputo, James H.; and Guzay, Casimir M., 4,866,817, Cl. 24-23.00W.

Nicoli, Robert; and Clauson, Karl S., 4,805,856, Cl. 248-74.300.

Panek, Claus-Peter: *See—*

Weiler, Rolf; Panek, Claus-Peter; and Schmidt, Bodo, 4,842,103, Cl. 188-71.900.

Panek, Peter: *See—*

Braun, Rolf M.; Panek, Peter; Bornefeld, Horst; Rade, Dieter; and Ritter, Wolfgang, 4,810,305, Cl. 106-499.000.

Panel Graphics, U.S.A., Inc.: *See—*

Cameron, Robert K., 4,885,856, Cl. 40-453.000.

Panel International Ltd. p.l.c.: *See—*

Tikkanen, Tim, 4,876,008, Cl. 210-498.000.

Panelfold, Inc.: *See—*

Dixon, Guy E.; Jacobus, Howard B.; and Soto, Florencio E., 4,867,221, Cl. 160-84.100.

Panella, Cynthia A.: *See—*

Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, 4,849,703, Cl. 328-63.000.

Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., 4,868,864, Cl. 379-98.000.

Panesar, Lukhbir S.: *See—*

Law, David J. C.; and Panesar, Lukhbir S., 4,873,959, Cl. 123-458.000.

Law, David J. C.; and Panesar, Lukhbir S., 4,877,005, Cl. 123-458.000.

Paneth, Eric; Handzel, Mark J.; Morley, Steven A.; and Avis, Graham M., to International Mobile Machines Corporation. Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels. 4,817,089, 3-28-89, Cl. 370-95.000.

Paneth, Eric, to International Mobile Machines Corporation. Frequency synthesizer for broadcast telephone system having multiple assignable frequency channels. 4,862,107, 8-29-89, Cl. 331-2.000.

Paneth, Eric: *See—*

Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.

Panetta, Jill A.: *See—*

Ho, Peter P. K.; and Panetta, Jill A., 4,863,923, Cl. 514-443.000.

Panetti, Romolo. Railway track maintenance machine for truing the head of railway track rails. 4,843,765, 7-4-89, Cl. 51-178.000.

Panetti, Romolo, to Speno International S.A. Railway track maintenance machine for the rectification of the head of the rail. 4,878,318, 11-7-89, Cl. 51-178.000.

Panev, Vladimir B.: *See—*

Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.

Panex Corporation: *See—*

Delatorre, Leroy C., 4,870,536, Cl. 361-283.000.

Delatorre, Leroy C., 4,873,870, Cl. 73-733.000.

Delatorre, Leroy C., 4,875,368, Cl. 73-151.000.

Delatorre, Leroy C., 4,875,369, Cl. 73-151.000.

Pang, Chan S.: *See—*

Mohammadi, Farrokh; and Pang, Chan S., 4,807,003, Cl. 357-23.500.

Pang, Harry F.: *See—*

Hollingsworth, Deems R.; Thompson, Steve and Pang, Harry F., 4,868,631, Cl. 357-48.000.

Pang, Richard F.: *See—*

Fitzpatrick, Mark E.; Gouldsberry, Gary R.; Chan, Yat-Sum; and Pang, Richard F., 4,871,931, Cl. 307-491.000.

Pang, Roland H.; and Chiu, Edison H., to Texas Instruments Incorporated. High speed zero power reset circuit for CMOS memory cells. 4,858,182, 8-15-89, Cl. 365-156.000.

Pang, Roland H.: *See—*

Chen, Kueing L.; and Pang, Roland H., 4,825,280, Cl. 357-71.000.

Chiu, Edison H.; and Pang, Roland H., 4,831,625, Cl. 371-51.000.

Chiu, Edison H.; and Pang, Roland H., 4,884,270, Cl. 371-21.200.

Scharrer, Carl J.; and Pang, Roland H., 4,815,038, Cl. 365-189.000.

Scharrer, Carl J.; and Pang, Roland H., 4,833,648, Cl. 365-189.050.

Scharrer, Carl J.; and Pang, Roland H., 4,858,183, Cl. 365-174.000.

Pang, Teng-Ke J.: *See—*

Morris, Michael D.; Pang, Teng-Ke J.; and Peck, Konan, 4,795,262, Cl. 356-436.000.

Pang, Wing S.: *See—*

Okawa, Dobson; Pang, Wing S.; Ngo, Dang; and Shibata, George, 4,858,155, Cl. 364-557.000.

Pangaea Enterprises, Inc.: *See—*

Curlett, Harry B., 4,799,544, Cl. 166-65.100.

Curlett, Harry B., 4,836,305, Cl. 175-215.000.

Pangborn Corporation: *See—*

Long, William W., III, 4,875,309, Cl. 51-419.000.

Pangrazi, Ronald; and Walker, James L., to National Starch and Chemical Corporation. Heat resistant binders. 4,859,508, 8-22-89, Cl. 427-389.900.

Panhorst, Wolfgang: *See—*

Claussen, Nils; Petzow, Gunter; Nieszery, Katharina; Panhorst, Wolfgang; and Weisskopf, Karl-Ludwig, 4,855,259, Cl. 501-9.000.

Panian, Thomas L.: *See—*

Luttmer, David J.; Panian, Thomas L.; Wixey, Barry D.; and Wilson, Raymond L., 4,873,770, Cl. 33-706.000.

Panique, Kenneth L.; and Frank, Jeffrey B., to Omni Optical Products, Inc. Rotating reflector prism and target. 4,875,291, 10-24-89, Cl. 33-293.000.

Panis, Marc J. I. I. J.: *See—*

Wijnhoven, Jan M. A.; Vanhove, Henri C. J.; and Panis, Marc J. I. I. J., 4,802,657, Cl. 267-64.240.

Panitz, Paul: *See—*

Lendle, Hubert; Panitz, Paul; Seyfert, Wilfried; and Stops, Peter, 4,810,798, Cl. 546-353.000.

Panje, William R., to University of Iowa Research Foundation. Voice button prosthesis and method for installing same. 4,808,183, 2-28-89, Cl. 623-9.000.

Pankatz, Manfred, to Deutsche Rockwool Mineralwoll GmbH. Plate made of insulating material, in particular mineral fibers. 4,879,157, 11-7-89, Cl. 428-157.000.

Pankavich, John A.: *See—*

Wood, Irwin B.; and Pankavich, John A., 4,869,901, Cl. 424-115.000.

Pankhania, Mahendra G.; and Lewis, Colin J., to Boots Company plc, The. Therapeutic agents. 4,831,058, 5-16-89, Cl. 514-570.000.

Pankhania, Mahendra G.; and Meyer, Michael C., to Boots company plc, The. Therapeutic agents. 4,839,176, 6-13-89, Cl. 424-465.000.

Pankove, Jacques I., to General Electric Company. Insulating film having electrically conducting portions. 4,803,528, 2-7-89, Cl. 357-23.100.

Pankove, Jacques I., to University of Colorado Foundation, Inc. Semiconductor light emitting device. 4,862,471, 8-29-89, Cl. 372-45.000.

Pankow, Chester W. Supplemental air valve for internal combustion engine. 4,852,539, 8-1-89, Cl. 123-587.000.

Pankow, James F.: *See—*

Johnson, Richard L.; Cherry, John A.; and Pankow, James F., 4,811,599, Cl. 73-155.000.

Pankow, Mark L. Contact lens cleaning apparatus. 4,872,965, 10-10-89, Cl. 204-299.00R.

Pankowiak, Christian: *See—*

Bertin, Patrice; Sevennec, Yvon; and Pankowiak, Christian, 4,828,093, Cl. 192-90.000.

Pankowiecki, Joseph, to Westinghouse Electric Corp. Adjustable oil ejector. 4,838,953, 6-13-89, Cl. 137-625.300.

Pankratov, Michail M.; and Pomerantzeff, Oleg, to Eye Research Institute of Retina Foundation. Endophotocoagulation probe. 4,865,029, 9-12-89, Cl. 128-303.100.

Pankratz, Allan W.; Matysek, Bogumil J.; and Mendelson, Ralph A., to Allied-Signal Inc. Composite compressor wheel for turbochargers. 4,850,802, 7-25-89, Cl. 416-213.00R.

Pankratz, Richard P., to Du Pont de Nemours, E. I., and Company. Adherable polyester film. 4,882,379, 11-21-89, Cl. 524-590.000.

Pankratz, Richard P., to Du Pont de Nemours, E. I., and Company. Adherable polyster film. 4,888,381, 12-19-89, Cl. 524-751.000.

Pankratz, Thomas J., to Du Pont de Nemours, E. I., and Company. Immunoassay for CK-MB using bound and soluble antibodies. 4,810,639, 3-7-89, Cl. 435-7.000.

Panmedica S.A.: *See—*

Laruelle, Claude; Lepant, Marcel; and Raynier, Bernard, 4,804,644, Cl. 514-640.000.

Pann, Keh, to Mobil Oil Corporation. Removal of surface multiples. 4,887,243, 12-12-89, Cl. 367-24.000.

Pannell, Minor W.; and Meadows, Alton L., to Tyler Pipe Industries, Inc. Mechanical pipe joint. 4,848,808, 7-18-89, Cl. 285-337.000.

Pannhorst, Wolfgang: *See—*

Lindig, Otto; and Pannhorst, Wolfgang, 4,851,372, Cl. 501-4.000.

Pannier, Gerard, to Regie Nationale des Usines Renault. Safety control device for an actuator of the flap solenoid valve type. 4,873,606, 10-10-89, Cl. 361-152.000.

Pannwitz, Karl-Heinz, to Dragerwerk Aktiengesellschaft. Wearable air sampling device. 4,848,166, 7-18-89, Cl. 73-864.730.

Pano Cap (Canada) Limited: *See—*

Nofer, Karl H., 4,848,613, Cl. 215-252.000.

Pano, Joseph, to ISCAR Ltd. Metal cutting tool with resilient insert clamp. 4,887,945, 12-19-89, Cl. 407-110.000.

Panocard International Establishment: *See—*

Grabner, Werner, 4,865,247, Cl. 229-92.100.

Panofski, Ernst: *See—*

Klein, Lutz; Panofski, Ernst; Eckstein, Gerd-Otto; Schmidt, Hans and Plischke, Josef, 4,801,323, Cl. 65-108.000.

Klein, Lutz; and Panofski, Ernst, 4,830,648, Cl. 65-54.000.

Klein, Lutz; Panofski, Ernst; and Kastl, Roland, 4,853,591, Cl. 313-493.000.

Panorama Plastics Ltd.: *See—*

McLean, Donald A., 4,833,807, Cl. 40-633.000.

Panosh, Richard: *See—*

Rapoport, Uri; and Panosh, Richard, 4,875,486, Cl. 128-653.000.

Panousis, Peter T., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Trench gate structures. 4,835,585, 5-30-89, Cl. 357-23.400.

Panoz, Donald E.; and Geoghegan, Edward J., to Eland Corporation P.L.C. Sustained absorption pharmaceutical composition. 4,820,521, 4-11-89, Cl. 424-458.000.

Panoz, Donald E., to Elan Corporation P.L.C. Drug delivery device. 4,822,617, 4-18-89, Cl. 424-449.000.

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Pansiera, Timothy. Bi-centric knee joint support. 4,802,467, 2-7-89, Cl. 128-88.000.

Panson, Armand J.; and Troy, Michael, to Westinghouse Electric Corp. Reactor coolant crud control by particulate scavenging and filtration. 4,842,812, 6-27-89, Cl. 376-306.000.

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Pant, Bharat B., to Honeywell Inc. Magnetoresistive magnetic sensor. 4,847,584, 7-11-89, Cl. 338-32.00R.

Pant, Paul: *See—*

Dahlmann, Peter; Jachowski, Johannes; Pant, Paul; and Stein, Gerald, 4,865,661, Cl. 148-325.000.

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Pantaleon-Stemberg, Gerd, to Dragerwerk Aktiengesellschaft. Filter case holder. 4,832,018, 5-23-89, Cl. 128-206.170.

Pantaleon-Stemberg, Gerd: *See—*

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Pantasote Inc.: *See—*

Pasqualini, Bruno, 4,834,471, Cl. 312-214.000.

Pantelleria, James E.: *See—*

Schreckendgust, Jay G.; Pantelleria, James E.; and Bergeron, Mark M., 4,879,734, Cl. 378-57.000.

Panter, Barry L.: *See—*

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Panter, Samuel S.: *See—*

Hedlund, Bo E.; Hallaway, Philip E.; Panter, Samuel S.; and Eaton, John W., 4,863,964, Cl. 514-575.000.

Pantini, Giovanni: *See—*

Brunetta, Fabio; Bader, Stefano; and Pantini, Giovanni, 4,803,067, Cl. 424-63.000.

Pantoliano, Michael W.; and Ladner, Robert C., to Genex Corporation. Computer-based method for designing stablized proteins. 4,853,871, 8-1-89, Cl. 364-496.000.

Panton, George S., Jr. Stretchable necktie. 4,839,925, 6-20-89, Cl. 2-146.000.

Pantone, Richard S.: *See—*

Potter, Terry A.; Pantone, Richard S.; and Carter, Russell P., Jr., 4,814,103, Cl. 252-182.220.

Pantucek, Peter: *See—*

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Panunto, Thomas W.: *See—*

Etter, Margaret C.; Frankenbach, Gayle M.; and Panunto, Thomas W., 4,839,536, Cl. 307-425.000.

Panus, Irenaeus S.: *See—*

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Morris, Robert A.; Mitsch, James M.; Panus, Irenaeus S.; Yu, Yuet-Ying; and Castonguay, Roger N., 4,803,774, Cl. 29-622.000.

Panuska, Andrew J.: *See—*

Gartside, Charles H., III; Panuska, Andrew J.; and Patel, Parbhubhai D., 4,826,278, Cl. 350-96.230.

Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey R.; Santana, Manuel R., and Webster, George H., 4,844,575, Cl. 350-96.230.

Panuski, William R. Potter's grate. 4,860,491, 8-29-89, Cl. 47-66.000.

Panza, Victor F.; Rosso, Alejandro; and Gayuli, Daniel A., to Minnesota Mining and Manufacturing Company. Composite prelaminated tape system. 4,801,480, 1-31-89, Cl. 428-40.000.

Panzani, Ivo, to Dideco S.p.A. Continous blood centrifugation cell. 4,859,333, 8-22-89, Cl. 210-360.200.

Panzani, Ivo, to Dideco S.p.A. Blood centrifugation cell. 4,879,031, 11-7-89, Cl. 210-360.200.

Panzarella, James S.: *See—*

Pielechowski, Craig A.; and Panzarella, James S., 4,887,724, Cl. 211-11.000.

Panzer, Hans P.: *See—*

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Panzer, Werner: *See—*

Babsch, Alfred; Beth, Dieter; Panzer, Werner; and Stempfle, Johann, 4,827,124, Cl. 250-231.0SE.

Panzera, Carlino; and De Luca, Robert, to Dentsply International Inc. Porcelain dental restoration having a plurality of uniform, color-matched layers. 4,828,117, 5-9-89, Cl. 206-63.500.

Panzica, Ignatius J., to Custom Chrome, Inc. Motorcycle gasket and assembly. 4,836,158, 6-6-89, Cl. 123-193.0CH.

Panzica, Ignatius J., to Custom Chrome, Inc. Motorcycle speedometer-tachometer. 4,848,154, 7-18-89, Cl. 73-493.000.

Panzica, Ignatius J., to Custom Chrome, Inc. Motorcycle breather valve adjustment system and method. 4,869,213, 9-26-89, Cl. 123-73.0AD.

Panzica, Ignatius J.; and Hoeptner, Herbert W., to Custom Chrome, Inc. Motorcycle wheel hub and flange assembly. 4,880,280, 11-14-89, Cl. 301-105.00B.

Panzzolo, Aldo, to Owens-Illinois Plastic Products Inc. Carrier for bottles. 4,872,549, 10-10-89, Cl. 206-158.000.

Pao, Cheng K.: *See—*

Chen, James C.; Wong, Wah S.; and Pao, Cheng K., 4,800,420, Cl. 357-76.000.

Pao, David S. C. Bipolar probes for ophthalmic surgery and methods of performing anterior capsulotomy. 4,805,616, 2-21-89, Cl. 128-303.170.

Pao, David S. C. Rotating stylus cystitome. 4,885,004, 12-5-89, Cl. 604-22.000.

Pao, Liem T.; Yuen, Yeong H.; and Wu, Dan T., to Panamas, P. T. Cutting apparatus for living plant materials. 4,796,821, 1-10-89, Cl. 241-101.200.

Paole, Henri; and Ronjat, Alain, to La Spirotechnique Industrielle et Commerciale. Breathing apparatus for diving. 4,809,691, 3-7-89, Cl. 128-200.290.

Paolella, Arthur; and Herczfeld, Peter R., to United States of America, Army. Optical gain control of GaAs microwave monolithic integrated circuit distributed amplifier. 4,859,965, 8-22-89, Cl. 330-285.000.

Paolella, Arthur, to United States of America, Army. Method of making a millimeter wave monolithic integrated circuit. 4,861,426, 8-29-89, Cl. 156-644.000.

Paoli, Thomas L.; Burnham, Robert D.; and Thornton, Robert L., to Xerox Corporation. Incoherent optically coupled laser arrays with increased spectral width. 4,831,629, 5-16-89, Cl. 372-50.000.

Paoli, Thomas L.: *See—*

Streifer, William; Burnham, Robert D.; and Paoli, Thomas L., 4,799,223, Cl. 372-24.000.

Thornton, Robert L.; and Paoli, Thomas L., 4,802,182, Cl. 372-50.000.

Paolillo, Michael. Practice putting game. 4,875,682, 10-24-89, Cl. 273-176.00F.

Paolini, Maurizio: *See—*

Melgara, Marcello; Paolini, Maurizio; and Torolla, Maura, 4,823,307, Cl. 364-900.000.

Paoluccio, John A. Closed hydraulic system with drying means. 4,827,719, 5-9-89, Cl. 60-478.000.

Paone, Donald J.: *See—*

Mizusawa, Eugene A.; Paone, Donald J.; Casella, Tracey L.; Flores, Dorothy L.; Choy, Clement K.; Gerritsen, Jan; Heiskell, Ronald E.; Dewees, Thomas G.; and Ellgen, Jon L., 4,882,917, Cl. 68-17.00A.

Pap, Endre: *See—*

Jaki, Laszlo; Jodal, Sandor; Mandzsu, Jozsef; and Pap, Endre, 4,823,490, Cl. 40-449.000.

Pap, Laszlo: *See—*

Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.

Papa, Alyce J.: *See—*

Small, Leonard E.; Garrison, Paul H., Jr.; Winkler, William M.; Seaman, Sharon A.; and Papa, Alyce J., 4,812,253, Cl. 252-132.000.

Papa, Ralph A.; and Koser, James R., to Du Pont de Nemours, E. I., and Company. Electrical terminator device. 4,881,902, 11-21-89, Cl. 439-76.000.

Papadakis, Emmanuel P.: *See—*

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Papageorgiou, George: *See—*

Jones, Norman B.; and Papageorgiou, George, 4,837,777, Cl. 374-142.000.

Papahadjopoulos, Demetrios P.; and Heath, Timothy D., to University of California, The Regents of the. Cell agglutination reagent comprising conjugates of antibody covalently bound to liposomes. 4,806,466, 2-21-89, Cl. 435-7.000.

Papalos, John G., to Diamond Shamrock Chemicals Company. Phosphated acrylates of alkoxylated alcohols. 4,800,229, 1-24-89, Cl. 558-92.000.

Papandrea, Rocco A., to North American Aqua. Portable water purifier. 4,849,100, 7-18-89, Cl. 210-138.000.

Papanicolaou, E. S. Transformer dimmer circuit. 4,868,460, 9-19-89, Cl. 315-200.00R.

Papanicolaou, Nicolas A.: *See—*

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Papanikolau, Emmanuel; and Ebben, Leonard T. M., to U.S. Philips Corporation. Method of purifying quartz sand. 4,804,422, 2-14-89, Cl. 134-28.000.

Papanikolau, Emmanuel: *See—*

Oversluizen, Gerrit; Papanikolau, Emmanuel; and Spierings, Gijsbertus A. C. M., 4,814,105, Cl. 252-301.40F.

Pluijms, Rene A. M.; Papanikolau, Emmanuel; Jongeling, Leendert B.; and Van Esdonk, Johannes M. A., 4,854,956, Cl. 65-2.000.

Papantoniou, Christos; and Mahieu, Claude, to L'Oreal. Cosmetic composition containing an amide-amine type condensate, and a cosmetic treating process using said condensate. 4,844,889, 7-4-89, Cl. 424-70.000.

Papantoniou, Christos: *See—*

Mahieu, Claude; and Papantoniou, Christos, 4,859,460, Cl. 424-72.000.

Papapetros, Peter A. Motor vehicle servicing tool. 4,872,644, 10-10-89, Cl. 254-10.500.

Paparatto, Giuseppe, to Montedipe S.p.A. Process for the catalytic trans-halogenation of a poly-iodo-benzene. 4,808,759, 2-28-89, Cl. 570-202.000.

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Paparatto, Giuseppe; and Gregorio, Guglielmo, to Montedipe S.p.A. Process for the manufacture of iodine. 4,857,295, 8-15-89, Cl. 423-502.000.

Paparizos, Christos; Shaw, Wilfrid G.; and Callahan, James L., to Standard Oil Company, The. Process for one step esterification using an intermetallic palladium based catalyst system. 4,877,898, 10-31-89, Cl. 560-208.000.

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Leff, Alan A.; Metcalfe, Joseph E.; Velenyi, Louis J.; and Paparizos, Christos, 4,822,940, Cl. 585-415.000.

Papay, Andrew G., to Ethyl Petroleum Additives, Inc. Shift-feel durability enhancement. 4,795,583, 1-3-89, Cl. 252-77.000.

Papay, Andrew G.; and O'Brien, Joseph P., to Ethyl Petroleum Additives, Inc. Homogeneous additive concentrates and their formation. 4,855,074, 8-8-89, Cl. 252-51.50A.

Papay, Andrew G.; and Hartley, Rolfe J., to Ethyl Petroleum Additives, Inc. Oil-soluble phosphorus antiwear additives for lubricants. 4,857,214, 8-15-89, Cl. 252-32.500.

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Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.

Pape, David D., to Polaroid Corporation. Electronic imaging camera utilizing EPROM memory. 4,803,554, 2-7-89, Cl. 358-209.000.

Pape, David D., to Polaroid Corporation. System and method for formatting a composite still and moving image defining electronic information signal. 4,819,059, 4-4-89, Cl. 358-12.000.

Pape, David D.; and Green, Allan C., to Polaroid Corporation. Apparatus for encoding and decoding high resolution still images and video images for recording on a standard storage media. 4,825,301, 4-25-89, Cl. 358-335.000.

Pape, David D., to Polaroid Corporation. Electronic image processing circuit. 4,829,585, 5-9-89, Cl. 382-41.000.

Pape, Douglas B.: *See—*

Stulen, Foster B.; Pape, Douglas B.; and Williams, William J., 4,869,233, Cl. 126-374.000.

Pape, Francois J.: *See—*
  Dubois, Pierre G.; Lognone, Francois M.; and Pape, Francois J., 4,851,242, Cl. 426-74.000.
Papenberg, Robert L., to Saxpy Computer Corporation. Data alignment system for random and block transfers of embedded subarrays of an array onto a system bus. 4,841,435, 6-20-89, Cl. 364-200.000.
Papenberg, Robert L.: *See—*
  Nicely, Mark C.; Leavitt, Ronald; Mannion, Joel; Schreiber, Rob; Lang, Gary R.; Papenberg, Robert L.; and Straub, Joseph E., 4,839,801, Cl. 364-200.000.
Papenbrock, Francis X.; and Holcombe, Glenn C. Gutter assembly with cleaning system. 4,852,308, 8-1-89, Cl. 52-12.000.
Papenfuhs, Theodor, to Hoechst Aktiengesellschaft. Process for the preparation of 2-aminophenyl thioethers. 4,808,752, 2-28-89, Cl. 564-414.000.
Papenfuhs, Theodor: *See—*
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  Brodt, Werner; and Papenfuhs, Theodor, 4,851,575, Cl. 564-87.000.
Papenhagen, Dieter; Klemm, Eberhard; and Steilner, Aurel, to Daimler-Benz Aktiengesellschaft. Actuating linkage for a clutch. 4,846,012, 7-11-89, Cl. 74-512.000.
Paper Converting Machine Company: *See—*
  Bertolini, Robert; and Arveson, Bernard A., 4,822,328, Cl. 493-425.000.
  Bradley, John J., 4,856,725, Cl. 242-66.000.
  DuFresne, Allen J., 4,824,426, Cl. 493-346.000.
  Hertel, James E., 4,821,613, Cl. 83-13.000.
  Hertel, James E.; and Buxton, Gerry, 4,828,195, Cl. 242-66.000.
  Ziegelhoffer, Paul, 4,820,254, Cl. 493-194.000.
Paper Converting Machine GmbH: *See—*
  Bohrmann, Kurt, 4,864,803, Cl. 53-527.000.
  Meyer, Dieter, 4,874,078, Cl. 198-409.000.
  Meyer, Dieter, 4,875,328, Cl. 53-529.000.
Paper P.S. Inc.: *See—*
  Copeland, Judith, 4,846,397, Cl. 229-102.000.
Paperboard Industries Corporation: *See—*
  Atkinson, William G.; and Dews, Thomas K., 4,867,373, Cl. 229-117.160.
  Dagostine, Leslie J., 4,834,240, Cl. 206-459.000.
  Zimmermann, John, 4,871,071, Cl. 206-628.000.
Paperless Accounting, Inc.: *See—*
  Halpern, John W., 4,877,950, Cl. 235-487.000.
Papesh, Thomas S. Floor puller to straighten a bent member. 4,836,010, 6-6-89, Cl. 72-447.000.
Papez, Stephen M.: *See—*
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Papezyk, Francois: *See—*
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Papi, Adolfo: *See—*
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  Pietsch, Gunter; and Schrader, Karl-Heinz, 4,824,823, Cl. 503-201.000.
Papiernik, Raymond S. Stereo headphone. 4,821,323, 4-11-89, Cl. 381-25.000.
Papov, Zelko. One-piece foldable frame assembly. 4,819,354, 4-11-89, Cl. 40-154.000.
Papp, David J. Adjustable floor drain apparatus. 4,883,590, 11-28-89, Cl. 210-164.000.
Papp, Istvan: *See—*
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  Szucs, Laszlo; Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, 4,813,237, Cl. 60-670.000.
Pappanikolaou, Sofia. Chainbar. 4,885,907, 12-12-89, Cl. 59-78.000.
Pappas, Daniel S., to United States of America, Energy. Fusion pumped laser. 4,800,566, 1-24-89, Cl. 372-73.000.
Pappas, Daniel S., to United States of America, Energy. Fusion pumped light source. 4,835,787, 5-30-89, Cl. 372-73.000.
Pappas, Greg. Shutter control apparatus. 4,797,567, 1-10-89, Cl. 307-66.000.
Pappas, Vincent J., to United Ropeworks (U.S.A.) Inc. Method and apparatus for aerial installation of fiber optic cables. 4,832,442, 5-23-89, Cl. 350-96.230.
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Papritz, Franz; and Widmer, Hansruedi, to Haag-Streit AG. Stereo microscope and stereo changer. 4,838,671, 6-13-89, Cl. 350-516.000.
Paprotny, Jerzy: *See—*
  Middleton, Ian P.; and Paprotny, Jerzy, 4,798,607, Cl. 623-1.000.
Papst, Georg, to Papst-Motoren GmbH & Co. KG. Replaceable circuit board mounting system in outer rotor motors. 4,800,307, 1-24-89, Cl. 310-67.00R.
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Papst, Gero; Hauk, Rolf; and Maschlanka, Walter. Process for producing gas containing CO and H_2. 4,865,626, 9-12-89, Cl. 48-210.000.
Papst, Gero; and Nagl, Michael, to Korf Engineering GmbH, and Voest-Alpine Aktiengesellschaft. Apparatus for cooling a hot product gas. 4,874,037, 10-17-89, Cl. 165-47.000.
Papst, Gero: *See—*
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  Hauk, Rolf; Lang, Peter; and Papst, Gero, 4,846,449, Cl. 266-172.000.
  Hauk, Rolf; and Papst, Gero, 4,857,105, Cl. 75-38.000.
  von Bogdandy, Ludwig; Kepplinger, Werner; Stift, Kurt; Papst, Gero; and Hauk, Rolf, 4,861,369, Cl. 75-38.000.
Papst-Motoren GmbH & Co. KG: *See—*
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  Elsasser, Dieter; and von der Heide, Johann, 4,843,500, Cl. 360-97.020.
  Engelberger, Raimund; Harmsen, Siegfried; Kirchgessner, Hilmar; and Schneider, Josef, 4,886,415, Cl. 415-119.000.
  Harmsen, Siegfried; and Wrobel, Gunter, 4,806,081, Cl. 417-354.000.
  Muller, Rolf, 4,804,892, Cl. 318-254.000.
  Muller, Rolf, 4,806,832, Cl. 318-334.000.
  Muller, Siegfried, 4,884,000, Cl. 310-268.000.
  Papst, Georg, 4,800,307, Cl. 310-67.00R.
  von der Heide, Johann, 4,882,511, Cl. 310-67.00R.
  Wrobel, Gunter, 4,801,252, Cl. 417-354.000.
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Papuchon, Michel: *See—*
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  Matzner, Markus; Winslow, Paul A.; and Papuga, Donald M., 4,870,155, Cl. 528-171.000.
Papurt, David M.; and Cohen, David A., to Laser Metric Systems, Inc. Method and device for measuring inside diameters using a laser interferometer and capacitance measurements. 4,816,744, 3-28-89, Cl. 324-61.00R.
Papworth, David B.: *See—*
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Papworth, Raymond C.: *See—*
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Paque, Michael W., to Kroy Inc. Unitary tape-ribbon cartridge for lettering system. 4,844,636, 7-4-89, Cl. 400-208.000.
Paquer, Daniel: *See—*
  Born, Maurice; Briquet, Lucienne; Parc, Guy; and Paquer, Daniel, 4,795,576, Cl. 252-45.000.
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Paquet, Jean, to Centre Experimental de Recherche et d'Etudes du Batiment. Method and device for mechanical testing of civil engineering structure surfacings. 4,881,405, 11-21-89, Cl. 73-146.000.
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Paquette, Edmund T.; and Beam, John W., to Wright Line, Inc. Storing and dispensing system. 4,878,583, 11-7-89, Cl. 211-41.000.
Paquette, Edward L.: *See—*
  Arenz, David L.; Paquette, Edward L.; and Simpson, Marc G., 4,863,798, Cl. 428-368.000.
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Paquin, Jacques: *See—*
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  Despres, Dominique; and Paquin, Jacques, 4,820,239, Cl. 464-68.000.
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PAR Microsystems, Inc.: *See—*
  Miller, Phillip; Shindley, Richard P.; Feltz, Kristi T.; Hanson, George E.; and White, Jonathan R., 4,882,475, Cl. 235-383.000.
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Park, Pyong K.; and Eisenhart, Robert L., to Hughes Aircraft Company. Matched dual mode waveguide corner. 4,795,993, 1-3-89, Cl. 333-249.000.
Park, Robert E.: *See—*
Havens, Terry L.; and Park, Robert E., 4,808,078, Cl. 417-38.000.
Park, Ronald S.; Clements, John A.; and Maloney, William H., to Henderson's Federal Spring Works Pty. Ltd. Vandal resistant seat. 4,828,908, 5-9-89, Cl. 4-?3-247.000.
Park, Roy, to Gullick Dobson Limited. Mine roof supports. 4,797,023, 1-10-89, Cl. 405-291.000.
Park, Sa Ng B.: *See—*
Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.
Park, Sea C.; and Park, In P. Cleaner assembly, humidifier, gas alarm and detoxification system. 4,839,014, 6-13-89, Cl. 204-265.000.
Park, Steve S. Windshield protective device. 4,823,859, 4-25-89, Cl. 160-370.200.
Park, Sung-Joon: *See—*
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Park, Yong K., to Honeywell Inc. Contrast enhancement of optical images with nonlinear media. 4,822,147, 4-18-89, Cl. 350-354.000.
Park, Yong S., to Goldstar Co., Ltd. Color plasma display panel making use of a multiple substrate. 4,814,758, 3-21-89, Cl. 340-771.000.
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Park, Young Go. Portable practicing putting green. 4,886,274, 12-12-89, Cl. 273-176.0FB.
Park, Young Sung: *See—*
Choi, Tai J., 4,802,435, Cl. 114-360.000.
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Dabrowski, Roman; Dziaduszek, Jerzy; Szczucinnski, Tomasz; Drzewinski, Witold; Stolarz, Zofia; Zmija, Jozef; Parka, Janusz; and Sosnowska, Bozena, 4,849,130, Cl. 252-299.610.
Parkander, Gothe A. C., to TH Stralfors AB. Method and apparatus for folding, stacking and separating continuous forms in a moving web. 4,846,454, 7-11-89, Cl. 270-5.000.
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Davies, Robert L., 4,841,770, Cl. 73-290.00V.
Parke, Judith M.: *See—*
Dyson, Nicholas J.; Pashby, David P.; and Parke, Judith M., 4,889,606, Cl. 204-182.800.
Parker, A. Bruce. Roll form medical bandaging product and method of constructing same. 4,869,046, 9-26-89, Cl. 53-416.000.
Parker, Alan; and Davidson, Colin, to Dowell Schlumberger Incorporated. Process for retarding and controlling the formation of gels or precipitates derived from aluminium and corresponding compositions, plus the corresponding applications-in particular regarding oil wells. 4,889,563, 12-26-89, Cl. 106-287.170.
Parker, Alexander L.: *See—*
Jacobsen, Thomas; and Parker, Alexander L., 4,827,991, Cl. 140-93.600.
Parker, Alonzo E. Passive exercising apparatus. 4,827,913, 5-9-89, Cl. 128-25.00R.
Parker, Alonzo E., Jr. Oscillating reclining chair. 4,860,733, 8-29-89, Cl. 128-25.00R.
Parker, Birch F. Flexible joint for connecting two pipes. 4,856,822, 8-15-89, Cl. 285-62.000.
Parker, Bruce H. Bicycle pairing apparatus. 4,834,410, 5-30-89, Cl. 280-209.000.
Parker, Byron M.: *See—*
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Parker Chemical Company: *See—*
Reghi, Gary A., 4,812,175, Cl. 148-258.000.
Parker, Colin R., to Kalamazoo plc; and Bowe Systems and Machinery (UK) Limited. Machines for collating forms. 4,851,075, 7-25-89, Cl. 156-556.000.
Parker, Dane K., to Goodyear Tire & Rubber Company, The. Method of chemically bonding antioxidants into polymeric materials. 4,806,447, 2-21-89, Cl. 525-263.000.
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Colvin, Howard A.; Cottman, Kirkwood S.; and Parker, Dane K., 4,853,478, Cl. 560-32.000.
Parker, Daniel, to Beloit Corporation. Method and apparatus for headbox jet velocity measurement. 4,856,895, 8-15-89, Cl. 356-28.000.
Parker, David. Submersible drive means. 4,843,998, 7-4-89, Cl. 114-315.000.
Parker, David A., to United Technologies Automotive, Inc. Control arrangement for vehicle memory seat. 4,845,620, 7-4-89, Cl. 364-424.050.
Parker, David A.: *See—*
Dunn, Michael; and Parker, David A., 4,824,686, Cl. 426-532.000.
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Parker, David C.: *See—*
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Parker, David H. Battery terminal post protector. 4,871,628, 10-3-89, Cl. 429-96.000.
Parker, David J.: *See—*
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Parker, David R.; and Gliever, John H., to Hewlett-Packard Company. Optical feedback isolator. 4,844,593, 7-4-89, Cl. 350-400.000.
Parker, Delmer G.; and Allen, William M., Jr., to Xerox Corporation. Single pass highlight color printer including a scavengeless developer housing. 4,833,504, 5-23-89, Cl. 355-326.000.
Parker, Delmer G.; May, Jerome E.; and Allen, William M., Jr., to Xerox Corporation. Highlight color imaging apparatus. 4,847,655, 7-11-89, Cl. 355-210.000.
Parker, Delmer G.: *See—*
Allen, William M., Jr.; Parker, Delmer G.; and Stark, Howard M., 4,868,608, Cl. 355-303.000.
Parker, Dennis W.; and Lakin, David F., to Dowty Hydraulic Units Limited. Fluid control devices. 4,796,655, 1-10-89, Cl. 137-83.000.
Parker, Donald A.; and Rogers, Wayne W., to Allon Laboratories, Inc. Method of providing pneumatic drive for closing a scissors. 4,850,377, 7-25-89, Cl. 128-898.000.
Parker, Donald L.; Hall, Kenneth R.; and Holste, James C., to Texas A&M University System, The. Method of producing a silicon film with micropores. 4,801,380, 1-31-89, Cl. 210-500.210.
Parker, Donald L.; Reuter, David F.; and Roussel, Patrick, to General Motors Corporation. Isolation valve bypass for master cylinder brake fluid in wheel lock control system. 4,859,001, 8-22-89, Cl. 303-92.000.
Parker, Donald O., to Parker Engineering & Manufacturing Co. Coin analyzer system and apparatus. 4,884,672, 12-5-89, Cl. 194-318.000.
Parker, Edward: *See—*
Parker, Jeffery L.; and Parker, Edward, 4,884,214, Cl. 364-505.000.
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Parker Engineering & Manufacturing Co.: *See—*
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Parker, Eric B.: *See—*
Thommen, Robert L.; and Parker, Eric B., 4,881,912, Cl. 439-585.000.
Parker-Ermeto GmbH: *See—*
Schulze, Dieter, 4,884,451, Cl. 73-706.000.
Parker, Fabienne: *See—*
Jolles, Pierre; Migliore-Samour, Daniele; and Parker, Fabienne, 4,851,509, Cl. 530-329.000.
Parker, Frank I. Garden hose protector. 4,803,858, 2-14-89, Cl. 70-231.000.
Parker, Geoffrey C., to Parker Limited. Roof structure. 4,856,236, 8-15-89, Cl. 52-11.000.
Parker, George C.: *See—*
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Parker, Graham A.; Mayer, Rene J. R.; Taylor, Ian G.; and Bailey, David G., to European Economic Community. Target tracking system. 4,866,362, 9-12-89, Cl. 318-368.100.

- Parker, Graham J., to Cheetham, Jeffery James. Dental amalgam alloy. 4,859,240, 8-22-89, Cl. 75-251.000.
- Parker Hannifin Corporation: *See—*
  - Bragg, Kenneth R., 4,834,187, Cl. 169-62.000.
  - Church, John F.; and Neff, Steve A., 4,855,041, Cl. 210-120.000.
  - Dlugokecki, Andrew N., 4,813,856, Cl. 418-61.300.
  - Dlugokecki, Andrew N., 4,824,347, Cl. 418-61.300.
  - Dlugokecki, Andrew N., 4,881,880, Cl. 418-61.300.
  - Duenes, Patricia; Kenyon, Richard L.; Scapes, John N.; Schild, Eugene H.; and Strong, Arthur P., 4,831,833, Cl. 62-140.000.
  - Ellison, John E., 4,880,205, Cl. 251-30.020.
  - Froberg, Robert W.; Pratt, Thomas E.; Grider, Bruce A.; and Miller, Otto C., 4,815,572, Cl. 188-251.00M.
  - Johnson, J. Les; and Hanning, John R., 4,825,907, Cl. 137-625.250.
  - Lo, Lawrence Y.; and Thomas, Dwight J., 4,863,604, Cl. 210-490.000.
  - Lu, Chang-shi, 4,813,445, Cl. 137-38.000.
  - MacLeod, Edward N., 4,836,760, Cl. 418-166.000.
  - Miller, Daniel W.; and Cella, Albert F., 4,815,493, Cl. 137-454.500.
  - Patel, Hiralal V., 4,867,489, Cl. 285-342.000.
  - Popoff, Peter; Stone, Walter H.; and Church, John F., 4,836,923, Cl. 210-232.000.
  - Schaefer, Christopher E., 4,846,219, Cl. 137-557.000.
  - Scholz, Daniel E., 4,854,824, Cl. 417-69.000.
  - Shane, Bruce E.; Leady, Keith D.; Conner, Wayne L.; and Cella, Albert F., 4,867,095, Cl. 116-204.000.
  - Sheng, Shih Y., 4,825,748, Cl. 91-171.000.
  - Viola, Frank J., 4,825,226, Cl. 343-901.000.
  - Woodruff, Frank, 4,805,470, Cl. 74-7.00C.
- Parker Hannifin RAK: *See—*
  - Badoureaux, Jean-Pierre, 4,854,345, Cl. 137-614.050.
- Parker, Ivan: *See—*
  - Weekley, David L.; and Parker, Ivan, 4,840,297, Cl. 222-607.000.
- Parker, James A.: *See—*
  - Sovis, Milo D., Jr.; and Parker, James A., 4,817,240, Cl. 16-297.000.
- Parker, James E., to V-Tech, Inc. Antibody testing system. 4,797,260, 1-10-89, Cl. 422-101.000.
- Parker, James L.: *See—*
  - Johnson, Russell R.; and Parker, James L., 4,863,409, Cl. 441-80.000.
- Parker, James W.: *See—*
  - Heeks, John S.; Bone, Michael C.; Jones, Emlyn; and Parker, James W., 4,834,538, Cl. 356-350.000.
- Parker, Janice P.: *See—*
  - Yananton, Patrick; and Parker, Janice P., 4,840,140, Cl. 119-1.000.
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- Parker, Jeffrey L.; and Parker, Edward, to Parker Electronics, Inc. Bypass controller and bypass system. 4,829,447, 5-9-89, Cl. 364-505.000.
- Parker, Jeffrey L.; and Parker, Edward, to Parker Electronics, Inc. Thermostat control system. 4,843,084, 6-27-89, Cl. 364-505.000.
- Parker, Jeffrey R., to Lumitex, Inc. Fiber optic light emitting panel and method of making same. 4,885,663, 12-5-89, Cl. 362-32.000.
- Parker, Joel E.: *See—*
  - Stoltze, Christopher L.; and Parker, Joel E., 4,815,936, Cl. 416-9.000.
- Parker, John A., to United Kingdom Atomic Energy Authority. Electrical signal discrimination. 4,829,490, 5-9-89, Cl. 367-98.000.
- Parker, John A.; Feldman, Rubin; and Bryant, Robert L., to Thermal Science, Inc. Method for producing ammonium polyphosphate. 4,832,928, 5-23-89, Cl. 423-315.000.
- Parker, John G., to Johns Hopkins University, The. Two-band optical comparator for use with chopped CW singlet oxygen monitor. 4,827,938, 5-9-89, Cl. 128-633.000.
- Parker, John P.; and Stein, Paul J., to U.S. Philips Corporation. Packet radio. 4,864,564, 9-5-89, Cl. 370-94.100.
- Parker, Joseph W. Hydraulic transmissions. 4,800,779, 1-31-89, Cl. 74-688.000.
- Parker, Keith E.; and Scott, Martin G., to Thorn Emi plc. High pressure discharge lamp with overhung end arc tube and cermet ends. 4,808,882, 2-28-89, Cl. 313-625.000.
- Parker, Kent; Batchelder, Bruce; and Clavette, Norman, to Davidson Textron Inc. Method for forming recyclable pour tool. 4,860,815, 8-29-89, Cl. 164-47.000.
- Parker, L. A. Removable door lock. 4,865,369, 9-12-89, Cl. 292-291.000.
- Parker Limited: *See—*
  - Parker, Geoffrey C., 4,856,236, Cl. 52-11.000.
- Parker, Lorne A.; Hanrahan, Steven R.; and Kleiner, Julian, to 1K Music International Ltd. Method and apparatus for producing an audio magnetic tape recording at high speed from a preselected music library. 4,851,931, 7-25-89, Cl. 360-15.000.
- Parker, Louis W. Energy economizing AC power system. 4,864,212, 9-5-89, Cl. 318-798.000.
- Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGuirk, Thomas; Potter, Daniel R.; and Potter, Stephen F., to Nike, Inc. and Nike International Ltd. Footwear with adjustable viscoelastic unit. 4,817,304, 4-4-89, Cl. 36-114.000.
- Parker, Michael A. Electrician's level. 4,888,880, 12-26-89, Cl. 33-645.000.
- Parker, Norman W.; Turnbull, William G.; and Robinson, William P., to Microbeam Inc. Integrated charge neutralization and imaging system. 4,818,872, 4-4-89, Cl. 250-309.000.
- Parker, Paul H., to Telescope Casual Furniture, Inc. Adjustable lounge chair. 4,867,505, 9-19-89, Cl. 297-27.000.
- Parker Pen (Benelux) B.V.: *See—*
  - Jones, Owen S., 4,806,038, Cl. 401-86.000.
- Parker, Philippe: *See—*
  - Joubert, Daniel; and Parker, Philippe, 4,832,862, Cl. 252-135.00
  - Joubert, Daniel; and Parker, Philippe, 4,844,831, Cl. 252-140.00
- Parker, Phillip H., to Chevron Research Company. Styrene alkylbenzene copolymers and sulfonates thereof and method of making. 4,816,185, 3-28-89, Cl. 252-549.000.
- Parker, Raymond G., to W. R. Grace & Co.-Conn. Method for salting meat. 4,871,561, 10-3-89, Cl. 426-281.000.
- Parker, Richard D. Combination fluid collection and disposal apparatus. 4,863,446, 9-5-89, Cl. 604-317.000.
- Parker, Richard G.: *See—*
  - Rahrig, Douglas B.; Magistro, Angelo J.; and Parker, Richard G., 4,801,627, Cl. 523-209.000.
- Parker, Richard W.; Beery, James P.; Boblitt, Donald L.; and Starr, Robert L., to Parker Sweeper Company. Mobile vacuum system for use with a riding tractor mower. 4,881,362, 11-21-89, Cl. 56-202.00
- Parker, Robert. Time-temperature indicator. 4,805,188, 2-14-89, Cl. 374-141.000.
- Parker, Robert. Treadmill having improved deck. 4,872,664, 10-10-89, Cl. 272-69.000.
- Parker, Robert: *See—*
  - Fergason, James L.; and Parker, Robert, 4,824,208, Cl. 350-276.0SL.
  - Fergason, James L.; and Parker, Robert, 4,832,458, Cl. 350-331.0R.
- Parker, Robert A. Orthodontic bracket. 4,867,678, 9-19-89, Cl. 433-8.000.
- Parker, Robert A.: *See—*
  - Elder, James W.; and Parker, Robert A., 4,842,345, Cl. 305-35.0EB.
- Parker, Robert H., to Autokraft Limited. Vehicle drive. 4,875,5[illegible], 10-24-89, Cl. 180-6.200.
- Parker, Robert J. Merchandising display stand. 4,865,283, 9-12-89, Cl. 248-159.000.
- Parker, Robert J. Business card dispenser. 4,887,739, 12-19-89, Cl. 221-232.000.
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- Parker, Robin Z.; and Cox, John D. Nuclear excited power generation system. 4,816,211, 3-28-89, Cl. 376-323.000.
- Parker, Robin Z.; Hanrahan, Robert J.; and Cox, John D., to Solar Reactor Space and Defense. Solar augmented power system. 4,848,087, 7-18-89, Cl. 60-641.150.
- Parker, Ronald: *See—*
  - Baglee, David A.; and Parker, Ronald, 4,830,981, Cl. 437-48.000.
- Parker, Sheldon: *See—*
  - Yananton, Patrick; and Parker, Sheldon, 4,800,841, Cl. 119-1.000.
- Parker Sweeper Company: *See—*
  - Parker, Richard W.; Beery, James P.; Boblitt, Donald L.; and Starr, Robert L., 4,881,362, Cl. 56-202.000.
- Parker Technology, Inc.: *See—*
  - Frink, Tommy S.; Reed, Lowell M.; Cochran, Dwayne V.; and McNair, Will L., 4,875,530, Cl. 175-27.000.
  - Gamboa, Gerardo; and Cochran, Dwayne V., 4,861,241, Cl. 417-454.000.
- Parker, Theodore L.; and Collins, G. Robert, to Dow Chemical Company, The. Plastic optical fiber for in vivo use having a bio-compatible polyureasiloxane copolymer, polyurethane-siloxane copolymer or polyurethaneureasiloxane copolymer cladding. 4,836,646, 6-6-89, Cl. 350-96.340.
- Parker, Theodore L.; Pedersen, David R.; and Pierini, Peter E., to Dow Chemical Company, The. Plastic optical fiber for in vivo use having a biocompatible polysiloxane cladding. 4,867,531, 9-19-89, Cl. 350-96.340.
- Parker, Thomas H. High temperature sealing device. 4,804,195, 2-14-89, Cl. 277-12.000.
- Parker, Thomas H.; and Flanigan, Virgil J. High efficiency gasifier with recycle system. 4,881,947, 11-21-89, Cl. 48-89.000.
- Parker, Thornton J., III. Traction device adapted to compensate for tire size variations resulting from inflation and road deflection. 4,886,10[illegible], 12-12-89, Cl. 152-219.000.
- Parker, Tim: *See—*
  - Ray, Robert; Neal, Robert A.; Jaran, John R.; and Parker, Tim, 4,875,581, Cl. 206-328.000.
  - Tighe, Laurence E.; and Parker, Tim, 4,864,089, Cl. 219-10.55E.
  - Tighe, Laurence E.; and Parker, Tim, 4,876,423, Cl. 219-10.55E.
- Parker, Timothy A.; and Jones, Colleen A. Removable stirup for water skis. 4,822,310, 4-18-89, Cl. 441-70.000.
- Parker, Trent J.; and Parker, Byron M., to Uni-Frac Inc. Vapor/liquid contact device and method of mixing a vapor flow and a counter current reflux liquid flow. 4,869,851, 9-26-89, Cl. 261-114.100.
- Parker, Trent J.; and Parker, Byron M., to Uni-Frac Inc. Vapor/liquid contact column structure. 4,872,955, 10-10-89, Cl. 202-154.000.
- Parker, Trevor: *See—*
  - Chatterjee, Devnandan; Harris, Neil V.; Parker, Trevor; Smith, Christopher; and Warren, Peter J., 4,866,172, Cl. 540-456.000.
- Parker, Valery: *See—*
  - Reed, Charles F.; and Parker, Valery, 4,799,696, Cl. 279-50.000.
- Parker, Wade: *See—*
  - Clark, Gary E., 4,874,182, Cl. 280-30.000.
- Parker, William A.; Bartos, Thomas E.; and Stewart, William M., to Ford Motor Company. Automotive shock absorber with unitary striker plate and closure cap. 4,884,665, 12-5-89, Cl. 188-322.170.

- Parker, William L.: *See—*
  - Meyers, Edward; and Parker, William L., 4,842,857, Cl. 424-116.000.
- Parker, William P. Screen printable luminous panel display device. 4,887,003, 12-12-89, Cl. 313-634.000.
- Parker, William S.; and Bradford, James C. Head-mounted analog retina test set. 4,850,690, 7-25-89, Cl. 351-205.000.
- Parkerson, James P.: *See—*
  - Luckett, Dirk R.; and Parkerson, James P., 4,879,680, Cl. 365-154.000.
- Parkes, Deborah L.: *See—*
  - Luciw, Paul; Parkes, Deborah L.; and Van Nest, Gary A., 4,876,089, Cl. 424-89.000.
- Parkes, Gregory E.: *See—*
  - Ziolkowski, Antoni M.; Hatton, Leslie; Parkes, Gregory E.; and Haugland, Tor-Avid, 4,868,794, Cl. 367-23.000.
- Parkes, Hugh R.: *See—*
  - Bolang, Per A.; and Parkes, Hugh R., 4,863,122, Cl. 244-221.000.
- Parkes, Larry J.: *See—*
  - Yeary, Robert L.; Parkes, Larry J.; and Fuhs, Norbert M., 4,832,544, Cl. 409-1[illegible]
- Parkes, Steven M.: *See—*
  - Bennett, Ronnie D.; and Parkes, Steven M., 4,800,432, Cl. 358-160.000.
- Parkhomenko, Alexandr I.; Dzjuban, Vitaly S.; and Moskalev, Eduard P. Explosion-proof electrical unit. 4,835,657, 5-30-89, Cl. 361-357.000.
- Parkhurst, Anthony D.; and Halpenny, Thomas J., to Hewlett-Packard Company. Apparatus and method for efficient plotting. 4,853,877, 8-1-89, Cl. 364-520.000.
- Parkhurst, Charles. Spring shield for starter drives for internal combustion engines. 4,852,708, 8-1-89, Cl. 192-45.000.
- Parkhurst, Larry E.: *See—*
  - Aten, Edward M.; and Parkhurst, Larry E., 4,823,982, Cl. 221-3.000.
- Parkin, Stuart S. P.: *See—*
  - Engler, Edward M.; Lee, Victor Y.; Nazzal, Adel I.; and Parkin, Stuart S. P., 4,870,052, Cl. 505-1.000.
- Parkins, Donald L. Locksmith's door spreading tool. 4,833,767, 5-30-89, Cl. 29-239.000.
- Parkinson Cowan Ltd.: *See—*
  - Homer, David W., 4,886,043, Cl. 126-39.00R.
- Parkinson, Dean B.: *See—*
  - Maloney, William F.; Hall, Deborah K.; Parkinson, Dean B.; Bergren, Orton D.; and Dodge, Allen L., 4,865,552, Cl. 434-271.000.
- Parkinson, Keith, to QuesTech Ventures Inc. Melt-phase thermal pressure apparatus for forming of plastic blanks into retortable containers. 4,836,764, 6-6-89, Cl. 425-384.000.
- Parks, Carl R.; and Burlett, Donald J., to Goodyear Tire & Rubber Company, The. Salicylimines as cure activators for nonhalogenated rubbers. 4,839,433, 6-13-89, Cl. 525-329.300.
- Parks, Carl R.; and Burlett, Donald J., to Goodyear Tire & Rubber Company, The. Cure activators for nonhalogenated rubbers. 4,877,845, 10-31-89, Cl. 525-346.000.
- Parks, Dale B.: *See—*
  - Carlson, Warner P.; Wirth, Lawrence W.; and Parks, Dale B., 4,817,071, Cl. 369-36.000.
- Parks, Elmer L.; and Pennington, Fred A., to Bowman, Mell Company, Inc. Water purifying apparatus. 4,842,723, 6-27-89, Cl. 210-95.000.
- Parks, Gary D., to Shipley Company Inc. Device and method for measuring reflective notch control in photoresists. 4,860,062, 8-22-89, Cl. 355-53.000.
- Parks, Gerald A., to Iowa State University Research Foundation, Inc. Switching device. 4,873,405, 10-10-89, Cl. 200-547.000.
- Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., to General Electric Company. Thin film transistor with aluminum contacts and nonaluminum metallization. 4,855,806, 8-8-89, Cl. 357-59.000.
- Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., to General Electric Company. Process and structure for thin film transistor with aluminum contacts and nonaluminum metallization in liquid crystal displays. 4,889,411, 12-26-89, Cl. 350-334.000.
- Parks, Howard L., to Amdahl Corporation. Three-dimensional microelectronic package for semiconductor chips. 4,841,355, 6-20-89, Cl. 357-82.000.
- Parks, Jeffery R., to McGard, Inc. Spare wheel lock construction. 4,848,113, 7-18-89, Cl. 70-259.000.
- Parks, John E.: *See—*
  - Anderson, Robert L.; and Parks, John E., 4,828,440, Cl. 411-85.000.
- Parks, John M.; and Stava, Elliott K., to Lincoln Electric Company, The. Method and device for controlling a short circuiting type welding system. 4,835,360, 5-30-89, Cl. 219-137.0PS.
- Parks, John M.; and Stava, Elliott K., to Lincoln Electric Company, The. Apparatus and method of short circuiting arc welding. 4,866,247, 9-12-89, Cl. 219-137.0PS.
- Parks, Ralph P., Jr.; and Roche, William J., to GTE Products Corporation. Method of dispensing mercury into an arc discharge lamp. 4,870,323, 9-26-89, Cl. 313-546.000.
- Parks, Ralph P., Jr.: *See—*
  - Holmes, James L.; and Parks, Ralph P., Jr., 4,823,047, Cl. 313-546.000.
- Parks, Raymond; and Anderson, George, to United Kingdom of Great Britain and Northern Ireland, The Minister of Agriculture, Fisheries and Food in her Britannic Majesty's Government of The. Device for assessing processing stresses. 4,829,812, 5-16-89, Cl. 73-12.000.
- Parks, Richard D.: *See—*
  - Manz, Kenneth W.; Shirley, Roger D.; Parks, Richard D.; and Hickman, Dennis W., 4,805,416, Cl. 62-292.000.
- Parks, Setella: *See—*
  - Terrell, Jamie B.; Terrell, Donna P.; and Parks, Setella, 4,889,187, Cl. 166-298.000.
- Parks, Stephen I., to Del Norte Technology, Inc. Walk-through metal detector. 4,821,023, 4-11-89, Cl. 340-551.000.
- Parks, Stephen I., to EG&G Astrophysics Research Corporation. Metal detector coil. 4,866,424, 9-12-89, Cl. 340-551.000.
- Parks, Stephen K., to Medical Innovations Corporation. Gastrostomy feeding device. 4,798,592, 1-1[illegible], Cl. [illegible]
- Parks, Terry M.: *See—*
  - Nicely, Mark C.; Schreiber, Robert; Parks, Terry M.; Mannion, A. Joel; Lang, Gary R.; and Patton, Charles F., 4,860,249, Cl. 364-900.000.
- Parks, William E.: *See—*
  - Keel, Jerry L.; Hines, Thomas M.; Davis, Glen; and Parks, William E., 4,812,750, Cl. 324-158.00F.
- Parkson Corporation: *See—*
  - Blom, Kari B., 4,882,068, Cl. 210-703.000.
- Parlante, John K. Pistol holster with limiting swing clutch. 4,874,118, 10-17-89, Cl. 224-198.000.
- Parlatore, Roger; Leluc, Alain; and Besse, Christian, to Legrand. Switch Mechanism having a conductive contact arm with a double pivot. 4,843,200, 6-27-89, Cl. 200-553.000.
- Parlette, Larry J.: *See—*
  - Peters, Richard E.; and Parlette, Larry J., 4,824,158, Cl. 296-37.600.
- Parli, C. John: *See—*
  - Whitten, Kathleen R.; Garbrecht, William L.; Marzoni, Gifford P.; and Parli, C. John, 4,845,224, Cl. 546-69.000.
- Parlier, Mathew H.: *See—*
  - Austin, George K., Jr.; and Parlier, Mathew H., 4,883,316, Cl. 297-191.000.
- Parliment, Thomas H.; Cipriano, Joseph J.; and Scarpellino, Richard, to General Foods Corporation. Aroma release during microwave cooking. 4,857,340, 8-15-89, Cl. 426-96.000.
- Parlman, Robert M.: *See—*
  - Dixon, George G.; Parlman, Robert M.; and Stewart, Wayne, 4,876,030, Cl. 252-315.200.
- Parly, Didier: *See—*
  - Robichon, Gilles; and Parly, Didier, 4,833,426, Cl. 331-158.000.
- Parma Corporation: *See—*
  - Miller, John E., 4,811,932, Cl. 267-95.000.
- Parma Development Ltd.: *See—*
  - Rosenfeld, Chaim, 4,846,244, Cl. 160-201.000.
- Parma, George F., to United States of America, Administrator, National Aeronautics and Space Administration. Gripping device. 4,858,979, 8-22-89, Cl. 294-106.000.
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  - Tomminen, Hannu, 4,883,416, Cl. 425-64.000.
- Parmann, Gunnar, to Forsheda AB. Apparatus for forming an end portion of a plastic pipe. 4,847,094, 7-11-89, Cl. 425-107.000.
- Parmann, Gunnar: *See—*
  - Petersson, Stefan; Gustafsson, Bror; and Parmann, Gunnar, 4,818,209, Cl. 425-392.000.
- Parmar, Amrat, to Crane Packing Limited. Mechanical face seals. 4,850,599, 7-25-89, Cl. 277-26.000.
- Parmely, Kevin W.; Van Asten, Scot R.; and Stanton, Harbor E. Sonic collar sheep protector. 4,876,674, 10-24-89, Cl. 367-139.000.
- Parmentier, Claude: *See—*
  - Savall, Jose; Parmentier, Claude; and Amelot, Bernard, 4,835,822, Cl. 24-122.600.
- Parmley, Charles L.: *See—*
  - Bowles, Dale D.; and Parmley, Charles L., 4,886,197, Cl. 224-243.000.
- Parmley, Robert F.: *See—*
  - Block, Robert E., 4,798,325, Cl. 239-663.000.
- Parmon, Valentin N.: *See—*
  - Ismagilov, Zinfer R; Zamaraev, Kirill I.; Khairulin, Sergei R.; Alkhazov, Tofik G.; Ismagilov, Foat R.; Ivanov, Aleksei A.; Barannik, Georgy B.; Kerzhentsev, Mikhail A.; Nemkov, Valentin V.; and Parmon, Valentin N., 4,886,649, Cl. 423-230.000.
- Parnell, Calvin B.: *See—*
  - LePori, Wayne A.; and Parnell, Calvin B., 4,848,249, Cl. 112-234.000.
- Parnell, James A.: *See—*
  - Venthem, John C.; Parnell, James A.; Hill, Mark; and Poole, Dan R., 4,888,710, Cl. 364-520.000.
- Parnham, Leon. Therapeutic mattress having lumbar support member. 4,837,879, 6-13-89, Cl. 5-446.000.
- Parnigoni, Rudolf. Method of forming a net-like structure. 4,879,084, 11-7-89, Cl. 264-295.000.
- Parodi, Sandro: *See—*
  - Pontoglio, Enrico; Parodi, Sandro; Donelli, Giordano; and Caretti, Giancarlo, 4,806,672, Cl. 558-311.000.
  - Pontoglio, Enrico; Parodi, Sandro; Ghielmetti, Giuseppe; and Casale, Liborio, 4,808,345, Cl. 260-544.00D.
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  - Pontoglio, Enrico; Parodi, Sandro; and Caretti, Giancarlo, 4,883,894, Cl. 558-311.000.
- Parr, Bobby J.: *See—*
  - Hogan, Patrick M.; Parr, Bobby J.; and Hooper, Manuel F., 4,864,704, Cl. 29-119.000.

Parr, David T. Apparatus and method for detecting movement of an object. 4,822,999, 4-18-89, Cl. 250-227.000.

Parr, Dennis J.: *See—*

Harrison, John R.; Lehr, Gary L.; Parr, Dennis J.; Ward, William F., Jr.; and Wells, Robert R., 4,878,407, Cl. 83-13.000.

Parr Instrument Company: *See—*

Hukvari, Istvan S.; Albert, Henry J.; Moon, Vernon G.; and Steffenson, Michael R., 4,882,128, Cl. 422-119.000.

Parr, Jack E.: *See—*

Andersen, Phillip J.; and Parr, Jack E., 4,863,475, Cl. 623-16.000.

Parr, John H.: *See—*

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Parr, Ken D. Security container. 4,838,626, 6-13-89, Cl. 312-333.000.

Parr, Thomas: *See—*

Damm, Norbert; and Parr, Thomas, 4,818,112, Cl. 366-2.000.

Parr, William J.; and Hope, Peter, to Akzo N.V. Dichloro (acetic or propionic) acid aryl ester flame retardants. 4,797,441, 1-10-89, Cl. 524-288.000.

Parr, William J., to Akzo America Inc. Flame resistant organic substances containing polymeric flame retardants. 4,798,860, 1-17-89, Cl. 524-409.000.

Parr, William J.; Mack, Arthur G.; and Moy, Paul Y. Y., to AKZO America Inc. Bicyclic phosphate ether, ester, and carbonate intumescent flame retardant compositions. 4,801,625, 1-31-89, Cl. 523-179.000.

Parra, Jorge M. Boundary setting device. 4,796,040, 1-3-89, Cl. 354-219.000.

Parra, Jorge M. Electronic boundary framing device and method. 4,837,633, 6-6-89, Cl. 358-224.000.

Parra, Jorge M., to Pioneer Data Processing, Inc. Surveying target with high intensity discharge lamp. 4,866,849, 9-19-89, Cl. 33-293.000.

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Parran, John J., Jr.; and Sakkab, Nabil Y., to Procter & Gamble Company, The. Oral compositions. 4,806,339, 2-21-89, Cl. 424-52.000.

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Parraud, Rene; and Thuillier, Denis, to Ceraver S.A. Method of manufacturing a lightning arrester, and a lightning arrester obtained by the method. 4,825,188, 4-25-89, Cl. 338-21.000.

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Parravicini, Francesco: *See—*

Farina, Carlo; Pinza, Mario; Cerri, Alberto; and Parravicini, Francesco, 4,873,328, Cl. 544-239.000.

Parravicini, Roberto. High efficiency cardiac valve. 4,878,909, 11-7-89, Cl. 623-2.000.

Parrent, Kenneth G., to Moser, Richard J. Apparatus for treatment of ore particles. 4,887,799, 12-19-89, Cl. 266-168.000.

Parrett, John T.; Fairbairn, James P.; and Jaworski, Walter, to Terex Corporation. Vehicle stabilizer apparatus and stabilizer actuator component thereof. 4,860,539, 8-29-89, Cl. 60-426.000.

Parriaux, Olivier M.: *See—*

Falco, Lucien G.; and Parriaux, Olivier M., 4,846,547, Cl. 350-96.290.

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Parries, Paul C.: *See—*

Critchlow, Dale L.; DeBrosse, John K.; Mohler, Rick L.; Noble, Wendell P., Jr.; and Parries, Paul C., 4,873,205, Cl. 437-200.000.

Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., 4,799,990, Cl. 156-636.000.

Parrillo, Louis C.; Mauntel, Richard W.; and Barden, John M., to Motorola, Inc. Well Extensions for trench devices. 4,808,543, 2-28-89, Cl. 437-38.000.

Parrillo, Louis C., to Motorola, Inc. High/low doping profile for twin well process. 4,889,825, 12-26-89, Cl. 437-34.000.

Parrillo, Louis C.: *See—*

Holly, Patrick J.; Parrillo, Louis C.; and Baker, Frank K., 4,801,555, Cl. 437-29.000.

Mauntel, Richard W.; Cosentino, Stephen J.; Parrillo, Louis C.; and Holly, Patrick J., 4,808,555, Cl. 437-191.000.

Pfiester, James R.; Parrillo, Louis C.; and Dockrey, J. William, 4,812,418, Cl. 437-069.000.

Parris, Joe P.: *See—*

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Parris, Michael: *See—*

Eaton, S. Sheffield, Jr.; and Parris, Michael, 4,853,893, Cl. 365-145.000.

Parrish, Deborah. Total back support system. 4,876,755, 10-31-89, Cl. 5-431.000.

Parrish, Frank B.: *See—*

Brenardi, Ara; and Parrish, Frank B., 4,829,236, Cl. 324-73.00R.

Parrish, Frederick W.; and Serota, Samuel, to United States of America, Agriculture. Process for converting alpha to beta-lactose. 4,799,966, 1-24-89, Cl. 127-63.000.

Parrish, James M., to Medical Implements, Inc. Urine specimen collectors and method of detecting spurious urine specimens. 4,832,04 5-23-89, Cl. 128-771.000.

Parrish, James R., to Central Machine and Tool Company. Safe locking quick disconnect coupling. 4,871,195, 10-3-89, Cl. 285-91.000.

Parrish, John D.; and Bellamy, Rodney A., to Baker Hughes Incorporated. Rock bit manufacturing method. 4,794,822, 1-3-89, Cl. 76-108.00A.

Parrish, Robert G., to Du Pont de Nemours, E. I., and Company. Pitch carbon fibers and batts. 4,861,653, 8-29-89, Cl. 428-288.000.

Parrish, Timothy L., to Eaton Corporation. Electrical reversing switch. 4,874,911, 10-17-89, Cl. 200-6.00R.

Parron, Jean C., to Rhone-Poulenc Agrochimie. Process for preparation of substituted phenylureas. 4,814,499, 3-21-89, Cl. 564-52.000.

Parrone, Tony. Condom-holder device. 4,875,491, 10-24-89, Cl. 128-844.000.

Parrott, Gary A. Compliant rotary powered tool. 4,871,036, 10-3-89, Cl. 173-163.000.

Parrott, George A., to Minnovation Limited. Gearbox for a rotary mineral cutting head. 4,846,631, 7-11-89, Cl. 417-273.000.

Parrott, Richard M.; Peng, Yuchi P.; and Ricketts, William J., to General Motors Corporation. Solenoid valve assembly. 4,821,770, 4-18-89, Cl. 137-596.170.

Parrott, Richard M.; Colvin, Jack A.; and Shuey, Lyle W., to General Motors Corporation. Single ended solenoid valve assembly. 4,860,794, 8-29-89, Cl. 137-637.200.

Parrott, Stephen L., to Phillips Petroleum Company. Hydrocracking catalyst for middle distillates. 4,798,666, 1-17-89, Cl. 208-111.000.

Parrow, R. Alan. Fuel line adaptor. 4,858,959, 8-22-89, Cl. 285-39.000.

Parruck, Bidyut; and Mulla, Hoshang D., to Alcatel USA, Corp. Multi-function communication board for expanding the versatility of a computer. 4,799,144, 1-17-89, Cl. 364-200.000.

Parry, Christopher S.: *See—*

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Parry, Daniel J.; and Parry, John C., to J. C. Parry & Sons, Inc. Film roll holder with drum brake. 4,872,623, 10-10-89, Cl. 242-96.000.

Parry, David: *See—*

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Parry, David W.: *See—*

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Parry, Gareth W., to United States Department of Energy, The. Manifold, bus support and coupling arrangement for solid oxide fuel cells. 4,824,742, 4-25-89, Cl. 429-30.000.

Parry, John C.: *See—*

Parry, Daniel J.; and Parry, John C., 4,872,623, Cl. 242-96.000.

Parry, John S., to Sterimatic Holdings Limited. Injection devices. 4,813,940, 3-21-89, Cl. 604-198.000.

Parry, Keith P.; Worthington, Paul A.; and Rathmell, William G., to Imperial Chemical Industries PLC. Ethers on esters of 1-triazole-2-substituted ethanols. 4,880,457, 11-14-89, Cl. 71-92.000.

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Pleschiutschnigg, Fritz-Peter; Von Schnakenburg, Joachim; Parschat, Lothar; and Stadler, Peter, 4,884,624, Cl. 164-454.000.

Parsen, Frank E.: *See—*

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Parshall, Millis V., to Marathon Electric Manufacturing Corporation. Annular stator core construction. 4,812,695, 3-14-89, Cl. 310-258.000.

Parsi, Edgardo J., to Ionics, Incorporated. Apparatus for the removal of dissolved solids from liquids using bipolar membranes. 4,871,431, 10-3-89, Cl. 204-182.400.

Parsley, George: *See—*

Craythorne, Colin M.; Parsley, George; and Lowe, Robert W., 4,865,023, Cl. 128-80.00H.

Parslow, Tristram G.; and Yamamoto, Keith R., to University of California, The Regents of the. Enhanced production of recombinant proteins in myeloma cells. 4,889,802, 12-26-89, Cl. 435-69.100.

Parson, Brian J.; Shepherd, Roger M.; May, Michael D.; and Stewart, Graham, to Inmos Limited. Digital signal switch. 4,885,740, 12-5-89, Cl. 370-60.000.

Parson, Gary W. Combined pickup truck and disappearing camper. 4,848,830, 7-18-89, Cl. 296-165.000.

Parsonage, Ronald K. Fishing plug with treble hook storage slot. 4,819,363, 4-11-89, Cl. 43-42.400.

Parsons, Alfred; and Sefton, Thomas, to Eurocup (Crosby) Limited. Vending machine for beverage. 4,807,780, 2-28-89, Cl. 221-113.000.

Parsons, Bryan N. V., to Jaguar Cars Limited. Linear actuator. 4,794,810, 1-3-89, Cl. 74-424.80R.

Parsons, Bryan N. V.; and Richardson, Stephen H., to Jaguar Cars Limited. Rear view mirror with perpendicular mirror surfaces. 4,828,379, 5-9-89, Cl. 350-626.000.

Parsons, Bryan N. V., to Jaguar Cars Limited. Valve mechanisms. 4,831,974, 5-23-89, Cl. 123-90.160.

Parsons, Bryan N. V., to Jaguar Cars Limited. Rotary valves. 4,838,220, 6-13-89, Cl. 123-190.00D.

Parsons, Bryan N. V., to Jaguar Cars Limited. Method and apparatus for supercharging internal combustion engines. 4,840,164, 6-20-89, Cl. 123-559.100.

Parsons, Bryan N. V., to Jaguar Cars Limited. Cam mechanisms. 4,869,215, 9-26-89, Cl. 123-90.160.

Parsons, Bryan N. V., to Jaguar Cars Limited. Cam mechanisms. 4,870,872, 10-3-89, Cl. 74-568.00R.

Parsons, Charles, Jr.; and Fang, Chen C., to Parsons Officials Supplies, Inc. Leg protector. 4,888,826, 12-26-89, Cl. 2-22.000.

Parsons, Charles F., to Borg-Warner Chemicals, Inc. Polymer blends of polycarbonate styrene terpolymer and ABS resin. 4,886,855, 12-12-89, Cl. 525-67.000.

Parsons & Crowther: *See—*

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Parsons, Edward S.: *See—*

Graczyk, James F.; Ludwick, John J.; and Parsons, Edward S., 4,821,286, Cl. 375-4.000.

Parsons, Francis E. Vehicle suspension assembly. 4,804,205, 2-14-89, Cl. 280-718.000.

Parsons, Frederick L., to Brown, Neuberne H., Jr., a part interest. Belt for use in a transmission system. 4,820,248, 4-11-89, Cl. 474-268.000.

Parsons, George W.; Kelly, Robert L.; and Zlotnicki, Joseph M., to Amersham Corporation. Radiographic source. 4,827,493, 5-2-89, Cl. 378-119.000.

Parsons, Gerry A.; and Li, Pat P., to DeSoto, Inc. Multilayer durable fluorocarbon coatings. 4,824,728, 4-25-89, Cl. 428-421.000.

Parsons, James D.: *See—*

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Parsons, John A.: *See—*

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Parsons, John H.; Hunt, Russell G.; Leach, Susan E.; Buss, Anthony D.; Green, David E.; Mellor, Michael; and Percival, Albert, to Schering Agrochemicals Limited. Fungicides. 4,853,400, 8-1-89, Cl. 514-383.000.

Parsons, Jonathan M., to Rolls-Royce plc. Turbomachine tip clearance sensor. 4,813,273, 3-21-89, Cl. 73-118.100.

Parsons, Michael: *See—*

Keith, William J.; Parsons, Michael; Smith, Russell P.; Glenn, Christopher J.; and Bell, Stephen, 4,862,505, Cl. 381-60.000.

Parsons, Michael C., to Karrimor International Limited. Rucksack with intermediate opening. 4,809,893, 3-7-89, Cl. 224-210.000.

Parsons, Natan E.; and Novak, Joel S., to Recurrent Solutions Limited Partnership. Automatic flow-control device. 4,839,039, 6-13-89, Cl. 210-143.000.

Parsons Officials Supplies, Inc.: *See—*

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Parsons, Philip B., to GenRad, Inc. Method and apparatus for verifying proper placement of integrated circuits on circuit boards. 4,864,219, 9-5-89, Cl. 324-73.0PC.

Parsons, Philip J.: *See—*

Willson, Jolyon P.; and Parsons, Philip J., 4,866,987, Cl. 73-655.000.

Parsons, Philip L.; and Richardson, Ewart, to P. L. Parsons & Company, Ltd. Platform system. 4,813,201, 3-21-89, Cl. 52-7.000.

Parsons, Ralph L., Jr. Boom mower attachment for a tractor adjustable for cutting at either side thereof. 4,887,417, 12-19-89, Cl. 56-15.200.

Parsons, Thomas O.; Thompson, Kenneth C.; and Kent, Michael S. Hinge apparatus. 4,865,064, 9-12-89, Cl. 135-68.000.

Parsons, William H.; Patchett, Arthur A.; and Thorsett, Eugene D., to Merck & Co., Inc. Benzofused lactams as antihypertensives. 4,873,235, 10-10-89, Cl. 514-312.000.

Parsons, William H.: *See—*

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Scott, Errol R., 4,833,738, Cl. 4-324.000.

Partek Corporation: *See—*

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Parten, William: *See—*

Wem, James W.; and Parten, William, 4,830,751, Cl. 210-634.000.

Partenheimer, Walter: *See—*

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PARTEUROSA, Societe Anonyme: *See—*

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Parth, Leo: *See—*

Guzowski, Samuel; and Parth, Leo, 4,834,398, Cl. 277-207.00A.

Particle Measuring Systems, Inc.: *See—*

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Partin, Dale L.; and Heremans, Joseph P., to General Motors Corporation. Magnetic field sensor. 4,843,444, 6-27-89, Cl. 357-27.000.

Partin, Dale L.: *See—*

Heremans, Joseph P.; and Partin, Dale L., 4,847,666, Cl. 357-16.000.

Partington, Albert J.; and Hornberger, David A., to Westinghouse Electric Corp. Method for installing integral shroud turbine blading. 4,798,520, 1-17-89, Cl. 416-219.00R.

Partington, Albert J., to Westinghouse Electric Corp. Integral side entry control stage blade group. 4,813,850, 3-21-89, Cl. 416-219.00R.

Partis, Richard A.: *See—*

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Mueller, Richard A.; and Partis, Richard A., 4,835,189, Cl. 514-618.000.

Mueller, Richard A.; and Partis, Richard A., 4,835,190, Cl. 514-706.000.

Mueller, Richard A.; and Partis, Richard A., 4,847,305, Cl. 514-706.000.

Partlo, Loren G. Device for safely securing boards for martial arts activities. 4,889,334, 12-26-89, Cl. 272-76.000.

Partlow, Deborah P.: *See—*

Andersson, Clarence A.; Partlow, Deborah P.; and Yoldas, Bulent E., 4,828,774, Cl. 264-60.000.

Partlow, Richard L., Jr.: *See—*

Rosten, David B.; Perchak, William C.; Foos, Douglas E.; Partlow, Richard L., Jr.; and Buhrke, Gary G., 4,819,829, Cl. 220-346.000.

Parton, Richard L.; Gingello, Anthony D.; Collett, David J.; Stegman, David A.; and Adin, Anthony, to Eastman Kodak Company. Photographic silver halide elements containing infrared filter dyes. 4,871,656, 10-3-89, Cl. 430-522.000.

Parton, Richard L.: *See—*

Proehl, Gary S.; Gingello, Anthony D.; Collett, David J.; Parton, Richard L.; Stegman, David A.; and Adin, Anthony, 4,876,181, Cl. 430-522.000.

Partovi, Hamid; and Van Buskirk, Michael A., to Advanced Micro Devices, Inc. Output buffer arrangement for reducing chip noise without speed penalty. 4,857,770, 8-15-89, Cl. 307-451.000.

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Baggiolini, Enrico G.; Partridge, John J.; Shiuey, Shian-Jan; Truitt, Gary A.; and Uskokovic, Milan R., 4,804,502, Cl. 260-397.200.

Partridge, Juergen W. Fastening clip. 4,844,651, 7-4-89, Cl. 403-406.100.

Partridge, Randall D.; and LaPierre, Rene B., to Mobil Oil Corporation. Hydrocracking process with improved distillate selectivity with high silica large pore zeolites. 4,820,402, 4-11-89, Cl. 208-111.000.

Partridge, Randall D.: *See—*

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Chang, Clarence D.; Chu, Cynthia T-W.; Lee, Carol S.; and Partridge, Randall D., 4,871,702, Cl. 502-86.000.

Chen, Nai Y.; LaPierre, Rene B.; Partridge, Randall D.; and Wong, Stephen S., 4,851,109, Cl. 208-58.000.

Dessau, Ralph M.; Partridge, Randall D.; and Valyocsik, Ernest W., 4,849,567, Cl. 585-379.000.

LaPierre, Rene B.; Partridge, Randall D.; Reischman, Paul T.; and Kerr, George T., 4,840,930, Cl. 502-79.000.

LaPierre, Rene B.; Partridge, Randall D.; and Wong, Steven S., 4,855,530, Cl. 585-739.000.

Partyka, Richard A.: *See—*

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Parulski, Kenneth A., to Eastman Kodak Company. Low resolution verifier for a still video image. 4,876,590, 10-24-89, Cl. 358-41.000.

Parvin, Bahram A., to Ford Aerospace & Communications Corporation. Target recognition using string-to-string matching. 4,845,610, 7-4-89, Cl. 364-200.000.

Parvin, Connie J.: *See—*

Brown, Theresa S.; Parvin, Connie J.; Walters, Patricia B.; Rothe, Wolfram F.; and French, Radford, 4,810,583, Cl. 428-425.600.

Parysek, Karen D.: *See—*

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Parzefall, Walter, to INA Walzlager Schaeffler KG. Friction clutch for motor vehicles. 4,832,166, 5-23-89, Cl. 192-98.000.

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Parzefall, Walter, to INA Walzlager Schaeffler KG. Friction clutch. 4,863,005, 9-5-89, Cl. 192-98.000.

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Pasar, Inc.: *See—*

Pecukonis, Joseph P., 4,804,907, Cl. 324-67.000.

Pasarela, Nunzio R.; and Steller, William S., to American Cyanamid Company. Herbicidal liquid concentrate compositions. 4,871,388, 10-3-89, Cl. 71-92.000.

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Pasbrig, Max, to Lacrex Brevetti SA. Contact-breaking ignition plug and method of generating a spark therewith. 4,850,316, 7-25-89, Cl. 123-154.000.

Pasbrig, Max, to Lacrex Brevetti SA. Device for preheating liquid, particularly liquid fuel. 4,866,250, 9-12-89, Cl. 219-299.000.

Pasbrig, Max, to Lacrex Brevetti SA. Apparatus for detachably clamping, tensioning and securing ropes, cables, wires, belts or the like. 4,889,320, 12-26-89, Cl. 254-252.000.

Pascal, Claude: *See—*

Lissot, Jean; Vasseur, Jean-Pierre; Thomas, Jean-Pierre; and Pascal, Claude, 4,796,197, Cl. 364-500.000.

Pascal, J. Claude: *See—*

Beranger, Serge; Pascal, J. Claude; Pinhas, Henri; and Jullien, Isabelle, 4,810,706, Cl. 514-265.000.

Pascal, Jean C.; Lee, Chi-Ho; Alps, Brian J.; Pinhas, Henri; and Whiting, Roger L., to Syntex Pharmaceuticals, Ltd. Substituted imidazolyl-alkyl-piperazine and -diazepine derivatives. 4,829,065, 5-9-89, Cl. 514-255.000.

Pascal-Mousselard, Michel: *See—*

Matteodo, Jean B.; Tucoulat, Marcel; and Pascal-Mousselard, Michel, 4,869,841, Cl. 252-79.000.

Pascal, Robert: *See—*

Benedetti, Charles; Gluntz, Claude; Pascal, Robert; and Stefanini, Michel, 4,855,053, Cl. 210-634.000.

Pascal, Robert J.: *See—*

Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.;

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Lasperas, Monique; and Rousset, Alain, 4,851,576, Cl. 564-126.000.

Pascal, Roger: *See—*

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Pascher, Helmut, to Siemens Aktiengesellschaft. Cable with a core surrounded by a band having tensile elements. 4,822,955, 4-18-89, Cl. 174-102.00R.

Paschke, Edward E.: *See—*

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Paschke, Klaus: *See—*

Weiler, Rolf; Bach, Uwe; Kirst, Thomas H.; and Paschke, Klaus, 4,807,725, Cl. 188-71.800.

Paschke, Randy K.: *See—*

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Schulte, John P.; Orth, Kelly M.; Frick, Roger L.; Westfield, Brian L.; and Paschke, Randy K., 4,878,012, Cl. 324-60.0CD.

Paschke, Reinhard: *See—*

Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

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Wright, Gerard; Warrin, George E.; and Paschke, Richard H., 4,850,868, Cl. 433-116.000.

Paschkis, Albert E., to Numonics Corporation. Plotter head control device. 4,853,715, 8-1-89, Cl. 346-139.00R.

Pasciak, Robert L., to Union Oil Company of California. Positioning device and method. 4,808,000, 2-28-89, Cl. 356-375.000.

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Ohama, Masanori; and Soma, Koroku, 4,861,157, Cl. 352-132.000.

Soma, Koroku; Watanabe, Noritsugu; and Taniguro, Wataru, 4,796,998, Cl. 356-376.000.

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Pasco, Wayne D.: *See—*

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Pascoe, Robert A., to International Business Machines Corporation. System for saving previous format parameters and using the saved format parameters and changed format parameters to format data output. 4,831,583, 5-16-89, Cl. 364-900.000.

Pascouet, Adrien P. External bubble-suppression method and apparatus. 4,875,545, 10-24-89, Cl. 181-115.000.

Pascual, Rafael: *See—*

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Pasek, Eugene A.: *See—*

Lopez, Jaime; and Pasek, Eugene A., 4,824,821, Cl. 502-220.000.

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Paselt, Artur. Brake actuating mechanism for bicycles with multi-speed chain drive. 4,856,629, 8-15-89, Cl. 192-5.000.

Paseri, Jacques: *See—*

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Pasetti, Adolfo: *See—*

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Pashby, Richard P.; Phelps, Douglas W., Jr.; Samuelsen, Sigvart J.; and Ward, William C., to International Business Machines Corporation Package semiconductor chip. 4,862,245, 8-29-89, Cl. 357-70.000.

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Pasierb, John J., Jr., to Bally Manufacturing Corporation. General purpose display controller for electronic games. 4,871,167, 10-3-89, Cl, 273-1.00E.

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Pask, George, to Rolls-Royce Limited. Nozzle guide vane structure for a gas turbine engine. 4,798,514, 1-17-89, Cl. 415-115.000.

Pask, Glen S.: *See—*

Summach, Terry; Pask, Glen S.; Summach, Dennis; and Newton, William, 4,821,809, Cl. 172-179.000.

Pask, Stephen D.: *See—*

Ohm, Christian; Pask, Stephen D.; Wieder, Wolfgang; Obrecht, Werner; and Schabel, Karl-Heinz, 4,868,053, Cl. 428-379.000.

Paske, William C.; and Roesler, Richard F., to NL Industries, Inc. Logging apparatus and method. 4,829,176, 5-9-89, Cl. 250-254.000.

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Pasko, John G.: *See—*

Shin, Soo H.; Pasko, John G.; and Anderson, J. R., 4,862,236, Cl. 357-30.000.

Paslawski, Daniel J.: *See—*

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Trofimenkoff, Frederick N.; Li, Chun O.; and Paslawski, Daniel J., 4,847,620, Cl. 341-128.000.

Paslode Corporation: *See—*

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Pasma, Tjebbe R.: *See—*

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Paspati, George A. Coupling system for conduits. 4,815,771, 3-28-89, Cl. 285-263.000.

Paspek, Stephen C.; and Eppig, Christopher P., to Standard Oil Company, The. Extraction of oil from stable oil-water emulsions 4,824,555, 4-25-89, Cl. 208-187.000.

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Pasquale, Antonio: *See—*

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Pasqualini, Bruno, to Pantasote Inc. Rigid plastic frames. 4,834,471, 5-30-89, Cl. 312-214.000.

Pasqualotto, Silvana: *See—*

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Pasqualucci, Joseph: *See—*

Jackson, Edward; and Pasqualucci, Joseph, 4,884,013, Cl. 318-481.000.

Pasquarella, Stephen T., to VA Inc. Constant current actuator for inductive load. 4,884,160, 11-28-89, Cl. 361-18.000.

Pasquarello, Robert: *See—*

Gordon, Harris K.; Myers, Howard; and Pasquarello, Robert, 4,845,472, Cl. 340-605.000.

Pasquariello, David M.: *See—*

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Pasquariello, Mark A. Portable hammock support. 4,797,961, 1-17-89, Cl. 5-127.000.

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Pasquier, Armand, to Etudes Techniques et Realisations (CdF Ingenierie); and Pasquier, Armand. Pneumatic process and device for conveying snow. 4,798,012, 1-17-89, Cl. 37-219.000.

Pasquini, Mario; and Breen, Kathie A., to Food Automation-Service Techniques, Inc. Stir prompt apparatus. 4,864,498, 9-5-89, Cl. 364-400.000.

Pasquini, Mario: *See—*

Albrecht, Lance M.; Pasquini, Mario; and Schreyer, William M., 4,812,963, Cl. 364-131.000.

Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, to Electricite de France-Service National; and Aerospatiale Societe Nationale Industrielle. Plasma torch having a longitudinally mobile arc root, and process for controlling the displacement thereof. 4,847,466, 7-11-89, Cl. 219-121.590.

Pass, Hans-Uwe, to Lanico-Maschinenbau Otto Niemsch GmbH. Apparatus for flanging and swaging a cylindrical can body on both ends. 4,838,064, 6-13-89, Cl. 72-84.000.

Pass, Milo C.: *See—*

Lund, Richard B.; and Pass, Milo C., 4,808,342, Cl. 260-508.000.

Pass & Seymour, Inc.: *See—*

Brant, Edward J.; and Packard, Thomas N., 4,802,052, Cl. 361-42.000.

Brant, Edward J.; Packard, Thomas N.; and Fargeaud, Daniel A., 4,831,496, Cl. 361-394.000.

Brant, Edward J., 4,872,087, Cl. 361-356.000.

Murphy, Patrick J.; Emeny, William L., Jr.; and Finlay, David A., Sr., 4,872,081, Cl. 361-117.000.

Passadore, Albert M., to Brod & McClung - Pace Co. Centrifugal fan. 4,859,140, 8-22-89, Cl. 415-48.000.

Passamoni, Phillip L. Folded carton having integral header. 4,828,164, 5-9-89, Cl. 229-41.00R.

Passant, Muriel E., executrix: *See—*

Colley, Charles R., deceased; and Passant, Muriel E., executrix, 4,805,412, Cl. 62-22.000.

Passaretti-Miscia, June D., to Exxon Research and Engineering Company. High surface area rhenium sulfide hydrodesulfurization catalysts prepared by an aqueous technique and a process for using them. 4,863,889, 9-5-89, Cl. 502-216.000.

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Passavant-Werke AG & Co. KG: *See—*

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Passe, Peter B.: *See—*

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Passehl, Donald J.: *See—*

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Passerini, Stefano: *See—*

Roggero, Arnaldo; Scrosati, Bruno; Andrei, Maria; Passerini, Stefano; and Pedretti, Ugo, 4,886,716, Cl. 429-192.000.

Passien, Olivier: *See—*

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Passimourt, Nadine; and Potin, Philippe, to Atochem. Preparation of N-(dichlorophosphoryl)trichlorophosphazene. 4,812,297. 3-14-89, Cl. 423-300.000.

Passimourt, Nadine: *See—*

Pagniez, Guy; Passimourt, Nadine; and Potin, Philippe, 4,824,648, Cl. 423-300.000.

Passmore, Charles G.; Mowry, Robert D.; and Brown, Alan G., to Photonics Laboratories, Inc. Optical storage method and apparatus. 4,856,862, 8-15-89, Cl. 350-96.150.

Passmore, David A.: *See—*

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Passmore, Edmund M., to GTE Products Corporation. Electrode for high intensity discharge lamps. 4,822,312, 4-18-89, Cl. 445-49.000.

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Passmore, Paul R.; and Nance, William A., to Refraction Technology, Inc. Method of and systems for seismic exploration. 4,800,538, 1-24-89, Cl. 367-55.000.

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Paster, Zvi: *See—*

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Pasteris, Robert J., to Du Pont de Nemours, E. I., and Company. Phenyl-substituted sulfonamides. 4,795,485, 1-3-89, Cl. 71-90.000.

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Pasternack, Adalbert, to Dragerwerk Aktiengesellschaft. Protective suit having a supply of breathing air. 4,881,539, 11-21-89, Cl. 128-201.270.

Pasternak, Eliezer; Drews, Robert C.; and Shalon, Tadmor, to Ninetronix Venture I. Hand-held diathermy apparatus. 4,878,493, 11-7-89, Cl. 128-303.140.

Pasternak, Gavril W., to Sloan-Kettering Institute For Cancer Research. Opiate agonists and antagonists. 4,803,208, 2-7-89, Cl. 514-282.000.

Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., to Texaco Inc. Separation of organic liquids. 4,798,674, 1-17-89, Cl. 210-640.000.

Pasternak, Mordechai, to Texaco Inc. Method of treating dilute aqueous solutions. 4,865,745, 9-12-89, Cl. 210-651.000.

Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., to Texaco Inc. Separation of organic liquids. 4,877,529, 10-31-89, Cl. 210-500.370.

Pasternak, Mordechai: *See—*

Bartels, Craig R.; Dorawala, Tansukhlal G.; Stephenson, Michael T.; Pasternak, Mordechai; and Reale, John, Jr., 4,872,991, Cl. 210-651.000.

Pasternak, Stephen M., to Prince Manufacturing, Inc. Shoe with form fitting sole. 4,858,340, 8-22-89, Cl. 36-88.000.

Pastina, John A.: *See—*

MacKinnon, Francis X.; Horn, James F.; and Pastina, John A., 4,882,820, Cl. 26-93.000.

Pastor, Antonio; and Tangonan, Gregory L., to Hughes Aircraft Company. Growth of glass-clad single crystal fibers. 4,847,053, 7-11-89, Cl. 422-249.000.

Pastor, Antonio C.; Gentile. Anthony L.; and Wysocki, Joseph A., to Hughes Aircraft Company. Fabrication of rods of uniform high density from powders of refractory materials. 4,857,249, 8-15-89, Cl. 264-67.000.

Pastor, Jose, to Pitney Bowes Inc. Postage meter with coded graphic information in the indicia. 4,835,713, 5-30-89, Cl. 364-519.000.

Pastor, Jose, to Pitney Bowes Inc. Reliable document authentication system. 4,853,961, 8-1-89, Cl. 380-21.000.

Pastor, Jose; and Barton, Maya R., to Pitney Bowes Inc. Method and apparatus for generating encryption/decryption key. 4,878,246, 10-31-89, Cl. 380-44.000.

Pastor, Jose, to Pitney Bowes Inc. Method and apparatus for verifying a value for a batch of items. 4,888,803, 12-19-89, Cl. 380-51.000.

Pastor, Jose: *See—*

Hunter, Kevin D.; Durst, Robert T., Jr.; and Pastor, Jose, 4,873,645, Cl. 364-479.000.

Pastor, Ricardo C.; Gorre, Luisa E.; and Christensen, Lorna D., to Hughes Aircraft Company. Catalyst material and a process for its preparation. 4,839,328, 6-13-89, Cl. 502-334.000.

Pastor, Ricardo C.; and Gorre, Luisa E., to Hughes Aircraft Company. Process for the preparation of ultrapure heavy metal fluorides. 4,857,293, 8-15-89, Cl. 423-489.000.

Pastor, Ricardo C.; and Gorre, Luisa E., to Hughes Aircraft Company. Preparation of high purity compounds of sulfur, selenium, and tellurium. 4,869,893, 9-26-89, Cl. 423-509.000.

Pastor, Stephen D.; Spivack, John D.; and Hessell, Edward T., to Ciba-Geigy Corporation. (Hydroxyphenyl) phosphine stabilized compositions. 4,835,202, 5-30-89, Cl. 524-154.000.

Pastor, Stephen D.: *See—*

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Odorisio, Paul A.; Pastor, Stephen D.; and Hyun, James L., 4,831,178, Cl. 558-76.000.

Ravichandran, Ramanathan; and Pastor, Stephen D., 4,888,444, Cl. 564-300.000.

Spivack, John D.; Ravichandran, Ramanathan; and Pastor, Stephen D., 4,808,644, Cl. 524-94.000.

Pastor, Steven D.: *See—*

Odorisio, Paul A.; and Pastor, Steven D., 4,888,423, Cl. 544-238.000.

Pastor, Vincente N., to Vicma, S.A. All-fours walking doll. 4,878,870, 11-7-89, Cl. 446-298.000.

Pastore, Gino: *See—*

Boscolo, Ilario; and Pastore, Gino, 4,833,685, Cl. 372-61.000.

Pastore, Joseph. Trash rack. 4,846,966, 7-11-89, Cl. 210-153.000.

Pastorello, Valter: *See—*

Falzoni, GianLuigi; and Pastorello, Valter, 4,836,041, Cl. 74-339.000.

Pastrick, Danny L.: *See—*

Chen, Chingfa; and Pastrick, Danny L., 4,844,071, Cl. 128-6.000.

Pastrick, John J., to Mr. Coffee, Inc. Appliance for brewing coffee/tea. 4,882,983, 11-28-89, Cl. 99-295.000.

Pastrone, John; Chamness, Leland D.; Fellingham, George H.; and Jimison, Walter L., to Abbott Laboratories. Drive mechanism for disposable fluid infusion pumping cassette. 4,818,186, 4-4-89, Cl. 417-63.000.

Pastrone, John; Fellingham, George H.; and Lawless, Michael, to Abbott Laboratories. Ultrasonic detector. 4,821,558, 4-18-89, Cl. 73-19.000.

Pastrone, John, to Abbott Laboratories. Disposable fluid infusion pumping chamber cassette and drive mechanism thereof. 4,842,584, 6-27-89, Cl. 604-50.000.

Pastureau, Nicole: *See—*

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Patron, Gregorio I.; Nichols, Walter A.; Gauvin, Paul N.; and Sprinkel, Francis M., Jr., to Philip Morris Incorporated. Filter cigarette. 4,848,375, 7-18-89, Cl. 131-335.000.
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Paul, Jeffrey L.: *See—*
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Paul, Lowell A. Seedling planter. 4,807,543, 2-28-89, Cl. 111-2.000.
Paul, Lyle E., to Allergan, Inc. Lens container assembly. 4,817,789, 4-4-89, Cl. 206-5.100.
Paul, Lyle E.: *See—*
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Paul, Marius A.; and Paul, Ana. Internal combustion engine with adjustable flow exhaust system. 4,815,421, 3-28-89, Cl. 123-65.0PE.
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Paul N. Gardner Company, Inc.: *See—*
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Paul, Nikhil C.: *See—*
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Paul, Winfried G.: *See—*
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Lonardi, Emile; and Mailliet, Pierre, 4,812,100, Cl. 414-199.000.
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Lonardi, Emile; Kirchen, Michael; and Kremer, Victor, 4,827,689, Cl. 52-749.000.
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Paulik, Frank E.; and Schultz, Robert G., to Monsanto Company. Preparation of alkylidene diesters. 4,810,821, 3-7-89, Cl. 560-232.000.

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Paulis, George J.; and Chapkovich, John S., III, to United Technologies Corporation. Valving apparatus. 4,848,133, 7-18-89, Cl. 73-1.00H.

Paulish, Carol. Square bingo dobber apparatus. 4,795,156, 1-3-89, Cl. 273-148.00R.

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Pauliukonis, Richard S., to Pauliukonis, Grazina J. Pistonless-plunger positioner with internal cylinder and annular fluid space. 4,824,081, 4-25-89, Cl. 267-64.120.

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Paulk, Howard: *See—*

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Paulsen, Brian; and Vignolo, Joseph, to R. T. Engineering Service, Inc. Digital panel meter. 4,853,619, 8-1-89, Cl. 324-115.000.

Paulsen, Dean R., to General Scanning, Inc. Scanning system with tunable resonant actuator. 4,797,749, 1-10-89, Cl. 358-302.000.

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Paulsen, Eric L.: *See—*

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Sasse, Klaus; Hanssler, Gerd; Schmitt, Hans-Georg; and Paulus, Wilfried, 4,806,540, Cl. 514-236.500.

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Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl. 436-7.000.

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Pauna, Kenneth, to Paterson, Richard. Convertable bed and bathroom combination. 4,821,348, 4-18-89, Cl. 4-547.000.

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Knoop, Donald E.; and Paustian, John K., 4,835,991, Cl. 68-12.00R.

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Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.

Pavia, Michael R.: *See—*

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Pavlica, Aleksandar: *See—*

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Pavone, Flaminia: *See—*

Brufani, Mario; Castellano, Claudio; Marta, Maurizio; Oliverio, Alberto; Pavone, Flaminia; and Pomponi, Massimo, 4,831,155, Cl. 548-429.000.

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Pavur, Carol P., to Chrysler Motors Corporation. Sealing plug and installation tool therefore. 4,809,872, 3-7-89, Cl. 220-307.000.

Pawar, Prakash K. Flame retardant additive for thermoplastics. 4,871,795, 10-3-89, Cl. 524-267.000.
Pawelko, Karl-Heinz, to Korber AG. Apparatus for severing a running web of tipping paper or the like. 4,860,623, 8-29-89, Cl. 83-346.000.
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Pawlaczyk, Deborah C.: *See*—
  Matzoll, Robert J., Jr.; and Pawlaczyk, Deborah C., 4,853,879, Cl. 364-552.000.
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  Molinaro, John R.; Pawlak, Joseph A.; and Schwartz, Willis T., 4,870,194, Cl. 549-241.000.
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Pawlakowitsch, Anton: *See*—
  Helms, Dirk; Katzschner, Werner; Pawlakowitsch, Anton; and Anderle, Friedrich, 4,869,801, Cl. 204-298.000.
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  Lindsay, Tom E., 4,866,213, Cl. 174-35.0GC.
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Pawlowski, Georg; and Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Photosensitive mixture and photosensitive recording material produced therefrom with polymeric binder which is reaction product of (thio) phosphinic acidiso (thio) cyanate and active hydrogen containing polymer. 4,839,254, 6-13-89, Cl. 430-175.000.
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Pawlowski, Georg: *See*—
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Pawlowski, Norman E.; Bares, Steven J.; Johnson, Loren E.; and Hindagolla, Suraj L., to Hewlett-Packard Company. Dyes containing polyhydroxyl groups for ink-jet printing inks. 4,836,851, 6-6-89, Cl. 106-22.000.
Pawlowski, Norman E.: *See*—
  Johnson, Loren E.; Norton, Kenneth A.; Pawlowski, Norman E.; and Wooding, Margaret L., 4,853,037, Cl. 106-22.000.
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Payne, Charles C.; and Kerr, Earnest M., to Nalco Chemical Company. Lubricating fluids for slicing silicon ingots. 4,853,140, 8-1-89, Cl. 252-34.000.
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Payne, Earl E. Ladder rack. 4,823,999, 4-25-89, Cl. 224-309.000.
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  May, Geoffrey B.; Davis, Brian F.; and Nowak, Wladyslaw L., 4,844,962, Cl. 428-43.000.
Payne, Paul E.: *See*—
  Nuckolls, Joe A.; and Payne, Paul E., 4,890,041, Cl. 315-225.000.
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Payne, Roger E.; and Weeks, J. Bruce, to Motor Wheel Corporation. Safety tire and rim combination with safety insert. 4,823,854, 4-25-89, Cl. 152-382.000.
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Payne, Stephen A.; Chase, Lloyd L.; Newkirk, Herbert W.; and Krupke, William F., to United States of America, Energy. Cr^{3+}-doped colquiriite solid state laser material. 4,811,349, 3-7-89, Cl. 372-41.000.
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Payne, Thomas R.: *See*—
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Payne, William M., Jr.; and Palau, Joseph, to Burlington Industries, Inc. Yarn carrier structure. 4,832,281, 5-23-89, Cl. 242-118.300.
Payne, Leonard E.; and Keener, Jimmy L. Vision saver for computer monitor. 4,880,300, 11-14-89, Cl. 350-618.000.
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  Bollig, Georg; and Pazderka, Cyril, 4,832,177, Cl. 198-451.000.
Pazdernik, Irvan L., to APV Douglas Machine Corporation. Chain guide. 4,810,238, 3-7-89, Cl. 474-207.000.
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  Lippert, Mary E.; Enloe, Kenneth M.; Koch, Debra J.; Roessler, Thomas H.; and Pazdernik, Patrick A., 4,861,652, Cl. 428-284.000.
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  Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; S[illegible]wlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.
Pazicni, Joseph M. Priority planner calendar. 4,798,402, 1-17-89, Cl. 283-2.000.
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  Horn, John J., 4,807,407, Cl. 52-79.100.
  Horn, John J., 4,882,883, Cl. 52-79.100.
PCB Piezotronics, Inc.: *See*—
  Lally, Richard W., 4,799,375, Cl. 73-12.000.
PCC Airfoils, Inc.: *See*—
  Horton, Robert A.; Jeyarajan, Arunachalam; and Graham, Lawrence D., 4,862,947, Cl. 164-122.200.
  Prasad, T. V. Rama, 4,809,764, Cl. 164-122.100.
PCI Group Inc.: *See*—
  Boucher, Donald A., 4,852,251, Cl. 29-845.000.
PCM (Long Buckby) Engineering Ltd.: *See*—
  Plant, John D., 4,842,472, Cl. 414-563.000.
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  Kremer, Paul W., 4,828,751, Cl. 252-171.000.
  Wilson, Michael E., 4,877,654, Cl. 427-387.000.
  Wilson, Michael E., 4,889,747, Cl. 427-221.000.
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  Burke, Basil A.; and Nair, Muraleedharan G., 4,803,290, Cl. 514-464.000.
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  Eiermann, Horst W.; and Muhl, Christian, 4,798,917, Cl. 174-72.00R.
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  Olah, George, 4,861,923, Cl. 568-899.000.
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  Jechel, Kurt E.; and Schutzler, Jerome C., 4,806,191, Cl. 156-382.000.
  McDonald, John E., 4,841,730, Cl. 60-527.000.
PDR Microelectronics Limited: *See*—
  Gibbs, Roger H.; and Lowrie, David J., 4,843,216, Cl. 219-354.000.
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  Crane, Carroll, 4,821,873, Cl. 198-856.000.
  Evans, Vernon C.; and Heidinger, George H., 4,841,159, Cl. 307-38.000.
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  Rubemeyer, Ronald W.; and Gibson, James L., 4,850,434, Cl. 172-40.000.
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  Welsh, Russell J., 4,829,558, Cl. 372-92.000.
  Welsh, Russell J., 4,857,999, Cl. 358-84.000.
Peacey, John G.; and Harris, G. Bryn, to Noranda Inc. Production of magnesium metal from magnesium containing materials. 4,800,003, 1-24-89, Cl. 204-70.000.
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Peacock, Alan J., to Telephone Cables Limited. Optical cables. 4,822,133, 4-18-89, Cl. 350-96.230.
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Peacock, Kenneth L., to Amoco Corporation. Method and apparatus for continuous time-variant digital filtering. 4,837,723, 6-6-89, Cl. 364-724.010.
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- Peak, Rex W. Circuit tester for determining presence or absence of electrical power. 4,816,746, 3-28-89, Cl. 324-66.000.
- Peak Systems, Inc.: *See—*
  - Eddy, William A., 4,808,059, Cl. 414-416.000.
  - Stultz, Timothy J., 4,820,906, Cl. 219-405.000.
- Peake, Clinton J., to FMC Corporation. Vinyl fluorides and pesticidal uses. 4,876,285, 10-24-89, Cl. 514-746.000.
- Peake, Roy P., to Cox & Wright Limited. Relating to the repetitive cutting of workpiece blanks. 4,799,411, 1-24-89, Cl. 83-50.000.
- Peaktronics, Inc.: *See—*
  - Mueller, Peter W.; and Leason, Jack M., 4,803,481, Cl. 340-825.500.
- Pealer, Dominic J.: *See—*
  - Kleynjans, Joseph P. H.; Kalempa, Walenty; and Pealer, Dominic J., 4,823,421, Cl. 14-71.300.
- Pean, Jean-Louis: *See—*
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- Pearce, David A.: *See—*
  - Adams, Roger W.; Falcon-Steward, Hugh R.; and Pearce, David A., 4,852,811, Cl. 241-1.000.
- Pearce, David M.: *See—*
  - Hayman, Dennis J.; and Pearce, David M., 4,807,306, Cl. 4-203.000.
- Pearce, Donald: *See—*
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- Pearce, Frank G., to Powerpak Lures, Inc. Fishing lure. 4,831,767, 5-23-89, Cl. 43-26.200.
- Pearce-Harvey, Peter R.; Thomlinson, Ernest V.; and French, Raymond, to Tasco Limited. Illumination lamp apparatus. 4,843,528, 6-27-89, Cl. 362-277.000.
- Pearce, Howard R., to Thomas & Betts Corporation. Apparatus for assembling two-part connectors. 4,827,608, 5-9-89, Cl. 29-809.000.
- Pearce, John A., executor: *See—*
  - Noble, John B., deceased; Pearce, John A., executor; and Gossage, John J. V., executor, 4,804,185, Cl. 273-85.0CP.
- Pearce, Kenneth W., to Steetley Quarry Products Limited. Method of and apparatus for filtering a slurry. 4,826,607, 5-2-89, Cl. 210-770.000.
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  - Lichtel, Richard L., Jr.; Pearce, Lawrence G.; and Matlock, Dryer A., 4,818,725, Cl. 437-203.000.
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- Pearce, Lawrence J., Sr. Regatta simulation game. 4,809,986, 3-7-89, Cl. 273-246.000.
- Pearce, Robert C., III, to Sandoz Ltd. Delayed time actuation for total-release containers and similar devices. 4,823,986, 4-25-89, Cl. 222-54.000.
- Pearce, Ronald A.: *See—*
  - Vander Meer, Richard H.; Pearce, Ronald A.; and Kapke, Milton W., 4,809,965, Cl. 271-11.000.
- Pearce, Roscoe L.; and Wolcott, Richard A., to Dow Chemical Company, The. Sulfur removal from hydrocarbons. 4,808,765, 2-28-89, Cl. 585-860.000.
- Pearce, Sarah L.: *See—*
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- Pearcy, Frank H. Multi-compartment receptacle for fishing tackle or other items. 4,884,360, 12-5-89, Cl. 43-54.100.
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- Pearl, Peter M., to Hash, Kathleen M. Pantograph machine. 4,863,318, 9-5-89, Cl. 409-89.000.
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  - Riordan, John C.; and Pearlman, Jay S., 4,837,794, Cl. 378-119.000.
- Pearlman, Sheldon; Fridland, Anatoly; and Martin, Gunther J., to Kidde, Inc. Phase-coherent FSK signal demodulator. 4,799,239, 1-17-89, Cl. 375-88.000.
- Pearmain, Douglas S.: *See—*
  - LaRoche, Allan R.; Butcher, Robert A.; Dubuc, Jean A.; and Pearmain, Douglas S., 4,848,044, Cl. 52-58.000.
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- Pearne, and Lacy Machine Company: *See—*
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- Pearson, Alan, to Aluminum Company of America. Alumina ceramic product from colloidal alumina. 4,835,124, 5-30-89, Cl. 501-127.000.
- Pearson, Alan, to Aluminum Company of America. Economical process for alpha alumina production. 4,847,064, 7-11-89, Cl. 423-625.000.
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  - Fleming, Hubert L.; Edd, Jon F.; Pearson, Alan; Chou, Che Liang; Kono, Hisashi O.; and Huang, Ching-Chung, 4,797,271, Cl. 423-625.000.
- Pearson, Allen F.: *See—*
  - Hendrixon, John L.; Domanchuk, David J.; and Pearson, Allen F., 4,863,142, Cl. 251-129.080.
- Pearson, Andrew D.: *See—*
  - Coates, David; Davey, Anthony B.; Bishop, David I.; Pearson, Andrew D.; and Sage, Ian C., 4,834,906, Cl. 252-299.630.
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- Pearson, C. Mark, to Atlantic Richfield Company. System for monitoring fluids during well stimulation processes. 4,845,981, 7-11-89, Cl. 73-151.000.
- Pearson, Charles S.: *See—*
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- Pearson, David J.: *See—*
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- Pearson and Deitchman Research and Dev. Co., Inc.: *See—*
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- Pearson, Dennis G.: *See—*
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- Pearson, Gaylord R.: *See—*
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- Pearson, Herby O.: *See—*
  - Fister, Louis P.; Fitch, Lawrence H.; and Pearson, Herby O., 4,871,276, Cl. 403-162.000.
- Pearson, Keith. Gripper assembly for robot arm. 4,808,898, 2-28-89, Cl. 318-568.000.
- Pearson, Leonard P.: *See—*
  - Scerbak, David G.; Pearson, Leonard P.; and Dutcher, John A., 4,827,485, Cl. 372-107.000.
- Pearson, M. Nicholas. Truck canopy and tailgate locking means. 4,819,461, 4-11-89, Cl. 70-14.000.
- Pearson, Marilyn M.: *See—*
  - Rankin, Janice J.; and Pearson, Marilyn M., 4,883,701, Cl. 428-136.000.
- Pearson, Michael J.; and Elliott, Richard L., to Beecham Group P.L.C. Aminothiazole substituted penicillins and antibacterial compositions thereof. 4,816,452, 3-28-89, Cl. 514-196.000.
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- Pearson, Norman R.: *See—*
  - Kleschick, William A.; Ehr, Robert J.; Costales, Mark J.; Gerwick, Ben C., III; Meikle, Richard W., deceased; Monte, William T.; and Pearson, Norman R., 4,818,273, Cl. 71-90.000.
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- Pearson, Phil E., Jr.; and Collins, Arthur K., to General Electric Company. Dual control of image level and window parameters of a display and the like. 4,839,805, 6-13-89, Cl. 364-413.140.
- Pearson, Robert B.: *See—*
  - Culler, Glen J.; Pearson, Robert B.; McCammon, Michael; Proctor, William L.; and Richardson, John L., 4,837,678, Cl. 364-200.000.
  - Goldman, Stuart O.; and Pearson, Robert B., 4,844,716, Cl. 44-68.000.
- Pearson, Robert E., to Secrest, T. W., a part interest. Means and method for color separation and for reproduction. 4,803,523, 2-7-89, Cl. 355-32.000.
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- Pearson, Rune S., to Invention Design Engineering Associates, Inc. Machine for handling circuit package storage tubes. 4,878,801, 11-7-89, Cl. 414-411.000.
- Pearson, Stanley R.; Merrick, Douglas D.; White, William P.; and Lipp, Charles W., to Dow Chemical Company, The. Annular nozzle. 4,857,076, 8-15-89, Cl. 48-86.00R.
- Pearson, Stanley R.: *See—*
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- Pearson, Steve: *See—*
  - Zdeb, Brian; Pearson, Steve; and Slater, Glenn L., 4,874,366, Cl. 604-56.000.
- Pearson, Timothy B.: *See—*
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- Peascoe, Warren J., to General Electric Company. Impact modified aromatic carbonate compositions. 4,831,082, 5-16-89, Cl. 525-148.000.
- Pease, Charles C.; Schaeffer, Eugene P.; Bernd, Kevin L.; and Higton, David A., to KSM Fastening Systems Inc. Insulation hanger with locking device. 4,842,465, 6-27-89, Cl. 411-337.000.
- Pease, David C., Jr.: *See—*
  - Copeland, Hugh D.; and Pease, David C., Jr., 4,864,154, Cl. 307-10.700.
- Pease, Eugene D., to Armstrong International, Inc. Cable terminal. 4,852,292, 8-1-89, Cl. 43-27.400.
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  - Green, F. Richard; and Kreimer, Charles C., 4,888,918, Cl. 49-501.000.
  - Guetle, Norbert J., Jr.; and Spencer, Daniel J., 4,882,877, Cl. 49-506.000.
- Pease, John; Tarnowski, Thomas L.; Berger, Donald; Chang, Chiu C.; and Chuang, Chun-Hua, to Syntex (U.S.A.) Inc. Squaraine dyes. 4,830,786, 5-16-89. Cl. 260-396.00N.
- Pease, Kevin J.; Copella, Robert A.; and Flannery, Ann M., to Rand, McNally & Company. Object verification apparatus and method. 4,837,426, 6-6-89, Cl. 235-440.000.
- Pease, William M.; and Bauer, Arthur L., Jr., to Raytheon Company. Raster scan radar with true motion memory. 4,833,475, 5-23-89, Cl. 342-185.000.
- Pease, William M.; and Hall, William M., to Raytheon Company. Pulse radar threshold generator. 4,837,579, 6-6-89, Cl. 342-197.000.
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- Pease Windamatic Systems, Inc.: *See—*
  - Russell, Paul R., 4,800,646, Cl. 29-736.000.
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  - DiMeglio, Paul J., 4,810,498, Cl. 424-195.100.
- Peaudouce: *See—*
  - Villez, Yves, 4,850,989, Cl. 604-385.200.
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  - Roberts, John H., 4,818,951, Cl. 330-254.000.
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  - Letoffe, Michel; and Peccoux, Pierre-Michel, 4,824,924, Cl. 528-21.000.
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  - Dubost, Bruno; and Audier, Marc, 4,865,665, Cl. 148-404.000.
  - Dubus, Alain, 4,847,495, Cl. 250-307.000.
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- Peck, Paul L., to Archery Designs, Inc. Adjustable grip and trigger bow string release. 4,881,516, 11-21-89, Cl. 124-35.00A.
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  - Smith, Russell M.; and Peck, William J., 4,807,713, Cl. 180-89.140.
- Peck, William L. Bleacher seat dust mop. 4,800,609, 1-31-89, Cl. 15-210.00R.
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  - DeBruler, Dennis L.; Hafer, Edward H.; Hiller, Thomas L.; Johnson, James M., Jr.; Kimber, Douglas A.; McHarg, Christopher G.; Pector, Scott W.; and Pierce, David A., 4,821,259, Cl. 370-60.000.
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- Peczkowski, Joseph: *See—*
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- Pedder, David J.; Watson, Paul; and Bache, Richard A. C., to Plessey Overseas Limited. Thermal detector. 4,847,500, 7-11-89, Cl. 250-338.300.
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  - Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
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- Pedersen, Harry, to Gleason Works, The. Quenching appara 4,844,427, 7-4-89, Cl. 266-80.000.
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- Pedex & Co. GmbH: *See—*
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- Peduto, Joseph A.: *See—*
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- Peele, Samuel C.: *See—*
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- Peerless Chain Company: *See—*
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- Peerless Manufacturing Company: *See—*
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- Peery, John R.: *See—*
  - Eckenhoff, James B.; Magruder, Judy A.; Cortese, Richard; Peery, John R.; and Wright, Jeremy C., 4,855,141, Cl. 424-423.000.
- Peery, William W. Battery-powered food warmer. 4,827,107, 5-2-89, Cl. 219-521.000.
- Pees, James M.: *See—*
  - Harrod, Edward L.; Fannin, Wayne V.; and Pees, James M., 4,828,232, Cl. 267-64.240.
- Peet, Norton P.; and Sunder, Shyam, to Merrell Dow Pharmaceuticals Inc. Substituted imidazo(2,1-b)quinazolin-5(3H)-ones and related tricyclic compounds and use as bronchodilators. 4,871,732, 10-3-89, Cl. 514-212.000.
- Peet, William J., to Babcock & Wilcox Company, The. Superheater outlet steam temperature control. 4,887,431, 12-19-89, Cl. 60-667.000.
- Peeters, Hendrikus W. C. M., to Optical Storage International-Holland. Optically readable information disk. 4,827,469, 5-2-89, Cl. 369-282.000.
- Peetz, Dieter; Scheeren, Peter; Siemonsen, Hans-Peter; Reinicke, Ralf; Witting, Lothar; and Schafhausen, Aloisius, to Saint-Gobain Vitrage. Adjustable insulating glass window. 4,875,308, 10-24-89, Cl. 49-501.000.
- Peetz, Richard H.: *See—*
  - Brown, Albert L.; Frantz, Joseph C.; and Peetz, Richard H., 4,888,169, Cl. 424-92.000.
- Peetz, Wolfang: *See—*
  - Moser, Bernhard; Peetz, Wolfang; and Hugger, Hermann, 4,883,135, Cl. 175-323.000.
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- Peffer, John R.: *See—*
  - Chang, Wen H.; Prucnal, Paul J.; Peffer, John R.; Dufford, Edward L.; and Ambrose, Ronald R., 4,808,663, Cl. 525-100.000.
- Peffer, Robert M.: *See—*
  - Bothner, Carl R.; Peffer, Robert M.; and Vernon, Curtis L., 4,827,311, Cl. 355-297.000.
- Peffley, Richard D.: *See—*
  - Priester, Ralph D., Jr.; Peffley, Richard D.; and Herrington, Ronald M., 4,845,133, Cl. 521-167.000.
- Peg Perego Pines SpA: *See—*
  - Perego, Gianluca, 4,819,958, Cl. 280-644.000.
- Pegasus International, Inc.: *See—*
  - Montaigne, Michael D., 4,830,141, Cl. 182-82.000.
  - Montaigne, Michael D.; and Lietaer, Bernard, 4,865,155, Cl. 182-14.000.
- Pegasus Sewing Machine Mfg. Co., Ltd.: *See—*
  - Choi, Hin-Fai; Matsushita, Hideo; and Suzawa, Masamiti, 4,834,010, Cl. 112-292.000.
  - Takagi, Katsumi; Negoro, Toshihito; and Tamagawa, Itaru, 4,873,931, Cl. 112-121.110.
- Pege, Leif; and Pege, Nils-Goran. Positioning device. 4,805,829, 2-21-89, Cl. 228-47.000.
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- Pegg, Anthony E.; and Erwin, Bradley G., to Research Corporation. S-alkylated coenzyme A with effect on polyamine acetylase. 4,826,968, 5-2-89, Cl. 536-27.000.
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  - Bendall, Max R.; and Pegg, David T., 4,820,983, Cl. 324-307.000.
- Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, to Adir et Cie. Pharmaceutically useful tricyclic amines derived from 2,3,5,6,7,8-hexahydronaphtho(2,3-B)furan and from 2,3,6,7,8,9-hexahydro-5H-benzocyclohepta(2,3-B)furan. 4,851,429, 7-25-89, Cl. 514-444.000.
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- Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, to Adir Et Cie. Certain dihydrobenzofuran butanoic and pentanoic acid derivatives. 4,874,878, 10-17-89, Cl. 549-462.000.
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  - Akesson, Yngve R.; Hansson, Nils E.; Olofsson, Mats; and Pegoraro, Guiliano, 4,868,951, Cl. 17-54.000.
- Pegram, Robert C. Combination beach towel and chair cover. 4,844,540, 7-4-89, Cl. 297-229.000.
- Pegrassi, Lorenzo: *See—*
  - Brambilla, Enzo; Mantegani, Sergio; Pegrassi, Lorenzo; Rossi, Alessandro; and Temperilli, Aldemio, 4,839,363, Cl. 514-288.000.
  - Buonamici, Metilde; Pegrassi, Lorenzo; Rossi, Alessandro; and Mantegani, Sergio, 4,847,253, Cl. 514-253.000.
- Peguy, Alain: *See—*
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- Pehl, John S.: *See—*
  - Rockwood, Robert E.; Antkowiak, Richard P.; and Pehl, John S., 4,863,177, Cl. 277-199.000.
- Pehr, Harold T. Hinged closure for containers. 4,809,874, 3-7-89, Cl. 220-338.000.
- Peiffer, Dennis G.; and Lundbeeg, Robert D., to Exxon Research & Engineering Company. Novel polyampholyte compositions possessing high degrees of acid, base, or salt tolerance in solution. 4,837,288, 6-6-89, Cl. 526-240.000.
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- Peiffer, Herbert: *See—*
  - Schmidt, Robert; and Peiffer, Herbert, 4,849,103, Cl. 210-323.200.
- Peiffer, Ronald J.; and Crook, David T., to Hewlett-Packard Company. In-circuit transistor beta test and method. 4,801,878, 1-31-89, Cl. 324-158.00T.
- Peigneur, Paul G. L.; Leest, Yvo F. H.; and Van Beersel, Jozef F. L., to N.V. Raychem S.A. Article for joining dimensionally recoverable parts. 4,803,104, 2-7-89, Cl. 428-35.100.
- Peiker, Andreas. Microphone mounting support. 4,811,405, 3-7-89, Cl. 381-169.000.

Peikin, Aaron J. Temperature measurement apparatus for use in recreational and sporting activities. 4,864,763, 9-12-89, Cl. 43-18.100.

Peil, Archie W.; and Bishop, Thomas R., to Bowen Tools, Inc. Fail-safe blowout preventer. 4,877,217, 10-31-89, Cl. 251-1.300.

Peil, William, to General Electric Company. Power distribution system for a phased array radar. 4,806,937, 2-21-89, Cl. 342-175.000.

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Peinemann, Klaus-Viktor: *See—*
Kneifel, Klemens; Peinemann, Klaus-Viktor; and Waldemann, Rudolf, 4,818,452, Cl. 264-41.000.

Peiretti, Domenico: *See—*
Bisson, Flavio; Cattaneo, Giacomo; and Peiretti, Domenico, 4,819,573, Cl. 112-454.000.
Ribolla, G. Carlo; Taroni, Federico; Peiretti, Domenico; and Pepino, Antonio, 4,870,727, Cl. 26-10.00C.

Peirish, Alfred J.; Schmidt, Theodore E.; and Thomas, William C., to Pacific Security Systems of America, Inc. External latch structure for locking a door in different positions. 4,872,286, 10-10-89, Cl. 49-449.000.

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Schmidt, Theodore E.; and Peirish, Alfred J., 4,881,766, Cl. 292-201.000.

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Bench, Ronald W.; Peitz, Robert W., Jr.; Palmer, John M.; and Erbs, Daryl G., 4,835,715, Cl. 364-557.000.

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Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahling, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, 4,797,790, Cl. 362-61.000.

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Badger, Ronald L.; and Pejakovich, Michael, 4,875,695, Cl. 280-33.993.

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Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, 4,888,033, Cl. 55-158.000.

Pek, Johan J. B.: *See—*
Bentham, Jeremy B.; and Pek, Johan J. B., 4,818,346, Cl. 202-197.000.

Pekala, Richard W., to United States of America, Energy. Low density, resorcinol-formaldehyde aerogels. 4,873,218, 10-10-89, Cl. 502-418.000.

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Hopper, Robert W.; and Pekala, Richard W., 4,806,290, Cl. 264-28.000.

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Rosiak, Janusz; Rucinska-Rybus, Anna; and Pekala, Wladyslaw, 4,871,490, Cl. 264-22.000.

Pekar, Gary W.; Mason, Jack W.; and Blanc, Michael, to LTV Aerospace and Defense Company. Portable grip length indicator. 4,876,800, 10-31-89, Cl. 33-784.000.

Pekar, Howard G.; Kinkelaar, Edmund W.; and Gira, Gerald T., to Texo Corporation. Friction reducing coating for metal surfaces. 4,849,264, 7-18-89, Cl. 427-388.100.

Pekarik, Alan J., to Glidden Company, The. Method of stabilizing epoxy-polyamide coatings. 4,840,980, 6-20-89, Cl. 523-456.000.

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Pekny, Robert E. Marine anchor. 4,823,721, 4-25-89, Cl. 114-303.000.

Pekruhn, Wolfgang; Kaiser, Ralf; and Kirchhoff, Hartmut, to Siemens Aktiengesellschaft. Thermal printing method. 4,887,092, 12-12-89, Cl. 346-1.100.

Pelacani, Alberto: *See—*
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Snavely, Gary L.; and Pelachyk, Richard, 4,841,832, Cl. 81-57.370.

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Markus, Arie; and Pelah, Zvi, 4,851,227, Cl. 424-419.000.

Pelavin, Milton H.: *See—*
Saros, Stephen; Smith, John L.; Cassaday, Michael M.; Herron, Rand E.; and Pelavin, Milton H., 4,853,336, Cl. 436-53.000.

Pelazza, Maria V. Snow removing and dissolving apparatus. 4,813,16 3-21-89, Cl. 37-228.000.

Pelc, Kenneth L. Method of making and packaging golf tees. 4,887,81 12-19-89, Cl. 273-210.000.

Pelc, Richard E., to General Electric Company. Shield suspension system for a magnetic resonance cryostat. 4,837,541, 6-6-89, Cl. 335-300.000.

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Pelczar, Stanley J. Weight lifting apparatus. 4,811,946, 3-14-89, Cl. 272-129.000.

Peleckis, Anthony J., to Bead Chain Manufacturing Co. Resilient electronic bandolier carrier strip and method of using the same. 4,799,589, 1-24-89, Cl. 206-330.000.

Peled, Emanuel; Gorenshtein, Aharon; and Segal, Monica, to Ramot Ltd. Lithium cell. 4,844,996, 7-4-89, Cl. 429-194.000.

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Daren, Stephen L. J.; Vofsi, David; and Peled, Michael, 4,835,326, Cl. 570-105.000.

Peleg, Alexander. Sheltering structures and a method of assembling same. 4,837,990, 6-13-89, Cl. 52-63.000.

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Pelerin, Gerard, to Societe Anonyme Roure Bertrand Dupont. Process for the production of substituted benzoic acid esters. 4,822,910, 4-18-89, Cl. 560-126.000.

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Bitller, Jean-Pierre; Faucher, Pascal; Hang-Hu, Monique; and Pelet, Andre, 4,858,068, Cl. 361-380.000.

Pelfrey, Steven D., to Cadillac Products, Inc. Roll cradle pallet and method for fabricating the same. 4,796,540, 1-10-89, Cl. 108-55.300.

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Baurmeister, Ulrich; and Pelger, Michael, 4,828,587, Cl. 55-159.000.
Behnke, Joachim; Schulze, Helmut; Berg, Ernst; and Pelger, Michael, 4,814,440, Cl. 536-56.000.

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Pelgrom, Marcellinus J. M.: *See—*
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Borchers, Jurgen; and Bubolz, Petra, 4,874,811, Cl. 524-516.000.
Krauter, Heinrich; Schmedes, Albert; Mecke, Norbert; and Kachenreuther, Wieland, 4,820,551, Cl. 427-146.000.
Kunkel, Ernst; and Rutz, Wolfhard, 4,871,620, Cl. 428-484.000.
Manusch, Christoph; Harp, Hans-Jurgen; and van Swieten, Roy, 4,849,064, Cl. 156-577.000.
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Pelikan, Inc.: *See—*
Paffhausen, Hans; and Morf, Uli G., 4,801,215, Cl. 400-224.000.

Pelin, Charles. Closed system, standpipe operated hydroelectric power plant. 4,807,437, 2-28-89, Cl. 60-325.000.

Pelischek, Timothy E.: *See—*
Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.

Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A. Multichannel X-ray spectrometer. 4,817,120, 3-28-89, Cl. 378-45.000.

Pelka, David G.; Popovich, John M.; and Fleishman, Roc V. Thermophotovoltaic system. 4,836,862, 6-6-89, Cl. 136-253.000.

Pelka, Joachim: *See—*
Betz, Hans; Mader, Herman; and Pelka, Joachim, 4,838,694, Cl. 356-357.000.

Pell, Donald M.; and Martinetto, Cosimo. Endotracheal tube apparatus and method. 4,850,348, 7-25-89, Cl. 128-207.150.

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Pellacini, Franco: *See—*
Della Bella, Davide; Carenzi, Angelo; Chiarino, Dario; and Pellacini, Franco, 4,840,936, Cl. 514-18.000.

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Pelle, Ralph D. Exercise and training device. 4,863,160, 9-5-89, Cl. 272-93.000.

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Pellerite, Mark J.: *See—*
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Pelletier, Charlie, to Societe De Fabrication D'Instruments De Mesure (S.F.I.M.). Signal generator with programmable variable frequency. 4,870,366, 9-26-89, Cl. 328-140.000.

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Dehganpour, Sam; and Pelley, Perry H., III, 4,800,531, Cl. 365-222.000.
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Pellinen, John R.: *See—*
Whitman, Robert W.; and Pellinen, John R., 4,852,266, Cl. 33-366.000.

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Nicholas Marchiani Chatelain, Marie L.; and Pellini, Jean-Pierre, 4,874,033, Cl. 165-1.000.

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Pellmann, Russell R. Modular casket. 4,800,631, 1-31-89, Cl. 27-7.000.

Pellon, Brian J.; Allen, George C.; and Hughes, Michael P., to Rexene Products Company. Novel propylene polymers. 4,859,757, 8-22-89, Cl. 526-348.000.

Pellon, Brian J.: *See—*
Allen, George C.; Pellon, Brian J.; and Hughes, Michael P., 4,847,340, Cl. 526-125.000.

Pelloni, Daniele: *See—*
Koch, Andreas; Lagadec, Roger; and Pelloni, Daniele, 4,825,398, Cl. 364-724.100.

Pelloux-Gervais, Pierre; Zapata, Richard; and Bres, Michel, to l'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Hood for protecting against smoke and hypoxia. 4,889,113, 12-26-89, Cl. 128-201.250.

Pellow, Scott P. W.; Larkman, Barry S.; and Stovicek, Paul, to Waitomo Industrial Investments Ltd. Antifouling composition. 4,866,106, 9-12-89, Cl. 523-122.000.

Pelmulder, John P.; and Gorton, Lanny A., to Pacesetter Infusion, Ltd. Cassette loading and latching apparatus for a medication infusion system. 4,813,190, 4-4-89, Cl. 417-360.000.

Pelmulder, John P.: *See—*
Garrison, Michi E.; and Pelmulder, John P., 4,878,896, Cl. 604-65.000.
Gorton, Lanny A.; and Pelmulder, John P., 4,872,813, Cl. 417-63.000.
Nason, Clyde K.; and Pelmulder, John P., 4,850,817, Cl. 417-362.000.

Pelonis, Kosta. AC power control. 4,800,330, 1-24-89, Cl. 323-243.000.

Peloquin, Debra J.: *See—*
Gavin, F. Paul; and Peloquin, Debra J., 4,843,788, Cl. 52-205.000.

Peloquin, Gary T. Locking ring for independent rear suspensions. 4,815,337, 3-28-89, Cl. 74-711.000.

Peloschek, Hans P.: *See—*
Hartman, Robert A.; and Peloschek, Hans P., 4,843,312, Cl. 324-158.00R.

Pelosi, Lorenzo F.: *See—*
De Lucca, George V.; Pelosi, Lorenzo F.; and O'Brien, John P., 4,861,527, Cl. 264-186.000.

Pelosi, Stanford S., Jr.: *See—*
Huang, Chau-Ting; Pelosi, Stanford S., Jr.; and Bayless, Allan V., 4,882,354, Cl. 514-461.000.

Pelous, Yvan: *See—*
Maurice, Francois; Froyer, Gerard; Pelous, Yvan; Petit, Michel; and Fauvarque, Jean-Francois, 4,863,574, Cl. 204-59.00R.

Pelski, Ronald E. Mattress support 4,888,838, 12-26-89, Cl. 5-207.000.

Pelster, Bernhard: *See—*
Fengler, Gerd; Klausener, Alexander; Buysch, Hans-Josef; Mardin, Mithat; and Pelster, Bernhard, 4,861,878, Cl. 544-48.000.

Peltier, Bertrand, to Schlumberger Technology Corporation. Method of detecting a fluid influx which could lead to a blow-out during the drilling of a borehole. 4,840,061, 6-20-89, Cl. 73-155.000.

Peltier, Bertrand; and Deshais, Richard, to Schlumberger Technology Corporation. Method for monitoring the operations of the rotary drilling of a well. 4,852,665, 8-1-89, Cl. 175-40.000.

Peltier, Michael J. Pistol holster and mounting bracket. 4,809,895, 3-7-89, Cl. 224-253.000.

Pelto, John H. Rotary fluid device. 4,809,507, 3-7-89, Cl. 60-486.000.

Pelton & Crane: *See—*
Childress, Bobby B., 4,865,814, Cl. 422-116.000.
McCrackin, Hugh J.; and Leffler, Dennis F., 4,848,838, Cl. 297-391.000.
McCrackin, Hugh J., 4,863,218, Cl. 297-39.100.

Peltz, David. Hand-held message sign. 4,876,811, 10-31-89, Cl. 40-586.000.

Peltzer, Douglas L.; Bechtel, Richard L.; Ko, Wen C.; and Liggett, William T., to Tactical Fabs, Inc. Solar cell and cell mount. 4,836,861, 6-6-89, Cl. 136-246.000.

Pelura, Timothy J.: *See—*
Chang, Stephen S.; Bao, Yongde; and Pelura, Timothy J., 4,874,629, Cl. 426-601.000.

Peluso, Franco: *See—*
Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, 4,821,996, Cl. 251-9.000.

Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased (by Ibolyka, Edit Tavasz Fodor nee, heir); Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, to Nitro Kemia Ipartelepek. Process for the preparation of 3-isopropyl-benzo-2-thia-1,3-diazinone-(4)-2,2-dioxide. 4,859,772, 8-22-89, Cl. 544-11.000.

Pelz, Karel: *See—*
Shaw, Chia-Cheng; and Pelz, Karel, 4,824,961, Cl. 548-432.000.

Pelz, Peter. Thermally insulating covering and process for producing. 4,812,190, 3-14-89, Cl. 156-221.000.

Pelz, Peter. Process for producing a lining member. 4,812,194, 3-14-89, Cl. 156-307.300.

Pelzl, Gerhard: *See—*
  Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
Pelzl, Leo; Seidel, Peter; and Zell, Karl, to Siemens Aktiengesellschaft. Centering strip for use with a backplane printed circuit board. 4,884,975, 12-5-89, Cl. 439-78.000.
Pelzl, Leo: *See—*
  Glomb, Kurt, Niggl, Heinz; Pelzl, Leo; and Zell, Karl, 4,826,453, Cl. 439-595.000.
  Seidel, Peter; Pelzl, Leo; and Zell, Karl, 4,840,573, Cl. 439-92.000.
  Zell, Karl; Seidel, Peter; and Pelzl, Leo, 4,813,890, Cl. 439-607.000.
Pemawansa, Kariyawasam P. W.; Heisler, Mark; and Kraus. Menahem, to Gelman Sciences, Inc. Polyaldehyde activated membranes. 4,824,870, 4-25-89, Cl. 521-53.000.
Pemberton, J. C.: *See—*
  East, Gregory M., 4,796,738, Cl. 192-20.000.
Pement, Fredric W.: *See—*
  Bevilacqua, Bruce W.; Cheng, Wenche W.; Stoner, Donald R.; Pement, Fredric W.; Burack, Robert D.; and Gilkison, Joseph M., 4,820,359, Cl. 148-127.000.
Pemmaraju, Ramarao V., to DTI Peripherals, Inc. Dynamically configurable communications network. 4,872,197, 10-3-89, Cl. 379-93.000.
Pempsell, Paul J.: *See—*
  Evans, Benjamin F.; Haagen, Peter H.; and Pempsell, Paul J., 4,825,200, Cl. 341-23.000.
Penard, Pierre: *See—*
  Vigarie, Jean-Pierre; Carlach, Jean-Claude; and Penard, Pierre, 4,841,462, Cl. 364-723.000.
Penato, Jean M.; Gabbay, Emile; and Debrouwer, Yves, to Thomson-CGR. Rotating anode with graphite for X-ray tube. 4,799,250, 1-17-89, Cl. 378-144.000.
Penaz, Jan, to University J.E. Purkyne v Brne. Automatic noninvasive blood pressure monitor. 4,869,261, 9-26-89, Cl. 128-667.000.
Pence, James F. Optionally illuminating handle. 4,855,881, 8-8-89, Cl. 362-156.000.
Pence, Jerry W., to International Business Machines Corporation. Optimizing volume mounts in a multidrive environment. 4,876,662, 10-24-89, Cl. 364-900.000.
Penco, Sergio: *See—*
  Bargiotti, Alberto; Bordoni, Teresa; Zini, Pierangelo; and Penco, Sergio, 4,839,346, Cl. 514-34.000.
Pencom International Corporation: *See—*
  Lee, Wai-Hon, 4,834,485, Cl. 350-96.190.
Penda Corporation: *See—*
  Emery, Phillip L., 4,850,633, Cl. 296-39.200.
Pendelton, Robert G.: *See—*
  Suh, John T.; Pendelton, Robert G.; Pendley, Charles E., II; Yu, Kin T.; Menard, Paul R.; and Schreiber, Alain B., 4,861,795, Cl. 514-510.000.
Pender, Joseph: *See—*
  Iggulden, Jerry R.; Streck, Donald A.; and Pender, Joseph W., 4,852,802, Cl. 239-64.000.
Pender, Joseph W.: *See—*
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Pendergast, William J. Postcard. 4,817,989, 4-4-89, Cl. 282-9.00R.
Pendergraft, Paul T., to Amoco Corporation. Removal of water vapor diluent after regeneration of metal oxide absorbent to reduce recycle stream. 4,842,843, 6-27-89, Cl. 423-574.00R.
Pendergraft, Paul T.; and McGalliard, Russell L., to Amoco Corporation. Process for removal of hydrogen sulfide and hydrogen polysulfide from liquid sulfur. 4,844,720, 7-4-89, Cl. 55-73.000.
Pendergraft, Paul T., to Amoco Corporation. Sulfur recovery process using metal oxide absorbent with improved purge. 4,871,521, 10-3-89, Cl. 423-230.000.
Pendergraft, Paul T.: *See—*
  McGovern, John J., Pendergraft, Paul T.; and Lee, Min-Hsiun, 4,797,268, Cl. 423-574.00R.
Pendergrass, Daniel B., Jr.: *See—*
  Norbury, R. James; and Pendergrass, Daniel B., Jr., 4,878,775, Cl. 401-132.000.
Pendleton, Phillip, to Olin Hunt Specialty Products Inc. Process for preparing the through hole walls of a printed wiring board for electroplating. 4,874,477, 10-17-89, Cl. 204-15.000.
Pendleton, Robert G.; Pendley, Charles E., II; Suh, John T.; Yu, Kin T.; Menard, Paul R.; and Herczeg, Tihamer, to Rorer Pharmaceutical Corporation. Treatment of conditions requiring enhanced oxygen availability to mammalian tissues. 4,849,416, 7-18-89, Cl. 514-150.000.
Pendleton, Stevens P.; and Worsford, Herbert A., to Vac-U-Max. Bulk bag unloading station. 4,810,156, 3-7-89, Cl. 414-415.000.
Pendleton, Thomas: *See—*
  Moore, Donald L.; Spilman, Raymond; and Pendleton, Thomas, 4,844,566, Cl. 312-108.000.
Pendleton, Thomas J.: *See—*
  Kane, Richard; Meyerhoefer, Carl; Miller, David C.; and Pendleton, Thomas J., 4,858,781, Cl. 220-407.000.
  Koda, Walter; Meyerhoefer, Carl; Miller, David C.; Pendleton, Thomas J.; and Smith, Maria-Teresa, 4,865,214, Cl. 220-263.000.
Pendley, Charles E., II: *See—*
  Pendleton, Robert G.; Pendley, Charles E., II; Suh, John T.; Yu, Kin T.; Menard, Paul R.; and Herczeg, Tihamer, 4,849,416, Cl. 514-150.000.
  Suh, John T.; Pendelton, Robert G.; Pendley, Charles E., II; Yu, Kin T.; Menard, Paul R.; and Schreiber, Alain B., 4,861,795, Cl. 514-510.000.
Pendley, David M.: *See—*
  Sue, Horace O.; Guttman, Richard T.; Pendley, David M.; and Keys, William C., 4,812,674, Cl. 307-116.000.
Pendy Plastic Products Limited: *See—*
  Radcliffe, Anthony E., 4,854,489 Cl. 223-95.000.
Penelon, Maryvonne, to Videocolor. Low consumption electron gun for cathode ray tubes. 4,825,119, 4-25-89, Cl. 313-344.000.
Penenberg, Brad L.; Jasty, Murali; and Chandler, Hugh P. Tibial prosthesis, template and reamer. 4,808,185, 2-28-89, Cl. 623-20.000.
Penetron, Inc.: *See—*
  Gomberg, Henry J., 4,864,142, Cl. 250-390.040.
Penford Products Co.: *See—*
  Caton, Dennis W., 4,810,307, Cl. 127-63.000.
Penfound, Keith A.: *See—*
  Burrows, Ronald W.; Penfound, Keith A.; and Lea, Bernard A., 4,857,450, Cl. 430-603.000.
  Grzeskowiak, Nicholas E.; and Penfound, Keith A., 4,828,962, Cl. 430-230.000.
  Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; Finn, Peter J.; and Fisher, Michael G., 4,814,827, Cl. 355-37.000.
  Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; and Finn, Peter J., 4,824,770, Cl. 430-363.000.
Peng, Cheng-Jien: *See—*
  Ting, Ching-Jui; and Peng, Cheng-Jien, 4,855,571, Cl. 219-376.000.
Peng, Ching L. Ladder positioning mechanism. 4,805,737, 2-21-89, Cl. 182-163.000.
Peng, Hsiang. Steering wheel assembly. 4,887,484, 12-19-89, Cl. 74-556.000.
Peng, James P., to Eastman Kodak Co. Method of preparing perpendicularly oriented magnetic recording media. 4,859,495, 8-22-89, Cl. 427-48.000.
Peng, Jung-Chang. Table with changeable table sheet. 4,821,651, 4-18-89, Cl. 108-157.000.
Peng, Victor; Bowhill, William J.; and Gavrielov, Nachum M. Apparatus and method for using a single carry chain for leading one detection and for "sticky" bit calculation. 4,864,527, 9-5-89, Cl. 364-748.000.
Peng, Victor: *See—*
  Benschneider, Bradley J.; and Peng, Victor, 4,862,405, Cl. 364-760.000.
  Gronowski, Paul E.; Peng, Victor; and Gavrielov, Nachum M., 4,858,165, Cl. 364-748.000.
  Samudrala, Sridhar; Peng, Victor; and Gavrielov, Nachum M., 4,849,923, Cl. 364-748.000.
Peng, Wang D.: *See—*
  Yan, Huang Y.; and Peng, Wang D., 4,806,481, Cl. 435-253.400.
Peng, Yao: *See—*
  Decko, Gary W.; Peng, Yao; and Vogel, Herman, 4,802,823, C 416-97.00A.
Peng Yu-Yin; and Fu, Shih-Lien, to Industrial Technology Research Institute. Electromagnetic permeable-shell-free diaphragm valve. 4,852,854, 8-1-89, Cl. 251-129.170.
Peng, Yu-Yin, to Industrial Technology Research Institute. Dynamic particulate observation apparatus. 4,878,074, 10-31-89, Cl. 354-76.000.
Peng, Yuchi P.: *See—*
  Parrott, Richard M.; Peng, Yuchi P.; and Ricketts, William J., 4,821,770, Cl. 137-596.170.
Pengeinstitutternes Kobe - og Kreditkortaktieselskab: *See—*
  Rahtgen, Preben, 4,882,779, Cl. 380-24.000.
Pengilly, Eric A. Transmission with plural torque transmission paths. 4,876,908, 10-31-89, Cl. 74-410.000.
Penhale, Donald W. H.: *See—*
  Heller, Jorge; and Penhale, Donald W. H., 4,801,457, Cl. 424-422.000.
  Heller, Jorge; Penhale, Donald W. H.; and Ng, Steve Y., 4,855,132, Cl. 424-78.000.
Penhasi, Harry A., to Beckman Instruments, Inc. Rotor for centrifuge. 4,798,579, 1-17-89, Cl. 494-18.000.
Penhasi, Harry A., to Beckman Instruments, Inc. Rotor with stress relief. 4,822,330, 4-18-89, Cl. 494-16.000.
Penicaut, Alain M. R.; and Chapelain, Jean C., to Otis Elevator Company. Method for installing elevator doors. 4,819,403, 4-11-89, Cl. 52-741.000.
Penick & Ford, Limited: *See—*
  Fox, Charles J., 4,808,479, Cl. 428-394.000.
Penick, Ronald J.: *See—*
  Rehn, Bryce H.; Penick, Ronald J.; Esters, Daniel W.; and Baker, Harold A., 4,829,956, Cl. 123-198.0DB.
Peninger, Robert H., to Manufacturers Industrial Technology, Inc. Flame retardant and smoke suppressant composition. 4,859,365, 8-22-89, Cl. 252-601.000.
Peninsular, Inc.: *See—*
  LaBair, Richard L., 4,827,835, Cl. 92-128.000.
Penkar, Rajan C., to Unimation Inc. Multiaxis robot having improved motion control through variable acceleration/deceleration profiling. 4,829,219, 5-9-89, Cl. 318-568.180.
Penkar, Rajan C.: *See—*
  Perzley, William; Penkar, Rajan C.; and Davis, Jeffrey R., 4,823,279, Cl. 364-513.000.
Penkava, Josef: *See—*
  Nemec, Petr; and Penkava, Josef, 4,815,344, Cl. 81-57.380.

Penkoske, Donald G.: *See—*
  Kamlukin, Igor; Penkoske, Donald G.; and Schanz, John W., 4,807,904, Cl. 280-781.000.
Penkoske, Patricia A.: *See—*
  Witkowski, Francis X.; and Penkoske, Patricia A., 4,847,980, Cl. 29-592.100.
Penkunas, Joe; and Portnoff, Neil, to GTE Products Corporation. Rotatable cutting bit. 4,865,392, 9-12-89, Cl. 299-86.000.
Penkunas, Joseph J.; Smith, Theodore E.; and Burwick, Jack L., to GTE Products Corporation. Method for producing metal carbide grade powders. 4,886,638, 12-12-89, Cl. 419-15.000.
Penlesky, Robert G.; Wolbrink, David W.; Jonas, Kenneth J.; and Kuhnke, Thomas A., to Broan Manufacturing Co., Inc. Exhaust fan for bathrooms and the like. 4,867,640, 9-19-89, Cl. 415-204.000.
Penman, Sheldon; and Fey, Edward G., to Massachusetts Institute of Technology. Method for determining tissue of origin and degree of malignancy of tumor cells. 4,882,268, 11-21-89, Cl. 435-5.000.
Penman, Sheldon; and Fey, Edward G., to Massachusetts Institute of Technology. Method for determining tissue of origin and presence and extent of cellular abnormalities. 4,885,236, 12-5-89, Cl. 435-6.000.
Penn, Jack C.: *See—*
  Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.
Penn, John T.: *See—*
  Morris, Steven A.; Mount, Houston B., II; and Penn, John T., 4,837,753, Cl. 367-69.000.
Penn, Laurence R.; and Anderson, Steven R. Apparatus for proportioning or for proportioning and mixing plural different fluid compositions. 4,846,373, 7-11-89, Cl. 222-137.000.
Penn, Paul E., to Dart Controls, Inc. Solid state device package mounting apparatus. 4,853,828, 8-1-89, Cl. 361-386.000.
Penn, Paul E.; Werckman, Roger A., Jr.; and Waymire, John W., to Dart Controls, Inc. Modular motor controller. 4,873,473, 10-10-89, Cl. 388-814.000.
Penn, Paul E.; and Grissom, Gary R., to Dart Controls, Inc. Electronic speed control interlock. 4,888,813, 12-19-89, Cl. 388-838.000.
Penn Plax Plastics, Inc.: *See—*
  Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Goldman, Terry, 4,804,012, Cl. 137-343.000.
  Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Sauerman, Eric, 4,820,556, Cl. 428-7.000.
Penn, Richard S.: *See—*
  Carlstedt, Kenneth T.; and Penn, Richard S., 4,876,598, Cl 358-160.000.
Penn, Steven C.; and Wilkes, Michael D., to International Business Machines Corporation. Audio editor display interface. 4,868,687, 9-19-89, Cl. 360-13.000.
Pennace, John R.; and Quinn, Sharon A., to Flexcon Co., Inc. Silicone releases, laminates and methods. 4,818,576, 4-4-89, Cl. 428-40.000.
Pennati, Giuseppe. Inflatable boat with a rigid or semirigid keel and a catamaran or trimaran bottom, and with guides arranged flush with the boat floor. 4,823,726, 4-25-89, Cl. 114-345.000.
Pennebaker, William B.; Mitchell, Joan L.; and Mintzer, Frederick C., to International Business Machines Corporation. Soft copy display of facsimile images. 4,885,576, 12-5-89, Cl. 340-793.000.
Pennebaker, William B.: *See—*
  Anderson, Karen L.; Pennebaker, William B.; and Pennington, Keith S., 4,885,786, Cl. 382-47.000.
  Mitchell, Joan L.; and Pennebaker, William B., 4,799,105, Cl. 358-160.000.
Pennebaker, William B., Jr.: *See—*
  Gonzales, Cesar A.; Mitchell, Joan L.; and Pennebaker, William B., Jr., 4,870,695, Cl. 382-56.000.
Penneck, Richard J.; Fox, David R.; and Atkinson, Edward B., to Focas Limited. Support member for pressure sensor. 4,809,244, 2-28-89, Cl. 367-162.000.
Pennefather, John: *See—*
  Sands, Robert L.; and Pennefather, John, 4,811,729, Cl. 128-202.120.
Pennella, Benito V. U. Lighting portable utensil forming an umbrella, sunshade or the like. 4,848,385, 7-18-89, Cl. 135-16.000.
Penner, Dale C.: *See—*
  Dower, Roger G.; Penner, Dale C.; and Hannebauer, Robert S., 4,845,496, Cl. 341-13.000.
Penner, Jacob, to Inland Steel & Forgings Ltd. Big bale unroller. 4,886,409, 12-12-89, Cl. 414-24.600.
Penner, Reuben. Apparatus and method for preparing fragments from tire casings. 4,852,812, 8-1-89, Cl. 241-24.000.
Penner, Thomas L.; Noonan, John M.; and Ponticello, Ignazio S., to Eastman Kodak Company. Langmuir-Blodgett film assembly. 4,830,952, 5-16-89, Cl. 430-287.000.
Penners, Gunther: *See—*
  Ohst, Holger; Podszun, Wolfgang; Suling, Carlhans; Goossens, John; and Penners, Gunther, 4,840,989, Cl. 524-544.000.
Pennev, Penio; Rajagopalan, Parthasarathi; and Scribner, Richard M., to Du Pont de Nemours, E. I., and Company. Benoz-fused cycloalkane trans-1,2-diamine derivatives. 4,876,269, 10-24-89, Cl. 514-429.000.
Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, to Rohm GmbH. Shear stable multirange oils having an improved viscosity index. 4,822,508, 4-18-89, Cl. 252-56.00R.
Pennewiss, Horst; Jost, Heinz; and Knoell, Helmut, to Rohm GmbH. Pour point improving additives for mineral oils. 4,867,894, 9-19-89, Cl. 252-56.00R.
Penney, Bruce J., to Tektronix, Inc. Method and apparatus for measuring delay and/or gain difference using two different frequency sources. 4,829,366, 5-9-89, Cl. 358-10.000.
Penney, Bruce J.: *See—*
  Baker, Daniel G.; Cooper, William J.; and Penney, Bruce J., 4,890,158, Cl. 358-10.000.
Penney, Carl M.; and Corby, Nelson R., Jr., to General Electric Company. Coded aperture light detector for three dimensional camera. 4,830,485, 5-16-89, Cl. 356-1.000.
Penney, Carl M.: *See—*
  McLaughlin, Michael H.; and Penney, Carl M., 4,864,777, Cl. 51-281.00R.
Penney, Gaylord W. Close-spaced electrostatic precipitator. 4,861,356, 8-29-89, Cl. 55-137.000.
Penney, Richard C.; Kukowski, Thomas R.; Sundquist, Stephen K.; and Mike, Charles J., to Dacomed Corporation. Nocturnal penile tumescence and rigidity monitor with removable loops. 4,848,361, 7-18-89, Cl. 128-774.000.
Penney, Ross S.: *See—*
  Rushing, John A.; Harris, Sam; and Penney, Ross S., 4,815,677, Cl. 244-33.000.
Pennica, Diane: *See—*
  Goeddel, David V.; Kohr, William J.; Pennica, Diane; and Vehar, Gordon A., 4,853,330, Cl. 435-226.000.
Penning, Thomas D.: *See—*
  Johnson, Carl R.; and Penning, Thomas D., 4,873,360, Cl. 560-121.000.
Penninger, Josef: *See—*
  Schmid, Karl-Heinz; Penninger, Josef; and Moeller, Hinrich, 4,874,579, Cl. 422-16.000.
Penninger, Stefan: *See—*
  Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,408, Cl. 560-330.000.
  Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,409, Cl. 560-330.000.
Pennington, B. Timothy, to Olin Corporation. Alkylene oxides production from C7 to C22 olefins using molten nitrate salt catalyst. 4,882,443, 11-21-89, Cl. 549-532.000.
Pennington, B. Timothy, to Olin Corporation. Alkylene oxides production using molten nitrate salt catalyst and a co-catalyst. 4,883,889, 11-28-89, Cl. 549-532.000.
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Pennington, B. Timothy; and Katz, Lawrence E., to Olin Corporation. Aldehyde production from alkylaromatics using molten nitrate salt catalyst. 4,885,412, 12-5-89, Cl. 568-469.900.
Pennington, Donald W.: *See—*
  Noding, Stephen A.; Siegel, Sanford A.; and Pennington, Donald W., 4,804,582, Cl. 428-332.000.
Pennington, Fred A.: *See—*
  Parks, Elmer L.; and Pennington. Fred A., 4,842,723, Cl. 210-95.000.
Pennington, John: *See—*
  Drury, David J.; and Pennington, John, 4,851,569, Cl. 560-239.000.
Pennington, Keith S.: *See—*
  Afzali-Ardakani, Ali; Desai, Mukesh; Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,800,397, Cl. 346-1.100.
  Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.
  Afzali-Ardakani, Ali; and Pennington, Keith S., 4,836,106, Cl. 101-467.000.
  Anderson, Karen L.; Pennebaker, William B.; and Pennington, Keith S., 4,885,786, Cl. 382-47.000.
  Cohen, Mitchell S.; Sachdev, Krishna G.; Shen, John C. S.; and Pennington, Keith S., 4,830,909, Cl. 428-331.000.
  Factor, Bradford J.; Hoekstra, Jan-Pieter; and Pennington, Keith S., 4,836,105, Cl. 101-453.000.
Pennington, Rodney L., to Regenerative Environmental Equipment Co. Inc. Combustion apparatus with auxiliary burning unit for liquid fluids. 4,802,423, 2-7-89, Cl. 110-233.000.
Pennington, Roy E., to Hewlett-Packard Company. Mass interconnect system. 4,804,335, 2-14-89, Cl. 439-64.000.
Pennington, Roy E., to Hewlett-Packard Company. Mass interconnect system. 4,875,861, 10-24-89, Cl. 439-79.000.
Pennington, Terris L., to Rane Corporation. Synchronous modulation circuit. 4,882,664, 11-21-89, Cl. 363-41.000.
Pennini, Renzo: *See—*
  Leonardi, Amedeo; Pennini, Renzo; Cazzulani, Pietro; and Nardi, Dante, 4,806,534, Cl. 514-233.500.
Pennink, Hans, deceased (by Pennink, Liv, executrix), to Atlas Copco Aktiebolag. Thrust monitoring and balancing apparatus. 4,884,942, 12-5-89, Cl. 415-104.000.
Pennink, Liv, executrix: *See—*
  Pennink, Hans, deceased, 4,884,942. Cl. 415-104.000.
Pennise, Paul A. Paint roller cleaner. 4,809,722, 3-7-89, Cl. 134-138.000.
Pennison, Robert A.; and Biek, Paul A., to Dresser Industries, Inc. Clutch for positive feed drill. 4,799,833, 1-24-89, Cl. 408-132.000.
Penniston, William: *See—*
  Fitts, James; and Penniston, William, 4,866,557, Cl. 361-96.000.

Pennline, Henry W.: *See—*
  Yeh, James T.; Ekmann, James M.; Pennline, Henry W.; and Drummond, Charles J., 4,878,442, Cl. 110-345.000.
Pennock, Betty D. Attachment for a safty belt harness. 4,886,318, 12-12-89, Cl. 297-482.000.
Pennock, John L., to Wolfson Microelectronics Limited. MOS transconductance amplifier for active filters. 4,823,092, 4-18-89, Cl. 330-253.000.
Pennock, John L., to Seagate Technology, Inc. Voice coil actuator positioning amplifier. 4,885,517, 12-5-89, Cl. 318-678.000.
Pennock, Thomas G., to Moore Business Forms, Inc. Continuous business form assembly of mailer units including detachment slits. 4,813,593, 3-21-89, Cl. 229-69.000.
Pennor, Carl: *See—*
  Vitta, Michael; and Pennor, Carl, 4,870,552, Cl. 362-369.000.
Pennsylvania State University: *See—*
  Limaye, Santosh Y.; Agrawal, Dinesh K.; McKinstry, Herbert A.; and Roy, Rustum, 4,801,566, Cl. 501-104.000.
Pennwalt Corporation: *See—*
  Albrecht, William L.; and Wu, Edwin S., 4,797,498, Cl. 549-403.000.
  Baron, Arthur L.; Myers, Terry N.; and Wicher, Jerome, 4,874,803, Cl. 524-94.000.
  Bartoszek, Edward J., 4,804,702, Cl. 524-432.000.
  Bartoszek, Edward J., 4,881,794, Cl. 350-96.230.
  Bloomfield, Philip E.; Ferren, Richard A.; and Wickwire, Dean H., 4,800,048, Cl. 264-22.000.
  Burch, Robert H.; and Gravelle, Joseph M., 4,846,584, Cl. 374-31.000.
  Carroll, Glenn T.; Lindstrom, Michael J.; and Tuszynski, William J., 4,804,485, Cl. 252-8.552.
  Corrado, Daniel R., 4,822,474, Cl. 204-402.000.
  Elsheikh, Maher Y., 4,827 055, Cl. 570-160.000.
  Gardner, David M.; McElligott, Paul J.; and Clark, Roger T., 4,827,031, Cl. 564-485.000.
  Gardner, David M.; Wheaton, Gregory A.; and Nosowitz, Martin, 4,876,048, Cl. 260-543.00R.
  Gastgeb, Raymond F., 4,841,256, Cl. 331-25.000.
  Gastgeb, Raymond F.; and Tom, Edward, 4,870,868, Cl. 73-649.000.
  Georgiev, Vassil S.; and Mullen, George B., 4,831,154, Cl. 548-240.000.
  Georgiev, Vassil S.; and Mullen, George B., 4,835,283, Cl. 548-240.000.
  Goltz, Kurt, 4,859,281, Cl. 156-666.000.
  Graeber, Edward L.; and Lindstrom, Michael J., 4,859,778, Cl. 548-158.000.
  Griffith, Ronald C.; and Napier, James J., 4,798,687, Cl. 260-501.100.
  Griffith, Ronald C.; and Napier, James J., 4,855,462, Cl. 549-354.000.
  Husain, Altaf; and Sandler, Stanley R., 4,812,596, Cl. 568-788.000.
  Johnson, Mark D.; and Smith, Nelson W., 4,824,586, Cl. 252-49.500.
  Johnson, Mark D., 4,869,844, Cl. 252-159.000.
  Kamath, Vasanth R.; and Palys, Leonard H., 4,804,775, Cl. 558-358.000.
  Kazmierczak, Robert T.; MacLeay, Ronald E.; and Wicher, Jerome, 4,801,749, Cl. 564-158.000.
  Kazmierzak, Robert T.; and MacLeay, Ronald E., 4,857,595, Cl. 525-142.000.
  MacLeay, Ronald E.; and Kazmierczak, Robert T., 4,824,884, Cl. 524-99.000.
  MacLeay, Ronald E., 4,831,096, Cl. 525-333.600.
  MacLeay, Ronald E.; and Myers, Terry N., 4,857,596, Cl. 525-142.000.
  MacLeay, Ronald E.; and Myers, Terry N., 4,863,999, Cl. 525-142.000.
  MacLeay, Ronald E., 4,866,136, Cl. 525-327.600.
  MacLeay, Ronald E.; and Myers, Terry N., 4,868,246, Cl. 525-142.000.
  Murray, Robert J., 4,847,301, Cl. 514-624.000.
  Myers, Terry N.; 4,822,883, Cl. 546-16.000.
  Myers, Terry N., 4,885,347, Cl. 525-447.000.
  Radice, Peter F., 4,843,275, Cl. 310-334.000.
  Raghunathan, Yegnaswami, 4,847,077, Cl. 424-79.000.
  St. Georgiev, Vassil; and Mullen, George B., 4,803,282, Cl. 548-336.000.
  Sandler, Stanley R., 4,845,270, Cl. 560-205.000.
  Schenk, Jacob W., 4,806,082, Cl. 417-388.000.
  Sheetz, Nicholas J., 4,888,090, Cl. 156-665.000.
  Toukan, Sameeh S., 4,800,028, Cl. 252-25.000.
  Wu, Edwin S., 4,806,660, Cl. 549-466.000.
  Yen, Jeffrey H., 4,855,113, Cl. 422-259.000.
Penny-Ohlmann-Neiman, Inc.: *See—*
  Neiman, Ralph, 4,796,921, Cl. 283-91.000.
Penny, Robert D.: *See—*
  de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., 4,834,850, Cl. 204-109.000.
Penny, Samuel L.: *See—*
  Hall, Johnce E.; and Penny, Samuel L., 4,822,212, Cl. 405-227.000.
Penny, William H.: *See—*
  Robinson, David B.; and Penny, William H., 4,838,269, Cl. 128-344.000.
Penny, William H., III; Rosen, Jonathan J.; and Acosta, George M., to Medtronic, Inc. Stent for aortic heart valve. 4,816,029, 3-28-89, Cl. 623-2.000.
Pennypacker, Carl; Morris, Donald E.; and Tans, Pieter P. Infrared imager for viewing subcutaneous location of vascular structures and method of use. 4,817,622, 4-4-89, Cl. 128-664.000.
Pennzoil Company: *See—*
  Lin, Jia-Wen; and Holloway, Tom C., 4,866,659, Cl. 364-421.000.
Pennzoil Products Company: *See—*
  Chiu, I-Ching, 4,863,622, Cl. 252-47.500.
  Chiu, I-Ching, 4,873,370, Cl. 564-500.000.
  Magyar, Arpad M.; Patton, Darrell W.; and DesLauriers, Paul J., 4,824,589, Cl. 252-82.000.
  Shortt, Alexandra B.; and Gupta, D. V. Satyanarayana, 4,867,911, Cl. 252-544.000.
  Venier, Clifford G.; and Casserly, Edward W., 4,849,566, Cl. 585-23.000.
  Wilburn, Bruce E.; and Heilman, William J., 4,844,829, Cl. 252-56.00R.
Pennzoil Sulphur Company: *See—*
  Peters, John R.; Ramey, Max E.; Seyffert, Arturo E.; Canon, Jack L.; Robinson, Michael W.; and Abercrombie, William T., 4,869,555, Cl. 299-7.000.
Penora, Sal J. Temple adapter. 4,801,199, 1-31-89, Cl. 351-111.000.
Penot, Jean, to Automobiles Peugeot; and Automobiles Citroen. Rear axle for motor vehicles. 4,830,400, 5-16-89, Cl. 280-723.000.
Penot, Olivier: *See—*
  Quatse, Jesse T.; Heitz, Lionel; Pergent, Jacky; and Penot, Olivier, 4,864,531, Cl. 364-900.000.
Penril Corporation: *See—*
  Tretter, Steven A., 4,873,701, Cl. 375-27.000.
Penrod, Bruce M.: *See—*
  Echols, James D.; Barnes, James A.; and Penrod, Bruce M., 4,839,613, Cl. 331-69.000.
Pensa, Ildo E.; Hughes, C. Duff; Hood, Nicholas S.; and Saunders, Eugene M. Non-aqueous process for the dyeing of dyable materials at an elevated temperature in a non-reactive environment and in a non-aqueous dye solvent. 4,828,571, 5-9-89, Cl. 8-492.000.
Pensavecchia, Frank; Morrison, John R.; and Kleinfeld, Neil D., to Genicom Corporation. Vertical stand-alone printer. 4,828,416, 5-9-89, Cl. 400-624.000.
Pensel, Werner: *See—*
  Bottger, Wolfgang; Biedermann, Kurt; and Pensel, Werner, 4,840,828, Cl. 428-120.000.
Penson, Christopher J., to Xerox Corporation. Sheet feed apparatus and cartridge therefor. 4,830,354, 5-16-89, Cl. 271-147.000.
Pentapharm AG: *See—*
  Stocker, Kurt F.; and Svendsen, Lars G., 4,849,403, Cl. 514-2.000.
Pentasystem S.p.A.: *See—*
  Virdia, Antonio, 4,873,427, Cl. 235-492.000.
Pentel Kabushiki Kaisha: *See—*
  Kobayashi, Yuichi; and Saito, Satoshi, 4,822,417, Cl. 106-23.000.
  Kurokawa, Takumi; Nagaki, Takeshi; and Sekiguchi, Tomozo, 4,867,593, Cl. 401-186.000.
  Nagahama, Masamitsu; Ohsawa, Masaaki; and Kawasaki, Masayuki, 4,824,271, Cl. 401-196.000.
  Oikawa, Hideaki, 4,838,721, Cl. 401-53.000.
  Oikawa, Hideaki, 4,884,911, Cl. 401-65.000.
  Sasaki, Toshiyuki, 4,826,339, Cl. 401-269.000.
  Sekiguchi, Tomozo; and Noguchi, Kazuya, 4,795,063, Cl. 222-105.000.
  Sekiguchi, Tomozo; and Noguchi, Kazuma, 4,844,299, Cl. 222-94.000.
Pentith, Gerald R. O.: *See—*
  Pentith, Sybil; and Pentith, Gerald R. O., 4,838,614, Cl. 299-15.000.
Pentith, Sybil; and Pentith, Gerald R. O., to Dosco Overseas Engineering Limited. Method of excavation and apparatus therefor. 4,838,614, 6-13-89, Cl. 299-15.000.
Pento, Joseph T.: *See—*
  Magarian, Robert A.; and Pento, Joseph T., 4,879,315, Cl. 514-754.000.
Penttinen, Risto: *See—*
  Morsky, Esa; and Penttinen, Risto, 4,827,992, Cl. 141-11.000.
Pentwater Wire Products, Inc.: *See—*
  Petter, Jay C., 4,880,118, Cl. 206-513.000.
Penven, Patrick, to Asten Group, Inc. Method of seaming a seamed felt on a papermaking machine with oppositely tapered pintle elements. 4,806,208, 2-21-89, Cl. 162-199.000.
Penven, Patrick H., to Asten Group, Inc. Papermaker's felt containing scrim material. 4,806,413, 2-21-89, Cl. 428-222.000.
Penven, Patrick H., to Asten Group, Inc. Papermaking apparatus having a seamed wet press felt. 4,824,525, 4-25-89, Cl. 162-358.000.
Penven, Patrick H., to Asten Group, Inc. Seam design for seamed felts. 4,846,231, 7-11-89, Cl. 139-383.00A.
Penven, Patrick H., to Asten Group, Inc. Seam design for seamed felts. 4,883,096, 11-28-89, Cl. 139-383.00A.
Penzhorn, Ralf-Dieter; Glugla, Manfred; and Schuster, Peter, to Kernstorschungzentrum Karlsruhe GmbH. Process and apparatus for decontaminating exhaust gas from a fusion reactor fuel cycle of exhaust gas components containing chemically bonded tritium and/or deuterium. 4,849,155, 7-18-89, Cl. 376-146.000.
Penzhorn, Ralf-Dieter; and Yoshida, Hiroshi, to Kernforschungszentrum Karlsruhe GmbH. Process for cleaning the exhaust gas of a fusion reactor. 4,875,945, 10-24-89, Cl. 376-146.000.
People Co., Ltd.: *See—*
  Kiribuchi, Shin-ichiro, 4,815,727, Cl. 272-1.00R.

Peoples, Clarence A., Jr.: *See—*
  Weinle, Paul L.; Smith, Vernon C.; Gardner, Christopher H.; Peoples, Clarence A., Jr.; and Pierce, Matthew R., 4,840,832, Cl. 428-156.000.
Peoples, John R.; and Phillips, Billy R., to Hughes Aircraft Company. Detachable thrust vector mechanism for an aeronautical vehicle. 4,844,380, 7-4-89, Cl. 244-3.220.
Peoples, Leslie: *See—*
  Moglianesi, Carlos J.; Falco, Mark; and Peoples, Leslie, 4,847,936, Cl. 15-167.100.
Peoples, P. Robert: *See—*
  Mathews III, Marion J.; and Peoples, P. Robert, 4,841,087, Cl. 558-363.000.
Peoples, Stuart A.; and Nay, John, to General Signal Corporation. Transient suppressing power transformer. 4,864,265, 9-5-89, Cl. 336-5.000.
People's Telephone Cooperative, Inc.: *See—*
  Kelly, Leroy, 4,860,287, Cl. 370-108.000.
Peoples, William J., to Polymer Dynamics Technology, Inc. Shock absorbing device for high heel footwear. 4,876,805, 10-31-89, Cl. 36-43.000.
Pepchinski, Michael P., to Exxon Production Research Co. Method for establishing a common bandwidth for processing seismic data obtained from different sources, recording equipment and surveys. 4,837,752, 6-6-89, Cl. 367-38.000.
Pepe, Enrico J., to Union Carbide Corporation. Novel n-silyl substituted 1-sila-2-azacyclopentanes. 4,804,771, 2-14-89, Cl. 556-407.000.
Pepe, Enrico J.; and Tarin, Pedro M., to Union Carbide Corporation. Method of pretreatment of inorganics with novel N-silyl substituted 1-sila-2-azacycloalkanes. 4,849,263, 7-18-89, Cl. 427-336.000.
Pepe, Enrico J.: *See—*
  Mohr, Paul H.; and Pepe, Enrico J., 4,822,901, Cl. 556-438.000.
Pepera, Marc A.: *See—*
  Desmond, Michael J.; and Pepera, Marc A., 4,801,569, Cl. 502-209.000.
Pepi, Jerome S.; and Horgan, Michael W., to Grinnell Corporation. Coupling for rigidly connecting pipe sections. 4,861,075, 8-29-89, Cl. 285-112.000.
Pepin, Odile: *See—*
  Bisagni, Emile; Chi Hung, Nguyen; and Pepin, Odile, 4,835,160, Cl. 514-292.000.
Pepin, Regis: *See—*
  DeBourge, Jean-Claude; Greiner, Alfred; and Pepin, Regis, 4,863,943, Cl. 514-383.000.
  Lambert, Claude; and Pepin, Regis, 4,851,396, Cl. 514-63.000.
Pepino, Antonio: *See—*
  Ribolla, G. Carlo; Taroni, Federico; Peiretti, Domenico: and Pepino, Antonio, 4,870,727, Cl. 26-10.00C.
Pepinsky, R. Blake: *See—*
  Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,874,743, Cl. 514-12.000.
  Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., 4,879,224, Cl. 435-68.000.
Pepoy, Louis J.; Foye, Thomas E.; and Malchick, Sherwin P., to BASF Corporation. Lithographic ink composition and process for making same. 4,822,419, 4-18-89, Cl. 106-27.000.
Peppard, Edward M.: *See—*
  York, John D.; Peppard, Edward M.; and Haugen, Bruce A., 4,835,828, Cl. 29-157.30C.
Peppel, George W., to Lockheed Corporation. Winch compensator. 4,796,862, 1-10-89, Cl. 254-277.000.
Peppel, George W.; and Sullivan, Paul E., to Lockheed Corporation. Rope tension damper. 4,846,446, 7-11-89, Cl. 254-277.000.
Peppel, Michael, to Siemens Aktiengesellschaft. Device for maintaining the cut-off switching state of a thyristor that can be turned off. 4,853,834, 8-1-89, Cl. 363-54.000.
Pepper, David M.; and Craig, Richard R., to Hughes Aircraft Company. Laser with grating feedback unstable resonator. 4,803,696, 2-7-89, Cl. 372-95.000.
Pepper, David M.; and O'Meara, Thomas R., to Hughes Aircraft Company. Variable phase stop for use in interferometers. 4,833,314, 5-23-89, Cl. 250-201.000.
Pepper, Donald F., to Wyle Laboratories. Remotely controllable cable assembly. 4,825,986, 5-2-89, Cl. 191-12.400.
Pepper, Jeffrey A.: *See—*
  Kahn, Gary S.; Pepper, Jeffrey A.; Kepner, Al N.; Richer, William; and Enand, Rajiv, 4,866,635, Cl. 364-513.000.
Pepper, Robert B., deceased; and by Ginsburg, Jayme P., executor. Ultrasonically operated water faucet. 4,869,287, 9-26-89, Cl. 137-391.000.
Pepperidge Farm, Incorporated: *See—*
  Steiner, Ferdinand; and Rieth, Thomas E., 4,818,549, Cl. 426-267.000.
Peppers, James M. Chelation product. 4,830,856, 5-16-89. Cl. 424-449.000.
Peppers, James M. Method and apparatus for making ice blocks. 4,843,827, 7-4-89, Cl. 62-73.000.
Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Nishi, Hisami; and Katsuki, Kazuo, to Nippon Sheet Glass Co., Ltd. Apparatus for preprocessing of character recognition. 4,809,344, 2-28-89, Cl. 382-32.000.
Peppers, Norman A.; Young, James R.; Nishi, Hisami; and Ueno, Hiroshi, to Nippon Sheet Glass Co., Ltd. Page segmentor. 4,817,169, 3-28-89, Cl. 382-9.000.
Peppers, Norman A.; Young, James R.; Nishi, Hisami; Ueno, Hiroshi; and Katsuki, Kazuo, to Nippon Sheet Glass Co., Ltd. Lines and characters separation apparatus. 4,827,529, 5-2-89, Cl. 382-9.000.
Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Tanaka, Shuhei, to Nippon Sheet Glass Co., Ltd. Simultaneous projection feature analysis apparatus. 4,845,766, 7-4-89, Cl. 382-32.000.
Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Katsuki, Kazuo, to Nippon Sheet Glass Co., Ltd. Local feature analysis apparatus. 4,862,511, 8-29-89, Cl. 382-32.000.
Peppiatt, Harry R.; and Thomas, John S., to Paramount Packaging Corporation. Bag with absorbent insert. 4,815,590, 3-28-89, Cl. 206-204.000.
Peppiatt, Harry R., to Paramount Packaging Corporation. Bottom loaded duplex bag having a handle and method of making same. 4,877,336, 10-31-89, Cl. 383-8.000.
Pepping, Franz, to U.S. Philips Corporation. Luminaire for a rod-shaped fluorescent lamp. 4,803,600, 2-7-89, Cl. 362-217.000.
Pepping, Karl-Heinz: *See—*
  Hirchenhain, Arnold; and Pepping, Karl-Heinz, 4,822.009, Cl. 267-140.100.
Pepping, Kenneth E. Rod belt suspension system. 4,828,152, 5-9-89, Cl. 224-200.000.
PepsiCo Inc.: *See—*
  Gregg, John A., 4,857,355, Cl. 426-590.000.
Pepy, Andre: *See—*
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  Arvidsson, Folke L. E.; Carlsson, Per A. E.; Hacksell, Uli A.; Hjorth, John S. M.; Johansson, Anette M.; and Lindberg, Per L., 4,876,284, Cl. 514-657.000.
Pera, John D.: *See—*
  Fenyes, Joseph G.; and Pera, John D., 4,851,532, Cl. 544-357.000.
Perach, Asi. Pressure regulator. 4,838,954. 6-13-89, Cl. 137-625.650.
Perakis, Mike. Siphon dispenser. 4,881,667, 11-21-89, Cl. 222-437.000.
Perala, Reijo, to Oy Helo-Tehtaat. Electric sauna stove. 4,851,646, 7-25-89, Cl. 219-483.000.
Perales, Lorenzo: *See—*
  Welch, Harland A.; Perales, Lorenzo; and Livingston, Don, 4,803,954, Cl. 119-61.000.
Peralta Cancer Research Institute: *See—*
  Hackett, Adeline J.; and Dairkee, Shahnaz H., 4,853,464, Cl. 530-387.000.
  Hancock, Miriam E. C.; Smith, Helene S.; and Hackett, Adeline J., 4,816,395, Cl. 435-29.000.
Peralta, Michael A. Fluidic control assembly for dental tools. 4,806,099, 2-21-89, Cl. 433-28.000.
Perandi, Aado J., to Van Alstine, Frank L.; Perandi, Aado J.; and Umeda, David H. Forward transimpedance amplifier. 4,801,893, 1-31-89, Cl. 330-300.000.
Peranio, Anthony, to Purewater Sciences International, Inc. Simplified method and apparatus for purification. 4,828,692, 5-9-89, Cl. 210-123.000.
Peranio, Anthony, to Purewater Sciences International, Inc. Combined water purifying beverage maker. 4,867,875, 9-19-89, Cl. 210-186.000.
Peranio, Anthony, to Purewater Sciences International, Inc. Filter structure for liquid purification and incorporating detent arrangement. 4,882,052, 11-21-89, Cl. 210-282.000.
Peraud, Jean-Claude: *See—*
  Ettori, Solange; Peraud, Jean-Claude; and Barton, James, 4,824,458, Cl. 65-30.130.
Perazzi, Daniele, to Manifattura Armi Perazzi S.p.A. Snap mechanism for double-barrelled shot-guns with arrangement for selective release of the hammers. 4,805,332, 2-21-89, Cl. 42-42.010.
Perazzi, Edgar. Set of construction elements. 4,884,920, 12-5-89, Cl. 405-284.000.
Perazzo, Luigi: *See—*
  Martini, Francesco; Perazzo. Luigi; and Vietto, Paolo, 4,826,493, Cl. 604-327.000.
  Martini, Francesco; Perazzo, Luigi; and Vietto, Paolo, 4,880,592, Cl. 264-514.000.
Perbet, Jean N.; Hareng, Michel; and Mourey, Bruno, to Thomson-CSF. Device for the modulation of the illuminating light of an electro-optic display screen. 4,824,216, 4-25-89, Cl. 350-346.000.
Perbet, Jean N.: *See—*
  Szydlo, Nicolas; Perbet, Jean N.; and Kasprzak, Rolande, 4,810,637, Cl. 437-15.000.
Perbet, Jean-Noel: *See—*
  Le Pesant, Jean-Pierre; Hareng, Michel; Huignard, Jean-Pierre; Herriau, Jean-Pierre; Mourey, Bruno; and Perbet, Jean-Noel, 4,818,052, Cl. 350-96.150.
Perbos, Jean-Luc: *See—*
  Charlier, Jean; Geenen, Bernard; Laurent, Bernard; Lorsignol, Jean; Malherbe, Andre; and Perbos, Jean-Luc, 4,800,556, Cl. 370-3.000.
Percarpio, Edward P.; and Plucinski, Andrzej J., to Becton, Dickinson and Company. Multiple sample needle assembly with vein indicator. 4,886,072, 12-12-89, Cl. 128-763.000.
Percec, Virgil, to B. F. Goodrich Company, The. Polyarylene polyethers with pendant vinyl and ethynyl groups and process for preparation thereof. 4,806,601, 2-21-89, Cl. 525-391.000.
Percec, Virgil; and Nicholas, Paul P., to B.F. Goodrich Company, The. Poly(dinaphthyl arylene ether) and preparation thereof. 4,806,617, 2-21-89, Cl. 528-86.000.
Percec, Virgil; Nicholas, Paul P.; and Garcia, Dana, to B.F. Goodrich Company, The. Triblock polyarylene polyether with polysiloxane

segment and impact-improved blends thereof. 4,871,816, 10-3-89, Cl. 525-393.000.
Percec, Virgil: *See—*
Kunzler, Jay F.; and Percec, Virgil, 4,833,262, Cl. 556-488.000.
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Perchthaler, Heinz; and Stefou, Stamatios, to Maschinenfabrik Andritz Actiengesellschaft. Oil sludge conditioning equipment. 4,812,234, 3-14-89, Cl. 210-195.300.
Perchthaler, Heinz: *See—*
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Percoco, Stephen L.; and Percoco, Jane M., 4,887,856, Cl. 292-337.000.
Percoco, Stephen L.; and Percoco, Jane M., to Percoco, Ann M.; and Percoco, Jane M. Lock mounting assembly. 4,887,856, 12-19-89, Cl. 292-337.000.
Perdelwitz, Lee E., Jr.; and Hanke, David E., to Weyerhaeuser Company. Infant car seat liner. 4,885,200, 12-5-89, Cl. 428-136.000.
Perdelwitz, Lee E., Jr; Young, Robert H.; Iff, Ron H.; Hanke, David E.; Allison, Kathleen S.; Rahkonen, Raimo K.; and Neogi, Amar N., to Weyerhaeuser Company. Thermoplastic material containing absorbent pad or other article. 4,886,697, 12-12-89, Cl. 428-192.000.
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Perdue, Karen J.; and Zaepfel, Patricia S. Golf bag accessory. 4,869,365, 9-26-89, Cl. 206-315.500.
Perdue, Kevin D. Apparatus and procedure for blind alignment of fasteners extended through transverse holes in an orthopedic locking nail. 4,848,327, 7-18-89, Cl. 128-92.00R.
Perdue, Robert W.: *See—*
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Perdue, Thad A.; and Johnson, Bobby G., to Robbins Tire & Rubber Co., Inc. Tire retreading equipment. 4,828,470, 5-9-89, Cl. 425-23.000.
Perdue, Thad A., to Robbins Tire and Rubber Company, Inc. Method of making a tire retreading envelope. 4,836,877, 6-6-89, Cl. 156-244.130.
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Perego, Gianluca, to Peg Perego Pines SpA. Child's folding pushchair with safety device for locking the pushchair in the opened position. 4,819,958, 4-11-89, Cl. 280-644.000.
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Perego, Luciano. Cassette winding apparatus and method for operating. 4,836,464, 6-6-89, Cl. 242-56.00R.
Peregrim, Theadore J.; Okurowski, Frank A.; and Mangiapane, Rosario, to Raytheon Company. Method for stabilizing an electronically steered monopulse antenna. 4,837,577, 6-6-89, Cl. 342-80.000.
Peregrim, Theodore J., to Raytheon Company. Aperture radar. 4,881,079, 11-14-89, Cl. 342-194.000.
Pereira, Anthony S. Automotive adjustable head & neck rest. 4,796,953, 1-10-89, Cl. 297-400.000.
Pereira, Carmo J.; Kubsh, Joseph E.; and Hegedus, Louis, to W. R. Grace & Co.-Conn. Process for treating automotive exhaust gases using monolith washcoat having optimum pore structure. 4,859,433, 8-22-89, Cl. 423-212.000.
Pereira, John C.: *See—*
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Pereira, Joseph A. T., to A. W. Plume Limited. Method and apparatus for the low-pressure die-casting of metals. 4,860,820, 8-29-89, Cl. 164-457.000.
Pereira, Mark L. Pick for stringed musical instruments. 4,879,940, 11-14-89, Cl. 84-322.000.
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Perentin, Alessandro, to Easy Italy s.d.f. di Perentin Alessandro & C. Suction-cup with a pin put in, fitted to prop up some points of support for clothes on transparent or not transparent panels, particularly suitable to prepare shop-windows, shows, etc. 4,813,640, 3-21-89, Cl. 248-205.800.
Perentin, Alessandro, to Easy Italy s.d.f. di Perentin Alessandro & C. Suction-cup with a clutch flexible pipe, fitted to prop up some points of support for clothes on transparent or not transparent panels, particularly suitable to prepare shop-windows, shows, etc. 4,844,395, 7-4-89, Cl. 248-205.800.
Perepechin, Igor Y.: *See—*
Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.
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Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., to Nauchno-Proizvodstvennoe Obiedinenie Po Tekhnologii Mashinostroenia Dlya Zhivotnovodstva I Kormoproizvodstva "RostNIITM". Work-performing member for farm machines. 4,853,047, 8-1-89, Cl. 148-905.000.
Perevuznik, Josef; Spinnler, Fritz; and Weber, Jurg, to BBC Brown Boveri AG. Rotary spiral piston displacement machine having a silicon rubber biased seal. 4,883,413, 11-28-89, Cl. 418-55.000.
Perevuznik, Josef: *See—*
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Pereyda, Robert, to Autek Systems Corporation. Container for electrical apparatus. 4,855,535, 8-8-89, Cl. 174-52.100.
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Perez, Barbara. Unitary sleepwear. 4,811,429, 3-14-89, Cl. 2-83.000.
Perez, Carlos L.: *See—*
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Perez, Gerard; and Vieilly, Rene, to Rhone-Poulenc Fibres. Simplified process for obtaining polyester yarns at high speed. 4,818,456, 4-4-89, Cl. 264-103.000.
Perez, Jorge G. Riveting head for stapling apparatus. 4,864,840, 9-12-89, Cl. 72-391.000.
Perez, Jose L. J., to Jesmar S.A. Doll with means for producing soap bubbles and having an anti-spill container. 4,840,597, 6-20-89, Cl. 446-16.000.
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Perez, Keith J., to Hypermotion, Inc. Method and apparatus for providing mechanical amplification. 4,825,135, 4-25-89, Cl. 318-568.170.
Perez, Leon A.; Hartman, Marvis E.; and Suss, Naomi R., to PPG Industries, Inc. Method for preparing multi-layered coated articles and the coated articles prepared by the method. 4,822,685, 4-18-89, Cl. 428-423.300.

Perez, Lucas R., to General Motors Corporation. Unison ring mounting arrangement. 4,826,399, 5-2-89, Cl. 415-150.000.
Perez, Roberto. Trauma stretcher. 4,873,732, 10-17-89, Cl. 5-81.00B.
Perez-Soler, Roman; Priebe, Waldemar; and Lopez-Berestein, Gabriel, to Board of Regents, The University of Texas System. Liposome compositions of anthracycline derivatives. 4,863,739, 9-5-89, Cl. 424-450.000.
Perfect, Alan J., to Shelcore, Inc. Method of permanently attaching a flexible plastic to a rigid plastic. 4,863,545, 9-5-89, Cl. 156-294.000.
Perfect Products, Inc.: *See—*
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Seyler, Peter G., 4,830,348, Cl. 267-166.000.
Seyler, Peter G., 4,889,327, Cl. 267-168.000.
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Mor, Yeshayahu; and Sandman, Leonardo, 4,884,231, Cl. 364-736.000.
Sandman, Leonardo; Mor, Yeshayahu; and Schatzberger Yeshayahu, 4,811,211, Cl. 364-200.000.
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Pergande, Albert N., to Martin Marietta Corporation. Suspended stripline rat race mixer with simplified I. F. extraction. 4,811,426, 3-7-89, Cl. 455-327.000.
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Periard, Jacques; and Wissler, Mathis, to Lonza Ltd. Cathode coating dispersion for batteries. 4,810,600, 3-7-89, Cl. 429-224.000.
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Perilhon, Alain F., to Valeo. Device limiting the power supply current for a direct current motor equipped with such a device. 4,814,675, 3-21-89, Cl. 318-254.000.
Perillo, Andrea: *See—*
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Perin, Francis; and Prouveur, Herve, to Saint-Gobain Vitrage. Process and apparatus for heating glass sheets. 4,824,464, 4-25-89, Cl. 65-106.000.
Perin, Francis: *See—*
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Perine, Michael C.; and Softley, Eric J., to Beam Laser Systems, Inc. Multiple input/output video switch for commerical insertion system. 4,814,883, 3-21-89, Cl. 358-181.000.
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Perini, Richard; and Costigan, Terry, to Rilin Investments Pty. Limited. Panel jointing system and method of joining panels. 4,805,287, 2-21-89, Cl. 29-407.000.
Perini, Richard L.; and O'Dea, James O., to Accu-Weigh Systems, Inc. Vehicle mounted load indicator system. 4,832,141, 5-23-89, Cl. 177-141.000.
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Periot, Jean-Marie: *See—*
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Periou, Pierre, to Rockwell-CIM. Linear device for rapidly adjusting and immobilizing a movable part relative to a fixed part. 4,799,734, 1-24-89, Cl. 297-361.000.
Periou, Pierre, to Rockwell-CIM. Assembly of a door latch and anti-theft and anti-attack deactivating device for said latch, and latch which is part of said assembly. 4,802,350, 2-7-89, Cl. 70-264.000.
Periou, Pierre; and Boilley, Michel, to Rockwell-CIM. Cyclic electromechanical program control for controlling elements, such as for example openable roofs of vehicles. 4,854,183, 8-8-89, Cl. 74-113.000.
Periou, Pierre, to Rockwell-CIM. Screw jack safe against overload for a movable element such as a seat structure. 4,872,903, 10-10-89, Cl. 74-89.150.
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Peris, James P.: *See—*
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Periso SA Elektro-Industrie: *See—*
Scherrer, Fernand, 4,880,448, Cl. 55-103.000.
Peritz, Lyonel: *See—*
Grollier, Jean-Francois; Peritz, Lyonel; and Bouix, Herve F., 4,823,985, Cl. 222-1.000.
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Barnard, Thomas W., 4,820,048, Cl. 356-328.000.
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deMey, Charles F., II, 4,883,356, Cl. 356-326.000.
Dorfman, Mitchell R.; Rangaswamy, Subramaniam; and Reardon, Joseph D., 4,822,415, Cl. 75-251.000.
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Dunavan, David S.; Abreu, Rene; Messelt, Stephen; and Siebert, Edward, 4,857,721, Cl. 250-203.00R.
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Fuimefreddo, Anthony J., 4,853,513, Cl. 219-75.140.
Gerlach, Robert L., 4,806,754, Cl. 250-305.000.
Gerlach, Robert L., 4,810,880, Cl. 250-305.000.
Gerlach, Robert L., 4,882,487, Cl. 250-306.000.
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Hurrell, Ronald A., 4,837,441, Cl. 250-382.000.
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Norem, Stanley D.; Ferranti, Richard T.; and Culmo, Robert F., 4,795,614, Cl. 422-94.000.

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Perkins, Benjamin F., Jr., to Technical Equipment Associates of Florida, Inc. Rescue apparatus. 4,799,906, 1-24-89, Cl. 441-85.000.
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Perkins, David J. B., to Apsley Metals Limited. Cord guide device. 4,769,773, 9-26-89, Cl. 156-397.000.
Perkins, David J. B., to Apsley Metals Limited. Apparatus for laying a continuous strip of elastomeric material onto a surface. 4,871,409, 10-3-89, Cl. 156-110.100.
Perkins, Donald H.; Deaton, Thomas M.; and Sizer, Phillip S., to Otis Engineering Corporation. Electric surface controlled subsurface valve system. 4,886,114, 12-12-89, Cl. 166-65.100.
Perkins, Donald H.: *See*—
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Perkins, Donald W.: *See*—
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Perkins, E. James, to Chrysler Motors Corporation. Hydraulic lock for resistance welders. 4,812,612, 3-14-89, Cl. 219-89.000.
Perkins, Eugene W. Apparatus for frictionally heating liquid. 4,798,176, 1-17-89, Cl. 122-26.000.
Perkins, Geoffrey W., to Motorola, Inc. Auto sync polarity control circuit for use with monitor. 4,800,429, 1-24-89, Cl. 358-148.000.
Perkins, Geoffrey W., to Motorola Inc. Frequency tracking system. 4,876,518, 10-24-89, Cl. 331-1.00A.
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Kuban, Daniel P.; and Perkins, Gerald S., 4,883,400, Cl. 414-2.000.
Perkins, Gilbert R.: *See*—
Heckaman, Douglas E.; Perkins, Gilbert R.; and Higman, Roger H., 4,890,195, Cl. 361-386.000.
Perkins, James E., III: *See*—
Bierman, Laurence W.; Lopez, Michael L.; and Perkins, James E., III, 4,877,594, Cl. 423-321.00S.
Perkins, James M.: *See*—
Atlas, George N.; Donnally, Leroy C.; Urban, Donald P.; Perkins, James M.; and Wilson, Timothy C., 4,874,308, Cl. 425-544.000.
Perkins, Jimmie G.; and Grim, James W., to McCord Winn Textron Inc. Reversible pump assembly. 4,824,332, 4-25-89, Cl. 417-315.000.
Perkins, John D., to Isix, Inc. Interleaved video system, method and apparatus. 4,847,690, 7-11-89, Cl. 358-143.000.
Perkins, Jonathan H.: *See*—
Honigs, David E.; Perkins, Jonathan H.; and Tenge, Bradley J., 4,847,066, Cl. 424-7.100.
Perkins, Joseph L.: *See*—
Zimmerman, Thomas H.; Pop, Julian J.; and Perkins, Joseph L., 4,860,581, Cl. 73-155.000.
Perkins, Leland M.; Dodds, Ralph L.; Rubenstein, David H.; and Nicholson, Roger D., to Rubenstein, David H.; and Nicholson, Rodger D. Limited play tape cassette system. 4,802,048, 1-31-89, Cl. 360-132.000.
Perkins, Leland M.: *See*—
Oliva, Richard A.; Perkins, Leland M.; and Westrick, Charles W., 4,822,278, Cl. 433-91.000.
Perkins, Merlyn H.: *See*—
Davis, Donald E.; Doran, Samuel K.; Perkins, Merlyn H.; and Pfeiffer, Hans C., 4,818,885, Cl. 250-492.200.
Perkins, Patrick D.: *See*—
Chang, Clarence D.; and Perkins, Patrick D., 4,855,431, Cl. 544-410.000.
Perkins, Raymond T.: *See*—
Woodbury, Richard C.; Perkins, Raymond T.; and Thorne, James M., 4,885,055, Cl. 156-647.000.
Perkins, Robert L., to General Motors Corporation. Self adjusting seal for high pressure supply line. 4,796,895, 1-10-89, Cl. 277-4.000.
Perkins, Rodney C.; and Carlson, Jason L., to Resound Corporation. Method for treating hearing deficiencies. 4,817,609, 4-4-89, Cl. 128-420.600.
Perkins, Roger: *See*—
Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,811,478, Cl. 29-613.000.
Maier, Gunther; Mosele, Joseph; and Perkins, Roger, 4,816,959, Cl. 361-127.000.
Perkins, Roger J.; and Smith, Murray S., Jr., to General Electric Company. Abradable article, and powder and method for making. 4,842,953, 6-27-89, Cl. 428-553.000.
Perkins, Thomas A. Lure tangle free floating tackle box. 4,829,699, 5-16-89, Cl. 43-57.100.
Perkins, Thomas K., to Atlantic Richfield Company. Method for completing wells in unconsolidated formations. 4,830,110, 5-16-89, Cl. 166-278.000.
Perkins, Warren E. Method and means for dispensing two respirating gases by effecting a known displacement. 4,832,014, 5-23-89, Cl. 128-203.120.
Perkins, Warren E. Method and means for dispensing respirating gases by effecting a known displacement. 4,873,971, 10-17-89, Cl. 128-201.230.
Perkinson, Robert H.; and Reuter, Charles E., to United Technologies Corporation. Variable pressure regulating valve. 4,805,658, 2-21-89, Cl. 137-81.100.
Perkitny, Jerzy. Moving surface magnetic game. 4,822,044, 4-18-89, Cl. 273-109.000.
Perkitny, Jerzy, to Those Characters From Cleveland, Inc. Toy vehicle with rotatable power pack. 4,824,413, 4-25-89, Cl. 446-94.000.
Perko, Jack E.: *See*—
Kiekhaefer, John H.; Perko, Jack E.; Hetzer, Joseph S.; and Harris, Frank W., 4,812,343, Cl. 428-35.600.
Perko, John. Hand exercise device. 4,852,871, 8-1-89, Cl. 272-67.000.
Perko, Louis S., to General Dynamics Corporation/Pomona Division. Pressure transfer plate assembly for a heat bonding apparatus. 4,875,966, 10-24-89, Cl. 156-580.000.
Perkola, Markku; and Seppa, Ilkka. Method and apparatus for separating solids from a solids-gas mixture. 4,877,424, 10-31-89, Cl. 55-52.000.
Perkowski, Thomas J. Storage cases for information recording devices. 4,863,026, 9-5-89, Cl. 206-387.000.
Perks, Malcolm, to Rolls-Royce plc. Helicopter rotor and engine control. 4,807,129, 2-21-89, Cl. 364-424.010.
Perks, Malcolm P.: *See*—
Richards, Paul N.; Douglas, Michael C.; Snowden, David C.; Proctor, Kenneth W.; and Perks, Malcolm P., 4,833,405, Cl. 324-208.000.
Perl, Avihai: *See*—
Gressel, Jonathan; Aviv, Dvora; and Perl, Avihai, 4,795,705, Cl. 435-172.200.
Perlberg, William; and Skolnik, Albert B., to Hartz Mountain Corporation. Package device and system. 4,823,960, 4-25-89, Cl. 206-587.000.
Perlegos, Gust; and Wu, Tsung-Ching, to Seeq Technology, Inc. MOS floating gate memory cell containing tunneling diffusion region in contact with drain and extending under edges of field oxide. 4,822,750, 4-18-89, Cl. 437-052.000.
Perler, Robert. Hygienic toothbrush holder. 4,854,457, 8-8-89, Cl. 211-65.000.
Perler, Robert. Single hand operable dental composite package. 4,863,072, 9-5-89, Cl. 222-390.000.
Perlick Corporation: *See*—
Nezworski, James E., 4,805,649, Cl. 134-57.00R.
Nezworski, James E., 4,825,887, Cl. 134-183.000.
Nezworski, James E., 4,832,064, Cl. 134-44.000.
Nezworski, James E., 4,832,752, Cl. 134-22.120.
Perlin, Alfred R. Surgical clip. 4,815,466, 3-28-89, Cl. 128-325.000.
Perlman, Daniel, to Brandeis University. Methods for isolating mutant microoganisms using microcapsules coated with indicator material. 4,801,529, 1-31-89, Cl. 435-5.000.
Perlman, Daniel, to Brandeis University. Method of and passive apparatus for detecting radon. 4,812,648, 3-14-89, Cl. 250-255.000.
Perlman, Daniel. Hat clapper. 4,832,647, 5-23-89, Cl. 446-27.000.
Perlman, Daniel, to Brandeis University. Radiation shield. 4,851,702, 7-25-89, Cl. 250-507.100.
Perlman, Daniel, to Brandeis University. Plastic pipette canister. 4,859,423, 8-22-89, Cl. 422-102.000.
Perlman, Daniel, to Brandeis University. Dilution pipette device. 4,877,585, 10-31-89, Cl. 422-100.000.
Perlman, Daniel, to Brandeis University. Hydrophobic membrane for drying gel matrices. 4,883,597, 11-28-89, Cl. 210-640.000.
Perlman, Daniel, to Brandeis University. Microtube vortexer adapter and method of its use. 4,883,644, 11-28-89, Cl. 422-104.000.
Perlman, Kato L.: *See*—
DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847,012, Cl. 260-397.200.
DeLuca, Hector F.; Schnoes, Heinrich K., Perlman, Kato L.; and Kutner, Andrzej, 4,851,401, Cl. 514-167.000.
Perlman, Marvin K.; and Perlman, Richard S. Hood ornament theft alarm. 4,882,563, 11-21-89, Cl. 340-426.000.
Perlman, Michael E.; and Evans, Susan A., to Becton, Dickinson and Company. Signal enhancement in immunoassay by modulation of chemical catalysis. 4,810,631, 3-7-89, Cl. 435-7.000.
Perlman, Michael E.: *See*—
Bardos, Thomas J.; Perlman, Michael E.; and MacDiarmid, Joan E., 4,886,793, Cl. 514-83.000.
Perlman, Radia, to Digital Equipment Corporation. Method of multicast message distribution. 4,864,559, 9-5-89, Cl. 370-60.000.

Perlman, Richard S.: *See*—
Perlman, Marvin K.; and Perlman, Richard S., 4,882,563, Cl. 340-426.000.
Perlman, Stephen G., to Apple Computer, Inc. Video display apparatus. 4,868,557, 9-19-89, Cl. 340-799.000.
Perlmuter, Nikolai: *See*—
Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, 4,854,240, Cl. 102-476.000.
Perlmutter, Robert J., to Resonex, Inc. Image restoration process for magnetic resonance imaging resonance imaging. 4,876,509, 10-24-89, Cl. 324-309.000.
Perloff, David S.: *See*—
Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., 4,805,089, Cl. 364-188.000.
Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Mallory, Chester L., 4,843,538, Cl. 364-188.000.
Lane, Leslie A.; Lybeck, Lynn V.; Perloff, David S.; and Kumagi, Shoji, 4,873,623, Cl. 364-188.000.
Perloff, Murray. Redi pak pressure press and method. 4,835,945, 6-6-89, Cl. 53-485.000.
Perlov, Ilya: *See*—
Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan 4,872,947, Cl. 156-643.000.
Perlsweig, Leon. Means for mounting a mini-flashlight on a writing instrument. 4,799,132, 1-17-89, Cl. 362-118.000.
Perma Power Electronics, Inc.: *See*—
Goldstein, Richard, 4,808,495, Cl. 429-175.000.
Schornack, Louis W., 4,890,002, Cl. 307-66.000.
Schornack, Louis W., 4,890,005, Cl. 307-87.000.
Perma Pure Products, Inc.: *See*—
Kertzman, Jack, 4,808,201, Cl. 55-158.000.
Perma Tubes Ltd.: *See*—
Goodwin, Paul, 4,876,054, Cl. 264-333.000.
Permaban Southeast, Inc.: *See*—
Ljungkvist, Stig-Ake; and Johansson, Lennart, 4,884,384, Cl. 52-741.000.
Permaflex, S.p.A.: *See*—
Dordi, GianMaria; and Fiorini, Gianfranco, 4,794,873, Cl. 112-2.100.
Dordi, GianMaria; and Fiorini, Gianfranco, 4,821,656, Cl. 112-2.100.
Perman, William H., to Wisconsin Alumni Research Foundation. Short echo NMR imaging of sodium. 4,803,432, 2-7-89, Cl. 324-309.000.
Permanent Label Corporation: *See*—
Meador, Neil A., 4,889,050, Cl. 101-38.100.
Permark Corp.: *See*—
Sarath, Alan; and Mawhirt, James A., 4,798,582, Cl. 604-47.000.
Permclip Products Corporation: *See*—
Corey, Thomas J., 4,869,613, Cl. 402-7.000.
Permea, Inc.: *See*—
Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handermann, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,871,494, Cl. 264-41.000.
Kesting, Robert E.; Fritzsche, Alfred K.; Murphy, Milton K.; Handerman, Alan C.; Cruse, Clint A.; and Malon, Raymond F., 4,880,441, Cl. 55-16.000.
Permelec Electrode, Ltd.: *See*—
Shimamune, Takayuki; and Hosonuma, Masashi, 4,818,572, Cl. 427-327.000.
Shimamune, Takayuki; and Hosonuma, Masashi, 4,847,163, Cl. 428-469.000.
Shimamune, Takayuki; Hosonuma, Masashi; and Matsumoto, Yukiei, 4,882,196, Cl. 427-2.000.
Shimamune, Takayuki; and Hosonuma, Masashi, 4,889,685, Cl. 419-9.000.
Ueda, Minoru; Watanabe, Akio; and Shimamune, Takayuki, 4,822,459, Cl. 204-38.100.
Permelec S.p.A.: *See*—
Traini, Carlo; Leone, Tomaso; and Schira, Renato, 4,828,653, Cl. 204-23.000.
Permenter, L. Michael; and Beckham, Richard W., to Peachtree Medical, Inc. Syringe sealing device and method. 4,795,443, 1-3-89, Cl. 604-198.000.
Permian Research Corporation: *See*—
Hahn, Granville J.; Rutledge, Raleigh N.; and Rutledge, Durward, 4,813,863, Cl. 425-205.000.
Hahn, Granville J., 4,839,969, Cl. 34-169.000.
Hahn, Granville J.; and Flud, Sammy K., 4,887,907, Cl. 366-99.000.
Johnson, Marion; Hahn, Granville J.; and Ramos, Ramiro V., 4,866,100, Cl. 521-91.000.
Johnson, Marion; and Hahn, Granville J., 4,872,573, Cl. 215-347.000.
Johnson, Marion; Hahn, Granville J.; and Ramoos, Ramiro V., 4,879,138, Cl. 428-218.000.
Permuy, Alfred: *See*—
Pierre, Andre; Batllteu, Francois; Brosselard, Jean-Pierre; Permuy, Alfred; Pirot, Francois-Xavier; and Spirkovitch, Serge, 4,873,868, Cl. 73-517.00R.
Perna, Fred P.; and Peterson, Stuart R., to Perna, Fred P. Writing instrument for electronic counting and gravity switch reset. 4,833,697, 5-23-89, Cl. 377-15.000.
Perna, Nicolas A. Marker holding device for an ice scribe. 4,794,699, 1-3-89, Cl. 33-27.030.
Perne, Raymond; and Odet, Philippe, to Astra Plastique. Dispensing stopper with rotating cap for pasty products. 4,805,807, 2-21-89, Cl. 222-153.000.
Perneczky, George C. Apparatus for cleaning and polishing roll assemblies. 4,841,675, 6-27-89, Cl. 51-67.000.
Perneczky, George C. Low profile roll cleaning apparatus and self aligning bearing used therein. 4,887,329, 12-19-89, Cl. 15-256.530.
Perner, Johannes: *See*—
Baur, Richard; Fikentscher, Rolf; Oftring, Alfred; Richter, Felix; Trieselt, Wolfgang; Diessel, Paul; Winkler, Ekhard; and Perner, Johannes, 4,816,553, Cl. 528-245.000.
Perner, Thomas: *See*—
Schwerzel, Thomas; Osterloh, Rolf; Schupp, Eberhard; Perner, Thomas; and Ahlers, Klaas, 4,871,808, Cl. 525-113.000.
Perng, Yeong-Ju: *See*—
Lin, Trong-Goang; Ho, Ling-Wen; Ko, An-Nan; and Perng, Yeong-Ju, 4,876,398, Cl. 568-804.000.
Pernici, Sergio; Nicollini, Germano; and Senderowicz, Daniel, to SGS-Thomson Microelectronics S.p.A. CMOS power operational amplifier. 4,829,266, 5-9-89, Cl. 330-253.000.
Pernici, Sergio: *See*—
Confalonieri, Pierangelo; Pernici, Sergio; and Nicollini, Germano, 4,883,993, Cl. 307-542.100.
Pernick, Benjamin J., to Grumman Aerospace Corporation. In-line holographic lens arrangement. 4,810,047, 3-7-89, Cl. 350-3.720.
Pernick, Jeffrey: *See*—
Fenoglio, Charles; Kljucaricek, Peter; Pernick, Jeffrey; and Schaedel, Fred C., 4,879,018, Cl. 204-56.100.
Pernick, Jeffrey R.; and Tourtellotte, Frederick, to International Hardcoat, Inc. Method and capacitive discharge apparatus for aluminum anodizing. 4,839,002, 6-13-89, Cl. 204-58.000.
Perno, Salvatore G.: *See*—
Furbee, Avery D.; Perno, Salvatore G.; and Burke, James E., 4,799,248, Cl. 378-114.000.
Pernot, Daniel: *See*—
Muraro, Pierre; and Pernot, Daniel, 4,884,675, Cl. 198-358.000.
Pernyeszi, Joseph: *See*—
Walters, Michael D.; Pernyeszi, Joseph; and Petrilla, John F., 4,864,126, Cl. 250-551.000.
Pero, Stephen M.: *See*—
Kaplan, Jonathan I.; and Pero, Stephen M., 4,799,077, Cl. 354-400.000.
Perono, Jackie: *See*—
Audry, Richard; Krempf, Gerard; and Perono, Jackie, 4,883,859, Cl. 528-484.000.
Perot, Marc: *See*—
Bigo, Louis; and Perot, Marc, 4,848,933, Cl. 384-129.000.
Perotti, Robert W. Method for sighting engine components. 4,850,878, 7-25-89, Cl. 434-374.000.
Perovetz, Lawrence M.; Pickthall, Jack, deceased; and by Pickthall, Terence, executor, to Lamerie, N.V. Solutions and creams for silver plating and polishing. 4,798,626, 1-17-89, Cl. 106-123.000.
Perovetz, Lawrence M.; Pickthall, Jack, deceased; and by Pickthall, Terence, executor, to Lamerie, N.V. Gold plating solutions, creams and baths. 4,832,743, 5-23-89, Cl. 106-1.230.
Peroxid-Chemie GmbH: *See*—
Edl, Wolfgang, and Sienel, Gunter R., 4,882,442, Cl. 549-525.000.
Hagel, Eberhard, 4,864,064, Cl. 568-558.000.
Rossberger, Erwin; Weinmaier, Josef; and Ailler, Nikolaus, 4,830,801, Cl. 264-102.000.
Wabner, Dietrich, 4,834,852, Cl. 204-131.000.
Peroxydent Group: *See*—
Rudy, Jerome B.; Denholtz, Melvin; Denholtz, Jeffrey R.; and Bohm, Peter D., 4,837,008, Cl. 424-53.000.
Perrault, Frederick; and Perrault, Raymond E. Low tonnage high quality thread stamping. 4,860,570, 8-29-89, Cl. 72-379.000.
Perrault, Raymond E.: *See*—
Perrault, Frederick; and Perrault, Raymond F., 4,860,570, Cl. 72-379.000.
Perrault, Ronald. Skeleton device. 4,872,268, 10-10-89, Cl. 33-512.000.
Perreault, David A.: *See*—
Sieber, Richard W.; Perreault, David A.; and Paige, Arnold, 4,807,258, Cl. 375-108.000.
Perreaut, Jean-Marc: *See*—
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Perregaard, Jens K., to H. Lundbeck A/S. Acetic acid ester of haloperidol. 4,855,307, 8-8-89, Cl. 514-327.000.
Perregaard, Jens K.: *See*—
Boegesoe, Klaus P.; and Perregaard, Jens K., 4,847,254, Cl. 514-256.000.
Perregaux, Alain E.: *See*—
Jedlicka, Josef E.; Page, Kimberly R.; Perregaux, Alain E.; and Wilczak, Fred F., Jr., 4,814,296, Cl. 437-226.000.
Narang, Ram S.; Perregaux, Alain E.; and Faucz, Eugene C., 4,837,097, Cl. 430-5.000.
Stephany, Joseph F.; Lakatos, Andras I.; Hull, Virgil J.; and Perregaux, Alain E., 4,830,468, Cl. 350-336.000.
Perrella, Guido; and Thompson, William E. Miniature die-casting machine. 4,832,110, 5-23-89, Cl. 164-316.000.
Perrella, Guido, to Graham Fiber Glass Limited. Machine and process for sinuously folding a batt of non-woven fibrous material. 4,840,013, 6-20-89, Cl. 53-429.000.
Perren, Benno. Apparatus for continuously measuring the turbidity of a fluid. 4,874,243, 10-17-89, Cl. 356-342.000.

- Perren, Stephan M.: *See—*
  - Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, 4,803,976, Cl. 128-92.0VD.
- Perret, Andre-Etienne: *See—*
  - Rohde, Ottmar; Perret, Andre-Etienne; and Pfeifer, Josef, 4,851,506, Cl. 528-353.000.
- Perret, Michel: *See—*
  - Thuries, Edmond; Perret, Michel; and Masson, Jean-Paul, 4,841,788, Cl. 74-2.000.
  - Thuries, Edmond; Dufournet, Denis; and Perret, Michel, 4,880,946, Cl. 200-148.00A.
- Perret, Rene; and Rouget de Gourcez, Etienne, to Alsthom; and Vibrachoc. Wall covering for absorbing sound waves in a liquid medium. 4,817,757, 4-4-89, Cl. 181-288.000.
- Perrette, Claude: *See—*
  - D'Hoogue, Martial; Perrette, Claude; and Goffinet, Pierre, 4,875,600, Cl. 222-52.000.
- Perrey, Hermann: *See—*
  - Henning, Wolfgang; Langenthal, Wolfram V.; Perrey, Hermann; and Striegler, Hellmut, 4,888,379, Cl. 524-500.000.
  - Hildenbrand, Karlheinz; von Dohren, Hans-Hagen; Perrey, Hermann; Frank, Georg; and Dhein, Rolf, 4,824,639, Cl. 422-56.000.
  - Hildenbrand, Karlheinz; Von Dohren, Hans-Hagen, Perrey, Hermann; and Wehling, Klaus, 4,824,640, Cl. 422-56.000.
  - Scholl, Thomas; Perrey, Hermann; Augustin, Thomas; and Wegner, Christian 4,870,151, Cl. 528-49.000.
  - Sirinyan, Kirkor, Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.
- Perri, Joseph A., to Insul Company, Inc. Device for introducing stirring gas into molten metal in metered amount. 4,836,433, 6-6-89, Cl. 266-266.000.
- Perrichon, Francois, to Societe Perrichon. High-efficiency electric cooker intended more particularly for restaurants or canteens. 4,849,609, 7-18-89, Cl. 219-449.000.
- Perricone, Alphonse C.; Clapper, Dennis K.; and Enright, Dorothy P., to Baker Hughes Incorporated. Modified non-polluting liquid phase shale swelling inhibition drilling fluid and method of using same. 4,830,765, 5-16-89, Cl. 252-8.510.
- Perrier, Jean-Jacques: *See—*
  - Morice, Jean; and Perrier, Jean-Jacques, 4,824,480, Cl. 75-68.00R.
- Perrin, Aime: *See—*
  - Clerc, Jean-Frederic; Deutsch, Jean-Claude; and Perrin, Aime, 4,813,770, Cl. 350-347.00E.
- Perrin, Alain D., to Cartier International B.V. Device for the adjustable fastening of a strap, especially of a wristwatch. 4,862,562, 9-5-89, Cl. 24-71.00J.
- Perrin, David: *See—*
  - Hofnung, Maurice; Quillardet, Philippe; Perrin, David; Huisman, Olivier; and D'Ari, Richard, 4,849,335, Cl. 435-6.000.
- Perrin, Jack L.: *See—*
  - Gains, Oliver B.; Perrin, Jack L.; and Tucker, Council A., 4,807,824, Cl. 242-55.300.
- Perrin, Jacques; and Sinaud, Pascal, to Thomson-CSF. Method and device for the display of targets and/or target positions using data acquisition means of a weapons system. 4,843,459, 6-27-89, Cl. 358-93.000.
- Perrin, Jean-Claude: *See—*
  - Loy, Fernand R.; Perrin, Jean-Claude; and Rollin, Joel, 4,840,465, Cl. 350-421.000.
- Perrin, Jerry, to Union Carbide Corporation. Hollow fiber multimembrane cells and permeators. 4,880,440, 11-14-89, Cl. 55-16.000.
- Perrin, Margy L. Protective cover devices for upholstered furniture. 4,838,610, 6-13-89, Cl. 297-225.000.
- Perrine, Paul M. Slicing apparatus and process for producing a cooked, sliced meat product. 4,817,479, 4-4-89, Cl. 83-169.000.
- Perrine, Paul M. Method of producing a sliced meat product. 4,839,183, 6-13-89, Cl. 426-274.000.
- Perrine, Paul M. Process for producing a cooked, sliced meat product. 4,867,994, 9-19-89, Cl. 426-232.000.
- Perrine, Susan, to Children's Hospital Medical Center of Northern California. Method for augmenting fetal hemoglobin. 4,822,821, 4-18-89, Cl. 514-557.000.
- Perrinet, Paul M.: *See—*
  - Walton, Frank A.; and Perrinet, Paul M., 4,809,731, Cl. 137-99.000.
- Perrino, Gary F.: *See—*
  - Perrino, Joseph A.; and Perrino, Gary F., 4,850,108, Cl. 30-90.400.
- Perrino, Joseph A.; and Perrino, Gary F., to Micro Electronics, Inc. Stripping device. 4,850,108, 7-25-89, Cl. 30-90.400.
- Perrior, Trevor R.; and Tapolczay, David J., to Imperial Chemical Industries PLC. Phenyl pyridones and insectidal use thereof. 4,866,078, 9-12-89, Cl. 514-345.000.
- Perrissin, Gerard; Marzocca, Joseph; Marsala, Lucien; and Robert, Jean-Paul, to Merlin Gerin. Multiphase gas expansion circuit breaker for gas-insulated metalclad cell. 4,816,624, 3-28-89, Cl. 200-148.00B.
- Perritaz, Francis: *See—*
  - Kramer, Andreas; and Perritaz, Francis, 4,885,346, Cl. 525-426.000.
- Perrochat, Jean-Michel: *See—*
  - Arnaud, Alain; Perrochat, Jean-Michel; and Philippe, Joseph, 4,858,736, Cl. 188-322.140.
  - Joseph, Philippe; and Perrochat, Jean-Michel, 4,795,008, Cl. 188-280.000.
  - Joseph, Philippe; and Perrochat, Jean Michel, 4,875,706, Cl. 280-708.000.
  - Philippe, Joseph; and Perrochat, Jean-Michel, 4,859,006, Cl. 305-10.000.
- Perrodeau, Eric: *See—*
  - Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., 4,817,375, Cl. 60-39.281.
  - Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., 4,817,376, Cl. 60-39.281.
- Perron, Gerard M.: *See—*
  - Cook, Lacy G.; Perron, Gerard M.; Zellers, Brian K.; and Cohn, Brian D., 4,826,287, Cl. 350-174.000.
- Perron, Joseph. Air furnace system. 4,825,847, 5-2-89, Cl. 126-113.000.
- Perron, Maurice: *See—*
  - Gravisse, Philippe; Duchateau, Jacques; and Perron, Maurice, 4,874,188, Cl. 283-89.000.
- Perron, Yvon: *See—*
  - Gilbert, Richard; and Perron, Yvon, 4,828,435, Cl. 406-92.000.
- Perrone, Carlos J. Aquatic vehicle. 4,842,561, 6-27-89, Cl. 440-100.000.
- Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., to Farmitalia Carlo Erba S.p.A. Penem derivatives. 4,837,215, 6-6-89, Cl. 514-192.000.
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- Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Della Bruna, Costantino; and Franceschi, Giovanni, to Farmitalia Carlo Erba S.p.A. Penem derivatives. 4,886,793, 12-12-89, Cl. 514-192.000.
- Perroni, Enrico: *See—*
  - Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perroni, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, 4,814,970, Cl. 364-200.000.
- Perrot, Jean-Claude; and Taillebois, Jacques, to M.C.B. Optical code reading device. 4,835,382, 5-30-89, Cl. 250-231.0SE.
- Perrotta, Anthony J.; Grubbs, Donald K.; and Martin, Edward S., to Aluminum Company of America. Process for preparing stabilized high cristobalite. 4,818,729, 4-4-89, Cl. 501-4.000.
- Perrotta, Giorgio; and Losquadro, Giacinto, to Selenia Spazio S.p.A. Concatenated code-decode system for the protection against interference of digital transmissions through an intermediate regenerative repeater. 4,800,570, 1-24-89, Cl. 375-4.000.
- Perrotti, Patrick A.; Joffre, Paul F.; Karoutas, Zeses E.; Corsetti, Lawrence V.; Bryan, William J.; and Hatfield, Stephen C., to Combustion Engineering, Inc. Split vaned nuclear fuel assembly grid. 4,879,090, 11-7-89, Cl. 376-462.000.
- Perrotto, Joseph A.: *See—*
  - Estrada, Calixto; Hamerslag, James D.; Hooley, Robert W.; Hunt, John W.; Johnson, Melvin H.; McCabe, Duncan D.; and Perrotto, Joseph A., 4,865,410, Cl. 350-96.200.
- Perry, Charles C. Apparatus to be used in conjunction with a forklift for lifting and moving a concrete slab. 4,802,813, 2-7-89, Cl. 414-607.000.
- Perry, Clark W.: *See—*
  - Burger, Walter; Liebman, Arnold A.; and Perry, Clark W., 4,820,835, Cl. 540-577.000.
- Perry, Cliff R. Cover for a pool, hot tub or the like. 4,847,925, 7-18-89, Cl. 4-499.000.
- Perry, Cliff R. Cover for a hot tub or the like. 4,853,985, 8-8-89, Cl. 4-498.000.
- Perry, David M.: *See—*
  - Knudsen, James K.; and Perry, David M., 4,809,104, Cl. 360-104.000.
  - Moore, Larry D.; Leonard, Vurnen J.; and Perry, David M. 4,843,512, Cl. 360-133.000.
- Perry, David S.: *See—*
  - Toutant, Roy T.; Motley, Richard M.; and Perry, David S., 4,828,887, Cl. 427-424.000.
  - Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., 4,878,368, Cl. 72-9.000.
- Perry, Donald S., to Maxtor. Disk drive assembly tool. 4,851,943, 7-25-89, Cl. 360-105.000.
- Perry, Fred G., to General Electric Company. Apparatus and method for high-speed determination of received RF signal strength indicator. 4,868,885, 9-19-89, Cl. 455-10.000.
- Perry, Gary L. Structurally strong, non vapor, non moisture absorbing, spa/hot tub cover. 4,857,374, 8-15-89, Cl. 428-71.000.
- Perry, James R. Theft prevention device for T-tops. 4,845,966, 7-11-89, Cl. 70-159.000.
- Perry, James R., to Honeywell Inc. Single camel hump die. 4,862,929, 9-5-89, Cl. 140-105.000.
- Perry, James T.: *See—*
  - Bennett, Stanley N.; Perry, James T.; and Greene, Ronald D., 4,852,794, Cl. 229-73.000.
- Perry, John C. Wheel brake assembly. 4,815,679, 3-28-89, Cl. 244-111.000.
- Perry, John C. Pest extermination method and apparatus. 4,829,706, 5-16-89, Cl. 43-125.000.
- Perry, John C. Parking stand for supporting the tongue of a parked trailer. 4,889,357, 12-26-89, Cl. 280-475.000.
- Perry, John F.: *See—*
  - Loeb, Marvin P.; and Perry, John F., 4,872,464, Cl. 128-844.000.
  - Loeb, Marvin P.; and Perry, John F., 4,888,007, Cl. 604-352.000.
- Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., to Perry Oceanographics, Inc. Self-contained renewable energy system. 4,883,823, 11-28-89, Cl. 518-702.000.

- Perry, Joseph E., to Miles Inc. Motor control circuit for accurate speed control with capacitor leakage compensation. 4,829,230, 5-9-89, Cl. 323-273.000.
- Perry, Joseph W.; Uhl, Jonathan T.; Davis, Thomas L.; and Potts, David E., to V. R. Systems, Inc. Apparatus and method for removing and burning hydrocarbon vapors using an internal combustion engine. 4,846,134, 7-11-89, Cl. 123-520.000.
- Perry, Kenneth J.; Thefaine, Yannick J.; Hailpern, Brent T.; Hoevel, Lee W.; and Shea, Dennis G., to International Business Machines Corporation. In band connection establishment for a multiple multidrop network. 4,885,578, 12-5-89, Cl. 340-825.520.
- Perry, Kenneth P.: *See—*
  - Wu, Stephen H. W.; Kirk, Shane K.; Perry, Kenneth P.; Smith, E. Phillip; Chang, Yeong-Ho; and Jenkins, Waylon L., 4,837,004, Cl. 424-438.000.
- Perry, Kenneth W. System for forming a sloped surface on a flat roof deck. 4,831,794, 5-23-89, Cl. 52-90.000.
- Perry, Leroy: *See—*
  - Perry, Timothy; and Perry, Leroy, 4,878,675, Cl. 273-251.000.
- Perry, Lloyd F.: *See—*
  - McKinney, Robert C.; Perry, Lloyd F.; and Boden, Scott T., 4,823,914, Cl. 187-133.000.
- Perry, Malcolm B.: *See—*
  - Bundle, David R.; Perry, Malcolm B.; Cherwonogrodzky, John W.; Duncan, J. Robert; and Caroff, Martine G., 4,831,126, Cl. 536-53.000.
- Perry, Melvyn; Brewer, John H. T.; and Stocks, Derek S., to Royal Ordnance plc. Composite deflecting armour. 4,848,211, 7-18-89, Cl. 89-36.020.
- Perry, Melvyn: *See—*
  - Marlow, Peter G.; Granelli, Mario L.; and Perry, Melvyn, 4,867,077, Cl. 109-36.000.
  - Marlow, Peter G.; Perry, Melvyn; and Jepson, Donald, 4,869,152, Cl. 89-36.170.
- Perry, Michael; and Yasumura, Gary, to Beta Phase, Inc. High density and high signal integrity connector. 4,881,908, 11-21-89, Cl. 439-161.000
- Perry, Mordechai; Kotraro, Reuven; Linder, Charles; and Aviv, Gershon, to Aligena, AG. High flux RO/UF membranes. 4,889,636, 12-26-89, Cl. 210-651.000.
- Perry, Mordechai: *See—*
  - Linder, Charles; Nemas, Mara; Perry, Mordechai; and Kotraro, Reuven, 4,833,014, Cl. 428-308.400.
- Perry, Nigel B.: *See—*
  - Blunt, John W.; Munro, Murray H. G.; Perry, Nigel B.; and Thompson, Andrew M., 4,868,204, Cl. 514-452.000.
  - Munro, Murray H. G.; Perry, Nigel B.; and Blunt, John W., 4,874,767, Cl. 514-278.000.
- Perry Oceanographics, Inc.: *See—*
  - Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4.883,823, Cl. 518-702.000.
- Perry, Oliver L. Device for changing fuel pump on internal combustion engine. 4,845,818, 7-11-89, Cl. 29-156.40R.
- Perry, Paul D.; and Czajkowski, Julian, to Siemens-Bendix Automotive Electronics Limited. Canister purge valve with resilient armature. 4,869,461, 9-26-89, Cl. 251-129.150.
- Perry, Paul D.: *See—*
  - DeJong, Allan W.; and Perry, Paul D., 4,874,010, Cl. 137-484.400.
- Perry, Philip G.: *See—*
  - Foley, Geoffrey M.; Badesha, Santokh S.; Cherin, Paul; Pheilshifter, Kenneth J.; and Perry, Philip G., 4,822,712, Cl. 430-128.000.
- Perry, Richard: *See—*
  - Pellizzari, Paolo; and Perry, Richard, 4,853,697, Cl. 341-23.000.
- Perry, Richard C. Water heater cleaning apparatus. 4,858,563, 8-22-89, Cl. 122-382.000.
- Perry, Richard D., to Motorola, Inc. Power supply control with false shut down protection. 4,812,677, 3-14-89, Cl. 307-296.00R.
- Perry, Richard P.: *See—*
  - Urkowitz, Harry; and Perry, Richard P., 4,809,001, Cl. 342-94.000.
- Perry, Richard R.: *See—*
  - Strop, Hans R.; and Perry, Richard R., 4,808,426, Cl. 426-417.000.
- Perry, Richard W.: *See—*
  - Richardson, David L.; Clark, Jack P.; Smith, Thurman D.; and Perry, Richard W., 4,818,470, Cl. 376-245.000.
  - Richardson, David L.; Clark, Jack P.; Patterson, Peter M.; and Perry, Richard W., 4,826,650, Cl. 376-249.000.
- Perry, Robert. No reduction using sublimation of cyanuric acid. 4,886,650, 12-12-89, Cl. 423-235.000.
- Perry, Robert A. System for NO reduction using sublimation of cyanuric acid. 4,800,068, 1-24-89, Cl. 422-173.000.
- Perry, Robert A., to Owens-Illinois Closure Inc. Tamper indicating package and molded plastic threaded closure therefor. 4,863,050, 9-5-89, Cl. 215-252.000.
- Perry, Robert A.: *See—*
  - Brown, Peter E.; Perry, Robert A.; and Kubicki, Raymond S., 4,850,947, Cl. 493-365.000.
- Perry, Ronald E.; and Baumgardner, Timmy D. Shoulder draped bird perch. 4,807,568, 2-28-89, Cl. 119-26.000.
- Perry, Seth D.: *See—*
  - Tully, Clay E.; and Perry, Seth D., 4,837,890, Cl. 16-71.000.
- Perry, Stanton S.: *See—*
  - Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
- Perry, Stephen G.: *See—*
  - Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., 4,798,206, Cl. 128-419.00P.
- Perry, Steven B., to Keptel, Inc. Ground start circuit. 4,796,290, 1-3-89, Cl. 379-27.000.
- Perry, Steven B., to Keptel, Inc. Remotely activated switching apparatus. 4,807,277, 2-21-89, Cl. 379-102.000.
- Perry, Timothy; and Perry, Leroy. Educational and amusement game. 4,878,675, 11-7-89, Cl. 273-251.000.
- Perry, Timothy J., to Mello Manufacturing, Inc. High efficiency industrial vacuum cleaner. 4,838,907, 6-13-89, Cl. 55-381.000.
- Perry, Tom: *See—*
  - Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.
- Perry, Wilbert O., to Gould & Goodrich Leather, Inc. Holster for automatic pistol. 4,846,384, 7-11-89, Cl. 224-244.000.
- Perry, William D.; Heihn, Donald H.; and Peel, H. Herbert, to Nippon Colin Co., Ltd. Apparatus for inflating cuff for blood pressure monitoring system. 4,800,892, 1-31-89, Cl. 128-677.000.
- Perry, William D.; and Winter, Dean C., to Nippon Colin Co., Ltd. Automatic positioning system for continuous blood pressure monitor transducer. 4,830,017, 5-16-89, Cl. 128-672.000.
- Perry, William D.; and Heihn, Donald H., to Nippon Colin Co., Ltd. Linear, low noise inflation system for blood pressure monitor. 4,832,039, 5-23-89, Cl. 128-680.000.
- Perryman, Wilton S., Jr.: *See—*
  - Pippin, Archie A.; and Perryman, Wilton S., Jr., 4,804,165, Cl. 254 30.000.
- Perschbacher, Harald: *See—*
  - List, Paul H.; Schmidt, Peter C.; Steffens, Klaus-Jurgen; Perschbacher, Harald; Kraemer, Hans P.; and Sedlacek, Hans H., 4,801,455, Cl. 424-400.000.
- Pershing, David W.: *See—*
  - Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,851,201, Cl. 423-235.000.
  - Heap, Michael P.; Chen, Shih L.; McCarthy, James M.; and Pershing, David W., 4,861,567, Cl. 423-235.000.
- Persichini, David W.: *See—*
  - Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,828,660, Cl. 204-82.000.
  - Clark, R. Scot; Hoffman, Joe G.; Davison, John B.; Jones, Alan W.; Jones, Allen H., Jr.; Persichini, David W.; Yuan, Wallace I.; and Lipisko, Bruce A., 4,855,023, Cl. 204-130.000.
- Persidsky, Maxim D. Sterile connector and method. 4,828,557, 5-9-89, Cl. 604-408.000.
- Persohn, Paul: *See—*
  - Rappart, Alain; Loosdregt, Henri; Persohn, Paul; and Persohn, Philippe, 4,819,482, Cl. 73-201.000.
- Persohn, Paul H.; and Persohn, Philippe. Device for the protection against freezing of installations for the storage or the supply of a freezing liquid, in particular water. 4,798,239, 1-17-89, Cl. 165-45.000.
- Persohn, Philippe: *See—*
  - Persohn, Paul H.; and Persohn, Philippe, 4,798,239, Cl. 165-45.000.
  - Rappart, Alain; Loosdregt, Henri; Persohn, Paul; and Persohn, Philippe, 4,819,482, Cl. 73-201.000.
- Persohn S.A.: *See—*
  - Rappart, Alain; Loosdregt, Henri; Persohn, Paul; and Persohn, Philippe, 4,819,482, Cl. 73-201.000.
- Person, Herman R.; Veik, Thomas L.; Zwick, Scott D.; and Hesse, Joseph F., to Dale Electronics, Inc. Touch panel system and method for using same. 4,811,004, 3-7-89, Cl. 340-712.000.
- Person, Lee H.: *See—*
  - Middleton, David B.; Srivatsan, Raghavachari; and Person, Lee H., 4,843,55[illegible], Cl. 364-427.000.
- Person, LuAnn H.; and Roddy, Kenneth A. Portable stacking and nesting toilet. 4,807,308, 2-28-89, Cl. 4-483.000.
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- Personal Diagnostics, Inc.: *See—*
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- Personal Library Software, Inc.: *See—*
  - Shear, Victor H., 4,827,508, Cl. 380-4.000.
- Personal Pet Products Partnership: *See—*
  - Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,844,010, Cl. 119-1.000.
  - Ducharme, Cyril L.; Eickhof, Ralph C.; Heider, David A.; Neiberger, Denny W.; and Maass, Fred, 4,883,021, Cl. 119-1.000.
- Personal Products Company: *See—*
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  - Korpman, Ralf, 4,886,511, Cl. 604-365.000.
  - Luceri, Thomas J.; and Lukjanczuk, John, 4,795,455, Cl. 604-386.000.
  - Marbach, Philip J., 4,798,638, Cl. 156-69.000.
  - Seidy, Wassim, 4,862,574, Cl. 29-415.000.
  - Spano, John D.; and Menard, Michael J., 4,836,070, Cl. 8[illegible]-27.000.

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Persson, Bengt-Goran; and Wennerbo, Orjan E. V., to Atlas Copco Aktiebolag. Hydraulic drive system. 4,845,947, 7-11-89, Cl. 60-427.000.

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Persson, Sven A. R., to Telefonaktiebolaget L M Ericsson. Lightpen. 4,802,722, 2-7-89, Cl. 350-96.100.

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Persyk, Dennis E.; and Hamill, James J., to Siemens Gammasonics, Inc. Detector module for scintillation cameras. 4,879,465, 11-7-89, Cl. 250-363.020.

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Perun, Kenneth R., to McDonnell Douglas Corporation; and Lumonics, Limited. Laser perforating process and article produced therein. 4,857,698, 8-15-89, Cl. 219-121.710.

Perusse, Eugene T.; and Hammer, Eugene L., to Hughes Aircraft Company. Hybrid high speed voltage regulator with reduction of miller effect. 4,881,023, 11-14-89, Cl. 323-266.000.

Perutz, Simon G. A., to Nimlok Company. Portable display panel and hinge system. 4,823,858, 4-25-89, Cl. 160-135.000.

Perutz, Simon G. A., to Nimlok Company. Display system. 4,865,111, 9-12-89, Cl. 160-135.000.

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Durrer, Rudolph; Priessner, Hilmar; and Bach, Eric, 4,802,585, Cl. 206-449.000.

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Peter, Hans, to Sulzer Brothers Limited. Loom shedding motion. 4,817,676, 4-4-89, Cl. 139-57.000.

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Peterle, Guido. Molding sand loading and injecting head, in particular for molded core forming machines. 4,794,976, 1-3-89, Cl. 164-201.000.

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- Peterman, Steven; and Stanasolovich, David, to International Business Machines Corporation. Process for making self-aligned contacts. 4,855,252, 8-8-89, Cl. 437-189.000.
- Petermann, Juergen: *See—*
  - Fuchs, Harald; Gleiter, Herbert; Trapp, Stephan; and Petermann, Juergen, 4,812,800, Cl. 338-2.000.
- Petermann, Steven G., to Atlantic Richfield Company. Locking arm for well tool. 4,819,760, 4-11-89, Cl. 181-102.000.
- Petermann, Steven G., to Atlantic Richfield Company. Centralizer for wellbore apparatus. 4,830,105, 5-16-89, Cl. 166-241.000.
- Petermann, Steven G.; Cabiran, Michel L.; Cooper, John D.; and Lara, Pedro F., to Atlantic Richfield Company. Instrument chassis and body supports for pipeline survey pig. 4,835,876, 6-6-89, Cl. 33-313.000.
- Petermann, Steven G.; and Schasteen, Thomas, to Atlantic Richfield Company. Ultrasonic logging tool with rotating exposed transducer. 4,876,672, 10-24-89, Cl. 367-35.000.
- Peters, Alan R.: *See—*
  - Kozyrski, Vincent T.; and Peters, Alan R., 4,798,112, Cl. 83-455.000.
  - Kozyrski, Vincent T.; Peters, Alan R.; and Shaw, Ralph B., 4,809,849, Cl. 206-343.000.
  - Kozyrski, Vincent T.; and Peters, Alan R., 4,867,023, Cl. 83-455.000.
  - Kozyrski, Vincent T.; and Peters, Alan R., 4,871,156, Cl. 269-303.000.
- Peters, Albert: *See—*
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- Peters, Albin: *See—*
  - Wiczer, Max; and Peters, Albin, 4,805,906, Cl. 273-119.00A.
- Peters, Alfred C., to Texas Instruments Incorporated. Apparatus for controlling the temperature of an integrated circuit package. 4,848,090, 7-18-89, Cl. 62-3.300.
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- Peters, Arthur: *See—*
  - Dunwell, Llewelyn S.; Brown, Richard P.; Peters, Arthur; and Curley, John L., 4,827,400, Cl. 364-200.000.
- Peters, Bruce C.: *See—*
  - Henley, John P.; Pearson, Stanley R.; Peters, Bruce C.; and LaFitte, Larry L., 4,872,886, Cl. 48-197.00R.
- Peters, Charles W., to Oak Stump Farm, Inc. Containment type insect trap. 4,794,724, 1-3-89, Cl. 43-122.000.
- Peters, Daniel V.: *See—*
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- Peters, Dieter, to Hoechst Aktiengesellschaft. Hexaamminealuminum iodide monoammoniate and process for its preparation. 4,880,612, 11-14-89, Cl. 423-413.000.
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- Peters, Donald J.: *See—*
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- Peters, Donald L., to Phillips Petroleum Company. Blow molding apparatus. 4,799,876, 1-24-89, Cl. 425-536.000.
- Peters, Donald L., to Phillips Petroleum Company. Preventing gas leakage around blow needle in blow molding method. 4,859,397, 8-22-89, Cl. 264-529.000.
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- Peters, Edward N.: *See—*
  - Fox, Daniel W.; Peters, Edward N.; and Sybert, Paul D., 4,841,015, Cl. 528-198.000.
  - Fox, Daniel W.; and Peters, Edward N., 4,885,407, Cl. 568-724.000.
  - Mark, Victor, deceased; Mark, Carol M., representative; Mark, Ester H., representative; and Peters, Edward N., 4,871,830, Cl. 528-192.000.
- Peters, Eugene L.: *See—*
  - Hall, Shade W.; Peters, Eugene L.; Jensen, Robert E.; and Cox, Bernard K., Jr., 4,815,400, Cl. 111-1.000.
- Peters, Fred: *See—*
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- Peters, George. Magnetic key lock provided with an alarm system. 4,803,467, 2-7-89, Cl. 340-542.000.
- Peters, Gerald: *See—*
  - Failor, Raymond A.; Peters, Gerald; and Reuter, Mark, 4,882,797, Cl. 5-66.000.
- Peters, Gerald A. Artwork support apparatus. 4,827,638, 5-9-89, Cl. 38-102.200.
- Peters, Gerald L. Article handling tool. 4,863,204, 9-5-89, Cl. 294-19.100.
- Peters, Glen R. Electric attachment plug. 4,857,013, 8-15-89, Cl. 439-484.000.
- Peters, Hartmut: *See—*
  - Keesen, Heinz-Werner; and Peters, Hartmut, 4,839,724, Cl. 358-138.000.
  - Keesen, Heinz-Werner; and Peters, Hartmut, 4,882,627, Cl. 358-166.000.
- Peters, Horst: *See—*
  - Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,806,593, Cl. 525-63.000.
  - Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,812,515, Cl. 525-69.000.
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  - Kress, Hans-Jurgen; Paul, Winfried; Peters, Horst; Lindner, Christian; and Buekers, Josef, 4,879,342, Cl. 525-67.000.
  - Lindner, Christian; Peters, Horst; Buekers, Josef; and Urbanneck, Bernd, 4,810,739, Cl. 524-371.000.
  - Wittmann, Dieter; Lindner, Christian; Kress, Hans-Jurgen; Peters, Horst; and Schoeps, Jochen, 4,804,708, Cl. 525-67.000.
  - Wittmann, Dieter; Kress, Hans-Jurgen; Bottenbruch, Ludwig; Leitz, Edgar; and Peters, Horst, 4,882,381, Cl. 525-63.000.
- Peters, Jack; and Melton, Jack T. Hat and boot case. 4,881,637, 11-21-89, Cl. 206-278.000.
- Peters, Jacobus F. M.: *See—*
  - van Mondfrans, Gerardus H.; and Peters, Jacobus F. M., 4,887,527, Cl. 101-116.000.
- Peters, James P., Jr.: *See—*
  - Kettlety, Richard A.; and Peters, James P., Jr., 4,867,870, Cl. 210-139.000.
- Peters, Jens; and Becker, Ludwig, to Deutsches Electronen-Synchrotron DESY. Method and apparatus for error correction of phase measurement signals. 4,890,056, 12-26-89, Cl. 324-83.00D.
- Peters, Jerry W.; and Burnett, John L., to Boeing Company, The Fixture system for workpiece machining. 4,794,687, 1-3-89, Cl. 29-559.000.
- Peters, John M.: *See—*
  - Almagor, David; and Peters, John M., 4,862,427, Cl. 367-101.000.
- Peters, John R.; Ramey, Max E.; Seyffert, Arturo E.; Canon, Jack L.; Robinson, Michael W.; and Abercrombie, William T., to Pennzoil Sulphur Company. Apparatus for recovery of sulfur. 4,869,555, 9-26-89, Cl. 299-7.000.
- Peters, Jorg: *See—*
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  - Prochnow, Jurgen; Peters, Jorg; Theis, Ulrich; and Karius, Klaus D., 4,797,985, Cl. 29-1.210.
- Peters, Joseph H.; and Kanters, Johannes T., to U.S. Philips Corp. Device for deriving a synchronizing signal. 4,837,783, 6-6-89, Cl. 375-110.000.
- Peters, Joseph R.: *See—*
  - Ligon, James T., Sr.; Coon, Thomas L.; and Peters, Joseph R., 4,810,548, Cl. 428-71.000.
- Peters, Josephus A. M., to Drukker International B.V. Method of making a diamond heat sink. 4,800,002, 1-24-89, Cl. 204-15.000.
- Peters, Karl-Clemens: *See—*
  - Rehmer, Gerd; Niessner, Manfred; Heide, Wilfried; Hartmann, Heinrich; and Peters, Karl-Clemens, 4,879,361, Cl. 526-201.000.
- Peters, Karl-Heinz: *See—*
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- Peters, Kerry M.: *See—*
  - Buford, John T.; and Peters, Kerry M., 4,846,112, Cl. 122-21.000.
- Peters, Klaus-Markus: *See—*
  - Mehrotra, Pankaj K.; Peters, Klaus-Markus; and Swiokla, Joyce L., 4,826,791, Cl. 501-89.000.
- Peters, Loren W.: *See—*
  - Hall, James W.; Popelier, Maurice A.; Klimmer, Josef W.; West, Neil L.; and Peters, Loren W., 4,884,994, Cl. 460-66.000.
  - Turner, Reed J.; Peters, Loren W.; Wilson, John E.; and Bennett, Robert E., 4,875,891, Cl. 460-110.000.
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- Peters, Manfred: *See—*
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  - Schenk, Gunther; and Peters, Manfred, 4,816,372, Cl. 430-203.000.

- Peters, Margaret A. Window cornice. 4,865,105, 9-12-89, Cl. 160-38.000.
- Peters, Max D., to Nu Aire, Inc. Clean air cabinet. 4,832,717, 5-23-89, Cl. 55-473.000.
- Peters, Michael S.: *See—*
  - Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Matthews, Brian; and Peters, Michael S., 4,887,781, Cl. 244-190.000.
- Peters, Michaels S.: *See—*
  - Browning, Nigel; Fry, Arthur C.; Malpass, Robert L. H.; Matthews, Brian; and Peters, Michaels S., 4,875,646, Cl. 244-190.000.
- Peters, Norman E.: *See—*
  - Mottur, George P.; Peters, Norman E.; and Nietz, Ron L., 4,803,091, Cl. 426-439.000.
- Peters, Peter J. H.: *See—*
  - Boesten, Wilhelmus H. J.; and Peters, Peter J. H., 4,812,403, Cl. 435-115.000.
- Peters, Petrus J. M., to U.S. Philips Corporation. Vacuum tube including an electron-optical system. 4,853,586, 8-1-89, Cl. 313-422.000.
- Peters, Petrus J. M.: *See—*
  - Van Esdonk, Johannes; Stoffels, Jacobus; and Peters, Petrus J. M., 4,806,818, Cl. 313-346.00R.
- Peters, Rex B., to Sundstrand Data Control, Inc. Apparatus and method for determining the position of a tool in a borehole. 4,797,822, 1-10-89, Cl. 364-422.000.
- Peters, Rex B.; and Cornelius, Craig J., to Sundstrand Data Control, Inc. Matched pairs of force transducers. 4,872,343, 10-10-89, Cl. 73-517.0AV.
- Peters, Rex B.: *See—*
  - Hanson, Richard A.; Peters, Rex B.; Norling, Brian L.; and Urbach, Edward A., 4,872,342, Cl. 73-517.00R.
  - Hulsing, Rand H.; and Peters, Rex B., 4,799,385, Cl. 73-505.000.
  - Hulsing, Rand H., II; Peters, Rex B.; and Norling, Brian L., 4,881,408, Cl. 73-517.0AV.
- Peters, Richard: *See—*
  - Crowe, David F.; Tanabe, Masato; and Peters, Richard, 4,859,370, Cl. 260-397.450.
- Peters, Richard E.; and Parlette, Larry J. Combination access box and bed liner for vehicles. 4,824,158, 4-25-89, Cl. 296-37.600.
- Peters, Robert M. Traction device and method for relocating dislocated shoulders. 4,844,056, 7-4-89, Cl. 128-77.000.
- Peters, Robert W., to Greenleaf Corporation. Rotary cutter with serrated edges and positive/negative axial rake. 4,794,665, 1-3-89, Cl. 407-58.000.
- Peters, Roger D. Mechanical plate clamp. 4,881,745, 11-21-89, Cl. 279-4.000.
- Peters, Rolf: *See—*
  - Karbach, Alfred; Schaub, Georg; and Peters, Rolf, 4,884,408, Cl. 60-667.000.
- Peters, Ronald L.: *See—*
  - Peters, Rudolph; Peters, Ronald L.; and Taylor, William, 4,807,628, Cl. 128-334.00R.
- Peters, Rudolf; and Santkamp, Richard, to Windmoller & Holscher. Apperatus for slitting a web into narrow webs or strips. 4,831,909, 5-23-89, Cl. 83-425.400.
- Peters, Rudolph; Peters, Ronald L.; and Taylor, William, to Edward Weck & Company, Inc. Method and apparatus for storing, dispensing, and applying surgical staples. 4,807,628, 2-28-89, Cl. 128-334.00R.
- Peters, Sheila N. Breast-feeding trainer. 4,815,977, 3-28-89, Cl. 434-267.000.
- Peters, Steven J.: *See—*
  - Lamberty, Bernard J.; and Peters, Steven J., 4,885,556, Cl. 333-21.00A.
- Peters, Theodore M.; and Eltvik, Bjorn V., to Car-O-Liner Company. Chain clamping device. 4,815,719, 3-28-89, Cl. 269-130.000.
- Peters, Theodorus P.: *See—*
  - Smit, Cornelis J.; and Peters, Theodorus P., 4,849,060, Cl. 204-67.000.
- Peters, Thomas E.; and Hunt, Roger B., Jr., to GTE Laboratories Incorporated. Pre-water-based suspension phosphor treatment process. 4,803,400, 2-7-89, Cl. 313-489.000.
- Peters, Thomas E.; and Hunt, Roger B., Jr., to GTE Laboratories Incorporated. Method of treating a coated phosphor. 4,806,389, 2-21-89, Cl. 427-67.000.
- Peters, Thomas L.; and Stevens, Timothy S., to Dow Chemical Company, The. Apparatus for membrane-permeation separations using segmented flow. 4,834,877, 5-30-89, Cl. 210-198.100.
- Peters, Tim: *See—*
  - Zerbst, Ekkehard; Peters, Tim; and Koralewski, Hans-Eberhard, 4,850,994, Cl. 604-198.000.
- Peters, Timothy J.: *See—*
  - Brenden, Byron B.; and Peters, Timothy J., 4,808,001, Cl. 336-394.000.
- Peters, Ulf: *See—*
  - Rudiger, Gunther; and Peters, Ulf, 4,887,611, Cl. 128-743.000.
- Peters, W. Gordon: *See—*
  - Abbott, William L.; and Peters, W. Gordon, 4,826,187, Cl. 280-35.000.
- Peters, Willem: *See—*
  - Verkuylen, Adrianus H. I., 4,875,543, Cl. 180-219.000.
- Peters, William F.; and Buchanan, Randall C., to Nu Aire, Inc. Animal isolator. 4,798,171, 1-17-89, Cl. 119-15.000.
- Peters, William H. Device for reducing moisture beneath a roofing structure. 4,841,695, 6-27-89, Cl. 52-199.000.
- Peters, William H. Portable and reusable safety marker for disabled vehicles. 4,858,551, 8-22-89, Cl. 116-30.000.
- Peterscheck, Hermann W.: *See—*
  - Sillerud, Dean R.; and Peterscheck, Hermann W., 4,803,054, Cl. 422-109.000.
  - Zeigler, Joseph E.; and Peterscheck, Hermann W., 4,822,394, Cl. 62-17.000.
- Petersen, Alan, to Spectra Physics, Inc. Modular power supply with variable input voltage and output voltage flyback power modules. 4,814,963, 3-21-89, Cl. 363-20.000.
- Petersen, Alan, to Spectra Physics, Inc. High power flyback, variable output voltage, variable input voltage, decoupled power supply. 4,814,965, 3-21-89, Cl. 363-65.000.
- Petersen, Alan B.: *See—*
  - DeBell, Gary W.; Wright, David L.; Ruddock, Kenneth A.; Petersen, Alan B.; Carlson, Lee R.; and Von Gunten, Marc K., 4,809,293, Cl. 372-98.000.
- Petersen, Bernard L.: *See—*
  - Kruse, Gary L.; and Petersen, Bernard L., 4,856,398, Cl. 83-425.200.
- Petersen, Borge; and Groot, William P., to NCR Corporation. Floating idler wheel arm assembly for a document transport. 4,875,670, 10-24-89, Cl. 271-265.000.
- Petersen, Christian C.; and Wasson, Ken G., to Camatec Corporation. D.C. motor. 4,837,474, 6-6-89, Cl. 310-254.000.
- Petersen, Christian C., to Polaroid Corporation. Method and apparatus for precisely moving a motor armature. 4,870,306, 9-26-89, Cl. 310-12.000.
- Petersen, Daryle L.: *See—*
  - Trine, John A.; Samdahl, David A.; and Petersen, Daryle L., 4,803,458, Cl. 338-198.000.
  - Trine, John A.; and Petersen, Daryle L., 4,803,599, Cl. 362-249.000.
- Petersen, Don W., to Loral Corporation. Aircraft wheel drive key and heatshield assembly. 4,856,619, 8-15-89, Cl. 188-18.00A.
- Petersen, Donald D.: *See—*
  - Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.
- Petersen, Eric A.: *See—*
  - Jamison, Chris M.; and Petersen, Eric A., 4,878,622, Cl. 239-690.100.
- Petersen, Erwin, to WABCO Westinghouse Fahrzeugbremsen GmbH. Fluid pressure responsive and electrically-controlled brake system. 4,824,178, 4-25-89, Cl. 303-15.000.
- Petersen, Erwin, to WABCO Westinghouse Fahrzeugbremsen GmbH. Electrically-controlled motor vehicle brake system. 4,861,115, 8-29-89, Cl. 303-15.000.
- Petersen, Erwin: *See—*
  - Deike, Horst; and Petersen, Erwin, 4,805,715, Cl. 180-197.000.
  - Lohmann, Berthold; and Petersen, Erwin, 4,819,995, Cl. 303-110.000.
- Petersen, Frank P.; Maybroda, Adrianna M.; and Miller, Sally A., to Agri-Diagnostics Associates. Monoclonal antibodies to *Sclerotinia homoeocarpa*. 4,803,155, 2-7-89, Cl. 435-7.000.
- Petersen, Frank P.; Maybroda, Adrianna M.; Grothaus, Gary D.; and Miller, Sally A., to Agri-Diagnostics Associates. Monoclonal antibodies and methods for fungal pathogen detection. 4,845,197, 7-4-89, Cl. 530-387.000.
- Petersen, Frank P.; Grothaus, Gary D.; and Miller, Sally A., to Agri-Diagnostics Associates. Test for Rhizoctonia brown and yellow patch. 4,879,217, 11-7-89, Cl. 435-7.000.
- Petersen, Gerd: *See—*
  - Kalischewski, Rolf; Petersen, Gerd; and Schussler, Karl, 4,833,840, Cl. 52-64.000.
- Petersen, Godber, to Man Roland Druckmaschinen AG. Adjustable storage cassette system for printed products. 4,844,237, 7-4-89, Cl. 198-803.010.
- Petersen, Godber, to M.A.N. Roland Druckmaschinen AG. Stapling apparatus for stapling folded sheet products. 4,844,432, 7-4-89, Cl. 270-53.000.
- Petersen, Godber, to Man Roland Druckmaschinen AG. Sheet insertion apparatus. 4,871,159, 10-3-89, Cl. 270-55.000.
- Petersen, Godber: *See—*
  - Kobler, Ingo; and Petersen, Godber, 4,807,865, Cl. 270-54.000.
  - Kobler, Ingo; and Petersen, Godber, 4,828,242, Cl. 270-54.000.
  - Kobler, Ingo; and Petersen, Godber, 4,840,365, Cl. 270-54.000.
- Petersen, Harro: *See—*
  - Goeckel, Ulrich; Petersen, Harro; Osterloh, Rolf; Schupp, Eberhard; Loch, Werner; and Schwerzel, Thomas, 4,855,394, Cl. 528-263.000.
- Petersen, Henno A.: *See—*
  - Cesare, Frank C.; Whelan, William P., Jr.; Petersen, Henno A.; Coolbaugh, Thomas S.; and Davis, Robert G., 4,888,393, Cl. 525-285.000.
- Petersen, Howard L.: *See—*
  - Okazaki, Eldon; and Petersen, Howard L., 4,821,094, Cl. 357-23.100.
- Petersen, James A.; and Crater, Timothy G., to Engineered Controls International, Inc. Non-rising stem valve assembly and method of replacing a permanent seal. 4,860,784, 8-29-89, Cl. 137-315.000.
- Petersen, Jann. Lighting fixture for fluorescent lamps. 4,796,168, 1-3-89, Cl. 362-217.000.
- Petersen, Kurt. Laminated fabric coated plastic material. 4,797,253, 1-10-89, Cl. 428-196.000.
- Petersen, Kurt E.; and Barth, Phillip W., to NovaSensor. Accelerometer with integral bidirectional shock protection and controllable viscous damping. 4,882,933, 11-28-89, Cl. 73-517.00R.

Petersen, Kurt E.: *See—*

Knutti, James W.; Allen, Henry V.; Petersen, Kurt E.; and Kowalski, Carl R., 4,861,420, Cl. 156-633.000.

Petersen, Kurt H.; and Schmolze, Christopher A., to Minnesota Mining and Manufacturing Company Multipurpose socket. 4,859,189, 8-22-89, Cl. 439-66.000.

Petersen, Leonard M. Cooking apparatus. 4,859,833, 8-22-89, Cl. 219-432.000.

Petersen Manufacturing Co., Inc.: *See—*

Burney, Burrell T., 4,850,254, Cl. 81-367.000.

Durfee, LaVerne R., Jr., 4,815,902, Cl. 408-225.000.

Petersen, Michael P.: *See—*

Heiller, Glenn H.; and Petersen, Michael P., 4,862,225, Cl. 355-288.000.

Petersen, Morten L., to Coloplast A/S. Coupling means for fastening disposable ostomy bags and bag system therefore. 4,826,495, 5-2-89, Cl. 604-333.000.

Petersen, Niel R.; and Chasco, David G., to MTS Systems Corporation. Tensile test controller. 4,802,367, 2-7-89, Cl. 73-805.000.

Petersen, Poul: *See—*

Lund, Egon; and Petersen, Poul, 4,808,872, Cl. 310-215.000.

Petersen, Robert B., to Hitco. Polymer impregnated and carbonized carbon/carbon composite. 4,833,030, 5-23-89, Cl. 428-408.000.

Petersen, Robert C. Tactile display apparatus. 4,871,992, 10-3-89, Cl. 340-407.000.

Petersen, Robert J.: *See—*

Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.

Petersen, Ronald O., and McAlpin, James L., to Tektronix, Inc. X-ray attenuating ceramic materials. 4,804,885, 2-14-89, Cl. 313-480.000.

Petersen, Steven D.: *See—*

Wolf, Gary A.; Petersen, Steven D.; and McKenzie, Jeffrey J. 4,848,802, Cl. 285-39.000.

Petersen, Steven L.: *See—*

Fitzgerald, William M., Jr.; Petersen, Steven L.; and Waters, John G., 4,811,246, Cl. 364-550.000.

Petersen, Steven R.: *See—*

Kramer, L. Jonathan; and Petersen, Steven R., 4,799,174, Cl. 364-550.000.

Maltby, Frederick L.; Hall, Richard G.; Kramer, Jonathan L.; Hoopes, Howard S.; and Petersen, Steven R., 4,849,754, Cl. 340-870.380.

Petersen, Ulrich. Making seamless steel pipes. 4,809,423, 3-7-89, Cl. 29-527.700.

Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., to Bayer Aktiengesellschaft. 1-cyclopropyl-6-fluoro-1,4-dihydro-4-oxo-7-(1-piperazinyl)-3-quinolinecarboxylic acids and antibacterial agents containing them. 4,806,539, 2-21-89, Cl. 514-254.000.

Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., to Bayer Aktiengesellschaft. 7-(1-Pyrrolidinyl)-quinolonecarboxylic acid derivatives. 4,820,716, 4-11-89, Cl. 514-312.000.

Petersen, Uwe; Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., to Bayer Aktiengesellschaft. 6,7-disubstituted 1-cycloproply-1,4-dihydro-4-oxo-1,8-naphthyridine-3-carboxylic acids. 4,840,954, 6-20-89, Cl. 514-254.000.

Petersen, Uwe; Schriewer, Michael; Kysela, Ernst; and Grohe, Klaus, to Bayer Aktiengesellschaft. Process for the preparation of benzoic acid derivatives. 4,851,160, 7-25-89, Cl. 562-853.000.

Petersen, Walter J.: *See—*

Holley, Charles C.; Petersen, Walter J.; and Zenner, Michael N., 4,854,112, Cl. 56-6.000.

Petersen, Warren D.: *See—*

Maxwell, Holly; and Petersen, Warren D., 4,864,090, Cl. 219-10.55E.

Petershofer, Georg; and Felzmann, Horst, to Isovolta Osterreichische Isolierstoffwerke Aktiengesellschaft. High pressure decorative laminates. 4,865,807, 9-12-89, Cl. 428-161.000.

Petershofer, Georg: *See—*

Pflug, Guenther; and Petershofer, Georg, 4,800,111, Cl. 428-121.000.

Peterson, Alex, Jr.: *See—*

Durairaj, Bojayan; Peterson, Alex, Jr.; and Salee, Gideon, 4,889,891, Cl. 525-139.000.

Peterson, Arnold N.; and Sprague, Larry A., to Peterson Pacific Corporation. Combination log debarker-chipper. 4,889,169, 12-26-89, Cl. 144-208.00J.

Peterson, Bradley M. Winch attachment for vehicle wheel traction. 4,836,466, 6-6-89, Cl. 242-95.000.

Peterson, Bruce A.: *See—*

Mills, Gary N.; Peterson, Bruce A.; and Preston, William G., Jr., 4,821,769, Cl. 137-554.000.

Peterson, Bruce R.: *See—*

Graham, Randolph H.; Peterson, Bruce R.; and Blackborow, Richard J., 4,819,153, Cl. 362-200.000.

Graham, Randolph H.; Peterson, Bruce R.; and Blackborow, Richard J., 4,882,671, Cl. 364-200.000.

Peterson, Carl A.: *See—*

Lemkin, Jack L.; Peterson, Carl A.; and Zilber, Eugene A., 4,850,555, Cl. 248-87.000.

Peterson, Carl W., to Mansfield Scientific, Inc. Pressure controller. 4,838,864, 6-13-89, Cl. 604-100.000.

Peterson, Charles M. Plasma and hemoglobin-associated acetaldehyde as a marker of alcohol use. 4,814,280, 3-21-89, Cl. 436-128.000.

Peterson, Charlie A.: *See—*

Burkman, Don C.; Schumacher, David D.; and Peterson, Charlie A., 4,801,335, Cl. 134-25.400.

Peterson, Christer C. I., to Aktiebolaget Electrolux. Method and device for soldering or brazing. 4,822,971, 4-18-89, Cl. 219-85.220.

Peterson, Clarence I., Jr.: *See—*

Culican, Edward F., Sr.; Davis, John D.; Ewen, John F.; Mc Cabe, Scott A.; Mosley, Joseph M.; Mullgrav, Allan L., Jr.; Noto, Philip F.; Peterson, Clarence I., Jr.; and Pritzlaff, Philip E., Jr., 4,833,425, Cl. 331-1.00A.

Peterson, Clifford C. Wire storage construction for ladders. 4,869,344, 9-26-89, Cl. 182-129.000.

Peterson, Craig B.: *See—*

Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.

Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli. John L., 4,829,425, Cl. 364-200.000.

Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.

Peterson, Craig R.: *See—*

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Peterson, Curt: *See—*

Masquelier, Michele; Ros, Mikael; Peterson, Curt; Rudling, Mats; and Vitols, Sigurd, 4,868,158, Cl. 514-21.000.

Peterson, David; Chen, Loren; and Iliff, Robert J., to Clorox Company, The. Stable liquid nonaqueous detergent compositions. 4,874,537, 10-17-89, Cl. 252-99.000.

Peterson, David A.; and Benson, Douglas H., to Procter & Gamble Company, The. Improved method of making discrete airlaid absorbent fibrous articles. 4,859,388, 8-22-89, Cl. 264-121.000.

Peterson, David C.; Leigh-Monstevens, Keith V.; Vanderpoorte, John G.; and Mabee, Brian D. Electric shift apparatus with manual override. 4,843,901, 7-4-89, Cl. 74-335.000.

Peterson, David C.: *See—*

Leigh-Monstevens, Keith V.; Tury, Edward L.; Peterson, David C.; and Vanderpoorte, John G., 4,841,793, Cl. 74-335.000.

Peterson, David L.; and Peterson, Michael J., to Sport Floor Design, Inc. Resilient leveler and shock absorber for sport floor. 4,879,857, 11-14-89, Cl. 52-403.000.

Peterson, David L.: *See—*

Bischoff, Gary; Blokkum, Dag R.; de Leon Penaloza, Antonio, III; and Peterson, David L., 4,827,406, Cl. 364-200.000.

Mir, Jose M.; Agostinelli, John A.; Peterson, David L.; Paz-Pujalt, Gustavo R.; Higberg, Brian J.; and Rajeswaran, Gopalan, 4,880,770, Cl. 505-1.000.

Peterson, Dennis R.: *See—*

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Peterson, Donald L.; and Kornecki, Tadeusz, to United States of America, Agriculture. Shaking mechanism for fruit harvesting. 4,860,529, 8-29-89, Cl. 56-330.000.

Peterson, Donald S., to Spectra-Physics, Inc. Off-line dc power supply. 4,837,452, 6-6-89, Cl. 307-2.000.

Peterson, Elmer R.: *See—*

Donovan, Joseph F.; Spatz, Edward C.; Salerni, John V.; Peterson, Elmer R.; and Weirich, John B., 4,856,591, Cl. 166-278.000.

Ilfrey, William T.; Spatz, Edward C.; Peterson, Elmer R.; and Moran, William, 4,858,691, Cl. 166-278.000.

Peterson, Emil A. Adjustable height basketball goal and backboard apparatus. 4,846,470, 7-11-89, Cl. 273-1.50R.

Peterson, Eugene H., III: *See—*

Szczutkowski, Craig F.; Zinser, Richard L., Jr.; Kappagantula, Satish; and Peterson, Eugene H., III, 4,817,146, Cl. 380-48.000.

Peterson, Francis C., to Buell Industries, Inc. Plug. 4,832,234, 5-23-89, Cl. 220-306.000.

Peterson, Francis C., to Buell Industries, Inc. Method of thread masking and thread masked part. 4,856,954, 8-15-89, Cl. 411-427.000.

Peterson, Francis C.; and Zabawa, Mark T., to Buell Industries, Inc. Threaded fastener test stand. 4,866,990, 9-19-89, Cl. 73-761.000.

Peterson, Francis C., to Buell Industries, Inc. Caged fastener. 4,875,816, 10-24-89, Cl. 411-104.000.

Peterson, Francis C.: *See—*

Blucher, William J.; Ernst, Richard J.; and Peterson, Francis C., 4,856,951, Cl. 411-178.000.

Peterson, Gary J. Device for absorbing liquid contaminants such as oil and gasoline and fumes thereof. 4,861,475, 8-29-89, Cl. 210-242.400.

Peterson, Gary R.; and Horton, M. Duane, to SII Megadiamond. Method for producing multiple polycrystalline bodies. 4,797,241, 1-10-89, Cl. 264-63.000.

Peterson, George T., to Emhart Industries, Inc. Gob distributor with gob deflector. 4,826,523, 5-2-89, Cl. 65-165.000.

Peterson, Gerald E.: *See—*

Beachy, Robert W.; Ellson, Bart T.; Kakuk, Jay J.; and Peterson, Gerald E., 4,870,548, Cl. 362-145.000.

Peterson, Glen. Apparatus, methods and articles for internegative color balancing. 4,857,968, 8-15-89, Cl. 355-72.000.

Peterson, Glen D.: *See—*

Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., 4,862,025, Cl. 310-68.00B.

Dierker, Joseph B., Jr.; Peterson, Glen D.; and Gee, Thomas A., 4,862,028, Cl. 310-168.000.

Peterson, Gregory A.: *See—*

Hamilton, James E.; and Peterson, Gregory A., 4,819,237, Cl. 371-66.000.

Peterson, Ingvar, to Brio AB. Toy with tipping load carrier. 4,846,754, 7-11-89, Cl. 446-428.000.

Peterson, James E.; and Collett, Robert W., to Daylighting, Inc. Closed loop control system for shade assembly. 4,852,627, 8-1-89, Cl. 160-84.100.

Peterson, James L.: *See—*

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Libby, Scott A.; Pliml, Frank V., Jr.; Johnson, William M.; Armstrong, Laurence P.; and Peterson, James L., 4,850,078, Cl. 16-100.000.

Peterson, James S.: *See—*

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Bishop, Thomas P.; Fish, Robert W.; Peterson, James S.; and Tuvell, Walter E., Jr., 4,849,877, Cl. 364-200.000.

Peterson, Jeffrey D. Multi-level board game. 4,861,040, 8-29-89, Cl. 273-241.000.

Peterson, Jeffrey N.; and Frost, Robert T., to General Electric Company. Continuous metal tube casting method and apparatus. 4,865,116, 9-12-89, Cl. 164-466.000.

Peterson, Joe W.: *See—*

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Gilfeather, Glen; and Peterson, Joe W., 4,819,047, Cl. 357-23.130.

Linz, Alfredo R.; Peterson, Joe W.; and Nair, Velayudhan V., 4,843,394, Cl. 341-154.000.

Peterson, John A., to Occidental Chemical Corporation. Homogeneous mixtures of polyphosphates. 4,798,712, 1-17-89, Cl. 423-315.000.

Peterson, John A.; and Ehlers, David C., to Occidental Chemical Corporation. Homogenous mixtures of polyphosphates. 4,867,958, 9-19-89. Cl. 423-305.000.

Peterson, John C.; Tuazon, Jesus O.; Lieberman, Don; and Pniel, Moshe, to California Institute of Technology. Concurrent hypercube system with improved message passing. 4,814,980, 3-21-89, Cl. 364-200.000.

Peterson, John E., Jr.; and Apicella, Anthony M., to Uniroyal Goodrich Tire Company, The. Method and apparatus for controlling the weight per unit length of a continuous extrudate. 4,844,846, 7-4-89, Cl. 264-40.400.

Peterson, John M., to Teledyne Industries Inc. Fast, erectable, easily transportable structures. 4,887,397, 12-19-89, Cl. 52-86.000.

Peterson, John R., to Teledyne Industries, Inc. Zirconium-containing coating composition. 4,856,576, 8-15-89, Cl. 164-495.000.

Peterson, Joseph L.; and Wilson, Robert A., to Custom Equipment Corporation. Low temperature kiln. 4,837,423, 6-6-89, Cl. 219-390.000.

Peterson, Kirk E.; and Fletcher, Charles B. Auxiliary earpiece for use with eyeglasses. 4,844,605, 7-4-89, Cl. 351-123.000.

Peterson, Lauren M., to Environmental Research Institute of Michigan. Thermo-optically induced waveguide. 4,886,331, 12-12-89, Cl. 350-96.120.

Peterson, Laverne. Expandable carrying case with external expansion control means. 4,854,430, 8-8-89, Cl. 190-105.000.

Peterson, Leslie A. Child's crawler garment. 4,845,778, 7-11-89, Cl. 2-24.000.

Peterson, LuVerne R.; and Rehart, Michael A., to Unisys Corporation. Fast multiplier circuit incorporating parallel arrays of two-bit and three-bit adders. 4,839,848, 6-13-89, Cl. 364-757.000.

Peterson, Marvin; and Petroske, Richard. Suspended ceiling assembly. 4,841,709, 6-27-89, Cl. 52-664.000.

Peterson, Mary J.: *See—*

Causley, Gary C.; and Peterson, Mary J., 4,818,285, Cl. 106-22.000.

Peterson, Michael. Electric waterbed pump. 4,832,094, 5-23-89, Cl. 141-65.000.

Peterson, Michael D.; and Nentl, Robert J., to Fluoroware, Inc. Carrier for flat panel displays. 4,815,601, 3-28-89, Cl. 206-454.000.

Peterson, Michael D.: *See—*

Olds, Leonard E.; Peterson, Michael D.; and Martin, Jean P., 4,862,477, Cl. 373-85.000.

Peterson, Michael J.: *See—*

Peterson, David L.; and Peterson, Michael J., 4,879,857, Cl. 52-403.000.

Peterson, Miles L., to Seagate Technology, Inc. Disc clamping device. 4,864,443, 9-5-89, Cl. 360-99.120.

Peterson, Miles L.: *See—*

Ghose, Sanjoy; Bronshvatch, Efim; and Peterson, Miles L., 4,881,140, Cl. 360-106.000.

MacLeod, Donald J.; Peterson, Miles L.; and Nowark, Charles G., Jr., 4,841,393, Cl. 360-98.070.

Peterson, Mitchell F.: *See—*

Hamberg, Allan; Thomas, Elmer L.; Carruth, Henry T., Jr.; and Peterson, Mitchell F., 4,804,906, Cl. 324-65.00R.

Peterson, Myron L. Automatic watering system using siphon action. 4,846,206, 7-11-89, Cl. 137-1.000.

Peterson, P. Eric: *See—*

Adam, Hamish G.; Sharer, Peter J.; and Peterson, P. Eric, 4,845,503, Cl. 342-448.000.

Peterson Pacific Corporation: *See—*

Peterson, Arnold N.; and Sprague, Larry A., 4,889,169, Cl. 144-208.00J.

Peterson, Peter K.: *See—*

Avritt, Michael D.; Hegerhorst, Brent K.; and Peterson, Peter K., 4,843,429, Cl. 355-274.000.

Peterson, Peter O. Self-tightening nut. 4,812,096, 3-14-89, Cl. 411-231.000.

Peterson, Phillip R.; and Geary, Joseph M., to United States of America, Air Force. Double pinhole spatial phase correlator apparatus. 4,872,135, 10-3-89, Cl. 364-822.000.

Peterson, Phillip R.; Gavrielides, Athanasios; and Cardimona, David A., to United States of America, Air Force. Optical parametric amplifying variable spatial filter. 4,880,996, 11-14-89, Cl. 307-425.000.

Peterson, Richard E. Database management enhancement device. 4,859,187, 8-22-89, Cl. 434-118.000.

Peterson, Richard H.; and Kramer, Justin. Electrical stop control for musical instruments and action magnet therefor. 4,851,800, 7-25-89, Cl. 335-229.000.

Peterson, Richard H., to Graco Inc. Reel-less dispense console. 4,884,592, 12-5-89, Cl. 137-234.600.

Peterson, Richard J.: *See—*

Shenier, Richard S.; and Peterson, Richard J., 4,825,526, Cl. 24-303.000.

Peterson, Richard L.; Johnson, James A.; and Tomlonovic, Vincent J., to Hiniker Company. Row crop cultivator. 4,834,189, 5-30-89, Cl. 172-166.000.

Peterson, Richard L.: *See—*

Wilson, Syd R.; Lorigan, Robert P.; and Peterson, Richard L., 4,799,392, Cl. 73-865.900.

Peterson, Richard W.; Fisher, Donald C.; and Luffy, John W., to Aluminum Company of America. Electrode design for increased current distribution. 4,824,543, 4-25-89, Cl. 204-280.000.

Peterson, Robert G.: *See—*

Mobley, Dewey F.; Peterson, Robert G.; and Collar, Robert S., 4,842,534, Cl. 439-214.000.

Peterson, Robert G., Sr.: *See—*

Mobley, Dewey F.; Warren, Janice M.; and Peterson, Robert G., Sr., 4,813,889, Cl. 439-595.000.

Peterson, Robert K.; Mowatt, Larry J.; and Poteet, Aaron D., to Texas Instruments Incorporated. Thermal interface for a printed wiring board. 4,882,454, 11-21-89, Cl. 174-68.500.

Peterson, Robert L. Scuba weights. 4,848,965, 7-18-89, Cl. 405-186.000.

Peterson, Robert T.: *See—*

Hart, Ronald E.; and Peterson, Robert T., 4,848,498, Cl. 180-69.200.

Peterson, Samuel F.: *See—*

Stern, Richard J.; Rundzaitis, Alfons; and Peterson, Samuel F., 4,814,078, Cl. 210-282.000.

Peterson, Stephen B.: *See—*

Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., 4,862,640, Cl. 49-213.000.

Boyko, James G.; Farrar, Timothy J.; and Peterson, Stephen B., 4,887,390, Cl. 49-214.000.

Peterson, Stephen C.: *See—*

Brimhall, Owen D.; McLaughlin, Thomas J.; and Peterson, Stephen C., 4,804,355, Cl. 494-20.000.

Brimhall, Owen D.; Peterson, Stephen C.; Baker, Charles D.; and Riddle, Merwyn D., 4,854,170, Cl. 73-570.000.

Brimhall, Owen D.; Peterson, Stephen C.; Kotlyar, Oleg; and Ghosh Roy, Dilip N., 4,874,358, Cl. 494-37.000.

Sparks, Sam L.; Brimhall, Owen D.; Peterson, Stephen C.; and Baker, Charles D., 4,850,963, Cl. 600-29.000.

Peterson, Steven C.; and Kaplan, Aaron, to United Technologies Corporation. Stator valve assembly for a rotary machine. 4,827,713, 5-9-89, Cl. 60-226.100.

Peterson, Stuart R.: *See—*

Perna, Fred P.; and Peterson, Stuart R., 4,833,697, Cl. 377-15.000.

Peterson, Sture, to Stiftelsen Institutet for Mikrovagsteknik Vid Tekniska Hogskolan i Stockholm. Method for producing thin conductive and semi-conductive layers in mono-crystal silicon. 4,837,174, 6-6-89, Cl. 437-24.000.

Peterson, Terry A.: *See—*

LaGrange, Nyle D.; Nielsen, Darryl M.; and Peterson, Terry A., 4,806,083, Cl. 417-423.140.

Peterson, Thomas F., Jr. Absolute electrical potential measuring apparatus and method. 4,839,581, 6-13-89, Cl. 324-72.000.

Peterson, Thomas K. M. Method and apparatus for removing aquatic plants. 4,852,337, 8-1-89, Cl. 56-8.000.

Peterson, Vicky J.: *See—*

Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., 4,867,653, Cl. 417-360.000.

Peterson, Vincent F., to Osborne Industries, Inc. Wind diverter for ventilator fans. 4,850,267, 7-25-89, Cl. 98-42.070.

Peterson, Walter J., to Toro Company, The. Adjustable steering assembly. 4,815,765, 3-28-89, Cl. 280-775.000.

Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., to Joerns Healthcare, Inc. Table. 4,805,542, 2-21-89, Cl. 108-150.000.

Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., to Joerns Healthcare, Inc. Vertically adjustable table with retractable caster assembly. 4,828,208, 5-9-89, Cl. 248-188.200.

Peterson, Willard E., Jr.; and Bierl, James F., to Deere & Company. Disk harrow standard for support beams of different cross sections. 4,842,077, 6-27-89, Cl. 172-599.000.

Peterson, William D., II. Laser curtain having an array of parabolic mirrors each focusing radiation on a corresponding detector positioned in mirror's focal point. 4,855,608, 8-8-89, Cl. 250-560.000.

Peterson, William R. Beach shade. 4,836,231, 6-6-89, Cl. 135-98.000.

- Peterson, William R., to Tretorn AB. Shoesole for golf shoe. 4,885,851, 12-12-89, Cl. 36-127.000.
- Petersson, Olle, to Inter-Ikea A/S. Method of manufacturing hollow furniture parts, such as table legs, as well as apparatus for carrying out said method. 4,830,696, 5-16-89, Cl. 156-154.000.
- Petersson, Peter M., to Telefonaktiebolaget L M Ericsson. Intermittent phase locked loop frequency synthesizer for frequency hopping radio system. 4,868,523, 9-19-89, Cl. 331-14.000.
- Petersson, Stefan; Gustafsson, Bror; and Parmann, Gunnar, to Forsheda AB. Mould and sealing ring. 4,818,209, 4-4-89, Cl. 425-392.000.
- Pethica, John B.: *See—*
  - Oliver, Warren C.; and Pethica, John B., 4,848,141, Cl. 73-81.000.
- Pethrick, Richard A.: *See—*
  - Affrossman, Stanley; Bakhshaee, Massoud; Pethrick, Richard A.; and Sherrington, David C., 4,885,344, Cl. 525-302.000.
- Petibon, Guy, to Jouveinal S.A. Novel therapeutic use of a derivative of indane dione and the pharmaceutical compositions intended for this use. 4,816,490, 3-28-89, Cl. 514-681.000.
- Petit, Dominique: *See—*
  - Comert, Ahmet; and Petit, Dominique, 4,867,312, Cl. 206-447.000.
- Petit, Francis: *See—*
  - Petit, Michele; Mortreux, Andre; Petit, Francis; and Buono, Gerard, 4,877,908, Cl. 568-814.000.
  - Vevert, Jean-Paul; Delevallee, Francoise; Gasc, Jean-Claude; and Petit, Francis, 4,839,358, Cl. 514-237.800.
- Petit, Michel: *See—*
  - Maurice, Francois; Froyer, Gerard; Pelous, Yvan; Petit, Michel; and Fauvarque, Jean-Francois, 4,863,574, Cl. 204-59.00R.
- Petit, Michele; Mortreux, Andre; Petit, Francis; and Buono, Gerard, to Norsolor. Chiral phosphorus compounds, a process for their manufacture and their application to the catalysis of enantioselective synthesis reactions. 4,877,908, 10-31-89, Cl. 568-814.000.
- Petit, Pierre: *See—*
  - Grenier, Maurice; and Petit, Pierre, 4,863,497, Cl. 55-181.000.
  - Leonard, Didier; Periot, Jean-Marie; and Petit, Pierre, 4,879,512, Cl. 324-207.000.
- Petit, Thomas J. Vehicle washing device. 4,794,938, 1-3-89, Cl. 134-57.00R.
- Petit, Thomas J. Vehicle washing device. 4,850,379, 7-25-89, Cl. 134-18.000.
- Petit, Thomas J. Vehicle washing device. 4,856,543, 8-15-89, Cl. 134-57.00R.
- Petitbon, Alain, to Compagnie Generale d'Electricite. Method of surface-treating ceramic workpieces using a laser. 4,814,575, 3-21-89, Cl. 219-121.640.
- Petitcollin. Jean-Mark: *See—*
  - Letemps, Bernard; Petitcollin, Jean-Mark; Perin, Francis; Prouveur, Herve; and Lissillour, Jean, 4,813,993, Cl. 65-273.000.
- Petitimbert, Jean F., to Trailigaz-Compagnie Generale De L'Ozone. Electric supply device for an ozonizer. 4,833,583, 5-23-89, Cl. 363-36.000.
- Petitjean, Gilbert; and Lebourg, Michel, to U.S. Philips Corporation. Interrupter arrangement for high-frequency signals. 4,882,504, 11-21-89, Cl. 307-256.000.
- Petitjean, Michel. Device for operating a multiple position armchair, seat or couch, including a means for supporting the small of the back. 4,830,429, 5-16-89, Cl. 297-284.000.
- Petito, Michael D.; and Redes, Peter, to Raytheon Company. Time multiplexed radar link. 4,890,112, 12-26-89, Cl. 342-58.000.
- Petitou, Maurice; Lormeau, Jean-Claude; Choay, Jean; Jacquinet, Jean-Claude; and Sinay, Pierre, to Choay S.A. Oligosaccharides and their biological applications. 4,801,583, 1-31-89, Cl. 514-54.000.
- Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, to Choay, S.A. Process for the organic synthesis of oligosaccharides and derivatives thereof. 4,818,816, 4-4-89, Cl. 536-55.200.
- Petitou, Maurice: *See—*
  - Lormeau, Jean-Claude; Petitou, Maurice; and Choay, Jean, 4,804,652, Cl. 514-56.000.
  - Lormeau, Jean-Claude; Choay, Jean; and Petitou, Maurice, 4,826,827, Cl. 514-56.000.
  - van Boeckel, Constant A. A.; Beetz, Tom; and Petitou, Maurice, 4,841,041, Cl. 536-118.000.
- Petitto, Angelo A.: *See—*
  - Petitto, Angelo S., Sr.; Petitto, Angelo A.; and Petitto, James L., 4,799,850, Cl. 414-687.000.
- Petitto, Angelo S., Sr.; Petitto, Angelo A.; and Petitto, James L., to Petitto Mine Equipment, Inc. Material handling vehicle for use in a mine. 4,799,850, 1-24-89, Cl. 414-687.000.
- Petitto, James L.: *See—*
  - Petitto, Angelo S., Sr.; Petitto, Angelo A.; and Petitto, James L., 4,799,850, Cl. 414-687.000.
- Petitto Mine Equipment, Inc.: *See—*
  - Petitto, Angelo S., Sr.; Petitto, Angelo A.; and Petitto, James L., 4,799,850, Cl. 414-687.000.
- Petko, Charles J. Aerodynamic flying toy. 4,846,749, 7-11-89, Cl. 446-36.000.
- Petkovic-Luton, Ruzica: *See—*
  - Luton, Michael J.; Ayer, Raghavan; Petkovic-Luton, Ruzica; Vallone, Joseph; and Matras, Stephen, 4,818,481, Cl. 419-67.000.
- Petkovsek, Stephen. Combination pressure producing and evacuation testing device. 4,800,931, 1-31-89, Cl. 141-65.000.
- Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, to EGIS Gyogyszergyar. Pharmaceutical composition. 4,873,249, 10-10-89, Cl. 514-275.000.
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- Petocz, Lujza: *See—*
  - Batori, Sandor; Hajos, Gyorgy; Messmer, Andras; Benko, Pal; Pallos, Laszlo; Petocz, Lujza; Grasser, Katalin; Kosoczky, Ibolya; and Szirt nee Kiszelly, Eniko , 4,871,846, Cl. 544-183.000.
  - Reiter, Jozsef; Rivo, Endre; Reiter nee Esess, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan, 4,831,029, Cl. 514-232.500.
- Petolino, Joseph A.: *See—*
  - Christensen, Harold F.; Thomas, Jeffrey A.; Isozaki, Jeffrey; and Petolino, Joseph A., 4,852,100, Cl. 371-38.000.
  - Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel C.; and Thomas, Jeffrey A., 4,855,904, Cl. 364-200.000.
  - Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel Carl; and Thomas, Jeffrey A., 4,872,111, Cl. 364-200.000.
  - Taylor, Michael D.; Maier, Robert M.; Begley, Michael J.; Zmyslowski, Allan J.; Thomas, Jeffrey A.; and Petolino, Joseph A., 4,888,689, Cl. 364-200.000.
- Petolino, Joseph A., Jr.: *See—*
  - Chen, Jack; Thomas, Jeffrey A.; Petolino, Joseph A., Jr.; Begley, Michael J.; Shah, Ajay; Taylor, Michael D.; and Tobias, Richard J., 4,851,993, Cl. 364-200.000.
- Peton, Denise: *See—*
  - Kamarei, Ahmad R.; Klibaner, Michael; and Peton, Denise, 4,879,312, Cl. 514-560.000.
- Petra, Barth: *See—*
  - Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachim; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
- Petracek, Vaclav; and Schnegg, Julius R., to Burlington Industries, Inc. Warp-knit, weft-inserted fabric with multiple substrate layers and method of producing same. 4,841,749, 6-27-89, Cl. 66-190.000.
- Petracek, Vaclav; and Schnegg, Julius, to Burlington Industries, Inc. Antique satin weft inserted warp knit drapery fabric. 4,854,135, 8-8-89, Cl. 66-190.000.
- Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., to Texas Instruments Incorporated. Multiphase motor protector apparatus. 4,866,408, 9-12-89, Cl. 337-104.000.
- Petraitis, Kestutis F.; and Baldauf, Walter W., Jr., to Harshaw Chemical Company, The. Regeneration of copper etch bath. 4,880,495, 11-14-89, Cl. 156-642.000.
- Petrakis, Konstaninos S.; Berger, Joel G.; and Gold, Elijah H., to Schering Corporation. Phosphorus containing compounds as inhibitors of enkephalinases. 4,853,476, 8-1-89, Cl. 558-170.000.
- Petralia, Salvatore, to Regina Co., Inc., The. Vacuum cleaner. 4,823,429, 4-25-89, Cl. 15-333.000.
- Petranto, Joseph J., to United States of America, Energy. Split gland. 4,863,198, 9-5-89, Cl. 285-39.000.
- Petrarch Systems, Inc.: *See—*
  - Lewis, James M.; Owens, Robert A.; Ferguson, Susan A.; Chin, Roland L.; and Zuba, Valentine T., 4,822,722, Cl. 430-326.000.
  - Lewis, James M.; and Owens, Robert A. 4,824,769, Cl. 430-331.000.
- Petras, Diane S.: *See—*
  - Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., 4,851,182, Cl. 376-267.000.
- Petrashko, Alexei I.: *See—*
  - Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.
- Petrasso, Richard: *See—*
  - Shefer, Ruth; Klinkowstein, Robert E.; and Petrasso, Richard, 4,887,604, Cl. 128-654.000.
- Petre, John H., to Cleveland Clinic Foundation. Patient equipment transport and support system. 4,795,122, 1-3-89, Cl. 248-317.000.
- Petre, John H., to Cleveland Clinic Foundation, The. Method for patient equipment transport and support system. 4,879,798, 11-14-89, Cl. 29-434.000.
- Petre, Mark L.: *See—*
  - Speer, Gregg V.; and Petre, Mark L., 4,870,228, Cl. 200-4.000.
- Petrecca, Peter J.: *See—*
  - Boger, Bentley J.; and Petrecca, Peter J., 4,874,451, Cl. 156-291.000.
- Petree, Larry M.: *See—*
  - Nicholas, John D.; Petree, Larry M.; and Attaway, Julian J., 4,815,247, Cl. 52-396.000.
- Petrel: *See—*
  - Jalon, Michel, 4,833,311, Cl. 235-491.000.

- Petrella, Robert G.: *See—*
  - Takahashi, Akio; Petrella, Robert G.; and Schwartz, Joel, 4,859,774, Cl. 544-251.000.
- Petrey, Gerald R.: *See—*
  - Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Granger, Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, Jr., 4,818,300, Cl. 148-2.000.
- Petri AG: *See—*
  - Zeller, Gregor; and Bonn, Helmut, 4,821,016, Cl. 307-10.100.
- Petri, Alberto, to Enichem Tecnoresine S.p.A. Branched polycarbonate from aliphatic polyicarboxylic acids or derivatives thereof, and process for their preparation. 4,795,797, 1-3-89, Cl. 528-176.000.
- Petri, Alberto, to Enichem Tecnoresine S.p.A. Branched polycarbonate from methylene-bis-naphthalene compound. 4,798,882, 1-17-89, Cl. 528-190.000.
- Petri, Alberto, to Enichem Tecnoresine, S.p.A. Branched polycarbonate from 2,4,6-tris(4'-hydroxyaryl)-amino-S-triazine. 4,857,628, 8-15-89, Cl. 528-203.000.
- Petri, Alberto, to Enichem Tecnoresine, S.p.A. Flame-resistant polycarbonates, containing in their polymeric chain units deriving from mono-halogenated tetra-phenyl compounds. 4,883,856, 11-28-89, Cl. 528-202.000.
- Petri, Dan A. Key-ring-mountable alarm device. 4,806,911, 2-21-89, Cl. 340-574.000.
- Petri, Gunther: *See—*
  - Meinhold, Henner; Ziegenbein, Botho; and Petri, Gunther, 4,879,188, Cl. 429-7.000.
- Petri, Werner: *See—*
  - Koschmieder, Hartmut; and Petri, Werner, 4,886,482, Cl. 474-133.000.
- Petri, Woldemar R.: *See—*
  - Gibel, John P.; Spies, Henry J; and Petri, Woldemar R., 4,848,520, Cl. 187-9.00E.
- Petrich, Georg; and Schmieder, Helmut, to Kernforschungszentrum Karlsruhe GmbH. Method of improving the criticality safety in a liquid-liquid extraction process for spent nuclear fuel or breeder reactor materials. 4,871,478, 10-3-89, Cl. 252-627.000.
- Petrick, Ernest N.: *See—*
  - Auyer, Richard A.; Buccellato, Robert J.; Petrick, Ernest N.; and Sridharan, Needangalam S., 4,835,033, Cl. 428-131.000.
- Petrick, Michael, to Solmecs Corporation N.V. Energy conversion system involving change in the density of an upwardly moving liquid. 4,800,727, 1-31-89, Cl. 60-649.000.
- Petrick, S. Walter: *See—*
  - Jones, Jack A.; Petrick, S. Walter; and Britcliffe, Michael J., 4,836,973, Cl. 62-6.000.
- Petrick, William R.: *See—*
  - Olsen, Steven L.; Petrick, William R.; and Stodt, John A., 4,814,711, Cl. 324-331.000.
- Petrie, Brian C.; Druetzler, Thomas W.; and Harris, Rodney M., to Sherwin-Williams Company, The. Isocyanate functional polymers. 4,861,853, 8-29-89, Cl. 526-302.000.
- Petrie, Douglas S. Servicing device for oil well rod pumps. 4,850,736, 7-25-89, Cl. 403-344.000.
- Petrie, Laurence R. Toolholders for machine tools. 4,812,089, 3-14-89, Cl. 408-139.000.
- Petriello, John V.: *See—*
  - Effenberger, John A.; Koerber, Keith G.; Latorra, Michael N.; and Petriello, John V., 4,883,716, Cl. 428-421.000.
- Petrilla, John F.: *See—*
  - Walters, Michael D.; Pernyeszi, Joseph; and Petrilla, John F., 4,864,126, Cl. 250-551.000.
- Petrillo, Edward W., Jr.; Karanewsky, Donald S.; Thottathil, John K.; Heikes, James E.; and Grosso, John A., to E. R. Squibb & Sons, Inc. Method for preparing phosphinic acids used in preparing ace inhibitors and intermediates produced thereby. 4,873,356, 10-10-89, Cl. 558-180.000.
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- Petrini, Grace. Throwaway bib. 4,797,952, 1-17-89, Cl. 2-49.00R.
- Petrini, Guido: *See—*
  - Cavalli, Luigi; Cucchetto, Mario; Petrini, Guido; and Viola, Augusto, 4,829,042, Cl. 2-316.000.
  - Gardano, Andrea; Casagrande, Francesco; Foa, Marco; Petrini, Guido; Barisone, Riccardo; and Chapoy, Lawrence, 4,885,409, Cl. 568-834.000.
- Petrisko, John D.: *See—*
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- Petro-Canada, Inc.: *See—*
  - Tomoda, Toshimasa; Badono, Shinji; and Komaru, Masaki, 4,885,759, Cl. 378-53.000.
  - Winkel, Gordon R.; and Lamb, David K., 4,863,009, Cl. 198-505.000.
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  - Adams, Lawrence J.; Fruda, Thomas R.; and Hughett, Paul D., 4,807,578, Cl. 123-198.00A.
- Petro, John F., to Northern Telecom Limited. Digital telephony card for use in an operator system. 4,879,738, 11-7-89, Cl. 379-3.000.
- Petrocarb, Inc.: *See—*
  - Reintjes, Harold; and Lampert, Sam, 4,883,390, Cl. 406-24.000.
- Petrof, Robert C.; and McHugh, Charles O., to Ford Motor Company. Method of determining worn rotary tool. 4,802,274, 2-7-89, Cl. 29-568.000.
- Petroff, Cvetan, to McPherson's Limited. Scissors sharpener. 4,825,544, 5-2-89, Cl. 30-138.000.
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  - Winyard, Frank; Bremner, Gordon; and Petroff, Cvetan, 4,862,590, Cl. 30-161.000.
- Petroff, Pierre M.: *See—*
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- Petrofina, U.K. Ltd.: *See—*
  - McCrainor, Peter R.; Caplin, Peter B.; Middlemas, James W.; Rees, Geraint; and Angelini, Mario, 4,824,438, Cl. 44-16.00F.
- Petroflex, Industria E Comercio S.A.: *See—*
  - de Castro Morshbacker, Antonio L. R.; Filho, Dante F. F.; Filho, Joaquim M. F.; da Fonseca, Marcus C.; and de Mello, Ricardo T., 4,849,190, Cl. 423-124.000.
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  - de Andrade Bruning, Inai M. R., 4,889,813, Cl. 436-60.000.
  - Franco, Zadson d. A.; and Barreto, Demostenis A. W., 4,881,599, Cl. 166-284.000.
  - Khalil, Carlos N.; and Franco, Zadson de, 4,846,277, Cl. 166-280.000.
  - Rodrigues, Renato S.; and Ogura, Jayme H., 4,877,088, Cl. 166-342.000.
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  - Funayama, Osamu; Arai, Mikiro; and Isoda, Takeshi, 4,861,569, Cl. 423-324.000.
- Petroleum Energy Center Foundation: *See—*
  - Oishi, Yasuyuki; and Inoue, Akira, 4,861,746, Cl. 502-314.000.
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  - Hayes, Michael E.; Hrebenar, Kevin R.; Murphy, Patricia L.; Futch Jr., Laurence E.; Deal III, James F.; and Bolden Jr., Paul L., 4,821,757, Cl. 137-13.000.
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  - Gutnick, David L.; Nestaas, Eirik; Rosenberg, Eugene; and Sar, Nechemia, 4,883,757, Cl. 435-252.100.
  - Hayes, Michael E., 4,870,010, Cl. 424-114.000.
  - Hayes, Michael E.; Hrebenar, Kevin R.; Minor, Jennifer L.; and Woodworth, Lawrence M., 4,886,519, Cl. 44-51.000.
  - Shoham, Yuval; Rosenberg, Eugene; and Gutnick, David L., 4,818,817, Cl. 536-1.100.
- Petroline Wireline Services Limited: *See—*
  - Zwart, Klaas, 4,883,121, Cl. 166-217.000.
- Petrolite Corporation: *See—*
  - Bellos, Thomas J.; Greenlee, Roy W.; and Welge, Frederick T., 4,818,410, Cl. 210-639.000.
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  - Buffham, Brian W.; and Marquardt, Daniel J., 4,819,683, Cl. 137-71.000.
  - Buriks, Rudolf S.; and Dolan, James G., 4,877,842, Cl. 252-344.000.
  - Lissant, Kenneth J.; Beltman, Charles H.; and Bradley, Guy M., 4,844,620, Cl. 366-136.000.
  - Redmore, Derek; Dhawan, Balram; and Przybylinski, John L., 4,857,205, Cl. 210-700.000.
  - Scherubel, Gary A., 4,796,702, Cl. 166-308.000.
  - Thompson, Neil E. S.; and Asperger, Robert G., 4,826,625, Cl. 252-344.000.
  - Thompson, Neil E. S.; Redmore, Derek; Oude Alink, Bernardus A.; and Outlaw, Benjamin T., 4,843,176, Cl. 564-292.000.
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  - Weers, Jerry J., 4,871,374, Cl. 44-63.000.
  - Zetlmeisl, Michael J.; and Fahey, William F., 4,877,578, Cl. 422-14.000.
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  - Dickinson, Ben W. O.; Anderson, Randall R.; Dickinson, Robert W.; Dickinson, Eric W.; and Dykstra, Herman, 4,865,128, Cl. 166-278.000.
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- Petron, Terry L. Disk shaped fishing line bobber. 4,873,784, 10-17-89, Cl. 43-44.950.
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- Petrone, Louis. Golf tee cigarette holder. 4,838,285, 6-13-89, Cl. 131-259.000.
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- Petrossian, Ashot; and DeGiovanni, Andy, to IGB Products, Ltd. Perfusion airlift bioreactor. 4,806,484, 2-21-89, Cl. 435-311.000.
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  - Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S.; Magdychansky, Vadin S.; Petrov, Gennady I.; Raer, Gilya A.; and Sarantsev, Kir B., 4,795,311, Cl. 416-186.00R.

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Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kiselman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., 4,809,779, Cl. 166-173.000.

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Petrovich, Michael V., to Blount, Inc. Saw chain hook angle gauge. 4,862,593, 9-5-89, Cl. 33-202.000.

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Calkins, Eugene E.; and Petrovich, Michael V., 4,876,796, Cl. 30-383.000.

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Petrow, Henry G. Method for setting hair or fur. 4,841,997, 6-27-89, Cl. 132-204.000.

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Petrtyl, Miroslay: *See*—

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Petrucci, Raymond M.; Taylor, Bruce G.; Giordano, Edward C.; Padiall, James M.; and Palmer, Carl, to CUNO, Incorporated. Quick-change filter cartridge and head therefor. 4,877,521, 10-31-89, Cl. 210-171.000.

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Petruschke, Haans K.: *See*—

Schmidt, Robert N.; and Petruschke, Haans K., 4,838,901, Cl. 55-74.000.

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Petryshyn, Jon E. Holder for shoe polish cans. 4,821,932, 4-18-89, Cl. 224-222.000.

Petsch, Heinrich: *See*—

Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich; and Prescher, Guenter, 4,849,532, Cl. 549-525.000.

Grund, Andreas; Prescher, Guenter; Boehme, Georg; Hofen, Willi; and Petsch, Heinrich, 4,855,465, Cl. 549-525.000.

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Petschulat, David J. Vibrato palm rest. 4,802,397, 2-7-89, Cl. 84-328.000.

Pett, Bruce; and Wain, David, to Bonar Plastics Ltd. Shipping container. 4,887,731, 12-19-89, Cl. 220-1.500.

Pett, Todd A.: *See*—

Diaz, Leopoldo J.; McKenna, Daniel B.; and Pett, Todd A., 4,853,704, Cl. 343-767.000.

McKenna, Daniel B.; and Pett, Todd A., 4,835,538, Cl. 343-700.0MS.

Pettenski, Thomas A.: *See*—

Bartilson, Benjamin M.; Kok, Kenneth D.; and Pettenski, Thomas A., 4,848,165, Cl. 73-864.710.

House, Larry J.; Mank, James F.; Pettenski, Thomas A.; Williams, William J.; and Hayford, Donald T., 4,843,884, Cl. 73-622.000.

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Pettersen, Erik O.: *See*—

Borretzen, Bernt; Larsen, Rolf O.; Pettersen, Erik O.; Dornish, John M.; and Oftebro, Rolf, 4,874,780, Cl. 514-452.000.

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Hsieh, C. Richard; King, Desmond F.; Pettersen, Frederick A.; and Shargay, Cathleen A., 4,875,996, Cl. 208-157.000.

Petterson, Tor: *See*—

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Pettersson, Bror G. G.: *See*—

Granath, Håkan A.; and Pettersson, Bror G. G., 4,846,301, Cl. 181-230.000.

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Petteway, Steven R.: *See*—

Ivanoff, Lucinda A.; and Petteway, Steven R., 4,861,707, Cl. 435-5.000.

Pettibone, Donald W.: *See*—

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Pettibone, Douglas J.: *See*—

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Pettinelli, Anthony J. Automatic engine ignition shut-off device. 4,856,471, 8-15-89, Cl. 123-198.0DC.

Pettit, Dean K.: *See*—

Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., 4,880,426, Cl. 623-6.000.

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Pettit, George D.: *See*—

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Pettit, Paul H., Jr.: *See*—

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Pettman, Roger B.; and Wells, Nicholas S., to Shell Internationale Research Maatschappij, B.V. Imidazole derivatives, their preparation and their use as fungicides. 4,798,845, 1-17-89, Cl. 514-400.000.

Pettus, Kent: *See*—

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Pettus, William G., to Babcock & Wilcox Company, The. Void plug for annular fuel pellets. 4,853,177, 8-1-89, Cl. 376-418.000.

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Petty, Cleon, to Motorola, Inc. Differential emitter-coupled-logic bus driver. 4,870,301, 9-26-89, Cl. 307-455.000.

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Petty, Herbert E.: *See*—

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King, Roswell E., III; and Petty, Herbert E., 4,831,081, Cl. 525-105.000.

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Petty, Terry D.; and Chabot, Luc G., to Odeco, Inc. Semi-submersible platform with adjustable heave motion. 4,850,744, 7-25-89, Cl. 405-224.000.

Petty, Troy. Tubing cutters. 4,847,997, 7-18-89, Cl. 30-95.000.

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Petz, Bruce R.: *See*—

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Petzelt, George D., to American Packaging Corporation. Carton structure for forming lined carton with interior insert. 4,838,424, 6-13-89, Cl. 206-459.000.

Petzenhauser, Isfried: *See*—

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Petzinna, Dieter: *See*—

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Petzold, Werner P.; and Umlauf, William P., to Borg-Warner Automotive, Inc. Ratio control technique for continuously variable transmission. 4,811,225, 3-7-89, Cl. 364-424.100.

Petzow, Gunter: *See*—

Claussen, Nils; Petzow, Gunter; Nieszery, Katharina; Panhofst, Wolfgang; and Weisskopf, Karl-Ludwig, 4,855,259, Cl. 501-9.000.

Peugh, Dean. Furnace. 4,856,438, 8-15-89, Cl. 110-233.000.

Peugh, Jack, to Printpack, Inc. Web slitting system and slack inducing apparatus and method useful therein. 4,798,353, 1-17-89, Cl. 242-75.300.

Peuke, Helmut; Riedel, Gerd; and Steinsdorfer, Lothar, to Agfa-Gevaert Aktiengesellschaft. Process for the manufacture of an injection mould. 4,832,254, 5-23-89, Cl. 228-174.000.

Peuke, Helmut: *See*—

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Peveler, Michael W.: *See*—

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Peveto, Johnnie E., to Chrysler Motors Corporation. Quick change tool holder. 4,886,467, 12-12-89, Cl. 439-192.000.

Peviani, Thomas P. Quick releasable ground and rod clamp for welding. 4,820,901, 4-11-89, Cl. 219-138.000.

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Peychev, Vlayko S.: *See*—

Beyazov, Yordan Y.; Nenov, Sasho G.; and Peychev, Vlayko S., 4,884,459, Cl. 73-861.520.

Peyman, Gholam A. Method for modifying corneal curvature. 4,840,175, 6-20-89, Cl. 128-303.100.

Peyman, Gholam A.: *See*—

Koziol, Jeffrey E.; and Peyman, Gholam A., 4,838,266, Cl. 128-303.100.

Koziol, Jeffrey E.; and Peyman, Gholam A., 4,878,910, Cl. 623-6.000.

Peyman, R. Allan. Harmonica sail. 4,856,448, 8-15-89, Cl. 114-103.000.

Peyre, Jacques, to Societe Anonyme dite: SMH Alcatel. Label franking machine suitable for selectively outputting printed labels which are dry or wet. 4,865,678, 9-12-89, Cl. 156-356.000.

Peyre, Jacques, to Societe anonyme dite: SMH Alcatel. Machine for franking labels. 4,886,566, 12-12-89, Cl. 156-361.000.

Peyremorte, Jean-Pierre: *See*—

Gibot, Claude; Peyremorte, Jean-Pierre; and Sojka, Richard, 4,878,353, Cl. 62-52.100.

Peyret, Olivier: *See*—

Delair, Jacques; and Peyret, Olivier, 4,876,705, Cl. 378-144.000.

Peyrot, Jan: *See*—

Day, Eric; Aubin, Jean Paul; and Peyrot, Jan, 4,879,985, Cl. 123-501.000.

Peyrot, Jean P.: *See*—

Gaudin, Jean-Paul; and Peyrot, Jean P., 4,821,943, Cl. 228-45.000.

Peytavin, Pierre, to Vallourec Industries. Device permitting introduction of a fluid into the cooling chamber of a rotary mould. 4,869,311, 9-26-89, Cl. 164-443.000.

Peytavy, Jean-Louis: *See*—

Elgue, Jean; Oliveau, Olivier; and Peytavy, Jean-Louis, 4,889,700, Cl. 423-220.000.

Oliveau, Olivier; and Peytavy, Jean-Louis, 4,844,876, Cl. 423-220.000.

Pezaris, Constantine D., to Environmental Fragrance Technologies, Ltd. Driver circuit. 4,798,935, 1-17-89, Cl. 219-272.000.

Pezaris, Constantine D.: *See*—

Glucksman, Dov Z.; and Pezaris, Constantine D., 4,795,883, Cl. 219-272.000.

Pezzarossi, John J. Faucet valve with diagonal sealing ring. 4,854,545, 8-8-89, Cl. 251-310.000.

Pezzelato Officine Construzioni Mecchaniche S.p.A.: *See*—

Pezzolato, Riccardo, 4,801,238, Cl. 414-607.000.

Pezzolato, Riccardo, to Pezzelato Officine Construzioni Mecchaniche S.p.A.; and Automated Container Loading Limited. Vehicle for the remote handling of loads. 4,801,238, 1-31-89, Cl. 414-607.000.

Pezzoli, Luigi, to Vamatex S.p.A. Means to guide the motion of a pair of weft carrying grippers inside the shed of weaving looms. 4,834,146, 5-30-89, Cl. 139-449.000.

Pezzoli, Luigi, to Vilminore Officine Meccaniche S.p.A. Device for the automatic control of the weft yarn feed in air looms. 4,877,064, 10-31-89, Cl. 139-435.000.

Pezzuto, John M.: *See*—

Kinghorn, Alan D.; Compadre, Cesar M.; and Pezzuto, John M., 4,808,409, Cl. 424-439.000.

Pfaehler, Jorg: *See*—

Bocker, Jurgen; Furch, Benjamin; Pfaehler, Jorg; and Peters, Jorg, 4,848,238, Cl. 102-476.000.

Pfaff, Douglas, to Bernal, Inc. Punch system for perforating plastic sheets. 4,825,739, 5-2-89, Cl. 83-139.000.

Pfaff, Helmut, to Seba-Dynatronic Messund Ortungstechnik GmbH. Procedure for monitoring of an object using a signal line, together with a pulse measuring apparatus to carry out this procedure. 4,829,284, 5-9-89, Cl. 340-524.000.

Pfaff Industriemaschinen GmbH: *See*—

Braun, Oskar, 4,876,975, Cl. 112-260.000.

Dippert, Rainer; and Mussig, Karl, 4,829,920, Cl. 112-288.000.

Dobner, Reinhold; Mertel, Bernhard; and Willenbacher, Erich, 4,805,544, Cl. 112-278.000.

Krowatchek, Fritz; and Zinnsmeister, Horst, 4,848,254, Cl. 112-313.000.

Martin, August, 4,838,188, Cl. 112-121.120.

Pfaff, Klaus: *See*—

Hennecke, Dietmar; Pfaff, Klaus; and Grigo, Dietrich, 4,825,643, Cl. 60-39.750.

Pfaff, Martin: *See*—

Burghardt, Franz; Abendroth, Bernd; and Pfaff, Martin, 4,849,038, Cl. 156-172.000.

Pfaff, Wayne K. Zero insertion force mounting housings for electronic device packages. 4,808,119, 2-28-89, Cl. 439-268.000.

Pfaff, Wayne K. Cradle for electronic device package. 4,869,674, 9-26-89, Cl. 439-70.000.

Pfaffle, Ernst, to Sickinger Company. Semi-automatic binder. 4,874,279, 10-17-89, Cl. 412-39.000.
Pfaffmann, George D.: *See—*
Mucha, George M.; Alexander, Jonathan W.; Pfaffmann, George D.; and McKelvey, Richard H., 4,816,633, Cl. 219-10.410.
Mucha, George M.; Pfaffmann, George D.; and Novorsky, Donald E., 4,855,551, Cl. 219-10.430.
Mucha, George M.; Novorsky, Donald E.; and Pfaffmann, George D., 4,855,556, Cl. 219-105.900.
Pfafman, Neil: *See—*
VanderPol, Jerald; Pfafman, Neil; and Silber, Cory J., 4,802,278, Cl. 30-97.000.
Pfaltzgraff, James R., to Armstrong Manufacturing Company. Method and apparatus for grinding saw teeth. 4,819,515, 4-11-89, Cl. 76-41.000.
Pfaltzgraff, James R., to Armstrong Manufacturing Company. Method and apparatus for tipping teeth of saw blades. 4,864,896, 9-12-89, Cl. 76-25.00R.
Pfalzer, Lothar; and Ortner, Gerhard, to J. M. Voith GmbH. Method for the preparation of waste paper. 4,816,117, 3-28-89, Cl. 162-4.000.
Pfalzgraf, Emile. Mounting device having a conical shank. 4,840,520, 6-20-89, Cl. 409-232.000.
Pfalzgraf, Emile. Apparatus for locking and/or gripping modular attachments of boring heads, boring bars, intermediate members, adapters, tool holders, hydraulic punches, long tongs, or other mechanical members. 4,877,360, 10-31-89, Cl. 409-234.000.
Pfalzgraf, Emile, to Emile Pfalzgraf "EPB", S.A. Device for mounting of toolholders. 4,886,402, 12-12-89, Cl. 409-234.000.
Pfalzgraf, Manfred; Stoll, Bernward; Probst, Kurt; Ohm, Heinz-Friedrich; and Wokan, Andreas, to VDO Adolf Schindling AG. Control apparatus for an injection pump. 4,823,751, 4-25-89, Cl. 123-359.000.
Pfalzgraf, Manfred; and Ungermann, Heinz, to VDO Adolf Schindling AG. Electrical desired-value transmitter, particularly for an electronic gas-pedal system. 4,853,556, 8-1-89, Cl. 307-10.100.
Pfalzgrat, Manfred: *See—*
Hickmann, Gerd; and Pfalzgrat, Manfred, 4,848,297, Cl. 123-342.000.
Pfandler, Peter E.: *See—*
Bodenhausen, Geoffrey; Pfandler, Peter E.; Rapin, Jacques; Gaumann, Tino; and Houriet, Raymond, 4,855,593, Cl. 250-282.000.
Pfanhouser, Wilhelm; and Owren, Joseph H., to Marco Scientific. High-speed full frame imaging CCD camera. 4,851,914, 7-25-89, Cl. 358-213.190.
Pfannekuche, Heinz-Wilhelm: *See—*
Wirz, Peter; Pfannekuche, Heinz-Wilhelm; Bathon, Thomas; and Eckert, Karl, 4,869,802, Cl. 204-298.000.
Pfannenmuller, Beate: *See—*
Heckmann, Klaus; Manecke, Georg; Pfannenmuller, Beate; Ring, Klaus; and Ringsdorf, Helmut, 4,873,033, Cl. 264-41.000.
Pfannkoch, Edward A., to W. R. Grace & Co.-Conn. Method for high pH washing of silica-based chromatographic sorbents. 4,808,233, 2-28-89, Cl. 134-2.000.
Pfannkuche, Heinz; and Schulte, Uwe, to Mannesmann AG. Bus bar joint. 4,859,193, 8-22-89, Cl. 439-115.000.
Pfannkuche, Heinz: *See—*
Schulte, Uwe; and Pfannkuche, Heinz, 4,831,217, Cl. 191-32.000.
Pfanstiel, Erich. Dispensing device for pastes, creams or similar agent of a particularly high viscosity. 4,846,371, 7-11-89, Cl. 222-135.000.
Pfarrhofer, Gerhard: *See—*
Zol, Gerhard; and Pfarrhofer, Gerhard, 4,849,530, Cl. 549-491.000.
Pfarrwaller, Erwin, to Sulzer Brothers Limited. Gripper projectile. 4,846,232, 7-11-89, Cl. 139-439.000.
Pfarrwaller, Erwin, to Sulzer Brothers Limited. Projectile opener and lift for a projectile loom. 4,883,098, 11-28-89, Cl. 139-439.000.
Pfau, Hans: *See—*
Edenhofer, Bernd; and Pfau, Hans, 4,881,982, Cl. 148-16.500.
Pfau, Jean: *See—*
Simon, Laszlo; and Pfau, Jean, 4,840,652, Cl. 62-534.000.
Pfaudler Companies, Inc., The: *See—*
Nunlist, Erwin J., 4,796,344, Cl. 29-157.00R.
Pfeffer, George B.; and Johnson, Wayne A., to ADC Telecommunications, Inc. Method of manufacturing a light socket. 4,870,753, 10-3-89, Cl. 29-884.000.
Pfeffer, John D.; to A. O. Smith Corporation. Insulated fluid storage unit and method of making. 4,878,482, 11-7-89, Cl. 126-375.000.
Pfeffer, Wilford W. Hydraulic fence post puller. 4,846,445, 7-11-89, Cl. 254-30.000.
Pfefferkorn, Bernd; Pfefferkorn, Hans; and Reiter, Viktor, to Pfefferkorn & Co. GmbH. Bottle closure for champagne bottle and the like having threaded mouths. 4,856,668, 8-15-89, Cl. 215-329.000.
Pfefferkorn & Co. GmbH: *See—*
Pfefferkorn, Bernd; Pfefferkorn, Hans; and Reiter, Viktor, 4,856,668, Cl. 215-329.000.
Pfefferkorn, Dietmar: *See—*
Hoffrichter, Bernd; Pavelka, Bozidar; Pfefferkorn, Dietmar; Schaeffer, Norbert; and Goetz, Klaus, 4,809,928, Cl. 242-199.000.
Pfefferkorn, Glenn A.: *See—*
Pichel, Marlowe A.; McDiarmid, James; Pfefferkorn, Glenn A.; and Cory, Roger P., 4,823,735, Cl. 118-730.000.
Pfefferkorn, Hans: *See—*
Pfefferkorn, Bernd; Pfefferkorn, Hans; and Reiter, Viktor, 4,856,668, Cl. 215-329.000.
Pfefferle, Egon: *See—*
Breuer, Oswald; Rassmann, Christoph; Pfefferle, Egon; and Schoop, Gunther-Dietmar, 4,819,990, Cl. 299-80.000.
Pfefferle, William C. Method of operating catalytic ignition engines and apparatus therefor. 4,811,707, 3-14-89, Cl. 123-272.000.
Pfefferle, William C. Method of operating catalytic ignition cyclic engines. 4,819,595, 4-11-89, Cl. 123-272.000.
Pfefferle, William C. Method for destroying hazardous organics. 4,864,811, 9-12-89, Cl. 60-39.060.
Pfeifer, Charles R., to BASF Corporation. Stain resistant composition for synthetic organic polymer fibers and method of use: fluorocarbon polymer. 4,861,501, 8-29-89, Cl. 252-8.600.
Pfeifer, Hans-Joachim, to Institut Franco-Allemand de Recherches de Saint-Louis. Method for the simultaneous measurement of three velocity components by means of laser doppler anemometry. 4,838,687, 6-13-89, Cl. 356-28.500.
Pfeifer, Heinrich; Reich, Werner; and Winterer, Martin, to Deutsche ITT Industries, GmbH. Digital decimation filter. 4,872,129, 10-3-89, Cl. 364-724.100.
Pfeifer, Josef, to Ciba-Geigy Corporation. Amino-tetraalkylbenzoylphthalic acids. 4,808,732, 2-28-89, Cl. 549-244.000.
Pfeifer, Josef, to Ciba-Geigy Corporation. Material coated with polyamic acid ester. 4,814,233, 3-21-89, Cl. 428-522.000.
Pfeifer, Josef; and Duthaler, Rudolf, to Ciba-Geigy Corporation. Diamino-9,10-dihydroanthracenes and polyamide acid (esters) and polyimides derived therefrom. 4,847,359, 7-11-89, Cl. 528-353.000.
Pfeifer, Josef: *See—*
Rohde, Ottmar; Perret, Andre-Etienne; and Pfeifer, Josef, 4,851,506, Cl. 528-353.000.
Pfeifer, Kurt: *See—*
Vohringer, Gerhard F.; and Pfeifer, Kurt, 4,798,340, Cl. 239-692.000.
Pfeifer & Langen. *See—*
Schwengers, Dieter; and Keller, Ingrid, 4,824,946, Cl. 536-55.100.
Pfeifer, Randy D., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Method of and arrangement for ordering of multiprocessor operations in a multiprocessor system with redundant resources. 4,805,106, 2-14-89, Cl. 364-200.000.
Pfeifer, Randy D.: *See—*
Herrig, Hanz W.; Horn, David N.; Peters, Daniel V.; Pfeifer, Randy D.; and Wilcox, Wayne R., 4,835,737, Cl. 364-900.000.
Pfeifer, Robert F.: *See—*
Foster, Robert I.; Pfeifer, Robert F.; and Mihm, Thomas J., Jr., 4,888,801, Cl. 380-21.000.
Pfeifer, Thomas: *See—*
Hannappel, Joachim; and Pfeifer, Thomas, 4,833,472, Cl. 341-142.000.
Hannappel, Joachim; and Pfeifer, Thomas, 4,836,027, Cl. 73-708.000.
Pfeifer, William; Stahl, Charles J.; and Fair, David C., to Armstrong Store Fixture Corporation. Shelf unit. 4,805,785, 2-21-89, Cl. 211-188.000.
Pfeifer, William: *See—*
Armstrong, Bruce; and Pfeifer, William, 4,805,863, Cl. 248-243.000.
Pfeifer, Wolf D.: *See—*
Manner, Reinhard; Schaefer, Hans; Voight, Carl; and Pfeifer, Wolf D., 4,853,190, Cl. 422-197.000.
Pfeiffer, Bernhard: *See—*
Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,459, Cl. 335-195.000.
Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,460, Cl. 335-201.000.
Pfeiffer, Christian: *See—*
Hanke, Ernst W., 4,869,786, Cl. 209-139.200.
Pfeiffer, Gerhard: *See—*
Gotz, Rainer; Pfeiffer, Gerhard; Knodel, Paul; Scheid, Willi; and Clusserath, Ludwig, 4,827,988, Cl. 141-167.000.
Pfeiffer, Hans; Biermann, Manfred; Schroeder, Peter; Goebel, Gerd; and Mueller, Annemarie, to Henkel Kommanditgesellschaft auf Aktien. Process for obtaining a pepper extract with insecticidal activity. 4,820,517, 4-11-89, Cl. 424-195.100.
Pfeiffer, Hans C.: *See—*
Davis, Donald E.; Doran, Samuel K.; Perkins, Merlyn H.; and Pfeiffer, Hans C., 4,818,885, Cl. 250-492.200.
Golladay, Steven D.; Hohn, Fritz J.; and Pfeiffer, Hans C., 4,843,330, Cl. 324-158.00R.
Groves, Timothy R.; Pfeiffer, Hans C.; Stickel, Werner; and Sturans, Maris A., 4,859,856, Cl. 250-398.000.
Pfeiffer, Herbert: *See—*
Guilino, Gunther; and Pfeiffer, Herbert, 4,856,889, Cl. 351-1[illegible]00.
Pfeiffer, Joachim; Guenther, Werner; Muether, Manfred; and Heubeck, Erich, to Siemens Aktiengesellschaft. Dental x-ray diagnostics installation for producing panorama slice exposures of the jaw of a patient. 4,878,234, 10-31-89, Cl. 378-40.000.
Pfeiffer, Klaus; Pieper, Andreas; Scholz, Hans-Jurgen; Jahn, Walter; and Gimbel, Jurgen, to Daimler-Benz Aktiengesellschaft. Device for automatically adjusting and locking the height of a deflection fitting of a safety belt in vehicles. 4,795,191, 1-3-89, Cl. 280-808.000.
Pfeiffer, Loren N.; and West, Kenneth W., to American Telephone Telegraph Company, AT&T Bell Laboratories. Apparatus comprising a high-vacuum chamber. 4,873,833, 10-17-89, Cl. 62-55.500.
Pfeiffer, Martin: *See—*
Epple, Anton; Trube, Hans; and Pfeiffer, Martin, 4,817,236, Cl. 15-250.340.
Pfeiffer-Meshaw, Barbara A.: *See—*
Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., 4,797,315, Cl. 428-167.000.
Balmer, Richard H.; and Pfeiffer-Meshaw, Barbara A., 4,881,999, Cl. 156-231.000.

Pfeiffer, Michael, to Michael Pfeiffer Design und Marketing GmbH. Lockable portable container, especially suitcase, board case, file case, file case or the like. 4,852,371, 8-1-89, Cl. 70-70.000.
Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, to Sotralentz S.A. Outlet device for a fluid container. 4,817,811, 4-4-89, Cl. 220-85.0SP.
Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, to Sotralentz S.A. Cover assembly for a drum composed of synthetic resin. 4,880,138, 11-14-89, Cl. 220-320.000.
Pfeiffer, Pierre: *See—*
Jungels, Erwin; Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,795,057, Cl. 220-401.000.
Pfeiffer, Ruediger, to Robert Bosch GmbH. Control circuit for running a polyphase synchronous motor in a d-c voltage network. 4,833,387, 5-23-89, Cl. 318-723.000.
Pfeiffer, Stanley: *See—*
Williamson, Edward; and Pfeiffer, Stanley, 4,840,771, Cl. 422-104.000.
Pfeiffer, Ugo: *See—*
Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,824,861, Cl. 514-425.000.
Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, 4,868,313, Cl. 549-544.000.
Pfeiffer, Ugo C.: *See—*
Pinza, Mario; and Pfeiffer, Ugo C., 4,797,496, Cl. 548-544.000.
Pfeiffer, Wilfried G.: *See—*
Elff, Manfred; Pfeiffer, Wilfried G.; Schwieker, Horst-Hartwig; and Christiansen, Dieter H. C., 4,872,193, Cl. 378-196.000.
Pfeifle, Helmut: *See—*
Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, 4,805,580, Cl. 123-506.000.
Pfeil, Dirk: *See—*
Dietrich, Christian; Hennecke, Dieter; Losch, Simon; and Pfeil, Dirk, 4,805,101, Cl. 364-424.010.
Pfeil, Hans-Dieter: *See—*
Hoffmann, Erwin; Pfeil, Hans-Dieter; Dietrich, Werner; and Bock, Rolf, 4,804,425, Cl. 156-73.600.
Pfeiler, Manfred: *See—*
Noske, Erich; Pfeiler, Manfred; and Reichenberger, Helmut, 4,836,191, Cl. 128-24.00A.
Pfender, Emil, to University of Minnesota, Regents of the. Multiple arc plasma device with continuous gas jet. 4,818,837, 4-4-89, Cl. 219-121.510.
Pfendler, Klaus: *See—*
Feigel, Josef; and Pfendler, Klaus, 4,841,186, Cl. 310-156.000.
Pfeng, Enrique: *See—*
Spohr, Reimar; Pfeng, Enrique; Burckner, Dieter; and Popp, Thomas, 4,826,292, Cl. 350-321.000.
Pfenning, Thomas E.: *See—*
Tatge, Robert J.; and Pfenning, Thomas E., 4,830,642, Cl. 55-273.000.
Pfenninger, Heinz, to Ciba-Geigy Corporation. Process for treating aqueous fluids containing organic compounds and salts of polyvalent inorganic acids. 4,889,633, 12-26-89, Cl. 210-639.000.
Pfenninger, Heinz: *See—*
Flierl, Klaus; Pfenninger, Heinz; and Marfurt, Hans-Rudolf, 4,810,390, Cl. 210-650.000.
Pfenninger, Johannes: *See—*
Wallquist, Olof; Iqbal, Abul; Pfenninger, Johannes; and Rochat, Alain C., 4,810,802, Cl. 548-453.000.
Pfennings, Leonardus C.; Veendrick, Hendrikus J.; and Van Zanten, Adrianus T., to U. S. Philips Corporation. Integrated electronic multiplex circuit. 4,817,090, 3-28-89, Cl. 370-112.000.
Pfennings, Leonardus C. M. G., to U.S. Philips Corporation. Integrated memory circuit having complementary bit line charging. 4,823,319, 4-18-89, Cl. 365-189.000.
Pfennings, Leonardus C. M. G., to U.S. Philips Corp. Integrated memory circuit having a block selection circuit. 4,849,943, 7-18-89, Cl. 365-230.030.
Pfennings, Leonardus C. M. G.; and Steenhof, Frits A., to U.S. Philips Corp. Charge-coupled device with varible storage capacity and constant clock frequency. 4,868,665, 9-19-89, Cl. 358-213.260.
Pfertzel, Roger; and Quenault, Maurice, to Societe Technique pour l'Energie Atomique Technicatome. Process for the processing of fluids containing suspended particles. 4,820,426, 4-11-89, Cl. 210-779.000.
Pfiester, James R.; and Baker, Frank K., to Motorola, Inc. Compact multi-state ROM cell. 4,811,066, 3-7-89, Cl. 357-23.500.
Pfiester, James R.; Parrillo, Louis C.; and Dockrey, J. William, to Motorola, Inc. Micron and submicron patterning without using a lithographic mask having submicron dimensions. 4,812,418, 3-14-89, Cl. 437-069.000.
Pfiester, James R.; and Yeargain, John R., to Motorola, Inc. CMOS salicide process using germanium implantation. 4,835,112, 5-30-89, Cl. 437-24.000.
Pfiester, James R., to Motorola, Inc. Ram cell having trench sidewall load. 4,835,589, 5-30-89, Cl. 357-51.000.
Pfiester, James R., to Motorola, Inc. Process for providing isolation between CMOS devices. 4,847,213, 7-11-89, Cl. 437-24.000.
Pfiester, James R., to Motorola, Inc. Salicided source/drain structure. 4,876,213, 10-24-89, Cl. 437-34.000.
Pfiester, James R.: *See—*
Alvis, John R.; Pfiester, James R.; and Holland, Orin W., 4,837,173, Cl. 437-024.000.
Baker, Frank K.; Pfiester, James R.; and Hart, Charles F., 4,852,062, Cl. 365-185.000.
Pfister GmbH: *See—*
Hafner, Hans W., 4,827,240, Cl. 338-2.000.
Hafner, Hans W., 4,830,399, Cl. 280-707.000.
Hafner, Hans W., 4,832,140, Cl. 177-134.000.
Hafner, Hans W., 4,848,478, Cl. 177-50.000.
Hafner, Hans W., 4,864,874, Cl. 73-862.380.
Harald, Schneider; Mayer, Helmut; and Hafner, Hans W., 4,843,873, Cl. 73-147.000.
Pfister, Gregory F.: *See—*
Anthony, John H.; Brantley, William C., Jr.; McAuliffe, Kevin P.; Norton, Vern A.; and Pfister, Gregory F., 4,885,680, Cl. 364-200.000.
Pfister, James H., Jr.: *See—*
Montreuil, Kent B.; Palmejar, Gary A.; and Pfister, James H., Jr., 4,815,783, Cl. 215-228.000.
Pfister, Jorg: *See—*
Maurer, Peter; Pfister, Jorg; and Sauter, Wolfgang, 4,858,287, Cl. 28-172.000.
Pfister, Juergen: *See—*
Steiner, Gerd; Pfister, Juergen; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,866,057, Cl. 514-215.000.
Pfister, Jurg R.; Davis, Roman; and Lee, Chi-Ho, to Syntex (U.S.A.) Inc. Arylsulfonyl dihydropyridine derivatives. 4,889,866, 12-26-89, Cl. 514-347.000.
Pfister, Larry E.: *See—*
Biber, Herbert E.; Kim, Chang D.; and Pfister, Larry E., 4,822,457, Cl. 204-28.000.
Pfister, Norbert, to Hilti Aktiengesellschaft. Carrier strip. 4,881,643, 11-21-89, Cl. 206-343.000.
Pfister, Ralph E.: *See—*
Griffin, Donald L.; and Pfister, Ralph E., 4,861,658, Cl. 428-336.000.
Romberg, Val G.; Kiang, Patty H.; Curry, Wayne T.; and Pfister, Ralph E., 4,882,210, Cl. 428-34.700.
Pfister, Theodor: *See—*
Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.
Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., 4,802,910, Cl. 71-93.000.
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Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,844,730, Cl. 71-93.000.
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  - Desai, Mahesh; and Molinaro, Frank, 4,867,986, Cl. 424-464.000.
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  - Arfors, Karl E., 4,797,277, Cl. 424-85.800.
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  - Bergman, Per O.; Steen, Yvonne M.; and Ingelman, Bjorn G., 4,804,537, Cl. 424-105.000.
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  - de Belder, Anthony N.; Ahrgren, Leif G.; and Malson, Tomas, 4,814,437, Cl. 536-18.700.
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  - Paley, Robert M., 4,844,110, Cl. 137-1.000.
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- Phelps Dodge Industries, Inc.: *See—*
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  - Kauffman, John C.; and Westenfeld, Richard A., 4,888,071, Cl. 156-50.000.
  - Lindvay, Michael W.; Knerr, Allan R.; and Sollner, George H., 4,849,465, Cl. 524-736.000.
  - Rorick, Donald E.; Hayes, Frank M.; and Aspy, Robert O., 4,856,731, Cl. 242-158.00R.

Phelps, Douglas W., Jr.; Redmond, Robert J.; and Ward, William C., to International Business Machines Corporation. Peripheral/area wire bonding technique. 4,796,078, 1-3-89, Cl. 357-68.000.
Phelps, Douglas W., Jr.; and Ward, William C., to International Business Machines Corporation. Heat dissipation package for integrated circuits. 4,878,108, 10-31-89, Cl. 357-81.000.
Phelps, Douglas W., Jr.: *See—*
  Chase, Judith A.; Phelps, Douglas W., Jr.; Redmond, Robert J.; and Starr, Stephen G., 4,821,945, Cl. 228-179.000.
  Pashby, Richard P.; Phelps, Douglas W., Jr.; Samuelsen, Sigvart J.; and Ward, William C., 4,862,245, Cl. 357-70.000.
Phelps, Elmer B.: *See—*
  Bianchi, Raymond A.; Kistner, David; Oswald, Joseph; and Phelps, Elmer B., 4,852,662, Cl. 173-119.000.
  Eftefield, Larry G.; and Phelps, Elmer B., 4,867,253, Cl. 173-124.000.
Phelps Engineering Company, Inc.: *See—*
  Manning, Douglas E., 4,807,748, Cl. 206-386.000.
Phelps, James E., to United States of America, Energy. Packet personal radiation monitor. 4,857,739, 8-15-89, Cl. 250-388.000.
Phelps, John Y., III. Contraceptive device. 4,821,742, 4-18-89, Cl. 128-842.000.
Phelps, Mary E.: *See—*
  DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847,012, Cl. 260-397.200.
Phelps, Richard A.: *See—*
  Lorence, Brian S.; and Phelps, Richard A., 4,794,668, Cl. 16-125.000.
Phelps, Stephen R.: *See—*
  Wells, D. Phillips; and Phelps, Stephen R., 4,860,531, Cl. 57-234.000.
Phelpstead, James W. P., to British-American Tobacco Company Limited. Smoking articles. 4,838,286, 6-13-89, Cl. 131-360.000.
Phenegar, John S. Toothbrush. 4,829,621, 5-16-89, Cl. 15-172.000.
Phenicie, Ronald W.: *See—*
  Thompson, Marvin W.; Scott, James A.; Jennings, Timothy C.; Neves, Joseph; Phenicie, Ronald W.; and Murphy, Margaret H., 4,813,542, Cl. 206-504.000.
  Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,819,567, Cl. 108-38.000.
  Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., 4,874,266, Cl. 403-407.100.
Pheoll Manufacturing Company, Inc.: *See—*
  Adamek, Stanley C., 4,844,676, Cl. 411-386.000.
Phi Technologies, Inc.: *See—*
  DeBell, Lawrence R., 4,813,014, Cl. 365-45.000.
Phifer, Edward H.: *See—*
  Kopp, Frans; and Phifer, Edward H., 4,810,133, Cl. 405-168.000.
Philby, Johnathan D.: *See—*
  Adams, David R.; Philby, Johnathan D.; Pope, Alan D.; Spence, David F.; and Eastham, David R., 4,830,719, Cl. 204-129.460.
Philibert, Daniel: *See—*
  Jouquey, Alain; Philibert, Daniel; Moguilewsky, Martine; and Veltz, Jean-Noel, 4,865,767, Cl. 260-397.450.
  Nique, Francois; Nedelec, Lucien; Bouton, Marie-Madeleine; and Philibert, Daniel, 4,874,754, Cl. 514-178.000.
Philibert, Jean-Claude: *See—*
  Taillefert, Raymond; and Philibert, Jean-Claude, 4,810,452, Cl. 264-247.000.
Philip Morris Incorporated: *See—*
  Banyasz, Joseph L.; Burton, Aubrey T.; LaRoy, Bernard C.; and Lowitz, David A., 4,890,053, Cl. 324-58.50A.
  Brookman, Donald L.; Merrill, David E.; and Grollimund, Everett C., 4,840,694, Cl. 156-344.000.
  Campbell, Christopher J., 4,850,482, Cl. 206-273.000.
  Fleischhauer, Grier S.; and Honaker, Ronald D., 4,795,411, Cl. 493-43.000.
  Garthaffner, Martin T.; Keen, Billy J., Jr.; Fleischhauer, Grier S.; and Horaker, Ronald D., 4,817,638, Cl. 131-29.000.
  Grollimund, Everett C.; Brookman, Donald L.; and Spiers, Steven F., 4,821,972, Cl. 242-56.00R.
  Howe, Charles R.; Southwick, Everett W.; and Cox, Richard H., 4,872,917, Cl. 131-275.000.
  Lephardt, John O., 4,836,378, Cl. 206-459.000.
  Patron, Gregorio I.; Nichols, Walter A.; Gauvin, Paul N.; and Sprinkel, Francis M., Jr., 4,848,375, Cl. 131-335.000.
  Pletcher, Charles D., 4,839,602, Cl. 324-57.00Q.
  Podraza, Kenneth F.; and Houminer, Yoram, 4,872,918, Cl. 131-277.000.
  Roncero, Jose I., 4,843,801, Cl. 53-492.000.
  Sprinkel Jr., Francis M., 4,869,276, Cl. 131-361.000.
  Sweeney, William R., 4,850,749, Cl. 406-62.000.
  Tamol, Ronak' A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Burnett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., 4,874,000, Cl. 131-375.000.
  Wheless, Jack C., 4,807,738, Cl. 198-377.000.
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  Williams, David L.; Southwick, Everett W.; and Houminer, Yoram, 4,859,775, Cl. 544-405.000.
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  Gulla, Michael; Foust, Donald F.; and Philipose, George K., 4,810,333, Cl. 204-15.000.
Philipp, Gabriel. Power transmission system particularly useful for bicycles. 4,816,009, 3-28-89, Cl. 474-69.000.
Philipp, Harald. Energy field sensor using summing means. 4,879,461, 11-7-89, Cl. 250-221.000.
Philipp, Karl-Heinz: *See—*
  Ludwig, Albert; Philipp, Karl-Heinz; Hartl, Gerhard; Jarosch, Berthold; and Greger, Horst, 4,844,230, Cl. 194-335.000.
Philipp, Leo; Thuer, Ernst; and Ehmig, Gerhard, to Hilti Aktiengesellschaft. Explosive powder charge operated fastening element setting device. 4,883,211, 11-28-89, Cl. 227-9.000.
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Philipp, Matthias: *See—*
  Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
Philippe, Jean J.: *See—*
  Vuillet, Alain E.; Philippe, Jean J.; and Desopper, Andre, 4,880,355, Cl. 416-228.000.
Philippe, Joseph; and Perrochat, Jean-Michel, to S.A.M.M. - Societe d'Applications des Machines Motrices. Hydropneumatic jack. 4,859,006, 8-22-89, Cl. 305-10.000.
Philippe, Joseph: *See—*
  Arnaud, Alain; Perrochat, Jean-Michel; and Philippe, Joseph, 4,858,736, Cl. 188-322.140.
Philippe, Maige, to SGS-Thomson Microelectronics S.A. Demagnetization monitoring device for a switching power supply with a primary and a secondary regulation. 4,885,673, 12-5-89, Cl. 363-21.000.
Philippe, Michel; Sebag, Henri; Leger, Didier S.; and Leveque, Jean L., to L'Oreal. Quaternary ammonium retinoates, their use in cosmetics and in dermopharmacy. 4,857,525, 8-15-89, Cl. 514-227.500.
Philippe, Patrick, to Neiman. Infrared transmitter of coded message having fixed code and large number of combinations. 4,850,046, 7-18-89, Cl. 455-608.000.
Philippe, Perrier; and Didier, Lapeyre, to Avions Marcel Dassault-Breguet Aviation, a part interest. Prosthetic cardiac valve. 4,820,299, 4-11-89, Cl. 623-2.000.
Philippi, Randy J. Operator powered skateboard. 4,807,896, 2-28-89, Cl. 280-243.000.
Philippot, Jean: *See—*
  Wallach, Donald F. H.; and Philippot, Jean, 4,853,228, Cl. 424-450.000.
Philippson, Walter M.; Brennan, Robert J.; and Meighen, Terrence, to Stewart Stamping Corporation. Shielded plug and jack connector. 4,889,503, 12-26-89, Cl. 439-610.000.
Philips, Albert R., deceased: *See—*
  Vasquez, Peter; Hutto, William R.; and Philips, Albert R., deceased, 4,865,114, Cl. 164-284.000.
Philips, Charles M.: *See—*
  Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Troisi, Michael R., 4,866,998, Cl. 73-866.500.
Philips, Dora M., executrix: *See—*
  Vasquez, Peter; Hutto, William R.; and Philips, Albert R., deceased, 4,865,114, Cl. 164-284.000.
Philips & Du Pont Optical Company: *See—*
  Huberts, Petrus A. A., 4,856,766, Cl. 269-21.000.
Philips & DuPont Optical Company: *See—*
  Koop, Hermann; and Pechtheiden-Meier, Claudia, 4,861,437, Cl. 204-5.000.
  Kurkowski, Frank; and Lucht, Manfred, 4,852,327, Cl. 53-201.000.
Philips Electronic: *See—*
  Dyson, Clive M., 4,801,802, Cl. 250-330.000.
Philips Electronics and Associated Industries Limited: *See—*
  Wotherspoon, John T. M., 4,859,851, Cl. 250-334.000.
Philips, Gerald J. Method and apparatus for determining the size of defects in rolling element bearings with high frequency capability. 4,814,603, 3-21-89, Cl. 250-227.000.
Philips, Gerald J. Encapsulated motion transducer. 4,826,322, 5-2-89, Cl. 356-373.000.
Philips, Gerald J. Method and apparatus for determining the size of defects in rolling element bearings with high frequency capability. 4,870,271, 9-26-89, Cl. 250-231.00R.
Philips Home Products, Inc.: *See—*
  Meyer, Lawrence L., 4,845,793, Cl. 15-328.000.
Philips Industrial Components Inc.: *See—*
  Van Becelaere, Robert M., 4,848,653, Cl. 236-49.300.
Philips Kommunikations Industrie A: *See—*
  Starke, J. Peter; Levacher, Friedrich K.; and Federmann, Helmut, 4,840,480, Cl. 356-32.000.
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  Grauel, Christoph; and Schmidt, Werner, 4,815,073, Cl. 370-95.000.
Philips Petroleum Co.: *See—*
  Megee, Bryan A.; and Whiteside, James D., II, 4,860,783, Cl. 137-268.000.
Philips S.p.A.: *See—*
  Negri, Cesare; Bonini, Giorgio; and Libe, Giorgio, 4,802,407, Cl. 99-453.000.
Philla, Arlene J.: *See—*
  Grendol, Clark L.; and Philla, Arlene J., 4,810,080, Cl. 351-41.000.
Phillipeaux, Eddy J.; and Ehlers, Gerald L. Flash condition indicator device for cameras. 4,816,850, 3-28-89, Cl. 354-127.100.
Phillippi, Martin A.: *See—*
  Garrison, Robert A.; and Phillippi, Martin A., 4,810,331, Cl. 204-1.00T.
Phillippi, R. Michael; and Manion, Francis M., to United States of America, Army. Technique for null balancing fluidic circuits. 4,856,338, 8-15-89, Cl. 73-701.000.
Phillipps, Gordon H.; Dyke, Stanley F.; Bailey, Esme J.; Howes, Peter D.; and Scopes, David I. C., to Glaxo Group Limited. Isoquinoline derivatives. 4,835,158, 5-30-89, Cl. 514-279.000.
Phillipps, Gordon H.; Jones, Paul S.; and Cooper, Martin E., to Glaxo Group Limited. Isoquinoline derivatives and their use as anti-cancer agents. 4,851,399, 7-25-89, Cl. 514-80.000.
Phillipps, Gordon H.: *See—*
  Dyke, Stanley F.; and Phillipps, Gordon H., 4,831,039, Cl. 514-283.000.
Phillipps, Malcolm W., to Philmac Pty. Ltd. Tube connector. 4,822,082, 4-18-89, Cl. 285-334.100.
Phillips, Alan C.; and O'Brien, Terence J., to Etak, Inc. Two-axis differential capacitance inclinometer. 4,811,491, 3-14-89, Cl. 33-366.000.
Phillips, Alan C.; O'Brien, Terence J.; and Taylor, Charles S., to Etak, Inc. Two-axis angular rate gyroscope. 4,811,613, 3-14-89, Cl. 74-5.60D.
Phillips, Alan C.: *See—*
  Honey, Stanley K.; Zavoli, Walter B.; Milnes, Kenneth A.; Phillips, Alan C.; White, Marvin S., Jr.; and Loughmiller, George E., Jr., 4,796,191, Cl. 364-450.000.
Phillips, Allyn E.: *See—*
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Phillips, Billy R.: *See—*
  Peoples, John R.; and Phillips, Billy R., 4,844,380, Cl. 244-3.220.
Phillips, Bobby M.; and Casey, James O., to Eastman Kodak Company. Continuous filament yarn having spun-like or staple-like character. 4,829,761, 5-16-89, Cl. 57-248.000.
Phillips, Bobby M.: *See—*
  Bagrodia, Shriram; and Phillips, Bobby M., 4,842,792, Cl. 264-130.000.
Phillips, Bradley A.: *See—*
  Harris, Clark E.; Armbruster, Randy; Decker, Michael; and Phillips, Bradley A., 4,852,821, Cl. 242-71.800.
Phillips, Bradway F. Secondary ion mass spectrometer. 4,800,273, 1-24-89, Cl. 250-288.000.
Phillips, Brian: *See—*
  Freiling, Michael J.; Alexander, James H.; Phillips, Brian; and Messick, Steven L., 4,816,994, Cl. 364-200.000.
Phillips, Brian D.: *See—*
  Cloetens, Rudolphe C.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,871,783, Cl. 521-137.000.
  Fis, Joelle Y.; Lidy, Werner A.; Phillips, Brian D.; and Thomas, David B., 4,843,106, Cl. 521-107.000.
Phillips, Brian T.: *See—*
  Hartman, George D.; Halczenko, Wasyl; and Phillips, Brian T., 4,808,718, Cl. 546-14.000.
Phillips & Brooks, Inc.: *See—*
  Jekot, David E.; and Jordan, Harold W., 4,862,499, Cl. 379-368.000.
Phillips, Burton K. Radiation detector and monitor. 4,864,139, 9-5-89, Cl. 250-367.000.
Phillips, Charles A.: *See—*
  Fullerton, Larry W., 4,813,057, Cl. 375-37.000.
Phillips, Charles B. Ride-on vehicle. 4,811,971, 3-14-89, Cl. 280-87.041.
Phillips, Charles W.: *See—*
  Moskowitz, David; and Phillips, Charles W., 4,859,124, Cl. 409-64.000.
  Moskowitz, David; and Phillips, Charles W., 4,880,600, Cl. 419-12.000.
  Moskowitz, David; and Phillips, Charles W., 4,885,030, Cl. 75-238.000.
Phillips, Clarence W.; Phillips, William F.; and Jacobus, Gerry A., to Active English Information Systems, Inc. Expert information system and method for decision record generation. 4,835,683, 5-30-89, Cl. 364-200.000.
Phillips, Dale L.: *See—*
  Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.
  Marsh, Richard A.; Brand, Gary J.; Poirier, David C.; Phillips, Dale L.; and Hamade, Sami M., 4,809,660, Cl. 123-417.000.
Phillips, Daniel B. Coaxial cable cutter/stripper. 4,835,862, 6-6-89, Cl. 30-90.100.
Phillips, Danny: *See—*
  Cleavelin, Cloves R.; and Phillips, Danny, 4,839,010, Cl. 204-192.280.
Phillips, David L.; and Smith, Larry N., to Deere & Company. Offset reel arrangement for triplex greens mower. 4,866,917, 9-19-89, Cl. 56-7.000.
Phillips, Donald A. Adjustment lock. 4,840,529, 6-20-89, Cl. 411-397.000.
Phillips, Donald E.; and Jobe, Gregory A., to Rockwell International Corporation. Circuit providing improved lock-in for a phase-locked loop. 4,801,896, 1-31-89, Cl. 331-25.000.
Phillips, E. Lakin; and Romero, Bernardino. Method of playing a magnetic checkers game. 4,861,039, 8-29-89, Cl. 273-239.000.
Phillips, E. Lakin: *See—*
  Romero, Bernardino S., Sr.; and Bayes, Bruce D., 4,865,344, Cl. 280-242.000.
Phillips, Eddie; Harville, Dyle; Lee, Mildred; Kirby, Danny; Ellison, Kathleen; Smithy, Mary J.; McNutt, Eugene; Gholston, Yvonne; Brewer, Jim; and McClure, Charles. Safety nut assembly for backstand apparatus. 4,887,774, 12-19-89, Cl. 242-58.600.
Phillips, Edwin D. Connector for tapered glass joints. 4,877,270, 10-31-89, Cl. 285-18.000.
Phillips, Emyr; O'Neil, Robert M.; and Wirth, Hermann O., to Ciba-Geigy Corporation. Nitrogen-containing additives for non-aqueous functional fluids. 4,859,354, 8-22-89, Cl. 252-47.500.
Phillips, Emyr: *See—*
  Camenzind, Hugo; and Phillips, Emyr, 4,803,001, Cl. 252-47.000.
  Camenzind, Hugo; and Phillips, Emyr, 4,810,399, Cl. 252-47.000.
Phillips, Floyd L., Jr.: *See—*
  Allen, John S.; Butler, John P.; and Phillips, Floyd L., Jr., 4,852,734, Cl. 206-273.000.
Phillips, Fred H.: *See—*
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Phillips, Gareth T.: *See—*
  Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
Phillips, George E., to Brunswick Corporation. Sealed fuse holder. 4,836,802, 6-6-89, Cl. 439-622.000.
Phillips, George E., to Brunswick Corporation. Exhaust heated induction air for two-cycle engine. 4,846,136, 7-11-89, Cl. 123-556.000.
Phillips, Gerald: *See—*
  Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Goldman, Terry, 4,804,012, Cl. 137-343.000.
  Goldman, Jerome; Goldman, Marvin; Phillips, Gerald; and Sauerman, Eric, 4,820,556, Cl. 428-7.000.
Phillips, Gerald W.: *See—*
  Devon, Thomas J.; Phillips, Gerald W.; Puckette, Thomas A.; Stavinoha, Jerome L., Jr.; and Vanderbilt, Jeffrey J., 4,824,977, Cl. 556-21.000.
  Devon, Thomas J.; Phillips, Gerald W.; Puckette, Thomas A.; Stavinoha, Jerome L.; and Vanderbilt, Jeffrey J., 4,851,581, Cl. 568-17.000.
  Puckette, Thomas A.; Devon, Thomas J.; Phillips, Gerald W.; and Stavinoha, Jerome L., 4,879,416, Cl. 568-13.000.
Phillips, Greg: *See—*
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Phillips, James G., Jr.; Harlow, Joanne; and Clanton, James M., to Burlington Industries, Inc. Headwear with face tunnel for cold weather environment. 4,823,407, 4-25-89, Cl. 2-202.000.
Phillips, James G., Jr.; Oberg, Sven E.; and Wilder, Cynthia D., to Burlington Industries, Inc. Cold weather footwear. 4,845,862, 7-11-89, Cl. 36-83.000.
Phillips, James G., Jr.: *See—*
  Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,843,647, Cl. 2-69.000.
  Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., 4,887,317, Cl. 2-243.00R.
Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., to Burlington Industries, Inc. Cold weather system. 4,843,647, 7-4-89, Cl. 2-69.000.
Phillips, James G., Sr.; Phillips, James G., Jr.; Harlow, Joanne; and Scott, Gordon K., to Burlington Industries, Inc. Cold weather system. 4,887,317, 12-19-89, Cl. 2-243.00R.
Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, to Richardson & Associates, Ltd. Cardio-valve assist unit and method for performing cardio-valve replacement surgery. 4,834,097, 5-30-89, Cl. 128-334.00R.
Phillips, James L., to Essex Group, Inc. Magnet wire oven control apparatus. 4,839,818, 6-13-89, Cl. 364-477.000.
Phillips, James L.; Richardson, Dale W.; and Silverman, Lawrence M., to Richardson & Associates, Ltd. Device for cleaning electric knives. 4,852,200, 8-1-89, Cl. 15-104.00R.
Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, to International Research & Development Corporation. Cardio-valve assist unit and method for performing cardio-valve replacement surgery. 4,878,494, 11-7-89, Cl. 128-334.00R.
Phillips, James L.: *See—*
  Graham, Randall C.; and Phillips, James L., 4,808,971, Cl. 340-521.000.
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  Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Silvester, Lenard F., 4,844,993, Cl. 429-50.000.
  Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Sylvester, Lenard F., 4,863,815, Cl. 429-94.000.
  Chang, On-Kok; Hall, John C.; Phillips, Jeffrey; and Silvester, Lenard F., 4,873,158, Cl. 424-61.000.
Phillips, Jeremy F. L. Sharpening device. 4,850,149, 7-25-89, Cl. 51-102.000.
Phillips, Jerry G. Compact board game turntable. 4,834,390, 5-30-89, Cl. 273-280.000.

Phillips, John C.: *See—*
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Phillips, Kirby: *See—*
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Phillips, Laurent M. Sailboard steering arrangement. 4,850,916, 7-25-89, Cl. 441-74.000.
Phillips, Mark I.: *See—*
Brearley, Malcolm; Phillips, Mark I.; Prescott, Robert D.; and Ross, Colin F., 4,852,953, Cl. 303-111.000.
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Phillips, Michael R. Underground control housing. 4,876,629, 10-24-89, Cl. 361-391.000.
Phillips, Morris J., to Honeywell, Inc. Integrated acoustic receiver or projector. 4,866,683, 9-12-89, Cl. 367-157.000.
Phillips, Nicholas J., to Holtronic Technologies Limited. Manufacture of integrated circuits using holographic techniques. 4,857,425, 8-15-89, Cl. 430-1.000.
Phillips, Patrick A., to Vesta Technology, Ltd. Incineration system for the destruction of hazardous wastes. 4,843,979, 7-4-89, Cl. 110-215.000.
Phillips, Paul A.: *See—*
Groover, Phillip B.; and Phillips, Paul A., 4,823,983, Cl. 221-92.000.
Phillips, Paul M. Apparatus for shaving elongate metal stock. 4,799,300, 1-24-89, Cl. 29-33.00F.
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Phillips Petroleum Company: *See—*
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Hutter, Charles G., III; and Hill, Raymond R., 4,813,368, Cl. 116-67.00R.
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Hutter, Charles G., III, 4,842,912, Cl. 428-65.000.
Physicians' Pharmaceutical Services, Inc.: *See—*
Biava, Richard D.; and Whelan, Andrew J., 4,799,712, Cl. 282-1.00A.
Physik Instrumente (PI) GmbH Produktions & Marketing KG: *See—*
Marth, Harry, 4,835,434, Cl. 310-328.000.
Physio-Control Corporation: *See—*
Cheung, Peter W.; Gauglitz, Karl F.; Mason, Lee R.; Prosser, Stephen J.; Smith, Robert E.; Wagner, Darrell O.; and Hunsaker, Scott W., 4,819,646, Cl. 128-633.000.
Craig, Kenneth C., Jr.; Gauglitz, Karl F.; Losh, G. Michael; Mason, Lee R.; Nova, Richard C.; Taylor, James W.; and Prosser, Stephen J., 4,869,253, Cl. 128-633.000.
Prosser, Stephen J.; and Smith, Robert E., 4,859,056, Cl. 356-41.000.
Smith, Robert E., 4,800,495, Cl. 364-413.030.

Physionic Gesellschaft fur Medizin-und, Systemtechnik GmbH: *See—*
Zerbst, Ekkehard; Peters, Tim; and Koralewski, Hans-Eberhard, 4,850,994, Cl. 604-198.000.
Pi Electronics Corporation: *See—*
Gil, Asher, 4,868,757, Cl. 364-464.030.
PIAA Corporation: *See—*
Kamaya, Masashi, 4,817,838, Cl. 224-319.000.
Piacenti, Frank; and Ferrante, Pat, to Emhart Industries, Inc. Threaded fastener. 4,812,095, 3-14-89, Cl. 411-188.000.
Piacentino, Thomas J., Jr.: *See—*
Pacentino, Thomas J.; Piacentino, Thomas J., Jr.; and Rosenbloom, Howard, 4,828,399, Cl. 366-345.000.
Piaggio & C. S.p.A.: *See—*
Dianda, Aldo, 4,813,921, Cl. 474-8.000.
Montano, Giacomo, 4,817,749, Cl. 180-119.000.
Montano, Giacomo, 4,829,972, Cl. 123-599.000.
Nuti, Marco, 4,829,967, Cl. 123-506.000.
Nuti, Marco, 4,850,455, Cl. 188-2.00D.
Piaguet, Jean: *See—*
Demay, Yves; Gailliard, Jean-Pierre; Million, Alain; and Piaguet, Jean, 4,813,373, Cl. 118-726.000.
Pialet, Joseph W.: *See—*
DiBiase, Stephen A.; and Pialet, Joseph W., 4,800,031, Cl. 252-47.500.
Piana, Ivana; and Piana, Silvano, to Grafoplast S.p.A. Electric cable terminal consisting of two independent elements to be assembled by axial sliding. 4,861,280, 8-29-89, Cl. 439-491.000.
Piana, Ivana; and Piana, Silvano, to Graphoplast S.p.A. Open sleeve support for wire marking elements with snap lock. 4,876,810, 10-31-89, Cl. 40-316.000.
Piana, Maurizio; and Manservisi, Renato, to SASIB S.p.A. Rod deflecting and breaking device in a cigarette making machine. 4,852,586, 8-1-89, Cl. 131-84.100.
Piana, Silvano: *See—*
Piana, Ivana; and Piana, Silvano, 4,861,280, Cl. 439-491.000.
Piana, Ivana; and Piana, Silvano, 4,876,810, Cl. 40-316.000.
Piane Caterers, Inc.: *See—*
Piane, Robert A., Sr., 4,873,921, Cl. 99-422.000.
Piane, Robert A., Sr., to Piane Caterers, Inc. Multiple unit wok apparatus. 4,873,921, 10-17-89, Cl. 99-422.000.
Pianka, Max: *See—*
Cameron, David G; Hudson, Harry R.; Lagerlund, Inger; and Pianka, Max, 4,888,330, Cl. 514-114.000.
Piano, Anthony P., to Warner-Lambert Company. Tamper indicator lid. 4,838,448, 6-13-89, Cl. 220-257.000.
Piano, Anthony P., to Warner-Lambert Company. Soft chewing gum wrapping machine and method. 4,875,326, 10-24-89, Cl. 53-435.000.
Piano, Anthony P.: *See—*
Della Posta, Joseph A.; and Piano, Anthony P., 4,847,090, Cl. 424-440.000.
Piascinski, Joseph J., to RCA Licensing Corporation. Ultraviolet-resistant noise-reducing member and method of making same. 4,812,485, 3-14-89, Cl. 521-82.000.
Piat, Eric: *See—*
Barroyer, Paul; Piat, Eric; Foucher, Bernard; and Bouilliez, Leon, 4,825,940, Cl. 165-84.000.
Piat, Jacques: *See—*
Dufour, Marcel; and Piat, Jacques, 4,842,925, Cl. 428-223.000.
Dufour, Marcel; and Piat, Jacques, 4,842,929, Cl. 428-300.000.
Piatt, David M.: *See—*
Clauss, Allen D.; Culver, Gayle E.; Piatt, David M.; and Wierenga, Thomas J., 4,828,746, Cl. 252-90.000.
Piatt, John A. Harness for swim fins. 4,889,510, 12-26-89, Cl. 441-63.000.
Piatt, Michael J.; Maggart, Douglas S.; and Grayson, Timothy P., to Eastman Kodak Company. Printer/feeder having an improved handling system for sheet and continuous print media. 4,847,633, 7-11-89, Cl. 346-134.000.
Piatt, Michael J., to Eastman Kodak Company. Compact printer with adjustable sheet storage cassette. 4,853,711, 8-1-89, Cl. 346-134.000.
Piatt, Michael J., to Eastman Kodak Company. Sheet feed system for conpact printer. 4,853,712, 8-1-89, Cl. 346-134.000.
Piatt, Michael J.; and Houser, Kevin L., to Eastman Kodak Company. Compact printer having improved sheet cassette. 4,853,713, 8-1-89, Cl. 346-134.000.
Piatt, Michael J., to Eastman Kodak Company. Thermal, drop-on-demand, ink jet print cartridge. 4,866,461, 9-12-89, Cl. 346-140.00R.
Piatt, Wilson T., Jr.: *See—*
McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
Piatti, Sanzio P. V., to Vincent Patents Limited. Exhaust systems for multi-cylinder internal combustion engines. 4,815,274, 3-28-89, Cl. 60-313.000.
Piazzo, Diego, to Fiat Auto S.p.A. Cylinder head for internal combustion engines. 4,879,980, 11-14-89, Cl. 123-193.00H.
Piber, Herbert; Schmid, Gunther; and Schuhfleck, Johann, to U.S. Philips Corporation. Dry shaver. 4,813,136, 3-21-89, Cl. 30-43.920.
Picanol N. V.: *See—*
Shaw, Henry, 4,832,091, Cl. 139-450.000.
Van Bogaert, Philippe, 4,850,398, Cl. 139-435.000.
Picanol N.V.: *See—*
Deconinck, Filip; Cappelaere, Johan; and Vandeweghe, Michel, 4,817,677, Cl. 139-99.000.
Dewaele, Stefan; and Gryson, Dirk, 4,817,675, Cl. 139-35.000.
Dewaele, Stefan, 4,817,678, Cl. 139-353.000.

Gryson, Dirk; Shaw, Henry; and Vandeweghe, Michel, 4,815,498, Cl. 139-351.000.
Gryson, Dirk; and Shaw, Henry, 4,872,488, Cl. 139-353.000.
Lewyllie, Dirk; and Vangheluwe, Jose, 4,834,145, Cl. 139-429.000.
Maes, Dirk; Nuytten, Patrick; Cardoen, Marnick; Van Bogaert, Philippe; Verhulst, Jozef; Dejonghe, Gilbert; and Trioen, Jozef, 4,794,958, Cl. 139-435.000.
Moeneclaey, Denis; Lagache, Remi; Victoor, Johnny; and Coopman, Lucien, 4,840 203, Cl. 139-453.000.
Moeneclaey, Denis; Coopman, Lucien; and Victoor, Johnny, 4,875,505, Cl. 139-448.000.
Shaw, Henry, 4,805,670, Cl. 139-353.000.
Shaw, Henry, 4,821,779, Cl. 139-116.000.
Shaw, Henry, 4,858,658, Cl. 139-452.000.
Shaw, Henry, 4,869,296, Cl. 139-1.00C.
Van Bogaert, Philippe; and Bamelis, Jean-Marie, 4,813,460, Cl. 139-435.000.
Van Bogaert, Philippe; Ampe, Frank; Verhulst, Jozef; Weymeels, Luc; and Markey, Hugo, 4,821,781, Cl. 139-435.000.
Van Bogaert, Philippe; and Vanrobaeys, Serge, 4,869,297, Cl. 139-54.000.
Van Bogaert, Philippe; and Vandenbroucke, Andre, 4,874,018, Cl. 139-1.00E.
Verhulst, Jozef, 4,877,063, Cl. 139-435.000.
Victoor, Johnny; Coopman, Lucien; and Moeneclaey, Denis, 4,860,800, Cl. 139-448.000.
Picard, Didier. Cross-country vehicle. 4,804,199, 2-14-89, Cl. 280-33.998.
Picard, Michel. Process for writing with updating and reading informations on a non-erasable support organized into sectors. 4,807,205, 2-21-89, Cl. 369-32.000.
Picard, Raymond L.: *See—*
Faulkerson, James L.; Picard, Raymond L.; Menard, Edward J.; Bennett, Sanford M.; McCarthy, Timothy J.; Foden, Edwin S.; Gipe, Michael A.; Moluf, Allan A.; Jacobs, Michael W.; and Boatner Bruce E., 4,882,629, Cl. 358-464.000.
Picart, Thierry: *See—*
Nussbaum, Max; Picart, Thierry; and Sauron, Jean, 4,837,424, Cl. 219-494.000.
Piccard, Don. Navigational vent for hot air balloons. 4,836,471, 6-6-89, Cl. 244-99.000.
Picchi, Emilio: *See—*
Faggian, Lucio; Marcotullio, Armando; Platone, Edoardo; and Picchi, Emilio, 4,798,915, Cl. 585-833.000.
Picchi, Giorgio; and Prati, Giancarlo, to GTE Telecommunicazioni S.p.A. Adaptive blind equilization method and device. 4,847,797, 7-11-89, Cl. 364-602.000.
Piccinato, Pierino: *See—*
Strosser, Richard P.; McIlwain, Irwin D.; Piccinato, Pierino; and Bohman, Carl E., 4,844,675, Cl. 414-111.000.
Picciola, Giampaolo; Riva, Mario; Ravenna, Franco; and Gentili, Piergiorgio, to Maggioni-Winthrop S.p.A. Fused cycloaliphatic aminoalcohols. 4,826,975, 5-2-89, Cl. 544-391.000.
Piccioli, David P.: *See—*
Collette, Wayne N.; Piccioli, David P.; and Krishnakumar, Suppayan M., 4,847,129, Cl. 428-35.700.
Collette, Wayne N.; Krishnakumar, Suppayan M.; and Piccioli, David P., 4,863,046, Cl. 215-1.00C.
Picciolo, John J.: *See—*
Claar, Terry D.; Busch, Donald E.; and Picciolo, John J., 4,883,497, Cl. 29-623.500.
Picciriello, Matteo: *See—*
Volonta, Piero; and Picciriello, Matteo, 4,873,763, Cl. 29-825.000.
Piccirilli, Barbara G.: *See—*
Burkholder, Mary J.; Piccirilli, Barbara G.; Anderson, Carl C.; and Temple, Rodger G., 4,855,164, Cl. 427-385.500.
Piccirilli, Robert M.: *See—*
Schappert, Raymond F.; and Piccirilli, Robert M., 4,822,683, Cl. 428-414.000.
Piccirillo, Alessandro, to Magic Stuff, Inc. Fluid resistant coating composition. 4,876,142, 10-24-89, Cl. 428-224.000.
Piccirilo, Alessandro, to Magic Stuff, Inc. Fluid resistant coating composition. 4,845,144, 7-4-89, Cl. 524-388.000.
Piccolo, Oreste; Valoti, Ermanno; and Visentin, Giuseppina. Process for preparing naproxen. 4,854,063, 9-5-89, Cl. 568-328.000.
Piccolo, Oreste: *See—*
Magni, Ambrogio; Piccolo, Oreste; and Ascheri, Antonio, 4,834,919, Cl. 260-397.100.
Picel, Zdenek: *See—*
Masson, Jacques L. R.; and Picel, Zdenek, 4,799,179, Cl. 364-724.100.
Masson, Jacques L. R.; and Picel, Zdenek, 4,817,028, Cl. 364-753.000.
Picerno, Raysna: *See—*
Havenstein, Bennett L.; Picerno, Raysna; Brittain, Harry G.; and Nestor, James R., 4,861,727, Cl. 436-136.000.
Pich, Claus H.; and Moest, Thomas, to BASF Aktiengesellschaft. Cylindrical microtablets. 4,797,287, 1-10-89, Cl. 424-464.000.
Pich, Claus H.; and Moest, Thomas, to BASF Aktiengesellschaft. Cylindrical microtablets. 4,828,843, 5-9-89, Cl. 424-480.000.
Picha, Dean M.: *See—*
Wagner, David J.; Picha, Dean M.; Oller, Stephen G.; and Laping, Robert J., 4,811,200, Cl. 364-200.000.
Picha, George J.: *See—*
Gauderer, Michael L.; Picha, George J.; and Siedlak, Dennis, 4,863,438, Cl. 604-247.000.

Pichant, Patrick: *See—*
Fourez, Michel; Lonca, Michel; and Pichant, Patrick, 4,799,959, Cl. 106-1.160.
Pichard, Christian: *See—*
Cohen, Jacques; Lemarquand, Pierre; and Pichard, Christian, 4,855,698, Cl. 335-14.000.
Pichel, Marlowe A.; McDiarmid, James; Pfefferkorn, Glenn A.; and Cory, Roger P., to Gemini Research, Inc. Reflector apparatus for chemical vapor deposition reactors. 4,823,735, 4-25-89, Cl. 118-730.000.
Picheny, Michael A., to International Business Machines Corporation. Normalization of speech signals. 4,817,158, 3-28-89, Cl. 381-47.000.
Picheny, Michael A.: *See—*
Bahl, Lalit R.; deSouze, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,819,271, Cl. 381-43.000.
Bahl, Lalit R.; DeSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,833,712, Cl. 381-43.000.
Bahl, Lalit R.; deSouza, Peter V.; Mercer, Robert L.; and Picheny, Michael A., 4,882,759, Cl. 381-51.000.
Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, to Siemens Aktiengesellschaft. Method for manufacturing terminal contacts for thin-film magnetic heads. 4,829,658, 5-16-89, Cl. 29-603.000.
Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, to Siemens Aktiengesellschaft. Method for manufacturing terminal contacts for thin-film magnetic heads. 4,856,181, 8-15-89, Cl. 29-603.000.
Pichler, Klaus; Kunze, Dieter; Rost, Jan; and Haeder, Wolfgang, to Siemens Aktiengesellschaft. Cable joint with end bodies and a longitudinally slotted sleeve. 4,808,772, 2-28-89, Cl. 174-92.000.
Pichler, Klaus, to Siemens Aktiengesellschaft. Closure system for a longitudinally divided cable sleeve. 4,839,472, 6-13-89, Cl. 174-92.000.
Pichler, Klaus; and Bachel, Ernst, to Siemens Aktiengesellschaft. Cable sleeve with elastic sealing elements in the sealing region. 4,845,314, 7-4-89, Cl. 174-92.000.
Pichler, Klaus; and Kunze, Dieter, to Siemens Aktiengesellschaft. Cable sleeve having end members and a sleeve member with at least one longitudinally extending slot. 4,861,946, 8-29-89, Cl. 174-92.000.
Pichler, Ludwig: *See—*
Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.
Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.
Pichler, Marty A.: *See—*
Ondris, Miroslav; Pichler, Marty A.; and Brownfield, Richard E., 4,816,120, Cl. 204-37.100.
Pichot, Mark A.: *See—*
Weldon, William F.; Gully, John H.; and Pichot, Mark A., 4,800,311, Cl. 310-178.000.
Weldon, William F.; Gully, John H.; and Pichot, Mark A., 4,858,304, Cl. 29-598.000.
Picht, Duane R.: *See—*
Mikitka, Nancy L.; Purkapile, Emerson J.; and Picht, Duane R., 4,820,231, Cl. 446-73.000.
Pick, James M., to Eaton Corporation. Valve assembly and flow control therefor. 4,815,497, 3-28-89, Cl. 137-883.000.
Pick, James M.; and Swanson, Wesley S., to Eaton Corporation. Electromagnetic valve assembly. 4,817,914, 4-4-89, Cl. 251-129.150.
Pick, James M.; Swanson, Wesley S.; and Hurst, Edward D., to Eaton Corporation. Electrically operated valve assembly. 4,844,112, 7-4-89, Cl. 137-15.000.
Pick, Werner: *See—*
Hohle, Hans-Michael; Pick, Werner; and Malakas, Michael, 4,820,900, Cl. 219-121.470.
Pickard, George L.: *See—*
Robinson, Bernard L.; and Pickard, George L., 4,796,942, Cl. 296-39.200.
Pickart, Loren R., to ProCyte Corporation. Chemical derivatives of GHL-Cu. 4,808,571, 2-28-89, Cl. 514-18.000.
Pickart, Loren R., to ProCyte Corporation. Method for inducing biological coverings in wounds. 4,810,693, 3-7-89, Cl. 514-18.000.
Pickart, Loren R., to ProCyte Corporation. Chemical derivatives of GHL-Cu. 4,877,770, 10-31-89, Cl. 514-18.000.
Pickel, Hermann: *See—*
Oppl, Gunther; Pickel, Hermann; and Rauch, Horst, 4,802,329, Cl. 57-129.000.
Pickel, Wolfgang, to Alcatel N.V. Male or female connector floatingly mounted in a mounting plate. 4,824,388, 4-25-89, Cl. 439-248.000.
Pickelhaupt, Alexander J.: *See—*
Sturdevan, Ronald P.; and Pickelhaupt, Alexander J., 4,797,115, Cl. 439-125.000.
Pickell, John M., to Acco Babcock Inc. Self-adjusting cable control device. 4,799,400, 1-24-89, Cl. 74-502.600.
Pickelman, Dale M.: *See—*
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,797,187, Cl. 204-180.200.
Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,839,203, Cl. 427-244.000.
Pickenhagen, Wilhelm; and Velluz, Alain, to Firmenich S.A. Furanic esters and their utilization as flavor ingredients. 4,889,735, 12-26-89, Cl. 426-536.000.

- Pickens, Herman L.; and Cooley, William E., to SX Corporation. Automated matrix for communication line connections. 4,817,134, 3-28-89, Cl. 379-291.000.
- Picker, Donald H.; Abrams, Michael J.; Vollano, Jean F.; and Giandomenico, Christen M., to Johnson Matthey, Inc. Radiation sensitizers. 4,851,403, 7-25-89, Cl. 514-185.000.
- Picker International, Inc.: *See—*
  - Brunnett, Carl J.; and Mattson, Rodney A., 4,870,667, Cl. 378-19.000.
  - DeMeester, Gordon D.; Holland, G. Neil; and Bearden, Francis H., 4,851,779, Cl. 324-312.000.
  - Denison, Kenneth S., 4,862,081, Cl. 324-307.000.
  - Denison, Kenneth S.; Holland, G. Neil; and DeMeester, Gordon D., 4,881,033, Cl. 324-309.000.
  - Deucher, Joseph S.; Kacsala, Michael S.; and Szpak, Anthony D., 4,805,202, Cl. 378-209.000.
  - Dragmen, Kenneth J., Sr., 4,880,222, Cl. 269-322.000.
  - Elliott, Richard J.; Dupuis, Walter A.; and Resnick, Theodore A., 4,853,946, Cl. 378-4.000.
  - Enck, Richard S.; and Meadows, F. Dan, 4,855,589, Cl. 250-213.0VT.
  - Furbee, Avery D.; Perno, Salvatore G.; and Burke, James E., 4,799,248, Cl. 378-114.000.
  - Gangarosa, Raymond E.; Patrick, Edward A.; Fattu, James M.; and Green, Andrew S., 4,835,690, Cl. 364-413.130.
  - Holland, G. Neil; Provost, Terrence J.; DeMeester, Gordon D.; and Denison, Kenneth S., 4,833,407, Cl. 324-309.000.
  - Kolecki, Norman S.; Rarick, Thomas L.; and Fox, Harry W., Jr., 4,823,250, Cl. 363-71.000.
  - Lauro, Karen L.; and Sones, Richard A., 4,872,188, Cl. 378-62.000.
  - Mehdizadeh, Mehrdad; Patrick, John L.; and Misic, George J., 4,841,248, Cl. 324-318.000.
  - Mehdizadeh, Mehrdad; Patrick, John L.; and Misic, George J., 4,879,516, Cl. 324-318.000.
  - Misic, George J.; Lillo, Aarne; Patrick, John L.; and Holland, G. Neil, 4,797,617, Cl. 324-322.000.
  - Misic, George J.; Holland, G. Neil; Mehdizadeh, Mehrdad; and Patrick, John L., 4,839,594, Cl. 324-318.000.
  - Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quedens, Phillipp J.; and Dutko, Peter J., 4,869,257, Cl. 128-660.100.
  - Nicolay, David, 4,884,291, Cl. 378-99.000.
  - Plummer, Steven J.; Ina, Antoine; Tipping, David L.; and Esser, Peter D., 4,888,486, Cl. 250-363.040.
  - Plut, Leonard F.; and Nicolay, David, 4,802,002, Cl. 358-111.000.
  - Resnick, Theodore A.; Dupuis, Walter A.; and Szabo, William E., 4,829,551, Cl. 378-131.000.
  - Sattin, William; and Gatchalian, Eric E., 4,818,938, Cl. 324-309.000.
  - Sattin, William, 4,847,560, Cl. 324-309.000.
  - Sattin, William, 4,866,386, Cl. 324-314.000.
  - Sattin, William, 4,884,029, Cl. 324-309.000.
  - Sones, Richard A.; and Tesic, Mike M., 4,817,123, Cl. 378-98.000.
  - Sones, Richard A.; Lauro, Karen L.; Barnes, Gary T.; and Tesic, Mike M., 4,837 686, Cl. 364-413.190.
  - Sones, Richard A.; Tesic, Mike M.; and Vidmar, James F., 4,885,761, Cl. 378-197.000.
  - Stojkov, Mark; Flanagan, Patrick M.; Hrdlicka, Victor; Geither, John; and Everett, Dennis, 4,872,190, Cl. 378-75.000.
  - Tuy, Heang K.; Krochta, Todd J.; Mailey, Frederick C.; and Lin, Hsayjern, 4,882,679, Cl. 364-413.220.
  - Vidmar, James F.; and Sones, Richard A., 4,845,731, Cl. 378-98.000.
  - Wislocki, Nicholas C.; and Fike, Susan L., 4,845,771, Cl. 378-97.000.
- Picker International, Ltd.: *See—*
  - McGinley, John V. M., 4,870,380, Cl. 335-296.000.
  - Young, Ian R., 4,864,240, Cl. 324-318.000.
  - Young, Ian R.; and Hall, Alasdair S., 4,882,560, Cl. 335-299.000.
- Picker, James E.: *See—*
  - Reynolds, Stan L.; and Picker, James E., 4,828,712, Cl. 210-688.000.
- Picker, Limited: *See—*
  - Goldie, Frederick T. D., 4,864,241, Cl. 324-318.000.
- Pickering, Andrew J.: *See—*
  - Foster, David J.; and Pickering, Andrew J., 4,837,179, Cl. 437-44.000.
- Pickering, Frank C., to SPONS-A-TEE Limited. Out-door furniture and receptacle. 4,836,369, 6-6-89, Cl. 206-216.000.
- Pickering, George E.: *See—*
  - Stillwell, E. Joseph; Pickering, George E.; and Merrill, Richard E., 4,816,305, Cl. 428-35.700.
- Pickering, John F.: *See—*
  - Flynn, Derek J.; Thomas, Alfred W.; and Pickering, John F., 4,827,720, Cl. 60-547.100.
- Pickering, John H., to Dennison Manufacturing Company. Anticounterfeit metallized labels. 4,816,321, 3-28-89, Cl. 428-199.000.
- Pickering, John H., to Dennison Manufacturing Company. Anticounterfeit metallized labels. 4,816,322, 3-28-89, Cl. 428-199.000.
- Pickering, John J. Automobile exhaust gas cleaner. 4,821,513, 4-18-89, Cl. 60-283.000.
- Pickering, John J. Crankcase ventilator. 4,881,511, 11-21-89, Cl. 123-572.000.
- Pickering, Russell J., to Shurfire Sports International, Inc. Golf club. 4,832,340, 5-23-89, Cl. 273-80.200.
- Pickering, Seth, III: *See—*
  - Cho, Hyun J.; and Pickering, Seth, III, 4,867,024, Cl. 83-659.000.
- Pickering, William: *See—*
  - Baumgartner, Kenneth A.; and Pickering, William, 4,879,623, Cl. 361-33.000.
- Pickerrell, Daniel A.; Schrock, Donald C.; and Turner, Larry G., to Masco Corporation of Indiana. Anti-seizing cap ring. 4,874,00 10-17-89, Cl. 137-454.600.
- Pickett, Gordon E.: *See—*
  - Armington, Steven E.; Halperin, Stephen A.; Pickett, Gordon E.; and Metz, Barbara A., 4,806,410, Cl. 428-126.000.
- Pickett, James E.: *See—*
  - McWhirter, Vernie C.; Pickett, James E.; and Carlson, Norman R., 4,878,180, Cl. 364-507.000.
- Pickett, James K., to Delco Electronics Corporation. CMOS binary equals comparator with carry in and out. 4,797,650, 1-10-89, Cl. 340-146.200.
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  - Huffman, Gloria M.; and Pieniak, Heinz A., 4,883,480, Cl. 604-385.100.
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  - Schierling, Bernhard, Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.
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  - Radermacher, Bernhard, 4,865,522, Cl. 417-203.000.
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Pitet, Guy; Cousse, Henri; Stenger, Antoine; Briley, Michel; and Chopin, Philippe, 4,851,411, Cl. 514-242.000.
Pierre, Michel; Ruppel, Remy; and Brellmann, Jean, to Beghin-Say S.A. Absorbent structure for disposable articles. 4,806,408, 2-21-89, Cl. 428-76.000.
Pierre, Michel: *See—*
Goldstein, Guy; and Pierre, Michel, 4,798,744, Cl. 427-389.900.
Lerailler, Eric; Pierre, Michel; Thiriet, Bernard; and Wacquez, Jean, 4,883,478, Cl. 604-360.000.
Pierre, Morin, to Instruments S.A. Apparatus and method for local chemical analyses at the surface of solid materials by spectroscopy of X photoelectrons. 4,857,730, 8-15-89, Cl. 250-305.000.
Pierre, Ravez; and Andre, Thole, to Unisabi S.A. Load-transferring device, in particular for rapidly transferring palletized loads. 4,844,681, 7-4-89, Cl. 414-398.000.
Pierrel, Michel: *See—*
Bak, Claude; Bellocci, Rio; Gourmel, Yves; and Pierrel, Michel, 4,800,949, Cl. 164-460.000.
Piers, George E., to Schlumberger Technology Corporation. Flow restricting logging tool and method. 4,800,752, 1-31-89, Cl. 73-155.000.
Pierschbacher, Michael D.: *See—*
Rudslahti, Eric I.; Hayman, Edward G.; and Pierschbacher, Michael D., 4,879,237, Cl. 435-240.200.
Piersimoni, Frank S.; and Weigert, Hans, to Water-Matic Corporation. Automatic faucet-sink control system. 4,823,414, 4-25-89, Cl. 4-623.000.
Pierson, Bruce A.: *See—*
Kolodesh, Michael S.; Toms, Douglas; and Pierson, Bruce A., 4,873,106, Cl. 426-481.000.
Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.
Pierson, Charles W., to Eastman Kodak Company. Ultrasonic securing system. 4,865,680, 9-12-89, Cl. 156-580.200.
Pierson, Charles W., to Eastman Kodak Company. Ultrasonic securing method. 4,865,687, 9-12-89, Cl. 156-73.100.
Pierson, Harry G., Jr. Automated cat toilet. 4,846,104, 7-11-89, Cl. 119-1.000.
Pierson, Henri G. W., to D & C Limited. Intermittent vacuum filter apparatus incorporating a double valve arrangement. 4,857,194, 8-15-89, Cl. 210-406.000.
Pierson, John T., Jr., to Preco Industries, Inc. Multiple color screen printing and curing apparatus. 4,813,351, 3-21-89, Cl. 101-115.000.
Pierson, Joseph E.: *See—*
Beall, George H.; Pierson, Joseph E.; and Stookey, Stanley D., 4,814,297, Cl. 501-7.000.
Beall, George H.; Pierson, Joseph E.; and Quinn, Candace J., 4,874,724, Cl. 501-10.000.

Pierson, Lyndon G.: *See—*
George, Michael; Pierson, Lyndon G.; and Wilkins, Mark E., 4,841,550, Cl. 375-118.000.
Pierson, Mark V.: *See—*
Fey, Donald; Legg, John T.; and Pierson, Mark V., 4,813,130, Cl. 29-845.000.
Pierson, Paul R., to Weyerhaeuser Company. Octagonal box with integral liner. 4,828,929, 5-9-89, Cl. 428-542.800.
Pierson, Raymond; and Whiteley, William. Liquid petroleum confinement system. 4,880,040, 11-14-89, Cl. 141-5.000.
Pierson, Roger G., to Classy Glass, Inc. Sill structure. 4,843,787, 7-4-89, Cl. 52-204.000.
Pierson, Tyler V., to Tyler's Fine Dry Cleaning, Inc. Combination bag holder and bag therefor. 4,860,981, 8-29-89, Cl. 248-97.000.
Piesch, Ernst: *See—*
Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.
Piesik, Edward T., to General Dynamics Corporation/Pomona Division. Rocket exhaust recirculation obturator for missile launch tube. 4,796,510, 1-10-89, Cl. 89-1.816.
Piesinger, Greg H.; and Neuharth, Steve D., to Honeywell Inc. Weather radar with turbulence detection. 4,835,536, 5-30-89, Cl. 342-26.000.
Piesold, Jan-Peter, to Hoechst Aktiengesellschaft. Polyolefin molding composition. 4,829,116, 5-9-89, Cl. 524-278.000.
Pieters, Ferdinandus A.; and Martin, Thomas B., to Micropump Corporation. Readily-removable floating bushing pump construction. 4,846,641, 7-11-89, Cl. 418-70.000.
Pieters, Jozef F. P.; and Marie Guebels, Pierre-Paul F. M., to Alcatel N.V. Telecommunication line circuit. 4,837,818, 6-6-89, Cl. 379-252.000.
Pieters, Robert: *See—*
Sowell, Richard G.; and Pieters, Robert, 4,820,939, Cl. 307-269.000.
Pieters, Wim: *See—*
Bortinger, Arie; Pieters, Wim; and Suciu, Elena N., 4,851,605, Cl. 585-640.000.
Pieters, Wim J. M.: *See—*
Bortinger, Arie; Maggio, Robert A.; and Pieters, Wim J. M., 4,804,800, Cl. 585-640.000.
Pietrantonio, Michael; and De Frenza, Giuseppe. Internal illuminated decorative displays. 4,858,086, 8-15-89, Cl. 362-123.000.
Pietri, Vincent: *See—*
Battmann, Jean-Claude; Brocnard, Gerard; Charamnac, Jean-Marie; Finas, Roland; and Pietri, Vincent, 4,864,603, Cl. 379-106.000.
Pietro, Michael S., to Eastrock Technology, Inc. Lighting fixture having improved heat dissipation characteristics. 4,858,089, 8-15-89, Cl. 362-294.000.
Pietrogrande, Stefano: *See—*
Bini, Dante; Bogliari, Domenico; Lomoro, Sandro; Minozzi, Daniele; Pietrogrande, Stefano; and Zucchi, Dario, 4,796,389, Cl. 52-2.000.
Pietruszewski, John J.: *See—*
Campbell, Michael J.; Smolarek, James; and Pietruszewski, John J., 4,867,766, Cl. 55-161.000.
Pietruszkiewicz, Adolph: *See—*
Tolman, Richard L.; Wagner, Arthur F.; Baldwin, John J.; and Pietruszkiewicz, Adolph, 4,889,856, Cl. 514-254.000.
Pietruszkiewicz, Adolph M.; Cragoe, Edward J., Jr.; and Woltersdorf, Otto W., Jr., to Merck & Co., Inc. (5,6-dichloro-3-oxo-9a-propyl-2,3,9,9a-tetrahydrofluoren-7-yl) alkanimidamides. 4,835,313, 5-30-89, Cl. 564-225.000.
Pietruszkiewicz, Adolph M.: *See—*
Woltersdorf, Otto W., Jr.; Cragoe, Edward J., Jr.; and Pietruszkiewicz, Adolph M., 4,797,391, Cl. 514-120.000.
Pietryga, Victor E.: *See—*
Hawker, Fred D.; Pietryga, Victor E.; and Byrd, Robert W., 4,806,390, Cl. 427-156.000.
Pietrzak, Edward; and Ihm, James M. Gate operator. 4,852,706, 8-1-89, Cl. 192-8.00R.
Pietrzak, Gary F.; and Plant, Ernest M., II, to General Motors Corporation. Steering gear with hybrid housing. 4,809,806, 3-7-89, Cl. 180-148.000.
Pietrzak, Patrick, to Societe Anonyme dite: Intertechnique. Device for damping shocks and vibrations. 4,854,556, 8-8-89, Cl. 267-33.000.
Pietsch, Erhard: *See—*
Krasser, Fritz; and Pietsch, Erhard, 4,814,738, Cl. 337-66.000.
Pietsch, Gunter; and Schrader, Karl-Heinz, to Papierfabrik August Koehler AG. Microcapsules containing oils and soluble color reaction components, their manufacture and use in color reaction recording systems. 4,824,823, 4-25-89, Cl. 503-201.000.
Pietsch, Hanns; Kartheus, Holger; Holtzmann, Hans-Joachim; Sachau, Gunther; and Reul, Helmut, to Beiersdorf Aktiengesellschaft. Antithrombogenic, non-calcifying material and method of making articles for medical purposes. 4,831,065, 5-16-89, Cl. 523-112.000.
Pietsch, Herbert E.: *See—*
Dean, Thomas E.; Henrich, William H.; Fischer, David M.; Stratton, Lawrence J.; and Pietsch, Herbert E., 4,873,471, Cl. 315-308.000.
Pietzcker, Dirk. Heat exchanger. 4,799,540, 1-24-89, Cl. 165-76.000.
Pietzsch, Joachim, to Siemens Aktiengesellschaft. Optical superheterodyne receiver for, in particular, phase-shift modulated light. 4,868,896, 9-19-89, Cl. 455-619.000.
Pietzsch, Karl, to Erwin Sick GmbH Optik-Elektronik. Light curtain with periodic light transmitter arrangement. 4,864,121, 9-5-89, Cl. 250-221.000.
Pietzsch, Karl: *See—*
Ostertag, Klaus; and Pietzsch, Karl, 4,848,864, Cl. 350-6.800.
Pietzsch, Kurt E., to Dorr-Oliver Incorporated. Press belt device for horizontal filters. 4,861,495, 8-29-89, Cl. 210-739.000.
Pietzsch, Ludwig; Senger, Detlef; Winter, Horst; and Vollinger, Hubert, to IBP Pietzsch GmbH. Method and device for representing a composite image on a screen of a screen device. 4,876,600, 10-24-89, Cl. 358-183.000.
Piez, Karl A.; Pharriss, Bruce B.; Chu, George H.; Smestad, Thomas L.; and Hendricks, Diana, to Collagen Corporation. Xenogeneic collagen/mineral preparations in bone repair. 4,795,467, 1-3-89, Cl. 623-16.000.
Piez, Karl A.: *See—*
McPherson, John M.; Twardzik, Danile R.; Todaro, George J.; Piez, Karl A.; and Ranchalis, Jane E., 4,816,442, Cl. 514-12.000.
Pifer, Alburt E.: *See—*
Krider, E. Philip; Pifer, Alburt E.; and Byerley, Leon G., III, 4,806,851, Cl. 324-72.000.
Pifer, George C.: *See—*
Chang, Mike F.; and Pifer, George C., 4,810,665, Cl. 437-30.000.
Gray, Peter V.; Baliga, Bantval J.; Chang, Mike F. S.; and Pifer, George C., 4,883,767, Cl. 437-41.000.
Pifer, Richard L.: *See—*
Heine, Charles F.; Barnholt, Mark C.; Hobson, Donald E.; and Pifer, Richard L., 4,795,403, Cl. 464-77.000.
Pifferi, Giorgio: *See—*
Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,879,311, Cl. 514-533.000.
Giorgi, Raffaello; Conti, Marisa; and Pifferi, Giorgio, 4,886,791, Cl. 514-100.000.
Pigeon, Raymond: *See—*
Autant, Pierre; Cartillier, Andre; and Pigeon, Raymond, 4,876,097, Cl. 426-74.000.
Pigeroulet, Jean: *See—*
Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, 4,805,580, Cl. 127-506.000.
Piggin, Richard H.: *See—*
Barr, Frederick J., Jr.; Beasley, Thomas R.; and Piggin, Richard H., 4,873,675, Cl. 367-57.000.
Pigott, Brandon L.: *See—*
Pigott, Maurice J.; Pigott, Peter S.; Pigott, Brandon L.; and Pigott, Schuyler F., 4,843,976, Cl. 108-56.100.
Pigott, Maurice J.; Pigott, Peter S.; Pigott, Brandon L.; and Pigott, Schuyler F. Plastic pallet. 4,843,976, 7-4-89, Cl. 108-56.100.
Pigott, Norman B.; and Roberts, George A., to Litton U.K. Limited. Holding apparatus for a vehicle assembly line. 4,795,075, 1-3-89, Cl. 228-45.000.
Pigott, Peter S.: *See—*
Pigott, Maurice J.; Pigott, Peter S.; Pigott, Brandon L.; and Pigott, Schuyler F., 4,843,976, Cl. 108-56.100.
Pigott, Schuyler F.: *See—*
Pigott, Maurice J.; Pigott, Peter S.; Pigott, Brandon L.; and Pigott, Schuyler F., 4,843,976, Cl. 108-56.100.
Pihl, James M.; and Edwards, Denny C., to First Medical Devices Corporation. Impedance measurement circuit. 4,870,341, 9-26-89, Cl. 324-57.00R.
Pihlaja, Roger K.: *See—*
Russell, Patrick M.; Porchia, Jose; and Pihlaja, Roger K., 4,847,859, Cl. 373-113.000.
Piipponen, Juha; and Tienari, Ossi, to Oy Tampella Ab. Method of and an arrangement for controlling rock drilling. 4,848,485, 7-18-89, Cl. 175-27.000.
Pijanowski, Stefan; Thompson, Peter; and Dartnall, Adrian, to Amaray International Ltd. Housing. 4,802,601, 2-7-89, Cl. 220-4.00R.
Pijew, Alexandre: *See—*
Meyer, Bertrand; and Pijew, Alexandre, 4,859,821, Cl. 219-10.55A.
Pijnenburg, Josephus A.; and Van De Pavoordt, Franciscus G. J., to U.S. Philips Corporation. Device for demodulating a frequency-modulated signal. 4,870,511, 9-26-89, Cl. 360-30.000.
Pike, Barry G.: *See—*
Callingham, Martin; Chaudhuri, Dwaipayan; Curry, Kenneth V.; Pike, Barry G.; and Taylor, Michael B., 4,822,596, Cl. 424-46.000.
Pike, Brian R.; Furlong, Patrick J.; and Moers, John W., to Unidec. Disposable container with applicator. 4,854,760, 8-8-89, Cl. 401-134.000.
Pike, Charles O.; and Viers, Tamela A., to Century Adhesives Corp. Cold-seal adhesives and comestible packages formed therewith. 4,810,745, 3-7-89, Cl. 524-516.000.
Pike, Charles O.; and Viers, Tamela A., to Century Adhesives Corp. Cold-seal adhesives and comestible packages formed therewith. 4,859,521, 8-22-89, Cl. 428-195.000.
Pike, Clinton B. Method and apparatus for incorporating incandescent filter for products of combustion of furnace. 4,869,181, 9-26-89, Cl. 110-211.000.
Pike, Edward R.; and Pusey, Peter N., to United Kingdom of Great Britain and Northern Ireland, Secretary of State for Defence in Her Britannic Majesty's Government of the. Multichannel digital signal correlator or structurator. 4,809,210, 2-28-89, Cl. 364-728.030.
Pike, Louis D., to Pike Machine Products Co. Overlapped lamp swivel for after assembly finishing. 4,821,159, 4-11-89, Cl. 362-285.000.
Pike Machine Products Co.: *See—*
Pike, Louis D., 4,821,159, Cl. 362-285.000.

Pike, Robert F.: *See—*
  Krug, George C.; Beeler, Donald J.; Plank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., 4,806,140, Cl. 65-290.000.

Pike, Roscoe A., to United Technologies Corporation. Amorphous hydrated metal oxide primer for organic adhesively bonded joints. 4,853,300, 8-1-89, Cl. 428-702.000.

Pike, Roscoe A.; and Golden, Gerald S., to United Technologies Corporation. Method for bonding joints with an organic adhesive using a water soluble amorphous hydrated metal oxide primer. 4,888,079, 12-19-89, Cl. 156-319.000.

Pike, Thomas A.: *See—*
  DeLucia, R. Ralph; Rockot, David W.; Wolf, Daniel J.; Musicante, Neil J.; and Pike, Thomas A., 4,864,569, Cl. 371-19.000.

Pike, Timothy D., to f.m.e. Corporation. Gear lock. 4,823,633, 4-25-89, Cl. 74-411.500.

Pike, Tudor D., to Marconi Company Limited, The. High power systems and method of tuning same. 4,843,634, 6-27-89, Cl. 455-121.000.

Pike, Wilson C.; and Robertson, William S., to RME Research Associates. Method of pressing sesame seeds. 4,847,106, 7-11-89, Cl. 426-629.000.

Pikhardt, Siegfried: *See—*
  Bravet, Jean-Louis; Toytot, Francois; Leyens, Gerd; Pikhardt, Siegfried; and Bayer, Herbert, 4,871,579, Cl. 427-31.000.

Pikul, Henry, to North American Philips Corporation. Coil assembly with fixedly located wire connectors. 4,868,534, 9-19-89, Cl. 336-192.000.

Pikulik, Ivan I., to Pulp and Paper Research Institute of Canada. Method for measurement of the permeability to water. 4,880,499, 11-14-89, Cl. 162-198.000.

Pilant, Gregory P.: *See—*
  DeMatteo, John A.; and Pilant, Gregory P., 4,859,359, Cl. 252-174.150.

Pilar Moreno Kempf Family Trust: *See—*
  Kempf, Paul S., 4,795,237, Cl. 350-320.000.

Pilari, Adima: *See—*
  Annicchiarico, Franco; and Pilari, Adima, 4,822,271, Cl. 425-296.000.

Pilat, John; Keating, David; and Colella, Wayne, to Data General Corporation. Method of graphical manipulation in a potentially windowed display. 4,873,652, 10-10-89, Cl. 364-518.000.

Pilat, John F.: *See—*
  Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.

Pilato, Scott R.: *See—*
  Juster, Andrew S.; and Pilato, Scott R., 4,841,586, Cl. 5-181.000.

Pilatowicz, Edward J.; and Zatulovsky, Leonid, to Allegretti & Company. String trimmer. 4,860,451, 8-29-89, Cl. 30-276.000.

Pilawski, Kazimierz: *See—*
  Karas, Wlodzimierz; Granowski, Robert; Ramotowski, Witold; Tuziemski, Aleksander; and Pilawski, Kazimierz, 4,867,144, Cl. 128-92.0YF.

Pilbrant, Ake G.: *See—*
  Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.

Pilbrow, John R.; Troup, Gordon J. F.; Tirkel, Anatol Z.; Hutton, Donald R.; Gruner, Lucian; and McLaren, Neil R. Electron spin resonance spectrometer. 4,803,624, 2-7-89, Cl. 324-316.000.

Pilcher, James O.: *See—*
  Newhall, Donald H.; Bullock, Charles D.; and Pilcher, James O., 4,798,094, Cl. 73-862.580.

Pilecon Engineering Berhad: *See—*
  Hong, Lee P., 4,797,037, Cl. 405-255.000.

Pileeki, Victor T.: *See—*
  Sankar, Nott G.; Pileeki, Victor T.; and Zahaykevich, George A., 4,839,497, Cl. 219-121.710.

Pileski, Michael J.: *See—*
  Ciarlei, Joseph A.; and Pileski, Michael J., 4,851,866, Cl. 354-62.000.

Pileur, Charles: *See—*
  Jumel, Bernard; and Pileur, Charles, 4,880,139, Cl. 220-337.000.

Pilgrim's Pride Corporation: *See—*
  Rich, Arthur R., 4,879,033, Cl. 210-396.000.

Pilipauskas, Daniel R.: *See—*
  Pitzele, Barnett S.; Hansen, Donald W., Jr.; Hamilton, Robert W.; Pilipauskas, Daniel R.; and Clare, Michael, 4,797,470, Cl. 530-331.000.

Pilkington, Andy C., to Mather Seal Company. Elastomer coated lip seal. 4,818,620, 4-4-89, Cl. 428-422.000.

Pilkington Brothers P.L.C.: *See—*
  Hall, Christopher W. G., 4,812,359, Cl. 428-332.000.
  Hand, Derek L. A.; and Hall, Christopher W. G., 4,817,347, Cl. 52-171.000.
  Maltman, William R.; and Threlfall, Ian M., 4,851,471, Cl. 524-719.000.

Pilkington Brothers plc: *See—*
  Cross, Geoffrey; and Hargreaves, Brian, 4,825,154, Cl. 324-127.000.
  Hill, Barry R., 4,872,756, Cl. 356-361.000.
  Jackson, James R., 4,819,405, Cl. 52-810.000.

Pilkington, Donald J.; and Marlow, Christopher I., to Design Technologies Limited. Cutting method. 4,808,046, 2-28-89, Cl. 409-132.000.

Pilkington Micro-Electronics Limited: *See—*
  Austin, Kenneth, 4,829,202, Cl. 307-465.000.
  Austin, Kenneth, 4,868,419, Cl. 307-440.000.

Pilkington P.E. Limited: *See—*
  Jones, David P., 4,832,448, Cl. 350-166.000.
  Jones, David P.; and Mullaney, Kevin, 4,850,660, Cl. 350-1.600.
  Palmer, John M., 4,801,183, Cl. 350-1.200.
  Palmer, John M., 4,834,472, Cl. 350-1.400.

Pilkington plc: *See—*
  Berry, Ronald F., 4,857,097, Cl. 65-60.520.
  Chesworth, Peter; and Lowe, Martin, 4,826,525, Cl. 65-60.200.
  Clarke, Leslie T., 4,874,903, Cl. 174-35.0MS.
  Greenhalgh, Geoffrey; Morris, Peter; Bearon, John N.; and Armbruster, Guenter, 4,854,636, Cl. 296-201.000.
  Herrington, Richard A.; Flaugher, Jeffrey R.; Borer, John W.; Woodward, Alan C.; and Greenhalgh, Geoffrey, 4,888,038, Cl. 65-114.000.
  Jenkins, Michael S.; Simpson, Andrew F.; and Porter, David A., 4,828,880, Cl. 427-167.000.
  Ormsby, Mary E.; and Maltman, William R., 4,889,413, Cl. 350-354.000.
  Rickwood, Martin, 4,851,530, Cl. 544-71.000.
  Unsworth, Mark A.; and Clarke, Leslie T., 4,826,718, Cl. 428-175.000.

Pilkington Visioncare Holdings, Inc.: *See—*
  Ewer, Ronald W., deceased; Scott, Dean G., legal representative; and O'Connor, Kevin D., 4,806,010, Cl. 351-169.000.

Pillai, Krishna K., to ABB Stal AB. Power plant burning fuel in a fluidized bed. 4,796,568, 1-10-89, Cl. 122-4.00D.

Pillai, Krishna K., to ABB Stal AB. Method for improving utilization of sulphur-absorbent when burning fuel in a fluidized bed and a power plant in which fuel is burned in a fluidized bed. 4,872,423, 10-10-89, Cl. 122-4.00D.

Pillan, Antonio: *See—*
  Cozzi, Paolo; Pillan, Antonio; Bertone, Leone; and Lovisolo, Pier P., 4,801,711, Cl. 544-336.000.
  Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, 4,882,347, Cl. 514-396.000.

Pillar Technologies, Inc.: *See—*
  Collins, Wayne M., 4,869,881, Cl. 422-186.180.

Pillar, Walter O.: *See—*
  Belke, Robert E.; Zakraysek, Louis; and Pillar, Walter O., 4,876,120, Cl. 428-1.000.

Pillari, George. Puncture needle assembly. 4,834,708, 5-30-89, Cl. 604-165.000.

Pillay, Marrimuthoo; and Menon, Rajgopal S. Filter for gamma ray camera. 4,852,142, 7-25-89, Cl. 378-156.000.

Pille, Charles W.: *See—*
  Jordan, Lawrence J.; and Pille, Charles W., 4,795,102, Cl. 241-46.00R.

Pillera, Theodore J., II: *See—*
  Arfman, Kenneth D.; Pillera, Theodore J., II; Ruckel, Raymond R.; Turita, Allan C.; and Walker, John Q., 4,869,876, Cl. 422-89.000.

Pilley, Mervyn H., executor: *See—*
  Pilley, Terence J., deceased; Pilling, Fred R.; and Tester, Colin A., 4,818,571, Cl. 427-286.000.
  Pilley, Terence W. J., deceased; Pilling, Fred R.; and Ryall, Graham, 4,809,640, Cl. 118-257.000.

Pilley, Terence J., deceased (by Pilley, Mervyn H., executor); Pilling, Fred R.; and Tester, Colin A., to Metal Box plc. Method and apparatus for applying a band of coating material around a recipient surface of an article. 4,818,571, 4-4-89, Cl. 427-286.000.

Pilley, Terence W. J., deceased (by Pilley, Mervyn H., executor); Pilling, Fred R.; and Ryall, Graham, to Metal Box plc. Coating of articles. 4,809,640, 3-7-89, Cl. 118-257.000.

Pillhoefer, Horst, to MTU Motoren- und Turbinen-Union Munchen GmbH. Process for heat treating cast nickel alloys. 4,878,952, 11-7-89, Cl. 148-1.000.

Pilliez, Jacques, to Societe Anonyme des Usines Chausson. Method for reinforcing by means of small plates at least end rows of tubes engaged into tube end plates for constituting a heat exchanger. 4,813,112, 3-21-89, Cl. 29-157.30C.

Pillifant, Albert, Jr. Leaf spring biased position retentive hinge assembly. 4,845,809, 7-11-89, Cl. 16-259.000.

Pillifant, Albert, Jr. Screen printed clamp-on automotive sun-filter assembly. 4,889,380, 12-26-89, Cl. 296-97.600.

Pilling Co.: *See—*
  Chaux, Aurelio, 4,852,552, Cl. 128-20.000.
  Furey, Andrew J.; and Rosenwald, Frederic P., 4,799,485, Cl. 128-11.000.

Pilling, Fred R.: *See—*
  Pilley, Terence J., deceased; Pilling, Fred R.; and Tester, Colin A., 4,818,571, Cl. 427-286.000.
  Pilley, Terence W. J., deceased; Pilling, Fred R.; and Ryall, Graham, 4,809,640, Cl. 118-257.000.

Pilling, Roger: *See—*
  Martin, Harvey G.; Pilling, Roger; and Hosking, Steven M., 4,798,316, Cl. 232-43.100.
  Martin, Harvey G.; Pilling, Roger; and Hosking, Steven M., 4,854,570, Cl. 271-162.000.

Pilliod Cabinet Company, The: *See—*
  Lenger, Sidney A., 4,856,127, Cl. 5-53.00R.

Pillman, Ann K.: *See—*
  Lubinsky, Anthony R.; Schmitt, James F.; and Pillman, Ann K., 4,827,279, Cl. 346-1.100.

Pillon, Francis D.; and Andriot-Ballet, Michel A. Device inter alia for uniformly distributing solid and/or liquid particles, and an assembly comprising such a device. 4,883,363, 11-28-89, Cl. 366-157.000.

Pillot, Jacques, to Institut Pasteur. Reagent for detecting non-A, non-B viral hepatitis (NANBH) and an immunoenzymatic method for detecting NANBH antigens in fecal extracts. 4,871,659, 10-3-89, Cl. 435-5.000.

Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claude; and Olry, Pierre, to Societe Europeenne de Propulsion. Functional 1,3-dihydrogeno disilazanes. 4,806,666, 2-21-89, Cl. 556-412.000.

Pillsbury Company, The: *See—*
  Anderson, Kathleen H.; Lorence, Matthew W.; and DeVay, Gwen E., 4,842,876, Cl. 426-243.000.
  Hyldon, Roy; and Bhatia, Usha, 4,840,806, Cl. 426-270.000.
  Kanafani, Hanny; Patrick, Bruce M.; and Atwell, William A., 4,847,100, Cl. 426-243.000.
  Paulucci, Jeno F., 4,842,882, Cl. 426-439.000.
  Swanson, Peter E., 4,809,575, Cl. 83-152.000.
  Swanson, Peter E., 4,821,634, Cl. 99-450.200.
  Weimer, John R., 4,874,917, Cl. 219-10.55M.
  Wendt, Dan J., 4,851,631, Cl. 219-10.55E.

Pillsbury, Ron W.: *See—*
  Bernatz, Kevin; and Pillsbury, Ron W., 4,824,680, Cl. 426-3.000.

Pilman, Olev: *See—*
  Solem, Jan O.; and Pilman, Olev, 4,886,487, Cl. 604-5.000.

Pilolla, Joseph J., to Sloan Valve Company. Filtered stop. 4,832,077, 5-23-89, Cl. 137-549.000.

Pilolla, Joseph J.; and Pilolla, Patrick M. Flow-control vlave. 4,848,403, 7-18-89, Cl. 137-625.310.

Pilolla, Joseph J., to Sloan Valve Company. Anti-rotation device. 4,856,122, 8-15-89, Cl. 4-192.000.

Pilolla, Patrick M.: *See—*
  Pilolla, Joseph J.; and Pilolla, Patrick M., 4,848,403, Cl. 137-625.310.

Pilon, Laurent C.: *See—*
  Horsey, Robert W.; Pilon, Laurent C.; Fletcher, Grant M.; and Horner, Arland W., 4,856,722, Cl. 242-18.00A.

Pilon, Rene: *See—*
  Mazzei, Domonic J.; and Pilon, Rene, 4,827,980, Cl. 137-625.460.

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  Stroh, Alvin L.; and Pilon, Terry C., 4,840,336, Cl. 248-97.000.
  Stroh, Alvin L.; and Pilon, Terry C., 4,881,577, Cl. 140-71.00R.

Pilot, Alain; and Grasset, Marcel, to Societe Francaise d'Equipements pour la Navigation Aerienne (S.F.E.N.A.). Illumination sensor with attenuating diffuser. 4,795,899, 1-3-89, Cl. 250-216.000.

Pilot Ink Co., Ltd.: *See—*
  Inaba, Takao; Sakai, Kenji; Iida, Tadao; and Maki, Masahisa, 4,844,642, Cl. 401-213.000.
  Ito, Akio; and Kato, Hiroshi, 4,840,509, Cl. 401-198.000.
  Taga, Hideji, 4,818,215, Cl. 431-126.000.

Pilot, John: *See—*
  Kojima, Yasuhiko; Pilot, John; and Waxman, Burton H., 4,882,261, Cl. 430-264.000.

Pilot Man-Nen-Hitsu Kabushiki Kaisha: *See—*
  Ishikawa, Hiromichi, 4,838,715, Cl. 400-196.100.
  Miyagawa, Yukio; Kitayama, Zenzo; Ishiguro, Ikuo; and Suzuki, Yoshimasa, 4,863,526, Cl. 148-3.000.
  Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama, Satoshi; and Kikuchi, Keiichi, 4,840,837, Cl. 428-216.000.

Pilot Precision Kabushiki Kaisha: *See—*
  Watanabe, Hiroyuki, 4,840,508, Cl. 401-65.000.

Piltz, Lars E.; and Larsson, Lennart, to AB Akerlund & Rausing. Method and device for scrap-free manufacture of coated profiles and thermoformed containers. 4,813,208, 3-21-89, Cl. 53-449.000.

Pilus: *See—*
  Alazet, Jean, 4,800,881, Cl. 128-355.000.

Pilwat, Gunter; and Rudolph, Jochen, to Kernforschungsanlage Julich GmbH. Apparatus for the cryogenic enrichment of trace substances of a gas stream. 4,887,434, 12-19-89, Cl. 62-55.500.

Pilzweger, Erich: *See—*
  Demlehner, Ulrich; Eck, Herbert; Hopf, Heinrich; Pilzweger, Erich; and Zeller, Otto, 4,851,047, Cl. 106-111.000.

Pimbley, Joseph M.: *See—*
  Wei, Ching-Yeu; and Pimbley, Joseph M., 4,859,620, Cl. 437-44.000.

Pimenov, Anatoly N.: *See—*
  Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrerjev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.

Pimentel, Eileen: *See—*
  Look, David C.; and Pimentel, Eileen, 4,816,755, Cl. 324-158.00R.
  Look, David C.; and Pimentel, Eileen, 4,857,839, Cl. 324-158.00R.

Pimlott, John R.: *See—*
  Gardner, Gary L., Sr.; Pimlott, John R.; Dang, Hiep D.; and Hicks, Roy L., 4,846,952, Cl. 204-279.000.

Pimpinella, Richard J.; and Segelken, John M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Means for coupling an optical fiber to an opto-electronic device. 4,826,272, 5-2-89, Cl. 350-96.200.

Pin, Giorgio: *See—*
  Federici, Franco; Pin, Giorgio; Cozzi, Ennio; and Trovati, Aldo, 4,851,475, Cl. 525-104.000.

Pin, Huang. Footwear having ventilation and shock-absorbing properties. 4,860,463, 8-29-89, Cl. 36-3.00B.

Pin-Hung, Lin; and Kao-Hsien, Yu. Novel climbing toy. 4,878,875, 11-7-89, Cl. 446-356.000.

Pinarer, Talat I.; and Gavronsky, German, to Sealed Air Corporation. Apparatus and method for forming foam cushions for packaging purposes. 4,854,109, 8-8-89, Cl. 53-397.000.

Pincent, Bernard, to Simecsol. Method and device for measuring the height of a product in surroundings having a thermal behaviour different from that of the product to be measured, particularly for measuring the height of snow. 4,809,546, 3-7-89, Cl. 73-170.00R.

Pincers, Ojars W.: *See—*
  Cooper, Richard D.; and Pincers, Ojars W., 4,804,466, Cl. 210-168.000.

Pinch, David G.; and McGrath, Spencer C., to McGrath, Spencer. Optical reflector system for fluorescent lighting fixtures. 4,799,134, 1-17-89, Cl. 362-217.000.

Pinch, William D.; and Dolengowski, Douglas A., to Saturn Corporation. Quick connect strut mount. 4,810,003, 3-7-89, Cl. 280-668.000.

Pinchefsky, Barry. Electrical energy generating system utilizing a moving vehicle. 4,806,805, 2-21-89, Cl. 310-112.000.

Pinchuk, Leonard, to Corvita Corporation. Reinforcing structure for cardiovascular graft. 4,798,606, 1-17-89, Cl. 623-1.000.

Pinchuk, Leonard, to Corvita Corporation. Polyurethanes. 4,810,749, 3-7-89, Cl. 524-730.000.

Pinchuk, Leonard, to Corvita Corporation. Crack prevention of implanted prostheses. 4,851,009, 7-25-89, Cl. 623-66.000.

Pinchuk, Leonard; and Martin, John B., Jr., to Corvita Corporation. Anastomosis trimming device and method of using the same. 4,872,455, 10-10-89, Cl. 128-305.000.

Pinchuk, Leonard, to Corvita Corporation. Crack prevention and improved thrombogenicity of implanted prostheses by sulfonation. 4,882,148, 11-21-89, Cl. 424-423.000.

Pinck, Peter; Lorenzen, Heinz-Christen; Heitmann, Uwe; and Siems, Wolfgang, to Korber AG. Method of and apparatus for treating accumulations of fibers of tobacco or other smokable material. 4,878,506, 11-7-89, Cl. 131-84.400.

Pinck, Peter: *See—*
  Hensgen, Gerhard; Heitmann, Uwe; Brand, Peter; and Pinck, Peter, 4,860,772, Cl. 131-84.100.
  Lorenzen, Heinz C.; Pinck, Peter; and Lange, Norbert, 4,889,140, Cl. 131-281.000.

Pinckney, Linda R.: *See—*
  Nelson, John W.; and Pinckney, Linda R., 4,814,298, Cl. 501-17.000.

Pinckney Molded Plastics, Inc.: *See—*
  Kreeger, Elsmer W., 4,813,544, Cl. 206-509.000.
  Kreeger, Elsmer W., 4,842,142, Cl. 206-505.000.

Pincus, Cary I.: *See—*
  Weiser, Murray; Silverman, William; Landau, Zvi; Finer, Paul; and Pincus, Cary I., 4,860,329, Cl. 378-50.000.

Pincus, David H., to American Home Products Corp. Rapid indentification of yeast and other fungal microorganisms by enzyme detection. 4,874,695, 10-17-89, Cl. 435-19.000.

Pincus, Stephen M.: *See—*
  Izzo, Henry J.; Pincus, Stephen M.; Theiler, Jane B.; and Cirigliano, Michael C., 4,882,187, Cl. 426-335.000.

Pindell, Ferris: *See—*
  Brown, Leland C., Jr.; Jones, Neil A.; and Pindell, Ferris, 4,803,792, Cl. 42-95.000.

Pinder, John A. Aerobic composting apparatus. 4,797,367, 1-10-89, Cl. 435-313.000.

Pinder, John T.: *See—*
  Gupta, Suresh K.; and Pinder, John T., 4,881,314, Cl. 29-421.200.
  Ma, Kong; and Pinder, John T., 4,873,414, Cl. 219-121.700.

Pindris, Paul A.: *See—*
  Gunesin, Binnur Z.; Pindris, Paul A.; and Schwab, Frederick C., 4,871,814, Cl. 525-314.000.

Pine, Bob G., to Applied Techniques Inc. Method and apparatus for cleaning a conveyor belt. 4,840,267, 6-20-89, Cl. 198-498.000.

Pine Instrument Company: *See—*
  Eickmann, Guenter, 4,882,029, Cl. 204-400.000.
  Eickmann, Guenter, 4,889,608, Cl. 204-212.000.

Pine, Lloyd A.: *See—*
  Schuette, William L.; and Pine, Lloyd A., 4,839,319, Cl. 502-64.000.

Pineau, Didier: *See—*
  Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, 4,847,466, Cl. 219-121.590.

Pinell, William F.: *See—*
  Doll, Gary; Paulson, William T.; and Pinell, William F., 4,833,122, Cl. 503-226.000.

Pinelli, Thomas: *See—*
  Tobias, Samuel; Pinelli, Thomas; Messinger, Robert M.; and Hazlehurst, Fred T., 4,818,389, Cl. 210-169.000

Pineo, Frederick J.; and Alvarez, Jose T., to General Electric Company. Blade cooling. 4,815,928, 3-28-89, Cl. 415-17.000.

Pines, Eli: *See—*
  Linsky, Gary; Cunningham, Timothy; and Pines, Eli, 4,840,626, Cl. 604-364.000.

Pinet, Pierre: *See—*
  Heathe, William R.; and Pinet, Pierre, 4,848,320, Cl. 366-339.000.

Ping-chuan, Chang. Water skiing buoyant shoes. 4,846,743, 7-11-89, Cl. 441-77.000.

Pingaud, Bernard J., to Eastman Kodak Company. Preparation of facetted nodular particles. 4,798,622, 1-17-89, Cl. 75-0.5AA.

Pingel, Matthias A.: *See—*
  Pingel, Robert L.; and Pingel, Matthias A., 4,856,452, Cl. 114-364.000.

Pingel, Robert L. Fish lure. 4,815,233. 3-28-89, Cl. 43-42.110.
Pingel, Robert L.; and Pingel, Matthias A. Extendible stern light assembly. 4,856,452, 8-15-89, Cl. 114-364.000.
Pingelton, John R., to Jero Manufacturing, Inc. Self-leveling tray or ice dispenser. 4,828,119, 5-9-89, Cl. 211-59.300.
Pingry, Larry J., to Allied Products Corporation. Disc mower. 4,840,019, 6-20-89, Cl. 56-13.600.
Pinhas, Henri: *See—*
  Beranger, Serge; Pascal, J. Claude; Pinhas, Henri; and Jullien, Isabelle, 4,810,706, Cl. 514-265.000.
  Pascal, Jean C.; Lee, Chi-Ho; Alps, Brian J.; Pinhas, Henri; and Whiting, Roger L., 4,829,065, Cl. 514-255.000.
Pini, Peter: *See—*
  Wester-Ebbinghaus, Wilfried; Luhmann, Thomas; Mangelsdorf, Juergen; and Pini, Peter, 4,878,247, Cl. 382-1.000.
Pininfarina Extra S.r.l.: *See—*
  Fumia, Enrico, 4,858,761, Cl. 206-315.300.
Pinion, John A. Downspout trap and clean out. 4,798,028, 1-17-89, Cl. 52-16.000.
Pink, John J., to Amana Refrigeration, Inc. Air flow control for glass top refrigerator container. 4,870,836, 10-3-89, Cl. 62-382.000.
Pinkernell, David W.: *See—*
  Rasmussen, Steve O.; Jackson, Larry A.; and Pinkernell, David W., 4,843,338, Cl. 346-140.00R.
  Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.
Pinkerton, Steven J.; Mungovan, John P.; Suomala, John E.; and Austin, Steven A., to Emhart Industries, Inc. Glass press forming machine. 4,816,057, 3-28-89, Cl. 65-164.000.
Pinkerton, Steven J., to Emhart Industries, Inc. Individual section glass forming machine. 4,867,778, 9-19-89, Cl. 65-318.000.
Pinkham, Raymond, to Texas Instruments Incorporated. Serial accessed semiconductor memory with reconfigurable shift registers. 4,796,231, 1-3-89, Cl. 365-189.000.
Pinkham, Raymond; and Balistreri, Anthony M., to Texas Instruments Incorporated. Read/write memory having a multiple column select mode. 4,807,189, 2-21-89, Cl. 365-189.000.
Pinkham, Raymond, to Texas Instruments Incorporated. Multiple input/output read/write memory having a multiple-cycle write mask. 4,817,058, 3-28-89, Cl. 365-230.000.
Pinkham, Raymond; and Anderson, Daniel F., to Texas Instruments Incorporated. Dual-port memory having pipelined serial output. 4,866,678, 9-12-89, Cl. 365-230.010.
Pinkhasov, Eduard, to Vapor Technologies, Inc. Method of protecting ceramic bodies against mechanical and thermal action. 4,828,934, 5-9-89, Cl. 428-622.000.
Pinkhasov, Eduard, to Vapor Technologies Inc. Method of coating a metal gas-pressure bottle or tank. 4,859,489, 8-22-89, Cl. 427-37.000.
Pinkhasov, Eduard, to Vapor Technologies Inc. Apparatus for coating a metal gas-pressure bottle or tank. 4,869,203, 9-26-89, Cl. 118-723.000.
Pinnau, Ingo, to Membrane Technology & Research, Inc. Ultrathin ethylcellulose/poly(4-methylpentene-1) permselective membranes. 4,871,378, 10-3-89, Cl. 55-16.000.
Pinneo, John M., to Crystallume. Method for suppressing growth of graphite and other non-diamond carbon species during formation of synthetic diamond. 4,849,199, 7-18-89, Cl. 423-446.000.
Pinneo, John M., to Crystallume. Method for preparation of diamond ceramics. 4,882,138, 11-21-89, Cl. 423-446.000.
Pinney, J. Dana. Brush cutter blade. 4,881,438, 11-21-89, Cl. 83-840.000.
Pinnow, Curtis C.; and Fortmann, Robert C., to Carter-Hoffmann Corporation. Food service cabinet with self-closing door. 4,834,470, 5-30-89, Cl. 312-311.000.
Pinnow, Curtis C.: *See—*
  Fortmann, Robert C.; and Pinnow, Curtis C., 4,835,368, Cl. 219-401.000.
Pinnow, Douglas A., to Universal Photonix, Inc. Security system employing optical key shape reader. 4,868,559, 9-19-89, Cl. 340-825.310.
Pinnow, Kenneth E.: *See—*
  Eckenrod, John J.; Rhodes, Geoffrey O.; Pinnow. Kenneth E.; and Royer, William E., 4,797,252, Cl. 420-42.000.
Pino, Piero; Venanzi, Luigi; Wittwer, Heinz; and Daum, Ulrich, to Shell Oil Company. Removal of catalyst residues from olefin/carbon monoxide polymer with dithiocarbamate. 4,870,156, 9-26-89, Cl. 528-487.000.
Pinol, Augusto C.: *See—*
  Constansa, Jordi F.; Pinol, Augusto C.; and Corominas, Juan P., 4,797,482, Cl. 544-33.000.
Pinol, Juan C.: *See—*
  Ramallo, Tomas A.; Puchal, Francisco M.; Pinol, Juan C.; and Julia, Enric, 4,820,739, Cl. 514-763.000.
Pinoncely, Andre: *See—*
  Benoit, Philippe; Chielens, Alain; Pinoncely, Andre; and Osselin, Florence, 4,817,008, Cl. 364-477.000.
Pinschmidt, Robert K., Jr.; Dixon, Dale D.; and Burgoyne, William F., Jr., to Air Products and Chemicals, Inc. Self- and diol reactive formaldehyde-free crosslinking monomers and their derived polymers. 4,864,055, 9-5-89, Cl. 560-160.000.
Pinsky, Naum: *See—*
  Clough, Thomas J.; and Pinsky, Naum, 4,861,689, Cl. 429-210.000.
Pinson, Denis, to Bull S.A. Mode for writing information on a magnetic recording carrier. 4,831,465, 5-16-89, Cl. 360-40.000.
Pinson, George T., to Boeing Company, The. Optical fiber guided tube-launched projectile system. 4,796,83[illegible], 1-10-89, Cl. 244-3.120.
Pinson, George T., to Boeing Company, The. Catoptric zoom optical device. 4,812,030, 3-14-89, Cl. 350-620.000.
Pinson, George T., to Boeing Company, The. Ring array imaging system. 4,837,451, 6-6-89, Cl. 250-578.000.
Pinson, George T., to Boeing Company, The. Resiliently deployable fairing for sealing an airframe cavity. 4,838,502, 6-13-89, Cl. 244-49.000.
Pinson, George T., to Boeing Company, The. Communication link between moving bodies. 4,860,968, 8-29-89, Cl. 244-3.120.
Pinson, George T., to Boeing Company, The. Multiple axis vibration test platform. 4,875,374, 10-24-89, Cl. 73-663.000.
Pinson, George T., to Boeing Company, The. Method of manufacturing reinforced optical fiber. 4,886,562, 12-12-89, Cl. 156-172.000.
Pinson, George T., to Boeing Company, The. Thermal resistivity coatings for optical fibers. 4,889,400, 12-26-89, Cl. 350-96.300.
Pinson, Yannick; and Ricros, Alain, to Imagie Industrie Systeme. Electronic shutter devices. 4,851,916, 7-25-89, Cl. 358-213.190.
Pinsonneault, Jean P., to Northern Telecom Limited. Tent structures for covering free-standing equipment. 4,834,129, 5-30-89, Cl. 135-90.000.
Pintar, Robert R. Apparatus for restricting telephone calls. 4,866,762, 9-12-89, Cl. 379-200.000.
Pintchovski, Faivel; and Tobin, Philip J., to Motorola, Inc. Method for making a w/tin contact. 4,822,753, 4-18-89, Cl. 437-192.000.
Pintelon, Joseph A. E.: *See—*
  Turner, James J.; McMillan, Guy H.; Pintelon, Joseph A. E.; Waryu, Joseph C.; Kennon, James L.; and Muller, Peter E., 4,886,013, Cl. 118-668.000.
Pinter, Reinhard: *See—*
  Bergloff, Dag; Perchthaler, Heinz; and Pinter, Reinhard, 4,851,119, Cl. 210-400.000.
Pinto, Akiva, to John D. Hollingsworth On Wheels. Inc. Web weight control system. 4,823,440, 4-25-89, Cl. 19-105.000.
Pinto, Akiva; Lucassen, Guenther; and Frosch, Werner, to Hergeth Hollingsworth GmbH. Textile fiber feeding and cleaning system and method. 4,843,684, 7-4-89, Cl. 19-65.00A.
Pinto, Akiva; and Lucassen, Guenter, to Hergeth Hollingsworth GmbH. Device for fine-opening and cleaning fiber material, etc. 4,854,013, 8-8-89, Cl. 19-200.000.
Pinto, Akiva; Lucassen, Guenter; and Dirkes, Heinz, to Hergeth Hollingsworth GmbH. Process and apparatus for cleaning and opening loose fiber stock, e.g. cotton. 4,858,277, 8-22-89, Cl. 19-200.000.
Pinto, Akiva; Lucasse, Guenter; Jung, Rolf R.; and Bocht, Bernhard, to Hergeth Hollingsworth GmbH. Apparatus for cleaning and opening textile fiber material. 4,858,278, 8-22-89, Cl. 19-200.000.
Pinto, Akiva; Lucassen, Guenter; and Bocht, Bernhard, to Hergeth Hollingsworth GmbH. Flow-through fiber preparation feed system and method. 4,864,693, 9-12-89, Cl. 9-105.000.
Pinto, Akiva; Lucassen, Guenter; and Schmidt, Reinhard, to Hergeth Hollingsworth GmbH. Apparatus for protecting persons entering the zone of danger of power-operated textile machines. 4,887,070, 12-12-89, Cl. 340-561.000.
Pinto, Akiva; Lucassen, Guenter; and Schmidt, Reinhard, to Hergeth Hollingsworth GmbH. Apparatus for removing fiber material accumulations, in particular from bales of spinning material. 4,888,857, 12-26-89, Cl. 19-80.00R.
Pinto, Akiva: *See—*
  Lucassen, Guenter; Pinto, Akiva; and Schmidt, Reinhard, 4,866,815, Cl. 19-205.000.
Pinto, Albert A.; Selis, Edward W.; and Carroll, George W., to Nabisco Brands, Inc. Pistonless icing depositor. 4,850,833, 7-25-89, Cl. 425-6.000.
Pinto, Alwyn, to Imperial Chemical Industries PLC. Nitrogen production. 4,814,156, 3-21-89, Cl. 423-351.000.
Pinto, David A.: *See—*
  Crouse, Ronald J.; Lauer, Norris A.; and Pinto, David A., 4,884,065, Cl. 340-632.000.
Pinto, Joseph F.: *See—*
  Pollock, Clifford R.; Pinto, Joseph F.; and Georgiou. Efstratios, 4,839,009, Cl. 204-157.480.
Pinto, Manuel. Caddy for transporting a lawn mower operator. 4,828,282, 5-9-89, Cl. 280-32.700.
Pinto, Patrick A.: *See—*
  Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., 4,814,442, Cl. 540-310.000.
  Girijavallabhan, Viyyoor M.; Ganguly, Ashit K.; Pinto, Patrick A.; and Versace, Richard W., 4,851,423, Cl. 514-399.000.
Pinto, Shlomo. Method and device for forming a fluid permeation control layer of the ground. 4,838,734, 6-13-89, Cl. 405-176.000.
Pinto, Thomas J., to Don Simmonds. Door privacy screen. 4,845,892, 7-11-89, Cl. 49-383.000.
Pintsov, David A., to Pitney Bowes Inc. Method for computerized postage determination. 4,821,493, 4-18-89, Cl. 53-502.000.
Pintsov, Leon A., to Pitney Bowes Inc. Insertion machine with prioritized selection of inserts. 4,817,042, 3-28-89, Cl. 364-478.000.
Pintsov, Leon A; and Tracy, Robert A., to Pitney Bowes Inc. Insertion machine with computerized postage search and prioritized selection of inserts. 4,829,443, 5-9-89, Cl. 364-464.030.
Pintsov, Leon A.: *See—*
  Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton, 4,800,505, Cl. 364-478.000.
Pinyan, James A.; Buckley, B. S.; and Galitzine, Peter D., to Cochlea Corporation. Automated inspection system and method. 4,819,783, 4-11-89, Cl. 198-395.000.

Pinyan, Jim: *See—*
  De Bruycker, Erwin; Hunter, Thomas; Pinyan, Jim; and Scalco, Emanuele, 4,846,721, Cl. 439-411.000.
Pinza, Mario; and Pfeiffer, Ugo C., to I.S.F. Societa Per Azioni. Process for the preparation of pyrrolidone derivatives. 4,797,496, 1-10-89, Cl. 548-544.000.
Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, to ISF Societa Per Azioni. Pyrrolidone derivatives and memory enhancement use thereof. 4,824,861, 4-25-89, Cl. 514-425.000.
Pinza, Mario; Farina, Carlo; Banfi, Silvano; and Pfeiffer, Ugo, to I.S.F. Societa Per Azioni. A process for making pyrrolidone derivatives. 4,868,313, 9-19-89, Cl. 548-544.000.
Pinza, Mario: *See—*
  Farina, Carlo; Pinza, Mario; Cerri, Alberto; and Parravicini, Francesco, 4,873,328, Cl. 544-239.000.
Pio AB: *See—*
  Andersson, Lars; Stenlund, Berndt; and Wiberg, Rolf, 4,818,497, Cl. 422-179.000.
  Andersson, Lars; Stenlund, Berndt; and Wiberg, Rolf, 4,853,293, Cl. 428-605.000.
Pioch, Erhard: *See—*
  Laube, Ludwig; Leypold, Helmut; and Pioch, Erhard, 4,854,440, Cl. 198-357.000.
Pioch, Gerald E.: *See—*
  Comroe, Richard A.; Major. John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.
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  Nakamura, Norimasa; and Kishimoto, Satoshi, 4,878,217, Cl. 370-77.000.
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  Goldstein, Harvey R.; and Haddad, Edward N., Jr., 4,874,196, Cl. 296-98.000.
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  Parra, Jorge M., 4,866,849, Cl. 33-293.000.
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  Akiyama, Toru; Yasuda, Shigeru; Yasukawa, Kenichiro; and Fukatsu, Yasumasa, 4,837,637, Cl. 358-342.000.
  Akiyama, Toru, 4,841,379, Cl. 358-337.000.
  Akiyama, Toru, 4,882,625, Cl. 358-140.000.
  Ando, Hitoshi; Kashiwazaki, Takashi; and Hosoi, Masayuki, 4,831,563, Cl. 364-571.050.
  Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,837,700, Cl. 364-449.000.
  Ando, Hitoshi; Kashiwazaki, Takashi; Hosoi, Masayuki; and Fukushima, Atsuhiko, 4,890,233, Cl. 364-457.000.
  Ando, Tomiaki, 4,847,907, Cl. 381-86.000.
  Aoyagi, Yoshio; Ishii, Tsuneo; Kakiuchi, Shizuo; and Arifuku, Naoto, 4,805,050, Cl. 360-72.200.
  Aoyagi, Yoshio; Kimura, Toshiyuki; and Saito, Yoshinori, 4,829,498, Cl. 369-45.000.
  Aoyagi, Yoshio, 4,841,505, Cl. 369-32.000.
  Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
  Arita, Manabu, 4,829,508, Cl. 369-215.000.
  Chijiiwa, Masaru, 4,831,464. Cl. 360-32.000.
  Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, 4,839,584, Cl. 324-103.00P.
  Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.
  Fukushima, Atsuhiko; Kashiwazaki, Takashi; Hosoi, Masayuki; and Ando, Hitoshi, 4,807,157, Cl. 364-521.000.
  Gotoh, Toshio, 4,860,121, Cl. 358-336.000.
  Gotoh, Toshio, 4,864,426, Cl. 358-336.000.
  Hasegawa, Shinichi; and Yoshioka, Takayuki, 4,838,665, Cl. 350-418.000.
  Hashimoto, Komei; and Harayama. Tetsuo, 4,849,827, Cl. 358-342.000.
  Hayashi, Hideki; and Honda, Tsutomu, 4,819,086, Cl. 358-343.000.
  Hayashi, Junkichi; and Uchida, Tamotu, 4,825,533, Cl. 29-605.000.
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  Hirano, Hiroyuki; and Funamoto, Kyota, 4,845,571, Cl. 358-342.000.
  Hirano, Toshio, 4,796,251, Cl. 369-75.200.
  Hirano, Toshio, 4,797,869, Cl. 369-75.200.
  Hoda, Hisashi; Sudo, Satomi; Amaya, Toshiyuki; Siratori, Kuniaki; and Yamada, Takac, 4,831,610, Cl. 369-48.000.
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  Ikedo, Yuji; Okajima, Takahiro; Miyake, Masahiko; and Miyakawa, Tsutomu, 4,811,319, Cl. 369-39.000.
  Ikedo, Yuji; and Okajima, Takahiro, 4,811,324, Cl. 369-75.200.
  Ikedo, Yuji; Okajima, Takahiro; and Tashiro, Yasuyuki, 4,839,764, Cl. 360-98.080.
  Imasaki, Kenji; Ichihashi, Toshiaki; and Sasaki, Masafumi, 4,839,922, Cl. 380-15.000.
  Inohana, Haruyuki; Takaoka, Saburo; and Takada, Hideaki, 4,890,170, Cl. 360-65.000.
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  Ishii, Tsuneo, 4,839,748, Cl. 360-10.100.
  Ishikawa, Kazushige; Mochizuki, Kenji; Maehara, Toshihiro; and Hagiri, Masaharu, 4,873,586, Cl. 358-342.000.
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  Kanagawa, Akira, 4,845,775, Cl. 381-102.000.
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  Kanamaru, Hitoshi, 4,800,446, Cl. 358-343.000.
  Kanamaru, Hitoshi, 4,839,746, Cl. 358-342.000.
  Kanamaru, Hitoshi; Watanabe, Tsuyoshi; Shiba, Takahumi; and Katagiri, Shoichi, 4,843.484, Cl. 358-342.000.
  Kanamaru, Hitoshi, 4,855,847, Cl. 360-19.100.
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  Kanamaru, Hitoshi, 4,864,428, Cl. 358-342.000.
  Kanamaru, Hitoshi, 4,868,679, Cl. 358-334.000.
  Kanda, Masao, 4,800,445, Cl. 358-342.000.
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  Kasa, Koichi, 4,856,082, Cl. 455-161.000.
  Kato, Masayuki; Kato, Shinjiro; and Tamura, Fumio, 4,864,246, Cl. 330-129.000.
  Kato, Takahiro, 4,829,387, Cl. 360-32.000.
  Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.
  Katsuyama, Hitoshi, 4,860,104, Cl. 358-167.000.
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  Kawanabe, Yoshihiro; and Ida, Kazunaga, 4,881,041, Cl. 328-112.000.
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  Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; Suzuki, Shiro; and Tanabe, Masashi, 4,817,075, Cl. 369-47.000.
  Kimura, Hiroyuki; and Syoji, Mitsuo, 4,833,728, Cl. 455-166.000.
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  Kimura, Toshiyuki; Aoyagi, Yoshio; and Endo, Fumio, 4,882,719, Cl. 369-32.000.
  Kimura, Yukio; Yoshino, Toshikazu; and Hayashi, Ryutaro, 4,853,260, Cl. 427-240.000.
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  Kurihara, Toshihiko; Araki, Yoshitsugu; and Funabashi, Tadashi, 4,831,612, Cl. 369-75.200.
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  Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, 4,850,791, Cl. 414-750.000.
  Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, 4,865,445, Cl. 356-73.000.
  Kuroda, Kazuo, 4,862,252, Cl. 358-31.000.
  Kusano, Satoshi, 4,835,755, Cl. 369-44.000.
  Maeda, Takanori, 4,805,992, Cl. 350-286.000.

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  Puskaric, Vladimir, 4,806,669, Cl. 800-1.000.
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  Wright, Diana R.; and Schlerf, David W., 4,881,562, Cl 134-110.000.
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Piotrowski, Andrzej M.; and Ligi, Joseph J., to Texas Alkyls, Inc. Deactivation of reactive organometallic contaminated equipment. 4,875,941, 10-24-89, Cl. 134-11.000.
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Piotrowski, Andrzej M.: *See—*
  Malpass, Dennis B.; Triplett, Kelly B.; and Piotrowski, Andrzej M., 4,876,318, Cl. 525-446.000.
Piotrowski, Chester: *See—*
  Baker, Dennis L.; Kirckof, Steven S.; Morse, Dan J.; and Piotrowski, Chester, 4,850,716, Cl. 374-160.000.
Piotrowski, Michael J.: *See—*
  Tresslar, Marie C.; Kite, Joseph S., III; Piotrowski, Michael J.; and Conaghan, Thomas B., 4,870,887, Cl. 87-9.000.
Piotrowski, Paul A.: *See—*
  Duncan, Charles S.; and Piotrowski, Paul A., 4,828,808, Cl. 422-249.000.
Piotrowski, Robert D.; Ross, George R.; Strobel, Rudolf G. K.; Thundathil, Raju V.; and Tsai, Chee-Hway, to Procter & Gamble Company, The. Method of making low viscosity evaporative orange juice concentrates having less cooked off-flavor. 4,818,555, 4-4-89, Cl. 426-599.000.
Pipasik, George. Total shoulder exercise and muscle development machine. 4,817,943, 4-4-89, Cl. 272-117.000.
Pipe, Adrian J.: *See—*
  Kitchin, John; Cherry, Peter C.; Pipe, Adrian J.; Crame, Andrew J.; and Borthwick, Alan D., 4,880,801, Cl. 514-215.000.
Pipe Line Development Company, The: *See—*
  Smith, Edward B.; Smith, William B.; Rogers Jr., Elmer V.; and Spisak, John A., 4,832,379, Cl. 285-323.000.
Pipe Liners, Inc.: *See—*
  Ledoux, Patrick R.; and Fourgaut, Luc R., 4,863,365, Cl. 425-343.000.
Pipe Shields, Inc.: *See—*
  Collins, Seymour; and McClellan, William F., 4,804,158, Cl. 248-74.400.
Piper, Britton F., to Torus Equipment, Inc. Pressurized check valve. 4,811,758, 3-14-89, Cl. 137-844.000.
Piper, Danny A. Safety cover for electrical outlets. 4,801,271, 1-31-89, Cl. 439-148.000.
Piper, Heidi A.; Wahl, Errol H.; and Vimba, Aivars I., to Procter & Gamble Company, The. Liquid fabric softener comprising light-unstable red dye in protective package. 4,844,820, 7-4-89, Cl. 252-8.600.
Piper, Robert J.: *See—*
  Homann, Helmut F.; and Piper, Robert J., 4,800,394, Cl. 343-882.000.
Piper, William W., to General Electric Company. Pixel configuration to achieve a staggered color triad with insulated connection between third, split pixel electrodes. 4,812,017, 3-14-89, Cl. 350-333.000.
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  Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,855,806, Cl. 357-59.000.
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Piperato, Richard A. Tamperproof, single use, disposable tattoo equipment. 4,862,772, 9-5-89, Cl. 81-9.220.
Piperkovski, Trajce. Adjustable open-end wrench. 4,833,949, 5-30-89, Cl. 81-127.000.
Pipik, Albert M. Baseball runner pads. 4,799,681, 1-24-89, Cl. 273-25.000.
Pipkin, Noel J.; and Hunt, Michael S. Heavy medium separation tracer element. 4,857,172, 8-15-89, Cl. 209-1.000.
Pipko, Grigori: *See—*
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Piplica, Eugene J.: *See—*
  Carlson, William R.; and Piplica, Eugene J., 4,826,647, Cl. 376-209.000.
Pipon, Robert: *See—*
  Cros, Patrick; and Pipon, Robert, 4,873,323, Cl. 536-114.000.
Pipon, Yves; and Droulon, Georges, to A. & M. Cousin Etablissements Cousin Freres. Curved slide member. 4,842,232, 6-27-89, Cl. 248-395.000.
Pipon, Yves; and Droulon, Georges, to A. & M. Cousin Etablissements Cousin Freres. Standard module device for an adjustment in height of base of a seat. 4,850,561, 7-25-89, Cl. 248-421.000.
Pipon, Yves; and Chales, Bernard, to A & M Cousin & Cie. Backlash-free reducing mechanism, particularly usable for setting various parts of a seat of an automobile vehicle. 4,882,943, 11-28-89, Cl. 74-409.000.
Pipper, Gunter; and Cordes, Claus, to Basf Aktiengesellschaft. Removal of caprolactam and oligomers thereof from nylon granules containing same. 4,816,557, 3-28-89, Cl. 528-500.000.
Pippert, Aaron J., to Utex Industries, Inc. Fishing lure apparatus with fish attractant. 4,839,983, 6-20-89, Cl. 43-42.060.
Pippin, Archie A.; and Perryman, Wilton S., Jr. Stake pulling apparatus. 4,804,165, 2-14-89, Cl. 254-30.000.
Piptjuk, Vitaly P.: *See—*
  Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
Piracha, Imtiaz I.: *See—*
  Mansur, Robert P.; and Piracha, Imtiaz I., 4,845,437, Cl. 328-15.000.
Pirags, Siegfried: *See—*
  Brandis, Curt; Schulze-Buxloh, Heinrich; and Pirags, Siegfried, 4,794,866, Cl. 104-292.000.
  Brandis, Curt; Schulze-Buxloh, Heinrich; and Pirags, Siegfried, 4,819,564, Cl. 104-292.000.
Piran, Uri, to Becton Dickinson and Company. Production of loaded vesicles. 4,814,270, 3-21-89, Cl. 435-7.000.
Piran, Uri, to Becton Dickinson and Company. Assay and product in which binder and liposomes are supported on a solid support. 4,874,710, 10-17-89, Cl. 436-518.000.
Piras, Bernard, to Establissements Montabert. Hydraulic distributor for percussion apparatus driven by an incompressible fluid under pressure. 4,858,702, 8-22-89, Cl. 173-134.000.
Piras, Leonardo; and Lazzaro, Giuseppe, to Alumina S.p.A. Apparatus for the on-line treatment of degassing and filtration of aluminum and its alloys. 4,844,425, 7-4-89, Cl. 266-215.000.
Pirault, Jean P.; Rowbotham, Mervyn; and Biggs, David A., to Ford Motor Company. Fracture splitting of light metal components. 4,884,900, 12-5-89, Cl. 384-434.000.
Pirc, Douglas J., to AMP Incorporated. Adapter having transient suppression protection. 4,799,901, 1-24-89, Cl. 439-620.000.
Pirc, Douglas J., to Amp Incorporated. Filtered electrical device and method for making same. 4,804,332, 2-14-89, Cl. 439-620.000.
Pirc, Douglas J.: *See—*
  Dawson, Andrew J., Jr.; Farrar, John C.; Pirc, Douglas J.; and Taylor, Atalee S., 4,880,397, Cl. 439-620.000.
Pirc, Michael: *See—*
  Priddy, Duane B.; and Pirc, Michael, 4,859,748, Cl. 526-88.000.
Pirc. Vladimir V., to Pitney Bowes Inc. Locking mechanism for a weighing scale tray. 4,842,084, 6-27-89, Cl. 177-145.000.
Pirc, Vladimir V.; and Alesi, Thomas W., Jr., to Pitney Bowes Inc. Apparatus and method of transporting flats across a scale. 4,844,188, 7-4-89, Cl. 177-145.000.
Pirce, Kent H. Method and equipment for determining tool offsets from a reference position. 4,868,994, 9-26-89, Cl. 33-636.000.
Pircon, Dolores R.: *See—*
  Ratliff, Jerome S.; and Pircon, Ladislav J., 4,834,787, Cl. 71-40.000.
Pircon, Ladislav J.: *See—*
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Pirdzuns, Rolf; Polligkeit, Wolfgang; and Schluckebier, Michael, to Vorwerk & Co. Interholding GmbH. Overcurrent-protective snap switch for household appliances. 4,821,009, 4-11-89, Cl. 337-130.000.
Pirelli Accessori Industriali S.p.A.: *See—*
  Vanessi, Giovanni, 4,815,720, Cl. 267-140.100.
Pirelli Cable Corporation: *See—*
  Rahman, Mujib, 4,859,024, Cl. 350-96.230.
Pirelli Coordinamento Pneumatici S.p.A.: *See—*
  Armellin, Giancarlo, 4,802,520, Cl. 152-454.000.
  Mezzanotte, Mario, 4,848,429, Cl. 152-209.00A.
  Pizzorno, Augusto, 4,860,620, Cl. 83-156.000.
  Pizzorno, Augusto, 4,867,823, Cl. 156-157.000.
  Pizzorno, Augusto, 4,872,822, Cl. 425-48.000.
  Salvadori, Bruno, 4,883,415, Cl. 425-47.000.
Pirelli General plc: *See—*
  Tarbox, Eleanor J.; and Scrivener, Paul L., 4,842,403, Cl. 356-73.000.
  Tarbox, Eleanor J., 4,881,793, Cl. 350-96.210.
Pirelli Sistemi Antivibranti S.p.A.: *See—*
  Morini, Emilio, 4,861,007, Cl. 267-153.000.
Pirelli Transmissioni Industriali S.p.A.: *See—*
  DiGiacomo, Tommaso; and Fiordaliso, Carlo, 4,850,943, Cl. 474-205.000.
Piretti, Giancarlo. Chair with hinged backrest. 4,796,952, 1-10-89, Cl. 297-340.000.
Piretti, Giancarlo, to Pro-Cord S.r.l. Folding table. 4,809,619, 3-7-89, Cl. 108-115.000.
Piretti, Giancarlo, to B&B Italia S.p.A. Table with separable legs. 4,848,245, 7-18-89, Cl. 108-156.000.
Pirk, Hans; and Arntzen, Paul, to Nukem GmbH. Lining for bore holes in salt domes. 4,863,311, 9-5-89, Cl. 405-128.000.
Pirkel, Fred L., to Ogontz Controls Company. Valve mechanism. 4,878,512, 11-7-89, Cl. 137-62.000.

- Pirkle, Fred L. Freeze protection device. 4,848,389, 7-18-89, Cl. 137-80.000.
- Pirkle, Fred L. Temperature-responsive valve. 4,883,082, 11-28-89, Cl. 137-62.000.
- Pirkle, Randall W. Electrical outlet. 4,846,707, 7-11-89, Cl. 439-142.000.
- Pirl, William E.: *See—*
  - Arzenti, Thomas E.; Pirl, William E.; and Costlow, Annette M., 4,829,648, Cl. 29-157.400.
- Piro, Paola: *See—*
  - Iaccheri, Ennio; and Piro, Paola, 4,842,995, Cl. 435-5.000.
- Pirolli, Claude, to Telecommunications Radioelectriques et Telephoniques. Device for neutralizing military objects. 4,878,433, 11-7-89, Cl. 102-384.000.
- Piron, Jean P.; and Daugan, Jean-Claude, to Colgate-Palmolive Company. Absorbent napkin, particularly for infant's diaper pads. 4,883,479, 11-28-89, Cl. 604-365.000.
- Pirot, Francois-Xavier: *See—*
  - Pierre, Andre; Batllteu, Francois; Brosselard, Jean-Pierre; Permuy, Alfred; Pirot, Francois-Xavier; and Spirkovitch, Serge, 4,873,868, Cl. 73-517.00R.
- Pirotta, Angelo, to Racing Tack Srl. Safety crupper. 4,850,181, 7-25-89, Cl. 54-22.000.
- Pirotta, Marico G., to Rohm and Haas Company. Selective removal of nitrate ions from salt solutions. 4,872,989, 10-10-89, Cl. 210-638.000.
- Pirotton, Patrice: *See—*
  - Jacques, Alain; and Pirotton, Patrice, 4,808,320, Cl. 252-8.800.
  - Jacques, Alain; and Pirotton, Patrice, 4,816,170, Cl. 252-8.800.
- Pirovano, Camillo. Trolley for distributing feed into a rectilinear trough in a poultry farm. 4,887,550, 12-19-89, Cl. 119-56.200.
- Pirrami, Richard: *See—*
  - Acker, William L., III; Janson, Leroy W.; and Pirrami, Richard, 4,844,184, Cl. 175-323.000.
- Pirrung, Michael C.; and McGeehan, Gerald M., to Leland Stanford Junior University, The Board of Trustees of the. Composition for inhibition of ethylene production in plants. 4,851,035, 7-25-89, Cl. 71-113.000.
- Pirsch, Peter, to Alcatel N.V. Video-signal DPCM coder with adaptive prediction. 4,827,340, 5-2-89, Cl. 358-136.000.
- Pirwitz, Robert G., to Xerox Corporation. Fuser system utilizing a pressure web. 4,860,047, 8-22-89, Cl. 355-290.000.
- Pisacane, Louis F.; and Mitchell, William F., to Environmental Tectonics Corporation. Chamber door lock. 4,818,001, 4-4-89, Cl. 292-304.000.
- Pisani, Marino J.: *See—*
  - Deli, Jack M.; Nagorzanski, Al J.; Karpiel, Harvey B.; and Pisani, Marino J., 4,844,195, Cl. 180-9.500.
- Pisarski, Hubert: *See—*
  - Starczewski, Marian; Switonska-Oskedra, Maria; Grzywaczewski, Tadeusz; Pisarski, Hubert; Gazda, Stanislaw; and Sybilska, Genowefa, 4,795,625, Cl. 423-566.000.
- Pisarski, Nathan: *See—*
  - Adams, Lowell J.; Simshauser, Steven C.; Pisarski, Nathan; and Weisend, Norbert A., Jr., 4,875,644, Cl. 244-134.00R.
- Piscaer, Petrus J. C., to De Erven De Weduwe J. Van Nelle B.V. Method and device for the preparation of coffee. 4,873,916, 10-17-89, Cl. 99-289.00R.
- Piscetta, Armando. Multiple function combined weapon. 4,882,973, 11-28-89, Cl. 89-1.410.
- Pischke, LaMonte D.; and Greene, Ralph J., to Land O'Lakes, Inc. Method of making an acidified dairy cream. 4,873,094, 10-10-89, Cl. 426-43.000.
- Pischtschan, Alfred: *See—*
  - Eichenauer, Herbert; and Pischtschan, Alfred, 4,800,216, Cl. 525-285.000.
  - Eichenauer, Herbert; Pischtschan, Alfred; and Ott, Karl-Heinz, 4,885,337, Cl. 525-75.000.
  - Wingler, Frank; Summermann, Klaus; Wassmuth, Gerd; Pischtschan, Alfred; and Doring, Joachim, 4,795,780, Cl. 525-53.000.
- Pisciotta, E. Christopher: *See—*
  - Georgis, Steven P.; Rodriguez, Juan A.; and Pisciotta, E. Christopher, 4,845,577, Cl. 360-72.200.
- Pisciotti, Trudy; and Healy, Dennis, to Prentice Hall, Inc. Book. 4,883,381, 11-28-89, Cl. 402-74.000.
- Pisczak, Philip J.: *See—*
  - Branc, Joseph R.; Merchant, Thomas J.; Miller, William L.; and Pisczak, Philip J., 4,831,476, Cl. 360-97.020.
- Piselli, Fulvio L., to Industria Chemica Profarmaco S.p.A. Process for the optical resolution of 2-(6-methoxy-2-naphthyl)propionic acid. 4,865,770, 9-12-89, Cl. 562-402.000.
- Pisipati, Ramesh M.; and Campbell, Joseph O., to Monsanto Company. Low gloss molding composition. 4,870,131, 9-26-89, Cl. 525-74.000.
- Piskorz, Jan: *See—*
  - Scott, Donald S.; and Piskorz, Jan, 4,880,473, Cl. 127-37.000.
- Piskoti, Charles, to Genesee Polymers Corporation. Non-transferring dry-film mold release agent. 4,797,445, 1-10-89, Cl. 524-588.000.
- Piskula, James. Floor drain plate assembly. 4,871,451, 10-3-89, Cl. 210-164.000.
- Piskula, James. Floor clean-out assembly. 4,879,771, 11-14-89, Cl. 4-191.000.
- Piso, Bastiaan D. F. Floating covering for liquid storage tank. 4,842,160, 6-27-89, Cl. 220-225.000.
- Pissiotas, Georg; and Bohner, Beat, to Ciba-Geigy Corporation. Herbicidally active derivatives of N-phenyl-3,4,5,6-tetrahydrophthalimide. 4,824,476, 4-25-89, Cl. 71-095.000.
- Pissiotas, Georg: *See—*
  - Bohner, Beat; Fory, Werner; Schurter, Rolf; and Pissiotas, Georg, 4,804,757, Cl. 544-319.000.
  - Moser, Hans; Pissiotas, Georg; Brunner, Hans-Georg; Bohner, Beat; and Baumann, Marcus, 4,804,400, Cl. 71-95.000.
  - Topfl, Werner; and Pissiotas, Georg, 4,833,252, Cl. 548-186.000.
- Pistner, Timothy W., to Mobil Oil Corporation. Thermoplastic bag, bag pack and method of making the same. 4,819,806, 4-11-89, Cl. 206-554.000.
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- Pistol Brace, Inc.: *See—*
  - Griffith, Gene D., 4,843,749, Cl. 42-72.000.
- Pistoresi, Denis J., to Boeing Company, The. Method and apparatus for FEL sideband suppression. 4,845,718, 7-4-89, Cl. 372-2.000.
- Pistorius, Gary M.; and Vrtol, David A. Pocket paper shredder. 4,869,435, 9-26-89, Cl. 241-100.000.
- Pistorius, Rudolf, to Hoechst Aktiengesellschaft. Process for isolating paraffinsulfonates with a low alkali metal sulfate content and sulfuric acid from paraffin-sulfoxidation reaction mixtures without obligatory production of sodium sulfate. 4,808,343, 2-28-89, Cl. 260-513.00R.
- Pisz, Frank A.; Warnock, Arthur S.; and Heinig, Roger W., to Westinghouse Electric Corp. Turbine blade attachment. 4,824,328, 4-25-89, Cl. 416-219.00R.
- Pita, Antonio; Carro-de-la-Fuente, Guillermo; and Ruiz-Ontiveros Saul-Roman, to Vidrio Plano, S.A. Method for the manufacturing of glass sheets. 4,801,321, 1-31-89, Cl. 65-90.000.
- Pitas, Jeffery A.: *See—*
  - Stearns, Floyd E.; Pitas, Jeffery A.; LeRoy, Robert D.; and Dittel, Roger E., 4,861,015, Cl. 271-213.000.
- Pitassi, Vincent E.; and Fernandez, Angel, to Pitassi, Vincent E. Torque converter and assembly utilizing same. 4,889,013, 12-26-89, Cl. 74-752.00F.
- Pitchenik, David E., to Pitney Bowes Inc. Postage payment system where accounting for postage payment occurs at a time subsequent to the printing of the postage and employing a visual marking imprinted on the mailpiece to show that accounting has occurred. 4,796,193, 1-3-89, Cl. 364-464.020.
- Pitchford, Henry F., to Thomas, Kenneth. Moving/lifting device with a strap. 4,832,393, 5-23-89, Cl. 294-156.000.
- Pitchford, Leonard J. Dedicated foot/inch calculator. 4,860,231, 8-22-89, Cl. 364-709.070.
- Pitcraft Summit Limited: *See—*
  - Jones, Philip, 4,852,947, Cl. 299-81.000.
- Piteau, Marc: *See—*
  - Malfroot, Thierry; Piteau, Marc; and Senet, Jean-Pierre, 4,808,745, Cl. 558-277.000.
- Piteo, Michael J., to R. E. Phelon Company, Inc. Fault indicator light control circuit. 4,819,116, 4-4-89, Cl. 361-18.000.
- Pitera, Kenneth R.: *See—*
  - Lambropoulos, George; Pitera, Kenneth R.; and Hair, Robert A., 4,881,148, Cl. 361-172.000.
- Pitet, Guy; Cousse, Henri; Stenger, Antoine; Briley, Michel; and Chopin, Philippe, to Pierre Fabre Medicament. 5-monoaryl as-triazin-3-ones substituted in 2-position, and their use as medicaments. 4,851,411, 7-25-89, Cl. 514-242.000.
- Pitha, Jay R. Firebox of prefabricated blocks, assemblage therefor and method of assembly. 4,805,591, 2-21-89, Cl. 126-500.000.
- Pitha, Josef; Harman, Mitchell; and Uekama, Kaneto, to United States of America, Health and Human Services. Administration of steroid hormones. 4,877,774, 10-31-89, Cl. 514-26.000.
- Pitha, Josef: *See—*
  - Carpenter, Thomas O.; and Pitha, Josef, 4,877,778, Cl. 514-58.000.
- Pithouse, Kenneth B.; Kridl, Thomas A.; and Triplett, James T., to Raychem Corporation. Recoverable article. 4,803,103, 2-7-89, Cl. 428-34.500.
- Pithouse, Kenneth B.; Kridl, Thomas A.; and Triplett, James T., to Raychem Corporation. Recoverable article for encapsulation. 4,820,561, 4-11-89, Cl. 428-34.500.
- Pitigliano, Frank J.: *See—*
  - McGill, Paul E.; and Pitigliano, Frank J., 4,874,305, Cl. 425-131.100.
- Pitman-Moore, Inc.: *See—*
  - Chu, Alexander H. T.; and Levi, M. James, 4,871,866, Cl. 549-414.000.
  - Edwards, Carl K., III; and Yunger, Libby M., 4,837,202, Cl. 514-12.000.
  - Hilton, Matthew D.; and Cain, Wendy J., 4,871,668, Cl. 435-147.000.
  - Jacobs, Martin J., 4,849,447, Cl. 514-450.000.
  - Jacobs, Martin J., 4,886,899, Cl. 560-064.000.
  - Schricker, Brian R., 4,857,332, Cl. 424-442.000.
- Pitney Bowes Inc.: *See—*
  - Abellana, Jovito N.; and Dolan, Donald T., 4,872,521, Cl. 177-25.150.
  - Auerbach, David R., 4,852,334, Cl. 53-569.000.
  - Auerbach, David R., 4,888,938, Cl. 53-569.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,797,832, Cl. 364-478.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; Pintsov, Leon A.; Hart, William G.; and Silverberg, Morton, 4,800,505, Cl. 364-478.000.
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  - Axelrod, Barry H.; and Durst, Robert T., Jr., 4,849,884, Cl. 364-406.000.
  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,862,386, Cl. 364-518.000.
  - Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., 4,821,195, Cl. 364-464.020.
  - Bannister, Ray L.; Close, Frederick C.; and Coeber, Peter J., 4,881,460, Cl. 101-91.000.
  - Bator, Feliks; Hunter, Kevin D.; and Durst, Robert T., Jr., 4,802,541, Cl. 177-212.000.
  - Baunach, Stephen C., 4,857,910, Cl. 340-799.000.
  - Beck, Christian A.; Breslawsky, Marc C.; and Forster, Hans R., 4,816,108, Cl. 156-356.000.
  - Berson, William; Gluck, Julius; Murphy, Patrick; and Tran, Duc H., 4,860,025, Cl. 346-1.100.
  - Brookner, George M.; and Change, Sung S., 4,837,714, Cl. 364-550.000.
  - Check, Frank T.; and Sansone, Ronald P., 4,809,021, Cl. 346-108.000.
  - Chiang, Albert C., 4,816,344, Cl. 428-483.000.
  - Chickneas, Arthur A.; and Talmadge, Paul C., 4,813,912, Cl. 364-464.020.
  - Chrosny, Wojciech M.; and Maybruch, Joel, 4,802,117, Cl. 364-900.000.
  - Clark, John I.; Eckert, Alton B.; and Warren, David M., 4,829,568, Cl. 380-23.000.
  - Cohen, Jack A.; Stricker, Gordon C. E.; and Silverberg, Morton, 4,865,139, Cl. 177-4.000.
  - Cordery, Robert A., 4,849,736, Cl. 340-551.000.
  - Cordery, Robert A.; and Hubbard, David W., 4,856,602, Cl. 177-210.0FP.
  - Coville, William W., 4,858,174, Cl. 364-900.000.
  - Daniels, Edward P., Jr., 4,814,995, Cl. 364-464.020.
  - Dannatt, Hugh S., 4,852,786, Cl. 226-137.000.
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  - Durst, Robert T., Jr.; and Schmidt, Alfred C., 4,796,196, Cl. 364-478.000.
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  - Jones, Howell A., 4,835,697, Cl. 364-464.020.
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  - Nobile, John R., 4,881,461, Cl. 101-235.000.
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  - O'Dea, Kevin J., 4,873,941, Cl. 118-669.000.
  - Pastor, Jose, 4,835,713, Cl. 364-519.000.
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  - Pintsov, Leon A; and Tracy, Robert A., 4,829,443, Cl. 364-464.030.
  - Pirc, Vladimir V., 4,842,084, Cl. 177-145.000.
  - Pirc, Vladimir V.; and Alesi, Thomas W., Jr., 4,844,188, Cl. 177-145.000.
  - Pitchenik, David E., 4,796,193, Cl. 364-464.020.
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  - Sansone, Ronald P.; Gelfer, George G.; Taylor, Michael P.; and Axelrod, Barry H., 4,837,701, Cl. 364-464.030.
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  - Sansone, Ronald P.; and Chrosny, Wojciech M., 4,855,920, Cl. 364-464.020.
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  - Spinner, Georg; and Pitschi, Franz-Xaver, 4,808,124, Cl. 439-578.000.
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  - Byron, Kevin C.; Bricheno, Terry; Fielding, Alan; Pitt, Nicholas J.; and Baker, Robert A., 4,863,231, Cl. 350-96.160.
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  - Dubs, Paul; and Pitteloud, Rita, 4,810,740, Cl. 524-333.000.
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  - Haynes, Charles W.; and Pitts, Adrian E., 4,827,808, Cl. 81-57.180.
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  - Allen, John T.; Pitts, Alan J.; Roberts, Don M.; and Cogbill, Randall B., 4,850,423, Cl. 165-5.000.
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- Pitts, Thomas H. Submerged ocean current electrical generator and method for hydrogen production. 4,850,190, 7-25-89, Cl. 60-398.000.
- Pitts, Warren R., to Dennison Manufacturing Company. Adjustable file folder. 4,830,268, 5-16-89, Cl. 229-68.00R.
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- Pittsburgh Corning Corporation: *See—*
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  - Bellavia, Nicholas J.; Birk, Daniel J.; Conforti, Fred J.; and Sisselman, Ronald, 4,827,244, Cl. 340-514.000.
  - Greenebaum, James E., II, 4,813,576, Cl. 222-394.000.
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  - Spang, Kim J.; Minarik, Daniel; and MacPherson, William H., 4,829,283, Cl. 340-506.000.
  - Young, William A., 4,823,051, Cl. 315-155.000.
  - Young, William A.; Ko, Wai-Shing; Davidson, Curtis R.; and Whitehurst, Thomas, 4,873,469, Cl. 315-155.000.
- Pituch, Thomas R.: *See—*
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- Piveteau, Claude, to Wichard, Societe Anonyme of France. Device for automatically securing a hoist. 4,887,542, 12-19-89, Cl. 114-108.000.
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  - Morz, Gunter; Weiser, Wolfgang; Lenz, Sigmund; and Pivit, Erich, 4,810,979, Cl. 333-1.100.
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- Piwinski, John J.; Green, Michael J.; Ganguly, Ashit K.; Wong, Jesse K.; Katchen, Bernard; and Cramer, Jeffrey, to Schering Corporation. Antiallergic 6,11-dihydro-11-(4-piperidylidene)-5H-benzo(5,6)cyclohepta(1,2-B)pyridines. 4,804,666, 2-14-89, Cl. 514-278.000.
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- Pizziconi, Vincent B.; and Towe, Bruce C. Method and apparatus for withdrawing, collecting and biosensing chemical constituents from complex fluids. 4,832,034, 5-23-89, Cl. 128-632.000.
- Pizzolante, John M. Stabilized alkaline picrate reagent for jaffe creatinine determination. 4,818,703, 4-4-89, Cl. 436-98.000.
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- PK Products, Inc.: *See—*
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- PKL Papier- und Kunstoff Werke Linnich GmbH: *See—*
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- Place, John F.; and Bregnard, Andre, to IntraCel Corporation. Apparatus for casting thin layer gel media in a mould and subsequently using gel for electrophoretic separation without removing it from the mould. 4,810,183, 3-7-89, Cl. 425-434.000.
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- Plachetta, Christoph; McKee, Graham E.; and Weiss, Hans-Peter, to BASF Aktiengesellschaft. Fireproofed thermoplastic molding materials containing red phosphorus and based on polyesters or polyamides. 4,877,823, 10-31-89, Cl. 524-80.000.
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- Placzek, Wieslaw: *See—*
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  - Mosley, Ronald B.; Sparks, Leslie E.; and Plaks, Norman, 4,822,381, Cl. 55-2.000.
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- Plambeck, Eric D.; Walker, Thomas A.; and Karr, Randall W., to Millennia Design, Inc. Flying disk with centrifugally activated sound generator. 4,869,699, 9-26-89, Cl. 446-47.000.
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- Plampin, James N.: *See—*
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  - Barrow, William A.; and Tuenge, Richard T., 4,801,844, Cl. 313-509.000.
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- Plancon, Michel; and Bertrix, Michel, to Timex Corporation. Stepping motor rotor assembly for an electronic timepiece. 4,888,507, 12-19-89, Cl. 310-40.0MM.
- Planeta, Mirek. Air rings for production of blown plastic film. 4,826,414, 5-2-89, Cl. 425-72.100.
- Planetroll Antriebe GmbH: *See—*
  - Kreuzer, Hubert, 4,856,374, Cl. 74-740.000.
- Plangger, Rico; and Prochazka, Kamil, to BBC Brown Boveri AG. Spring-loaded centrifugal switch element. 4,812,602, 3-14-89, Cl. 200-80.00R.
- Plank, David C.: *See—*
  - Krug, George C.; Beeler, Donald J.; Plank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., 4,806,140, Cl. 65-290.000.
- Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, to Rheinisch-Westfalische Kalwerke AG. Process and device for mechanically removing the surface of lumped goods. 4,878,623, 11-7-89, Cl. 241-5.000.
- Plank, Johann: *See—*
  - Aignesberger, Alois; and Plank, Johann, 4,818,288, Cl. 106-90.000.
- Plank, Peter F.: *See—*
  - Pray, Edward R.; Stoll, John R.; and Plank, Peter F., 4,866,102, Cl. 521-137.000.
- Plank, Uto; Neumaier, Anton; and Manschitz, Erwin, to Hilti Aktiengesellschaft. Variably operable hand-held device. 4,878,679, 11-7-89, Cl. 279-19.400.
- Plank, Uto: *See—*
  - Neumaier, Anton; and Plank, Uto, 4,830,549, Cl. 408-9.000.
- Plank, Vernon G., to United States of America, Air Force. Particulate mass measuring apparatus. 4,815,314, 3-28-89, Cl. 73-28.000.
- Planke, Tore; Nordbryhn, Andreas; and Solnordal, Steinar, to A/S Tomra Systems. Apparatus for generating detecting and characterizing a raster image of an object. 4,859,862, 8-22-89, Cl. 250-560.000.
- Plankenhorn, Daniel J.; Gregson, Victor G.; and Horne, John G., to Westinghouse Electric Corp. High power laser beam intensity mapping apparatus. 4,828,384, 5-9-89, Cl. 356-121.000.
- Planmeca Oy: *See—*
  - Strommer, Pekka; and Virta, Arto, 4,860,330, Cl. 378-162.000.
- Planmoebel Eggersman GmbH & Co. KG: *See—*
  - Moll, Reiner; and Utz, Andreas, 4,879,955, Cl. 108-50.000.
- Plannja AB: *See—*
  - Kero, Ernst, 4,862,666, Cl. 52-630.000.
- Plant, Anthony B., to Lucas Industries Public Limited Company. Circuit arrangement for detecting a critical frequency of input pulses. 4,882,545, 11-21-89, Cl. 328-138.000.
- Plant Cell Research Institute, Inc.: *See—*
  - Burke, Basil A.; and Nair, Muraleedharan G., 4,876,277, Cl. 514-465.000.
- Plant, David D., to Geraldton Waxflower Marketers Pty. Ltd. Inflatable building structure. 4,805,355, 2-21-89, Cl. 52-1.000.
- Plant, Ernest M., II: *See—*
  - Pietrzak, Gary F.; and Plant, Ernest M., II, 4,809,806, Cl. 180-148.000.
- Plant Genetic Systems N.V.: *See—*
  - Vandekerckhove, Joel S., 4,839,231, Cl. 428-441.000.
- Plant Genetics, Inc.: *See—*
  - Romaine, C. Peter; Nelsen, Charles E.; and Davis, Roxanne, 4,803,800, Cl. 47-1.100.
  - Stuart, David A.; Strickland, Steven G.; and Nichol, James W., 4,801,545, Cl. 435-240.450.
  - Stuart, David A.; and Strickland, Steven G., 4,818,693, Cl. 435-240.490.
- Plant, John D., to PCM (Long Buckby) Engineering Ltd. Vehicle recovery unit. 4,842,472, 6-27-89, Cl. 414-563.000.
- Plant, Lawrence B., to General Motors Corporation. Method of countergravity casting. 4,848,439, 7-18-89, Cl. 164-16.000.
- Plant-Tech, Inc: *See—*
  - Lyon, William, 4,807,394, Cl. 47-79.000.
- Plante, Leo J.: *See—*
  - Rattray, Kendrick D.; and Plante, Leo J., 4,843,279, Cl. 313-487.000.
- Plante, Manon, to Mitel Corporation. Method for diffusing P-type material using boron disks. 4,857,480, 8-15-89, Cl. 437-168.000.
- Plante, Robert F., to Whirlpool Corporation. Method for forming large objects such as refrigerator liners from crystalline synthetic resins. 4,842,742, 6-27-89, Cl. 264-522.000.
- Plantefeve, Jean-Claude; and Rene, Michel, to Societe de Conseils de Recherches et d'Applications Scientifiques. Modified clays, preparation thereof and therapeutical compositions containing the same. 4,839,173, 6-13-89, Cl. 424-683.000.
- Planteline, Pierre, to Bull, S.A. Apparatus for transferring data between a microprocessor and a memory. 4,855,901, 8-8-89, Cl. 364-200.000.
- Plantenga, Tjalling M.; and Mulder, Gerhardus J., to Joh. Enschede En Zonen Grafische Inrichting B.V. Paper object printed with ink and coated with a protective layer. 4,830,902, 5-16-89, Cl. 428-207.000.
- Plantholt, Martin, to Deutsche Thomson-Brandt GmbH. Method of compatibiy increasing resolution in a color television system. 4,800,427, 1-24-89, Cl. 358-141.000.
- Plantholt, Martin: *See—*
  - Platte, Hans-Joachim; Keesen, Heinz-Werner; Plantholt, Martin; Schutze, Herbert; and Haupt, Dieter, 4,864,409, Cl. 358-222.000.
- Plantier, Jean-Louis. Vault structure for protection of roadways against snow. 4,885,879, 12-12-89, Cl. 52-63.000.
- Plantronics, Inc.: *See—*
  - Young, Robert F.; and Kraz, Vladimir, 4,879,746, Cl. 379-399.000.
- Plantureux, Alain M.: *See—*
  - Magnien, Emile G.; and Plantureux, Alain M., 4,835,987, Cl. 63-28.000.
  - Magnien, Emile G.; and Plantureux, Alain M., 4,866,823, Cl. 29-10.000.
- Plapp, Christopher V.; Plapp, Frederick A.; and Plapp, Frederick V. Vial stopper removal device. 4,841,818, 6-27-89, Cl. 81-3.080.
- Plapp, Frederick A.: *See—*
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- Plapp, Frederick V.: *See—*
  - Plapp, Christopher V.; Plapp, Frederick A.; and Plapp, Frederick V., 4,841,818, Cl. 81-3.080.
  - Sinor, Lyle T.; Plapp, Frederick V.; and Rachel, Jane M., 4,816,413, Cl. 436-520.000.
- Plaquin, Bernard; and Bounie, Paul, to Vallourec. Steel tube threaded joint having an impervious device at the level of the threading. 4,828,295, 5-9-89, Cl. 285-334.000.
- Plaquin, Bernard: *See—*
  - Bounie, Paul; and Plaquin, Bernard, 4,828,294, Cl. 285-334.000.
- Plard, Christian: *See—*
  - Jatteau, Michel R.; Lelong, Pierre H.; Pauzat, Vincent; and Plard, Christian, 4,881,171, Cl. 364-413.240.
- Plas, Danielle: *See—*
  - Kiechel, Jean-Rene; Acezat-Mispelter, Francoise; and Plas, Danielle, 4,885,305, Cl. 514-356.000.
- Plas/Steel Products, Inc.: *See—*
  - Shobert, James P.; and Fish, Elson B., 4,857,124, Cl. 156-149.000.
- Plaschka, Reinhard: *See—*
  - Mayrhofer, Otto; Fuhrmann, Hartmut; and Plaschka, Reinhard, 4,846,065, Cl. 101-453.000.
- Plaschke, Herbert: *See—*
  - Bauer, Walter; Schmidt, Manfred; Plaschke, Herbert; and Butz, Otto, 4,819,317, Cl. 29-407.000.

Plaschy, Martin, to Zellweger Uster Ltd. Monitoring device for double threads in warp tying machines. 4,805,276, 2-21-89, Cl. 28-187.000.
Plasco, Inc.: *See—*
Eisenberg, Melvin I.; and Westfall, Mark, 4,819,628, Cl. 128-203.110.
Plascore, Inc.: *See—*
Huebner, Fritz, 4,872,504, Cl. 165-54.000.
Plasko, Emil R., to Therm-O-Disc, Incorporated. Thermal cutoff heater. 4,821,010, 4-11-89, Cl. 337-405.000.
Plasma Energy Corporation: *See—*
Lindsay, Richard D., 4,877,448, Cl. 75-10.210.
Plasma Holdings N.V.: *See—*
Tylko, Jozef K., 4,801,435, Cl. 422-186.040.
Plasma-Invent AG: *See—*
Muntwyler, Peter, 4,809,947, Cl. 251-11.000.
Plasmainvent AG, Im Oberleh 2: *See—*
Gruner, Heiko, 4,808,487, Cl. 428-610.000.
Plasmon Data Systems, Inc.: *See—*
Longman, Robert J.; Helfet, Peter R.; and Storey, Philip A., 4,866,696, Cl. 369-275.000.
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Gardner, Keith; Longman, Robert J.; Pettigrew, Robert M.; and Welford, Walter T., 4,802,736, Cl. 350-163.000.
Plasscheart, Paul E., to Delphax Systems. Duplex printing device. 4,879,571, 11-7-89, Cl. 355-26.000.
Plasson Maagan Michael Industries Ltd.: *See—*
Uri, Ehud, 4,852,522, Cl. 119-72.000.
Plastech International, Inc.: *See—*
Wise, Thomas W., 4,848,580, Cl. 206-519.000.
Wise, Thomas W., 4,848,605, Cl. 222-608.000.
Plastic Development, Inc.: *See—*
Duarte, William S., 4,826,022, Cl. 211-59.700.
Elkin, Alfred A.; and Costa, Sylvestre M., 4,874,446, Cl. 156-66.000.
Plastic Profiles, Inc.: *See—*
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Uhlig, Albert R., 4,878,595, Cl. 220-306.000.
Plastic Welding Technologies, Inc.: *See—*
Jensen, Richard K.; and Mandano, Barbara, 4,857,129, Cl. 156-273.700.
Plasticolors, Inc.: *See—*
Speelman, David J.; and Virant, Allen J., 4,839,405, Cl. 524-99.000.
Plasticon Patents, S.A.: *See—*
Strassheimer, Herbert, 4,880,593, Cl. 264-532.000.
Strassheimer, Herbert, 4,885,197, Cl. 428-36.920.
Plastics Engineering Company: *See—*
Liang, Yeon F., 4,889,898, Cl. 525-67.000.
Waitkus, Phillip A., 4,880,893, Cl. 528-129.000.
Plastics, Inc.: *See—*
Pomroy, James F., 4,809,868, Cl. 220-260.000.
Pomroy, James F.; and Colato, Albert E., 4,886,948, Cl. 219-10.55F.
Plastiflex Company International: *See—*
Finley, Richard O., 4,808,081, Cl. 417-57.000.
Plastipak Packaging, Inc.: *See—*
Darr, Richard C., 4,802,295, Cl. 40-310.000.
Plastiroute S.A.: *See—*
Bollag, Moses, 4,856,931, Cl. 404-75.000.
Plastmo Ltd.: *See—*
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Plastofilm Industries, Inc.: *See—*
Rosten, David B.; Perchak, William C.; Foos, Douglas E.; Partlow, Richard L., Jr.; and Buhrke, Gary G., 4,819,829, Cl. 220-346.000.
Plastoform GmbH & Co. KG: *See—*
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Plastro-Gvat: *See—*
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Greenberg, Ilan, 4,805,838, Cl. 239-222.170.
Plata, Hector: *See—*
Pate, Charles D.; Young, Bob R.; and Plata, Hector, 4,852,393, Cl. 73-49.500.
Plate, Gary; and Hattem, Nicolaas V., to ATR Equipment Industries Limited. Reciprocating heat sealing means. 4,863,544, 9-5-89, Cl. 156-251.000.
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Platen, Martin: *See—*
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Plath, Ernst-Dieter, to Sipra Patententwicklungs-und Beteiligungsgesellschaft mbH. Knitting machine. 4,848,104, 7-18-89, Cl. 66-54.000.
Plath, Peter; Eicken, Karl; Zeeh, Bernd; Eichenauer, Ulrich; Hagen, Helmut; Kohler, Rolf-Dieter; Meyer, Norbert; and Wuerzer, Bruno, to BASF Aktiengesellschaft. Oxime esters of substituted quinoline-8-carboxylic acids and use thereof as herbicides. 4,808,212, 2-28-89, Cl. 71-94.000.
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Hagen, Helmut; Eichenauer, Ulrich; Plath, Peter; Meyer, Norbert; and Wuerzer, Bruno, 4,797,148, Cl. 71-94.000.
Hagen, Helmut; Eichenauer, Ulrich; Kohler, Rolf-Dieter; Plath, Peter; Liese-Sauer, Thomas; Eicken, Karl; Wuerzer, Bruno; and Meyer, Norbert, 4,804,404, Cl. 71-94.000.
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Plato Products, Inc.: *See—*
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Platone, Edoardo: *See—*
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Platonov, Viktor S.: *See—*
Bogdanov, Vasily S.; Netesin, Alexandr D.; Miroshnichenko, Ivan I.; Bogdanov, Nikolai S.; Khlusov, Vladimir B.; Platonov, Viktor S.; and Shevchenko, Ivan N., 4,867,322, Cl. 241-72.000.
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Platt, Brian L.; and Gupta, Bharat B., to St. Ivel Limited. Low fat spread and process for preparing same. 4,865,867, 9-12-89, Cl. 426-603.000.
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Platt, Karl E.; and Scheerer, Nikolaus H. E. Device for the simulation of radar targets in laboratory tests of radar seekers. 4,823,132, 4-18-89, Cl. 342-169.000.
Platt, Kenneth B., to Iowa State University Research Foundation, Inc. Immunoassay for antibodies to pseudorabies virus using medium-elaborated viral antigenic factor. 4,820,629, 4-11-89, Cl. 435-5.000.
Platt, Norma B.: *See—*
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Platt, Paul E., to Cypress Semiconductor. Output buffer tri-state noise reduction circuit. 4,877,978, 10-31-89, Cl. 307-473.000.
Platt, Ronald, to Crane Carton Company. Wedge shape carton and blank. 4,798,323, 1-17-89, Cl. 229-115.000.
Platt Saco Lowell Corporation: *See—*
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Platt, Steven G.: *See—*
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Platt, William J.; and Gillenwater, Paul C., to National Rolling Mills Inc. Tier drop grid system. 4,794,745, 1-3-89, Cl. 52-484.000.
Platt, William J., to National Rolling Mills, Inc. Interlocking cross tee. 4,827,681, 5-9-89, Cl. 52-98.000.
Platt, William J., to National Rolling Mills, Inc. Fire strip. 4,864,79 9-12-89, Cl. 52-317.000.
Platte, Hans-Joachim; Keesen, Heinz-Werner; Plantholt, Martin; Schutze, Herbert; and Haupt, Dieter, to Deutsche Thomson-Brandt GmbH. Television camera acceleration compensation apparatus. 4,864,409, 9-5-89, Cl. 358-222.000.
Platteschorre, Kornelis; and Herbruck, Harry W., Jr. Egg cooking apparatus. 4,862,790, 9-5-89, Cl. 99-353.000.
Plattner, Andrew J. Soil sterilizer. 4,873,789, 10-17-89, Cl. 47-1.420.
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Luly, Jay R.; Plattner, Jacob J.; and Kempf, Dale J., 4,845,079, Cl. 514-18.000.
Rosenberg, Saul H.; Luly, Jay R.; and Plattner, Jacob J., 4,837,204 Cl. 514-18.000.
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Platzer, Herbert: *See—*
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Platzer, Hubert; and Roland, Helmut, to Dipl. Ing. Hitzinger Gesellschaft mbH. Brushless synchronous motor with short-circuited protective winding for the field winding of the rotor. 4,825,138, 4-25-89 Cl. 318-716.000.
Platzer, Stephan J. W., to Hoechst Celanese Corporation. Negative working color proofing process comprising diazo compound and polyvinyl acetal/polyvinyl alcohol/polyvinyl acetate resin. 4,808,508, 2-28-89, Cl. 430-143.000.
Platzer, Wolfgang P. Arrangement for increased passengers utilization in mobile units. 4,854,245, 8-8-89, Cl. 105-317.000.
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Plavac, Frank; and Wollenberg, Robert H., to Chevron Research Company. Modified succinimides (x). 4,798,612, 1-17-89, Cl. 44-63.000.
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Wollenberg, Robert H.; and Plavac, Frank, 4,802,893, Cl. 252-49.600.
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Plavskikh, Vladimir D.: *See—*
Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeny N.; and Karavaev, Andron T., 4,819,741, Cl. 173-91.000.
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Playe, Patrice, to La Telephonie Industrielle et Commerciale Telic Alcatel. Device for removing electrostatic charge. 4,831,488, 5-16-89, Cl. 361-221.000.
Player, Kenneth W.: *See—*
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Playground Clearing House, Inc.: *See—*
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Pleasant, Ronald E. Molding apparatus. 4,828,479, 5-9-89, Cl. 425-192.00R.
Pleet, Lawrence: *See—*
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Pleitner, Peter K.; and Vincent, Robert K., to GeoSpectra Corporation. System for determining the attitude of a moving imaging sensor platform or the like. 4,802,757, 2-7-89, Cl. 356-2.000.
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Plempel, Manfred: *See—*
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Pleschiutschnigg, Fritz P.: *See—*
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Plescia, Carl T.: *See—*
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Pleshkov, Viktor I.: *See—*
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Bozhko, Valery P.; Losev, Alexei V.; Strizhenko, Vitaly; Pleshkov, Viktor I.; and Levityansky, Ivan A., 4,796,868, Cl. 266-51.000.
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Plesniarski, Edward J., to General Motors Corporation. Seat belt buckle for child restraint. 4,822,104, 4-18-89, Cl. 297-468.000.
Pless, Benjamin; Sweeney, Michael; and Winkle, Roger, to Ventritex. Apparatus for stimulating the heart with protected pacer. 4,827,936, 5-9-89, Cl. 128-419.00D.
Pless, Benjamin; and Ryan, John G., to Ventritex. Power supply down-conversion, regulation and low battery detection system. 4,868,908, 9-19-89, Cl. 323-267.000.
Pless, Benjamin D.; and Sweeney, Michael B., to Intermedics, Inc. Pacemaker for detecting and terminating a tachycardia. 4,872,459, 10-10-89, Cl. 128-419.0PG.
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Plessey Australia Pty. Limited: *See—*
Jackett, Stephen G.; Kastel, Stephen N.; and Jandera, Zdenek, 4,862,428, Cl. 367-155.000.
Jandera, Zdenek; and Bedwell, Ian R., 4,878,207, Cl. 367-155.000.
Plessey Company plc, The: *See—*
Ansell, John W.; Chopping, Geoffrey; and Waters, Richard N., 4,858,223, Cl. 370-14.000.
Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, 4,838,634, Cl. 350-96.120.
Brettle, Jack; and Trundle, Clive, 4,812,171, Cl. 106-21.000.
Chopping, Geoffrey; and Maric, Milan Z., 4,864,556, Cl. 370-16.000.
Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,888,603, Cl. 346-160.000.
Heller, Harry G.; Oliver, Stephen N.; Whittall, John; Brettle, Jack; Trundle, Clive; and Baskerville, Martin W., 4,818,096, Cl. 351-163.000.
Heller, Harry G.; Oliver, Stephen N.; Whittall, John; and Tomlinson, Ian, 4,826,977, Cl. 544-70.000.
Trundle, Clive, 4,861,899, Cl. 549-58.000.
Plessey Electronic Systems Corp.: *See—*
Fuchs, Charles R.; Haessig, David A., Jr.; Heckathorn, David L.; Kass, Jordan S.; Lindsay, Peter; and Volpe, Joseph J., 4,881,800, Cl. 350-500.000.
Plessey Incorporated: *See—*
Barba, Valentin G.; and Shube, Eugene E., 4,823,063, Cl. 318-689.000.
Shube, Eugene E., 4,858,491, Cl. 74-665.00B.
Plessey Overseas Limited: *See—*
Abbott, Adrian, 4,819,431, Cl. 60-204.000.
Bennion, Ian; Rowe, Christopher J.; and Reid, Douglas C. J., 4,795,226, Cl. 350-96.150.
Bennion, Ian; Cush, Rosemary; and Groves-Kirkby, Christopher J., 4,834,511, Cl. 350-354.000.
Bennion, Ian; Whatmore, Roger W.; and Stewart, William J., 4,867,543, Cl. 350-384.000.
Carroll, Edward J.; and Walker, Nigel, 4,887,314, Cl. 455-619.000.
Cowley, Nicholas P., 4,806,872, Cl. 329-103.000.
Cowley, Nicholas P., 4,806,878, Cl. 331-1.00A.
Cowley, Nicholas P.; Lawton, Rodney J.; and McClelland, Thomas D. S., 4,810,976, Cl. 331-117.00R.
Cowley, Nicholas P., 4,862,109, Cl. 331-16.000.
Cowley, Nicholas P., 4,862,515, Cl. 455-183.000.
Dakin, John P.; Wade, Christopher A.; and Pratt, David J., 4,849,960, Cl. 370-3.000.
Dakin, John P., 4,853,534, Cl. 250-227.000.
Dakin, John P.; and Wade, Christopher A., 4,861,980, Cl. 250-227.000.
Dakin, John P., 4,885,462, Cl. 250-227.000.
Dakin, John P.; and Pratt, David J., 4,888,480, Cl. 250-226.000.
Davies, Guy E., 4,856,734, Cl. 244-3.220.
Davis, Richard; Goodfellow, Robert C.; and Morgan, Peter J., 4,867,371, Cl. 228-160.000.
Duthie, Peter J., 4,818,050, Cl. 350-96.140.
Dyer, Nigel P., 4,864,526, Cl. 364-724.100.
Foster, David J.; and Pickering, Andrew J., 4,837,179, Cl. 437-44.000.
Galpin, Robert K. P., 4,890,298, Cl. 375-14.000.
Goddard, John; and Taylor, Peter, 4,883,410, Cl. 417-69.000.
Hart, Peter B.; Chilton, George A. A.; and Kirk, Richard A., 4,857,944, Cl. 346-154.000.
Jackson, Thomas, 4,800,342, Cl. 331-10.000.
Jarrett, Adrian, 4,849,712, Cl. 330-283.000.
Jarrett, Adrian E., 4,888,502, Cl. 307-520.000.
Kirk, Richard A.; Lee, Peter R.; Hart, Peter B.; Chilton, George A. A.; and Cobb, Alan J., 4,884,086, Cl. 346-155.000.
Lamb, Chris; and Wade, Chris, 4,825,424, Cl. 367-141.000.
Lane, Anthony A., 4,853,658, Cl. 333-164.000.
Laws, Peter G., 4,806,880, Cl. 331-8.000.
Laws, Peter G., 4,853,943, Cl. 375-87.000.
Linda, Martin J.; and Griffin, Kevin S., 4,815,072, Cl. 370-84.000.
Mapleston, David B., 4,870,416, Cl. 341-110.000.
Moon, Philip A. K.; and Atkinson, Simon, 4,833,344, Cl. 307-296.600.
Morgan, Peter J.; Carter, Andrew C.; Davis, Richard; and Randle, Frederick A., 4,836,633, Cl. 350-96.180.
Osbond, Paul C.; Oswald, Catherine S.; and Whatmore, Roger W., 4,869,840, Cl. 252-62.900.

- Pedder, David J.; Watson, Paul; and Bache, Richard A. C., 4,847,500, Cl. 250-338.300.
- Pratt, David J., 4,865,416, Cl. 350-96.290.
- Richards, Lawrence J., 4,795,904, Cl. 250-332.000.
- Richardson, Christopher K., 4,878,251, Cl. 455-206.000.
- Scott, Darak M., and Davies, Richard, 4,869,284, Cl. 137-100.000.
- Scott, Michael D.; and Moore, Alan H., 4,797,374, Cl. 437-129.000.
- Skinner, Alexander, 4,887,902, Cl. 356-373.000.
- Smedley, Colin P.; and Linda, Martin J., 4,811,358, Cl. 375-8.000.
- Stewart, William J., 4,857,273, Cl. 422-68.000.
- Stewart, William J., 4,877,747, Cl. 436-525.000.
- Storrow, Alan J.; and Knighton, Nigel J., 4,879,634, Cl. 361-388.000.
- Taylor, Peter J., 4,877,377, Cl. 417-89.000.
- Taylor, Stephen J., 4,887,271, Cl. 372-29.000.
- Wade, Christopher A., 4,856,092, Cl. 455-609.000.
- Whatmore, Roger W.; Munns, Andrew G.; and Lane, David W., 4,876,776, Cl. 29-25.350.
- Wood, Ian C.; and Taylor, David G., 4,823,315, Cl. 365-155.000.

Plested, Graham N.: *See—*
- Flemming, Michael A.; and Plested, Graham N., 4,818,930, Cl. 324-58.50B.
- Flemming, Michael A.; and Plested, Graham N., 4,829,233, Cl. 324-58.50C.
- Flemming, Michael A.; and Plested, Graham N., 4,866,370, Cl. 324-518.00C.

Plester, George; Leddon, Warren E.; and Dalsis, David E., to Coca-Cola Company, The. Methods of discriminating between contaminated and uncontaminated containers. 4,830,192, 5-16-89, Cl. 209-3.100.

Plester, George, to Coca-Cola Company, The. Full water treatment apparatus for use in soft drink dispensing system. 4,844,796, 7-4-89, Cl. 210-100.000.

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Pletcher, Charles D., to Philip Morris Incorporated. Means for detecting metal in a stream of particulate matter. 4,839,602, 6-13-89, Cl. 324-57.00Q.

Pletsch, Hubert: *See—*
- Wolf, Franz J.; Pletsch, Hubert; Weber, Otto; and Keck, Volkamr, 4,807,857, Cl. 267-140.300.
- Wolf, Franz J.; and Pletsch, Hubert, 4,861,003, Cl. 267-140.100.
- Wolf, Franz J.; and Pletsch, Hubert, 4,887,801, Cl. 267-140.100.

Plett, Delmer: *See—*
- Dueck, Willie B.; and Plett, Delmer, 4,809,921, Cl. 242-56.00R.

Plevyak, Jerome B.; and Nicoletti, Adolph E., to Computer Gaming Systems, Inc. Computerized card shuffling machine. 4,832,342, 5-23-89, Cl. 273-149.00R.

Plew, Theodore G.: *See—*
- Burreson, Jay B.; Neels, William B.; Plew, Theodore G.; and Borger, James H., 4,882,174, Cl. 426-1.000.

Plewes, Donald B., to University of Rochester. X-ray machine. 4,875,226, 10-17-89, Cl. 378-146.000.

Plewman, Dale, to Columbia Lighting, Inc. Indirect luminaire. 4,866,584, 9-12-89, Cl. 362-225.000.

Plewright, William B.; Weir, Kenneth O.; and Patterson, Richard J. Patient transfer and conveying vehicle. 4,839,933, 6-20-89, Cl. 5-81.00R.

Plexus Ocean Systems Limited: *See—*
- van Bilderbeek, Bernard H., 4,794,988, Cl. 166-345.000.
- Van Bilderbeek, Bernard H.; and Milne, Ian F., 4,856,592, Cl. 166-285.000.

Plice, Gerald W., to Shure Brothers, Inc. Wind and breath noise protector for microphones. 4,887,693, 12-19-89, Cl. 181-242.000.

Plichta, Edward J.; and Salomon, Mark, to United States of America, Army. Method of making a cathode for use in a rechargeable lithium battery, cathode so made, and rechargeable lithium battery including the cathode. 4,818,647, 4-4-89, Cl. 429-218.000.

Plicon Corporation: *See—*
- Hoffman, Kenneth, 4,879,430, Cl. 428-35.100.

Pliefke, Engelbert; and Mohr, Dieter, to Hoechst Aktiengesellschaft. Process for the electrochemical graining of aluminum for use in printing plate supports. 4,824,535, 4-25-89, Cl. 204-129.750.

Pliefke, Engelbert; and Frass, Werner, to Hoechst Aktiengesellschaft. Process for the selective additive correction of voids in copying layers. 4,834,844, 5-30-89, Cl. 204-16.000.

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Plier, Douglas W. Aeronautic chart removably attachable course and position locator. 4,866,852, 9-19-89, Cl. 33-431.000.

Plihal, Manfred, to Siemens Aktiengesellschaft. Monolithically integrated waveguide-photodiode combination. 4,835,575, 5-30-89, Cl. 357-30.000.

Pliml, Frank V., Jr.: *See—*
- Libby, Scott A.; Pliml, Frank V., Jr.; Johnson, William M.; Armstrong, Laurence P.; and Peterson, James L., 4,850,078, Cl. 16-100.000.

Plimley, Raymond E.: *See—*
- Williamson, Edward J.; Garrett, David; Goodridge, Francis; and Plimley, Raymond E., 4,832,813, Cl. 204-272.000.

Plischke, Josef: *See—*
- Klein, Lutz; Panofski, Ernst; Eckstein, Gerd-Otto; Schmidt, Hans; and Plischke, Josef, 4,801,323, Cl. 65-108.000.

Plischke, Lemoyne W.; and Danly, Donald E., to Monsanto Company. Process for preparing heat and light stabilized Nylon 66 polymer. 4,851,466, 7-25-89, Cl. 524-413.000.

Plissonnier, Bernard, to Compagnie Plastic Omnium. Baskets for the handling of semiconductor components. 4,809,641, 3-7-89, Cl. 118-500.000.

Plitt, Cheryl A.; and Dutcher, James C. Splash guard for outboard motor. 4,875,882, 10-24-89, Cl. 440-66.000.

PLM AB: *See—*
- Ingemann, Ole, 4,795,055, Cl. 220-270.000.
- Ingemann, Ole, 4,836,401, Cl. 220-83.000.
- Oehlenschlaeger, Ulla; Pedersen, Jan R.; and Sorensen, Erling, 4,857,369, Cl. 428-35.700.

Plocek, Edward J.; Colleran, Stephen A.; Roberts, James T.; and Silbernagel, Raymond A., to Molex Incorporated. Chip carrier and header assembly and terminals therefor. 4,826,440, 5-2-89, Cl. 439-70.000.

Plociennik, James J.: *See—*
- Smith, Donald W.; and Plociennik, James J., 4,861,191, Cl. 404-104.000.

Ploeg, Johannes E. G.: *See—*
- Dewitz, Thomas S.; Turner, Louis H., III; Ploeg, Johannes E. G.; Van Kessel, Matheus M.; Scott, Andrew M.; and Everts, Rudi, 4,865,627, Cl. 55-20.000.

Ploeg, Jozinus; and Jamieson, Wayne W., to Canadian Patents and Development Limited. Water wave absorber. 4,836,709, 6-6-89, Cl. 405-31.000.

Ploeger, Walter: *See—*
- Klueppel, Hans-Juergen; Ploeger, Walter; Rutzen, Horst; and Lehmann, Rudolf, 4,820,507, Cl. 424-54.000.

Ploet, Jean-Marie: *See—*
- Guyader, Roger; and Ploet, Jean-Marie, 4,821,314, Cl. 379-376.000.

Plofchan, Fred A. Reflector with curved dual involute surface. 4,843,521, 6-27-89, Cl. 362-16.000.

Ploger, Robert R., III: *See—*
- Estrada, Suzanne L.; and Ploger, Robert R., III, 4,855,905, Cl. 364-200.000.

Ploix, Jean L.; and Trotel, Jacques, to Thomson-CSF. Radiological scanning apparatus. 4,807,270, 2-21-89, Cl. 378-146.000.

Ploix, Jean L., to Thomson-CGR. Radiological installation using a camera television with low-remanence pick-up element. 4,847,66, 7-11-89, Cl. 358-93.000.

Plonka, Gunter: *See—*
- Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurgen; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Plontges, Margret; and Cox, Herbert, to Verseidag Industrietextilien GmbH. Sheetlike structure of fibers, especially as a reinforcement for plastics components. 4,857,379, 8-15-89, Cl. 428-102.000.

Plonus, Martin A.: *See—*
- Murphy, Gordon J.; and Plonus, Martin A., 4,857,759, Cl. 307-141.000.

Ploog, Klaus: *See—*
- Schubert, Erdmann; Ploog, Klaus; Fischer, Albrecht; and Horikoshi, Yoshiji, 4,882,609, Cl. 357-22.000.

Ploog, Uwe; Busch, Peter; Thiele, Klaus; Hoffkes, Horst; and Gienk, Karl, to Henkel Kommanditgesellschaft auf Aktien. Hair-treatment preparation for improved wet combability. 4,803,068, 2-7-89, Cl. 424-70.000.

Ploog, Uwe; Uphues, Guenter; and Nikolaus, Peter, to Henkel Kommanditgesellschaft auf Aktien. Process for the production of low-viscosity amphoteric surfactants. 4,833,253, 5-23-89, Cl. 548-352.000.

Ploog, Uwe; and Uphues, Guenter, to Henkel Kommanditgesellschaft auf Aktien. Quaternary 2-alkylimidazolinium salts as fabric softeners. 4,865,614, 9-12-89, Cl. 8-115.600.

Ploog, Uwe; and Uphues, Guenter, to Henkel Kommanditgesellschaft auf Aktien. Textile treatment preparations containing a fatty acid and hydroxyalkyl-amine condensate prepared in the presence of dispersion accelerator. 4,877,539, 10-31-89, Cl. 252-8.800.

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- Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Loster, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
- Friese, Hans-Herbert; Ploog, Uwe; and Prinz, Wolfgang, 4,799,932, Cl. 8-94.230.
- Koester, Rita; von Rybinski, Wolfgang; and Ploog, Uwe, 4,814,070, Cl. 209-166.000.
- Uphues, Guenter; and Ploog, Uwe, 4,866,193, Cl. 558-150.000.
- Uphues, Guenter; Ploog, Uwe; and Bischof, Klaudia, 4,874,883, Cl. 558-150.000.
- Veitenhansl, Rudolf; Waltenberger, Peter; Lange, Fritz; Uphues, Guenter; and Ploog, Uwe, 4,883,604, Cl. 252-8.900.

Ploplis, Victoria A.: *See—*
- Fraser, Malcolm J.; Rosen, Elliot D., and Ploplis, Victoria A., 4,870,023, Cl. 435-320.000.

Ploppa, Jurgen: *See—*
- Goller, Ernest; Ploppa, Jurgen; and Muller, Adam, 4,821,534, Cl. 66-60.00R.

Plos, Bernard: *See—*
- Ricaud, Jean-Luc; and Plos, Bernard, 4,823,045, Cl. 313-371.000.

Plosser, George G.: *See—*
- Humphreys, Thomas G., Jr.; Plosser, George C.; and Ryan, Michael D., Jr., 4,843,324, Cl. 324-326.000.

Plosser, R. Donald: *See—*
- Humphreys, Thomas G., Jr.; Plosser, George G.; and Ryan, Michael D., Jr., 4,843,324, Cl. 324-326.000.

Plotnick, Michael A.; Shapiro, Paul J.; and Stolfi, Fred R., to Kroy Inc. Automated thermal transfer device and control system therefor. 4,836,697, 6-6-89, Cl. 400-120.000.

Plotnick, Michael A., to Kroy Inc. Pixel preheat system for an automated thermal transfer device. 4,859,093, 8-22-89, Cl. 400-120.000.

Plotnikoff, Nicholas P., to TNI Pharmaceuticals, Inc. Process for using endogenous enkephalins and endorphins to inhibit growth of tumerous cells. 4,801,614, 1-31-89, Cl. 514-17.000.

Plott, John E.: *See—*
- Bridgewater, Todd J.; and Plott, John E., 4,887,757, Cl. 227-147.000.

Plouff, Frederick L. Disposable syringe for one-time use. 4,878,899, 11-7-89, Cl. 604-110.000.

Plouffe, E. J.: *See—*
- Powers, Charles W.; and Plouffe, E. J., 4,846,736, Cl. 439-738.000.

Plouffe, Leo A.: *See—*
- Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., 4,866,408, Cl. 337-104.000.

Ploug, Ole: *See—*
- Berntsen, Bjarne K.; Prebensen, Mads F.; and Ploug, Ole, 4,845,956, Cl. 62-225.000.

Plough, Charles T., Jr., to Dale Electronics, Inc. Nichrome resistive element and method of making same. 4,837,550, 6-6-89, Cl. 338-308.000.

Plough, Inc.: *See—*
- Edmundson, Robert J.; and Jacks, Terry C., 4,873,078, Cl. 424-64.000.
- Kingsford, Ted I., 4,832,060, Cl. 132-293.000.
- McShane, James E., 4,853,240, Cl. 426-250.000.
- Sun, Harold; and Ner, Virginia F., 4,857,307, Cl. 424-63.000.

Plourde, Aime. Pneumatic system for endless track vehicles. 4,826,260, 5-2-89, Cl. 305-16.000.

Ploussios, George. Method and construction of helical antenna. 4,862,184, 8-29-89, Cl. 343-745.000.

Plouzane, Claude: *See—*
- Wagnon, Jean; Plouzane, Claude; Tonnerre, Bernard; and Nisato, Dino, 4,806,655, Cl. 548-455.000.

Plow, Edward F.: *See—*
- Ginsberg, Mark H.; and Plow, Edward F., 4,820,505, Cl. 424-9.000.

Ployette, Florimond E., to INRIA-Institut National de Recherche en Informatique et en Automatique. Electronic circuit constituting an improved high-speed stable memory with memory zones protect from overlap. 4,799,186, 1-17-89, Cl. 364-900.000.

Plucinski, Andrzej J.: *See—*
- Dufresne, Christopher M.; Plucinski, Andrzej J.; and Nalezny, Casmir P., 4,830,217, Cl. 220-420.000.
- Percarpio, Edward P.; and Plucinski, Andrzej J., 4,886,072, Cl. 128-763.000.

Pluco Spielwaren GmbH: *See—*
- Sommer, Rudiger, 4,824,410, Cl. 446-371.000.

Plueckhan, Juergen: *See—*
- Boehning, Karl-Heinz; Mross, Wolf D.; Schwarzmann, Matthias; Becker, Hans-Juergen; Plueckhan, Juergen; and Renner, Klaus-Christian, 4,829,043, Cl. 502-348.000.

Plueddemann, Edwin P.; and Bank, Howard M., to Dow Corning Corporation. Method for stabilizing unsaturated organosilicone compositions. 4,798,889, 1-17-89, Cl. 556-401.000.

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Plueddemann, Edwin P.: *See—*
- Witucki, Gerald L.; and Plueddemann, Edwin P., 4,818,779, Cl. 524-188.000.
- Witucki, Gerald L.; and Plueddemann, Edwin P., 4,876,154, Cl. 428-447.000.

Pluess Staufer AG: *See—*
- Seinera, Henri; Luberne, Patricia; Stock, Claude; and Trouve, Patrick, 4,803,231, Cl. 523-219.000.
- Seinera, Henry; Luberne, Patricia; Stock, Claude; and Trouve, Patrick, 4,889,879, Cl. 524-13.000.

Plug Logic, Inc.: *See—*
- Kaplinsky, Cecil H., 4,847,612, Cl. 340-825.800.

Pluijms, Rene A. M.; Papanikolau, Emmanuel; Jongeling, Leendert B.; and Van Eadonk, Johannes M. A., to U.S. Philips Corp. Method of manufacturing optical fibres having a core and a cladding of glass applying the rod-in-tube technique. 4,854,956, 8-8-89, Cl. 65-2.000.

Plum, Arthur W., Jr. Method for neutralizing offensive chemicals. 4,803,047, 2-7-89, Cl. 422-5.000.

Plum, Helmut: *See—*
- Walz, Gerd; and Plum, Helmut, 4,806,677, Cl. 560-125.000.

Plum, Thomas M.; and Green, T. David, to Cook Imaging. Method and apparatus for evaluating partial derivatives. 4,817,027, 3-28-89, Cl. 364-732.000.

Plumb, Arnold D. Apparatus for detecting oil and other lighter-than-water contaminants in an effluent stream. 4,863,692, 9-5-89, Cl. 422-58.000.

Plumb, Frederick: *See—*
- Renau, Anthony; Moffatt, Stephen; and Plumb, Frederick, 4,825,087, Cl. 250-492.20R.

Plumb, Richard A.: *See—*
- Brie, Alain; Hsu, Kai; and Plumb, Richard A., 4,888,740, Cl. 367-30.000.
- Hsu, Kai; Brie, Alain; and Plumb, Richard A., 4,870,627, Cl. 367-69.000.

Plumb, Richard G. S., to STC PLC. Distributed feedback laser. 4,813,054, 3-14-89, Cl. 372-96.000.

Plumb, Richard G. S., to ITT Corporation. Laser manufacture. 4,830,986, 5-16-89, Cl. 437-129.000.

Plumb, William W.: *See—*
- Smith, Donald P.; Plumb, William W.; and High, Jarald E., 4,831,238, Cl. 219-400.000.
- Smith, Donald P.; Plumb, William W.; and High, Jarald E., 4,835,351, Cl. 219-10.55R.

Plume, Steven H.: *See—*
- Terpstra, Daniel A.; and Plume, Steven H., 4,882,962, Cl. 83-812.000.

Plumer, Louis, to Somfy. Process for producing a squirrel-cage rotor. 4,872,256, 10-10-89, Cl. 29-598.000.

Plumer, Mark J., to Consolidated International Automotive, Inc. Security locking system for vehicle wheel nuts. 4,870,842, 10-3-89, Cl. 70-232.000.

Plumley, Roger D., to Fairchild International Inc. Dual auger continuous mining machine. 4,887,868, 12-19-89, Cl. 299-57.000.

Plumley, Stephen C. Cutting table. 4,877,069, 10-31-89, Cl. 144-286.00R.

Plumly, George W. Lighting level control apparatus for fluorescent lighting installations. 4,802,073, 1-31-89, Cl. 362-251.000.

Plummer, Ernest L., to FMC Corporation. [1,1'-biphenyl]compounds having a 2,2'-(alkyl)bridge and a 3-yl(substituted)methyl substituent. 4,837,307, 6-6-89, Cl. 534-563.000.

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  - Po, Hong, 4,852,117, Cl. 372-97.000.
  - Richardson, Thomas L.; Grabel, Vernon; and Kowalik, Joseph T., 4,855,940, Cl. 364-526.000.
  - Robinson, William C.; and Sanford, Norman A., 4,887,878, Cl. 350-96.130.
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  - Song, Woo-Jin; and Levinstone, Donald S., 4,829,381, Cl. 358 168.000.
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- Polaschegg, Hans-Dietrich, to Fresenius AG. Apparatus for infusion and removal of samples of blood and other body fluids. 4,796,644, 1-10-89, Cl. 128-760.000.
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- Polaschegg, Hans-Dietrich: *See—*
  - Metzner, Klaus; Westphal, Detlef; Allendorfer, Wolfgang; Hahnel, Reinhard; and Polaschegg, Hans-Dietrich, 4,797,191, Cl. 204-411.000.
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  - Warren, Patrick A.; Auerbach, Robert A.; and Polaski, Eugene L., 4,835,226, Cl. 525-504.000.
- Polatov, Paul. Work briefcase and table system. 4,856,627, 8-15-89, Cl. 190-11.000.
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- Polderman, Hugo G., to Shell Oil Company. Process and apparatus for withdrawing solids from a vessel. 4,859,316, 8-22-89, Cl. 208-166.000.
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- Polefka, Thomas G.: *See—*
  - Gaffar, Abdul; Polefka, Thomas G.; Ferlauto, Robert J., Jr.; and Crisafulli, Rosemarie M., 4,806,340, Cl. 424-52.000.
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  - Wilson, Wilfred W.; Polemenakos, Sotiros C.; Potter, J. Larry; Mangold, Donald J.; Harlowe, William W.; and Schlameus, Herman W., 4,874,611, Cl. 424-410.000.
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- Polesel, Giampaolo, to RESMA S.R.L. Container assembly. 4,878,313, 11-7-89, Cl. 47-87.000.
- Polesnak, David L.; and Woodward, Richard V., to Rockwell International Corporation. Method and apparatus for measuring and providing corrected gas flow. 4,829,449, 5-9-89, Cl. 364-510.000.
- Poletto, Giorgio, to Lorica S.p.A. Process for obtaining synthetic hides similar to natural hides by a chemical treatment of synthetic sheet material. 4,863,479, 9-5-89, Cl. 8-115.560.
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  - Sutherland, Leslie H.; Sloboda, Adolph E.; Child, Ralph G.; Poletto, John F.; and Powell, Dennis W., 4,847,381, Cl. 546-156.000.
- Poletto, Vanni, to SGS Microelecttronica S.p.A. Monolithically integratable circuit for the generation of extremely short duration current pulses. 4,843,253, 6-27-89, Cl. 307-266.000.
- Poletto, Vanni: *See—*
  - Mazzucco, Michelangelo; Poletto, Vanni; and Siligoni, Marco, 4,835,490, Cl. 330-285.000.
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  - Puzrin, Leonid G.; Atroshenko, Miron G.; Yaremenko, Vladim L.; Ischenko, Jury Y.; Nefedov, Pavel S.; Pescherin, Ivan G Serebryanik, Ilya P.; and Polev, Evgeny I., 4,886,203, C 228-126.000.
- Poley, Brooks J. Folded intraocular lens, method of implanting retainer, and apparatus for folding lens. 4,819,631, 4-11-89, Cl. 12 303.00R.
- Polezhaeva, Antonina I.: *See—*
  - Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,839,380, Cl. 517-424.00
  - Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.00
- Polgar, Tibor, to Schrack Elektronik-Aktiengesellschaft. Relay drive for polarized relay. 4,881,054, 11-14-89, Cl. 335-230.000.
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  - Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamon, Tama Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istva Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judi Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,94 Cl. 514-221.000.
- Polhede, Wilhelm: *See—*
  - Hack, Robert; Peter, Ralf; and Polhede, Wilhelm, 4,850,576, C 266-208.000.
- Polhemus, Gary D., to Fairchild Semiconductor Corporation. Integrated circuit die with resistive substrate isolation of multiple circu 4,847,672, 7-11-89, Cl. 357-47.000.
- Poli, Albert A., to Mine Safety Appliances Company. Combustible ga detector having catalytic sensor stabilizing network. 4,854,15 8-8-89, Cl. 73-27.00R.
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  - Pristera, Raffaele; Rugora, Edoardo; Fioravazzi, Silvio; Gueli Giorgio; Bassi, Aldo; and Poli, Alberto, 4,873,451, C 307-10.100.
- Poli Industria Chimica S.P.A.: *See—*
  - Poli, Stefano, 4,839,387, Cl. 514-19.000.
- Poli, Louis C.: *See—*
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- Poliak, John M.; Lopez, Juan M.; and Gritz, Robert W., to Leviton Manufacturing Company, Inc. Wiring device system with single screw subassembly. 4,836,805, 6-6-89, Cl. 439-657.000.
- Poliauto di Pietro Parietti & C. S.n.c.: *See—*
  - Parietti, Pietro, 4,841,941, Cl. 123-527.000.
- Polic, Marko: *See—*
  - Holzhauer, Horst; Weikert, Gunther; Kneib, Rudi; Polic, Mark Robitschko, Peter; and Reinhard, Theodor, 4,866,416, C 340-426.000.
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- Policastro, Peter P.; Hernandez, Pamela K.; and Davis, Mark W., t General Electric Company. Blends of silicone copolymer and polyetherimide. 4,820,781, 4-11-89, Cl. 525-431.000.
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- Policastro, Peter P.: *See—*
  - Rich, Jonathan D.; Policastro, Peter P.; and Hernandez, Pamela K. 4,795,680, Cl. 428-450.000.
- Policelli, Frederick J., to Hercules Incorporated. End connectors for filament wound tubes. 4,813,715, 3-21-89, Cl. 285-149.000.
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- Polidor, Jaromir J., to Vesuvius Crucible Company. Plasma spra coated ceramic bodies and method of making same. 4,877,70 10-31-89, Cl. 428-34.600.
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  - Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; D Stazio, Giovanni; and Politi, Vincenzo, 4,810,779, C 530-328.000.
  - De Luca, Giovanna; Di Stazio, Giovanni; Margonelli, Andrea Materazzi, Mario; and Politi, Vincenzo, 4,808,728, C 548-502.000.
- Polifroni, Nicholas: *See—*
  - Aquino, Agostino; and Polifroni, Nicholas, 4,809,842, C 198-369.000.
  - Simelunas, William J.; Aquino, Agostino; and Polifroni, Nicholas 4,851,248, Cl. 426-291.000.
- Polifroni, Nicholas R.: *See—*
  - Simelunas, William J.; and Polifroni, Nicholas R., 4,858,524, C 99-450.200.
  - Simelunas, William J.; Polifroni, Nicholas R.; Shoiket, Henry N and Meyer, Stefan M., 4,882,185, Cl. 426-283.000.
- Poling, Denzil C. Drain plug removing device. 4,794,827, 1-3-89, C 81-125.000.
- Poling, Denzil C. Hydraulic valve for controlling single-acting cylinder. 4,794,843, 1-3-89, Cl. 91-47.000.
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- Poling, Denzil C. Oil change device and method. 4,865,156, 9-12-89, Cl. 184-1.500.
- Poling, Denzil C. Chisel for removing damaged bolts, nuts and screws. 4,875,289, 10-24-89, Cl. 30-167.000.
- Poling, Ralph J.: *See—*
  - Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.
- Poling, Ronald W.; and Frank, James P., to General Electric Company. Electrical switch device. 4,835,348, 5-30-89, Cl. 200-5.0EA.
- Poling, Stephen M.: *See—*
  - Yokoyama, Henry; Hsu, Wan-Jean; Poling, Stephen M.; and Hayman, Ernest P., 4,797,153, Cl. 71-121.000.
- Polinsky, Samual M.: *See—*
  - Bierman, Laurence W.; and Polinsky, Samual M., 4,816,241, Cl. 423-321.00R.
- Polinsky, Samuel M.: *See—*
  - Bierman, Laurence W.; and Polinsky, Samuel M., 4,836,854, Cl. 106-85.000.
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- Politchnika Warszawska: *See—*
  - Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.
- Polite, John L.: *See—*
  - Roggenburg, Stanley L.; Laauwe, Robert H.; Polite, John L.; and Tully, Michael, 4,823,990, Cl. 222-207.000.
- Politechnika Gdanska: *See—*
  - Doerffer, Jerzy W.; Rowinski, Lech; Niepieklo, Andrzej; Klopucki, Jan; and Siwek, Boguslaw, 4,822,311, Cl. 441-87.000.
  - Stefanska, Barbara J.; Falkowski, Leonard S.; and Borowski, Edward, 4,824,944, Cl. 536-6.400.
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  - Rosiak, Janusz; Rucinska-Rybus, Anna; and Pekala, Wladyslaw, 4,871,490, Cl. 264-22.000.
- Politechnika Rzeszowska im. Ignacego Lukasiewicza: *See—*
  - Buczek, Jan; Buczek, Witoslaw; and Warzybok, Tadeusz, 4,825,715, Cl. 74-462.000.
- Politechnika Slaska im. Wincentego Pstrowskiego: *See—*
  - Starczewski, Marian; Switonska-Oskedra, Maria; Grzywaczewski, Tadeusz; Pisarski, Hubert; Gazda, Stanislaw; and Sybilska, Genowefa, 4,795,625, Cl. 423-566.000.
- Politi, Jean-Marie, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Tap with flow limiter for gas bottles. 4,802,504, 2-7-89, Cl. 137-454.500.
- Politi, Vincenzo: *See—*
  - Caciagli, Valerio; Verdini, Antonio S.; De Luca, Giovanna; Di Stazio, Giovanni; and Politi, Vincenzo, 4,810,779, Cl. 530-328.000.
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- Polito, Alan J.; and Cheng, Anthony K., to Beckman Instruments, Inc. Novel competitive assay for theophylline and reagent for use therein. 4,855,226, 8-8-89, Cl. 435-7.000.
- Polito, Anthony; and Pages, Irenee M., to Motorola Inc. Semiconductor device metallization process. 4,837,183, 6-6-89, Cl. 437-198.000.
- Politzer, Eugene J. Method and apparatus for shaving the beard. 4,819,669, 4-11-89, Cl. 132-200.000.
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  - Klatte, Bernd; Ferme, Vencenzo; Herrmann, Fritz; Hebborn, Hans-Gerd; and Poliwczyk, Oskana, 4,801,047, Cl. 222-163.000.
- Polizzano, Robert A., to Nabisco Brands, Inc. Process and dough composition for producing multi-textured cookies containing hard fats. 4,840,803, 6-20-89, Cl. 426-94.000.
- Polizzotti, Richard S.; and McCandlish, Larry E., to Exxon Research and Engineering Company. Multiphase composite particle. 4,851,041, 7-25-89, Cl. 75-240.000.
- Polk, Charles E., Jr.: *See—*
  - Nelson, David P.; Harris, Joseph L.; and Polk, Charles E., Jr., 4,852,122, Cl. 375-8.000.
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- Polk, Roger N.: *See—*
  - Kreinberg, Earl R.; and Polk, Roger N., 4,834,665, Cl. 439-260.000.
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- Polkinghorne, John, to TRW Canada, Ltd. Air damper assembly for refrigerator/freezer. 4,879,878, 11-14-89, Cl. 62-187.000.
- Poll, Dietmar, to Ciba-Geigy Corporation. Process for measuring the variations in volume of fluids, especially shrinkage measurements in synthetic resins during hardening and a device for carrying out the process. 4,837,776, 6-6-89, Cl. 374-56.000.
- Poll, Heinz-Guenter, to Huels Aktiengesellschaft. Molding compounds comprised of a thermotropic aromatic polyester. 4,814,416, 3-21-89, Cl. 528-173.000.
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- Poll, Heinz-Guenter: *See—*
  - Neugebauer, Wolfgang; and Poll, Heinz-Guenter, 4,882,410, Cl. 528-170.000.
- Poll, Ian: *See—*
  - Hasenack, Hendricus J. A.; and Poll, Ian, 4,865,542, Cl. 431-160.000.
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- Pollack, Alfred: *See—*
  - Goseberg, Walter; and Pollack, Alfred, 4,806,831, Cl. 315-399.000.
- Pollack, Gordon P.: *See—*
  - Malhi, Satwinder S.; and Pollack, Gordon P., 4,797,373, Cl. 437-60.000.
- Pollack, Jack, to Amtel, Inc. Anchor line-stabilized system. 4,797,033, 1-10-89, Cl. 405-202.000.
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- Pollack, Stephen H.: *See—*
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- Pollack, Steven: *See—*
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  - Hutchinson, James; Hoffman, Brian; and Pollack, Steven, 4,875,275, Cl. 29-568.000.
- Pollack, Steven H.: *See—*
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- Pollack, William; and Reichner, Philip, to Westinghouse Electric Corp. Porous electronic current collector bodies for electrochemical cell configurations. 4,833,045, 5-23-89, Cl. 429-30.000.
- Pollak, Gerd: *See—*
  - Rabe, Gerd; and Pollak, Gerd, 4,818,160, Cl. 409-202.000.
- Pollak, Gottfried; and Muller, Gunther, to Tehalit Kunststoffwerk GmbH. Installation member for lead guidance channels. 4,809,473, 3-7-89, Cl. 32-220.000.
- Pollak, Otto-Franz. Table with an extendable table plate. 4,815,393, 3-28-89, Cl. 108-69.000.
- Pollak, Stanley B.; and Blasnik, William, to Research Foundation of State University of New York, The. Bonding assembly and method for sternum closing. 4,813,416, 3-21-89, Cl. 128-335.000.
- Pollara-Bozzola, Fabrizio, to California Institute of Technology. Method and apparatus for implementing a traceback maximum-likelihood decoder in a hypercube network. 4,868,830, 9-19-89, Cl. 371-43.000.
- Pollard, Andrew: *See—*
  - Cowburn, David; Rawlings, Stephen P.; and Pollard, Andrew, 4,887,841, Cl. 280-719.000.
- Pollard, Brendon T.: *See—*
  - Zollman, Peter M.; Pollard, Brendon T.; and Birch, Andrew D., 4,878,127, Cl. 358-299.000.
- Pollard, Brian J.: *See—*
  - Leventis, Chris; and Pollard, Brian J., 4,866,295, Cl. 307-43.000.
- Pollard, Dianne J. Bumper sheet. 4,873,734, 10-17-89, Cl. 5-425.000.
- Pollard, Dianne J.: *See—*
  - Alexander, Cynthia R.; and Pollard, Dianne J., 4,871,210, Cl. 297-435.000.
- Pollard, Melinda R.: *See—*
  - Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., 4,873,517, Cl. 340-825.030.
- Pollard, Michael R.: *See—*
  - White, John F.; and Pollard, Michael R., 4,861,613, Cl. 426-611.000.
- Pollard, Raymond J.; and Ford, Geoffrey F. Fluid flow apparatus. 4,823,867, 4-25-89, Cl. 165-166.000.
- Pollard, Roger D., to Hewlett-Packard Company. Electrically short air line for network analyzer calibration. 4,845,423, 7-4-89, Cl. 324-74.000.
- Pollard-Smith, Marjorie. Indicator device. 4,794,877, 1-3-89, Cl. 116-323.000.
- Pollard, Stephen L. Shut off for a gas line. 4,860,786, 8-29-89, Cl. 137-384.000.
- Pollard, Theodore, to Objective Golf, Inc. Golf club swing training method. 4,878,673, 11-7-89, Cl. 273-186.00C.
- Pollet, Jean-Claude; and Yu, Joseph, to Owens-Corning Fiberglas Corporation. Filamentary splicing. 4,826,549, 5-2-89, Cl. 156-158.000.
- Pollet, Robert J.: *See—*
  - De Keyzer, Rene M.; Pollet, Robert J.; and Vermeulen, Leon L., 4,859,565, Cl. 430-231.000.
- Polley, Richard B.: *See—*
  - Schmitt, Dallas L.; and Polley, Richard B., 4,851,617, Cl. 191-49.000.

- Pollich, Gerhard, to Heidelberger Druckmaschinen AG. Sheet delivery device in a printing machine. 4,878,658, 11-7-89, Cl. 271-183.000.
- Polligkeit, Wolfgang: *See—*
  - Pirdzuns, Rolf; Polligkeit, Wolfgang; and Schluckebier, Michael, 4,821,009, Cl. 337-130.000.
- Pollinger, Herbert H.: *See—*
  - Langford, Stephen R.; and Pollinger, Herbert H., 4,825,966, Cl. 177-177.000.
- Pollmann, Herbert. Roller counter. 4,821,300, 4-11-89, Cl. 377-88.000.
- Pollmann, Kurt: *See—*
  - Klein, Klaus; Pollmann, Kurt; Schettler, Helmut; Schulz, Uwe; Wagner, Otto M.; and Zuehlke, Rainer, 4,890,238, Cl. 364-491.000.
- Pollner, Juergen; Trummer, Gregor; and Moelzer, Peter, to Krauss-Maffei A.G. Ground vehicle for maneuvering aircraft. 4,836,734, 6-6-89, Cl. 414-430.000.
- Pollnow, Harold J.: *See—*
  - Koneval, Donald J.; Pollnow, Harold J.; and Molus, Richard J., Sr., 4,825,710, Cl. 73-866.500.
- Pollo, Joseph L., to American Ball Screw. Externally serviceable ball screw having internal return means. 4,887,480, 12-19-89, Cl. 74-459.000.
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- Pollock, Eugene B., to Grain Systems, Incorporated. Self regulating grain bin wall air system and method. 4,885,985, 12-12-89, Cl. 98-55.000.
- Pollock, Eugene J. Error-free integration pointing and tracking. 4,825,055, 4-25-89, Cl. 235-411.000.
- Pollock, Eugene N., to Nuclear Metals, Inc. Method for producing green salt (UF_4) from uranium and uranium alloy pieces. 4,837,375, 6-6-89, Cl. 423-20.000.
- Pollock, Ira G.: *See—*
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Pomplun, William S.; Christianson, Rodney C.; Jacobs, Mark C.; and Matray, Attila, to Kimberly-Clark Corporation. Method of producing a heat shrinkable elastomer and articles utilizing the elastomer. 4,816,094, 3-28-89, Cl. 156-85.000.

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Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Ketenhofen, Timothy J.; Marver, Douglas J.; Couture-Dorschner, Laurie; and Pomplun, William S., 4,837,715, Cl. 364-552.000.

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Pomroy, James F., to Plastics, Inc. Storage and cooking container with lid release tab. 4,809,868, 3-7-89, Cl. 220-260.000.

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Ponce, Felix C. Door holder and electrical carpenter's aid. 4,799,658, 1-24-89, Cl. 269-133.000.

Ponce, Hector O.; and Detinko, Felix M., to Westinghouse Electric Corp. Low-torque nuts for stator core through-bolts. 4,810,919, 3-7-89, Cl. 310-217.000.

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Poncel, Yves: *See—*

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Poncet, Sabine: *See—*

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Ponchak, Anthony. Portable training device for golfers. 4,817,9 4-4-89, Cl. 273-188.00R.

Ponchel, Basil M.; and Walsh, James D., to Aluminum Company o America. High strength aluminum alloy resistant to exfoliation an method of making. 4,828,631, 5-9-89, Cl. 148-417.000.

Poncy, George W. Hypodermic syringe with sliding cap. 4,816,0 3-28-89, Cl. 604-198.000.

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Pond, Eugene W.; Rush, Jeffrey R.; Watson, John D.; Woodall, Bru A.; Goode, Walter M.; and Goode, George E., to Micronyx, In Cryptographic labeling of electronically stored data. 4,864,61 9-5-89, Cl. 380-25.000.

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Pond, Robert B., to Atom Mfg. Co., Inc. Fish hook constructio 4,835,898, 6-6-89, Cl. 43-43.160.

Pond, Robert B., Sr. Process for modifying the surface of metal or meta alloy substrates and surface modified products produced there 4,852,789, 8-1-89, Cl. 228-198.000.

Pond, Robert B., Sr. Process for modifying the surface of metal or meta alloy substrates and surface modified products produced there 4,881,681, 11-21-89, Cl. 228-198.000.

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Pond, Stephen F.; Kneezel, Gary A.; Lorenze, Robert V.; O'Hor Michael P.; Maltz, Martin S.; and Kellerman, Richard, to Xer Corporation. Resistive printhead arrays for thermal transfer printing 4,860,030, 8-22-89, Cl. 346-76.0PH.

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Ponder, Roland C., Jr.; and Guck, Henry H. Worm cradle bait bo 4,819,367, 4-11-89, Cl. 43-55.000.

Ponds, Kevin W.; and Calloway, John E., to Innovative Controls, In Light fixture with integral reflector and socket shield. 4,868,72 9-19-89, Cl. 362-344.000.

Pong, Kuang-Yuan. New cord outlet. 4,846,723, 7-11-89, C 439-456.000.

Pong, Schwe F., to Norwich Eaton Pharmaceuticals, Inc. Azumole dosage form. 4,822,629, 4-18-89, Cl. 424-480.000.

Pongrass, Robert G.; and Wilson, William B., to Wilcom Proprietar Limited. Method of embroidery and stitch processor therefo 4,821,662, 4-18-89, Cl. 112-266.100.

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Ponn, Timothy R., to Molex Incorporated. Ribbon cable harness an method of making same. 4,857,010, 8-15-89, Cl. 439-417.000.

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Pontagnier, Henri; Courtiol, Christian; Creuzet, Marie-Helene; Feniou, Claude; and Prat, Gisele, to Societe Cortial S.A. Derivatives of 4-aminoethoxy-5-isopropyl-2-methylbenzenes: methods of synthesis and utilization as medicines. 4,818,772, 4-4-89, Cl. 514-651.000.

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Ponte, Paul. Ball and game. 4,826,177, 5-2-89, Cl. 273-400.000.

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Ponticello, Gerald S.: *See—*

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Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.

Baldwin, John J.; and Ponticello, Gerald S., 4,853,383, Cl. 514-235.800.

Baldwin, John J.; Ponticello, Gerald S.; and Christy, Marcia E., 4,863,922, Cl. 514-232.500.

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Pontiff, Thomas M.; and Collins, Frederick H., to Astro-Valcour, Incorporated. Moldable silane-crosslinked polyolefin foam beads. 4,870,111, 9-26-89, Cl. 521-60.000.

Pontikas, James T. Apparatus and method for forming a variety of woodworking joints. 4,809,755, 3-7-89, Cl. 144-372.000.

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Sacco, Frank J., 4,823,826, Cl. 137-1.000.

Ponza, Larry J. Ball projecting apparatus. 4,823,763, 4-25-89, Cl. 124-78.000.

Ponziani, Ricahrd L., to General Motors Corporation. Windshield washer/wiper apparatus. 4,851,745, 7-25-89, Cl. 318-443.000.

Ponziani, Richard L.; Davies, William E.; and Trittschuh, Everett P., III, to General Motors Corporation. Printed circuit board with integral electrical connector and method for making it using wave soldering. 4,797,110, 1-10-89, Cl. 439-83.000.

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Pool, James E.: *See—*

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Poole, Damian M., to General Signal Corporation. Track circuit signalling arrangement. 4,855,737, 8-8-89, Cl. 340-933.000.

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Poole, James E.; and McKinley, Mildred L., to PPG Industries, Inc. UV curable coatings containing oxalanilide stabilizers, method of curing, and coated substrates therefrom. 4,833,038, 5-23-89, Cl. 428-457.000.

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Poole, Jon M.; and Curtis, Lindy J., to Inco Alloys International, Inc. Method for surface activation of water atomized powders. 4,818,482, 4-4-89, Cl. 419-33.000.

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Poole, William J. Waterstop splicing method and apparatus. 4,867,835, 9-19-89, Cl. 156-507.000.

Pooley, Denis M.; and MacKenzie, Douglas K., deceased (by MacKenzie, Russell U., administrator), to AMP Incorporated. Electrical connector. 4,872,856, 10-10-89, Cl. 439-783.000.

Pooley, Frederick D.; and Errington, Martin T., to Davy McKee (Stockton) Limited. Extraction of metal values from ores or concentrates. 4,822,413, 4-18-89, Cl. 75-118.00R.

Poon, Stephen S.: *See—*

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Popalis, Craig H., to Westinghouse Electric Corp. System and method for plugging the core barrel of a nuclear reactor. 4,820,476, 4-11-89, Cl. 376-203.000.
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Pope, Brian G.; and Najvar, Daniel J., to Dow Chemical Company, The. Process for the removal of metal ions from an aqueous medium utilizing a coal gasifier slag composition. 4,857,203, 8-15-89, Cl. 210-681.000.
Pope, Daniel F., to Mt. Fury Company. Method and apparatus for measuring settling rate, compaction, and clarity of a liquid. 4,876,881, 10-31-89, Cl. 73-53.000.
Pope, Gary W., to Quarterdeck Office Systems. Display system and memory architecture and method for displaying images in windows on a video display. 4,823,108, 4-18-89, Cl. 340-721.000.
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  Howson, David C.; Fellinger, Michael W.; Popken, John A.; and Altobellis, Richard M., 4,846,797, Cl. 604-154.000.
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Popovich, John M.; and Fleishman, Roc V., to Softub, Inc. Tub apparatus. 4,843,659, 7-4-89, Cl. 4-542.000.
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  Pelka, David G.; Popovich, John M.; and Fleishman, Roc V. 4,836,862, Cl. 136-253.000.
Popovich, Robert P.; and Moncrief, Jack W. Peritoneal membrane plasmapheresis. 4,832,684, 5-23-89, Cl. 604-28.000.
Popovich, Vladislav I.: *See—*
  Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexander A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,5 Cl. 369-100.000.
Popp, Eugen: *See—*
  Risitano, Antonio; Rosario, Lanzafame; and Popp, Eugen 4,884,533, Cl. 123-25.00C.
Popp, Franz: *See—*
  Bisping, Heinz; Gahler, Alfred; Hoffmann, Armin; and Popp, Franz, 4,836,729, Cl. 411-82.000.
Popp, Franz W.: *See—*
  Madle, Wolfgang; Gawlik, Norbert; and Popp, Franz W. 4,847,009, Cl. 252-633.000.
Popp, Franz-Wolfgang; and Flehr, Dietmar, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Double-container unit for transporting and storing radioactive waste. 4,818,87 4-4-89, Cl. 250-507.100.
Popp, Joachim: *See—*
  Willkop, Franz; Zahring, Gerhard; Rutsch, Robert; Popp, Joachim and John, Eberhard, 4,875,828, Cl. 415-173.400.
Popp, Phillip W.: *See—*
  Podrazhansky, Yury; and Popp, Phillip W., 4,829,225, Cl. 320-14.000.
Popp, Robert L.: *See—*
  Frost, Johnathan E.; Hsu, Eric T.; Jackson, David M.; Olsen, Thomas G.; and Popp, Robert L., 4,883,549, Cl. 156-161.000.
Popp, Thomas: *See—*
  Spohr, Reimar; Pfeng, Enrique; Burckner, Dieter; and Popp, Thomas, 4,826,292, Cl. 350-321.000.
Poppe, Wassily; Chen, Yu-Tsai; and Paschke, Edward E., to Amoco Corporation. Filled composition comprising crystalline copolyamide from terephthalic acid, isophthalic acid and hexamethylene diamine 4,863,991, 9-5-89, Cl. 524-606.000.
Poppe, Wassily: *See—*
  Richardson, Joel A.; Poppe, Wassily; Bolton, Benjamin A.; and Paschke, Edward E., 4,831,108, Cl. 528-335.000.
Poppel, Gunter: *See—*
  Scafer, Hans G.; Cieslik, Wolfgang; Opdenwinkel, Heinz; Vogt, Axel; Poppel, Gunter; and Schurmann, Horst, 4,863,485, Cl. 44-16.00R.
Poppele, Gebhard: *See—*
  Peter, Dietmar; and Poppele, Gebhard, 4,811,979, Cl. 293-102.00
Poppendiek, Heinz F.; Sabin, Cullen M.; and Heymsfield, Steven B., to Emory University. Ventilator hood system for indirect calorimetry 4,832,042, 5-23-89, Cl. 128-730.000.
Popper, Peter; and Velvel, William E., to Du Pont de Nemours, E. I. and Company. Wound rotor element and centrifuge fabricated therefrom. 4,860,610, 8-29-89, Cl. 74-572.000.
Popper, Peter: *See—*
  Hailam, Donald E.; Popper, Peter; Staunton, Harold F.; Taylor, Robert E.; and Yngve, Paul W., 4,873,821, Cl. 57-293.000.
Poppi, Mauro, to Poppi s.P.A. Fast tempo firing process for ceramic materials such as tiles. 4,888,143, 12-19-89, Cl. 264-66.000.
Poppi s.P.A.: *See—*
  Poppi, Mauro, 4,888,143, Cl. 264-66.000.
Poprawe, Reinhart: *See—*
  Herziger, Gerd; Beyer, Eckhard; Loosen, Peter; and Poprawe, Reinhart, 4,839,493, Cl. 219-121.690.
Pops, Horace, to Essex Group, Inc. Hydrogen cleaning of hot copper rod. 4,826,544, 5-2-89, Cl. 148-13.200.
Pops, Horace: *See—*
  Leckie, James H.; and Pops, Horace, 4,795,490, Cl. 75-76.000.
Poque, Dionysius: *See—*
  Huinink, Heinrich; Frerichs, Udo; and Poque, Dionysius, 4,794,9 Cl. 152-158.000.
Poque, Dionysius J.: *See—*
  Gerresheim, Manfred; Sommer, Jurgen; Poque, Dionysius J.; and Vogler, Hans-Jurgen, 4,815,512, Cl. 152-209.00R.
Porat, Amir; and Porat, Michael. Towelette. 4,817,790, 4-4-89, Cl. 206-205.000.

Porat, Amir: *See—*
  Porat, Michael; and Porat, Amir, 4,807,364, Cl. 30-268.000.
  Porat, Michael; and Porat, Amir, 4,815,460, Cl. 128-303.00R.
Porat, Michael; and Porat, Amir. Medical scissors. 4,807,364, 2-28-89, Cl. 30-268.000.
Porat, Michael; and Porat, Amir. Gripper teeth for medical instruments. 4,815,460, 3-28-89, Cl. 128-303.00R.
Porat, Michael: *See—*
  Porat, Amir; and Porat, Michael, 4,817,790, Cl. 206-205.000.
Porcaro, Eileen L. Combined locket and photo holder. 4,882,915, 11-28-89, Cl. 63-19.000.
Porcello, Sam J.; Manns, James M.; Player, Kenneth W.; and Wilson, Lonny L., to Nabisco Brands, Inc. Soybean oil filler cream compositions. 4,834,991, 5-30-89, Cl. 426-94.000.
Porcello, Samuel J.; and Manns, James M., to Nabisco Brands, Inc. Soft soybean oil filler cream compositions. 4,865,859, 9-12-89, Cl. 426-250.000.
Porcheddu, Edmond J. Word game. 4,819,945, 4-11-89, Cl. 273-272.000.
Porcher, Jean-Michel: *See—*
  Lauro, Fernand; Marvillet, Christophe; Mayoussier, Patrick; Amanojules, Michel; and Porcher, Jean-Michel, 4,850,427, Cl. 165-134.100.
Porchia, Jose: *See—*
  Russell, Patrick M.; Porchia, Jose; and Pihlaja, Roger K., 4,847,859, Cl. 373-113.000.
Porco, Carmen R., to Alliance Research Corporation. Telephone controlled interrupter circuit. 4,873,712, 10-10-89, Cl. 379-58.000.
Porelon, Inc.: *See—*
  Piepmeier, Arthur L., Jr.; and Nunally, Charles M., 4,824,621, Cl. 264-41.000.
  Piepmeier, Arthur L., Jr.; and Nunally, Charles M., 4,884,505, Cl. 101-492.000.
Poretsky, Leonid. Newspaper holder. 4,861,073, 8-29-89, Cl. 281-45.000.
Poretta, Lynn R.: *See—*
  Medioni, Gerard G. R.; Wilson, Monti R.; Prohaska, Timothy F.; and Poretta, Lynn R., 4,849,914, Cl. 364-526.000.
Porex Technologies Corp. of Georgia: *See—*
  Foster, Kevin D., 4,886,177, Cl. 215-247.000.
Pori, James A. Combined space vehicle fuel cell and space station structural building component. 4,807,833, 2-28-89, Cl. 244-158.00R.
Porner, Horst: *See—*
  Johannsen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, 4,852,614, Cl. 138-93.000.
Poroshin, Jury E.; Gorbachev, Igor M.; Potysiev, Vladimir M.; Sorochkin, Vladimir P.; and Sivko, Vladimir I. Apparatus for conductive drying loose. 4,850,861, 7-25-89, Cl. 432-99.000.
Porous Media Corporation: *See—*
  Spearman, Michael R.; Spearman, Patrick R.; and Spearman, Daniel M., 4,814,033, Cl. 156-187.000.
  Spearman, Michael R.; Spearman, Patrick R.; and Spearman, Daniel M., 4,836,931, Cl. 210-484.000.
Porowski, Jan S.; Badlani, Manu L.; Hampton, Edward J.; and O'Donnell, William J., to O'Donnell & Associates, Inc. Process and apparatus for obtaining a gas sample. 4,817,441, 4-4-89, Cl. 73-863.120.
Porowski, Jan S.; Badlani, Manu L.; O'Donnell, William J.; and Hampton, Edward J., to O'Donnell & Associates, Inc. Process for improving resistance of metal bodies to stress corrosion cracking. 4,842,655, 6-27-89, Cl. 148-130.000.
Porrvik, Sten: *See—*
  Axelsson, Anders R.; Bylander, Lolo; Porrvik, Sten; and Tanner, Olof, 4,837,107, Cl. 430-138.000.
Porsch, Bedrich: *See—*
  Kahovec, Jaroslav; and Porsch, Bedrich, 4,835,269, Cl. 544-69.000.
Porsche Aktiengesellschaft: *See—*
  Burst, Hermann; Durm, Jurgen; Kretschmer, Helmut; and Schuhmann, Georg, 4,889,382, Cl. 296-180.500.
  Krotky, Peter, 4,867,007, Cl. 74-595.000.
Porsche Design GmbH: *See—*
  Tragatschnig, Joerg, 4,87:,234, Cl. 379-434.000.
Porsche, Ferdinand A., to Optyl Eyewear Fashion International Corporation. Eyeglasses with removable lens assembly. 4,822,158, 4-18-89, Cl. 351-57.000.
Porsche, Ferdinand A., to Optyl Eyewear Fashion International Corporation. Eyeglasses with separable rims. 4,834,523, 5-30-89, Cl. 351-57.000.
Porst, Alfred; Miller, Gerhard; and Feldvoss, Mario, to Siemens Aktiengesellschaft. Bridge arm with transistors and recovery diodes. 4,816,984, 3-28-89, Cl. 363-56.000.
Port, Gary L.; and Kaelin, John J., to Huck Manufacturing Company. Shock-absorbing fluid-actuated fastener installation tool. 4,878,372, 11-7-89, Cl. 72-391.000.
Port, Gary L.: *See—*
  Kaelin, John J.; and Port, Gary L., 4,807,348, Cl. 29-426.400.
Porta, Norbert: *See—*
  Rorig, Hans; and Porta, Norbert, 4,842,771, Cl. 252-547.000.
  Rorig, Hans; and Porta, Norbert, 4,853,146, Cl. 252-142.000.
Porta Systems Corp.: *See—*
  De Luca, Paul V.; Shatzkin, Michael; and Atun, Albert, 4,811,169, Cl. 361-429.000.
  De Luca, Paul V., 4,813,071, Cl. 379-327.000.
  De Luca, Paul V.; Carney, William V.; Neuwirth, Helmuth; and Fasano, Michael, 4,824,403, Cl. 439-714.000.
  De Luca, Paul V.; and Neuwirth, Helmuth, 4,840,572, Cl. 439-92.000.

  DeLuca, Paul V., 4,860,348, Cl. 379-327.000.
  Meyerhoefer, Carl; and Neuwirth, Helmuth, 4,856,060, Cl. 379-412.000.
  Meyerhoefer, Carl, 4,882,748, Cl. 379-332.000.
  Neuwirth, Helmuth; and Meyerhofer, Carl H., 4,881,255, Cl. 379-412.000.
Portable Containers, Inc.: *See—*
  Zygaj, Jim, 4,848,617, Cl. 220-1.500.
Portacel Limited: *See—*
  Koster, Peter B.; and Crossley, Ian A., 4,830,743, Cl. 210-96.100.
Portage Electric Products, Inc.: *See—*
  Givler, Omar, 4,823,105, Cl. 337-368.000.
  Givler, Omar, 4,829,281, Cl. 337-372.000.
Portals Engineering Limited: *See—*
  Birtwhistle, Philip, 4,830,352, Cl. 270-54.000.
Portaz, Joseph M.: *See—*
  Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.
Porte, Hugues: *See—*
  Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, 4,871,547, Cl. 424-81.000.
  Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, 4,886,661, Cl. 424-78.000.
  Lebrun, Jean-Jacque; and Porte, Hugues, 4,866,149, Cl. 526-279.000.
  Lebrun, Jean-Jacques; and Porte, Hugues, 4,861,844, Cl. 525-475.000.
Porte, Johannes J.: *See—*
  Helfer, Jeffrey L.; Porte, Johannes J.; and Middleton, David H., 4,810,653, Cl. 435-316.000.
  Jakubowicz, Raymond F.; and Porte, Johannes J., 4,852,620, Cl. 141-25.000.
Portec, Inc.: *See—*
  Brown, Robert D.; and Compton, Richard A., 4,887,708, Cl. 198-831.000.
Portell, Jose, to Trutzschler GmbH & Co. KG. Waste separator for a licker-in in a carding machine. 4,815,170, 3-28-89, Cl. 19-105.000.
Portelli, Gene B.: *See—*
  Jordan, Robert C.; and Portelli, Gene B., 4,882,370, Cl. 523-215.000.
Porteous, Alexander; and McIntosh, Angus J., to Anderson Strathclyde PLC. Ranging drum shearers. 4,887,867, 12-19-89, Cl. 299-42.000.
Porteous, Don D. Dental dispensing cup with integrated finger mount. 4,844,308, 7-4-89, Cl. 224-217.000.
Porteous, Robert D.: *See—*
  Purssey, Ronald; and Porteous, Robert D., 4,815,895, Cl. 405-153.000.
Porter, A. Michael; Spivey, J. R.; and Dee, William J., to Cosmolab, Inc.; and Spiveco, Inc. Cake cosmetic applicator. 4,828,419, 5-9-89, Cl. 401-126.000.
Porter, Benny R.; and Bowers, Doyle G., to Arc Plan, Inc. Method and apparatus for hydraulic turbine rotation for repair. 4,884,326, 12-5-89, Cl. 29-156.80R.
Porter-Cable Corporation: *See—*
  Bosten, Donald R.; and Cooper, Randy G., 4,858,661, Cl. 144-134.00D.
  Bosten, Donald R.; and Cooper, Randy G., 4,858,662, Cl. 144-136.00C.
  Bosten, Donald R.; and Cooper, Randy G., 4,858,663, Cl. 144-136.00C.
  Clowers, Earl R., 4,856,394, Cl. 83-56.000.
Porter, Charles A.: *See—*
  Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., 4,851,182, Cl. 376-267.000.
Porter, Curtis H.; Tayon, Jeffrey E.; and Champ, Larry B., to Orscheln Co. Foot-operated self-adjusting parking brake apparatus with controlled flyback. 4,841,798, 6-27-89, Cl. 74-501.50R.
Porter, Curtis H., to Orscheln Co. Push-to-release cable operating apparatus. 4,872,368, 10-10-89, Cl. 74-542.000.
Porter, Curtis H.: *See—*
  Hass, Tave; Ancell, Stephen W.; and Porter, Curtis H., 4,850,242, Cl. 74-512.000.
Porter, David A.: *See—*
  Jenkins, Michael S.; Simpson, Andrew F.; and Porter, David A., 4,828,880, Cl. 427-167.000.
Porter, David H.: *See—*
  Wenman, James A.; Bray, Douglas R.; and Porter, David H., 4,861,273, Cl. 439-111.000.
Porter, Donald L. Control system and method for high production plaster pump. 4,850,513, 7-25-89, Cl. 222-1.000.
Porter, E. Ilene. Baby safety bag. 4,823,405, 4-25-89, Cl. 2-80.000.
Porter, Edward W., to Dragon Systems, Inc. Voice recognition system. 4,829,576, 5-9-89, Cl. 381-43.000.
Porter, Floyce M.: *See—*
  Porter, Toney L.; and Porter, Floyce M., 4,821,990, Cl. 248-316.500.

Porter, Frederick D.: *See—*
Beckner, Mark W.; Porter, Frederick D.; and Shu, Kuang-I, 4,833,671, Cl. 370-80.000.

Porter, Frederick J.: *See—*
Pidsosny, Richard A.; and Porter, Frederick J., 4,867,536, Cl. 350-337.000.

Porter, G. Burns, Jr.: *See—*
Huddleston, Paul M.; Porter, G. Burns, Jr.; and Rooney, David T., 4,855,922, Cl. 364-464.040.

Porter, Gary L.; and Cade, William B., to Texaco Inc. Manual port closing tool for well cementing. 4,850,432, 7-25-89, Cl. 166-373.000.

Porter, Glenn A. Pulley with cord retention member. 4,842,251, 6-27-89, Cl. 254-390.000.

Porter, Glenn A. Marine craft lift. 4,861,192, 8-29-89, Cl. 405-3.000.

Porter, Harold F.: *See—*
Rogers, Janet M.; and Porter, Harold F., 4,847,062, Cl. 423-379.000.

Porter, James L. Receptacle cover for prevention loss of trays with trash. 4,878,590, 11-7-89, Cl. 220-1.00T.

Porter, James P.; Matsushita, Tatsuo; and Hesterberg, Lyndal K., to Fermenta Animal Health Company. Method for the detection of equine infectious anemia and other retrovirus infections using a competitive enzyme-linked immunoabsorbent assay and reagents useful in the same. 4,806,467, 2-21-89, Cl. 435-7.000.

Porter, Jeffrey D.: *See—*
Hafer, Paul H.; Hanson, Bradley W.; Porter, Jeffrey D.; and Smith, James, Jr., 4,828,011, Cl. 164-255.000.

Porter, John W., III. Endotracheal tube combination. 4,840,173, 6-20-89, Cl. 128-207.150.

Porter, LaMonte D.: *See—*
Fleming, Marc A.; and Porter, LaMonte D., 4,823,929, Cl. 198-345.000.

Porter, Marion G.; Webster, Marvin K.; and Lange, Ronald E., to Honeywell Bull Inc. Apparatus for forcing a reload from main memory upon cache memory error. 4,831,622, 5-16-89, Cl. 371-10.000.

Porter, Philip: *See—*
Davis, Paul J.; and Porter, Philip, 4,889,816, Cl. 436-518.000.

Porter, Randall A.; and Reed, Larry E., to Phillips Petroleum Company. Antifoulants comprising tin, antimony and aluminum for thermal cracking processes. 4,863,892, 9-5-89, Cl. 502-170.000.

Porter, Randall A.: *See—*
Reed, Larry E.; and Porter, Randall A., 4,804,487, Cl. 252-400.100.

Porter, Rick A.; and Hoernle, Hans R., to Springs Industries, Inc. Method of making coated fire barriers for upholstered furnishings. 4,806,185, 2-21-89, Cl. 156-78.000.

Porter, Robert D., to McDonnell Douglas Corporation. Magnetic wire holding device. 4,821,422, 4-18-89, Cl. 33-199.00R.

Porter, Roderick A.: *See—*
Manley, Paul W.; and Porter, Roderick A., 4,804,658, Cl. 514-234.200.
Manley, Paul W.; Porter, Roderick A.; and Lai, Mun F., 4,837,333, Cl. 548-341.000.

Porter, Roger D. Trench digging, cable laying and trench filling apparatus. 4,825,569, 5-2-89, Cl. 37-142.500.

Porter, Samuel: *See—*
Das, Suryya K.; Dowbenko, Rostyslaw; and Porter, Samuel, 4,801,653, Cl. 525-286.000.

Porter, Samuel, Jr.; Simpson, Dennis A.; and Blackburn, William F., to PPG Industries, Inc. Composite coatings employing polyepoxides and polyacid curing agents in base coats. 4,849,283, 7-18-89, Cl. 428-323.000.

Porter, Samuel, Jr.: *See—*
Ambrose, Ronald R.; O'Dwyer, James B.; Johnston, Byron K.; Zielinski, David P.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,859,743, Cl. 525-443.000.
Das, Suryya K.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,818,796, Cl. 525-329.500.
Kania, Charles M.; and Porter, Samuel, Jr., 4,808,656, Cl. 524-512.000.

Porter Sewing Machines, Inc.: *See—*
Babson, Edward; Brophy, Thomas G.; and Marcangelo, Steven, 4,825,787, Cl. 112-262.300.

Porter, Stuart C.; and Woznicki, Edward J., to Colorcon, Inc. Maltodextrin coating. 4,828,841, 5-9-89, Cl. 424-479.000.

Porter, Stuart J. Platform bracket. 4,809,637, 3-7-89, Cl. 114-362.000.

Porter, Stuart J. Top release platform bracket. 4,854,534, 8-8-89, Cl. 248-222.100.

Porter, Thomas K.; and Levinthal, Adam E., to Pixar. Computer system for processing binary numbering format and determining the sign of the numbers from their two most significant bits. 4,845,666, 7-4-89, Cl. 364-900.000.

Porter, Toney L.; and Porter, Floyce M. Flashlight holder. 4,821,990, 4-18-89, Cl. 248-316.500.

Porter, Vernon R.: *See—*
Merryman, Jerry D.; and Porter, Vernon R., 4,886,958, Cl. 250-201.000.

Porter, Warren W., to NCR Corporation. Right angle electrical connector. 4,798,541, 1-17-89, Cl. 439-67.000.

Porter, Warren W.; and Lauffer, Donald K., to NCR Corporation. Cryogenic vessel for cooling electronic components. 4,805,420, 2-21-89, Cl. 62-514.00R.

Porter, Warren W., to NCR Corporation. Right angle electrical connector with or without wiping action. 4,815,979, 3-28-89, Cl. 439-62.000.

Porter, Warren W., to NCR Corporation. Small outline SMT test connector. 4,822,295, 4-18-89, Cl. 439-330.000.

Porter, Warren W., to NCR Corporation. Cryogenic liquid pump. 4,852,357, 8-1-89, Cl. 62-50.400.

Porter, Warren W., to NCR Corporation. Differential temperature se 4,865,331, 9-12-89, Cl. 277-26.000.

Porter, Warren W., to NCR Corporation. Apparatus and method for cooling an electronic device. 4,866,570, 9-12-89, Cl. 361-382.000.

Porter, Warren W., to NCR Corporation. Integrated circuit chip insertion and removal tool. 4,866,838, 9-19-89, Cl. 29-741.000.

Porter, Warren W., to NCR Corporation. Liquid level control for a cryogenic fluid. 4,873,832, 10-17-89, Cl. 62-49.200.

Porter, Willie E. Cyclist water supply apparatus. 4,815,635, 3-28-89, Cl. 222-136.000.

Porterfield, Andrew D., to VFR, Inc. Aluminum resistant refractory composition. 4,806,509, 2-21-89, Cl. 501-127.000.

Porterfield, Donald S., to Raytheon Company. Circuitry and method for controlling IMPATT diode. 4,849,718, 7-18-89, Cl. 331-176.000.

Porterfield, James A.; and Stringer, Marie A. Lumbar stabilizer. 4,794,916, 1-3-89, Cl. 128-78.000.

Porterfield, Richard: *See—*
Hamilton, Daniel A.; Spowart, James R.; and Porterfield, Richard, 4,828,452, Cl. 221-1.000.

Porterfield, Richard F.; and Biesecker, Douglas A., to Universal Instruments Corporation. Pick and place nozzle with concentric grooves. 4,887,351, 12-19-89, Cl. 29-740.000.

Portescap: *See—*
Oudet, Claude, 4,823,040, Cl. 310-268.000.
Oudet, Claude; Drey, Gilbert; and Veignat, Norbert, 4,866,321, Cl. 310-269.000.

Portex, Inc.: *See—*
LaBombard, Denis, 4,817,598, Cl. 128-207.140.

Porth, Chris H., Jr., to Skil Corporation. Hand-held tool with shaft lock. 4,804,048, 2-14-89, Cl. 173-47.000.

Porth, Wolfgang; and Weibler, Wolfgang, to VDO Adolf Schindling AG. Measurement probe. 4,831,876, 5-23-89, Cl. 73-204.180.

Porth, Wolfgang; and Weibler, Wolfgang, to VDO Adolf Schindling AG. Apparatus for measuring velocity of flow. 4,841,769, 6-27-89, Cl. 73-204.260.

Porth, Wolfgang: *See—*
Weibler, Wolfgang; and Porth, Wolfgang, 4,821,700, Cl. 123-494.000.
Weibler, Wolfgang; and Porth, Wolfgang, 4,841,938, Cl. 123-494.000.

Portier, Ralph J., to Louisiana State University. Microorganisms for biodegrading toxic chemicals. 4,859,594, 8-22-89, Cl. 435-172.100.

Portier, Ralph J., to Louisiana State University. Decontamination of contaminated streams. 4,882,066, 11-21-89, Cl. 210-679.000.

Portion Control Systems, Inc.: *See—*
Mullen, Joseph F.; and Sanderson, Stephen J., 4,804,118, Cl. 222-641.000.

Portman, Joseph L., Jr.; and Margraf, David J., to Alcor, Inc. Piezoelectric viscometer. 4,799,378, 1-24-89, Cl. 73-54.000.

Portmann, August T., to Bruderer Ag. Ram guiding apparatus for a punch press. 4,854,152, 8-8-89, Cl. 72-456.000.

Portney, Valdemar; and Ting, Albert C., to Allergan, Inc. Manufacture of ophthalmic lenses by excimer laser. 4,842,782, 6-27-89, Cl. 264-1.400.

Portnoff, Marc A.: *See—*
Grace, Richard; Guzman, Alberto M.; Portnoff, Marc A.; Paris, David A.; Runco, Paul D.; and Tabacchi, John G., 4,847,793, Cl. 364-497.000.

Portnoff, Neil: *See—*
Penkunas, Joe; and Portnoff, Neil, 4,865,392, Cl. 299-86.000.

Portnoy, Harold D. Physiological draining system with differential pressure and compensating valves. 4,867,741, 9-19-89, Cl. 604-10.000.

Portnoy, Vladimir, to Allergan, Inc. Ocular topology system. 4,838,660, 6-13-89, Cl. 351-212.000.

Portnoy, Vladimir: *See—*
Knight, Patricia M.; Portnoy, Vladimir; Christ, F. Richard; [illegible], Alan E.; Van Gent, Stanley L.; and Paul, Lyle E., 4,834,751, Cl. 623-6.000.

Portoghese, Philip S., to University of Minnesota, Regents of the. Gut-selective opiates. 4,806,556, 2-21-89, Cl. 546-44.000.

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Portuese, Peter. Child proof seat belt restraint. 4,878,277, 11-7-89, Cl. 24-633.000.

Portugal, Joseph J.: *See—*
Kane, Robert F.; Portugal, Joseph J.; and Kuzniar, Paul S., 4,867,015, Cl. 76-108.00A.

Portugall, Michael; Blinne, Gerd; and Sterzel, Hans-Josef, to BASF Aktiengesellschaft. Wholly aromatic mesomorphic polyether esters and the preparation thereof. 4,797,465, 1-10-89, Cl. 528-176.000.

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Portugall, Michael: *See—*
Hisgen, Bernd; Kock, Hans-Jakob; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,801,676, Cl. 528-170.000.
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Germain, Robert A.; and Portz, William E., 4,848,073, Cl. 56-400.170.

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Atkinson, Paul H.; Bellamy, A. Richard; Both, Gerald W.; and Poruchynsky, Marianne S., 4,861,864, Cl. 530-324.000.

Poraczik, Paul; and Cheers, Christopher F., to Metal Box plc. Reducing the diameter of tubular bodies. 4,854,149, 8-8-89, Cl. 72-352.000.

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Kleinerman, George J.; and Woodcock, John M., 4,888,829, Cl. 2-167.000.

Porzio, Linda A.: *See—*
Arczewski, Henry E.; Porzio, Linda A.; Chiang, Bin Y.; Spotts, Clyde E., Jr.; McHugh, Kevin; and Szwerc, Joseph A., 4,859,473, Cl. 426-19.000.

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Posa, John G.: *See—*
Page, Theron V., Jr.; Boydston, Thomas F.; and Posa, John G., 4,844,006, Cl. 118-719.000.

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Posca, Jorge E. Automatic surveyor for dental models. 4,802,846, 2-7-89, Cl. 433-75.000.

Posch, Uwe: *See—*
Engel, Gunter; Krempl, Peter W.; List, Helmut; Posch, Uwe; and Nitsch, Alfred, 4,881,003, Cl. 310-311.000.

Poschet, Klaus; and Banteli, Willy, to Bircher, AG. Pressure actuated snap switch. 4,853,506, 8-1-89, Cl. 200-463.000.

Poschl, Gunter: *See—*
Hopfl, Wolfgang E.; Lamm, Hermut; and Poschl, Gunter, 4,800,730, Cl. 62-228.300.

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Moran, James W.; Posdal, James R.; and Trecker, Gary W., 4,820,530, Cl. 426-40.000.

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Poser, Claudia I.: *See—*
Krueger, Dennis L.; Loeding, Neil W.; and Poser, Claudia I., 4,820,586, Cl. 428-421.000.

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Benedict, James J.; Degenhardt, Charles R.; and Poser, James W., 4,830,847, Cl. 424-1.100.

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Posey, John L.; and Swank, Ronald W., to Baxter International Inc. Apparatus for sterilizing film and like packaging material. 4,888,155, 12-19-89, Cl. 422-45.000.

Posey, Norvan J.: *See—*
Hinn, Edward E.; Royer, Lee J.; Jehring, Thomas D.; Faulkenberry, William E.; Posey, Norvan J.; and Richeson, Joseph T., 4,860,602, Cl. 73-865.900.

Posey, William T., to Hermetic Switch, Inc. Electrical receptable alarm switch. 4,855,719, 8-8-89, Cl. 340-568.000.

Posi-Plus Technologies Inc.: *See—*
Michaud, Paul; Bedard, Jean T.; and Poudrier, Bertrand, 4,838,381, Cl. 182-2.000.

Posi-Seal International, Inc.: *See—*
Popillo, Andrew; and Babcock, Jon A., 4,836,500, Cl. 251-306.000.

Position Orientation Systems, Inc.: *See—*
Hansen, Per K., 4,823,170, Cl. 356-375.000.
Hansen, Per K., 4,858,203, Cl. 367-103.000.

Posner, Barry I.; and Fantus, I. George. Vanadium-peroxide compositions as insulin mimickers. 4,882,171, 11-21-89, Cl. 424-616.000.

Posner, Brian. Shopping bag. 4,871,100, 10-3-89, Cl. 224-42.46R.

Posner, Carole; and Gasparri, Angelo S. Guardrail window assembly with movable crossheader. 4,835,920, 6-6-89, Cl. 52-207.000.

Posner, Edward C.; and Smyth, Patrick, to Pacific Bell. Cross-connect switch. 4,807,280, 2-21-89, Cl. 379-272.000.

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Pospischil, Reginhard; Breitfelder, Peter; and Timmermann, Uwe, to Siemens Aktiengesellschaft. Method for monitoring and controlling the traffic in digital transmission networks. 4,797,875, 1-10-89, Cl. 370-92.000.

Pospischil, Reginhard, to Siemens Aktiengesellschaft. Self-synchronizing scrambler. 4,807,290, 2-21-89, Cl. 380-43.000.

Pospischil, Werner; and Hartwig, Guenter, to Siemens Aktiengesellschaft. Method and apparatus for functional testing of a suspension device for a load. 4,862,742, 9-5-89, Cl. 73-161.000.

Pospisil, Jirina V., to Unitek Corporation. Orthodontic bracket. 4,820,151, 4-11-89, Cl. 433-17.000.

Pospisil, Richard E.: *See—*
Lubarsky, Andre; and Pospisil, Richard E., 4,841,437, Cl. 364-200.000.

Poss, Eliasz: *See—*
Toni, Darryl; and Poss, Eliasz, 4,888,451, Cl. 174-94.00R.

Poss, Joey M.: *See—*
Kakaon, Dean R.; Melas, Constantin M.; and Poss, Joey M., 4,853,802, Cl. 360-65.000.

Posseme, Gilles, to Thomson CSF. System for calculating the path of a naval vessel. 4,808,923, 2-28-89, Cl. 324-207.000.

Possin, George E.: *See—*
Cusano, Dominic A.; and Possin, George E., 4,873,708, Cl. 378-62.000.
Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,855,806, Cl. 357-59.000.
Parks, Harold G.; Piper, William W.; Possin, George E.; and Castleberry, Donald E., 4,889,411, Cl. 350-334.000.

Possis, Zinon C. Automatic pet feeder. 4,889,077, 12-26-89, Cl. 119-51.110.

Posso, Patrick P., to Gefitec S.A. Case of molded synthetic material for flat, thin objects. 4,836,376, 6-6-89, Cl. 206-45.230.

Posso, Patrick P. P., to Gefitec S.A. Storage arrangement constituted by a stack of boxes. 4,863,222, 9-5-89, Cl. 312-107.000.

Post, Carla Lotz nee, heir and Andreas Lotz, heir: *See—*
Lotz, Michael, deceased; Vanino, Rudiger, deceased; K[illegible], Peter; Welte, Dieter; and Zimmer, Herbert, 4,856,735, Cl. 2-[illegible] 35.00R.

Post, Friedhelm, to Alpha Maschinenbau AG. Three-dimensional bending apparatus. 4,825,678, 5-2-89, Cl. 72-307.000.

Post, Harold: *See—*
Swanson, Wesley W., 4,821,787, Cl. 160-135.000.

Post, Herman D. Vehicle loading attachment. 4,858,981, 8-22-89, Cl. 296-76.000.

Post, Kendall E.: *See—*
Bahr, Dennis E.; Clark, Kenneth R.; and Post, Kendall E., 4,796,184, Cl. 364-413.030.
Bahr, Dennis E.; Fortney, Neil K.; Skroch, Michael; Ziemann, Erich T.; and Post, Kendall E., 4,814,771, Cl. 342-389.000.
Monson, Mark B.; Blandino, Thomas P.; Bahr, Dennis E.; and Post, Kendall E., 4,875,019, Cl. 330-302.000.

Post, Leonard E.; and Thomsen, Darrell R., to Upjohn Company, The. Pseudorabies virus mutants incapable of producing glycoprotein X. 4,810,634, 3-7-89, Cl. 435-235.000.

Post, Leonardus H. J.: *See—*
Halm, Jan H.; Post, Leonardus H. J.; van Otterdijk, Johannes F.; and van der Stelt, Paul F., 4,829,548, Cl. 378-38.000.

Post, Lothar; and Schneider, Bernhard, to Rheinmetall GmbH. Straight breech for an automatic gun barrel weapon, in particular a machine cannon. 4,807,513, 2-28-89, Cl. 89-11.000.

Post, Lothar; Schneider, Bernhard; and Menges, Horst, to Rheinmetall GmbH. Device for forward oriented case ejection in an externally driven automatic cannon. 4,869,150, 9-26-89, Cl. 89-11.000.

Post, Martin F. M.: *See—*
De Jong, Krijn P.; Glezer, Johannes H. E.; and Post, Martin F. M., 4,857,497, Cl. 502-242.000.

Post Office, The: *See—*
Sargent, Desmond J., 4,873,662, Cl. 364-900.000.

Post, Robert C.; Bordelon, Kevin N.; and Moon, Burl M., to Air Products and Chemicals, Inc. Barrel structure for semiconductor epitaxial reactor. 4,823,736, 4-25-89, Cl. 118-730.000.

Post, Robert C.: *See—*
Bertin, Robert; Miller, Michael B.; Moon, Burl M.; and Post, Robert C., 4,861,533, Cl. 264-81.000.

Post, Russell H., Jr. Simulated strap hinge. 4,825,508, 5-2-89, Cl. 16-250.000.

Post, Russell H., Jr. Cupola Mount. 4,888,923, 12-26-89, Cl. 52-200.000.

Post, Steven L.: *See—*
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Postal, Jeffrey J.: *See—*
Rettig, Vernon E.; Steilen, Ronald M.; and Postal, Jeffrey J., 4,800,964, Cl. 172-711.000.

Postanschrift, Wie: *See—*
Hanke, Peter; and Postanschrift, Wie, 4,878,720, Cl. 350-6.400.

Poste, Steven D.: *See—*
Claar, T. Dennis; Poste, Steven D.; Gesing, Adam J.; Sobczyk, Marek; Raghavan, Narashima S.; Creber, Dave K.; and Nagelberg, Alan S., 4,824,625, Cl. 264-126.000.
Park, Eugene S.; and Poste, Steven D., 4,808,558, Cl. 501-80.000.

Postel, Jurgen: *See—*
Marz, Peter; and Postel, Jurgen, 4,824,433, Cl. 604-21.000.

Postel, Kevin S., to AMP Incorporated. Article inverting device. 4,817,777, 4-4-89, Cl. 193-46.000.

Postel, Lothar: *See—*
Reim, Ingeborg; Pohl, Gerhard; Gotzke, Wolfgang; Wahnberger, Dieter; Postel, Lothar; Kindlein, Irmgard; Vatter, Rudolf; and Greschke, Manfred, 4,794,678, Cl. 28-107.000.

Poster, Thomas J., Jr., to GTE Products Corporation. Telephone network interface system. 4,800,588, 1-24-89, Cl. 379-412.000.

Postic, Stephen. Portable food tray. 4,850,282, 7-25-89, Cl. 108-47.000.

Postler, Gunter; Anacker, Lothar; Furst, Wilhelm; and Brunner, Anton, to Diehl GmbH & Co. Submunition member with laterally outwardly-movable target detection device. 4,848,235, 7-18-89, Cl. 102-393.000.

Postma, Robert, to One VanWingerden. Transporter for plant trays. 4,876,967, 10-31-89, Cl. 105-30.000.

Poston, Billy R.: *See—*
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Postupack, Dennis S., to PPG Industries, Inc. Electroformed patterns for curved shapes. 4,845,310, 7-4-89, Cl. 174-35.00R.

Potage, Jean; and Albrieux, Vincent, to LMT Radio Professionnelle. Method and device for the automatic recognition of targets from "Doppler" echoes. 4,864,307, 9-5-89, Cl. 342-192.000.

- Potash Corporation of Saskatchewan: *See—*
  - Derdall, Gary D.; Erickson, William R.; Phinney, Robin L.; and Wilson, James D., 4,828,811, Cl. 423-319.000.
- Potash, Hanan: *See—*
  - Cook, Erick M.; Phelps, Andrew E.; and Potash, Hanan, 4,837,730, Cl. 364-200.000.
- Potash, Richard J.; and Burns, Steven K., to Computer Sports Medicine, Inc. Method for adjusting clocks of multiple data processors to a common time base. 4,882,739, 11-21-89, Cl. 375-109.000.
- Poteat, Thomas J.: *See—*
  - Scharp, David W.; Lacy, Paul E.; Finke, Edward H.; and Poteat, Thomas J., 4,868,121, Cl. 435-268.000.
- Poteet, Aaron D.: *See—*
  - Peterson, Robert K.; Mowatt, Larry J.; and Poteet, Aaron D., 4,882,454, Cl. 174-68.500.
- Poteet, John H. Flood alarm. 4,800,372, 1-24-89, Cl. 340-625.000.
- Poteet, William C., to Dow Chemical Company, The. Releasable polyurethane backed textiles. 4,853,280, 8-1-89, Cl. 428-286.000.
- Potember, Richard S.; and Poehler, Theodore O., to Johns Hopkins University, The. Multistate optical switching and memory apparatus using an amphoteric organic charge transfer material. 4,825,408, 4-25-89, Cl. 365-113.000.
- Potemkin, Gennady Y. Reamer. 4,795,289, 1-3-89, Cl. 408-80.000.
- Potemkin, Gennady Y. Apparatus to secure tool in holder. 4,832,546, 5-23-89, Cl. 409-234.000.
- Potemski, Andrew S.: *See—*
  - Marple, Melvyn J.; and Potemski, Andrew S., 4,872,107, Cl. 364-200.000.
- Potente, Eugen; and Scheiler, Herbert, to Uniroyal Engelbert Reifen GmbH. Container with flexible walls. 4,871,598, 10-3-89, Cl. 428-36.100.
- Potenziani, Ernest, II: *See—*
  - Leupold, Herbert A.; and Potenziani, Ernest, II, 4,831,351, Cl. 335-306.000.
- Potenzone, Richard A. Voltage monitor. 4,879,625, 11-7-89, Cl. 361-90.000.
- Potepan, Agnes; and Dibble, Richard L., to Garlock Inc. High temperature compressed non-asbestos sheet. 4,859,526, 8-22-89, Cl. 428-283.000.
- Potepan, Agnes K.: *See—*
  - Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan, Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., 4,837,281, Cl. 525-234.000.
- Poterala, Robert J. Tenter entry feed system and method. 4,817,254, 4-4-89, Cl. 26-51.300.
- Poterala, Robert J. Feather light web edge sensor. 4,859,860, 8-22-89, Cl. 250-548.000.
- Potes, Duane: *See—*
  - Vidwans, Mohan P.; Potes, Duane; and Opalia, John P., 4,861,107, Cl. 297-408.000.
- Potesta, Richard E., to Stride Tool Inc. Tool for trimming hose and inserting fitting. 4,811,441, 3-14-89, Cl. 7-158.000.
- Potgeter, Georg: *See—*
  - Furrer, Jurgen; Jannakos, Konstantin; and Potgeter, Georg, 4,826,518, Cl. 55-484.000.
- Potgieter, Leon N. D.: *See—*
  - Green, Wallace H.; and Potgieter, Leon N. D., 4,818,528, Cl. 424-92.000.
- Pothe, Erich: *See—*
  - Bohne, Hans; Butterweck, Artur; Pothe, Erich; and Hansohm, Hans-Jurgen, 4,833,968, Cl. 89-36.080.
- Pothetes, Nicholas L. Device for disposing of sharp instruments. 4,859,515, 8-22-89, Cl. 428-40.000.
- Potier, Pierre: *See—*
  - Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, 4,801,602, Cl. 514-398.000.
  - Barton, Derek; Potier, Pierre; Herve, Yolande; and Thierry, Josiane, 4,868,307, Cl. 546-256.000.
  - Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,814,470, Cl. 514-449.000.
  - Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,857,653, Cl. 549-511.000.
  - Delevallee, Francoise; and Potier, Pierre, 4,879,298, Cl. 514-282.000.
- Potin, Philippe: *See—*
  - Bordere, Serge; Pagniez, Guy; and Potin, Philippe, 4,889,910, Cl. 528-168.000.
  - Chambrette, Jean-Paul; de Jaeger, Roger; and Potin, Philippe, 4,810,480, Cl. 423-300.000.
  - Pagniez, Guy; Passimourt, Nadine; and Potin, Philippe, 4,824,648, Cl. 423-300.000.
  - Passimourt, Nadine; and Potin, Philippe, 4,812,297, Cl. 423-300.000.
- Potlatch Corporation: *See—*
  - Martin, Leslie L., Jr., 4,806,398, Cl. 428-34.200.
- Potochnik, Lawrence M.: *See—*
  - Fero, Arnold H.; Potochnik, Lawrence M.; Riling, Ronald W.; and Semethy, Kenneth F., 4,876,058, Cl. 376-247.000.
- Potochnik, Ventzel J.: *See—*
  - Carl, Richard M.; and Potochnik, Ventzel J., 4,822,224, Cl. 411-82.000.
- Potocjnak, Tomislav, to Tepora Transportsysteme Entwicklungs-GmbH. Storage assembly. 4,838,749, 6-13-89, Cl. 414-277.000.
- Potocnik, Joze: *See—*
  - Kogej, Boris; and Potocnik, Joze, 4,872,255, Cl. 29-597.000.
- Potocnjak, Tomislav, to TEPORA Transportsysteme Entwicklung GmbH. Apparatus for stabilizing the load of a crane or the lik 4,842,150, 6-27-89, Cl. 212-147.000.
- Potomac Photonics, Inc.: *See—*
  - Christensen, Clad P., Jr.; and Mouloulas, Christopher, 4,796,27 Cl. 372-57.000.
- Potrafke, William A.: *See—*
  - Karst, David A.; Pawlowski, Felix R.; Potrafke, William A.; an Schuneman, Harold E., 4,857,119, Cl. 148-318.000.
- Potratz, Bryan A., to Motorola, Inc. Speakerphone using digita compressed audio to detect acoustic feedback. 4,843,621, 6-27-89, C 379-58.000.
- Potsch, Edmund R. Method and apparatus for determining at least on characteristic value of movement of a body. 4,821,218, 4-11-89, C 364-566.000.
- Pott, Richard; Eiling, Aloys; and Kampf, Gunther, to Bayer Aktiengesellschaft. Non-volatile electronic memory. 4,860,254, 8-22-89, C 365-145.000.
- Pottebaum, Ken L.: *See—*
  - Genheimer, Stephen R.; and Pottebaum, Ken L., 4,882,298, C 360-60.000.
- Potter, Anthony B.; Wilson, John K.; Quackenbush, Kirk; and Dwyer E. Jane, to University of Virginia Alumni Patents Foundation, The Endotracheal tube stabilizing devices. 4,867,154, 9-19-89, C 128-207.170.
- Potter & Brumfield, Inc.: *See—*
  - Minnette, Jeffrey C., 4,835,502, Cl. 335-201.000.
- Potter, Christopher J.: *See—*
  - Harrison, Paul J.; Langridge, John R.; and Potter, Christopher J. 4,806,361, Cl. 424-495.000.
- Potter, Christopher M.; and Hjipieris, George, to Marconi Instrumen Limited. Six-port reflectometer test arrangement and method inclu ing calibration. 4,808,912, 2-28-89, Cl. 324-58.00B.
- Potter, Daniel R.: *See—*
  - Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGunn Thomas; Potter, Daniel R.; and Potter, Stephen F., 4,817,308, C 36-114.000.
- Potter, David: *See—*
  - Hobson, Richard S.; and Potter, David, 4,877,286, Cl. 297-195.00
- Potter, J. Larry: *See—*
  - Wilson, Wilfred W.; Polemenakos, Sotiros C.; Potter, J. Larry; Mangold, Donald J.; Harlowe, William W.; and Schlamee Herman W., 4,874,611, Cl. 424-410.000.
- Potter, James C.: *See—*
  - Greeves, Godfrey; Potter, James C.; Andrews, Richard J.; an Harris, Kenneth M., 4,874,301, Cl. 417-462.000.
  - Logie, Frank M.; and Potter, James C., 4,869,462, Cl. 251-129.1
- Potter, John L. Process and composition for a metal polish. 4,853,0 8-1-89, Cl. 51-309.000.
- Potter, Lester A.: *See—*
  - Frimmel, James J., Jr.; Ouellette, Thomas; Deglin, Richard N.; an Potter, Lester A., 4,829,514, Cl. 370-55.000.
- Potter, Michael W., to Shell Oil Company. Process for removing flyin from gas. 4,857,077, 8-15-89, Cl. 48-197.00R.
- Potter, Paul S., to Clark United Corporation. Spindle bearing assemb for turbine ventilator. 4,831,921, 5-23-89, Cl. 98-75.000.
- Potter, Richard H.: *See—*
  - Rohr, Martin; Potter, Richard H.; and Naspower, Richard E 4,851,050, Cl. 131-276.000.
- Potter, Robert I. Current to pressure tranducer employing magnet fluid. 4,874,005, 10-17-89, Cl. 137-85.000.
- Potter, Ross H.: *See—*
  - Hirschman, Alan D.; Reilly, David M.; Potter, Ross H.; Stein John; Toft, Eric M.; and Clark, John G., 4,854,326, C 128-655.000.
- Potter, Stephen F.: *See—*
  - Parker, Mark G.; Forland, David M.; Lee, Lester Q.; McGunn Thomas; Potter, Daniel R.; and Potter, Stephen F., 4,817,308, C 36-114.000.
- Potter, Terry A.; Pantone, Richard S.; and Carter, Russell P., Jr., t Mobay Corporation. Color stable urethane prepolymer. 4,814,10 3-21-89, Cl. 252-182.220.
- Potter, Terry A.: *See—*
  - Slack, William E.; Potter, Terry A.; and Dunlap, Kenneth L 4,810,820, Cl. 560-27.000.
- Potter, Wilburn H.: *See—*
  - Jennings, Richard E.; Potter, Wilburn H.; and Seymour, Shaun A 4,870,812, Cl. 56-341.000.
- Potter, William D.: *See—*
  - Rawlings, David A.; and Potter, William D., 4,798,201, C 128-156.000.
- Potter, William J., to General DataComm, Inc. Apparatus and metho for adaptively optimizing equalization delay of data communicatio equipment. 4,811,360, 3-7-89, Cl. 375-11.000.
- Potter, William R.: *See—*
  - Dougherty, Thomas J.; Potter, William R.; and Weishaupt Kenneth R., 4,866,168, Cl. 540-145.000.
  - Dougherty, Thomas J.; Potter, William R.; and Weishaupt Kenneth R., 4,889,129, Cl. 128-664.000.
- Potters Industries, Inc.: *See—*
  - Dejaiffe, Robert, 4,810,675, Cl. 501-31.000.
  - Teichmann, Robert J.; Walther, James F.; and Mulhall Robert C 4,857,233, Cl. 252-513.000.
- Potthast, Jurgen; and Tischer, Kurt M., to Nokia Graetz GmbH Projection tube having an insulating layer of magnesium oxide and high transmission metal grating. 4,838,651, 6-13-89, Cl. 350-331.00R

- Potthof, Erwin: *See—*
  - Meisner, Alfred; Potthof, Erwin; and Fluhrer, Henry, 4,841,493, Cl. 367-140.000.
- Pottick, Lorelle; Willis, Carl L.; Gergen, William P.; and Lutz, Robert G., to Shell Oil Company. Modified block copolymers having carboxyl groups grafted on the alkenyl arene blocks. 4,868,245, 9-19-89, Cl. 525-98.000.
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- Pottorff, Earl T. Rotary vacuum wicketter. 4,877,233, 10-31-89, Cl. 271-196.000.
- Potts, Alan, to MMD Design and Consultancy Limited. Mineral sizers. 4,799,627, 1-24-89, Cl. 241-236.000.
- Potts, Angela C.; and Gibson, Mark, to American Cyanamid Company. Stable ophthalmic preparations containing acetazolamide. 4,888,168, 12-19-89, Cl. 424-78.000.
- Potts, David E.: *See—*
  - Perry, Joseph W.; Uhl, Jonathan T.; Davis, Thomas L.; and Potts, David E., 4,846,134, Cl. 123-520.000.
- Potts, Gerald R. High speed tire testing device with compensated linkages. 4,856,324, 8-15-89, Cl. 73-146.000.
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  - Neer, Robert M.; Potts, John T., Jr.; and Slovik, David M., 4,833,125, Cl. 514-12.000.
- Potts, Lanny L., to Tri-Tech Inc. Upper body exercise apparatus. 4,846,458, 7-11-89, Cl. 272-65.000.
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  - Poroshin, Jury E.; Gorbachev, Igor M.; Potysiev, Vladimir M.; Sorochkin, Vladimir P.; and Sivko, Vladimir I., 4,850,861, Cl. 432-99.000.
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  - Haire, William M.; and Pou, Celestino, 4,877,513, Cl. 208-106.000.
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  - Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.
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  - Biardeau, Gilles; Demazeau, Gerard; and Pouchard, Michel, 4,810,479, Cl. 423-290.000.
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  - Brown, Peter A.; Jenkins, Kenneth N.; and Pouget, Paul A., 4,854,150, Cl. 72-369.000.
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  - Raoux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, 4,864,169, Cl. 310-12.000.
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  - Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, 4,801,602, Cl. 514-398.000.
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  - Mulcey, Philippe; Pourprix, Michel; Pybot, Patrick; and Vendel, Jacques, 4,868,398, Cl. 250-458.100.
- Pourrias, Bernard M.: *See—*
  - Bourgery, Guy R.; Lacour, Alain P.; Pourrias, Bernard M.; and Santamaria, Raphael, 4,831,051, Cl. 514-452.000.
- Pourtau, Thierry; and Thiriet, Abel, to Tomecanic. Tool for cutting tiles in earthenware or similar materials. 4,829,976, 5-16-89, Cl. 125-36.000.
- Pousette, Ronald D., to Brunette Machine Works, Ltd. Air seal for rotary log debarker. 4,830,072, 5-16-89, Cl. 144-208.00E.
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  - Crockett, Robert N.; Kern, Robert F.; Miller, Arnold G.; Norris, Richard E.; Pousson, Michael W., Jr.; and Wagner, Robert E., 4,837,680, Cl. 364-200.000.
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  - Pommier, Jean-Claude; and Poustis, Joel, 4,822,826, Cl. 521-84.100.
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- Pouyer, Joseph E. Method and apparatus for construction of artificial roads. 4,889,444, 12-26-89, Cl. 404-34.000.
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- Povlick, Thomas P.: *See—*
  - Haefner, Kenneth B.; and Povlick, Thomas P., 4,849,601, Cl. 219-110.000.
- Pow, Edwin C.: *See—*
  - Stubbe, James S.; Chevalier, James L.; and Pow, Edwin C., 4,838,208, Cl. 122-17.000.
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- Powel, Stephen S.; and Darby, Robert J., to Powel, Stephen S.; and Darby, Robert J. Reusable winding tube. 4,734,314, 5-30-89, Cl. 242-125.100.
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- Powell, Charles B.: *See—*
  - Bainbridge, Marlene A.; Powell, Charles B.; and Finsterwald, P. Michael, 4,824,339, Cl. 417-477.000.
- Powell, Daniel A.: *See—*
  - Shouldice, David R.; Treu, Dennis M.; Powell, Daniel A.; and Cernich, Thomas, 4,857,181, Cl. 210-87.000.
- Powell, David W. Trimmer attachment. 4,872,265, 10-10-89, Cl. 30-296.00A.
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  - Sutherland, Leslie H.; Sloboda, Adolph E.; Child, Ralph G.; Poletto, John F.; and Powell, Dennis W., 4,847,381, Cl. 546-156.000.
- Powell, Dorothy. Luminous fishing rod clip. 4,823,496, 4-25-89, Cl. 43-17.500.

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  Higuchi, William I.; Fox, Jeffrey I.; and Powell, G. Lynn, 4,877,401, Cl. 433-215.000.
Powell, Gary R. Boat. 4,827,859, 5-9-89, Cl. 114-61.000.
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Powell, Mark A., to Texmark Enterprises, Inc. Dog training apparatus. 4,887,549, 12-19-89, Cl. 119-29.000.
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Power Curbers, Inc.: *See—*
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Power Flo Products Corp.: *See—*
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  Bruggeman, Jon; and Simonette, Dallas W., 4,882,978, Cl. 92-34.000.
  Bruggeman, William L., 4,810,123, Cl. 401-144.000.
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  Dyer, Richard A.; Knauer, Michael J.; Rabenberg, Berle E.; Bentley, Arthur C.; and Keelor, Richard O., 4,828,257, Cl 272-129.000.
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Powers Chemco, Inc.: *See—*
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Powers, James C.; and Kam, Chih-Min, to Georgia Tech Research Corporation. Isocoumarins with basic substituents as serine proteases inhibitors, anticoagulants and anti-inflammatory agents. 4,845,242, 7-4-89, Cl. 549-283.000.
Powers, James C., to Georgia Tech Research Institute. Heterocyclic inhibitors of serine proteases. 4,847,202, 7-11-89, Cl. 435-184.000.
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  Hossack, James M.; Powers, Jeffry E.; and Billings, John K., 4,887,246, Cl. 367-140.000.
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  Rizk, Sidky D.; Shah, Navinchandra B.; and Powers, John W., 4,842,938, Cl. 428-416.000.
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  Kitchin, Jonathan P.; Powers, Stephen R.; Penfound, Keith A.; Finn, Peter J.; and Fisher, Michael G., 4,814,827, Cl. 355-37.000.
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  Evans, Robert S.; Latham, Wayne M.; Powers, Thomas; and Robertson, Michael G., 4,859,943, Cl. 324-216.000.
Powers, Thomas F., to Hoover Universal, Inc. Blow molded bottle with improved self supporting base. 4,867,323, 9-19-89, Cl. 215-1.00C.
Powers, Thomas L.: *See—*
  Simon, William E.; Powers, Thomas L.; and Ernsberger, Glenn W., 4,871,914, Cl. 250-370.020.
Powers, Thomas P.; Seppala, Earl E.; and Young, James C., to Remington Arms Company. Firearm gas relief mechanism. 4,872,392, 10-10-89, Cl. 89-193.000.
Powers, Vernon B.; and Murphy, Deborah C., to Hercules Defense Electronics Systems Inc. Method of making a thin film integrated microcircuit. 4,797,992, 1-17-89, Cl. 29-600.000.
Powers, Wilber F., Jr.: *See—*
  Gentry, Bobby C.; Workman, Bobby G.; Powers, Wilber F., Jr.; and Bradley, Gary W., 4,843,696, Cl. 29-33.00F.
Powers, William J., III: *See—*
  Jao, Tze-Chi; and Powers, William J., III, 4,810,396, Cl. 252-33.000.
  Matthews, Leonard A.; Powers, William J., III; Przybyla, Henry M.; Whittle, Joanne R.; and Perciful, Jerry C., 4,879,053, Cl. 252-25.000.
Powerscreen International Limited: *See—*
  Mallaghan, Michael L., 4,879,023, Cl. 209-241.000.
Powertech Labs Inc.: *See—*
  Johnson, Robert E.; Dinsmore, William R.; and Hunt, Christopher I., 4,848,028, Cl. 47-57.500.
  Johnson, Robert E.; and Dinsmore, William R., 4,854,074, Cl. 47-57.500.
Powlan, Roy Y. Device for cutting threads in the walls of the acetabular cavity in humans. 4,802,468, 2-7-89, Cl. 128-92.00V.
Powlan, Roy Y. Leg sling. 4,823,782, 4-25-89, Cl. 128-94.000.
Powlan, Roy Y. Prosthetic device and method of fixation within the medullary cavity of bones. 4,888,024, 12-19-89, Cl. 623-23.000.
Pownall, David W.: *See—*
  Johnston, James S.; Pownall, David W.; and White, Melvyn S., 4,821,566, Cl. 73-178.00R.
Poynor, Russell R. Self propelled field irrigator. 4,832,263, 5-23-89, Cl. 239-197.000.
Poynter, William H., Jr.: *See—*
  Akeel, Hadi A.; Bartlett, Donald S.; and Poynter, William H., Jr., 4,807,486, Cl. 74-479.000.
Poythress, Cecil A.; and Wharton, Ronald. Amusement device for collecting coins. 4,871,055, 10-3-89, Cl. 194-344.000.
Pozefsky, Diane P.: *See—*
  Arrowood, Andrew H.; Baratz, Alan E.; Chimento, Philip F., Jr.; Drake, John E., Jr.; Eisenbies, John L.; Gray, James P.; Norsworthy, Karla J.; and Pozefsky, Diane P., 4,827,411, Cl. 364-300.000.
  Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., 4,873,517, Cl. 340-825.030
Pozniak, Donald J.; and Kutkus, Leonardas, to General Motors Corporation. Engine with valve seat inserts and method of retaining. 4,831,976, 5-23-89, Cl. 123-188.00S.
Pozo, Jaime F., to Amsted Industries Incorporated. Sand dispensing assembly. 4,809,883, 3-7-89, Cl. 222-141.000.
Pozzetti, Mario, to Marposs Societa' per Azioni. Method and relevant apparatus for controlling the machining of mechanical pieces. 4,829,717, 5-16-89, Cl. 51-165.760.
Pozzetti, Vittorio; Poggi, Piergiovanni; and Preti, Franco, to L.P.E. SpA. Epitaxial reactors. 4,858,557, 8-22-89, Cl. 118-725.000.
Pozzi, Franco; Longo, Antonio; and Carenzi, Angelo, to Zambon S.p.A. Pharamaceutical composition containing ubidecarenone. 4,869,900, 9-26-89, Cl. 424-94.100.
Pozzi, Giancarlo: *See—*
  Castiglioni, Achille; Zerbi, Ernesto; and Pozzi, Giancarlo, 4,827,543, Cl. 5-191.000.
Pozzi, Jacques: *See—*
  Suck, Catherine; Bret, Pierre; and Pozzi, Jacques, 4,809,888, Cl. 222-402.110.
Pozzi, Mauro: *See—*
  Appiano, Silvano; Chiarottino, Wolmer; Pozzi, Mauro; and Reali, Aldo, 4,800,423, Cl. 358-21.00R.
Pozzobon, Alessandre; and Gorza, Roberto, to Nordica S.p.A. Multiple-function operating device particularly for ski boots. 4,870,723, 10-3-89, Cl. 24-68.0SK.
Pozzobon, Alessandro; and Manfre, Pietro, to Nordica S.p.A. Winder safety device, particularly for ski boots. 4,796,829, 1-10-89, Cl. 242-100.000.
Pozzobon, Alessandro; and Gorza, Roberto, to Nordica S.p.A. Brake, particularly for the locking of tensioning elements provided in ski boots. 4,826,098, 5-2-89, Cl. 242-99.000.
Pozzobon, Alessandro, to Nordica S.p.A. Ski binding, particularly for cross-country skiing. 4,836,572, 6-6-89, Cl. 280-613.000.
PPG Industries, Inc.: *See—*
  Ambrose, Ronald R.; O'Dwyer, James B.; Johnston, Byron K.; Zielinski, David P.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,859,743, Cl. 525-443.000.
  Austin, Henry T., 4,879,013, Cl. 204-180.200.
  Basil, John D.; Lin, Chia-Cheng; and Hunia, Robert M., 4,799,963, Cl. 106-287.130.
  Bloss, Karl H.; Davis, James A.; and Neuman, George A., 4,857,361, Cl. 427-109.000.
  Boston, Russell E.; and Kapp, David C., 4,864,000, Cl. 525-143.000.
  Briody, Robert G.; and Manner, James A., 4,814,524, Cl. 570-201.000.
  Brown, Theresa S.; Parvin, Connie J.; Walters, Patricia B.; Rothe, Wolfram F.; and French, Radford, 4,810,583, Cl. 428-425.600.
  Burkholder, Mary J.; Piccirilli, Barbara G.; Anderson, Carl C.; and Temple, Rodger G., 4,855,164, Cl. 427-385.500.
  Chakrabarti, Paritosh M.; Crawford, Roger A.; and Juda, Robert H., 4,818,532, Cl. 424-150.000.
  Chambers, John E.; and Joye, John D., 4,810,268, Cl. 55-84.000.
  Chang, Wen H.; Prucnal, Paul J.; Peffer, John R.; Dufford, Edward L.; and Ambrose, Ronald R., 4,808,663, Cl. 525-100.000.
  Chasser, Anthony M.; and Makhlouf, Joseph M., 4,861,833, Cl. 525-122.000.
  Chou, Jason L.; and McCollum, Gregory J., 4,857,619, Cl. 526-249.000.
  Claar, James A.; Thomas, Stephen J.; and Kindle, Betty J., 4,798,746, Cl. 427-407.100.
  Coleman, Charles R.; and Rukavina, Thomas G., 4,857,407, Cl. 428-412.000.
  Connelly, Bruce A.; Wehrle, Matthew E.; and Greigger, Paul P., 4,879,345, Cl. 525-104.000.
  Dana, David E.; Davis, Richard A.; Hudson, Howard J.; and Morris, Steven J., 4,808,478, Cl. 428-391.000.
  Darlington, William B., 4,820,379, Cl. 162-5.000.
  Das, Suryya K.; Dowbenko, Rostyslaw; and Porter, Samuel, 4,801,653, Cl. 525-286.000.
  Das, Suryya K.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,818,796, Cl. 525-329.500.

Faler, Dennis L.; McCollum, Gregory J.; O'Dwyer, James B.; and Hartman, Marvis E., 4,833,177, Cl. 523-221.000.

Falleroni, Charlene A.; and Lin, Chia-Cheng, 4,824,712, Cl. 428-137.000.

Finley, James J., 4,806,220, Cl. 204-192.270.

Frank, Robert G.; and Moyer, Kathleen L., 4,865,919, Cl. 428-410.000.

Gaa, Peter C.; Hedden, Jerry C.; Motsinger, Donald L.; and Watkins, H. Kenyon, 4,810,576, Cl. 428-391.000.

Geary, Denise M.; Pettit, Paul H., Jr.; Kaufman, Marvin L.; and Vicha, Susan K., 4,801,680, Cl. 528-272.000.

Geary, Denise M.; Pettit, Paul H., Jr.; and Vicha, Susan K., 4,804,581, Cl. 428-332.000.

Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., 4,886,539, Cl. 65-135.000.

Gillery, F. Howard, 4,820,902, Cl. 219-203.000.

Gillery, F. Howard, 4,834,857, Cl. 204-192.270.

Gillery, Frank H., 4,806,221, Cl. 204-192.290.

Gillery, Frank H., 4,847,158, Cl. 428-433.000.

Gillery, Frank H., 4,861,669, Cl. 428-434.000.

Girgis, Mikhail M., 4,795,678, Cl. 428-391.000.

Hammel, Joseph J.; Robertson, Walter J.; Marshall, William P.; Barch, Herbert W.; Daas, Balbhadra; Smoot, Michael A.; and Beaver, Richard P., 4,842,620, Cl. 55-16.000.

Hammel, Joseph J., 4,853,001, Cl. 55-16.000.

Hartman, Marvis E., 4,888,205, Cl. 427-54.100.

Hayes, Deborah E.; Weissberg, Alan B.; Friedlander, Charles B.; and Ryan, Edward T., 4,880,668, Cl. 427-162.000.

Heithoff, Robert B.; and Groetzinger, John K., 4,836,775, Cl. 432-112.000.

Henery, Vern A., 4,853,257, Cl. 427-166.000.

Hodek, Robert B.; Meier, James A.; Jones, James E.; and Seiner, Jerome A., 4,807,419, Cl. 52-788.000.

Hughes, Gary N.; and Pecoraro, George A., 4,808,205, Cl. 65-135.000.

Hunt, Robin L., 4,795,783, Cl. 525-101.000.

Jensen, Thomas H., 4,824,457, Cl. 65-12.000.

Johnson, Harlan B.; Wiedrich, Charles R.; Allen, Ernie I.; and Howell, Peter P., 4,865,760, Cl. 252-187.280.

Jones, James V., 4,873,206, Cl. 501-71.000.

Juda, Robert H.; Chakrabarti, Paritosh M.; and Crawford, Roger A., 4,844,899, Cl. 424-664.000.

Kamarchik, Peter, Jr.; McCollum, Gregory J.; and Mauer, George W., 4,824,925, Cl. 528-45.000.

Kang, Hyung H., 4,876,152, Cl. 428-447.000.

Kania, Charles M.; and Porter, Samuel, Jr., 4,808,656, Cl. 524-512.000.

Karabin, Richard F.; Niederst, Ken W.; Sandala, Michael G.; and Coleridge, Edward R., 4,812,215, Cl. 204-181.700.

Karinen, Timothy J., 4,803,087, Cl. 426-73.000.

Kelly, Joseph B., 4,830,650, Cl. 65-106.000.

Kerr, Paul R.; Pettit, Paul H., Jr.; and Ewing, William S., 4,889,890, Cl. 525-113.000.

Kinney, Jerry N., 4,806,214, Cl. 204-98.000.

Kinney, Jerry N., 4,869,793, Cl. 204-98.000.

Kinney, Jerry N., 4,879,009 Cl. 204-98.000.

Klett, Michael W.; and Das, Balbhadra, 4,806,620, Cl. 528-244.000.

Knavish, Leonard A.; and Haskins, David R., 4,798,616, Cl. 65-135.000.

Koontz, Harry S.; and Wilson, James F., 4,805,070, Cl. 361-286.000.

Koontz, Harry S., 4,847,472, Cl. 219-543.000.

Korenkiewicz, Stephen M.; Olson, Kurt G.; Boberski, William G.; Das, Suryya K.; Greer, S. Thomas; and Zaleski, Raymond E., 4,844,952, Cl. 427-258.000.

Krivak, Sandra L.; Williams, William A., Jr.; Nehmsmann, Louis J.; and Sare, Edward J., 4,832,865, Cl. 252-174.210.

Krug, George C.; Beeler, Donald J.; Plank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., 4,806,140, Cl. 65-290.000.

Krumwiede, John F.; and Goode, Henry C., 4,818,265, Cl. 65-135.000.

Kunkle, Gerald E.; and Pecoraro, George A., 4,838,919, Cl. 65-18.100.'

Kwak, Won S.; and Chen, Chin-Wen, 4,816,584, Cl. 544-71.000.

Kwak, Won S., 4,831,142, Cl. 544-71.000.

Leatherman, Dennis D.; Rechlicz, Thomas; and Schwarz, Richard A., 4,877,679, Cl. 428-224.000.

Leathers, Amy Z.; and Greer, S. Thomas, 4,806,263, Cl. 252-106.000.

Lin, Chia-Cheng; and Rukavina, Thomas G., 4,839,454, Cl. 528-32.000.

Login, Robert B., 4,812,263, Cl. 260-404.50Q.

Makhlouf, Joseph M.; Chau, Michael M.; and Freid, James R., 4,812,508, Cl. 524-764.000.

Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,837,253, Cl. 523-443.000.

Mansell, J. Douglas; Jones, Laurence E.; Johnson, Harlan B.; Krivak, Thomas G.; and Carson, Dennis W., 4,849,297, Cl. 428-457.000.

Martz, Jonathan T.; O'Dwyer, James B.; Thomas, Stephen J.; and Claar, James A., 4,798,745, Cl. 427-407.100.

Maska, Rudolf, 4,873,281, Cl. 524-457.000.

Mauer, George W.; McCollum, Gregory J.; and Kamarchik, Peter, Jr., 4,846,946, Cl. 204-181.400.

McCollum, Gregory J.; and Zwack, Robert R., 4,810,535, Cl. 427-410.000.

McCollum, Gregory J.; Chou, Jason L.; Bodwell, James R.; and Das, Suryya K., 4,857,620, Cl. 526-255.000.

Mikus, John P.; Heber, Robert W.; Ward, Thomas A.; and Seiner, Jerome A., 4,808,476, Cl. 428-413.000.

Milam, Joseph E.; and Wimer, William E., 4,835,327, Cl. 570-208.000.

Mouly, Raymond J., 4,828,900, Cl. 428-192.000.

Mueller, Joseph T.; and Hornsey, William W., 4,831,491, Cl. 361-218.000.

Oates, Stephanie J., 4,829,136, Cl. 526-230.500.

O'Dwyer, James B.; Chang, Wen-Hsuan; Scriven, Roger L.; and Cherenko, Joseph, 4,824,926, Cl. 528-65.000.

Perez, Leon A.; Hartman, Marvis E.; and Suss, Naomi R., 4,822,685, Cl. 428-423.300.

Poole, James E.; and McKinley, Mildred L., 4,833,038, Cl. 428-457.000.

Poole, James E.; and Hartman, Marvis E., 4,880,849, Cl. 522-10.000.

Porter, Samuel, Jr.; Simpson, Dennis A.; and Blackburn, William P., 4,849,283, Cl. 428-323.000.

Postupack, Dennis S., 4,845,310, Cl. 174-35.00R.

Rau, Robert B.; and Wagner, Thomas C., 4,816,331, Cl. 428-294.000.

Rukavina, Thomas G.; and Lin, Chia-Cheng, 4,816,288, Cl. 427-387.000.

Sare, Edward J., 4,807,964, Cl. 350-96.340.

Schappert, Raymond F.; and Piccirilli, Robert M., 4,822,683, Cl. 428-414.000.

Schussler, Henry W.; and Wimer, W. Eugene, 4,814,528, Cl. 570-262.000.

Schwarz, Richard A.; Leigh, Thomas H.; and Leatherman, Dennis D., 4,833,172, Cl. 521-62.000.

Schwenninger, Ronald L., 4,819,859, Cl. 228-190.000.

Schwenninger, Ronald L., 4,824,462, Cl. 65-325.000.

Schwenninger, Ronald L.; Hanekamp, David A.; and Foster, Homer R., 4,849,004, Cl. 65-134.000.

Schwenninger, Ronald L., 4,874,313, Cl. 432-247.000.

Stas, Joseph D.; Frank, Robert G.; and Schwartz, James H., 4,804,397, Cl. 65-107.000.

Taylor, Ron D.; and Kuhns, David W., 4,844,954, Cl. 427-407.100.

Trager, Fred C.; Mansell, J. Douglas; and Wimer, W. Eugene, 4,818,513, Cl. 423-488.000.

Tsai, Yih-Wan; and Sensi, John E., 4,816,056, Cl. 65-135.000.

Welch, Cletus N., 4,880,667, Cl. 427-160.000.

Welton, Wright M., 4,794,860, Cl. 65-135.000.

Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased, 4,831,493, Cl. 361-286.000.

Worley, Shelby D., 4,874,532, Cl. 210-755.000.

Yoldas, Bulent E.; and Lin, Chia-Cheng, 4,814,017, Cl. 106-287.120.

Young, James; and Leatherman, Dennis D., 4,861,644, Cl. 428-195.000.

PPM, Inc.: *See—*

Shofner, Frederick M., 4,881,957, Cl. 55-97.000.

PQ Corporation: *See—*

Berg, Kenneth A., 4,797,294, Cl. 426-330.400.

Reifsnyder, Richard H.; Spencer, Robert W.; and Brennan, Robert A., 4,804,297, Cl. 405-222.000.

Praamsma, Michael: *See—*

Cooper, David; Wadhwani, Suresh K.; and Praamsma, Michael, 4,846,249, Cl. 160-345.000.

Prab Robots, Inc.: *See—*

Conway, Kevin, 4,805,949, Cl. 294-61.000.

Prabhakar, Rakesh; Benavides, A. Fernando; Nitescu, Petru; and Ebbing, Peter, to Applied Materials, Inc. Method of aligning wafers and device therefor. 4,813,840, 3-21-89, Cl. 414-433.000.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., to General Electric Company. Thick-film copper conductor inks. 4,808,770, 2-28-89, Cl. 174-68.500.

Prabhu, Ashok N.; Hang, Kenneth W.; and Boardman, Simon M., to General Electric Company. Thick film copper via-fill inks. 4,810,420, 3-7-89, Cl. 252-512.000.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., to General Electric Company. Thick film copper conductor inks. 4,816,615, 3-28-89, Cl. 174-68.500.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., to General Electric Company. Thick-film copper conductor inks. 4,874,550, 10-17-89, Cl. 252-512.000.

Prabhu, Ashok N.; Hang, Kenneth W.; and Conlon, Edward J., to General Electric Company. Thick film copper conductor inks. 4,880,567, 11-14-89, Cl. 252-512.000.

Prabhu, Ashok N.: *See—*

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,808,673, Cl. 524-413.000.

Hang, Kenneth W.; Prabhu, Ashok N.; and Anderson, Wayne M., 4,830,988, Cl. 501-21.000.

Hang, Kenneth W.; and Prabhu, Ashok N., 4,863,517, Cl. 106-20.000.

Prabhudass, Israel. Oral hygiene tool. 4,875,496, 10-24-89, Cl. 132-329.000.

Prada, Marco. *See—*

Brunetti, Brunetto; and Prada, Marco, 4,874,844, Cl. 530-331.000.

Prada-Silva, Guillermo; and Bhattacharya, Ajit K., to Texaco Inc. Base-modified metal oxide catalysts for the conversion of synthesis gas to alcohols. 4,824,869, 4-25-89, Cl. 518-714.000.

Prada-Silva, Guillermo; Patel, Jitendra A.; and Bhattacharya, Ajit K., to Texaco Inc. Catalyst treatment process. 4,886,772, 12-12-89, Cl. 502-200.000.

Prada-Silva, Guillermo: *See—*

Bhattacharya, Ajit K.; Bolmer, Michael S.; and Prada-Silva, Guillermo, 4,822,825, Cl. 518-714.000.

Pradel, Claude: *See—*

Vu, Quang D.; Pradel, Claude; Euzen, Jean-Paul; and Le Page, Jean-Francois, 4,820,495, Cl. 422-148.000.

Pradelle, Bernard, to Sories. Cheeking device, particularly for the hanging roof in mines, underground working points, or heading and similar. 4,871,214, 10-3-89, Cl. 299-69.000.

Prader, Randolph D.; and Benoit, Gordon L., to Mobil Oil Corporation. Thermoplastic bag and method of forming the same. 4,812,055, 3-14-89, Cl. 383-119.000.

Prader, Randolph D., to Mobil Oil Corporation. Apparatus for suspending bag packs of different geometry. 4,858,862, 8-22-89, Cl. 248-99.000.

Pradhan, Dhiraj K.: *See—*

Jarwala, Najmi T.; and Pradhan, Dhiraj K., 4,833,677, Cl. 371-21.000.

Pradipasena, Pasawadee: *See—*

Rha, ChoKyun; Pradipasena, Pasawadee; Nakamura, TetsuHisa; Easson Jr., Donald D.; and Sinskey, Anthony J., 4,851,393, Cl. 514-54.000.

Pradl, Ferdinand; Weise, Carlos; and Wegehaupt, Karl-Heinrich, to Wacker-Chemie GmbH. Organosilicon compounds and crosslinkable organopolysiloxane compositions containing the organosilicon compounds. 4,855,378, 8-8-89, Cl. 528-26.000.

Pradom Limited: *See—*

Berger, Michel, 4,857,244, Cl. 264-24.000.

Berger, Michel, 4,889,088, Cl. 123-188.00B.

Pradovic, Joseph A., to Millis Transfer, Inc. Movable bulkhead. 4,880,342, 11-14-89, Cl. 410-121.000.

Praefcke, Klaus; Kohne, Bernd; and Stephan, Werner, to Merck Patent Gesellschaft mit beschrankter Haftung. Hexasubstituted cyclohexane compounds. 4,877,220, 10-31-89, Cl. 252-299.610.

Prager, Bernhard C., to BIOCHEMIE Gesellschaft m.b.H. Method for preparing crystalline cephalosporin derivative. 4,826,972, 5-2-89, Cl. 540-225.000.

Prager, Lee: *See—*

Ide, Mason G.; Lawrence, Noel L. W.; and Prager, Lee, 4,876,436, Cl. 219-370.000.

Prager, Lee A.; and Ide, Mason, to GTE Products Corporation. PTC thermistor heating device. 4,797,534, 1-10-89, Cl. 219-326.000.

Prager, Lee A.; and Carbone, Douglas C., to GTE Products Corporation. Quick reset motor starting device. 4,823,064, 4-18-89, Cl. 318-783.000.

Prager, Lee A.; and Carbone, Douglas C., to GTE Products Corporation. Dual temperature hair curler utilizing a pair of PTC heaters. 4,841,127, 6-20-89, Cl. 219-225.000.

Prager, Lee A.: *See—*

Carbone, Douglas C.; and Prager, Lee A., 4,822,980, Cl. 219-315.000.

Prahauser, Georg; Huber, Paul, deceased; and Schiessl, Alois, legal representative, to Buck KG, Firma. Method and device for protection of targets against approaching projectiles, which projectiles are provided with infrared-sensitive target finders. 4,838,167, 6-13-89, Cl. 102-334.000.

Prais, Eugene R., to Kansai Special USA Corp. Thread trimmer system for in-line chain stitch sewing machine. 4,879,960, 11-14-89, Cl. 112-291.000.

Prakash, Amit: *See—*

Orjela, Gurdev; Assaad, Mahmoud C.; Beltz, David B.; and Prakash, Amit, 4,823,857, Cl. 152-540.000.

Prakash, Ravinder; and Wolfe, Larry L., to International Business Machines Corporation. Aspheric lens for polygon mirror tilt error correction and scan bow correction in an electrophotographic printer. 4,804,981, 2-14-89, Cl. 346-160.000.

Prakash, Ravinder; and Wolfe, Larry L., to International Business Machines Corporation. Scanner for use in multiple spot laser electrophotographic printer. 4,884,857, 12-5-89, Cl. 350-6.800.

Prakla-Seismos AG: *See—*

Marschall, Roland, 4,870,624. Cl. 367-15.000.

Pralle, Tod R. Farm planter and sprayer pump assembly. 4,864,878, 9-12-89, Cl. 74-15.600.

Pralus, Christian, to Atochem; and Oxysynthese. Process for the cyclic production of hydrogen peroxide. 4,803,063, 2-7-89, Cl. 423-588.000.

Pramanik, Mukunda B.: *See—*

Carnell, Brian L.; Fansler, John D.; and Pramanik, Mukunda B., 4,887,782, Cl. 244-234.000.

Prandi, Bernard: *See—*

Alheritiere, Edouard; and Prandi, Bernard, 4,854,977, Cl. 148-12.70B.

Alheritiere, Edouard; and Prandi, Bernard, 4,878,966, Cl. 148-421.000.

Dubertret, Alain; and Prandi, Bernard, 4,878,954, Cl. 148-11.50F.

Prang, Josef-Elmar: *See—*

Erdelitsch, Herbert; Machalitzky, Otto; and Prang, Josef-Elmar, 4,857,815, Cl. 318-443.000.

Prange, Charles J., to Sewer Rodding Equipment Company. Sewer cleaning equipment. 4,838,302, 6-13-89, Cl. 137-355.120.

Prange, Charles J., to Sewer Rodding Equipment Company. Automated sewer cleaning rodding machine. 4,839,936, 6-20-89, Cl. 15-104.330.

Prange, Charles J., to Sewer Rodding Equipment Co. High pressure hose pulsation attachment. 4,878,517, 11-7-89, Cl. 137-355.120.

Prange, Patrick E.: *See—*

Morganti, Victor M.; and Prange, Patrick E., 4,866,599, Cl. 364-200.000.

Prange, Rainer: *See—*

Chmiel, Max; and Prange, Rainer, 4,877,761, Cl. 501-109.000.

Prange, Wilfried: *See—*

Frings, Adam; and Prange, Wilfried, 4,827,100, Cl. 219-121.640.

Strum, Josep; and Prange, Wilfried, 4,872,940, Cl. 156-379.800.

Pranis, Robert A.: *See—*

Kao, Richard; Blocki, Frank A.; Pranis, Robert A.; and Mahoney, Walter C., 4,835,101, Cl. 435-28.000.

Prantl, Georg: *See—*

Link, Gerhard; Frohlich, Walter; Krumbock, Reinhard; Prantl, Georg; and Schaffelhofer, Iwo, 4,798,914, Cl. 570-226.000.

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  - Lea, Alan J. 4,831,567, Cl. 364-578.000.
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- Precor Incorporated: *See—*
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  - Rimmer, James R.; and Sweeney, Ronald M., 4,854,816, Cl. 414-790.300.
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  - Musacchio, John; Bergkuist, Carolyn; Manzoni, Angelo; and Premoli, Pietro, 4,870,024, Cl. 436-74.000.
- Premysl, Jaroslav. Bingo card marker. 4,878,669, 11-7-89, Cl. 273-148.00R.
- Prendel, Peter W.: *See—*
  - Elsner, Hans F. K.; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,841,102, Cl. 174-35.0GC.
  - Prott, Albert; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,825,015, Cl. 174-35.0GC.
- Prendergast, Gavan: *See—*
  - Carroll, Noel; and Prendergast, Gavan, 4,816,165, Cl. 210-708.000.
- Prendergast, Gavan J. J.; and Webb, David A., to Carroll, Noel. Analysis of multi-phase mixtures. 4,815,536, 3-28-89, Cl. 166-250.000.
- Prendergast, Gavan J. J.; and Webb, David A., to Carroll, Noel. Treatment of multiphase mixtures. 4,822,484, 4-18-89, Cl. 210-96.100.
- Prendergast, Gavan J. J., to Noel Carroll. Fluid flow apparatus. 4,822,551, 4-18-89, Cl. 264-275.000.
- Prendergast, Gavan J. J.: *See—*
  - Carroll, Noel; and Prendergast, Gavan J. J., 4,820,414, Cl. 210-512.100.
- Prenn, Otto E., to Stelco Inc. Process for upset forging of long stands of metal bar stock. 4,838,062, 6-13-89, Cl. 72-41.000.
- Prenner, Christian: *See—*
  - Chahabadi, Ziaedin; and Prenner, Christian, 4,797,874, Cl. 370-16.000.
- Prentice, Alan L.: *See—*
  - Allam, Rodney J.; and Prentice, Alan L., 4,842,625, Cl. 62-22.000.
  - Thorogood, Robert M.; Bennett, Douglas L.; Allam, Rodney J.; Prentice, Alan L.; and Dawson, Bruce K., 4,871,382, Cl. 62-18.000.
- Prentice, Charles H. Hidden belt weapon. 4,807,362, 2-28-89, Cl. 30-155.000.
- Prentice Hall, Inc.: *See—*
  - Pisciotti, Trudy; and Healy, Dennis, 4,883,381, Cl. 402-74.000.
- Prentice, Robert J., to Rockwell International Corporation. Missile air inlet cover retractor system. 4,874,145, 10-17-89, Cl. 244-53.00B.
- Prentice, Terry A.: *See—*
  - Broberg, Daniel M.; and Prentice, Terry A., 4,829,223, Cl. 320-2.000.
- Prentice, Thomas C., to Teledyne, Inc. Article positioner and method. 4,838,515, 6-13-89, Cl. 248-661.000.
- Prepolene Industries, Inc.: *See—*
  - Dorn, George K.; and Gilbert, Herbert A., 4,806,129, Cl. 44-56.000.
- Preputnick, George, to AMP Incorporated. Conduction cooled module connector system and method of making. 4,887,353, 12-19-89, Cl. 29-830.000.
- Presant, Stephen D., to Prime Computer, Inc. Multiple I/O bus virtual broadcast of programmed I/O instructions. 4,855,899, 8-8-89, Cl. 364-200.000.

Presbie, Edward W., to Combustion Engineering, Inc. Hydraulic clearance measurement system. 4,845,991, 7-11-89, Cl. 73-37.500.
Presby, Herman M., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for fabricating an expanded beam cylindrically terminated optical fiber taper. 4,820,321, 4-11-89, Cl. 65-2.000.
Prescher, Guenter: *See—*
  Boehme, Georg; Hofen, Willi; Grund, Andreas; Petsch, Heinrich; and Prescher, Guenter, 4,849,532, Cl. 549-525.000.
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  Haubrich, Gerhard; Prescher, Guenter; and Faller, Juergen, 4,861,902, Cl. 549-499.000.
  Schmidt, Manfred; Prescher, Guenter; Prescher, Gunter; and Kleemann, Axel, 4,845,252, Cl. 549-531.000.
Prescher, Gunter: *See—*
  Dankowski, Manfred; Lieser, Thomas; Prescher, Gunter; Leonhardt, Wolfgang; and Diehl, Manfred, 4,879,057, Cl. 252-99.000.
  Drauz, Karl-Heinz; Kleeman, Axel; Prescher, Gunter; and Ritter, Gebhard, 4,825,011, Cl. 568-771.000.
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  Siegmeier, Rainer; Prescher, Gunter; and Maurer, Helmut, 4,801,759, Cl. 568-833.000.
  Siegmeier, Rainer; Grund, Andreas; Prescher, Gunter; and Brandt, Udo, 4,851,556, Cl. 549-525.000.
Preschutti, Joseph P., to AMP Incorporated. Automatic level control system for broadband cable systems. 4,835,494, 5-30-89, Cl. 333-16.000.
Prescolite, Inc.: *See—*
  Counts, Richard; and Pritchett, Rob, 4,873,403, Cl. 200-330.000.
  Smalley, Robert F.; and Tobor, James, 4,843,366, Cl. 338-128.000.
  Tabor, Jim; and Counts, Richard, 4,803,586, Cl. 361-18.000.
  Wolfe, Denis, 4,835,667, Cl. 362-276.000.
Prescott, Anthony D.: *See—*
  Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., 4,800,884, Cl. 128-419.00R.
  Heide, Jorgen; Gooch, Timothy D.; Prescott, Anthony D.; and Bojrab, Dennis, 4,840,178, Cl. 128-419.00R.
Prescott, Clovis H. Baby chair of the type which hooks on a table edge 4,863,216, 9-5-89, Cl. 297-174.000.
Prescott Durrell & Company: *See—*
  Derby, Leslie B., III, 4,869,702, Cl. 446-329.000.
  Derby, Leslie B., III, 4,880,404, Cl. 446-329.000.
Prescott, Keith L.: *See—*
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Prescott, Paul I.; and Rice, C. Arlyn, to E.C.C. America Inc. Surface modified pigments and methods for producing same and elastomers containing same. 4,810,578, 3-7-89, Cl. 428-405.000.
Prescott, Robert D.: *See—*
  Brearley, Malcolm; Phillips, Mark I.; Prescott, Robert D.; and Ross, Colin F., 4,852,953, Cl. 303-111.000.
Present, David A.: *See—*
  Glowczewskie, Frank P., Jr.; and Present, David A., 4,844,259, Cl. 206-370.000.
President and Fellows of Harvard College: *See—*
  Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,853,219, Cl. 424-85.800.
  Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,879,222, Cl. 435-68.000.
  Alfenito, Mark R., 4,859,302, Cl. 204-182.800.
  Antoniades, Harry N.; Lynch, Samuel E.; and Williams, Ray C., 4,861,757, Cl. 514-21.000.
  Antoniades, Harry N.; and Lynch, Samuel E., 4,874,746, Cl. 514-21.000.
  Barrandon, Yann; and Green, Howard, 4,888,291, Cl. 435-240.241.
  Brent, Roger; and Ptashne, Mark S., 4,833,080, Cl. 435-172.300.
  Evans, David A.; and Sjogren, Eric B., 4,820,816, Cl. 540-205.000.
  Evans, David A.; and Sjogren, Eric B., 4,870,169, Cl. 540-229.000.
  Hobson, J. Allan; Mamelak, Adam; Helfand, Rita; and Lavie, Peretz, 4,836,219, Cl. 128-782.000.
  Jones, Alun G.; Davison, Alan; and Abrams, Michael J., 4,826,961, Cl. 534-14.000.
  Jones, Alun G.; Davison, Alan; Kronauge, James; and Abrams, Michael J., 4,872,561, Cl. 206-569.000.
  Kassis, Amin I.; and Baranowska-Kortylewicz, Janina, 4,851,520, Cl. 536-29.000.
  Koehler, Andreas M., 4,812,658, Cl. 250-396.00R.
  Kool, Lawrence B.; and Whitesides, George M., 4,845,181, Cl. 528-48.000.
  Mekalanos, John J., 4,882,278, Cl. 435-172.300.
  Milius, Richard A.; Lambrecht, Richard M.; and Bloomer, William D., 4,826,672, Cl. 424-1.100.
  Tabor, Stanley; and Richardson, Charles C., 4,795,699, Cl. 435-5.000.
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Preskitt, Charles: *See—*
  Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.
Preskitt, Stanley V.: *See—*
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Presle, Pierre: *See—*
  Raimondi, Tullio; Presle, Pierre; Galbiati, Leandro; and de Buibure, Stephane, 4,843,213, Cl. 219-159.000.
Presley, Donald C.: *See—*
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Presley, James R.: *See—*
  Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., 4,853,423, Cl. 523-428.000.
Presley, John M. Encompassing inflatable safety bumper system. 4,869,538, 9-26-89, Cl. 293-107.000.
Presley, Ronnie D., to Georgia-Pacific Corporation. Paper conversion plant waste treatment process. 4,816,164, 3-28-89, Cl. 210-710.000.
Preslicka, Alan J.; Martinez, Guillermo, Jr.; and Sommerio, James, to Maremont Corporation. Spring guard for a vehicle suspension strut. 4,822,072, 4-18-89, Cl. 280-668.000.
Preslik, Theresa D.; and Sasamura, Ross, to Paccar Inc. Aerodynamically streamlined step assembly for a truck. 4,836,568, 6-6-89, Cl. 280-164.100.
Presnall, Stewart H., to Phillips Petroleum Company. Manufacture of disulfides. 4,868,336, 9-19-89, Cl. 568-25.000.
Preso Industries: *See—*
  Taha, Sami H., 4,823,615, Cl. 73-861.660.
Press, Irving D.; and Rink, Helm A., to Unidynamics Corporation. Fail-safe bellows assembly with floating guard. 4,819,965, 4-11-89, Cl. 285-14.000.
Press, Irving D., to Unidynamics Corporation. Fail-safe bellows assembly. 4,854,611, 8-8-89, Cl. 285-3.000.
Press, Jeffery B.; and Russell, Ronald K., to Ortho Pharmaceutical Corporation. Thieno- and furopyrimidine-2,4-dione piperidine derivatives as serotonin antagonists and alpha adrenergic blocking agents. 4,835,157, 5-30-89, Cl. 514-258.000.
Press, Jeffery B.; and Sanfilippo, Pauline, to Ortho Pharmaceutical Corporation. 2-aryloxyalkylaminobenzoxazoles and 2-aryloxyalkylaminobenzothiazoles. 4,861,897, 8-29-89, Cl. 548-217.000.
Press, Jeffery B., to Ortho Pharmaceutical Corporation. 2- or 3-aryl substituted imidazo(1,2-A)pyridines and their use as antisecretory agents. 4,871,745, 10-3-89, Cl. 514-300.000.
Press, Jeffery B.; and Urbanski, Maud, to Ortho Pharmaceutical Corporation. Phenyl and benzoyl substituted imidazo-fused heterocyclic calcium channel blockers. 4,880,824, 11-14-89, Cl. 514-368.000.
Press, Jeffery B.; and Hajos, Zoltan, to Ortho Pharmaceutical Corporation. 4-substituted pyrazolo[3,4-D]pyrimidine derivatives. 4,885,300, 12-5-89, Cl. 514-258.000.
Press, Jeffery B.: *See—*
  Bandurco, Victor T.; Mallory, Robert A.; and Press, Jeffery B., 4,804,756, Cl. 544-284.000.
  Falotico, Robert; Kanojia, Ramesh M.; Press, Jeffery B.; and Tobia, Alfonso J., 4,822,800, Cl. 514-309.000.
  Hajos, Zoltan G.; Kanojia, Ramesh M.; and Press, Jeffery B., 4,876,257, Cl. 514-253.000.
  Kanojia, Ramesh M.; Lever, O William, Jr.; and Press, Jeffery B., 4,880,817, Cl. 514-309.000.
Press, Jeffrey B., to Ortho Pharmaceutical Corporation. 2- or 3-aryl substituted imidazo[1,2-a]pyridines. 4,833,149, 5-23-89, Cl. 514-300.000.
Press Ready Plate, Inc.: *See—*
  Brown, Anthony J., 4,846,059, Cl. 101-216.000.
  Brown, Anthony J., 4,846,063, Cl. 101-415.100.
Press, Reuben F. Portable saw with movable warning. 4,811,488, 3-14-89, Cl. 30-391.000.
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  Tuckwood, Denis W., 4,854,883,, Cl. 439-84.000.
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Pressers International Products Inc.: *See—*
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Pressesky, Jason L.: *See—*
  Fisher, Robert D.; and Pressesky, Jason L., 4,847,558, Cl. 324-212.000.
Pressiat, Robert: *See—*
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Pressley, Allan H.; and Zick, David L.,, to Instrument Specialties Co., Inc. Electrical connector for printed circuit board. 4,869,671, 9-26-89, Cl. 439-55.000.
Pressnall, Dale W.; Keller, Michael R.,; and Schwartz, Robert E., to John Zink Company. Apparatus for handling ash. 4,798,150, 1-17-89, Cl. 110-171.000.

Pressteel, Inc.: *See—*
  Kuzara, George P., Jr., 4,829,727, Cl. 52-127.200.
Pressure Products Company, Inc.: *See—*
  Foster, Robert J., 4,807,474, Cl. 73-331.000.
Presswood, J. Kenneth, to Ethyl Corporation. Pistons with wear resistant solid film lubricant coatings. 4,831,977, 5-23-89, Cl. 123-193.00P.
Presswood, J. Kenneth; and O'Quinn, Alethea H., to Ethyl Corporation. Method of coating carbon bodies. 4,879,182, 11-7-89, Cl. 428-408.000.
Prest, David W.; and Yorke, William J., to Imperial Chemical Industries PLC. Chemical foaming of emulsion explosive compositions. 4,875,951, 10-24-89, Cl. 149-109.600.
Prest, Kenneth W., Jr. System for indexing textual material. 4,832,374, 5-23-89, Cl. 283-38.000.
Prestenbach, Perry J. Marsh craft track adapter. 4,817,554, 4-4-89, Cl. 114-270.000.
Prestidge, Gary R., Sr. Removable flexible pipe insulation. 4,807,669, 2-28-89, Cl. 138-178.000.
Presto Industries, Inc.: *See—*
  Hedrington, James A., 4,884,755, Cl. 241-37.500.
Presto Lock, Inc.: *See—*
  Scelba, Stephen S., 4,854,139, Cl. 70-68.000.
  Scelba, Stephen S.; and Feinberg, Martin R., 4,856,306, Cl. 70-68.000.
Presto Products, Incorporated: *See—*
  Buchman, James E., 4,881,931, Cl. 493-192.000.
Prestolite Electric Incorporated: *See—*
  Silvaggio, Joseph A.; Dieroff, Gerhard H.; and Bryant, James H., 4,816,710, Cl. 310-194.000.
Prestolite Wire Corporation: *See—*
  Powers, Charles W.; and Plouffe, E. J., 4,846,736, Cl. 439-738.000.
  Sturdevan, Ronald P.; and Pickelhaupt, Alexander J., 4,797,115, Cl. 439-125.000.
  Sturdevan, Ronald P., 4,810,198, Cl. 439-125.000.
  Sturdevan, Ronald P., 4,824,385, Cl. 439-128.000.
  Sturdevan, Ronald P., 4,884,977, Cl. 439-125.000.
Preston, Barry W.: *See—*
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Preston, Clyde N. Combination tubing cutter and releasing overshot. 4,883,118, 11-28-89, Cl. 166-55.300.
Preston, David M.: *See—*
  Winckler, Peter S.; and Preston, David M., 4,830,128, Cl. 180-140.000.
Preston, Frank J., to Ex-Cell-O Corporation. Plastisol slush process. 4,874,565, 10-17-89, Cl. 264-37.000.
Preston, Frank J.: *See—*
  Rhodes, Richard D., Jr.; and Preston, Frank J., 4,806,094, Cl. 425-543.000.
Preston, Gary N. Method and apparatus for welding a new stud on to the end of a broken off stud and new stud. 4,871,895, 10-3-89, Cl. 219-99.000.
Preston, Howard J. Zoom motor control. 4,862,046, 8-29-89, Cl. 318-467.000.
Preston, John C. Scaffolding module and method erecting same. 4,858,726, 8-22-89, Cl. 182-152.000.
Preston, Joseph R.: *See—*
  McGinniss, Vincent D.; and Preston, Joseph R., 4,877,988, Cl. 310-306.000.
Preston, Keith, to British Telecommunications Public Limited Company. Optical component mounting. 4,798,439, 1-17-89, Cl. 350-96.200.
Preston, Norman R. Toilet tank fill valve. 4,821,766, 4-18-89, Cl. 137-421.000.
Preston, Peter: *See—*
  Shepard, Richard W.; Corban, Earle; and Preston, Peter, 4,881,830, Cl. 384-577.000.
Preston, Suprenant & Company, Inc.: *See—*
  Schaltegger, Herbert E., 4,848,479, Cl. 177-145.000.
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  Mills, Gary N.; Peterson, Bruce A.; and Preston, William G., Jr., 4,821,769, Cl. 137-554.000.
Prestridge, Floyd L.: *See—*
  Sublette, Kerry L.; and Prestridge, Floyd L., 4,804,453, Cl. 204-302.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., to United Technologies Corporation. Heat transfer enhancing device. 4,815,531, 3-28-89, Cl. 165-151.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., to United Technologies Corporation. Airfoil-shaped body. 4,830,315, 5-16-89, Cl. 244-200.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., to United Technologies Corporation. Fluid dynamic pump. 4,835,961, 6-6-89, Cl. 60-264.000.
Presz, Walter M., Jr.: *See—*
  Paterson, Robert W.; Werle, Michael J.; and Presz, Walter M., Jr., 4,813,635, Cl. 244-130.000.
  Werle, Michael J.; Presz, Walter M., Jr.; and Paterson, Robert W., 4,813,633, Cl. 244-130.000.
Pretchel, David A.; Venaleck, Howard J.; and Venaleck, John T. Two pin shunt and molding method. 4,795,602, 1-3-89, Cl. 264-272.150.
Pretchel, David A.: *See—*
  Cloud, Randy G.; and Pretchel, David A., 4,869,684, Cl. 439-402.000.
Preti, Franco: *See—*
  Pozzetti, Vittorio; Poggi, Piergiovanni; and Preti, Franco, 4,858,557, Cl. 118-725.000.
Preti, George: *See—*
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Preti, Gerard. Method of making a piece of furniture. 4,858,291, 8-22-89, Cl. 29-91.100.
Pretoria Auto Frictions (Proprietary) Limited: *See—*
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Pretty, Alastair J.: *See—*
  Hardy, Frederick E.; Cselik, Frank; Pretty, Alastair J.; Young, Kenneth; and Scott, Gerald, 4,853,143, Cl. 252-102.000.
Preukschat, Alfred: *See—*
  Knecht, Heinz; and Preukschat, Alfred, 4,850,460, Cl. 188-299.000.
Preus, Herman A.: *See—*
  Krueger, Clyde A.; Krueger, Katharine C.; and Preus, Herman A., 4,796,378, Cl. 43-43.200.
Preuschoff, Ulf: *See—*
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Preusker, Rosel; and Preusker, Werner, to Confon AG. Adaptor for screwheads and the like. 4,884,933, 12-5-89, Cl. 411-177.000.
Preusker, Werner: *See—*
  Ippen, Heiko; and Preusker, Werner, 4,854,359, Cl. 152-216.000.
  Preusker, Rosel; and Preusker, Werner, 4,884,933, Cl. 411-177.000.
Preuss, Donald R.: *See—*
  Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Preuss, Donald R., 4,812,385, Cl. 430-290.000.
Preuss, Ernest A., to Allied-Signal Inc. Open finder. 4,812,752, 3-14-89, Cl. 324-542.000.
Preuss, Herbert. Napped fiber brush for cleaning textile fabrics. 4,850,073, 7-25-89, Cl. 15-159.00A.
Preuss, Ingo: *See—*
  Fichlseder, Martin; and Preuss, Ingo, 4,880,587, Cl. 264-154.000.
Preussag AG Erdol und Erdgas: *See—*
  Voigts, Eckhard; Achilles, Hans H.; Haussler, Adolf; and Peschel, Eberhard, 4,862,973, Cl. 175-52.000.
Preussler, Udo: *See—*
  Stoll, Kurt; Fakner, Emil; and Preussler, Udo, 4,862,912, Cl. 137-484.200.
Prevedel, Kurt; Wunsche, Peter; and Oberth, Hans, to AVL Gesellschaft fur Verbrennungskraftmaschinen und Messtechnik m.b.H. Prof.Dr.Dr.h.c. Hans List. Internal combustion, reciprocating piston engine. 4,813,387, 3-21-89, Cl. 123-73.00B.
Prevent Products, Inc.: *See—*
  Garcia, Mario C., 4,875,476, Cl. 128-157.000.
Preves, David A., to Argosy Electronics. Analog volume control circuit. 4,888,810, 12-19-89, Cl. 381-109.000.
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  Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.; Lasperas, Monique; and Rousset, Alain, 4,851,576, Cl. 564-126.000.
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  Harpell, G. A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,883,700, Cl. 428-113.000.
  Harpell, Gary A.; Li, H. L.; Kwon, Y. D.; and Prevorsek, D. C., 4,820,568, Cl. 428-113.000.
Prevorsek, Dusan C.: *See—*
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  Das, Sajal; and Prevorsek, Dusan C., 4,851,279, Cl. 428-224.000.
  Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., 4,819,458, Cl. 66-202.000.
  Kavesh, Sheldon; Prevorsek, Dusan C.; and Harpell, Gary A., 4,876,774, Cl. 28-166.000.
  Kwon, Young D.; Kavesh, Sheldon; and Prevorsek, Dusan C., 4,883,628, Cl. 264-178.00F.
  Schmitt, George J.; Prevorsek, Dusan C.; Chin, Hong B.; and Lem, Kwok W., 4,845,162, Cl. 525-423.000.
Prevost, Claude; and Le Bourhis, Gerard, to Aerospatiale Societe Nationale Industrielle. Integrated bistable electronic commutator with a low voltage drop. 4,801,821, 1-31-89, Cl. 307-311.000.
Prevost, David L.: *See—*
  Arkell, Nigel J.; Sartor, Brian G.; and Prevost, David L., 4,838,451, Cl. 220-401.000.
Prevost, John C.: *See—*
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Prevost, Marc: *See—*
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Prevost, Michael T.: *See—*
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Prevost, Michele: *See—*
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Prevosto, Gianfranco, to Taer S.r.l. Perfected portable motor-driven compressor set. 4,834,626, 5-30-89, Cl. 417-415.000.
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  - McFarlin, David J.; Caruolo, Antonio B.; Minford, Eric; and Prewo, Karl M., 4,870,827, Cl. 62-6.000.
- Prey, Gerhard, to Siemens Aktiengesellschaft. Telephone switch center with control of individual devices. 4,837,810, 6-6-89, Cl. 379-242.000.
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  - Picone, Joseph; and Prezas, Dimitrios, 4,879,748, Cl. 381-49.000.
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  - Bronson, Edward C.; Hartwell, Walter T.; Kleijn, Willem B.; and Prezas, Dimitrios P., 4,797,926, Cl. 381-36.000.
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  - Mezger, Mark; Strauss, Bernard; Moy, Sam M.; and Prezelski, Joseph L., 4,842,659, Cl. 149-19.200.
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- Priam Corporation: *See*—
  - Castagna, Joseph T.; and Cardona, Joseph C., 4,833,667, Cl. 369-263.000.
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  - Edwards, Robert B.; Dalrymple, Bruce H.; Long, Lawrence H.; Meisner, Paul; Bacon, Forrest C.; Pribbernow, Dale E.; and Warner, William L., 4,821,820, Cl. 177-25.180.
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  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
- Price, Anthony G.; Campbell, Roy; and Henson, Eric, to Lucas Industries, Ltd. Self-energizing disc brakes. 4,796,730, 1-10-89, Cl. 188-71.600.
- Price, Anthony G.; and Campbell, Roy, to Lucas Industries public limited company. Hydraulic piston and cylinder assemblies. 4,809,588, 3-7-89, Cl. 92-23.000.
- Price, Anthony G., to Lucas Industries public limited company. Dual-circuit master cylinder with solenoid opened reservoir valve. 4,852,351, 8-1-89, Cl. 60-545.000.
- Price, Anthony G.: *See*—
  - Campbell, Roy; Green, Andrew P.; Price, Anthony G.; and Parry, David, 4,862,998, Cl. 188-71.600.
  - Campbell, Roy; Price, Anthony G.; and Green, Andrew P., 4,865,168, Cl. 188-264.00P.
  - Campbell, Roy; Price, Anthony G.; and Green, Andrew P., 4,883,149, Cl. 188-264.00E.
  - Campbell, Roy; and Price, Anthony G., 4,884,494, Cl. 92-129.000.
- Price, Barry J.: *See*—
  - Coates, Ian H.; Bradshaw, John; Bell, James A.; Humber, David C.; Ewan, George B.; Mitchell, William L.; and Price, Barry J., 4,859,662, Cl. 514-212.000.
- Price, Barry L.: *See*—
  - Jones, Gregory E.; and Price, Barry L., 4,852,046, Cl. 364-184.000.
- Price, Chester. Weed puller. 4,822,088, 4-18-89, Cl. 294-50.700.
- Price, Daniel R., to White Consolidated Industries, Inc. Retractable self-leveling leg assembly. 4,801,114, 1-31-89, Cl. 248-188.300.
- Price, Edgar E.: *See*—
  - Herloski, Robert P.; Seachman, Ned J.; and Price, Edgar E., 4,863,251, Cl. 350-471.000.
- Price, Edison A., to Edison Price Incorporated. Swivel device for mounting a spotlight. 4,814,955, 3-21-89, Cl. 362-275.000.
- Price, Gail L.: *See*—
  - Zwarun, Andrew A.; and Price, Gail L., 4,880,466, Cl. 106-21.000.
- Price, George T., III. Flashlight with switch assembly. 4,843,526, 6-27-89, Cl. 362-187.000.
- Price, George T., III. Flashlight switch with spare bulb carrier. 4,881,158, 11-14-89, Cl. 362-207.000.
- Price, Glen E.; Reinecke, Marvin E.; and Hilderbrand, James N., to Applied Automation, Inc. Piston biasing means. 4,795,130, 1-3-89, Cl. 251-62.000.
- Price, Herbert B., to Spencer Wright Industries, Inc. Dual needle controlled needle tufting machine. 4,815,402, 3-28-89, Cl. 112-80.440.
- Price, J. B.; Reed, Edwin E.; and Rutledge, James L., to Motorola, Inc. Plasma enhanced thermal treatment apparatus. 4,870,245, 9-26-89, Cl. 219-121.360.
- Price, J. B.: *See*—
  - Shekerjian, Brian H.; and Price, J. B., 4,861,563, Cl. 422-186.050.
- Price, James H.: *See*—
  - Paul, Patrick R. D.; Price, James H.; and Olshansky, Kenneth, 4,796,948, Cl. 297-284.000.
- Price, James M.: *See*—
  - Lynde, Gerald D.; and Price, James M., 4,887,668, Cl. 166-55.100.
- Price, James O.; Stewart, Albert J.; and Hastelbrack, Sally A., to Heath Tecna Aerospace, Co. Low heat output composite. 4,880,681, 11-14-89, Cl. 428-116.000.
- Price, Joe B.: *See*—
  - Lewis, Jeffrey M. O.; and Price, Joe B., 4,873,390, Cl. 585-638.000.
- Price, John F.: *See*—
  - Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Ault, RaeAnn M.; and Price, John F., 4,797,180, Cl. 204-1.00T.
  - Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Ault, RaeAnn M.; and Price, John F., 4,859,305, Cl. 204-412.000.
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  - Fey, Kenneth C.; and Price, John G., 4,846,886, Cl. 106-2.000.
  - Fey, Kenneth C.; Freiberg, Alan L.; and Price, John G., 4,874,431, Cl. 106-2.000.
- Price, John T.; and Kruse, Jurgen M. Magnetically controllable couplings containing ferrafluids. 4,849,120, 7-18-89, Cl. 252-62.520.
- Price, John W.; and Brady, John F., III, to Mileage Validator, Inc. Odometer data computing apparatus. 4,875,167, 10-17-89, Cl. 364-424.040.
- Price, Joseph; and Scheinberg, Martin, to Arde, Inc. Fluid storage and expulsion system. 4,826,045, 5-2-89, Cl. 222-95.000.
- Price, Judith E., to Beatrice/Hunt-Wesson, Inc. Pourable shortening and process for its preparation. 4,889,740, 12-26-89, Cl. 426-606.000.
- Price, Kent S., Jr.: *See*—
  - Garvey, Margaret M.; and Price, Kent S., Jr., 4,844,015, Cl. 119-4.000.
- Price, Kevin S.: *See*—
  - Price, Ronald N.; and Price, Kevin S., 4,850,115, Cl. 33-528.000.
- Price, Leroy R.: *See*—
  - Toker, Nazmi; and Price, Leroy R., 4,871,402, Cl. 148-113.000.
- Price, Macy J.; Accumanno, Mario B.; and Starkey, Daniel C., to Engineered Data Products, Inc. Vertical and pivotal adjusting apparatus for drafting tables. 4,807,836, 2-28-89, Cl. 248-123.100.
- Price, Macy J.: *See*—
  - Accumanno, Mario B.; Ball, Laurence G.; and Price, Macy J., 4,815,795, Cl. 312-12.000.
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  - Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G. 4,844,564, Cl. 312-12.000.
  - Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., 4,846,355, Cl. 211-41.000.
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- Price, Macy J., Sr.; Price, Macy J., Jr.; and Ball, Laurence G., to Engineered Data Products, Inc. Holder for tape cartridges with locking base member. 4,846,355, 7-11-89, Cl. 211-41.000.
- Price, Marianne O.: *See*—
  - Jackson, John E.; Meyerhoff, Robert W.; Price, Marianne O.; and Quets, Jean M., 4,826,734, Cl. 428-472.000.
- Price, Maya, to Ein Dor Kibbutz Hashomer Hatzair L'Hityashvut Shitufit Beeravon Mugbal. Glove puppet and a kit for a puppet show. 4,808,139, 2-28-89, Cl. 446-75.000.
- Price, Norman W.; and Chantler, Ian D., to British Aerospace Public Limited Company. Heated windows. 4,845,344, 7-4-89, Cl. 219-547.000.
- Price Pfister, Inc.: *See*—
  - Gonzalez, Teodoro J., 4,801,094, Cl. 239-553.300.
  - Gonzalez, Teodoro J., 4,850,539, Cl. 239-558.000.
- Price, Richard C. Method and apparatus for utilizing waste heat in a combustion system. 4,830,093, 5-16-89, Cl. 165-1.000.
- Price, Robert A., to G-P Manufacturing Co., Inc. Custom molded vehicle splash guard and template package therefor. 4,877,268, 10-31-89, Cl. 280-851.000.
- Price, Robert D., to Nabisco Brands, Inc. Method and apparatus for continuously monitoring the moisture content of a material. 4,864,850, 9-12-89, Cl. 73-73.000.

- Price, Robert J.; Gee, James E.; Tonsor, Andrew J.; Satzler, Ronald L.; and Stevens, Samuel B., to Caterpillar Inc. Suspension structure for a tracked vehicle. 4,838,373, 6-13-89, Cl. 180-9.460.
- Price, Ronald: *See*—
  - Schnur, Joel M.; Price, Ronald; Yager, Paul; Schoen, Paul; Georger, Jacque H.; and Singh, Alok, 4,877,501, Cl. 204-157.640.
- Price, Ronald L.: *See*—
  - Paul, Winfried G.; Price, Ronald L.; and Krishnan, Sivaram, 4,880,864, Cl. 524-404.000.
  - Witman, Mark W.; Krishnan, Sivaram; Siebourg, Wolfgang; and Price, Ronald L., 4,828,921, Cl. 428-412.000.
- Price, Ronald N.; and Price, Kevin S., to FBN Enterprises. Tool for positioning electrical outlet and junction boxes. 4,850,115, 7-25-89, Cl. 33-528.000.
- Price, Stanley J., Jr. Roof bolt apparatus. 4,848,971, 7-18-89, Cl. 405-259.000.
- Price, Timothy J.; and Smith, Royston R., to Lever Brothers Company. Detergent compositions containing calcium pyrophosphate as an antideposition agent. 4,888,123, 12-19-89, Cl. 252-135.000.
- Price, Walter F., Jr.: *See*—
  - Chikuma, Tom K.; Jones, Rick O.; Nelson, William H.; and Price, Walter F., Jr., 4,846,589, Cl. 344-50.000.
- Price, William F.: *See*—
  - Oestreich, Gerald F., Jr.; and Price, William F., 4,809,851, Cl. 206-599.000.
- Price, William H.: *See*—
  - Jackson, Thomas N.; Murakami, Masanori; Price, William H.; Tiwari, Sandip; Woodall, Jerry M.; and Wright, Steven L., 4,849,802, Cl. 357-71.000.
  - Murakami, Masanori; and Price, William H., 4,796,082, Cl. 357-71.000.
- Price, Zane A.; and Bentley, Douglas P. Invisible tie tail holder. 4,839,945, 6-20-89, Cl. 24-49.00R.
- Priceman, Seymour, to Barson Corporation. Refractory metal composite coated article. 4,889,776, 12-26-89, Cl. 428-629.000.
- Pricer, Wilbur D., to International Business Machines Corporation. Non-inverting repeater circuit for use in semiconductor circuit interconnections. 4,816,773, 3-28-89, Cl. 330-267.000.
- Pricer, Wilbur D.; and Wiedman, Francis W., to International Business Machines Corporation. BiMos input circuit. 4,857,766, 8-15-89, Cl. 307-446.000.
- Prichard, Richard M. H., to Vetco Gray Inc. Subsea multiway hydraulic connector. 4,796,922, 1-10-89, Cl. 285-26.000.
- Prickett, Kathryn S.: *See*—
  - Hopp, Thomas P.; and Prickett, Kathryn S., 4,851,341, Cl. 435-68.000.
- Priddy, Duane B., to Dow Chemical Company, The. Polyolefin/-polycarbonate/polyolefin triblock copolymers. 4,806,599, 2-21-89, Cl. 525-146.000.
- Priddy, Duane B.; and Schroeder, John R., to Dow Chemical Company, The. Polymer blends. 4,812,514, 3-14-89, Cl. 525-67.000.
- Priddy, Duane B.; and Letton, Alan, to Dow Chemical Company, The. Polyether-polycarbonate-polyether triblock copolymers. 4,812,530, 3-14-89, Cl. 525-409.000.
- Priddy, Duane B.; and Pirc, Michael, to Dow Chemical Company, The. Process for anionic polymerization in a continuous stirred tank reactor. 4,859,748, 8-22-89, Cl. 526-88.000.
- Pride, Joseph P., III: *See*—
  - Friedman, Joseph S.; King, John P.; and Pride, Joseph P., III, 4,888,593, Cl. 342-387.000.
- Pride Software Development Corp.: *See*—
  - Wolfe, Everett W., 4,796,220, Cl. 364-900.000.
- Pridgen, Evans H.: *See*—
  - Berger, Jean P.; Pridgen, Evans H.; and Owens, Alfred W., 4,796,560, Cl. 118-211.000.
- Pridgen, Lendon N.: *See*—
  - Bender, Paul E.; Lantos, Ivan; McGuire, Michael A.; Pridgen, Lendon N.; and Winicov, Herbert B., 4,803,279, Cl. 546-271.000.
- Priebe, Durward H.: *See*—
  - Kohle, Michael R.; and Priebe, Durward H., 4,881,320, Cl. 29-841.000.
- Priebe, Paul D. Airfoil sailing system. 4,848,258, 7-18-89, Cl. 114-103.000.
- Priebe, Stanley R. Portable electrical adapter. 4,864,269, 9-5-89, Cl. 337-113.000.
- Priebe, Waldemar: *See*—
  - Horton, Derek; and Priebe, Waldemar, 4,870,058, Cl. 514-34.000.
  - Perez-Soler, Roman; Priebe, Waldemar; and Lopez-Berestein, Gabriel, 4,863,739, Cl. 424-450.000.
- Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., to Atlantic Richfield Company. Combustion method and apparatus. 4,829,913, 5-16-89, Cl. 110-346.000.
- Priebe, William F.; Milliken, Brad R.; and Braaten, Dennis A., to Atlantic Richfield Company. Combustion method and apparatus. 4,858,537, 8-22-89, Cl. 110-243.000.
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  - Priefert, Marvin J.; and Prifert, William D., 4,858,417, Cl. 56-6.000.
- Priefert, Marvin J.; and Prifert, William D., to Priefert Mfg. Co., Inc. Mower with adjustable extension wings. 4,858,417, 8-22-89, Cl. 56-6.000.
- Priegnitz, James W.: *See*—
  - Kulprathipanja, Santi; Oroskar, Anil R.; and Priegnitz, James W., 4,851,573, Cl. 562-580.000.
- Priem, Barry L., to General Motors Corporation. Mold cavity gas removal system with valve position sensor. 4,836,272, 6-6-89, Cl. 164-457.000.
- Priem, Barry L., to General Motors Corporation. Mold cavity gas removal system with gas flow indicator. 4,838,338, 6-13-89, Cl. 164-113.000.
- Priem, Jan J.: *See*—
  - Timmerman, Daniel M.; Priem, Jan J.; and Janssens, Wilhelmus, 4,861,818, Cl. 524-460.000.
- Prien, Walter F.; Meece, Meredith W.; and Bolthouse, John H., II, to TI Pneumotive, Inc. Oscillating cylinder pumping arrangement. 4,822,254, 4-18-89, Cl. 417-368.000.
- Prier, David A. Heat generating tourniquet for venipuncture applications. 4,834,802, 5-30-89, Cl. 128-327.000.
- Pries, Werner: *See*—
  - McLeod, Robert; Card, Howard; Hortensius, Peter; and Pries, Werner, 4,860,236, Cl. 364-717.000.
- Priesemuth, Wolfgang. Arrangement of work locations. 4,807,540, 2-28-89, Cl. 108-60.000.
- Prieser, Gunter: *See*—
  - Dinkel, Emil; Mann, Bernd; Prieser, Gunter; and Schneyer, Gerhard, 4,799,403, Cl. 74-788.000.
- Priesnitz, Uwe: *See*—
  - Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
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  - Fuchs, Rainer; Maurer, Fritz; Priesnitz, Uwe; Riebel, Hans-Jochem; and Klauke, Erich, 4,845,249, Cl. 549-455.000.
- Priessner, Hilmar: *See*—
  - Durrer, Rudolph; Priessner, Hilmar; and Bach, Eric, 4,802,585, Cl. 206-449.000.
- Priest, Christopher C. A.: *See*—
  - Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
- Priest, D-Eon. Drinking water sending and dispensing system. 4,830,223, 5-16-89, Cl. 222-146.600.
- Priest, Mark A. Method of introducing a radioactive substance into a well. 4,864,128, 9-5-89, Cl. 250-260.000.
- Priest, Mark A., to Halliburton Company. Closed feedback injection system for radioactive materials using a high pressure radioactive slurry injector. 4,877,956, 10-31-89, Cl. 250-259.000.
- Priest, William L.: *See*—
  - Compeau, David E.; and Priest, William L., 4,869,537, Cl. 292-341.180.
- Priester, Ralph D., Jr.; Peffley, Richard D.; and Herrington, Ronald M., to Dow Chemical Company, The. Flexible polyurea or polyurea-polyurethane foams prepared from high equivalent weight amine-terminated compounds. 4,845,133, 7-4-89, Cl. 521-167.000.
- Priestley, Joseph B. Filtration system with apparatus for altering the temperature of particles. 4,863,703, 9-5-89, Cl. 422-198.000.
- Priestley, Joseph B., Jr. Filtration system with apparatus for altering the arrangement of electrons in particles. 4,830,638, 5-16-89, Cl. 55-122.000.
- Priestman, Geoffrey H.: *See*—
  - Tippetts, John R.; and Priestman, Geoffrey H., 4,852,613, Cl. 137-805.000.
- Prieto, Martin A.: *See*—
  - Rakitsky, Walter G.; and Prieto, Martin A., 4,810,259, Cl. 44-51.000.
- Prieto Soto, Jose M.: *See*—
  - Vega-Noverola, Armando; Prieto Soto, Jose M.; Noguera, Fernando P.; Mauri, Jacinto M.; and Spickett, Robert G. W., 4,877,780, Cl. 514-161.000.
- Prietzel, Gunter; Sprenger, Georg; and Kugler, Reinhard, to Siemens Aktiengesellschaft. Multiple low-voltage circuit breaker having bus bars. 4,802,059, 1-31-89, Cl. 361-361.000.
- Priewasser, Georg: *See*—
  - Stock, Horst; Huber, Lothar; and Priewasser, Georg, 4,834,832, Cl. 156-620.100.
- Prifert, William D.: *See*—
  - Priefert, Marvin J.; and Prifert, William D., 4,858,417, Cl. 56-6.000.
- Prigent, Georges; Besnard, Patrick; and Dupaillon, Jacques, to U.S. Philips Corporation. Demagnetization and earthing device for a picture tube and machine for manufacturing same. 4,812,946, 3-14-89, Cl. 361-150.000.
- Prikle, Fred L. Freeze protection device. 4,815,491, 3-28-89, Cl. 137-62.000.
- Prikoszovich, Walter: *See*—
  - Franz, Joachim; Prikoszovich, Walter; and Brich, Zdenek, 4,801,739, Cl. 560-185.000.
- Prikryl, Ivan, to Optotech, Inc. Concentric photodetector arrangement for focusing and tracking. 4,843,603, 6-27-89, Cl. 369-45.000.
- Prilik, Ronald J.; and Varner, James R., to International Business Machines Corporation. Read/write memory device with an embedded read-only pattern and method for providing same. 4,841,485, 6-20-89, Cl. 365-201.000.
- Prill, Fredric W.: *See*—
  - Farnham, Robert E.; and Prill, Fredric W., 4,839,571, Cl. 340-606.000.
- Prillaman Chemical Corporation: *See*—
  - Quinlan, George L., 4,814,015, Cl. 106-170.000.

- Prima Industrie S.p.A.: *See—*
  - Sartorio, Franco, 4,806,071, Cl. 414-786.000.
  - Sartorio, Franco, 4,827,757, Cl. 72-420.000.
- Prima Meat Packers, Ltd. Research and Development Center: *See—*
  - Kimura, Masatoshi; Okuda, Hiroshi; Fujikawa, Yujiro; and Inomata, Tatsuaki, 4,796,411, Cl. 53-453.000.
- Primages, Inc.: *See—*
  - Chu, Mosi; Graziano, Anthony; and Krese, Kenneth, 4,840,504, Cl. 400-213.000.
  - Chu, Mosi, 4,886,380, Cl. 400-121.000.
- Primary Delivery Systems, Inc.: *See—*
  - DeJonge, Antonia R., 4,854,459, Cl. 215-220.000.
  - Weinstein, Jack, 4,875,603, Cl. 222-205.000.
- Primary Systems Corporation: *See—*
  - Braginsky, Sidney, 4,881,863, Cl. 414-225.000.
- Primas, Willi; Proschkowitz, Max; and Marsch, Wilhelm, to Wacker-Chemie GmbH. Process for preparing moldings or coatings. 4,863,666, 9-5-89, Cl. 264-320.000.
- Primat, Didier: *See—*
  - Billiotte, Jean-Marie; Bouin, Thierry; Basset, Frederic; Beauvois, Jacques; and Primat, Didier, 4,881,269, Cl. 382-8.000.
- Primavera, Stephen W.; Burbank, John J., Jr.; and Neault, Garrett J., to Vacco Industries. Underwater filter system. 4,883,588, 11-28-89, Cl. 210-117.000.
- Primaxis Corporation: *See—*
  - Dumoulin, Jacques, 4,838,741, Cl. 409-131.000.
- Primdahl, Franz: *See—*
  - Nielsen, Ole S. M.; and Primdahl, Franz, 4,844,415, Cl. 251-325.000.
- Prime Actuator Control Systems Limited: *See—*
  - Calvert, Michael A., 4,883,262, Cl. 267-175.000.
- Prime Computer, Inc.: *See—*
  - Allison, Robert; and Lefsky, Brian, 4,888,687, Cl. 364-200.000.
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  - Presant, Stephen D., 4,855,899, Cl. 364-200.000.
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  - Sardella, Louis M., 4,889,331, Cl. 271-11.000.
- Primerano, Patrizia: *See—*
  - Corigliano, Francesco; Di Pasquale, Sebastiana; Primerano, Patrizia; and Zipelli, Cesare, 4,814,150, Cl. 423-67.000.
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  - Sorensen, Jens O., 4,846,350, Cl. 206-520.000.
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  - Pasternak, Stephen M., 4,858,340, Cl. 36-88.000.
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  - Hirano, Taichi, 4,879,937, Cl. 84-699.000.
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  - Nosenchuck, Daniel M.; and Littman, Michael G., 4,811,214, Cl. 364-200.000.
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  - Prince, Kendall W.; and Prince, Jack R., 4,818,590, Cl. 428-213.000.
- Principe, William L.; and Fowler, Jacky L., to Cutting/Sewing Room Equipment Company, Inc. Fabric pin table. 4,832,323, 5-23-89, Cl. 269-54.500.
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  - Guevel, Pierre; and Landel, Eric, 4,810,129, Cl. 405-79.000.

- Pring, Graham M.: *See—*
  - James, Keith; and Pring, Graham M., 4,812,242, Cl. 210-735.000.
- Pringle, John: *See—*
  - Goleczka, Joseph; Harris, Walter; and Pringle, John, 4,877,418, Cl. 44-600.000.
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  - Mizutani, Mario, 4,878,981, Cl. 156-356.000.
- Print-Lock Corp.: *See—*
  - Butland, Charles L., 4,882,195, Cl. 427-1.000.
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- Printronix, Inc.: *See—*
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- Printz, Gerald L. Eating utensil. 4,809,435, 3-7-89, Cl. 30-142.000.
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- Prinz, Wolfgang: *See—*
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- Priola, James W.; and Sauder, James W., to Omni Systems, Inc. Door security system. 4,861,082, 8-29-89, Cl. 292-346.000.
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- Prior, Chrisopher P.; and Ducommun, Garance M. Process for purifying a protein. 4,828,989, 5-9-89, Cl. 435-68.000.
- Prior, Jeffrey J.: *See—*
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- Prior, Michael D.: *See—*
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  - Wee, Siok H. H.; and Prisbylla, Michael P., 4,871,391, Cl. 71-92.000.
- Priser, James A.: *See—*
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- Pritchard, F. D., to Burlington Industries, Inc. High speed extraction and treatment apparatus. 4,861,561, 8-29-89, Cl. 422-116.000.
- Pritchard, Francis E.; and Kibler, Vincent J., to Union Carbide Corporation. High pressure regulator valve. 4,844,111, 7-4-89, Cl. 137-71.000.
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- Pritchard, Robert J.: *See—*
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- Pritchett, Eddie J. Liquid dispensing device. 4,807,785, 2-28-89, Cl. 222-442.000.
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- Pritty, David W.; and Masson, Derek, to University of Strathclyde. Local area network priority control system. 4,819,229, 4-4-89, Cl. 370-89.000.
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- Pro-Kleen Systems International, Ltd.: *See—*
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- Pro-Line, Inc.: *See—*
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- Probert, Walter L.: *See—*
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- Probst, Harry C., to Brunswick Corporation. Engine seal using flowable sealant. 4,830,383, 5-16-89, Cl. 277-12.000.
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- Probst, Joachim: *See—*
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- Probst, P. A.: *See—*
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- Procaccini, Gary S.: *See—*
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- Procak, Kenneth A. Fare box. 4,795,087, 1-3-89, Cl. 232-7.000.
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  - Cho, Boong Y., 4,803,715, Cl. 378-90.000.
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  - Reed, Gordon K., 4,879,003, Cl. 162-344.000.
  - Sturm, Steven P., 4,823,008, Cl. 250-339.000.
  - Sturm, Steven P., 4,837,438, Cl. 250-339.000.
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  - Neve, Brian D.; Lawrence, Peter J.; and Owen, Lyndon N., 4,887,266, Cl. 370-95.100.
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  - Wong, Chi W., 4,879,007, Cl. 204-15.000.
- Process Biotechnology, Inc.: *See—*
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  - Muddiman, George S., 4,809,729, Cl. 137-68.100.
- Process Evaluation and Development Corporation: *See—*
  - Villavicencio, Eduardo J., 4,857,145, Cl. 162-19.000.
  - Villavicencio, Eduardo J.; and Gomez-Estevez, Camilo, 4,889,591, Cl. 162-20.000.
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- Process Systems, Inc.: *See—*
  - Jannelli, Ralph J.; Anderson, Larry W.; and Randall, Bruce E., 4,817,204, Cl. 455-607.000.
  - Loeffler, Horst R., 4,801,874, Cl. 324-142.000.
- Prochaska, Frank H., to American Safety Razor Company. Disposable surgical scalpel. 4,823,457, 4-25-89, Cl. 29-509.000.
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  - Lageder, Heinrich; Masek, Jaroslav; and Prochazka, Kamil, 4,801,216, Cl. 403-24.000.
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- Prochnow, Kenneth, to Carnes Company, Inc. Opposed blade balanced damper. 4,817,508, 4-4-89, Cl. 98-41.100.
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  - Strandholm, John J.; Prochnow, Robert R.; Miller, Mark S.; Woodford, Lawrence E.; and Neunaber, Steven M., 4,885,183, Cl. 426-582.000.
- Prochut, Richard: *See—*
  - Kosrow, Robert L.; Prochut, Richard; and Adamski, Maximilian, Jr., 4,819,926, Cl. 270-45.000.
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  - Anderson, Barry J.; and Arand, Dale S., 4,871,569, Cl. 426-479.000.
  - Anderson, Colin; and Flora, Lawrence, 4,812,304, Cl. 424-112.000.
  - Angstadt, John J., 4,888,231, Cl. 428-213.000.
  - Arnau-Munoz, Jose L.; and Cornette, Henri, 4,835,804, Cl. 8-158.000.
  - Arnau-Munoz, Jose L.; and Cornette, Henri, 4,874,107, Cl. 220-20.000.
  - Aziz, Mohammed I.; and Blaney, Ted L., 4,808,178, Cl. 604-385.200.
  - Baird, James C.; Japikse, Cornelis H.; Quigley, Steven F.; and Simpson, Edward J., 4,846,359, Cl. 215-12.200.
  - Ball, W. Kenneth; Goulait, David J. K.; and Zorb, James E., 4,854,984, Cl. 156-73.500.
  - Barford, Brian D.; Fulmer, Andrew W.; and Manring, Gary L., 4,835,148, Cl. 514-179.000.
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  - Bedenk, William T.; and Harden, Kendall L., 4,817,788, Cl. 206-0.500.
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  - Benedict, James J.; Bush, Rodney D.; and Sunberg, Richard J., 4,846,650, Cl. 424-55.000.
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  - Borcher, Thomas A., Sr.; Delgado, Rodolfo; and Trinh, Toan, 4,863,619, Cl. 252-8.600.
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  Bernard, Philippe; and Prudhon, Francois, 4,832,822, Cl. 208-130.000.
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Pruett, Nicholas. Ski beeper. 4,835,523, 5-30-89, Cl. 340-571.000.
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Pruim, Ronald. Lock for a brake valve. 4,881,388, 11-21-89, Cl. 70-175.000.
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Pryor, Roger W.; Klersy, Patrick J.; Piontkowski, Jerry A.; and Formigoni, Napolean P., to Energy Conversion Devices, Inc. Method of fabricating stabilized threshold switching material. 4,804,490, 2-14-89, Cl. 252-62.3BT.
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  Yates, Donald B.; and Przbylinski, Phillip G., 4,881,470, Cl. 105-165.000.
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  Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
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  Wise, George, 4,867,437, Cl. 271-291.000.
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  Dooley, Mark W.; and Dayke, Robert B., 4,870,343, Cl. 324-725.000.
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Pucci, Gregory P.: *See*—
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Puccinelli, Massimo: *See*—
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Puckett, Lawrence J. Frame spar for soft airfoils. 4,886,008, 12-12-89, Cl. 114-102.000.
Puckett, Paul M., to Dow Chemical Company, The. Heterocyclic styryl compounds and reaction products. 4,849,485, 7-18-89, Cl. 525-518.000.
Puckett, Paul M.: *See*—
  White, Warren D.; Puckett, Paul M.; Blankenship, Larry T.; and White, Mary N., 4,824,500, Cl. 156-94.000.
  Wykowski, Paul L.; and Puckett, Paul M., 4,798,761, Cl. 428-272.000.
Puckett, Troy L.; and Cadorniga, Lauro C., to MacGregor Golf Company. Short distance golf ball. 4,836,552, 6-6-89, Cl. 273-218.000.
Puckett, Troy L.; and Cadorniga, Lauro C., to MacGregor Golf Company. Method of molding a foamed core short distance golf ball. 4,839,116, 6-13-89, Cl. 264-45.300.
Puckett, William R.: *See*—
  Fling, Michael; and Puckett, William R., 4,864,817, Cl. 60-250.000.

  Fling, Michael; and Puckett, William R., 4,866,930, Cl. 60-250.000.
Puckette, Charles M., IV; and Saulnier, Gary J., to General Electric Company. Digital subharmonic sampling down-converter. 4,888,557, 12-19-89, Cl. 329-341.000.
Puckette, Thomas A., to Eastman Kodak Company. Catalyst material recovery or concentration process. 4,845,306, 7-4-89, Cl. 568-454.000.
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Puckette, Thomas A.: *See*—
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Puckhaber, John H.; Misevich, Kenneth W.; and Mintel, Thomas E., to Colgate-Palmolive Company. Dynamic transverse girth. 4,794,706, 1-3-89, Cl. 36-91.000.
Pudenz-Schulte Medical Research Corp.: *See*—
  East, Gary P.; Laguette, Stephen W.; Heindl, Alfons; and Lintula, Leanne M., 4,861,331, Cl. 604-9.000.
  East, Gary P., 4,867,740, Cl. 604-9.000.
  Schulte, Rudolf R.; Laguette, Stephen W.; and East, Gary P., 4,795,437, Cl. 604-10.000.
  Schulte, Rudolf R.; East, Gary P.; and Heindl, Alfons, 4,816,016, Cl. 604-9.000.
Puder, Allen T.: *See*—
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Puder, Hugh E., to Crom Corporation, The. Elongated prestressed concrete tank and method of constructing same. 4,843,778, 7-4-89, Cl. 52-741.000.
Puder, Zeev. Sponge supporting device with guide rod springs. 4,831,681, 5-23-89, Cl. 15-257.050.
Pudney, Jack L.; and Baird, Richard M., to Bridge & Plate Construction Pty. Ltd. Remote controlled travel apparatus. 4,835,692, 5-30-89, Cl. 364-424.010.
Puech, Claude: *See*—
  Arditty, Herve ; and Puech, Claude, 4,868,551, Cl. 340-712.000.
  Huignard, Jean P.; and Puech, Claude, 4,864,312, Cl. 342-375.000.
  Huignard, Jean-Pierre; Loiseaux, Brigitte; de Monchenault, Gauthier H.; and Puech, Claude, 4,847,521, Cl. 307-425.000.
  Lacotte, Jean-Pierre; and Puech, Claude, 4,888,266, Cl. 430-141.000.
Puente, John G.: *See*—
  Roberts, Carlos V.; Ong, Chong K.; and Puente, John G., 4,845,504, Cl. 342-457.000.
Puerner, Dean A., to AMP Incorporated. Connector keying system. 4,832,625, 5-23-89, Cl. 439-681.000.
Puerzer, Bernard G.; and Morse, Royal R., III, to General Electric Company. Interface comprising message and protocol processors for interfacing digital data with a bus network. 4,858,112, 8-15-89, Cl. 364-200.000.
Puester, Neil: *See*—
  Adams, David W.; Ching, Larry K. W., Jr.; and Puester, Neil, 4,859,547, Cl. 429-121.000.
Puetter, Hermann; and Roske, Eckhard, to BASF Aktiengesellschaft. Concentrating aqueous solutions of organic compounds which contain salts, with simultaneous reduction of the salt content. 4,802,965, 2-7-89, Cl. 204-182.400.
Puetter, Hermann; and Voss, Hartwig, to BASF Aktiengesellschaft. Obtaining aqueous solutions of organic acids or bases from aqueous solutions of their salts. 4,818,409, 4-4-89, Cl. 210-638.000.
Puetz, Heinrich, to Interatom GmbH. Method for producing porous bearing shells for gas-static bearings. 4,847,962, 7-18-89, Cl. 29-149.5PM.
Puetz, Heinrich, to Interatom GmbH. Gas-static and gas-dynamic bearing. 4,848,932, 7-18-89, Cl. 384-113.000.
Puetz, Ronald G., to Telsmith, Inc. Impact crusher. 4,821,970, 4-18-89, Cl. 241-192.000.
Pufpaff, Frederick J., to Simmons Fastener Corporation. Plastic hole plug with self-piercing point. 4,823,978, 4-25-89, Cl. 220-307.000.
Pugh, Billy G., to Billy Pugh Co., Inc. Article cover and shelter. 4,841,892, 6-27-89, Cl. 114-190.000.
Pugh, Billy G., to Billy Pugh Company, Inc. Cushion for a personnel/-cargo net. 4,883,301, 11-28-89, Cl. 294-77.000.
Pugh, Bradley L., to Ansell Incorporated. Spermicidal condom. 4,795,425, 1-3-89, Cl. 128-844.000.
Pugh, Gregory E. Arrow holding and loading device for archery bows. 4,823,762, 4-25-89, Cl. 124-52.000.
Pugh, J. Robert; and Matherly, James F., to Custom Industries, Inc. Crawl space ventilation system. 4,877,182, 10-31-89, Cl. 236-44.00C.
Pugh, Jerry T.: *See*—
  Brenneman, Allen J.; Buck, Harvey B., Jr.; Pugh, Jerry T.; and Robertson, Steven P., 4,798,577, Cl. 494-67.000.
  DeSimone, Joseph P.; Heiland, Robert J.; Moulton, Joseph L.; Purcell, D. Glenn; and Pugh, Jerry T., 4,833,088, Cl. 435-289.000.
Pugh, Joel A.: *See*—
  Carter, Howard E.; Pugh, Joel A.; and Pierce, Byron C., 4,825,460, Cl. 379-67.000.
Pugh, Sydney M.: *See*—
  Bellhouse, Brian J.; and Pugh, Sydney M., 4,844,097, Cl. 128-635.000.
Pugliese, Osvaldo: *See*—
  Barbagelata, Giuseppe; Conterno, Bruno; Luperini, Vildo; Perroni, Enrico; Pesce, Fernando; and Pugliese, Osvaldo, 4,814,970, Cl. 364-200.000.
Puglisi, Anna M.: *See*—
  Augusti, Ferdinando; Bonatto, Luigi; and Puglisi, Anna M., 4,833,533, Cl. 358-80.000.
Puglisi, Louis: *See*—
  Leinoff, David; and Puglisi, Louis, 4,823,569, Cl. 70-59.000.
Puhl, Larry C.: *See*—
  Levine, Stephen N.; Puhl, Larry C.; Bliss, Harry M.; and Corrigan, Gerald E., 4,803,726, Cl. 380-48.000.
Puhler, Alfred: *See*—
  Wohlleben, Wolfgang; Schulte, Agnes; and Puhler, Alfred, 4,880,746, Cl. 435-253.500.
Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, to Voest-Alpine Aktiengesellschaft. Mill arrangement and a process of operating the same using off gases to refine pig iron. 4,804,408, 2-14-89, Cl. 75-38.000.
Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, to Voest-Alpine Aktiengesellschaft. Mill arrangement with temporary storage vessel and a process of operating the same. 4,867,787, 9-19-89, Cl. 75-38.000.
Pui Lan Wen, Betty: *See*—
  Wright, Arthur P. G.; Pui Lan Wen, Betty; Schenck, Terry G.; and Maron, Antonina, 4,822,876, Cl. 536-121.000.
Puiam, Chana: *See*—
  Broadwin, Alan; Kreizman, Alexander; Puiam, Chana; Podany, Vaclav O.; and Emery, Leonard M., 4,827,911, Cl. 128-24.00A.
Puigcerver, Luis; Shimirak, Gerald; and Berth, Jorgen, to Raychem Corporation. Cable sealing apparatus. 4,880,676, 11-14-89 Cl. 428-35.700.
Puippe, Jean-Claude. Process for the precise determination of the surface area of an electrically conducting shaped body. 4,840,708, 6-20-89, Cl. 204-1.00T.
Pujado, Peter R., to UOP Inc. Process for recovery of butene-1 from mixed C4 hydrocarbons. 4,797,133, 1-10-89, Cl. 44-53.000.
Pujado, Peter R.: *See*—
  Vora, Bipin V.; Pujado, Peter R.; and Conser, Richard E., 4,816,607, Cl. 568-697.000.
Pujals, Charles, Jr. Cervical/occipital support. 4,854,306, 8-8-89, Cl. 128-75.000.
Pujari, Vimal K., to Norton Company. Process for separating short fibers. 4,843,041, 6-27-89, Cl. 501-95.000.
Pujol Y Tarrago S.A.: *See*—
  Solano, Victorino; and Trilla, Antonio S., 4,[illegible]4,426, Cl. 188-196.00M.
  Solano, Victorino S.; and Trilla, Antonio S., 4,887,705, Cl. 192-111.00A.
Pukalo, Walter P.: *See*—
  Critton, Thomas J.; Johnson, Donald S.; Pukalo, Walter P.; and Yorio, Ralph, 4,872,369, Cl. 74-574.000.
Pukis, Alexandr A.: *See*—
  Masovich, Felix Z.; Osokin, Jury I.; Pukis, Alexandr A.; Stepanov, Nikolai I.; and Shishlov, Vyacheslav I., 4,844,548, Cl. 299-43.000.
Pulaski Furniture Corporation: *See*—
  Kelly, James H., 4,879,701, Cl. 368-136.000.
Pulaski, Harry: *See*—
  Sansone, Michael J.; Onorato, Frank J.; and Pulaski, Harry, 4,826,502, Cl. 8-115.590.
Pulciani, Sam C.: *See*—
  Mikas, Raymond; Szczerba, Robert M.; and Pulciani, Sam C., 4,852,377, Cl. 72-349.000.
Puleston, David J.: *See*—
  Busbridge, Michael L.; and Puleston, David J., 4,827,252, Cl. 340-729.000.
Puletti, Paul P.: *See*—
  Kauffman, Thomas F.; and Puletti, Paul P., 4,822,653, Cl. 428-34.200.
Pulicani, Jean-Pierre: *See*—
  Caude, Marie-Celine; Morel, Didier; and Pulicani, Jean-Pierre, 4,795,538, Cl. 204-111.000.
Pulichino, John V., Jr.; and Tong, Joy, to American Tourister, Inc. Suitcase with compartment for a foldable garment bag. 4,854,431, 8-8-89, Cl. 190-108.000.
Pulick, Michael A.: *See*—
  Field, Nathaniel L.; and Pulick, Michael A., 4,858,670, Cl. 164-11.000.
Pulido, Hector: *See*—
  Baeza, Sam; and Pulido, Hector, 4,854,568, Cl. 269-268.000.
Pulina, Italo: *See*—
  Pittarello, Ferruccio; and Pulina, Italo, 4,816,111, Cl. 156-504.000.
Pulkowski, Jeffrey H.; Macklem, Elizabeth A.; and Busker, L. H., to Beloit Corporation. Heated extended nip press with porous roll layers. 4,874,469, 10-17-89, Cl. 162-359.000.

Pullen, Adrian C. Template for marking or cutting a shaped corner on a workpiece. 4,837,939, 6-13-89, Cl. 33-562.000.
Pulliam, David J.: *See—*
  Crewson, Gary E.; and Pulliam, David J., 4,858,729, Cl. 188-205.00R.
Pullig, Joe G., Jr. Manually operated spear apparatus. 4,877,085, 10-31-89, Cl. 166-98.000.
Pullinen, Martti: *See—*
  Niskanen, Juhani; and Pullinen, Martti, 4,856,155, Cl. 29-113.200.
Pullman, Burke C. Flexible torch. 4,884,177, 11-28-89, Cl. 362-189.000.
Pullman Canada Ltd.: *See—*
  Leonard, John K.; and Fabry, Roland, 4,882,573, Cl. 340-578.000.
Pullman Peabody Company, The: *See—*
  Shaddock, Roland E., 4,819,314, Cl. 29-157.00C.
Pullo Frank A.: *See—*
  Soto, Jeffrey A.; and Pullo, Frank A., 4,870,397, Cl. 340-747.000.
Pulp and Paper Research Institute of Canada: *See—*
  Liebergott, Norman; and Heitner, Cyril, 4,804,440, Cl. 162-70.000.
  MacLeod, J. Martin; and Cyr, Martin E., 4,814,042, Cl. 162-17.000.
  Paice, Michael G.; Archibald, Frederick S.; Jurasek, Lubomir; Bourbonnais, Robert E.; and Ho, Ka-Kee, 4,830,708, Cl. 162-72.000.
  Pikulik, Ivan I., 4,880,499, Cl. 162-198.000.
Puls, Kenneth B., to Winzeler Stamping Company. Composite male hose coupler. 4,850,620, 7-25-89, Cl. 285-174.000.
Puls, Walter: *See—*
  Goldmann, Siegfried; Bischoff, Hilmar; Puls, Walter; Bender, Joachim; Petzinna, Dieter; and Schlossmann, Klaus, 4,801,715, Cl. 546-116.000.
Pulsar Light of Cambridge Limited: *See—*
  Mardon, Paul F., 4,862,012, Cl. 307-38.000.
Pulse Electronics, Inc.: *See—*
  Bezos, Angel P.; and Fernandez, Emilio A., 4,862,433, Cl. 368-108.000.
  Fernandez, Emilio A.; Bezos, Angel P.; and Kimball, Charles H., 4,840,056, Cl. 73-1.00H.
  Kane, Mark E.; Shockley, James F.; and Eck, Henry H., 4,885,689, Cl. 364-424.010
  Kane, Mark K.; and Martin, Gregory C., 4,847,770, Cl. 364-426.050.
  Martin, Gregory C., 4,847,170, Cl. 429-1.000.
  Martin, Gregory C.; and Egerton, Gary W., 4,876,885, Cl. 73-129.000.
Pulse Time Products Limited: *See—*
  Orr, Thomas; and Carruthers, Malcolm E., 4,869,262, Cl. 128-672.000.
Pulse Trend, Inc.: *See—*
  Treatch, James E., 4,830,018, Cl. 128-677.000.
Pulsifer, Paul I.: *See—*
  Conway, Larry J.; Pulsifer, Paul I.; and Cornish, William D., 4,866,441, Cl. 341-122.000.
Pulsotronic Merten GmbH & Co. KG: *See—*
  Dondorf, Wolfgang, 4,876,531, Cl. 340-686.000.
Pulvermacher, Ronald J., to Dairy Equipment Co. Milk flow indicator. 4,873,943, 10-17-89, Cl. 119-14.160.
Pulwer, Mitchell J.: *See—*
  Miller, William H.; Reitz, David B.; and Pulwer, Mitchell J., 4,804,499, Cl. 260-502.50F.
Pum, Franz; and Saute, Robert E. Gel composition. 4,804,705, 2-14-89, Cl. 525-54.210.
Puma AG Rudolf Dassler Sport: *See—*
  Flemming, Udo; and Bauer, Willi, 4,821,430, Cl. 36-69.000.
  Flemming, Udo, 4,833,796, Cl. 36-134.000.
  Flemming, Udo, 4,858,343, Cl. 36-128.000.
Pump Controller Corporation: *See—*
  Groshong, Leroy E.; Groshong, Judson C.; and Brawn, R. James, deceased, 4,838,860, Cl. 604-152.000.
Pumpen- und Maschinenbau Fritz Seeberger KG: *See—*
  Seeberger, Fritz, 4,823,935, Cl. 198-533.000.
Pumphrey, Edward G., to Hewlett-Packard Company. NMOS analog voltage comparator. 4,812,681, 3-14-89, Cl. 307-362.000.
Pumpkin, Ltd.: *See—*
  Bardeen, John P., 4,828,114, Cl. 206-575.000.
  Bardeen, John P.; and Ellefson, Jerry K., 4,841,638, Cl. 30-332.000.
Punako, Stephen; Williams, Warren R., Jr.; and Gallusser, David O., to Amphenol Corporation. Pressurized electrical connector and method of assembly. 4,810,209, 3-7-89, Cl. 439-589.000.
Punches, Robert J.; Murray, Gary P.; and Shirley, Roger D., to Kent-Moore Corporation. Storage tank scale for a refrigerant recovery system. 4,878,356, 11-7-89, Cl. 62-149.000.
Puncoch, Miloslav: *See—*
  Maraghe, Alex; and Puncoch, Miloslav, 4,854,010, Cl. 16-360.000.
Puncochar, Norbert L. Torque transfer gear system. 4,825,729, 5-2-89, Cl. 81-57.300.
Pundsack, Arnold L.: *See—*
  Tam, Man C.; Gundlach, Robert W.; and Pundsack, Arnold L., 4,880,715, Cl. 430-41.000.
  Tam, Man C.; and Pundsack, Arnold L., 4,883,731, Cl. 430-41.000.
Pungas, Toom A.: *See—*
  Radik, Tynu A.; Sjugis, Anatol J.; Pungas, Toom A.; and Korsen, Vilie K., 4,888,530, Cl. 318-254.000.
Punger, Michael: *See—*
  Noack, Dieter; Bruchmann, Bernd; and Punger, Michael, 4,831,220, Cl. 200-148.00G.
Punja, Nazim, to Imperial Chemical Industries PLC. Halogenated esters. 4,868,209, 9-19-89, Cl. 514-531.000.
Puno, Rolando M.; and Kelly, Kevin A., to Danninger Medical Technology. Transpedicular screw and rod system. 4,805,602, 2-21-89, Cl. 128-69.000.
Puntener, Alois, to Ciba-Geigy Corporation. Iron complexes of azo dyes obtained from naphthylsulfonic acid, resorcinol and nitroaminophenol. 4,801,695, 1-31-89, Cl. 534-684.000.
Puntener, Alois; Back, Gerhard; and Koller, Josef, to Ciba-Geigy Corporation. Process for improving the light-fastness of leather dyeings. 4,818,246, 4-4-89, Cl. 8-437.000.
Puntener, Alois, to Ciba-Geigy Corporation. Tris-azo black or grey dyes for leather or pelts. 4,836,827, 6-6-89, Cl. 8-437.000.
Puntener, Alois: *See—*
  Back, Gerhard; Beffa, Fabic; Schlesinger, Ulrich; and Puntener, Alois, 4,874,849, Cl. 534-696.000.
Puozzo, Luciano; Contrafatto, Guido; and Gay, Paolo, to Fiat Auto S.p.A. Method for processing large cast iron dies, particularly for vehicle sheet-metal pressing, and the apparatus for its implementation. 4,808,791, 2-28-89, Cl. 219-121.780.
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Pupillo, Andrew; and Babcock, Jon A., to Posi-Seal International, Inc. Assembly and method for installing and retaining valve seals. 4,836,500, 6-6-89, Cl. 251-306.000.
Pupovic, Milenko. Bed with adjustable positions. 4,847,929, 7-18-89, Cl. 5-62.000.
Puppet Kooler Industries, Inc.: *See—*
  Ayon, Lance C.; and Lipman, Steven B., 4,815,999, Cl. 446-73.000.
Pupulidy, Emanuel M.: *See—*
  Tunningley, William A.; Tunnungley, Martha A.; and Pupulidy, Emanuel M., 4,878,260, Cl. 7-129.000.
Purafil, Inc.: *See—*
  Osborne, Michael W.; Afforder, Cynthia A.; and England, William G., 4,855,276, Cl. 502-415.000.
Purcaru, Bebe-Titu. Turbo-machine blade. 4,795,312, 1-3-89, Cl. 416-223.00A.
Purcell, Bradford P., to IMS Limited. Powder spike holder. 4,822,351, 4-18-89, Cl. 604-411.000.
Purcell, D. Glenn: *See—*
  DeSimone, Joseph P.; Heiland, Robert J.; Moulton, Joseph L.; Purcell, D. Glenn; and Pugh, Jerry T., 4,833,088, Cl. 435-289.000.
Purcell, John R.; and Sarwinski, Raymond E., to CDC Partners. Cryogenic regenerator. 4,866,943, 9-19-89, Cl. 62-6.000.
Purcell, John R.: *See—*
  Burnett, Sibley C.; Purcell, John R.; Breneman, Bruce C.; and Sarwinski, Raymond E., 4,841,268, Cl. 335-216.000.
Purcell, Patrick: *See—*
  Brown, John C. A. T.; Purcell, Patrick; and Sweeny, Peter J., 4,819,746, Cl. 175-296.000.
Purcell, Robert J.; Simmons, Gerald P.; and Farris, Robert R., to Caterpillar Inc. Suspension mechanism for a track-type vehicle. 4,817,746, 4-4-89, Cl. 180-9.100.
Purcell, Robert J.; and Farris, Robert R., to Caterpillar Inc. Multiple mode vehicle suspension system. 4,819,754, 4-11-89, Cl. 180-9.100.
Purcell, Robert J.; and Farris, Robert R., to Caterpillar Inc. Suspension system for a vehicle. 4,874,052, 10-17-89, Cl. 180-9.100.
Purcell, Robert J.; and Farris, Robert R., to Caterpillar Inc. Suspension mechanism for a track-type vehicle. 4,881,609, 11-21-89, Cl. 180-9.500.
Purcell, Robert J.: *See—*
  Getz, Marvin G.; McFeeters, Brian D.; and Purcell, Robert J., 4,854,650, Cl. 305-10.000.
  Livesay, Richard E.; Purcell, Robert J.; and Maust, Blair A., 4,819,999, Cl. 305-11.000.
Purcell, Thomas; Rivron, Luc; and Zard, Lydia, to Synthelabo. Dibenzo[b,e]oxepinacetic acid derivatives and pharmaceutical compositions containing them. 4,810,723, 3-7-89, Cl. 514-450.000.
Purcell, Thomas: *See—*
  Comarmond, Jacques; Purcell, Thomas; and Zard, Lydia, 4,812,467, Cl. 514-341.000.
Purcell, William P.: *See—*
  Parish, Harlie A.; and Purcell, William P., 4,885,311, Cl. 514-549.000.
Purcey, Larry J.; VanderHoff, Douglas A.; Vreeland, Robert H.; Nielsen, James P.; and Ueno, Iowa, to KMW Group, Inc., The; and Keisei Medical Industrial Co., Ltd. Fluidization patient support control system. 4,835,802, 6-6-89, Cl. 5-453.000.
Purdes, Andrew J., to Texas Instruments Incorporated. Method for heteroepitaxial growth using tensioning layer on rear substrate surface. 4,830,984, 5-16-89, Cl. 437-126.000.
Purdes, Andrew J., to Texas Instruments Incorporated. Chemical beam epitaxy system. 4,878,989, 11-7-89, Cl. 156-613.000.
Purdue Research Foundation: *See—*
  Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., 4,827,763, Cl. 73-172.000.
  Citron, Stephen J., 4,807,151, Cl. 364-510.000.
  Citron, Stephen J.; and O'Higgins, John E., 4,843,870, Cl. 73-116.000.
  Coyle, Edward J.; Gallagher, Neal C., Jr.; Bass, Steven C.; Fitch, Joseph P.; and Harber, Ronald G., 4,868,773. Cl. 364-724.010.
  Depel, William A.; and Weinberg, Bernd, 4,820,304, Cl. 623-9.000.
  Geddes, Leslie A.; Babbs, Charles F.; Voorhees, William D., III; and Bourland, Joe D., 4,827,935, Cl. 128-419.00G.
  Larkins, Brian; Cuellar, Richard E.; and Wallace, John C., 4,885,357, Cl. 530-373.000.
  Larkins, Brian; Cuellar, Richard E.; Wallace, John C.; and Galili, Gad, 4,886,878, Cl. 536-26.000.
  Neudeck, Gerold W., 4,829,016, Cl. 437-31.000.
  Rappaport, Theodore S., 4,851,859, Cl. 343-790.000.
  Regnier, Frederick F.; and Kopaciewicz, William, 4,804,686, Cl. 521-28.000.
  Shade, Richard E.; Furgason, Eric S.; and Murdock, Larry L., 4,809,554, Cl. 73-587.000.
  Tanaka, Fumio; and DeWitt, David P., 4,881,823, Cl. 374-126.000.
  Taylor, Raymond E.; Groot, Hans; and Vaughn, Weldon E., 4,865,461, Cl. 374-55.000.
Purdue University: *See—*
  Beremand, Phillips D.; Ohlrogge, John B.; and Kuhn, David N., 4,888,282, Cl. 435-193.000.
Purdy, Calvin W., to ITT Avionics, a division of ITT Corporation. Apparatus for inserting, securing and extracting receptacles, such as equipment cases. 4,804,287, 2-14-89, Cl. 403-16 000.
Purdy, Erika: *See—*
  Gelb, Allan S.; Townsend, Peter B.; and Purdy, Erika, 4,855,810, Cl. 357-87.000.
Purdy, Harold L.: *See—*
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Pyoria, Kaarlo: *See—*

Niemi, Jouko; Pyoria, Kaarlo; and Korhonen, Heikki, 4,811,907, Cl. 241-5.000.

Pyrament, Inc.: *See—*

Heitzmann, Richard F.; Gravitt, Billy B.; and Sawyer, James L., 4,842,649, Cl. 106-89.000.

Pyramid Industries, Inc.: *See—*

Morris, William E., 4,854,893, Cl. 439-578.000.

Pyrcioch, Eugene J.: *See—*

Lau, Francis S.; Mensinger, Michael C.; and Pyrcioch, Eugene J., 4,810,257, Cl. 44-27.000.

Pyrene Chemical Services Limited: *See—*

Higgins, George, 4,801,337, Cl. 148-6.200.

Pyromation, Inc.: *See—*

Wilson, Richard F., 4,871,263, Cl. 374-139.000.

Pyromid, Inc.: *See—*

Hait, Paul W., 4,829,975, Cl. 126-9.00R.

Hait, Paul W., 4,877,010, Cl. 126-9.00A.

Hait, Paul W., 4,884,551, Cl. 126-9.00R.

Rohrer, Daniel F., 4,844,108, Cl. 135-91.000.

Pyrotector, Inc.: *See—*

Dunbar, Robert A., 4,820,931, Cl. 250-554.000.

Pyrz, Joseph W.; Lanzalaco, Anthony C.; and Sunberg, Richard J., to Procter & Gamble Company, The. Anticalculus compositions. 4,847,070, 7-11-89, Cl. 424-52.000.

Pyszel, Ronald J.: *See—*

Compeau, David E.; Rogers, Lloyd W.; Pyszel, Ronald J.; and Chapman, Walter C., 4,823,059, Cl. 318-454.000.

Pytryga, Frank G.; and Prince, Martin. Safety gas cylinder containment system. 4,802,515, 2-7-89, Cl. 141-97.000.

Pyzik, Aleksander J.; Ott, Jack J.; and Jankowski, Scott J., to Dow Chemical Company, The. Method for making composite articles that include complex internal geometry. 4,834,938, 5-30-89, Cl. 419-6.000.

Pyzik, Aleksander J.; Dubensky, William J.; Schwarz, Douglas B.; and Beaman, Donald R., to Dow Chemical Company, The. Self-reinforced silicon nitride ceramic of high fracture toughness and a method of preparing the same. 4,883,776, 11-28-89, Cl. 501-10.000.

PZF, Inc.: *See—*

Frisk, Don L., 4,801,105, Cl. 242-107.40B.

Q A Technology Company, Inc.: *See—*

Coe, Thomas D., 4,885,533, Cl. 324-158.00P.

Q-Bit Corporation: *See—*

Larkin, Stephen J., 4,879,525, Cl. 330-294.000.

Q & L Corp., Inc.: *See—*

Frankel, Hugh; Sauve-Frankel, Ginette; and Aubut, Christian, 4,805,087, Cl. 364-474.220.

Q.P. Corporation: *See—*

Hayashi, Masanori; and Ito, Fukefumi, 4,826,702, Cl. 426-589.000.

Takano, Motoharu, 4,795,328, Cl. 425-5.000.

Q.S. International, Ltd.: *See—*

Quincey, David G., 4,835,750, Cl. 368-286.000.

Qenico AB: *See—*

Nilsson, Kenth, 4,842,493, Cl. 417-322.000.

QFC, Inc.: *See—*

Milo, Alfred, 4,863,152, Cl. 270-47.000.

Qian, Shi-Nan: *See—*

Takacs, Peter Z.; and Qian, Shi-Nan, 4,884,697, Cl. 356-360.000.

QIC Plastics, Inc.: *See—*

Henricksen, Douglas A.; Clemente, Joseph R.; and Miller, Thomas P., 4,813,582, Cl. 224-42.430.

Qin, Yi: *See—*

Crane, Dale E.; and Qin, Yi, 4,864,583, Cl. 372-61.000.

QMP, Inc.: *See—*

King, Shaylor E., 4,807,935, Cl. 297-417.000.

Qonaar Corporation: *See—*

Shah, Govind; Pester, Andrew L.; and Stern, Carl M., 4,848,556, Cl. 194-212.000.

QSE Sales & Management, Inc.: *See—*

Dobnick, Dennis A., 4,874,990, Cl. 315-276.000.

Quaas, Jurgen. Construction of sound converter in sound guide, especially for loudspeakers, for example speaker boxes. 4,805,221, 2-14-89, Cl. 318-90.000.

Quabeck, Helmut: *See—*

Fischer, Gerhard; and Quabeck, Helmut, 4,876,611, Cl. 358-456.000.

Quack, Hans; and Angelini, Antonio, to Sulzer Brothers Limited. Method and apparatus of cooling a toroidal ring magnet. 4,884,409, 12-5-89, Cl. 62-51.100.

Quack, Jochen M.: *See—*

Stuhler, Herbert; Reng, Alwin; Skrypzak, Werner; and Quack, Jochen M., 4,853,430, Cl. 524-604.000.

Quackenbush, John, to FBK International Corporation. Medical catheter with splined internal wall. 4,840,623, 6-20-89, Cl. 604-280.000.

Quackenbush, John, to FBK International Corporation. Laminate conducting plastic. 4,876,140, 10-24-89, Cl. 428-216.000.

Quackenbush, Kirk: *See—*

Potter, Anthony B.; Wilson, John K.; Quackenbush, Kirk; and Dwyer, E. Jane, 4,867,154, Cl. 128-207.170.

Quacquarella, Cesare; and Williams, Richard S., to W. R. Grace & Co.-Conn. Thermoplastic multi-layer packaging film and bags made therefrom. 4,801,486, 1-31-89, Cl. 428-34.900.

Quad Environmental Technologies Corp.: *See—*

deVries, Egbert, 4,844,874, Cl. 423-210.000.

Rafson, Harold J., 4,863,495, Cl. 55-85.000.

Quad Research, Inc.: *See—*

MacGregor, Francis W., 4,875,246, Cl. 15-98.000.

Quad-S Consultants, Inc.: *See—*

Standridge, Robert; Ratliff, George R.; Senyard, Corley P., Sr.; Senyard, Corley P., Jr.; Garrett, Steve L.; Senyard, William H.; and Senyard, Thomas J., 4,824,580, Cl. 210-708.000.

Quad/Tech, Inc.: *See—*

Reynolds, Bruce A.; and Brengauz, Alexander, 4,882,764, Cl. 382-8.000.

Reynolds, Bruce A.; and Brengauz, Alexander, 4,885,785, Cl. 382-8.000.

Sainio, Jeffrey W., 4,887,530, Cl. 101-181.000.

Quadion Corporation: *See—*

Boyd, Richard M., 4,878,766, Cl. 384-130.000.

Quadra Logic Technologies Inc.: *See—*

Chandler, Howard, 4,874,691, Cl. 435-7.000.

Quadranti, Marco; Schmidli, Wilheim; and Zoschke, Andreas, to Ciba-Geigy Corporation. Synergistic composition and method for selective weed control in rice. 4,840,663, 6-20-89, Cl. 71-93.000.

Quadrex HPS, Inc.: *See—*

Fowler, David E., 4,797,128, Cl. 8-137.000.

Fowler, David E.; and McIlvaine, Eugene T., 4,842,746, Cl. 210-689.000.

Fowler, David E.; and Witt, Charles R., 4,865,061, Cl. 134-108.000.

Grant, David C. H., 4,878,931, Cl. 62-17.000.
Quadri Corporation: *See—*
Bruder, John F.; and Rainwater, Sam L., 4,805,146, Cl. 365-131.000.
Quadro, Giuseppe; and Cahn, Jean, to Yason s.r.l.; Sir International SA; and Henning Berlin GmbH. Calcium antagonistic dihydropyridine derivative. 4,826,856, 5-2-89, Cl. 514-318.000.
Quadro, Giuseppe, to Chiesi Farmaceutici S.p.A. Methylthioquinolyl guanidine derivative, process of preparation thereof and pharmaceutical compositions therefrom. 4,839,366, 6-13-89, Cl. 514-312.000.
Quadro, Giuseppe, to Yason S.r.l. Compound having mucus regulating and elastase-inhibitory activities, for the therapy of pulmonal emphysema and pulmonal fibrosis. 4,874,776, 10-17-89, Cl. 514-365.000.
Quadtek, Inc.: *See—*
James, Richard K., 4,814,868, Cl. 358-100.000.
Quaggiotti, Vittorio, to S.B.P. S.r.l. Double-shoe ski with intermediate linking member. 4,878,686, 11-7-89, Cl. 280-602.000.
Quaglia, James A. Jamb saw. 4,876,793, 10-31-89, Cl. 30-122.000.
Quaglino, Carl A., to Mobil Oil Corporation. Method for shot point analysis of seismic reflection signals. 4,797,860, 1-10-89, Cl. 367-47.000.
Quaglino, Carl A., to Mobil Oil Corporation. Method for logarithmic analysis of seismic reflection signals. 4,813,026, 3-14-89, Cl. 367-29.000.
Quaid, Joel, to Medical Products Development Inc. Method for making open-cell, silicone-elastomer medical implant. 4,889,744, 12-26-89, Cl. 427-2.000.
Quaintance, James. Electrical generating apparatus and method. 4,873,450, 10-10-89, Cl. 290-52.000.
Quaker Chemical Corporation: *See—*
Watts, Lawrence E., 4,812,240, Cl. 210-639.000.
Quaker Oats Company, The: *See—*
Asbach, Ronald M., 4,867,723, Cl. 446-4.000.
Blonski, Chester J., 4,853,965, Cl. 381-205.000.
Howell, William R.; and Shuler, Eric T., 4,833,743, Cl. 5-426.000.
Lucas, Eric E., 4,857,031, Cl. 446-481.000.
Maloney, William J., II, 4,811,751, Cl. 135-106.000.
Merten, Barron C.; and Morton, Kenneth P., 4,861,105, Cl. 297-250.000.
Merten, Barry; and Kamman, Gordon W., 4,852,837, Cl. 248-188.000.
Moomaw, David E., 4,867,728, Cl. 446-259.000.
Paddock, Charles W., 4,889,513, Cl. 446-197.000.
Roy, David C.; and Roy, Marjorie E. C., 4,879,989, Cl. 124-79.000.
Schaub, Bernhard; and Taylor, Steven, 4,798,555, Cl. 446-310.000.
Tomomatsu, Hideo, 4,853,235, Cl. 426-93.000.
Waples, David G., 4,842,331, Cl. 297-149.000.
Wsyzynski, Randall, 4,880,197, Cl. 248-324.000.
Wu, Rei-Young, 4,888,180, Cl. 426-618.000.
Quaker Plastic Corporation: *See—*
Dahowski, Donald E.; and Crandall, Scott E., 4,829,732, Cl. 52-298.000.
Dabowski, Donald E., 4,873,802, Cl. 52-184.000.
Qualcomm, Inc.: *See—*
Tubbs, Duane G., 4,876,554, Cl. 343-780.000.
Qualite Sports Lighting, Inc.: *See—*
Lemons, Thomas M.; and Spink, Kenneth M., 4,864,476, Cl. 362-348.000.
Qualitrol Corporation: *See—*
Hagerman, Richard E.; and Foster, Joseph F., 4,823,224, Cl. 361-37.000.
Johnson, Wendell D., 4,843,187, Cl. 174-11.00R.
Qualitron, Inc.: *See—*
Sturgeon, Clayton L., 4,858,093. Cl. 363-20.000.
Quality Automation, Inc.: *See—*
Machado, Joseph F., 4,850,785, Cl. 414-403.000.
Quality Components, Inc.: *See—*
Stech, James D., 4,842,046, Cl. 165-42.000.
Quality Dental Products, Inc.: *See—*
Heath, Derek E., 4,871,312, Cl. 433-164.000.
Quality Mold, Inc.: *See—*
Dietz, Raymond; and Morris, Mark E., 4,817,322, Cl. 42-96.000.
Quality Technologies Corporation: *See—*
Silverglate, David, 4,869,580, Cl. 350-432.000.
Quality Tubing, Inc.: *See—*
Dubois, Jon D., 4,863,091, Cl. 228-147.000.
Qualley, Paul. Portable basketball net. 4,834,368, 5-30-89, Cl. 273-1.50R.
Quallich, George J.; and Williams, Michael T., to Pfizer, Inc. Process for preparing sertraline intermediates. 4,839,104, 6-13-89, Cl. 260-396.00R.
Quan, John P.: *See—*
Bozyk, Richard P.; and Quan, John P., 4,829,713, Cl. 49-506.000.
Quan, Nancy N.: *See—*
Bhateja, Sudershan K.; Young, Chung I.; and Quan, Nancy N., 4,833,056, Cl. 430-106.600.
Quan, Peter M.; Stewart, David; and Nelson, Anthony J., to Imperial Chemical Industries, PLC. Extraction of metal values. 4,879,388, 11-7-89, Cl. 548-262.000.
Quan, Peter M.: *See—*
Devonald, David P.; Nelson, Anthony J.; Quan, Peter M.; and Stewart, David, 4,822,880, Cl. 540-492.000.
Quan, Xina S.: *See—*
Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.
Quandt, Herbert C.: *See—*
Orac, Thomas H.; Quandt, Herbert C.; and Ball, David R., 4,875,979, Cl. 201-5.000.
Quandt, James A.; and Lee, Joseph M., to Specialty Equipment Companies, Inc. Ice machine. 4,884,413, 12-5-89, Cl. 62-135.000.
Quang, Dang Vu; Davidson, Michel; Durand, Daniel; and County, Philippe, to Institut Francais du Petrole. Process for the production of hydrogen by catalytic reforming of methanol with water vapor. 4,840,783, 6-20-89, Cl. 423-648.100.
Quang, Dang Vu; Amigues, Pierre; Gaillard, Jean-Ferdinand; Leonard, Jacques; and Nocca, Jean-Luc, to Institut Francais Du Petrole; and Elf France. Process for manufacturing a tertiary alkyl ether by reactive distillation. 4,847,430, 7-11-89, Cl. 568-697.000.
Quanquin, Michel: *See—*
Boisde, Gilbert; and Quanquin, Michel, 4,820,045, Cl. 356-319.000.
Quante, J. Michael, to Becton, Dickinson and Company. Colorimetric detection of delta-5-3-ketosteroid isomerase and immunoassay based thereon. 4,847,194, 7-11-89, Cl. 435-7.000.
Quantel Limited: *See—*
Cawley, Robin A.; and Keller, Paul R. N., 4,855,834, Cl. 358-183.000.
Long, Robert J.; and Stapleton, Alan L., 4,829,455, Cl. 364-521.000.
Quantex Corporation: *See—*
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Lindmayer, Joseph, 4,812,659, Cl. 250-484.100.
Lindmayer, Joseph, 4,812,660, Cl. 250-484.100.
Lindmayer, Joseph, 4,818,434, Cl. 252-301.40S.
Lindmayer, Joseph, 4,822,520, Cl. 252-301.40S.
Lindmayer, Joseph, 4,830,875, Cl. 427-69.000.
Lindmayer, Joseph, 4,839,092, Cl. 252-301.40S.
Lindmayer, Joseph, 4,842,960, Cl. 428-690.000.
Lindmayer, Joseph, 4,855,603, Cl. 250-484.100.
Lindmayer, Joseph, 4,864,536, Cl. 365-119.000.
Lindmayer, Joseph, 4,879,186, Cl. 428-691.000.
Lindmayer, Joseph, 4,880,475, Cl. 427-69.000.
Soltani, Peter K.; Wrigley, Charles Y.; and Storti, George M., 4,855,879, Cl. 362-84.000.
Quantime, Inc.: *See—*
Hines, Robin H.; Glasscock, Michael R.; and Johnson, D. Bruce, 4,813,330, Cl. 84-483.00A.
Quantin, Daniele; and Galdon, Francisco, to Institut de Recherches de la Siderurgie Francaise. Process of protective coating of iron and steel products. 4,801,338, 1-31-89, Cl. 148-6.140.
Quantrille, Thomas E.; and Johnson, Dale H., to James River Corporation. Antimicrobially active, non-woven web used in a wet wiper. 4,837,079, 6-6-89, Cl. 428-288.000.
Quantum Chemical Corporation: *See—*
Busse, Paul J.; and Taggart, Douglas B., 4,822,578, Cl. 423-245.300.
Denney, Kimberly K.; and Block, Norman G., 4,854,942, Cl. 4 197.00R.
Jachec, Kevin V.; and Becker, Peter D., 4,842,947, Cl. 428-461.000.
Wild, Leslie; and Lee, Chun D., 4,840,996, Cl. 525-193.000.
Zilch, Karl T., 4,820,438, Cl. 252-108.000.
Quantum Conditioning Technology, Inc.: *See—*
Dalton, Danny L., 4,855,043, Cl. 210-190.000.
Quantum Corporation: *See—*
Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., 4,814,909, Cl. 360-78.070.
Brown, David A.; Daniels, Donald V.; and Harrison, Joel N., 4,872,074, Cl. 360-77.070.
Quantum Design: *See—*
Simmonds, Michael B.; and Sager, Ronald E., 4,848,093, Cl. 62-49.100.
Quantum Diagnostics Ltd.: *See—*
Birnbach, Curtis; and Hsu, Fu Kuo, 4,854,669, Cl. 350-162.120.
Birnbach, Curtis A.; and Heese, Richard N., 4,801,848, Cl. 315-5.410.
Quantum Dynamics Company, Inc.: *See—*
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Quantum Fund Limited, The: *See—*
Denyer, Peter B., 4,805,223, Cl. 382-4.000.
Quantum Group, Inc.: *See—*
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Quantum Laser Corporation: *See—*
Everett, Mark A., 4,804,815, Cl. 219-121.600.
Steen, William M.; and Weerasinghe, Vijitha M., 4,803,333, Cl. 219-121.840.
Quantum Medical Systems, Inc.: *See—*
Chesarek, Richard H., 4,888,694, Cl. 364-413.240.
Quaranti, Giovanni; Gillio, Claudio; and Bonmassari, Gianpaolo, to Ing. C. Olivetti & C., S.p.A. Correction device for typewriters. 4,806,03 2-21-89, Cl. 400-144.200.
Quarderer, George J.; Stevens, Rex R.; Cochran, Gene A.; and Murchison, Craig B., to Dow Chemical Company, The. Preparation of ethanol and higher alcohols from lower carbon number alcohols. 4,825,013, 4-25-89, Cl. 568-902.200.
Quarderer, George J.; Stone, Fred C.; Beitz, Mark J.; and O'Donnell, Patrick M., to Dow Chemical Company, The. Preparation of cyclobutarenes via the steam pyrolysis of aromatic derivatives. 4,851,603, 7-25-89, Cl. 585-410.000.
Quarendon, Peter, to International Business Machines Corporation. Method and system for solid modelling. 4,858,149, 8-15-89, Cl. 364-522.000.
Quarendon, Peter: *See—*
Johnson, Peter W.; and Quarendon, Peter, 4,814,755, Cl. 340-709.000.
Quarles, Carol A.: *See—*
Salaita, George N.; Quarles, Carol A.; Altman, Joseph C.; and Lehtihet, Hbbulhalin E., 4,853,537, Cl. 250-253.000.
Quarry Engineering Developments Pty. Ltd.: *See—*
MacOnochie, Ewen R. A., 4,838,363, Cl. 173-139.000.
Quarterdeck Office Systems: *See—*
Pope, Gary W., 4,823,108, Cl. 340-721.000.
Quarterman, Edward A. Air turbine. 4,863,350, 9-5-89, Cl. 416-193.00R.
Quartier, Eddy: *See—*
Crommelynck, Roger; and Quartier, Eddy, 4,825,926, Cl. 157-13.000.
Quartz Technology, Inc.: *See—*
Jung, Lothar, 4,818,510, Cl. 423-335.000.
Quartztronics, Inc.: *See—*
EerNisse, Errol P.; and Ward, Roger W., 4,837,475, Cl. 310-312.000.
Quarve, Vernon; McCormick, Dennis; and Kimber, Robert A., to Graco Inc. Liquid flow meter. 4,848,164, 7-18-89, Cl. 73-861.770.
Quarve, Vernon K.; and McCormick, Dennis L., to Graco Inc. Fluid dispensing device. 4,883,199, 11-28-89, Cl. 222-14.000.
Quash, Gerard A.; Rodwell, John D.; McKearn, Thomas J.; and Ripoll, Jean P., to Cytogen Corporation. Carbohydrate perturbations of viruses or viral antigens and utilization for diagnostic prophylactic and/or therapeutic applications. 4,853,326, 8-1-89, Cl. 435-5.000.
Quashnick, Terry: *See—*
Visalli, William R.; Saville, Duane E.; and Quashnick, Terry, 4,825,812, Cl. 119-64.000.
Quasney, Robert S., Sr., to Pace Incorporated. Cleaning unit for soldering iron or solder extractor tips. 4,803,748, 2-14-89, Cl. 15-104.920.
Quasnick, Robert J., to Corpal Systems, Inc. Corrugated construction pallet. 4,867,074, 9-19-89, Cl. 108-51.300.
Quast, Norbert: *See—*
Krumeich, Jorg H.; and Quast, Norbert, 4,884,570, Cl. 128-305.000.
Quataert, Pierre, to P. J. Zweegers en Zonen Landbouwmachinenfabriek B V. Roll baling press for harvest product. 4,841,851, 6-27-89, Cl. 100-5.000.
Quate, Calvin F., to Xerox Corporation. Polychromatic acoustic ink printing. 4,797,693, 1-10-89, Cl. 346-140.00R.
Quate, Calvin F., to Xerox Corporation. Perforated ink transports for acoustic ink printing. 4,801,953, 1-31-89, Cl. 346-140.00R.
Quatieri, Thomas F., Jr.; and McAulay, Robert J., to Massachusetts Institute of Technology. Audio pre-processing methods and apparatus. 4,856,068, 8-8-89, Cl. 381-47.000.
Quatieri, Thomas F., Jr.: *See—*
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Quatrino, Janet W. Word card game. 4,826,175, 5-2-89, Cl. 273-299.000.
Quatro, Robert A.; and Wilcox, Lawrence A., to Magnetic Peripherals Inc. Head/arm lock mechanism for a disk drive. 4,868,695, 9-19-89, Cl. 360-104.000.
Quatse, Jesse T.; Heitz, Lionel; Pergent, Jacky; and Penot, Olivier, to La Telemecanique Electrique. Error control apparatus using restore memory for recovering from parity discordances in transmissions between controller and real-time I/O devices. 4,864,531, 9-5-89, Cl. 364-900.000.
Quatse, Jesse T. Programmable controller ("PC") with co-processing architecture. 4,870,614, 9-26-89, Cl. 364-900.000.
Quax, Wilhelmus J.: *See—*
Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Garth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
Quay, Steven C.; and Worah, Dilip M., to Salutar, Inc. Paramagnetic contrast agents for MR imaging. 4,859,451, 8-22-89, Cl. 424-9.000.
Quay, Steven C.; and Rocklege, Scott M., to Salutar, Inc. Determination of fallopian tubal patency by magnetic resonance imaging. 4,863,716, 9-5-89, Cl. 424-9.000.
Quay, Steven C.: *See—*
Rocklage, Scott M.; and Quay, Steven C., 4,842,845, Cl. 424-1.100.
Quazi, Fazle S.; and Faberman, Ira S., to Etta Industries, Inc. Conversion circuit for limiting inrush current. 4,864,482, 9-5-89, Cl. 363-37.000.
Quealy, Judith F. Upper torso wearing apparel. 4,821,343, 4-18-89, Cl. 2-102.000.
Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., to Golden Star, Inc. Process for manufacture of closed end mops. 4,811,989, 3-14-89, Cl. 300-21.000.
Quearry, Robert W.; Chalfant, Robert D.; Chalfant, Richard W.; and Liggett, Robert E., to Golden Star, Inc. Process for manufacture of closed end wet mops. 4,811,990, 3-14-89, Cl. 300-21.000.
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Quedens, Phillipp J.: *See—*
Molnar, Arpad; Adams, Darwin P.; Dockendorff, James; Quedens, Phillipp J.; and Dutko, Peter J., 4,869,257, Cl. 128-660.100.
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Queen City Plastics, Inc.: *See—*
Mitchell, Robert A.; and Lavely, Thomas E., 4,829,145, Cl. 174-65.00G.
Queen, Robert A.; and Faloon, Michael D., to Collins & Aikman Corporation. Automotive trunk liner. 4,801,169, 1-31-89, Cl. 296-39.100.
Queener, Sherry F.: *See—*
Smith, James W.; Bartlett, Marilyn S.; and Queener, Sherry F., 4,835,140, Cl. 514-24.000.
Queener, Stephen W.: *See—*
Ingolia, Thomas D.; Queener, Stephen W.; Samson, Suellen M.; Skatrud, Paul L.; and Godfrey, Otis W., 4,885,251, Cl. 435-183.000.
Ingolia, Thomas D.; Queener, Stephen W.; Skatrud, Paul L.; and Wiegel, Barbara J., 4,885,252, Cl. 435-252.300.
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Kollerup, Finn; and Daugulis, Andrew J., 4,865,973, Cl. 435-43.000.
Wolfe, Saul; Westlake, Donald; and Jensen, Susan, 4,847,200, Cl. 435-43.000.
Quehen, Andre, to Clecim. Device for adjusting the profile of a roll with a deformable wall. 4,841,610, 6-27-89, Cl. 29-116.200.
Queirel, Joel. Device for thermoforming parts from synthetic material. 4,883,419, 11-28-89, Cl. 425-326.100.
Queiser, Horst; Meininger, Siegfried; Kleinschroth, Karl-Heinz; and Bege, Dietmar, to Siemens Aktiengesellschaft. Device for bonding wastes in a binder. 4,847,007, 7-11-89, Cl. 252-628.000.
Quelch, Alan R.: *See—*
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Quella, Ferdinand: *See—*
Budde, Klaus; Koch, Friedrich; and Quella, Ferdinand, 4,876,322, Cl. 526-242.000.
Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quella, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, 4,853,252, Cl. 427-53.100.
Quellette, Charles W.: *See—*
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Quelly, Michael L.: *See—*
Rocci, Joseph D.; and Quelly, Michael L., 4,810,898, Cl. 307-115.000.
Quemere, Eric: *See—*
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Quenard, Daniel: *See—*
Sallee, Hebert; and Quenard, Daniel, 4,817,436, Cl. 73-708.000.
Quenault, Maurice: *See—*
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Quenett, Rudolf: *See—*
Von Reis, Wolf; Derner, Paul; Quenett, Rudolf; and Armbruster, Guenter, 4,857,376, Cl. 428-83.000.
Quennessen, Rene, to AMS Packaging. Container closure. 4,832,220, 5-23-89, Cl. 215-331.000.
Quennessen, Rene, to AMS Packaging. Cosmetics box with improved closing means. 4,860,920, 8-29-89, Cl. 220-326.000.
Quennessen, Rene, to AMS Packaging. Distributor cap assembly for a pressurized container. 4,863,074, 9-5-89, Cl. 222-402.130.
Quenneville, Raymond N.: *See—*
Meistrick, Zdenek S.; and Quenneville, Raymond N., 4,838,516, Cl. 251-77.000.
Quential, Inc.: *See—*
Drucker, Steven H., 4,818,886, Cl. 250-566.000.
Drucker, Steven H., 4,831,275, Cl. 250-566.000.
Querleux, Bernard: *See—*
Yassine, Mohamed M.; Querleux, Bernard; Darrasse, Luc; Saint Jalmes, Herve; Taquin, Jacques; Sauzade, Michel; and Leveque, Jean-Luc, 4,870,363, Cl. 324-318.000.
Quermann, Thomas R., to Unisys Corporation. Gyrocompass. 4,838,099, 6-13-89, Cl. 74-5.470.
Quernemoen, Daniel R., to Fluoroware, Inc. Reinforced carrier with embedded rigid insert. 4,872,554, 10-10-89, Cl. 206-454.000.
Queromes, Armel: *See—*
Kerherve, Jean-Pierre; and Queromes, Armel, 4,812,332, Cl. 427-168.000.
Query, Daniel S.; and Zummer, Linda A., to Whirlpool Corporation. Fiber optic door sensor for a domestic appliance. 4,812,810, 3-14-89, Cl. 340-545.000.
Query, Daniel S., to Whirlpool Corporation. Frost sensor for an appliance. 4,860,551, 8-29-89, Cl. 62-140.000.
Query, Daniel S.: *See—*
Marcade, Roque Denis; and Query, Daniel S., 4,820,934, Cl. 307-41.000.
Query, Frances L. Appartus and method for reflection free photography. 4,847,663, 7-11-89, Cl. 355-70.000.
Quesnel, Guy C.: *See—*
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Quest Medical, Inc.: *See—*
Abbott, Martyn S., 4,840,542, Cl. 417-9.000.
Quest Systems, Inc.: *See—*
Shkolnik, Nikolay, 4,862,980, Cl. 180-8.200.
Questech Limited: *See—*
Barton, Nicholas; and Billing, Robert, 4,847,691, Cl. 358-160.000.
Barton, Nicholas; Billing, Robert; and Burgess, Paul K., 4,879,597, Cl. 358-88.000.
QuesTech Ventures Inc.: *See—*
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Questel, John M.: *See—*
Sablotsky, Steven; Questel, John M.; and Leeson, Dorothy J., 4,814,168, Cl. 424-78.000.
Questel, Roger; and Seidman, Gene P. Home organizer. 4,803,795, 2-14-89, Cl. 40-124.200.

Quets, Jean M.: *See—*
Jackson, John E.; Meyerhoff, Robert W.; Price, Marianne O.; and Quets, Jean M., 4,826,734, Cl. 428-472.000.
Quetsch, Karl-Heinz; and Vetter, Hennig, to Vetter Maschinenfabrik GmbH. Press for expressing liquids from substances containing them, especially musts. 4,872,404, 10-10-89, Cl. 100-125.000.
Queuche, Sylvie: *See—*
Girardeau, Yvette; Gaudinet, Patrick; and Queuche, Sylvie, 4,867,972, Cl. 424-81.000.
Queval, Bruno: *See—*
Billarant, Patrick J.; and Queval, Bruno, 4,802,939, Cl. 156-155.000.
Quevedo Del Rio, Federico. Self-pressurized shaft or closure seal. 4,795,171, 1-3-89, Cl. 277-106.000.
Quick, David C., to Sundstrand Corp. Variable stiffness support ring. 4,843,912, 7-4-89, Cl. 74-801.000.
Quick, Edward E.: *See—*
Stautzenberger, A. Lee; Langford, Ellen A.; and Quick, Edward E., 4,868,324, Cl. 560-78.000.
Quick, Freddie W. Trawl door. 4,879,830, 11-14-89, Cl. 43-9.700.
Quick, Harry C.: *See—*
Milliser, Charles E.; Karalevicz, John M.; and Quick, Harry C., 4,880,323, Cl. 400-196.100.
Quick, Lee T.; and Steiner, Walter R., to General Electric Company. Computer image generation with topographical response. 4,868,771, 9-19-89, Cl. 364-578.000.
Quick, Thomas J., to University of Akron, The. Battery powered vacuum unit. 4,863,593, 9-5-89, Cl. 210-136.000.
Quickert, Stephen C.: *See—*
Lippincott, Howard C.; Quickert, Stephen C.; and Gundlach, Larry C., 4,820,536, Cl. 426-412.000.
Quickie Manufacturing Company, Inc.: *See—*
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Quiel, John M., to Westinghouse Electric Corp. Waste disposal system. 4,840,130, 6-20-89, Cl. 110-234.000.
Quigg, Fred L., to Polyfet RF Devices, Inc. Low loss FET. 4,866,492, 9-12-89, Cl. 357-23.400.
Quigg, Fred L., to Polyfet Re Devices, Inc. Method of forming a low loss FET. 4,877,749, 10-31-89, Cl. 437-41.000.
Quigley Company, Inc.: *See—*
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Neville, David I.; Herberger, William E.; and Colavito, Dominick M., 4,843,044, Cl. 501-111.000.
Quigley, John H.; and Feller, Roger K., to Ford Motor Company. Engine control system with adaptive air charge control. 4,879,656, 11-7-89, Cl. 364-431.050.
Quigley, Joseph R. Premelted synthetic slag for ladle desulfurizing molten steel. 4,795,491, 1-3-89, Cl. 75-257.000.
Quigley, Joseph R. Method of ladle desulfurizing molten steel. 4,853,034, 8-1-89, Cl. 75-58.000.
Quigley, Robert M.: *See—*
Inculet, Ion I.; and Quigley, Robert M., 4,808,849, Cl. 307-400.000.
Quigley, Steven F.: *See—*
Baird, James C.; Japikse, Cornelis H.; Quigley, Steven F.; and Simpson, Edward J., 4,846,359, Cl. 215-12.200.
Quigley, Vincent P.; and Jorkasky, Richard J., II, to Standard Oil Company, The. Process for neutralizing crosslinked poly (acrylic acid). 4,888,367, 12-19-89, Cl. 524-17.000.
Quignard, Francoise: *See—*
Basset, Jean-Marie; Leconte, Michel; Ollivier, Jean; and Quignard, Francoise, 4,861,848, Cl. 526-169.000.
Laval, Jean-Paul; Leconte, Michel; Ollivier, Jean; Perez, Emile; Quignard, Francoise; and Rico, Isabelle, 4,837,188, Cl. 502-107.000.
Quignon, Thierry: *See—*
Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre ; Quignon, Thierry; and Romann, Brigitte, 4,885,756, Cl. 375-82.000.
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Quillardet, Philippe: *See—*
Hofnung, Maurice; Quillardet, Philippe; Perrin, David; Huisman, Olivier; and D'Ari, Richard, 4,849,335, Cl. 435-6.000.
Quillen, Paul, to Union Tool Corporation. Vacuum debubbler machine. 4,869,198, 9-26-89, Cl. 118-50.000.
Quilliam, Gregory A.: *See—*
Lawson, Terence M.; and Quilliam, Gregory A., 4,820,618, Cl. 430-45.000.
Quimby, Bruce A.: *See—*
Baszczuk, Christopher M.; and Quimby, Bruce A., 4,810,288, Cl. 75-0.50B.
Quimby, Harold L. Pier for supporting a load such as a foundation wall. 4,838,737, 6-13-89, Cl. 405-230.000.
Quimby, Paul C., Jr.: *See—*
Marois, James J.; Fravel, Deborah R.; Connick, William J., Jr.; Walker, H. Lynn; and Quimby, Paul C., Jr., 4,818,530, Cl. 424-93.000.
Quimica Organica De Mexico, S.A. De C.Y.: *See—*
Cazares, Arturo S., 4,842,696, Cl. 203-49.000.
Quinby, Thomas C., to United States of America, Energy. Method for producing refractory nitrides. 4,800,183, 1-24-89, Cl. 501-96.000.
Quincey, David G., to Q.S. International, Ltd. Wristwatch guard. 4,835,750, 5-30-89, Cl. 368-286.000.
Quincy Technologies, Inc.: *See—*
Carlson, John H., 4,817,457, Cl. 74-640.000.
Quine, John P.: *See—*
Webster, Harold F.; and Quine, John P., 4,831,497, Cl. 361-406.000.

Quinlan, George L., to Prillaman Chemical Corporation. Waterborne nitrocellulose compositions. 4,814,015, 3-21-89, Cl. 106-170.000.
Quinlan, Kenneth P., to United States of America, Air Force. Vapor phase epitaxy-hydride technique with a constant alloy source for the preparation of InGaAs layers. 4,888,303, 12-19-89, Cl. 437-81.000.
Quinlan, Michael A.; Ramanathan, Ramamurthy; and Wise, Henry, to SRI-International. Selective perovskite catalysts to oxidize ammonia to nitric oxide. 4,812,300, 3-14-89, Cl. 423-404.000.
Quinlan, Raymond J.: *See—*
Bradbury, Roderick S.; Quinlan, Raymond J.; and Most, Brian H., 4,865,842, Cl. 424-93.000.
Quinlan, Robert L., Jr.; and Jankowski. Mark D., to Gerber Products Company, Inc. Pivoting removable tray/restraint for baby carrier. 4,795,209, 1-3-89, Cl. 297-153.000.
Quinlan, Thomas, to Automatic Toll Systems, Inc. Counterfeit coin detector circuit. 4,846,332, 7-11-89, Cl. 194-317.000.
Quinlan, Thomas J., Jr., to Automatic Toll Systems, Inc. Coin testing apparatus. 4,845,994, 7-11-89, Cl. 73-163.000.
Quinlivan, Gerald J.: *See—*
Farris, Richard D.; Luebbe, John P.; and Quinlivan, Gerald J., 4,822,603, Cl. 424-66.000.
Quinn, Antony W., to Carefree/Scott Fetzer Company. Travel lock for retractable awning. 4,819,706, 4-11-89, Cl. 160-67.000.
Quinn, Antony W.: *See—*
Watson, Carl C.; and Quinn, Antony W., 4,819,707, Cl. 160-67.000.
Quinn, Arthur A.: *See—*
Nollen, Dennis A.; and Quinn, Arthur A., 4,888,091, Cl. 162-109.000.
Quinn, Candace J.: *See—*
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Quinn, Charles F.; and Young, Thomas E., to Easter Seal Society of Michigan, Inc. Modular ramp. 4,807,317, 2-28-89, Cl. 14-69.500.
Quinn, Daniel M., to American Wholesale Packaging, Inc. Method of packaging a desk. 4,878,334, 11-7-89, Cl. 53-399.000.
Quinn, David B.: *See—*
Dinger, Bruce R.; McClanahan, Mark R.; Quinn, David B.; and Kennard, Frederick, 4,860,499, Cl. 51-165.740.
Quinn, David G.; Edwards, Robert B., II; and Andersen, Erik, to Corpak, Inc. Device for intubation of percutaneous endoscopic ostomy. 4,795,430, 1-3-89, Cl. 604-97.000.
Quinn, David G.; Edwards, Robert B., II; Andersen, Erik; and Thompson, Michael Q., to Corpak, Inc. Tube fixation device. 4,834,712, 5-30-89, Cl. 604-175.000.
Quinn, John A.: *See—*
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Quinn, John D.: *See—*
Collins, Robert T.; Quinn, John D.; and Fidrych, Stephen A. 4,879,635, Cl. 361-391.000.
Quinn, Michael H.; and Quinn, Paul H. Traction control system. 4,852,949, 8-1-89, Cl. 303-100.000.
Quinn, Pat A.; and Billings, Scott C., to Gates Formed-Fibre Products Inc. Foldable rigidified textile panels. 4,837,066, 6-6-89, Cl. 428-95.000.
Quinn, Paul H.: *See—*
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Groves, John T.; and Quinn, Robert, 4,822,899, Cl. 549-533.000.
Quinn, Robert E., to Lubrizol Corporation, The. Aminoplast catalysts and compositions. 4,843,126, 6-27-89, Cl. 525-162.000.
Quinn, Robert L.: *See—*
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Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,851,833, Cl. 340-722.000.
Wisneski, Leonard J., Jr.; Govekar, Craig F.; Lindhard, Gordon; and Quinn, Robert O., 4,804,921, Cl. 324-394.000.
Quinn, Sharon A.: *See—*
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Quinn, William E.: *See—*
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Quinn, Yolanda P.: *See—*
Uster, Paul S.; and Quinn, Yolanda P., 4,828,837, Cl. 424-450.000.
Quinn's Oilfield Supply Ltd.: *See—*
Bear, William H., 4,844,752, Cl. 148-150.000.
Quinoa, Emilio: *See—*
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Quinones, Juan A.; and Quinones, Nancy. Hair comb attachment for precise haircutting and trimming. 4,830,031, 5-16-89, Cl. 132-214.000.
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Quinones, Juan A.; and Quinones, Nancy, 4,830,031. Cl. 132-214.000.

Quinquis, Jean-Paul; and Lespagnol, ALbert, to L'Etat Francais represente par le Ministre des PTT; and Centre National d'Etudes des Telecommunications. System for changing priority of information. 4,864,560, 9-5-89, Cl. 370-60.000.
Quinquis, Jean-Paul: *See—*
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Quint, Jeanne M.; and Tomaszewski, Isabel B., to Wang Laboratories, Inc. Apparatus and method for control of one computer system by another computer system. 4,882,674, 11-21-89, Cl. 364-200.000.
Quint, Randall H.; Swenson, Richard F.; and Wong, David M., to Mallinckrodt, Inc. System for generating and containerizing radioisotopes. 4,833,329, 5-23-89, Cl. 250-432.0PD.
Quint, Robert H.: *See—*
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Morris, David L.; Filip, Mihail; D'Amelio, Frank D.; Esposito, Dominick G.; and Quint, Robert H., 4,874,364, Cl. 604-35.000.
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Quintana, Ronald P.: *See—*
Lasslo, Andrew; Quintana, Ronald P.; Dugdale, Marion; and Johnson, Randy W., 4,798,830, Cl. 514-314.000.
Quintana, Ross. Broad angle rear view mirror assembly. 4,824,231, 4-25-89, Cl. 350-632.000.
Quintech Corporation: *See—*
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Quintero, Lirio: *See—*
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Belloc, Jacques; Godard, Dominique; Morlec, Emile; and Quintin, Michel, 4,887,258, Cl. 370-32.100.
Quinton, Walter L.: *See—*
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Quintron, Inc.: *See—*
Kornacker, Karl; and Monroe, Marvin E., 4,832,480, Cl. 351-246.000.
Quintus, John J.; and Sheehan, Michael S., to Archive Corporation. Compensation circuit for nullifying differential offset voltage and regulating common mode voltage of differential signals. 4,833,418, 5-23-89, Cl. 330-9.000.
Quinty, Christian: *See—*
Gombert, Jean; Quinty, Christian; Gazard, Maryse; and Blaison, Serge, 4,853,258, Cl. 427-169.000.
Quinzio, Giovanni: *See—*
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Quipp Incorporated: *See—*
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Quirchmayr, Gerhard; Gruber, Friedrich; and Knippitsch, Stefan, to Jenbacher Werke Aktiengesellschaft. Arrangement for regulating the combustion air proportions. 4,867,127, 9-19-89, Cl. 123-527.000.
Quiring, Bernd: *See—*
Kress, Hans-Jurgen; Wittmann, Dieter; Quiring, Bernd; Peters, Horst; and Schoeps, Jochen, 4,826,918, Cl. 525-67.000.
Quirk, Jennifer M.; Carter, Charles G.; and Kupper, Robert J., to W. R. Grace & Co.-Conn. N-formylation of amino carboxylates with alkyl formates. 4,801,742, 1-31-89, Cl. 562-450.000.
Quirk, Jennifer M.; and Kanner, Bernard, to Union Carbide Corporation. Process for producing epoxyorganoalkoxysilanes. 4,804,768, 2-14-89, Cl. 549-215.000.
Quirk, Jennifer M., to W. R. Grace & Co.-Conn. Process for the preparation of nitroolefins. 4,861,925, 8-29-89, Cl. 568-942.000.
Quirk, Jennifer M.; and Carter, Charles G., to W. R. Grace & Co.-Conn. Preparation of nitroesters via the reaction of nitroparaffins with cyanoformates. 4,873,358, 10-10-89, Cl. 560-22.000.
Quirk, Jennifer M.: *See—*
Kupper, Robert J.; Jachimowicz, Felek; Quirk, Jennifer M.; and Hakansson, Christer L., 4,851,588, Cl. 568-713.000.
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Quirk, John T., Jr.: *See—*
Talmage, John E., Jr.; and Quirk, John T., Jr., 4,822,957, Cl. 178-18.000.
Quirk, Michael J.; and Drake, Timothy E., to Renold, Inc. Shaker. 4,870,870, 10-3-89, Cl. 74-61.000.
Quiroz, Roberto. Intravaginal device. 4,875,490, 10-24-89, Cl. 128-830.000.
Quis, Peter: *See—*
Klesse, Wolfgang; Auer, Heinz-Jochen; and Quis, Peter, 4,847,309, Cl. 523-139.000.
Quisenberry, Tony M.; and Wahlenmeier, Fred E., to Winfield Corporation. Receptacle for receiving infectious waste material. 4,874,103, 10-17-89, Cl. 220-1.00T.

Quist, Steven M.: *See—*
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Quist, William E.: *See—*
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Quittkat, Joerg; and Thiel, Gerhard, to Siemens Aktiengesellschaft. Monitoring system for electrodynamic wall-thickness and defect testing using a delay line. 4,882,539, 11-21-89, Cl. 324-229.000.
Quittkat, Jorg: *See—*
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Quittmann, Wilhelm: *See—*
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Quittner, John P. Tab depositing dispenser. 4,869,775, 9-26-89, Cl. 156-542.000.
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Qureshi, Humayun; Liffmann, Stanley M.; Webster, Milo E.; and Geiselman, Theodore S., to Fisher Scientific Company. Analysis system. 4,859,422, 8-22-89, Cl. 422-81.000.
Qureshi, Javaid I.; Kaufman, Roland H.; Anderson, Michael E.; and Spahr, William L., to Westinghouse Electric Corp. Hardsurfaced power-generating turbine components and method of hardsurfacing metal substrates using a buttering layer. 4,814,236, 3-21-89, Cl. 428-678.000.
Qureshi, Shahid P., to Amoco Corporation. Thermoset composition comprising aromatic cyanate ester of allyl ether of bisphenol. 4,861,823, 8-29-89, Cl. 524-606.000.
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R. A. Hanson Company, Inc.: *See—*
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Hanson, Raymond A.; and Crockett, Wayne, 4,849,097, Cl. 209-425.000.
Hanson, Raymond A., 4,871,213, Cl. 299-64.000.
R. A. Jones & Co. Inc.: *See—*
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Froese, Richard J.; Leonhardt, Mark A.; and Roy, Michael J., 4,848,421, Cl. 141-114.000.
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R A Nova Inc.: *See—*
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R. A. Tracer Service Ltd.: *See—*
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R. Alkan & Cie: *See—*
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R. B. Industries, Inc.: *See—*
Rice, Verle; Curtis, William; Keener, Richard; and Raffurty, Robert, 4,838,138, Cl. 83-698.000.
R & B Machine Tool Company: *See—*
Corson, James R.; Hubbard, Benjamin W.; and Steinaway, Veryl F., 4,807,353, Cl. 29-568.000.
R B & W Corporation: *See—*
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R & D Associates: *See—*
Bordeaux, Theodore A., 4,852,170, Cl. 381-41.000.
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R D B Plastotecnica S.p.A.: *See—*
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R.E.IN. S.p.A.: *See—*
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R. E. Phelon Company, Inc.: *See—*
Piteo, Michael J., 4,819,116 Cl. 361-18.000.
Williams, Roger W., Jr., 4,856,984, Cl. 431-30.000.
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Schmidt, Martin; Mayr, Karl-Heinz; and Fobbe, Fritz, 4,841,617, Cl. 29-157.3AH.
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- R. J. Brunfeldt Company, Inc.: *See—*
  - Brunfeldt, Robert J.; and Jackson, James C., 4,879,458, Cl. 250-288.000.
- R.J.F. International Corporation: *See—*
  - Kuan, Jeremy T. H.; Hopkins, Mary E.; and Varga, Richard S., 4,833,194, Cl. 524-525.000.
- R & J Orwig, Inc.: *See—*
  - Lane, Larry G.; and Orwig, Raymond L., 4,846,053, Cl. 99-339.000.
- R. J. Reynolds Tobacco Company: *See—*
  - Allen, John S.; Butler, John P.; and Phillips, Floyd L., Jr., 4,852,734, Cl. 206-273.000.
  - Banerjee, Chandra K.; Kay, Deborah C.; and Lehman, Richard L., 4,827,950, Cl. 131-335.000.
  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
  - Banerjee, Chandra K.; and Shelar, Gary R., 4,858,630, Cl. 131-364.000.
  - Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.; Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.
  - Bernasek, Edward; Bridle, Kenneth A.; Clapp, William L.; and Fagg, Barry S., 4,887,618, Cl. 131-297.000.
  - Burcham, Walter E., Jr.; and French, Wilbur J., Jr., 4,887,619, Cl. 131-305.000.
  - Butler, John P., 4,865,198, Cl. 206-459.000.
  - Clearman, Jack F.; Furin, Olivia P.; Chiou, Joseph J.; and Squires, William C., 4,881,556, Cl. 131-359.000.
  - Deal, Philip A., 4,809,718, Cl. 131-336.000.
  - Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., 4,880,018, Cl. 131-375.000.
  - Green, Carl C., Jr.; Welch, John D.; Hauser, Henry A.; and Frye, Diane R., 4,862,905, Cl. 131-84.100.
  - Greene, Carl C., Jr.; and Warden, Joseph H., 4,850,301, Cl. 118-255.000.
  - Hensgen, Gerhard; Steiniger, Wolfgang; Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, 4,870,748, Cl. 29-773.000.
  - Langley, William H.; Yeatts, Roy E.; Hein, Carl C., III; and Koschak, Matthew S., 4,807,745, Cl. 206-2[illegible]5.000.
  - Lawson, Jerry W.; Bullings, Bruce R.; and Perfetti, Thomas A., 4,830,028, Cl. 131-352.000.
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  - Leonard, Gerard E., 4,867,179, Cl. 131-96.000.
  - Lowry, Gerald R., 4,870,980, Cl. 131-296.000.
  - Norman, Alan B.; Griffith, David W., Jr.; Holt, Dewey L.; Reynolds, John H., IV; and Sears, Stephen B., 4,858,628, Cl. 131-329.000.
  - Pryor, James W.; Nelson, John L.; and Marritt, Clifford R., 4,807,809, Cl. 131-84.100.
  - Pryor, James W.; Raker, Mark L.; Sensabaugh, Andrew J., Jr.; and Hauser, Henry A., 4,889,143, Cl. 131-331.000.
  - Roberts, Donald L.; Morrison, Carl C.; Brooks, Johnny L.; Crooks, Evon L.; and Ingebrethsen, Bradley J., 4,819,665, Cl. 131-195.000.
  - Roberts, Donald L.; and Boldridge, David W., 4,867,182, Cl. 131-339.000.
  - Shelar, Gary R.; and Bullings, Bruce R., 4,819,668, Cl. 131-371.000.
  - Stuhl, Oskar; and Wenzel, Klaus-Dieter, 4,821,747, Cl. 131-299.000.
  - Toft, Howard C.; Smith, Kenneth W.; and Carpenter, Carolyn R., 4,821,749, Cl. 131-575.000.
  - White, Kenneth W.; Dominguez, Luis M.; and McConnell, Bain C., 4,845,374, Cl. 250-560.000.
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  - Rydeen, Robert J., 4,873,797, Cl. 52-93.000.
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  - Lulich, John F., 4,875,551, Cl. 184-6.300.
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  - Lulich, John F., 4,816,793, Cl. 335-104.000.
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- R. P. Scherer Corporation: *See—*
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  - Hom, Foo S.; and Ebert, William R., 4,800,083, Cl. 424-457.000.
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  - Hastie, Ronald W., 4,844,433, Cl. 270-54.000.
  - Hastie, Ronald W., 4,869,484, Cl. 270-54.000.
  - Kage, Hermann J.; Detterman, Don E.; Eden, Wade A.; and Chapman, Alex B., 4,823,150, Cl. 346-146.000.
  - Podolak, J. B.; and Saluski, Ronald B., 4,816,829, Cl. 341-122.000.
  - Riley, Prince I., 4,796,180, Cl. 364-400.000.
  - Schniter, Jorg, 4,872,797, Cl. 412-25.000.
  - Wouch, Gerald L.; and Procknow, Gary, 4,817,527, Cl. 101-389.100.
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- R. Spane GmbH & Co. KG: *See—*
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  - Karol, Thomas J., 4,795,479, Cl. 44-63.000.
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- Raab, Anthony R.; Thorpe, William; and Healy, Thomas P. G., to Com Dev Ltd. Frequency-scanning radiometer. 4,864,308, 9-5-89, Cl. 342-351.000.
- Raab, Anthony R., to COM DEV Ltd. Electronically scanned radar system. 4,868,574, 9-19-89, Cl. 342-81.000.
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  - Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, 4,809,830, Cl. 192-3.290.
- Raab, John J., to Conair Corporation. Thermally-insulated curling iron. 4,877,942, 10-31-89, Cl. 219-225.000.
- Raab, Rudolf; Herold, Manfred; and Hummel, Peter. Clamping sheet gripper for a sheet-fed rotary printing press. 4,813,353, 3-21-89, Cl. 101-410.000.
- Raabe, Erich, to Raco-Maschinenfabrik GmbH & Co. KG. Palletizing apparatus for web stock and the like. 4,834,359, 5-30-89, Cl. 270-31.000.
- Raabe, Otto G.; and Lee, James I. C., to Vortran Medical Technology, Inc. Intermittent signal actuated nebulizer. 4,832,012, 5-23-89, Cl. 128-200.210.
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- Raad, Bernard A.; and Dolan, Clarence F., to Sundstrand Corporation. Starting system and method using a hybrid permanent magnet/induction machine. 4,830,412, 5-16-89, Cl. 290-31.000.
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- Raasch, Hans, to W. Schlafhorst & Co. Open-end rotor spinning device with improved twist choking member. 4,843,812, 7-4-89, Cl. 57-417.000.
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- Rabe, George B., to Foster Wheeler Energy Corporation. Rotary cutting tool device and method for use. 4,819,525, 4-11-89, Cl. 82-1.110.
- Rabe, George B., to Foster Wheeler Energy Corporation. Remotely operated rotary tube cleaning system and method. 4,846,895, 7-11-89, Cl. 134-22.110.
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- Rabe, Robert L., to Honeywell, Inc. Charge disturbance resistant logic circuits utilizing true and complement input control circuits. 4,833,347, 5-23-89, Cl. 307-443.000.
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  - Lee, Kang W.; and Rabe, Robert L., 4,884,238, Cl. 365-105.000.
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  - Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.
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- Rabenecker, Horst; and Kruger, Jurgen, to Dragerwerk Aktiengesellschaft. Folded record medium and a blank for a record medium. 4,856,818, 8-15-89, Cl. 283-34.000.
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- Raber, Peter E.; and Wisnieff, Robert E., to United Technologies Corporation. Reflection-enhanced flat panel display. 4,803,402, 2-7-89, Cl. 313-509.000.
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- Rabideau, Brian; Laughlin, William D.; Kissman, Kenneth; and Nicowski, Anthony T., to Vision II Technology Inc. Information storage system. 4,885,771, 12-5-89, Cl. 379-354.000.
- Rabideau, Phillip A. Diving plug fish lure. 4,796,379, 1-10-89, Cl. 43-42.480.
- Rabideau, Phillip A. Weedless roll-over lure apparatus and method. 4,858,367, 8-22-89, Cl. 43-42.250.
- Rabiger, Jurgen, to Kernforschungsanlage Julich GmbH. Method of and apparatus for digitally setting a control frequency. 4,851,783, 7-25-89, Cl. 328-15.000.
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- Rabinkin, Anatol, to Allied SIgnal Inc. Flexible multilayered brazing materials. 4,871,622, 10-3-89, Cl. 428-576.000.
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- Rabinovich, Eliezer M., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fabrication of high-silica glass article. 4,840,653, 6-20-89, Cl. 65-3.120.
- Rabinow, Jacob. Lock with key isolation using transfer tumblers. 4,796,447, 1-10-89, Cl. 70-495.000.
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- Rabinow, Jacob. Key for flat tumblers. 4,825,672, 5-2-89, Cl. 70-377.000.
- Rabinowitz, Dan; and Saeli, John, to Medi-Tech, Inc. Control apparatus for a lighted, hand held, surgical electrode holder. 4,856,514, 8-15-89, Cl. 128-303.140.
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- Rabipour, Rafi; Beyrouti, Michael G.; and Mermelstein, Paul, to Northern Telecom Limited. LPC-based DTMF receiver for secondary signalling. 4,853,958, 8-1-89, Cl. 379-386.000.
- Rabjohn, Gordon G., to Northern Telecom Limited. Balanced planar transformers. 4,816,784, 3-28-89, Cl. 333-24.00R.
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  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
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  - Long, Gary N.; Pellet, Regis J.; and Rabo, Jule A., 4,803,184, Cl. 502-63.000.
  - Miller, James G.; Pellet, Regis J.; Shamshoum, Edwar S.; and Rabo, Jule A., 4,803,185, Cl. 502-65.000.
  - Miller, James G.; and Rabo, Jule A., 4,874,732, Cl. 502-74.000.
  - Miller, James G.; and Rabo, Jule A., 4,874,733, Cl. 502-74.000.
  - Miller, James G.; Pellet, Regis J.; Shamshoum, Edwar S.; and Rabo, Jule A., 4,889,616, Cl. 208-114.000.
  - Pellet, Regis J.; Gortsema, Frank P.; Long, Gary N.; and Rabo, Jule A., 4,804,647, Cl. 502-66.000.
  - Pellet, Regis J.; Coughlin, Peter K.; and Rabo, Jule A., 4,814,316, Cl. 502-214.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,842,714, Cl. 208-114.000.
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Bauerle, David D.; and Rabotnick, Barry I., 4,802,902, Cl. 55-484.000.

Rabourn, William B.; and Heckart, Daniel R., to Rabourn, William B. Apparatus for buffing and otherwise treating vehicle bodies. 4,876,760, 10-31-89, Cl. 15-97.00B.

Rabren, Michael S. Solvent for porous mass acetylene containers. 4,800,930, 1-31-89, Cl. 141-9.000.

Rabska, William G. Fire hose backpack frame. 4,858,797, 8-22-89, Cl. 224-162.000.

Rabson, Thomas A. In-well submersible motor with stacked component stator. 4,815,949, 3-28-89, Cl. 417-417.000.

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Raby, Joseph S., to Harris Corporation. Bonding technique to join two or more silicon wafers. 4,854,986, 8-8-89, Cl. 156-87.000.

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Biette, Douglas S.; Clark, Steven D.; Raby, Max E., Jr.; and Lewis, George R., 4,801,815, Cl. 307-112.000.

Raby, Pamela F.: *See—*

Wechsler, Susan L.; Evett, Eric A.; and Raby, Pamela F., 4,843,590, Cl. 364-900.000.

Raby, Philip D.: *See—*

Robinson, Peter M.; Raby, Philip D.; and Van-Det, Nguyen, 4,845,138, Cl. 524-112.000.

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Andrews, Christopher J., 4,890,300, Cl. 375-60.000.

Racal Data Communications Inc.: *See—*

Albal, Nandakishore A.; and Goyal, Praduemn K., 4,821,265, Cl. 370-110.100.

Buron, Douglas J.; Steinman, Sheldon; and Wray, Donald L., 4,858,070, Cl. 361-384.000.

Donaghue, Norman J., Jr.; Jayapalan, Jay P.; and Salcedo, Rafael E., 4,835,769, Cl. 370-85.000.

Huang, Zheng F., 4,811,342, Cl. 370-32.100.

Kao, Ming-Luh, 4,815,109, Cl. 375-107.000.

Martinez, Aldo A., 4,797,898, Cl. 375-7.000.

Martinez, Aldo A., 4,823,382, Cl. 379-411.000.

Miller, Jerry A., 4,805,215, Cl. 379-411.000.

Miller, William J., 4,800,518, Cl. 364-819.000.

Srinivasagopalan, Rangarajan; and Pruett, James D., 4,807,230, Cl. 371-46.000.

Wray, Donald L., 4,817,865, Cl. 236-49 500.

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Galloway, John L., 4,843,244, Cl. 250-342.000.

Racal-Guardata Limited: *See—*

Beker, Henry J.; Halliden, Paul W.; and Friend, John M. K., 4,890,323, Cl. 380-25.000.

Raccah, Paul M.: *See—*

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Michel, Christian G.; Schachter, Rozalie; Kuck, Mark A.; Baumann, John A.; and Raccah, Paul M., 4,822,581, Cl. 423-302.000.

Race, Bryan, to Materials and Methods Limited. Metal treatment vessel and method. 4,869,388, 9-26-89, Cl. 220-20.500.

Racely, Kermit L.: *See—*

Foster, Michael M.; and Racely, Kermit L., 4,798,267, Cl. 187-28.000.

Raceway Components, Inc.: *See—*

Castellani, Norman; Holland, Robert C.; and Holland, Gerard, 4,827,080, Cl. 174-48.000.

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Frerichs, Udo; and Rach, Heinz-Dieter, 4,825,924, Cl. 152-540.000.

Frerichs, Udo; Boltze, Carsten; Rach, Heinz-Dieter; and Klose, Hans-Ulrich, 4,865,532, Cl. 425-11.000.

Seitz, Hans; Rach, Heinz-Dieter; Pieper, Henner; and Frerichs, Udo, 4,850,411, Cl. 152-379.300.

Rach, Petra: *See—*

Bittler, Dieter; Laurent, Henry; Nickisch, Klaus; and Rach, Petra, 4,859,659, Cl. 514-177.000.

Rachel, Jane M.: *See—*

Sinor, Lyle T.; Plapp, Frederick V.; and Rachel, Jane M., 4,816,413, Cl. 436-520.000.

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Rachev, Marko I., to Marken Tool Company. Drill bit. 4,802,799, 2-7-89, Cl. 408-144.000.

Rachholz, Josef: *See—*

Melde-Tuczai, Helmut; Skatsche, Othmar; and Rachholz, Josef, 4,836,171, Cl. 123-508.000.

Rachi, Masahiro, to Canon Kabushiki Kaisha. Display device with color correction. 4,857,900, 8-15-89, Cl. 340-703.000.

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Igaki, Masahiko; Rachi, Masahiro; and Maekawa, Tomohiro, 4,820,918, Cl. 250-231.0SE.

Rachman, Isadore B. Portable wheelchair lift. 4,830,567, 5-16-89, Cl. 414-678.000.

Rachmat, Jatni: *See—*

Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, 4,882,137, Cl. 424-423.000.

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Erdelitsch, Herbert; Machalitzky, Otto; and Rachner, Horst, 4,882,457, Cl. 200-61.540.

Racicot, Dale F.; Ten Broeck, Dirk P.; and Aviles, Robert C., to Dataproducts Corporation. Head tending system for purging and cleaning an ink jet print head. 4,829,318, 5-9-89, Cl. 346-1.100.

Racine, John P. Balanced cookware construction. 4,845,893, 7-11-89, Cl. 99-422.000.

Racine, Marsh V. Computer aided coordinate digitizing system. 4,811,243, 3-7-89, Cl. 364-520.000.

Racine, Philippe: *See—*

Joulain, Daniel; Racine, Philippe; and Maire, Francoise, 4,840,792, Cl. 424-76.100.

Racine, Roland: *See—*

Guarnori, Manuel, 4,875,648, Cl. 248-125.000.

Racing Tack Srl: *See—*

Pirotta, Angelo, 4,850,181, Cl. 54-22.000.

Rackin, Mark H., to Solid State Systems, Inc. Receiver data gate with automatic gain control. 4,852,087, 7-25-89, Cl. 370-76.000.

Rackind, Malcolm I. Induction heater for drums. 4,870,239, 9-26-89, Cl. 219-10.750.

Rackley, Robert L., to Du Pont de Nemours, E. I., and Company. Orthodontic ligature. 4,867,679, 9-19-89, Cl. 433-15.000.

Raco-Maschinenfabrik GmbH & Co. KG: *See—*

Raabe, Erich, 4,834,359, Cl. 270-31.000.

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Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, 4,826,863, Cl. 514-395.000.

Raczkowski, Jan, to Technicon Instruments Corporation. Method for drawing thermoplastic tubing. 4,857,247, 8-15-89, Cl. 264-40.700.

Raczkowski, Romuald. Potted plant feeder. 4,805,804, 2-21-89, Cl. 222-54.000.

Raczkowski, Romuald. Cutting blade lubrication. 4,807,361, 2-28-89, Cl. 30-123.[illegible]

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Rad Elec Inc.: *See—*

Dempsey, John C.; and Kotrappa, Payasada, 4,814,608, Cl. 250-253.000.

Dempsey, John C.; and Kotrappa, Payasada, 4,853,536, Cl. 250-253.000.

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Tetley, William C.; Cummings, Bruce A.; and Westcott, Daniel R., 4,847,503, Cl. 250-435.000.

Radage, Paul; and Harvey, Peter, to BICC Public Limited Company. Aerial optical cable and its method of manufacture. 4,869,573, 9-26-89, Cl. 350-96.230.

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Sureau, Jean-Claude, 4,864,321, Cl. 343-872.000.

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Mears, Arthur W., 4,800,835, Cl. 116-210.000.

Radchenko, Petr A.: *See—*

Chevakin, Ivan V.; Radchenko, Petr A.; Pesin, Abram I.; and Zharov, Nikolai P., 4,865,391, Cl. 299-23.000.

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Moy, Timothy Y.; and Radcliff, Jeffery W., 4,802,627, Cl. 239-112.000.

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Radcliffe, Anthony E., to Pendy Plastic Products Limited. Garment hanger. 4,854,489, 8-8-89, Cl. 223-95.000.

Radcliffe, Christopher J., to Phase Devices Limited. Diplexer. 4,890,078, 12-26-89, Cl. 333-134.000.

Radcliffe, Curtis E.: *See—*

Herring, Clarence R.; and Radcliffe, Curtis E., 4,856,851, Cl. 303-40.000.

Radcliffe, Denise E. Vehicle portable-office organizer. 4,832,241, 5-23-89, Cl. 224-275.000.

Radcliffe, Jennifer M.: *See—*

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Raddatz, Peter; Holzemann, Gunter; Jonczyk, Alfred; Schmitges, Claus J.; and Minck, Klaus O., to Merck Patent Gesellschaft mit Beschrankter Haftung. Peptides possessing renin inhibitory activity. 4,812,555, 3-14-89, Cl. 530-323.000.

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Radding, Charles M.; Honigberg, Saul M.; Weissman, Sherman; Rigas, Basil; Welcher, Andrew A.; and Ward, David C., to Yale University. RecA nucleoprotein filament and methods. 4,888,274, 12-19-89, Cl. 435-6.000.

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Radebaugh, Galen W.; Glinecke, Robert; and Julian, Thomas N., to McNeilab, Inc. Iburprofen sustained release matrix and process. 4,806,359, 2-21-89, Cl. 424-470.000.

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Radebaugh, Galen W.: *See—*

Julian, Thomas N.; and Radebaugh, Galen W., 4,851,226, Cl. 424-441.000.

Rademacher, Albert. Artificial vegatation or plants or parts for the same. 4,859,510, 8-22-89, Cl. 428-17.000.

Rademacher, Karl-Heinz; and Wolf, Theo, to Robert Bosch GmbH. Cassette deck with combination tape pull-out and tensioning levers. 4,797,760, 1-10-89, Cl. 360-95.000.

Rademacher, Thomas W.: *See—*

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Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.

Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.

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Rentzea, Costin; Sauter, Hubert; Tuerk, Wolfgang; Wenderoth, Bernd; Richarz, Winfried; Jung, Johann; and Rademacher, Wilhelm, 4,822,400, Cl. 71-76.000.

Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.

Rademaker, Johan K., to Hart & Cooley, Inc. Air deflector arrangement. 4,815,934, 3-28-89, Cl. 415-19[illegible].

Rademaker, Pieter D.: *See—*

Spanjer, Jacobs J.; and Rademaker, Pieter D., 4,880,582, Cl. 264-82.000.

Radenkov, Strahil K.: *See—*

Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.

Rader, Edward F.; and Rader, Eileen. Hot water dispenser. 4,871,089, 10-3-89, Cl. 222-54.000.

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Rader, Helmut, to Monoflo International, Inc. Poultry watering system with float box and elongated line. 4,794,881, 1-3-89, Cl. 119-72.500.

Rader, Helmut, to Monoflo International, Inc. Collapsible box. 4,798,304, 1-17-89, Cl. 220-6.000.

Rader, Helmut, to Animedics, Inc. Medicator with readily changeable orifice size. 4,846,220, 7-11-89, Cl. 137-564.500.

Rader, Holly A.: *See—*

Kapulka, Kenneth M.; Rader, Holly A.; and Strickland, Jimmy P., 4,878,167, Cl. 364-200.000.

Radermacher, Bernhard, to Pierburg GmbH. Fuel pump for an internal combustion engine having two pump units. 4,865,522, 9-12-89, Cl. 417-203.000.

Radermacher, Herbert: *See—*

Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,816,058, Cl. 65-348.000.

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Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,859,225, Cl. 65-104.000.

Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,874,418, Cl. 65-348.000.

Vanaschen, Luc; Kuster, Hans-Werner; and Radermacher, Herbert, 4,842,634, Cl. 65-106.000.

Radesky, Joseph A.; Brandt, Carl B.; Thomas, Gerald A.; and Aksins, William E., to Woodstream Corporation. Gopher trap. 4,856,225, 8-15-89, Cl. 43-81.000.

Radex Deutschland Aktiengesellschaft fur Feuerfeste Erzeugnisse: *See—*

Lorenz, Dotsch; Hofer, Karl-Heinz; Retrayt, Jean-Louis; and Kull, Bernd, 4,884,787, Cl. 266-270.000.

Radford, David J., to Tongaat-Hulett Group Limited, The. Massecuite supersaturation monitor. 4,875,940, 10-24-89, Cl. 127-2.000.

Radford, Kenneth C.; and Carlson, William C., to Westinghouse Electric Corp. Burnable neutron absorbers. 4,826,630, 5-2-89, Cl. 252-478.000.

Radford, Steven R.: *See—*

Ostertag, Alfred; Iversen, Robert E.; Hyland, Craig R.; Enever, Kenneth D.; and Radford, Steven R., 4,878,548, Cl. 175-340.000.

Radhakrishnan, Ramachandran: *See—*

Guo, Luke S. S.; Redmann, Carl T.; and Radhakrishnan, Ramachandran, 4,804,539, Cl. 424-450.000.

Guo, Luke S. S.; Redemann, Carl T.; Radhakrishnan, Ramachandran; and Yau-Young, Annie, 4,839,175, Cl. 424-450.000.

Radi, William G. Method for making an elastomeric retainer member. 4,850,256, 7-25-89, Cl. 83-17.000.

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Myers, Herman A., 4,876,794, Cl. 30-252.000.

Radial Turbine International A/S: *See—*

Lewis, George D., 4,884,746, Cl. 239-5.000.

Radiall Industrie: *See—*

Despouys, Jean B., 4,869,572, Cl. 350-96.210.

Radian Corporation: *See—*

Bell, Ronald B., 4,811,555, Cl. 60-39.060.

Radiant Optics, Inc.: *See—*

Johnson, Roger N., 4,841,947, Cl. 126-92.00B.

Radiante Oy: *See—*

Nieminen, Tero, 4,805,080, Cl 363-56.000.

Nieminen, Tero; and Nieminen, Timo, 4,815,115, Cl. 378-38.000.

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Radiation Dynamics, Inc.: *See—*

Thompson, Chester C.; and Loby, Raymond J., 4,845.370, Cl. 250-492.300.

Thompson, Chester C., 4,860,187, Cl. 363-61.000.

Radiation Management Consultants, Inc.: *See—*

Linnemann, Roger; Linnemann, Thomas E.; Berger, Mary E.; and Richardson, Wayne G., 4,819,925, Cl. 269-327.000.

Radic Co., Ltd.: *See—*

Yamazaki, Nobuyoshi, 4,800,385, Cl. 340-854.000.

Radice, Peter F., to Pennwalt Corporation. Air buoyant piezoelectric polymeric film microphone. 4,843,275, 6-27-89, Cl. 310-334.000.

Radice, Robert. Portable hydrant wrench. 4,815,345, 3-28-89, Cl. 81-57.300.

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Grushkin, Bernard; Hutka, David E.; Isganitis, Louis V.; and Radigan, Edward J., 4,886,729, Cl. 430-114.000.

Radik, Tynu A.; Sjugis, Anatol J.; Pungas, Toom A.; and Korsen, Vilie K. Two-phase gate motor. 4,888,530, 12-19-89, Cl. 318-254.000.

Radin, Alexander; and Wang, Zhirui, to University of Pennsylvania, Trustees of the. Self-alignment grip for mechanical testing. 4,845,997, 7-11-89, Cl. 73-831.000.

Radio Frequency Systems, Inc.: *See—*

Studer, S. Nicholas, Jr.; and Connolly, Kevin J., 4,882,592, Cl. 343-715.000.

Radiometer A/S: *See—*

Christiansen, Torben F.; and Kokholm, Finn, 4,874,501, Cl. 204-415.000.

Pedersen, Knud G., 4,836,907, Cl. 204-412.000.

Thomasen, Holger B.; and Eisenhardt, Anne R., 4,867,797, Cl. 134-18.000.

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Nelson, Loren D.; Erb, Lee A.; Ware, Randolph H.; and Rottner, Donald, 4,873,481, Cl. 324-58.50R.

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Farr, Andrew F.; and Radisch, Herbert R., Jr., 4,887,613, Cl. 606-159.000.

Radisson, Joel, to Sanofi. Process for the preparation of N-(2-chlorobenzyl)-2-(2-thienyl) ethylamine. 4,873,343, 10-10-89, Cl. 549-74.000.

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Raditic, Thomas F. Bowling training process and device. 4,822,040, 4-18-89, Cl. 273-54.00D.

Radixx/World Ltd.: *See—*

Luckanuck, John S., 4,799,349, Cl. 52-809.000.

Radjukhin, Valery S.: *See—*

Guzeev, Evgeny A.; Putlyaev, Ivan E.; Pimenov, Anatoly N.; Borisenko, Vladimir M.; Otrepiev, Vladimir A.; Radjukhin, Valery S.; Astashov, Alexei M.; Kurasova, Lidia P.; Sharov, Valery G.; Ledneva, Nina P.; and Rudenko, Igor F., 4,814,013, Cl. 106-84.000.

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Steinkamp, John O.; Ball, Garry L.; and Radke, Daniel D., 4,884,940, Cl. 414-715.000.

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Radke, Percy B. Magnetic fender cover. 4,884,824, 12-5-89, Cl. 280-770.000.

Radler, Michael S.: *See—*

Humphreys, Jerry W.; and Radler, Michael S., 4,849,999, Cl. 377-6.000.

Radliff, D. Jon. Fuel cap with compartment. 4,848,621, 7-18-89, Cl. 220-23.000.

Radlowski, Cecelia A.: *See—*

Burk, Emmett H., Jr.; Yoo, Jin S.; and Radlowski, Cecelia A., 4,883,783, Cl. 502-304.000.

Rado, Glenn T. Power roll conveyor with adjustable torque sensitive coupling. 4,832,656, 5-23-89, Cl. 464-40.000.

Rado, Gordon E.: *See—*

Cabanos, Phil A.; Gonzaga, Rafael T.; and Rado, Gordon E., 4,850,570, Cl. 254-337.000.

Cabanos, Phil A.; and Rado, Gordon E., 4,867,419, Cl. 254-399.000.

Radocha, Michael J.; and Jarecki, James J., to EZ Paintr Corporation. Wire rack display system with simplified re-stocking features. 4,813,535, 3-21-89, Cl. 206-44.120.

Radomski, Thomas A., to General Motors Corporation. Alternating current generator. 4,882,515, 11-21-89, Cl. 310-263.000.

Radomsky, John, to Cyclean, Inc. Method and apparatus for treating asphaltic concrete paving materials. 4,856,202, 8-15-89, Cl. 34-10.000.

Radomsky, John, to C.D. High Technology. Apparatus and method for production of asphalt pavement having high recycled asphalt content. 4,868,599, 9-26-89, Cl. 34-127.000.

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Medvinsky, Boris; and Radomyshelsky, Leonid, 4,799,999, Cl. 204-1.00T.

Radosevich, James A.: *See—*

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Radovich, JoAnn K. Inflatable indoor/outdoor display figure. 4,837,958, 6-13-89, Cl. 40-538.000.

Radtke, Charles S. Closure for containers. 4,795,045, 1-3-89, Cl. 215-325.000.

Radtke, Dale F.; and Rutke, Ronald F., to R & R Engineering, Inc. Stock feeding mechanism for press. 4,852,787, 8-1-89, Cl. 226-142.000.

Radtke, David G.: *See—*

Soberg, Harry W., Radtke, David G.; and Pitsenbarger, Lyle R., 4,807,564, Cl. 119-1.000.

Radtke, Leland J., to United Technologies Corporation. Plugged inspection opening. 4,825,642, 5-2-89, Cl. 60-39.330.

Radtke, Leland J., to United Technologies Corporation. Bolted connection for a turbine disk. 4,869,632, 9-26-89, Cl. 411-55.000.

Radtke, Manfred: *See—*

Bruckner, Gunther; Hiller, Wolfgang; Klingelhofer, Ulrich; and Radtke, Manfred, 4,833,845, Cl. 52-126.600.

Radtke, Norman H., to Brunswick Corporation. Fuel enrichment system. 4,815,427, 3-28-89, Cl. 123-179.00G.

Radtke, Norman H.: *See—*

Garms, John F.; and Radtke, Norman H., 4,848,283, Cl. 123-73.0AD.

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Hauser, Peter; and Radtke, Volker, 4,814,441, Cl. 540-122.000.

Radtke, Waldemar: *See—*

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Radwill, Robert P., to AMSTED Industries Incorporated. Diagonally braced railway truck. 4,870,914, 10-3-89, Cl. 105-206.200.

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Rae, Richard H., to Robertshaw Controls Company. Heating system, control device therefor and methods of making the same. 4,845,341, 7-4-89, Cl. 219-497.000.

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Rafferty, John P., to Duo-Fast Corporation. Guide for fastener driving tool. 4,821,937, 4-18-89, Cl. 227-8.000.

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Ragard, Phillip A., to Universal Instruments Corporation. Pick and place method and apparatus. 4,872,258, 10-10-89, Cl. 29-740.000.

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Rager, Hans, to International Business Machines Corporation. Device for placing components in particular on circuit boards. 4,843,711, 7-4-89, Cl. 29-740.000.

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Ragle, Larry O.; Davis, Stephen J.; and Williams, Richard A., to Power Spectra, Inc. Bulk avalanche semiconductor switch using a mesa structure. 4,864,119, 9-5-89, Cl. 250-211.00R.

Ragni, Richard K., to Minigrip, Inc. Reclosable seams for fluid-tight applications. 4,841,603, 6-27-89, Cl. 24-576.000.

Ragonese, Frank P.; and Yurchak, Sergei, to Mobil Oil Corporation. Control of waste water chemical oxygen demand in an oxygenate to hydrocarbon conversion process. 4,851,606, 7-25-89, Cl. 585-640.000.

Ragouzis, Perry N. Movable grid drawing frame. 4,798,537, 1-17-89, Cl. 434-90.000.

Ragsdale, Charles W., to Bio-Rad Laboratories, Inc. Contour-clamped homogeneous electric field generator. 4,878,008, 10-31-89, Cl. 323-271.000.

Ragsdale, Frank D., Sr. Attaching means and method. 4,886,391, 12-12-89, Cl. 403-19.000.

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Raguet, Philippe, to U.S. Philips Corporation. Current mirror having a high output voltage. 4,859,929, 8-22-89, Cl. 323-316.000.

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Rahier, Michel C. A. R.: *See—*

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Rahim, Omar M.: *See—*

Elsner, Matthew; Iida, Yoshio; Kwong, Edward Y.; and Rahim, Omar M., 4,839,828, Cl. 364-518.000.

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Rahkonen, Raimo K.: *See—*

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Rahlwes, William C.; and Knopp, Kelly G., to Phillips Petroleum Company. Catalyst regeneration. 4,843,050, 6-27-89, Cl. 502-41.000.

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Rahman, Turhan F.: *See—*

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Rahmen mit System GmbH: *See—*

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- Rai, Akiteru; Yamamura, Keiji; and Nukii, Takashi, to Sharp Kabushiki Kaisha. Method of making a hybrid semiconductor device. 4,818,728, 4-4-89, Cl. 437-209.000.
- Rai, Amarendra K.: *See—*
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- Rai, Chandra S., to Amoco Corporation. Method for determining in-situ formation properties. 4,831,530, 5-16-89, Cl. 364-421.000.
- Rai, Ghanshyam, to General Electric Company. Diamond and cubic boron nitride. 4,807,402, 2-28-89, Cl. 51-293.000.
- Rai, Iqbal S.: *See—*
  - Kindel, Leslie M.; and Rai, Iqbal S., 4,878,716, Cl. 305-21.000.
- RAI Radiotelevisione Italiana: *See—*
  - Cominetti, Mario; and Morello, Alberto, 4,887,269, Cl. 371-47.000.
- Rai, Yasuhiko: *See—*
  - Kondo, Kenji; and Rai, Yasuhiko, 4,817,057, Cl. 365-203.000.
- Raible, Ludwig: *See—*
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- Raible, Robert: *See—*
  - Davis, Hedley; and Raible, Robert, 4,886,941, Cl. 178-18.000.
- Raichle Sportschuh AG: *See—*
  - Walkhoff, Klaus, 4,843,740, Cl. 36-120.000.
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- Raidel, John E. Suspension assembly for steer axle with single air spring mounted directly over the axle. 4,802,690, 2-7-89, Cl. 280-713.000.
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- Raidel, John E. Self steering suspension assembly. 4,881,747, 11-21-89, Cl. 280-81.600.
- Raider, Stanley I.: *See—*
  - Gallagher, William J.; and Raider, Stanley I., 4,831,421, Cl. 357-5.000.
- Raijo, Hiroshi: *See—*
  - Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.
- Raikamo, Mikko H. Water tower. 4,815,494, 3-28-89, Cl. 137-593.000.
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- Raiko, Markku, to Imatran Voima Oy. Gas turbine power plant fired by a water-bearing fuel and method for utilizing the heat value of said fuel. 4,866,928, 9-19-89, Cl. 60-39.050.
- Raikov, Nikolai N., to Tsentralnoe Proektno-Konstruktorskoe Bjuro Vsesojuznogo Rybopromyshlennogo Obiedinenia Azovo-Chernomorskogo Basseina. Machine for producing a triple-thread chain stitch for sewing webs over an edge. 4,840,134, 6-20-89, Cl. 112-162.000.
- Rail Car America, Inc.: *See—*
  - Conley, Arthur; Darcey, Owen; and Mulligan, Joseph, Jr., 4,805,517, Cl. 92-8.000.
- Railmaster System, Inc.: *See—*
  - Wicks, Harry O.; and Riefler, Monte P., 4,841,872, Cl. 105-4.300.
- Rails Company: *See—*
  - Burwell, Gar W. N., 4,795,091, Cl. 238-349.000.
- Railway Engineering Associates, Inc.: *See—*
  - List, Harold A., 4,889,054, Cl. 105-167.000.
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  - Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.
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- Raiman Design, Inc.: *See—*
  - Raiskums, Olaf B.; and Mancel, James D., 4,840,689, Cl. 156-217.000.
- Raimondi, Albert A.: *See—*
  - Veronesi, Luciano; and Raimondi, Albert A., 4,886,430, Cl. 417-423.130.
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  - Maccianti, Tiziano; and Raimondi, Luciano, 4,849,979, Cl. 371-68.000.
- Raimondi, Tullio; Presle, Pierre; Galbiati, Leandro; and de Burbure, Stephane, to European Atomic Energy Community (EURATOM). Welding and/or cutting machine. 4,843,213, 6-27-89, Cl. 219-159.000.
- Rain Bird Consumer Products Mfg. Corp.: *See—*
  - Allemann, James G., 4,860,954, Cl. 239-101.000.
  - Beal, Glenn I., 4,819,875, Cl. 239-97.000.
- Rain, Don W.: *See—*
  - Levin, Arthur L.; Rain, Don W.; and Thomas, David J., 4,821,178, Cl. 364-200.000.
- Rainbow Lifegard Products, Inc.: *See—*
  - Hugo, Donald G., 4,835,810, Cl. 15-1.700.
- Rainbow Star Licensing S.A.: *See—*
  - Last, Anthony J., 4,832,031, Cl. 128-402.000.
  - Mancel, James C.; and Raiskums, Olaf B., 4,849,042, Cl. 156-227.000.
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  - Feled, Emanuel; Gorenshtein, Aharon; and Segal, Monica, 4,844,996, Cl. 429-194.000.
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  - Whittington, Herbert W.; Jordan, James R.; and Flanagan, Ian, 4,837,511, Cl. 324-236.000.
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  - Gillett, Jimmie D., 4,800,292, Cl. 307-117.000.
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  - Pease, Kevin J.; Copella, Robert A.; and Flannery, Ann M., 4,837,426, Cl. 235-440.000.
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- Random Wheels, Inc.: *See*—
  - Mc Namara, Thomas, 4,852,599, Cl. 135-102.000.
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  - Pennington, Terris L., 4,882,664, Cl. 363-41.000.
- Raney, Gary L.: *See*—
  - Corn, Kruger C.; and Raney, Gary L., 4,800,539, Cl. 367-72.000.
- Raney, Richard C. Drill bit stabilizer. 4,842,083, 6-27-89, Cl. 175-325.000.
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  - Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., 4,805,237, Cl. 455-619.000.
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- Rangert, Bo R.; and Wahlstrand, Karl-Gustav O., to Aktiebolaget Electrolux. Centrigugal clutch. 4,813,525, 3-21-89, Cl. 192-415.000.
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- Rank Brimar Limited: *See*—
  - Kavanagh, Martin, 4,804,880, Cl. 313-404.000.
- Rank Cintel Limited: *See*—
  - Millward, John D.; and Brown, Kevin D., 4,811,016, Cl. 341-126.000.
- Rank, Matthaeus: *See*—
  - Liebl, Herbert; Roche, Peter; and Rank, Matthaeus, 4,816,542, Cl. 528-59.000.
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  - Moore, William T.; and Wallace, Kenneth J., 4,799,106, Cl. 358-168.000.
  - Moore, William T.; and Stuart, Alan S., 4,808,823, Cl. 250-334.000.
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- Rank Taylor Hobson Limited: *See*—
  - Barnaby, Anthony B., 4,798,006, Cl. 33-573.000.
  - Lane, Hugh R.; and Onyon, Peter D., 4,807,152, Cl. 364-513.000.
  - Nettleton, David; Patel, Jayantilal A.; and Merrills, Alan G., 4,825,557, Cl. 33-502.000.
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  - Shino, Satoshi; Sasahara, Akira; Ishikawa, Kiyoshi; Shibasaki, Shigeru; and Takashina, Shinji, 4,826,147, Cl. 271-145.000.
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  - Hensley, Donald E.; Rankin, E. Edward; Tomek, Martin L.; and Moody, David M., 4,799,546, Cl. 166-250.000.
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  - Aguadisch, Louis M. J.; and Rankin, Frank S., 4,814,184, Cl. 424-486.000.
- Rankin, Janice J.; and Pearson, Marilyn M., to Weyerhaeuser Company. Infant car seat liner. 4,883,701, 11-28-89, Cl. 428-136.000.
- Rankin, Joseph W. Storage and dispensing device. 4,811,998, 3-14-89, Cl. 312-229.000.
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  - Healy, Christopher L.; and Rankin, Ken, 4,882,889, Cl. 52-336.000.
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- Rannie, James B.: *See—*
  - Auxier, Thomas A.; Rannie, James B.; and Field, Robert E., 4,887,663, Cl. 165-47.000.
- Ranpak Corp.: *See—*
  - Armington, Steven E.; Halperin, Stephen A.; Pickett, Gordon E.; and Metz, Barbara A., 4,806,410, Cl. 428-126.000.
  - Baldacci, Bruno H., 4,884,999, Cl. 493-439.000.
  - Komaransky, Anthony J.; and Armington, Raymond Q., 4,839,210, Cl. 428-77.000.
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  - Hayes, Stanley K., 4,852,513, Cl. 118-326.000.
  - Jamison, Chris M.; and Petersen, Eric A., 4,878,622, Cl. 239-690.100.
  - Medlock, Delmar W., 4,828,218, Cl. 251-26.000.
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  - Gelain, Silvano; and Dinkel, Bernhard, 4,851,261, Cl. 427-195.000.
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  - Rutz, Guido, 4,844,348, Cl. 239-703.000.
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  - Williams, Jeffrey D.; Young, Marvin L.; Ahmad, Syed S.; and Ransohoff, Jackson A., 4,810,523, Cl. 427-36.000.
- Ransom, Charles R. Breech lock for firearms. 4,854,217, 8-8-89, Cl. 89-163.000.
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  - Fishbine, Glenn M.; Ransom, Mark S.; and Germann, Daniel E., 4,811,414, Cl. 382-52.000.
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  - Aldred, Edward J.; and Lloyd, David J., 4,878,338, Cl. 56-7.000.
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  - Aaltonen, Olli; Martikainen, Antti; Rantala, Borje; Ekstrom, Jan; and Toikka, Osmo, 4,886,528, Cl. 55-158.000.
- Rantala, Mauri: *See—*
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  - Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., 4,806,201, Cl. 156-653.000.
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  - Graham, Neil B.; Rashid, Abdul; and Rao, Koritala P., 4,882,166, Cl. 424-462.000.
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- Rao, Pradip: *See—*
  - Brown, Dennis M.; Hsiung, Thomas H.; Rao, Pradip; and Roberts, George W., 4,801,574, Cl. 502-342.000.
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  - Hsu, Kevin; Rao, Srinivas T.; and Kaukeinen, Joseph Y., 4,875,969, Cl. 156-633.000.
- Rao, U. Veereswara: *See—*
  - Baldwin, Ewart M.; Rao, U. Veereswara; and Bender, Thomas C., 4,870,538, Cl. 361-321.000.
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  - Gumprecht, William H.; Manzer, Leo E.; and Rao, V. N. Mallikarjuna, 4,843,181, Cl. 570-169.000.
  - Kellner, Carl S.; and Rao, V. N. Mallikarjuna, 4,873,381, Cl. 570-176.000.
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  - Ghosh, Pushpito K.; Bhattacharyya, Dhirendra N.; Iyer, Rama S.; Chikale, Sudhakar V.; Chattopadhyay, Arun K.; Paul, Sasanka S.; and Rao, Vattipalli M., 4,808,251, Cl. 149-2.000.
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  - Nordlof, Richard D.; Reding, Gary D.; and MacDonald, Jeffery S. 4,804,898, Cl. 318-569.000.
- Rapid Deployment Towers, Inc.: *See—*
  - McGinnis, Henry J., 4,866,893, Cl. 52-108.000.
- Rapid Metal Developments Ltd.: *See—*
  - Steele, Raymond E., 4,880,204, Cl. 249-219.200.
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  - Gudenau, Ronald A.; and Tamasiunas, Charles, 4,869,300, Cl. 141-59.000.
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  - Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.
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- Rapsilver, Benny L. Dump fitting for sewer hose. 4,796,926, 1-10-89, Cl. 285-181.000.
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  - Raque, Glen F.; and Robinson, Edward A., 4,823,988, Cl. 222-148.000.
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  - Barab-Tarle, Matus E.; Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Soifer, Romen D.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,804,914, Cl. 324-226.000.
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  - Weinberger, Gerald J.; Lee, Roger C.; and Miller, Stanley F., 4,888,822, Cl. 379-130.000.
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- Rath, Gary. Dust chute and combination dust chute and wastebasket device. 4,795,046, 1-3-89, Cl. 220-1.00T.
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  - Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
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  Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grassl, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.

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Rau, Gunter: *See—*
  Knoch, Martin; Reul, Helmut; and Rau, Gunter, 4,799,930, Cl. 623-2.000.
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Rauch, Hubert; Klesse, Wolfgang; Lehmann, Klaus; and Mager, Theodor, to Rohm GmbH. Method for making redispersible synthetic resin powders. 4,816,558, 3-28-89, Cl. 528-501.000.

Rauch, Jon: *See—*
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  Even-or, Baruch; and Rauck, Robert L., 4,808,859, Cl. 307-571.000.

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Raufast, Charles: *See—*
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  Strandli, Kare R.; and Halvorsen, Svein T., 4,876,964, Cl. 102-499.000.

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  Hotma, Johan J. K., 4,799,425, Cl. 100-194.000.
  Koski, Ilpo, 4,802,955, Cl. 162-301.000.
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  Raura, Pentti, 4,816,092, Cl. 156-62.200.

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  Hahn, Alfred; and Raup, Jens-Peter, 4,872,192, Cl. 378-181.000.

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Rausing, Hans; and Nilsson, Ingvar, to Svecia Antiqua SA. Apparatus for the manufacture of a material in the form of sheets or a web provided with a watermarklike pattern. 4,814,043, 3-21-89, Cl. 162-286.000.

Rausing, Hans, to Svecia Antiqua S.A. Method for producing multi-page documents from a material web. 4,828,636, 5-9-89, Cl. 156-204.000.

Rausing, Hans, to AB PROFOR. Opening arrangement on packing containers. 4,838,428, 6-13-89, Cl. 206-603.000.

Rausing, Hans. Pack for flowable material. 4,878,593, 11-7-89, Cl. 220-67.000.

Rausing, Hans, to Tetra Pak Finance & Trading S.A. Fluid pack and process for the production thereof. 4,887,765, 12-19-89, Cl. 229-123.200.

Rautakorpi, Paavo, to Oy Tampella AB. Method and an apparatus for drying a paper web or the like. 4,887,362, 12-19-89, Cl. 34-41.000.

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  Wilson, Robert; and LaPlante, Jerry C., 4,802,436, Cl. 164-440.000.

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Ravaglia, Andrea, to SGS-Thomson Microelectronics s.r.l. Process of forming an isolation structure. 4,868,136, 9-19-89, Cl. 437-38.000.

Ravaris, Charles L., to Dartmouth College, The Trustees of. Method for treatment of hypercortisolemic, depressed patients. 4,814,333, 3-21-89, Cl. 514-255.000.

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  Vajda, Gabor; Ravasz, Laszlo Vajda, Gaborne; and Karacsonyi, Bela, 4,837,042, Cl. 426-615.000.

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Ravensbergen, Wouter D., to Yokogawa Electrofact B.V. Transducer for determining contaminations in fabrics. 4,877,332, 10-31-89, Cl. 374-153.000.

Ravet, Georges; Bonnet, Catherine; and Mongoin, Jacques, to Coatex S.A. Agent for pre-treatment of rough mineral materials for pigmentary applications. 4,842,651, 6-27-89, Cl. 106-487.000.

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  Gonnet, Olivier; Ravet, Georges; and Rousset, Jacky, 4,840,985, Cl. 524-425.000.
  Gonnet, Olivier; Ravet, Georges; and Rousset, Jacky, 4,868,228, Cl. 523-333.000.

Ravetta, Guido, to I.PI.CI. S.p.A. Method for the purification of trifuraline. 4,876,388, 10-24-89, Cl. 564-437.000.

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Ravichandran, Ramanathan; and Spivack, John D., to Ciba-Geigy Corporation. 6-(1-hydro-2,2,6,6-tetraalkyl-piperidine-4-oxy)dibenzodioxaphosphepin and dioxaphosphocin process stabilizers. 4,808,645, 2-28-89, Cl. 524-99.000.

Ravichandran, Ramanathan; and Pastor, Stephen D., to Ciba-Geigy Corporation. Substituted hydroxylamine ester stabilizers. 4,888,444, 12-19-89, Cl. 564-300.000.

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Ravinet, Ernest, to Tappan Company, The. Panel retaining arrangement. 4,813,726, 3-21-89, Cl. 292-241.000.

Ravins, Thomas L.; and Greve, Dale R., to Georgia-Pacific Corporation. Fiber reinforced plaster molds for metal casting. 4,818,287, 4-4-89, Cl. 106-38.300.

Ravishankar, Gurumurthi, to Intel Corporation. Continuous bulk drain for photoresist. 4,803,946, 2-14-89, Cl. 118-52.000.

Raviv, Daniel, to Case Western Reserve University. Method and apparatus for reconstructing three-dimensional surfaces from two-dimensional images. 4,873,651, 10-10-89, Cl. 364-513.000.

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Rawlings, David A.; and Potter, William D., to Smith and Nephew Associated Companies p.l.c. Surgical adhesive dressing. 4,798,201, 1-17-89, Cl. 128-156.000.

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Rawlins, David. Pool cleaning device. 4,837,886, 6-13-89, Cl. 15-1.700.

Rawlins, David A., to Beecham Group p.l.c. Pharmaceutical composition. 4,859,709, 8-22-89, Cl. 514-770.000.

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Rawlins, P. J. Thomas. Fuel tank cleaning system. 4,840,732, 6-20-89, Cl. 210-306.000.

Rawlinson, Stephen J.; Nguyen, Quang H.; and Simmonds, Stephen M., to Amdahl Corporation. Method and apparatus for performing a pseudo branch in a microword controlled computer system. 4,802,088, 1-31-89, Cl. 364-200.000.

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Obligin, Alan; Xia, Du W.; Silberman-Hazony, Ruth; Rawls, H. Ralph; Cabasso, Israel; and Smid, Johannes, 4,866,132, Cl. 525-107.000.

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Ray, Charles D., to Cedar Surgical, Inc. Framework for supporting surgical instruments at a surgical wound. 4,805,599, 2-21-89, Cl. 128-2.000.

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Ray, Dennis A. Fuel heater. 4,846,137, 7-11-89, Cl. 123-557.000.

Ray, Donald K.; and Taylor, Larry G. Automatic emergency locator system and method. 4,878,236, 10-31-89, Cl. 379-37.000.

Ray, Donald L.; and Lipp, Ellis P., to Emhart Industries, Inc. Slide switch with light guide. 4,868,354, 9-19-89, Cl. 200-17.00R.

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Ray, Gene S. Ski boot carrier. 4,815,642, 3-28-89, Cl. 224-258.000.

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Ray, Joe R. Boat dolly. 4,850,605, 7-25-89, Cl. 280-47.331.

Ray, Jon P.; Turner, James E.; Ellis, Michael P.; and Oldham, Ronald G. Nicotine dispenser with polymeric reservoir of nicotine. 4,800,903, 1-31-89, Cl. 131-273.000.

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Ray, Siba P., to Aluminum Company of America. Aluminum borate based ceramic composite. 4,804,642, 2-14-89, Cl. 501-87.000.

Ray, Siba P., to Aluminum Company of America. Light weight shaped opaque aluminum borate product and method of making same. 4,804,646, 2-14-89, Cl. 501-105.000.

Ray, Stephen J.; and Richardson, Kenneth, to Pfizer Inc. 2-aryl-3-(substituted piperazinyl)-1-(1H-1,2,4-triazolyl)propanol-2-ol antifungal agents. 4,885,294, 12-5-89, Cl. 514-227.800.

Ray, Ted M., to Levi Strauss & Co. Notching method and apparatus for fabrication of garment goods. 4,833,953, 5-30-89, Cl. 83-14.000.

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Tight, Dexter C., Jr.; and Moisson, Marc F., 4,885,194, Cl. 428-34.900.

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Clabburn, Robin J., 4,865,559, Cl. 439-281.000.

Clabburn, Robin J. T.; and Looms, John S. T., 4,845,318, Cl. 174-178.000.

Cook, John A.; Park, George B.; and McLoughlin, Robert H., 4,818,643, Cl. 429-188.000.

Crofts, David; and Wright, Martin A., 4,799,125, Cl. 361-91.000.

Crofts, David; and Wright, Martin A., 4,807,081, Cl. 361-56.000.

Dunbar, John H.; and Atkinson, Edward B., 4,795,998, Cl. 338-5.000.

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McLoughlin, Robert H.; and Changani, Pushpkumar D., 4,798,752, Cl. 428-36.000.

Neaves, Bryan D.; Hill, Frederick W. L.; and Cross, Malcolm G., 4,879,148, Cl. 428-40.000.

Read, Michael J.; Read, Michael R.; Osborne, Stephen J.; and Hakes, Geoffrey P., 4,844,959, Cl. 428-34.900.

Seabourne, Judith L.; and Looms, John S. T., 4,827,081, Cl. 174-139.000.

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Sweet, Martin, 4,890,182, Cl. 361-56.000.

Towle, Ian D. H., 4,820,792, Cl. 528-126.000.

Towle, Ian D. H., 4,841,011, Cl. 528-125.000.

Towle, Ian D. H., 4,841,013, Cl. 528-125.000.

Towle, Ian D. H., 4,841,094, Cl. 560-73.000.

Towle, Ian D. H.; and Horner, Patrick J., 4,845,179, Cl. 528-9.000.

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Johnson, Trevor A.; and Gorscak, Sharon L., 4,873,415, Cl. 219-121.640.

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Raymond, Bernard, to Valeo Systemes d'Essuyage. Windshield wiper having an auxiliary lever arm. 4,831,680, 5-23-89, Cl. 15-250.420.
Raymond, Bernard, to Valeo Systemes d'Essuyage. Connector device to mount a windshield wiper contact clip, and clip endowed with such a connector device. 4,878,263, 11-7-89, Cl. 15-250.320.
Raymond, Bruce C.; and Fink, Richard A., to Honeywell Inc. Magnetic particle clutch. 4,811,823, 3-14-89, Cl. 192-21.500.
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Raymond, Douglas. Toy birthing apparatus with chugging-like delivery motion. 4,836,821, 6-6-89, Cl. 446-330.000.
Raymond, Edward A. Tapered mattress. 4,829,615, 5-16-89, Cl. 5-448.000.
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Spaman, Donald R., 4,847,727, Cl. 361-151.000.
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Raymond, Eugene B.; and Proulx, Edward A., to General Electric Company. Ammunition handling apparatus. 4,854,216, 8-8-89, Cl. 89-33.160.
Raymond, Eugene B., to General Electric Company. Dual caliber ammunition handling system. 4,882,972, 11-28-89, Cl. 89-34.000.
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Raymond, Geri L.; and Raymond, Mark A. Method for printing a double-sided display on transparent film. 4,879,161, 11-7-89, Cl. 428-195.000.
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Raymond, William M. Apparatus and process for pumping fluid from subterranean formations. 4,878,540, 11-7-89, Cl. 166-369.000.
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Rayner, Martin, to Illabo Mining Equipment Company. Comminution/-recovery ore mill. 4,848,677, 7-18-89, Cl. 241-40.000.
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Raynor, Robert J.; and Migliaro, Francis W., Jr., to Olin Corporation. Tetraalkylpiperidinyl substituted uracil derivatives and their use as ultraviolet light stabilizers. 4,816,585, 3-28-89, Cl. 544-296.000.
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Raythatha, Rasik H., to E.C.C. America Inc. Kaolin aggregation using combination of organic and inorganic bases. 4,806,167, 2-21-89, Cl. 106-465.000.
Raythatha, Rasik H.; and Andrews, E. Wayne, to E.C.C. America Inc. Kaolinite aggregation using sodium silicate. 4,816,074, 3-28-89, Cl. 106-468.000.
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Pease, William M.; and Hall, William M., 4,837,579, Cl. 342-197.000.
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Teskey, John F., 4,821,122, Cl. 358-181.000.
Tults, Juri, 4,823,387, Cl. 380-13.000.
Tults, Juri; Testin, William J.; and Rumreich, Mark F., 4,868,892, Cl. 455-182.000.
Venners, Howard W.; Beyers Jr., Billy W.; and Hailey, James E., 4,855,730, Cl. 340-825.240.
Weckenbrock, Hermann J., 4,868,650, Cl. 358-105.000.
Wilber, James A., 4,795,948, Cl. 315-397.000.
Wilber, James A., 4,795,949, Cl. 315-397.000.
Willis, Donald H., 4,802,000, Cl. 358-21.00R.
Wu, Hai-Ping; and Kolczynski, Ronald, 4,823,298, Cl. 364-735.000.
RCM Industries Corporation: *See—*
Johnson, Arthur F.; and Sackett, Robert L., 4,874,585, Cl. 422-171.000.
RCS Industries, Inc.: *See—*
Sorensen, Robert C., 4,816,977, Cl. 362-448.000.
Re, Alberto; and Donati, Gianni, to Ausimont S.p.A. Crosslinking of epoxy resins by means of polyfunctional perfluoropolyethers. 4,816,545, 3-28-89, Cl. 528-401.000.
Re, Alberto; and Alfieri, Mario, to Ausimont S.p.A. Epoxy resins prepared from perfluoroalkylene telomers. 4,833,227, 5-23-89, Cl. 528-73.000.
Re, Alberto; and De Giorgi, Marco, to Ausimont S.p.A. Use of tertiary aminic compounds containing at least three active hydrogens in the preparation of polymers containing perfluoropolyethereal chains. 4,849,493, 7-18-89, Cl. 528-70.000.
Re, Alberto; Tonelli, Claudio; and Tortelli, Vito, to Ausimont S.p.A. Fluorinated cross-linking agents for epoxy resins and process for preparing the resins. 4,851,485, 7-25-89, Cl. 525-504.000.
Re, Alberto; and De Giorgi, Marco, to Montedison S.p.A. Fluorinated polyisocyanates suitable as paint components. 4,863,986, 9-5-89, Cl. 524-197.000.
Re, Alberto: *See—*
Johns, Ken; Re, Alberto; and Bargigia, Gianangelo, 4,874,842, Cl. 528-494.000.

Scarati, Mario A.; Re, Alberto; Tognoni, Carlo; and Gavezotti, Piero, 4,842,939, Cl. 428-421.000.

Re, Angel: *See—*

Baril, Jacques; Re, Angel; Vannier, Gerard; and Saugier, Yves, 4,826,347, Cl. 403-282.000.

Re, Mark E.: *See—*

Hoo, Stanley S. K.; and Re, Mark E., 4,825,318, Cl. 360-121.000.

Re, Uberto, to Fratelli Re S.p.A. Combined manual implement for window snow removal, ice scraping, washing and drying, for vehicles in general. 4,809,386, 3-7-89, Cl. 15-105.000.

Rea, James: *See—*

Bellis, Kenneth E.; Brown, Jackson E.; Nagarwalla, Pheroze J.; and Rea, James, 4,836,269, Cl. 164-200.000.

Rea, James H.: *See—*

Gupton, B. Franklin; Rea, James H.; and Mueller, Werner H., 4,871,859, Cl. 546-250.000.

Rea, Jeffrey E., to Borg-Warner Automotive, Inc. Mechanism for eliminating gear rattle in a shiftable transmission. 4,811,615, 3-14-89, Cl. 74-375.000.

Rea, Larry B.: *See—*

Lassiter, Perry B.; and Rea, Larry B., 4,800,181, Cl. 501-89.000.

Rea, Laurence L.: *See—*

Dee, Richard H.; Rea, Laurence L.; King, Darwin D.; and Ruse, Guy F., 4,849,250, Cl. 427-48.000.

Rea, Philip L.; and Bagshaw, Stanley R. Tile mounting system. 4,888,928, 12-26-89, Cl. 52-387.000.

Reach, Robert L., Jr., to Delford Industries, Inc. Tube mat for solar collector. 4,805,594, 2-21-89, Cl. 126-426.000.

Read, Avis O. Combination spoon and food container. 4,830,222, 5-16-89, Cl. 222-106.000.

Read, Edgar L.; Grant, Elwyn E.; Keto, Gary A.; Lin, Sharlene C.; Morgan, James D.; Nimon, Robert E.; Oldham, Oliver G.; Adams, Allen R., Jr.; and Salmones, Jose A., to DSC Communications Corporation. Interprocessor switching network. 4,885,739, 12-5-89, Cl. 370-58.100.

Read, Frank C.: *See—*

Yamamoto, Albert K.; and Read, Frank C., 4,869,680, Cl. 439-327.000.

Read, Frank H.: *See—*

King, George C.; and Read, Frank H., 4,823,003, Cl. 250-305.000.

Read, Gary W.: *See—*

deBoer, Wiebe B.; Jensen, Klavs F.; Johnson, Wayne L.; Read, Gary W., and Robinson, McDonald, 4,798,165, Cl. 118-715.000.

Read, Harold A.: *See—*

Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.

Kent, Allan R.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; Metz, Donald R.; Zagame, Steven P.; and Kirk, Robert C., 4,887,076, Cl. 340-825.160.

Read, Michael J.; Read, Michael R.; Osborne, Stephen J.; and Hakes, Geoffrey P., to Raychem Limited. Heat curable adhesive coating. 4,844,959, 7-4-89, Cl. 428-34.900.

Read, Michael R.: *See—*

Read, Michael J.; Read, Michael R.; Osborne, Stephen J.; and Hakes, Geoffrey P., 4,844,959, Cl. 428-34.900.

Read, Norman W.: *See—*

Buckner, Robert K.; Read, Norman W.; and Ritchie, Donald E., 4,852,654, Cl. 166-277.000.

Read, Randol R.; Warmack, Ralph E.; Farmer, James M.; Henshaw, Jerry D.; and Marshall, Connie T., to Amoco Corporation. Cableless seismic digital field recorder having on-site seismic data processing capabilities. 4,885,724, 12-5-89, Cl. 367-77.000.

Read, Robert, to Schwinn Bicycle Company. Signal detector for cycle computer with releasable strap frame mounting. 4,825,156, 4-25-89, Cl. 324-166.000.

Read, Robert, to Schwinn Bicycle Company. Cycle computer with improved switch and push-button arrangement to facilitate resetting. 4,881,187, 11-14-89, Cl. 364-565.000.

Read, Robert J. R.: *See—*

Corrie, Narelle G.; and Read, Robert J. R., 4,885,822, Cl. 17-39.000.

Read, Simon: *See—*

Mewburn-Crook, Anthony J. S.; Bullen, Peter; and Read, Simon, 4,857,753, Cl. 290-55.000.

Reader, John R., Jr.: *See—*

Hendrick, Kendall B.; and Reader, John R., Jr., 4,855,667, Cl. 324-61.00R.

Wilhelm, Robert E., Jr.; Reader, John R., Jr.; Gormley, Kenneth W., Sr.; Hendrick, Kendall B.; and Celeste, Richard J., 4,816,730, Cl. 318-568.000.

Reading Technologies, Inc.: *See—*

Daniels, Keith L., 4,822,387, Cl. 55-323.000.

Readman, John, to Sundstrand Corporation. Sealing assembly for a device having a rotatable shaft. 4,804,196, 2-14-89, Cl. 277-75.000.

Readman, John, to Sundstrand Corporation. Deployable space radiator with condenser. 4,815,525, 3-28-89, Cl. 165-41.000.

Readman, John, to Sundstrand Corporation. Pitot pump assembly for a rotating fluid management device. 4,875,826, 10-24-89, Cl. 415-89.000.

Readman, John: *See—*

Zeiser, Philip; and Readman, John, 4,861,313, Cl. 464-89.000.

Readnour, Jack L.: *See—*

Roth, Robert H.; Lampsat, Bruno G.; and Readnour, Jack L., 4,832,568, Cl. 415-189.000.

Readshaw, Lenard T.; VanVelzen, Cornelis N.; Paquette, John L.; and McKeown, Kenneth O., to Innovations Ltd. Saw benching rolls. 4,887,494, 12-19-89, Cl. 76-27.000.

Readshaw, Ronald L.: *See—*

Caster, Kenneth C.; and Readshaw, Ronald L., 4,865,758, Cl. 252-171.000.

Reafler, Gerald G.: *See—*

Fronheiser, Dennis R.; Hayward, Jack; Reafler, Gerald G.; and Schuler, James R., 4,872,270, Cl. 34-23.000.

Hayward, Jack; Reafler, Gerald G.; and Schuler, James R., 4,832,991, Cl. 427-393.500.

Reagan, Daniel S. Arrangement of words using the last syllable thereof. 4,807,905, 2-28-89, Cl. 281-15.00R.

Reagan, William J.: *See—*

Bartholic, David B.; and Reagan, William J., 4,804,459, Cl. 208-253.000.

Bartholic, David B.; and Reagan, William J., 4,818,373, Cl. 208-252.000.

Reagents of the University of Minnesota: *See—*

Ogilvie, James W.; and Ogilvie, Frank R., 4,856,385, Cl. 81-57.390.

Reaktor-Brennelement Union GmbH: *See—*

Peehs, Martin; Bayer, Heinrich; Jenczio, Ulrich; Laucht, Jurgen; Hellmann, Sieghard; Dichtjar, Gerhard; Dorr, Wolfgang; and Maier, Georg, 4,816,193, Cl. 264-0.500.

Real, Philip: *See—*

Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., 4,816,833, Cl. 342-95.000.

Reale, John, Jr.: *See—*

Bartels, Craig R.; and Reale, John, Jr., 4,802,988, Cl. 210-640.000.

Bartels, Craig R.; Dorawala, Tansukhlal G.; Stephenson, Michael T.; Pasternak, Mordechai; and Reale, John, Jr., 4,872,991, Cl. 210-651.000.

Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,798,674, Cl. 210-640.000.

Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,877,529, Cl. 210-500.370.

Reale, Louis, to Xerox Corporation. Long life corona charging device. 4,837,658, 6-6-89, Cl. 361-230.000.

Reale, Louis, to Xerox Corporation. Coated ion projection printing head. 4,853,719, 8-1-89, Cl. 346-155.000.

Reale, Serge: *See—*

Claudet, Gerard; Dewanckel, Bernard; Ravex, Alain; and Reale, Serge, 4,840,032, Cl. 62-6.000.

Realex Corporation: *See—*

Foster, Donald D.; and Nelson, Philip L., 4,848,595, Cl. 222-153.000.

Reali, Aldo: *See—*

Appiano, Silvano; Chiarottino, Wolmer; Pozzi, Mauro; and Reali, Aldo, 4,800,423, Cl. 358-21.00R.

Realpro, Ltd.: *See—*

Tornetta, Mark A., 4,870,576, Cl. 364-401.000.

Realty Electronics, Inc.: *See—*

Matthew, Scott C., 4,817,193, Cl. 455-108.000.

Realty Supply International, Inc.: *See—*

Deskiewicz, Alfred J., Jr., 4,844,264, Cl. 211-50.000.

Ream, Bernard C., to Union Carbide Chemicals and Plastics Company Inc. Process for the production of alkylene carbonate. 4,877,886, 10-31-89, Cl. 549-230.000.

Ream, Bernard C.: *See—*

Crandall, John W.; and Ream, Bernard C., 4,830,712, Cl. 203-35.000.

Ream, Edward K., to Enteleki, Inc. Method and apparatus of debugging computer programs. 4,802,165, 1-31-89, Cl. 371-19.000.

Ream, Jeffrey L.: *See—*

Bubello, Robert; and Ream, Jeffrey L., 4,825,644, Cl. 60-39.091.

Ream, Ronald L.; Riedy, Robert D.; and McHale, Michael, to Wm. Wrigley Jr. Company. Method for forming a confectionary product into a rolled tape. 4,882,175, 11-21-89, Cl. 426-5.000.

Ream, Stanley L.: *See—*

Lee, Chun-Sheu; and Ream, Stanley L., 4,803,694, Cl. 372-98.000.

Reamer, Robert A.: *See—*

Amato, Joseph S.; McNamara, James M.; Leazer, Johnnie L., Jr.; Reider, Paul J.; and Reamer, Robert A., 4,883,878, Cl. 546-172.000.

Wilson, Kenneth E.; Flor, James E.; Hensens, Otto D.; Liesch, Jerrold M.; and Reamer, Robert A., 4,816,448, Cl. 514-99.000.

Reamey, Robert H.: *See—*

Montoya, Wayne; and Reamey, Robert H., 4,874,839, Cl. 528-480.000.

Reanal Finomvegyszergyar: *See—*

Matolcsy, Gyorgry; Kerekes, Gyula; Buban, Tamas; Vasarhelyi, Endre; Kovacs nee Kalman, Magda; Belai, Ivan; and Gerlei, Aniko, nee Komaromy, 4,846,883, Cl. 71-106.000.

Reaoch, Ronald S.: *See—*

Lutz, Michael A.; Reaoch, Ronald S.; and Reedy, Philip E., Jr., 4,816,497, Cl. 522-46.000.

Reardon, Bruce A.; and Goodrich, Joel L., to M/A-Com, Inc. Method of fabricating a semiconductor beam lead device. 4,859,629, 8-22-89, Cl. 437-203.000.

Reardon, Joseph D.: *See—*

Dorfman, Mitchell R.; Rangaswamy, Subramaniam; and Reardon, Joseph D., 4,822,415, Cl. 75-251.000.

Reardon, Lance J.: *See—*

Gardner, Harris L.; and Reardon, Lance J., 4,862,605, Cl. 36-43.000.

Rearwin, Earle W.; and Rearwin, Gayle L., to It's A Peach, Inc. Elasticized knitted band. 4,872,324, 10-10-89, Cl. 66-172.00E.

Rearwin, Earle W.: *See—*

Marsh, Renee H.; Henderson, Regina H.; and Rearwin, Earle W., 4,852,188, Cl. 2-250.000.

Rearwin, Gayle L.: *See—*

Rearwin, Earle W.; and Rearwin, Gayle L., 4,872,324, Cl. 66-172.00E.

Reas, John H. Hand-held cigarette-coloring device. 4,821,748, 4-18-89, Cl. 131-329.000.

Reason, John R.: *See—*

Brandemuehl, Michael J.; and Reason, John R., 4,875,341, Cl. 62-115.000.

Reasons, Rob: *See—*

Sargeant, Bruce A.; Hoffenberg, Mark J.; Reasons, Rob; and Walpert, Robert A., 4,834,363, Cl. 272-73.000.

Reategui, Julio A.: *See—*

Vora, Kishore N.; Campbell, Donald N.; Davis, Robert C., Jr.; Spangler, Glenn E.; and Reategui, Julio A., 4,839,143, Cl. 422-98.000.

Reaux, James. Hydraulically activated welding flange. 4,815,650, 3-28-89, Cl. 228-119.000.

Reaux, James R. Flanged repair coupling for pipe line service. 4,822,075, 4-18-89, Cl. 285-3.000.

Reavell, James, to School Bus Parts Co. of Canada Inc. School bus stop sign control apparatus. 4,816,804, 3-28-89, Cl. 340-433.000.

Reaves, Benjamin H.; and Nelson, William E., to Amoco Corporation. Process for revamping the stator blades of a gas turbine. 4,805,282, 2-21-89, Cl. 29-156.80R.

Reavis, H. Gray, Jr.: *See—*

Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Granger, Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, Jr., 4,818,300, Cl. 148-2.000.

Reback, John S.: *See—*

Terlecke, Mark J.; and Reback, John S., 4,833,756, Cl. 16-87.200.

Reback, Richard L. Valve handle adaptor kit. 4,794,945, 1-3-89, Cl. 137-315.000.

Reback, Richard L. Valve handle adaptor kit. 4,842,009, 6-27-89, Cl. 137-315.000.

Rebarber, Arthur: *See—*

Spaulding, Laura; Rebarber, Arthur; and Wiese, Eugene, 4,867,898, Cl. 252-106.000.

Rebardi, Wade A.; and Farley, David L., to Completion Services, Inc. Upward movement only actuated gravel pack system. 4,858,690, 8-22-89, Cl. 166-278.000.

Rebbert, Milton L.: *See—*

Taylor, Charles J.; Grossman, Julius; Fischer, Jacqueline; Smith, Howard A.; Peckerar, Martin C.; and Rebbert, Milton L., 4,818,661, Cl. 430-320.000.

Rebecq, Jean M., to Societe Civile pour la Realisation d'Inventions Techniques—S.C.R.I.T. Foldable temporary roadmarkers and containers for storing and/or transporting same. 4,838,415, 6-13-89, Cl. 206-216.000.

Rebek, Julius, to Year Laboratories, Inc. Method of use of 1,3 disubstituted aromatic cyclohexane imides as chelating agents. 4,861,564, 8-29-89, Cl. 423-21.500.

Rebekale, Arshaloos N. Adhesive tape cutter. 4,856,397, 8-15-89, Cl. 83-322.000.

Rebel, Herbert; and Hummel, Peter, to MAN Roland Druckmaschinen AG. Mounting for changing applicator rolls of printing presses. 4,831,928, 5-23-89, Cl. 101-216.000.

Rebel, Herbert; and Bergmann, Marco, to M.A.N.-Roland Druckmaschinen AG. Conveyor for a sheet-fed rotary press. 4,858,910, 8-22-89, Cl. 271-204.000.

Rebel, Herbert; and Bergmann, Marco, to M.A.N.-Roland Druckmaschinen AG. Apparatus for chain transfer conveyance of sheet printed in a press. 4,869,169, 9-26-89, Cl. 101-408.000.

Rebel, Herbert: *See—*

Abendroth, Paul; Rebel, Herbert; and Herold, Manfred, 4,813,356, Cl. 101-415.100.

Wegel, Erich; and Rebel, Herbert, 4,813,661, Cl. 271-204.000.

Wegel, Erich; and Rebel, Herbert, 4,828,246, Cl. 271-182.000.

Rebentisch, Hugo E., to Unistrut International Corp. Fastener restrainer for framing system. 4,840,525, 6-20-89, Cl. 411-85.000.

Reber, Werner. Front piece for shoes. 4,839,971, 6-20-89, Cl. 36-77.00R.

Rebera, Anthony J. Vehicle carrier. 4,817,833, 4-4-89, Cl. 224-36.000.

Reberle reg. Treuunternehmen Schaan: *See—*

Boschung, Marcel, 4,858,270, Cl. 15-328.000.

Rebers, Gunter: *See—*

Landwehr, Reinhard; and Rebers, Gunter, 4,801,256, Cl. 425-119.000.

Landwehr, Reinhard; and Rebers, Gunter, 4,873,049, Cl. 264-513.000.

Proll, Manfred; and Rebers, Gunter, 4,810,178, Cl. 425-112.000.

Rebers, Kenneth D.; and Seim, William J., to Minnesota Mining and Manufacturing Company. Cable closure end cap. 4,822,954, 4-18-89, Cl. 174-93.000.

Rebers, Kenneth D.; Seim, William J.; and Krenz, Dean C., to Minnesota Mining and Manufacturing Company. Cable closure end cap. 4,857,672, 8-15-89, Cl. 174-93.000.

Rebers, Kenneth D.: *See—*

Rutenbeck, Mark M.; Rebers, Kenneth D.; and Seim, William J., 4,810,829, Cl. 174-41.000.

Rebeschini, Michael E.: *See—*

Walczak, Thomas J.; Rebeschini, Michael E.; and Schechtman, Melvin A., 4,802,236, Cl. 455-110.000.

Rebiez, Gabriel M.; and Rutledge, David B., to California Institute of Technology. Millimeter and submillimeter wave antenna structure. 4,888,597, 12-19-89, Cl. 343-778.000.

Rebischung, Robert A., to Societe Alsacienne d'Aluminium. Lid for closing a container comprising a thermoplastic material sealing zone. 4,830,215, 5-16-89, Cl. 220-359.000.

Rebischung, Robert A., to Societe Alsacienne d'Aluminum. Method and machine for closing containers, particularly pots and small trays. 4,866,913, 9-19-89, Cl. 53-478.000.

Rebman, Jack, to Lord Corporation. Hydraulic remote center compliance device. 4,800,802, 1-31-89, Cl. 92-61.000.

Reboa, Paul F.; Mitchell, Frances E.; and Choy, Clement K., to Clorox Company, The. Thickened liquid, improved stability abrasive cleanser. 4,842,757, 6-27-89, Cl. 252-76.000.

Reboh, Rene ; and Risch, Tore J. M., to Syntelligence. Data-driven, functional expert system shell. 4,866,634, 9-12-89, Cl. 364-513.000.

Rebordosa, Antonio, to Braun Aktiengesellschaft. Hand-held mixing device. 4,850,699, 7-25-89, Cl. 366-129.000.

Reboul, Max: *See—*

Dubost, Bruno; Reboul, Max; and Sainfort, Pierre, 4,512,178, Cl. 148-12.70A.

Reboullet, Marc J., to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A.". Device for orienting and angularly positioning the axis of rotation of a rotatable load. 4,819,002, 4-4-89, Cl. 343-765.000.

Rebsamen, Arthur; and Hablutzel, Bruno, to Maschinenfabrik Schweiter AG. Apparatus for joining two thread ends by splicing. 4,796,418, 1-10-89, Cl. 57-22.000.

Rebscher, Stephen J.: *See—*

Byers, Charles L.; Loeb, Gerald E.; Merzenich, Michael M., and Rebscher, Stephen J., 4,819,647, Cl. 128-642.000.

Recalde, Carlos E., to Santa Fe International Corporation. Pipeline laying system and vessel. 4,820,082, 4-11-89, Cl. 405-168.000.

Recalt, Hugues: *See—*

Dumoulin, Patrick; and Recalt, Hugues, 4,860,524, Cl. 54-44.000.

Recchia, Joanne: *See—*

Horn, Marcus J.; and Recchia, Joanne, 4,800,166, Cl. 436-55.000.

Rech, Armin: *See—*

Hermann, Horst; Binoder, Wilhelm; Rech, Armin; Rech, Gerd; and Reinhardt, Gunter, 4,812,979, Cl. 364-431.010.

Rech, Ben M.: *See—*

Weldon, William F.; Rech, Ben M.; and Zowarka, Raymond C., Jr., 4,859,819, Cl. 200-146.00R.

Rech, Gerd: *See—*

Hermann, Horst; Binoder, Wilhelm; Rech, Armin; Rech, Gerd; and Reinhardt, Gunter, 4,812,979, Cl. 364-431.010.

Rechberg, Robert. Drawer slides with self-actuating latching systems. 4,872,734, 10-10-89, Cl. 312-333.000.

Rechen, James B.; Ewing, James D.; and Burgess, John G. Framing bitstreams. 4,864,572, 9-5-89, Cl. 371-2.100.

Recherche Carbovac Inc.: *See—*

Roy, Christian, 4,839,021, Cl. 208-13.000.

Recherche Syntex: *See—*

Beranger, Serge; Pascal, J. Claude; Pinhas, Henri; and Jullien, Isabelle, 4,810,706, Cl. 514-265.000.

Recherches et Developpements Desaar: *See—*

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Rechlicz, Thomas: *See—*

Leatherman, Dennis D.; Rechlicz, Thomas; and Schwarz, Richard A., 4,877,679, Cl. 428-224.000.

Rechsteiner, Emil B., to Isoreg Corporation. Winding apparatus utilizing magnetic carrier units. 4,850,542, 7-25-89, Cl. 242-7.070.

Rechsteiner, Markus, to Sig Schweizerische Industrie-Gesellschaft. Conveyor for upright-oriented flat articles. 4,848,558, 7-18-89, Cl. 198-369.000.

Recht, Tom: *See—*

Tetelman, Bruce; Milios, Yannis; Park, Il-Pyung; and Recht, Tom, 4,859,839, Cl. 235-385.000.

Rechtschaffen, Rudolph N.: *See—*

Aichelmann, Frederick J., Jr.; Blumberg, Rex H.; Meltzer, David; Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,823,239, Cl. 364-200.000.

Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,807,110, Cl. 364-200.000.

Rechtzigel, Allen: *See—*

Liabenow, Kenneth H.; Rechtzigel, Allen; and Springer, Dennis, 4,830,746, Cl. 210-202.000.

Reck, Andrew C.: *See—*

Vesce, Richard V.; and Reck, Andrew C., 4,800,331, Cl. 323-277.000.

Reck, Bernd: *See—*

Eich, Manfred; Wendorff, Joachim; and Reck, Bernd, 4,837,745, Cl. 365-108.000.

Reck, Charles R.: *See—*

Bauer, Robert W.; Reck, Charles R.; and Wangeman, Hans B., 4,809,470, Cl. 52-97.000.

Reck, Hans-Jurgen: *See—*

Zimmermann, Ingfried; Windt, Fred; and Reck, Hans-Jurgen, 4,822,616, Cl. 424-432.000.

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Recker, Bradley J.: *See—*

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Roe, Derrick I.; Rozman, Christopher J.; and Recker, Bradley J., 4,882,120, Cl. 363-98.000.

Rozman, Christopher J.; Roe, Derrick I.; and Recker, Bradley J., 4,875,149, Cl. 363-41.000.

Recker, Hans-Gert: *See—*

Janssen, Bernd; Karbach, Stefan; Recker, Hans-Gert; and Thyes, Marco, 4,804,785, Cl. 568-425.000.

Recker, Larry E. Attachment for corn husking rolls. 4,809,714, 3-7-89, Cl. 130-5.00G.

Recker, Robert R. Treatment for osteoporosis using GRF or a biologically active analog thereof. 4,870,054, 9-26-89, Cl. 514-12.000.

Reckitt & Colman Products Limited: *See—*

Chapleo, Christopher; and Myers, Peter L., 4,818,764, Cl. 514-397.000.

Fox, Rodney T.; Cowen, Raymond A.; Pool, Hazel; and Cook, Robert V., 4,802,997, Cl. 252-8.600.

Sugden, Keith, 4,829,056, Cl. 514-54.000.

Reckitt & Colman S.A.: *See—*

Dumas, Sylvie, 4,810,690, Cl. 512-02.000.

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Recktenwald, Diether J., to Becton Dickinson & Company. Peridinin-chlorophyll complex as fluorescent label. 4,876,190, 10-24-89, Cl. 435-7.000.

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Redmann, Carl T.: *See—*

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Reed, Alastair: *See—*

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- Reed, Andrew M.; Askill, Ian N.; and Weber, Willis W., to Matrix Medica, Inc. Segmented polyether polyurethane. 4,849,458, 7-18-89, Cl. 521-159.000.
- Reed, Andrew M.: *See—*
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- Reed, Barry J. Insect trap apparatus. 4,858,376, 8-22-89, Cl. 43-139.000.
- Reed, Bradley O., to General Electric Company. Extended range hydromechanical steering transmission. 4,799,401, 1-24-89, Cl. 74-677.000.
- Reed, Bradley O., to General Electric Company. Drive system for track-laying vehicles. 4,803,897, 2-14-89, Cl. 74-720.500.
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- Reed, Brian E., to Siemon Company, The. Modular jack yoke. 4,883,432, 11-28-89, Cl. 439-553.000.
- Reed, Brian E.: *See—*
    - Siemon, John A.; and Reed, Brian E., 4,883,430, Cl. 439-510.000.
- Reed, Carl G., to AMP Incorporated. Electrical connector having improved characteristics for retaining leads to the connector housing and method of making the electrical connector. 4,850,902, 7-25-89, Cl. 439-676.000.
- Reed, Carl G., to AMP Incorporated. Shunted modular electrical connector. 4,874,333, 10-17-89, Cl. 439-514.000.
- Reed, Carl G., to AMP Incorporated. Electrical device having improved leads for surface mounting on a circuit board. 4,875,863, 10-24-89, Cl. 439-79.000.
- Reed, Charles F.; and Parker, Valery, to Dover Industries, Inc. Chuck closing mechanism for automatic screw machine. 4,799,696, 1-24-89, Cl. 279-50.000.
- Reed-Chatwood, Inc.: *See—*
    - Schewe, Richard A., 4,850,086, Cl. 28-196.000.
- Reed, Clayton L.; and Miller, John D., to Pall Corporation. Container for pressurized fluid. 4,839,048, 6-13-89, Cl. 210-450.000.
- Reed, Clayton L., to Pall Corporation. Filter assembly with an expandable shell. 4,842,737, 6-27-89, Cl. 210-321.870.
- Reed, Clive W.: *See—*
    - Devins, John C.; Reed, Clive W.; and Rzad, Stefan J., 4,842,941, Cl. 428-412.000.
- Reed, David J.: *See—*
    - Davis, Earl K.; Drye, James E.; and Reed, David J., 4,800,421, Cl. 357-80.000.
- Reed, Donald A.: *See—*
    - Lunk, Hans E.; Reed, Donald A.; Deep, Marguerite E.; Hill, Charles; and Au, Andrew, 4,859,836, Cl. 219-548.000.
- Reed, Donald N.: *See—*
    - Mitchell, E. Keith; and Reed, Donald N., 4,805,413, Cl. 62-24.000.
- Reed, Edward W. Straight-hanging tapered plant pot. 4,837,972, 6-13-89, Cl. 47-67.000.
- Reed, Edward W. Three-piece plant pot hanger. 4,841,671, 6-27-89, Cl. 47-67.000.
- Reed, Edwin E.: *See—*
    - Price, J. B.; Reed, Edwin E.; and Rutledge, James L., 4,870,245, Cl. 219-121.360.
- Reed, Emily J.: *See—*
    - Justice, David D.; Helmstetter, David A.; Reed, Emily J.; and Fukunaga, Tsujihiko, 4,830,837, Cl. 423-181.000.
- Reed, Eric L., to Minnesota Mining and Manufacturing Company. Microcomputer controlled resistance fault locator circuit. 4,868,507, 9-19-89, Cl. 324-525.000.
- Reed, Fred D., Jr. Transdermal drug delivery device. 4,877,618, 10-31-89, Cl. 424-448.000.
- Reed, Garrett W. Chain saw sharpening guide. 4,821,608, 4-18-89, Cl. 76-36.000.
- Reed, Gary J. Method for repairing a metal casting having a crack or break therein. 4,845,828, 7-11-89, Cl. 29-402.150.
- Reed, Gerald D. Illuminable fishing float. 4,827,655, 5-9-89, Cl. 43-17.500.
- Reed, Gordon K., to Process Automation Business, Inc. Slice lip protector system. 4,879,003, 11-7-89, Cl. 162-344.000.
- Reed, Harold F. Reuseable container. 4,807,808, 2-28-89, Cl. 229-103.000.
- Reed, Herbert M.; and Sager, Scott J., to Micromation Systems, Inc. "Tool changer having a retaining means actuatable during loading of a bit along the central axis of a pocket". 4,847,979, 7-18-89, Cl. 29-568.000.
- Reed, Irving S.: *See—*
    - Truong, Trieu-Kie; Hsu, In-Shek; and Reed, Irving S., 4,845,728, Cl. 377-123.000.
- Reed, James P.; Masia, Michael; and Highe, Albert, to Raychem Corporation. Corrosion protection. 4,874,487, 10-17-89, Cl. 204-147.000.
- Reed, Jeffery T.: *See—*
    - Ahlberg, David T.; Padliya, Dilipkumar; and Reed, Jeffery T., 4,857,632, Cl. 528-487.000.
- Reed, Jeffrey. Paving apparatus. 4,863,310, 9-5-89, Cl. 404-104.000.
- Reed, Jeffrey B.: *See—*
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    - DeLuca, Michael J.; and Reed, Jeffrey B., 4,879,758, Cl. 455-296.000.
- Reed, John B.: *See—*
    - Flanagan, Kenneth J.; Reed, John B.; and Lott, A. Denise, 4,801,397, Cl. 252-154.000.
- Reed, John D.; Roberts, Teddy P.; and Berger, Thomas R., to Motorola, Inc. Method and apparatus for cordless microphone communication system. 4,876,710, 10-24-89, Cl. 379-63.000.
- Reed, John F.; and Jones, Marvin E., to Minnesota Mining and Manufacturing Company. Electret filter made of fibers containing polypropylene and poly(4-methyl-1-pentene). 4,874,399, 10-17-89, Cl. 55-2.000.
- Reed, John H. Pump-off control for a pumpjack unit. 4,859,151, 8-22-89, Cl. 417-12.000.
- Reed, John W.; and Smith, Richard D., to West Point Pepperell, Inc. Compositions and methods for imparting stain resistance to textile articles. 4,800,118, 1-24-89, Cl. 428-270.000.
- Reed, Joseph; and Caserta, Joseph N., to ITT Electro Optical Products, a division of ITT Corporation. High light level cutoff apparatus for use with night vision devices. 4,843,229, 6-27-89, Cl. 250-213.0VT.
- Reed, Katherine E.: *See—*
    - Ersfeld, Dean A.; Hansen, Paul E.; Scholz, Matthew T.; Bartizal, Dennis C.; Reed, Katherine E.; Larson, Wayne K.; Sandvig, Timothy C.; and Buckanin, Richard S., 4,856,502. Cl. 128-90.000.
- Reed, Kenneth A.: *See—*
    - Alliston, Michael G.; and Reed, Kenneth A., 4,829,912, Cl. 110-345.000.
- Reed, Larry E.; and Porter, Randall A., to Phillips Petroleum Company. Antifoulants for thermal cracking processes. 4,804,487, 2-14-89, Cl. 252-400.100.
- Reed, Larry E.: *See—*
    - Porter, Randall A.; and Reed, Larry E., 4,863,892, Cl. 502-170.000.
- Reed, Lehman T. Oil and gas well diversionary spool assembly. 4,804,045, 2-14-89, Cl. 166-65.100.
- Reed, Leonard W.: *See—*
    - Hammond, John M.; and Reed, Leonard W., 4,830,205, Cl. 215-11.300.
- Reed Lignin Inc.: *See—*
    - Detroit, William J., 4,846,871, Cl. 71-25.000.
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    - Lin, Stephen Y., 4,824,588, Cl. 252-70.000.
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- Reed, Lowell M., to Parco Mast and Substructures, Inc. Dual cluster crown block. 4,796,863, 1-10-89, Cl. 254-337.000.
- Reed, Lowell M., to Parco Mast and Substructures, Inc. Method of performing drilling operations from a derrick. 4,836,300, 6-6-89, Cl. 175-57.000.
- Reed, Lowell M.: *See—*
    - Frink, Tommy S.; Reed, Lowell M.; Cochran, Dwayne V.; and McNair, Will L., 4,875,530, Cl. 175-27.000.
- Reed, Marion G.: *See—*
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- Reed, Mark A., to Texas Instruments Incorporated. Quantum device output switch. 4,799,091, 1-17-89, Cl. 357-12.000.
- Reed, Mark A.; and Frazier, Gary A., to Texas Instruments Incorporated. Optically pumped quantum coupled devices. 4,878,104, 10-31-89, Cl. 357-30.000.
- Reed, Mark A.: *See—*
    - Lee, Jhang W.; and Reed, Mark A., 4,851,886, Cl. 357-4.000.
- Reed, Mel. Trash separation container. 4,834,262, 5-30-89, Cl. 220-404.000.
- Reed, Michael A.: *See—*
    - Kerner, James M.; Palmer, Carl; Reed, Michael A.; and Pagendarm, John J., 4,833,888, Cl. 62-3.300.
- Reed, Michael D.: *See—*
    - Harral, Blake G.; and Reed, Michael D., 4,806,940, Cl. 342-451.000.
- Reed, Michael K.: *See—*
    - Schulz, Daniel R.; Warren, Benton B.; and Reed, Michael K., 4,860,219, Cl. 364-519.000.
- Reed, Patrick G. Vacuum system for computer printers. 4,861,178, 8-29-89, Cl. 400-719.000.
- Reed, Paul A.: *See—*
    - Klass, Jeffrey M.; Reed, Paul A.; and Rimawi, Isam, 4,818,900, Cl. 307-450.000.
- Reed, Peggy H. Dual purpose high chair and hook-on baby seat. 4,844,537, 7-4-89, Cl. 297-174.000.
- Reed, Philip. Stair building template and method of use. 4,882,846, 11-28-89, Cl. 33-464.000.
- Reed, Ralph C.: *See—*
    - Diehl, Donald R.; and Reed, Ralph C., 4,877,721, Cl. 430-522.000.
- Reed, Robert E.: *See—*
    - Bare, John H.; Morgan, Howard A.; and Reed, Robert E., 4,865,261, Cl. 242-47.000.
- Reed, Robert H. Wall bracket assembly. 4,836,484, 6-6-89, Cl. 248-243.000.
- Reed, Robert J.: *See—*
    - McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
- Reed, Robert L.; and Palm, John W., to Amoco Corporation. Two-reactor, high-recovery sulfur plant and process. 4,822,591, 4-18-89, Cl. 423-574.00R.
- Reed, Robert L.; and Holdeman, David A., to Amoco Corporation. Method for controlling claus furnace with variable hydrocarbon feed composition. 4,836,999, 6-6-89, Cl. 423-574.00R.
- Reed, Roger G. Diffuser for color analyzer. 4,853,744, 8-1-89, Cl. 355-38.000
- Reed, Ronald G., to ProtoCAD, Inc. Forming plated through holes in a printed circuit board by using a computer controlled plotter. 4,823,277, 4-18-89, Cl. 364-488.000.
- Reed, Ronald G., to ProtoCAD, Inc. Variable size segnented anode array for electroplating. 4,828,654, 5-9-89, Cl. 204-23.000.
- Reed, Ronald G.: *See—*
    - Arnold, Alison M.; and Reed, Ronald G., 4,808,023, Cl. 403-157.000.
- Reed, Ronald L.: *See—*
    - Teletzke, Gary F.; Ashcraft, Thomas L., Jr.; and Reed, Ronald L., 4,828,032, Cl. 166-272.000.
- Reed, Russell, Jr. Multifunctional polyalkylene oxide binders. 4,799,980, 1-24-89, Cl. 149-19.400.
- Reed, Ryan T.; and Curran, Earl J., Jr., to Square D Company. Phase loss detection circuit including transient protection. 4,823,226, 4-18-89, Cl. 361-85.000.
- Reed, Thomas A. Method and apparatus for the separation of organic substances from a suspension or solution. 4,855,045, 8-8-89, Cl. 210-223.000.
- Reed, Thomas F.: *See—*
    - Erickson, David E.; and Reed, Thomas F., 4,812,550, Cl. 527-201.000.
- Reed Tool Company: *See—*
    - Daly, Jeffery E.; and Schumacher, Percy W., 4,830,123, Cl. 175-329.000.
    - Deane, John D.; and Schumacher, Percy W., 4,794,994, Cl. 175-329.000.
    - Deane, John D.; and Pastusek, Paul E., 4,848,476, Cl. 175-340.000.
    - Deane, John D., 4,848,489. Cl. 175-329.000.
    - Drake, Eric F., 4,887,493, Cl. 76-5.00R.
    - Kotch, Robert J., 4,838,365, Cl. 175-371.000.
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    - Barr, John D.; Matthias, Terry R.; and Taylor, Malcolm R., 4,862,977, Cl. 175-329.000.
    - Barr, John D., 4,878,403, Cl. 76-107.00R.
    - Burridge, Paul S.; and Wardley, Michael T., 4,848,491, Cl. 175-329.000.
    - Fuller, John; and Gasan, Joseph A., 4,889,017, Cl. 76-108.00A.
    - Newton, Thomas A., Jr.; and Regan, Michael C., 4,844,185, Cl. 175-329.000.
    - Taylor, Malcolm R.; Barr, John D.; and Smart, John R., 4,873,895, Cl. 76-108.00A.
- Reed, William. Building construction. 4,802,315, 2-7-89, Cl. 52-79.400.
- Reed, William A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber comprising a refractive index trench. 4,852,968, 8-1-89, Cl. 350-96.330.
- Reed, William A., to U-Line Corporation. Unitary ice maker with fresh food compartment and control system therefor. 4,872,317, 10-10-89, Cl. 62-135.000.
- Reed, William C.: *See—*
    - Mullin, Francis J.; Reed, William C.; and Scholly, Christian, 4,807,961, Cl. 350-96.230.
    - Mullin, Francis J.; and Reed, William C., 4,852,965, Cl. 350-96.230.
    - Mullin, Francis J.; and Reed, William C., 4,875,952, Cl. 156-48.000.
- Reed, William M.: *See—*
    - Simons, Tad D.; Stawitcke, Frederick A.; Reed, William M.; and Tessier, Paul A., 4,857,048, Cl. 604-50.000.
- Reed, Wilmer H., III, to Dynamic Engineering Inc. Flutter exciter. 4,809,553, 3-7-89, Cl. 73-583.000.
- Reeder, Jack E.: *See—*
    - Buckland, Patrick A.; Irwin, John W.; and Reeder, Jack E., 4,833,596, Cl. 364-200.000.
- Reeder, Michael R.: *See—*
    - Jones, Robert E., Jr.; Kammerdiner, Lee; and Reeder, Michael R., 4,835,118, Cl. 437-173.000.
- Reeder, Robin A.: *See—*
    - McNeil, John A.; and Reeder, Robin A., 4,815,820, Cl. 350-162.170.
- Reedman, David C.; and Preece, Clive, to British United Shoe Machinery Ltd. Detecting workpiece orietation and treating workpieces without reorieting. 4,862,377, 8-29-89, Cl. 364-468.000.
- Reedy, James D.: *See—*
    - Austin, Paul E.; Farris, David D.; Reedy, James D.; Blevins, Charles; and Ramdatt, Philbert E., 4,857,583, Cl. 524-761.000.
    - Mehta, Kunj R.; Lehew, Richard A.; Reedy, James D.; Farris, David D.; and Austin, Paul E., 4,847,398, Cl. 556-445.000.
- Reedy, Patrick J., to General Motors Corporation. Lamp socket assembly. 4,804,343, 2-14-89, Cl. 439-854.000.
- Reedy, Philip E., Jr.; and Cannady, John P., to Dow Corning Corporation. Infusible preceramic silazane polymers via high energy radiation. 4,828,663, 5-9-89, Cl. 204-157.640.
- Reedy, Philip E., Jr.: *See—*
    - Lutz, Michael A.; Reaoch, Ronald S.; and Reedy, Philip E., Jr., 4,816,497, Cl. 522-46.000.
- Reedy, Ronald E.: *See—*
    - Garcia, Graham A.; and Reedy, Ronald E., 4,843,448, Cl. 357-36.000.
- Reekers, Adriaan A.: *See—*
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- Reel, Jerry R.: *See—*
    - Cook, C. Edgar; Tallent, C. Ray; Reel, Jerry R.; and Wani, Mansukh C., 4,861,763, Cl. 514-172.000.
- Reel S A: *See—*
    - Leveugle, Jean, 4,886,174, Cl. 212-149.000.
- Reemers, Herman A. J.: *See—*
    - Ridders, Johannes A. M.; and Reemers, Herman A. J., 4,853,583, Cl. 313-318.000.
- Reemtsma, Keith; Hardy, Mark A.; and Lau, Henry T., to Columbia University in the City of New York, The Trustees of. Processes for development of acceptance of transplanted organs and tissues. 4,861,704, 8-29-89, Cl. 435-1.000.
- Reenders, Kelley B.: *See—*
    - Bussard, Janice W.; and Reenders, Kelley B., 4,884,717, Cl. 220-229.000.
- Rees, Daniel E.: *See—*
    - Edward, Brian J.; Lang, Richard J.; and Rees, Daniel E., 4,800,393, Cl. 343-821.000.
- Rees, Daniel F.: *See—*
    - Edward, Brian J.; and Rees, Daniel F., 4,825,220, Cl. 343-795.000.
- Rees, Frederick H., to STC PLC. Substantially non-blocking space switching arrangement. 4,811,333, 3-7-89, Cl. 370-58.000.
- Rees, Geraint: *See—*
    - McCrainor, Peter R.; Caplin, Peter B.; Middlemas, James W.; Rees, Geraint; and Angelini, Mario, 4,824,438, Cl. 44-16.00F.
- Rees, Herbert R. Rain gutter assembly. 4,841,686, 6-27-89, Cl. 52-12.000.
- Rees, James G. Empty and load brake apparatus for unitized railroad trains. 4,824,179, 4-25-89, Cl. 303-22.700.
- Rees, John A., to Boots Company plc, The. Method of treatment. 4,816,488, 3-28-89, Cl. 514-646.000.
- Rees, John A., to Boots Company plc, The. Medical treatment. 4,871,774, 10-3-89, Cl. 514-646.000.
- Rees, John A. J. Turbocompounded two-stroke piston engines. 4,807,579, 2-28-89, Cl. 123-257.000.
- Rees, John E.: *See—*
    - Davies, David J. G.; Meakin, Brian J.; Rees, John E.; and Staniforth, John N., 4,863,627, Cl. 252-95.000.
- Rees, John J. M., to Coats & Clark Inc. Method and apparatus for making conductive yarn. 4,813,219, 3-21-89, Cl. 57-3.000.
- Rees, Michael K. Apparatus and method for documenting physical examinations. 4,869,531, 9-26-89, Cl. 283-67.000.
- Rees, Richard: *See—*
    - Blume, Friedhelm; Franke, Wilfried; Arndt, Friedrich; and Rees, Richard, 4,859,230, Cl. 71-93.000.
    - Rowson, Graham P.; Head, John C.; Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; and Rees, Richard, 4,889,553, Cl. 71-92.000.
    - Westermann, Jurgen; Kruger, Martin; Arndt, Friedrich; Rees, Richard; and Kotter, Clemens, 4,859,231, Cl. 71-93.000.
- Rees, Richard W., to Du Pont de Nemours, E. I., and Company. Low smoke generating, high char forming, flame resistant thermoplastic multi-block copolyesters. 4,826,899, 5-2-89, Cl. 524-94.000.
- Rees, Richard W. A., to General Motors Corporation. Reclining seat back apparatus and method of utilization thereof. 4,824,172, 4-25-89, Cl. 297-361.000.
- Rees, Richard W. A.; and Humer, Mladen, to General Motors Corporation. Vertical seat adjuster apparatus and method. 4,860,988, 8-29-89, Cl. 248-420.000.
- Rees, Richard W. A., to General Motors Corporation. Reclining seat back apparatus and method of utilization thereof. 4,881,775, 11-21-89, Cl. 297-361.000.
- Rees, Robert C.: *See—*
    - Dalton, Barbara J.; and Rees, Robert C., 4,803,072, Cl. 424-85.50C.
- Rees, Theodore D.: *See—*
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- Rees, William S., Jr.: *See—*
    - Seyferth, Dietmar; and Rees, William S., Jr., 4,871,826, Cl. 528-4.000.
- Reese, Cecil E., to Du Pont de Nemours, E. I., and Company. Texturing polyester yarns. 4,833,032, 5-23-89, Cl. 428-364.000.
- Reese, Darrell D.: *See—*
    - Ferguson, Sam; and Reese, Darrell D., 4,827,033, Cl. 564-188.000.
- Reese, Dirk: *See—*
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- Reese, Eckart: *See—*
    - Wank, Joachim; Waldenrath, Werner; and Reese, Eckart, 4,828,901, Cl. 428-76.000.
- Reese, Edmund A., to VLSI Technology, Inc. Method and an apparatus for resolving identical address requests in a dual port circuit device. 4,864,243, 9-5-89, Cl. 328-110.000.
- Reese Enterprises, Inc.: *See—*
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- Reese, Franklin S.: *See—*
    - Poehlein, Raymond E.; and Reese, Franklin S., 4,875,611, Cl. 226-186.000.
- Reese, Hewitt W. Bone clamp and method. 4,796,612, 1-10-89, Cl. 128-92.0YF.
- Reese, Jon: *See—*
    - Flinchbaugh, Bruce E.; Dolins, Steven B.; Srivastava, Aditya; and Reese, Jon, 4,861,419, Cl. 156-626.000.
- Reese, Morris. Enhanced calling number delivery service system. 4,873,719, 10-10-89, Cl. 379-215.000.
- Reese, Robert T.; Howard, Randall F.; and Stanley, Harold A., to Scripps Clinic and Research Foundation. Merozoite surface glycoproteins. 4,835,259, 5-30-89, Cl. 530-395.000.
- Reese, Terry L., to Club Car, Inc. Engine mount for golf cart. 4,821,827, 4-18-89, Cl. 180-61.000.
- Reese, Terry L.; and Kerlin, James R., to Club Car. Drive mechanism for a continuously variable transmission. 4,826,467, 5-2-89, Cl. 474-14.000.
- Reese, Theodore J.: *See—*
    - Benoit, Michel R.; Hansen, Eric R.; and Reese, Theodore J., 4,850,290, Cl. 110-346.000.
- Reeser, Larry J.; and Morton, Henry H., to Reeser, Larry J. Remote controlled thermostat. 4,860,950, 8-29-89, Cl. 236-51.000.

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- Reesor, Gordon J.; and Kuhn, Gerald, to Mitel Corp. Digital loudspeaking telephone. 4,796,287, 1-3-89, Cl. 379-390.000.
- Reetz, Manfred T.: *See—*
  - Piejko, Karl-Erwin; Ostarek, Ralph; and Reetz, Manfred T., 4,801,669, Cl. 526-238.000.
- Reeve, Jeffrey T.; and Giridhar, Rangaswamy P., to Unisys Corporation. Small computer systems interface—data link processor. 4,864,532, 9-5-89, Cl. 364-900.000.
- Reeve, Michael H.; and Cassidy, Stephen A., to British Telecommunications Public Limited Company. Optical fibre transmission lines. 4,796,970, 1-10-89, Cl. 350-96.230.
- Reeve-Parker, Michael C., to Ashland Oil, Inc. Powdered flux for treating aluminum-silicon alloys. 4,808,222, 2-28-89, Cl. 75-68.00R.
- Reeve-Parker, Michael C., to Ashland Oil, Inc. Process for treating molten aluminum alloy with powdered flux. 4,861,370, 8-29-89, Cl. 75-68.00R.
- Reeve, Peter J., to General Electric Company, p.l.c., The. Automated vehicle drift correction. 4,847,769, 7-11-89, Cl. 364-424.020.
- Reeves Brothers, Inc.: *See—*
  - Teumac, Fred N.; Ricciardi, Michael A.; Murph, Ronald L.; and Howard, Gregory W., 4,818,775, Cl. 521-107.000.
- Reeves, Charles B.: *See—*
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- Reeves, Charles H., Jr. Water flow controller. 4,873,650, 10-10-89, Cl. 364-510.000.
- Reeves, Gordon P., to G. P. Reeves Inc. Lubricant delivery system including flow measuring. 4,858,645, 8-22-89, Cl. 137-551.000.
- Reeves, Gregory L. Variable maze board game. 4,817,957, 4-4-89, Cl. 273-248.000.
- Reeves, John R., to Wausau Metals Corporation. Blind with light-transmitting slats. 4,799,526, 1-24-89, Cl. 160-168.100.
- Reeves, John W.: *See—*
  - Dedio, Edward L.; and Reeves, John W., 4,857,439, Cl. 430-349.000.
- Reeves, Kevin E.; and Santhouse, Daniel, to Clairol Incorporated. Hair brush. 4,860,775, 8-29-89, Cl. 132-118.000.
- Reeves, Kevin E.: *See—*
  - Santhouse, Daniel; and Reeves, Kevin E., 4,797,533, Cl. 219-225.000.
- Reeves, Stuart J.: *See—*
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- REFAC International, Limited: *See—*
  - Gough, George T., 4,838,410, Cl. 198-706.000.
- Refeka Werbemittel GmbH: *See—*
  - Gasser, Joachim, 4,885,859, Cl. 40-539.000.
- Refina Instruments AB: *See—*
  - Baecklund, Per, 4,814,198, Cl. 427-9.000.
- Re Fiorentin, Stefano; and Gaudenzi, Renzo, to Fiat Auto S.p.A. Method and apparatus for the non-destructive checking of spot welds between metal sheets produced by electric welding. 4,887,025, 12-12-89, Cl. 324-65.00R.
- Reflecta GmbH Foto-Flim Projection: *See—*
  - Kronbauer, Hermann; Kupper, Hermann; and Rehm, Christian, 4,854,697, Cl. 353-89.000.
- Reflection Technology, Inc.: *See—*
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- Reflexite Corporation: *See—*
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- Refraction Corporation, The: *See—*
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- Refraction Technology, Inc.: *See—*
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- Refractory Composites, Inc.: *See—*
  - Arenz, David L.; Paquette, Edward L.; and Simpson, Marc G., 4,863,798, Cl. 428-368.000.
- Refrigeration Engineering Corporation: *See—*
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- Refurbished Turbine Components Limited: *See—*
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- Regal Ware, Inc.: *See—*
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- Regalbuto, John A., to Halliburton Company. Modular perforating gun. 4,850,438, 7-25-89, Cl. 175-4.560.
- Regalia, Marcel: *See—*
  - Egee, Michel; Dartois, Robert; Marx, Jean; Merienne, Etienne; Regalia, Marcel; Poplimont, Philippe; and Van Schel, Etienne, 4,875,175, Cl. 364-551.010.
- Regan, Barbara R.: *See—*
  - Alexander, William; Anderson, Mark; and Regan, Barbara R., 4,820,773, Cl. 525-274.000.
  - Alexander, William; Anderson, Mark; and Regan, Barbara R., 4,824,901, Cl. 524-555.000.
- Regan, Barrie F. Stent for use following balloon angioplasty. 4,795,458, 1-3-89, Cl. 623-1.000.
- Regan, Bernard J.: *See—*
  - McCarthy, Brian D.; and Regan, Bernard J., 4,885,725, Cl. 367-129.000.
- Regan, Dennis J. Magnetic power converter. 4,883,977, 11-28-89, Cl. 307-401.000.
- Regan, Donald J., to NO-MA Engineering Incorporated. Quick-change over-spindle adapter. 4,810,139, 3-7-89, Cl. 408-239.00A.
- Regan, Donald J., to NO-MA Engineering Incorporated. Tool holder and gun drill or reamer. 4,815,899, 3-28-89, Cl. 408-141.000.
- Regan, Donald J.: *See—*
  - Scholl, Charles H.; and Regan, Donald J., 4,850,514, Cl. 222-146.500.
- Regan, James B.; Ikovich, George J.; Carlsen, James A.; Juelich, Richard J.; and Kogel, Henry G., to Amca International Corporation. Quick-release mooring apparatus for floating vessels. 4,878,452, 11-7-89, Cl. 114-293.000.
- Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., to Rorer Pharmaceutical Corporation. Bisarylamines. 4,795,757, 1-3-89, Cl. 514-415.000.
- Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., to Rorer Pharmaceutical Corporation. Aryl and heteroaryl substituted cycloalkyl compounds. 4,843,081, 6-27-89, Cl. 514-307.000.
- Regan, John R.: *See—*
  - Neuenschwander, Kent W.; Regan, John R.; and Kosmider, Benedict J., 4,863,957, Cl. 514-460.000.
- Regan, Michael C.: *See—*
  - Newton, Thomas A., Jr.; and Regan, Michael C., 4,844,185, Cl. 175-329.000.
- Regan, Paul. Athletic garment for protecting genital area. 4,811,427, 3-14-89, Cl. 2-2.000.
- Regan, Paul: *See—*
  - Flig, Alan Y.; and Regan, Paul, 4,841,287, Cl. 340-690.000.
- Regan, Raymond D.: *See—*
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- Regan, Robert J.: *See—*
  - Byszewski, Wojciech W.; Butler, Scott J.; Regan, Robert J.; and Proud, Joseph M., 4,888,528, Cl. 315-344.000.
- Regar, Karl-Nikolaus. Method of operating an internal combustion engine and an internal combustion engine designed for carrying out this method. 4,815,437, 3-28-89, Cl. 123-564.000.
- Regard, Dominique: *See—*
  - Venables, Anne; Regard, Dominique; and Laruelle, Gerard, 4,821,962, Cl. 239-265.150.
- Regas, Jennine: *See—*
  - Fernando, Ranjit S.; and Regas, Jennine, 4,836,216, Cl. 128-734.000.
- Regas, Kenneth A.; Coiner, Erich E.; and Beilicke, Frederich W., to Hewlett-Packard Company. Acoustic isolation timing belt pulley for drafting plotters. 4,806,953, 2-21-89, Cl. 346-136.000.
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- Reid, Michael. Orthopaedic trolley. 4,867,188, 9-19-89, Cl. 135-67.000.
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Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; and Beller, Hans-Albert, 4,804,236, Cl. 303-116.000.
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Reindl, Johan, to Emhart Industries, Inc. Plastics retaining clip. 4,867,400, 9-19-89, Cl. 248-68.100.

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Jager, Gerhard; Jautelat, Manfred; Arlt, Dieter; Reinecke, Paul; Brandes, Wilhelm; and Hanssler, Gerd, 4,826,865, Cl. 514-399.000.
Jager, Gerhard; Jautelat, Manfred; Kramer, Wolfgang; Buchel, Karl H.; Reinecke, Paul; Brandes, Wilhelm; Hanssler, Gerd; and Lurssen, Klaus, 4,878,939, Cl. 71-92.000.
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Weissmuller, Joachim; Reinecke, Paul; and Hanssler, Gerd, 4,824,844, Cl. 514-239.500.
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Reineke, Charles E.; and Jagodzinski, James A., to Dow Chemical Company, The. Anionic polysaccharide separation membranes. 4,851,120, 7-25-89, Cl. 210-500.250.

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Reineke, Karl E., to Akzo America Inc. Process for the preparation of alkyl diaryl phosphites and diaryl halophosphates. 4,820,853, 4-11-89, Cl. 558-99.000.

Reinelt, Kalrheinz; and Schwenzer, Michael. Propellant charge module. 4,864,932, 9-12-89, Cl. 102-282.000.

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Reineman, Richard G.; and Carver, George P. Adjustable chair. 4,854,641, 8-8-89, Cl. 297-345.000.

Reiner, Alberto, to Jago Research AG. Therapeutically active derivatives of ursodeoxycholic acid and process for preparing the same. 4,828,763, 5-9-89, Cl. 260-397.100.

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Reiner, Andreas, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Process for the production of a permselective and flexible anion exchange membrane. 4,871,778, 10-3-89, Cl. 521-27.000.

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Reiners, Jurgen; Podszun, Wolfgang; Winkel, Jens; Suling, Carlhans; and Klein, Gerhard, to Bayer Aktiengesellschaft. (Methyl)acrylic acid derivatives containing urethane groups. 4,879,402, 11-7-89, Cl. 560-26.000.

Reiners, Stanley J., to Syndetic Corporation. Generalized system for generating computer programs. 4,866,610, 9-12-89, Cl. 364-300.000.

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Reinert, Gerhard; and Burdeska, Kurt, to Ciba-Geigy Corporation. Process for improving the photochemical stability of dyeings on polyester fibre materials. 4,831,068, 5-16-89, Cl. 524-100.000.

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Reinhall, Rolf B. Combined hydrostatic/hydrodynamic bearing system for grinding apparatus. 4,801,099, 1-31-89, Cl. 241-101.200.

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Reinhardt, Eugen: *See—*

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Reinhart, Franz K., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Electro-optic polarization modulation in multi-electrode waveguides. 4,889,402, 12-26-89, Cl. 350-96.140.

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Reinhart, Theodore J., to United States of America, Air Force. Ultrasonic assisted protective coating removal. 4,858,264, 8-22-89, Cl. 15-93.00R.

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Reiniche, Andre, to Compagnie Generale des Etablissements Michelin - Michelin & Cie. Process for heat treating a carbon steel wire. 4,830,684, 5-16-89, Cl. 148-128.000.

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Reinl, Hubert; and Schmidt, Elke, to Nestec S.A. Dietetic starch-containing preparation. 4,857,356, 8-15-89, Cl. 426-620.000.

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Reinten, Hans, to Oce-Nederland B.V. Exposure device and printer with an led array. 4,839,672, 6-13-89, Cl. 346-160.000.

Reinten, Hans, to OCE-Nederland B.V. LED age correction means. 4,878,072, 10-31-89, Cl. 346-154.000.

Reintges, Rolf; and Stahlhut, Richard, to General Motors Corporation. Drip molding for the sliding/lift-up roof of a motor vehicle. 4,828,318, 5-9-89, Cl. 296-213.000.

Reintjes, Harold; and Lampert, Sam, to Petrocarb, Inc. Method and apparatus for effecting pneumatic conveyance of particulate solids. 4,883,390, 11-28-89, Cl. 406-24.000.

Reintjes, John F.; and Cooper, David G., to United States of America, Navy. Narrow-bandwidth unstable laser resonator. 4,868,515, 9-19-89, Cl. 330-4.300.

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Reinwall, Ernest W., to Elco Industries, Inc. Screw having a sealing washer. 4,875,818, 10-24-89, Cl. 411-369.000.

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Reip, Raymond G., to Dresser Industries, Inc. Modulating pressure operated pilot relief valve. 4,881,571, 11-21-89, Cl. 137-488.000.

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Reis, Gustave A. Smoke and liquid alarm. 4,841,282, 6-20-89, Cl. 340-521.000.

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Reis, Virginia H. Orange juice hair treatment method. 4,811,747, 3-14-89, Cl. 132-203.000.

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Gerhardinger, Dieter; Reisacher, Johannes; Stohr, Gunter; and Wegehaupt, Karl-Heinrich, 4,804,579, Cl. 428-304.400.

Reisch, Robert G., Jr.: *See—*

Murthy, Kuchi S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, 4,830,853, Cl. 424-440.000.

Reisch, Wolfgang: *See—*

Ohm, Heinz-Friedrich; and Reisch, Wolfgang, 4,821,266, Cl. 371-16.000.

Rumpf, Bernd; and Reisch, Wolfgang, 4,841,451, Cl. 364-484.000.

Reischig, Dirk; Hettche, Helmut; and Brade, Wolfgang, to Degussa Aktiengesellschaft. Synergistic combination of amantadiene and selegiline. 4,812,481, 3-14-89, Cl. 514-647.000.

Reischl, Arthur, to Bayer Aktiengesellschaft. Foam-containing polyurethane (urea) compositions and process for the preparation thereof. 4,855,052, 8-8-89, Cl. 210-632.000.

Reischl, Artur, to Bayer Aktiengesellschaft. Foam-containing polyurethane(urea) compositions and process for the preparation thereof. 4,801,621, 1-31-89, Cl. 521-53.000.

Reischl, Artur, to Bayer Aktiengesellschaft. Polymer carrier masses as carriers in biochemical conversion processes in the aqueous phase. 4,820,415, 4-11-89, Cl. 210-616.000.

Reischl, Artur; and Sahlmen, Friedhelm, to Bayer Aktiengesellschaft. Combustion of aqueous sewage sludge by the fluidized bed process. 4,834,003, 5-30-89, Cl. 110-346.000.

Reischl, Artur; and Mack, Kurt, to Bayer Aktiengesellschaft. Process for the preparation of filler-containing, antionically modified polyurethane (urea) compositions, the polyurethane (urea) compositions so-obtained, and the use thereof. 4,843,105, 6-27-89, Cl. 521-54.000.

Reischman, Paul T.: *See—*

LaPierre, Rene B.; Partridge, Randall D.; Reischman, Paul T.; and Kerr, George T., 4,840,530, Cl. 502-79.000.

Reisdorf, James E.: *See—*

Sellar, James R.; Reisdorf, James E.; Lappies, Mark F.; and Valle, Mark S., 4,852,740, Cl. 206-444.000.

Reisener, Delbert C.: *See—*

Deubler, Louis H.; Reisener, Delbert C.; and Pearson, Dennis G., 4,817,995, Cl. 285-98.000.

Reisenfeld, Sam, to Hughes Aircraft Company. Coherent switching system for a multiple beam antenna. 4,882,589, 11-21-89, Cl. 342-374.000.

Reisenfeld, Sam, to Hughes Aircraft Company. System for detecting the presence of a signal of a particular data rate. 4,887,280, 12-12-89, Cl. 375-121.000.

Reisenweber, Walter, to Siemens Aktiengesellschaft. Commutator motor with an insulating cover for the rotor shaft. 4,818,910, 4-4-89, Cl. 310-233.000.

Reiser, Carl A., to International Fuel Cells Corporation. Water and heat management in solid polymer fuel cell stack. 4,826,742, 5-2-89, Cl. 429-33.000.

Reiser, Peter; and Mohring, Fritz, to J. Eberspaecher. Heater plug cooled by the combustion air for heating appliances. 4,828,488, 5-9-89, Cl. 431-263.000.

Reiser, Wolf: *See—*

Kramer, Wolfgang; Weissmuller, Joachim; Reiser, Wolf; Berg, Dieter; Brandes, Wilhelm; and Reinecke, Paul, 4,826,857, Cl. 514-326.000.

Reisfeld, Ralph A.: *See—*

Honsik, Cyril J.; and Reisfeld, Ralph A., 4,844,893, Cl. 424-85.800.

Reising, Flavian, Jr.: *See—*

Smith, Peter H., deceased; Payne, Thomas R.; and Reising, Flavian, Jr., 4,835,353, Cl. 219-10.55B.

Smith, Peter H., deceased; and Reising, Flavian, Jr., 4,843,202, Cl. 219-10.55B.

Reising, John C.; and Miles, David E., to Glidden Company, The. Epoxy functional and silicone thermosetting powder coatings. 4,877,837, 10-31-89, Cl. 525-100.000.

Reising, John C.: *See—*

Woo, James T. K.; Reising, John C.; Marcinko, Richard M.; and Miles, David E., 4,879,344, Cl. 525-100.000.

Reisinger, Debra H.: *See—*

Griffin, Joseph J.; Reisinger, Debra H.; Smagula, Michael S.; and Tancredi, Michael R., 4,832,976, Cl. 426-660.000.

Reisinger, Gerhard: *See—*

Becker, Gunther; Reisinger, Gerhard; Taubenmann, Peter; and Lisker, Norbert, 4,865,226, Cl. 222-135.000.

Reisman, Howard, to Boca Foods Inc. Packing platter for foods, with decorative tab-engaged strip. 4,836,363, 6-6-89, Cl. 206-44.00R.

Reisman, Ron; and Amit, Uri. Protective breathing mask. 4,870,959, 10-3-89, Cl. 128-201.250.

Reismann, Hans-Jurgen; and Svagr, Alexandr, to SMS Schloemann-Siemag Aktiengesellschaft. Three-part roll assembly with exchangeable center part. 4,866,969, 9-19-89, Cl. 72-238.000.

Reiss, Amy C.: *See—*

Barton, John R.; Reiss, Amy C.; and Silverman, Sidney W., 4,832,755, Cl. 136-251.000.

Reiss, Heinz: *See—*

Wojtech, Bernhard; Rittner, Siegbert; Reiss, Heinz; and Zunder, Reinhard, 4,864,065, Cl. 568-155.000.

Reiss, James M.; Gezari, Walter; and Stidd, Robert, to Biodex Corporation. Muscle exercise and rehabilitation apparatus for the upper lumbar region. 4,802,462, 2-7-89, Cl. 128-25.00R.

Reiss, Leszek: *See—*

Kamieniecki, Emil; Reiss, Leszek; and Goldfarb, William C., 4,873,436, Cl. 250-315.300.

Reiss, Peter F., to Atlas Powder Company. Multi-directional signal transmission in a blast initiation system. 4,821,645, 4-18-89, Cl. 102-275.700.

Reiss, Wanda T.: *See—*

Bagdis, Carol; House, Glenn D.; and Reiss, Wanda T., 4,802,108, Cl. 364-715.010.

Reissenweber, Gernot: *See—*

Merkle, Hans; Mueller, Albrecht; Hamprecht, Gerhard; and Reissenweber, Gernot, 4,868,308, Cl. 546-310.000.

Richarz, Winfried; Reissenweber, Gernot; Pommer, Ernst-Heinrich; and Ammermann, Eberhard, 4,820,704, Cl. 514-247.000.

Reissman, Klaus: *See—*

Wolf, Wolfram; Reissman, Klaus; and Lembcke, Horst, 4,807,739, Cl. 198-415.000.

Reist, Walter, to Ferag AG. Apparatus for pressing the folded edges of folded paper products which are conveyed by a conveyor. 4,795,418, 1-3-89, Cl. 493-422.000.

Reist, Walter, to Ferag AG. Method and apparatus processing printed products. 4,801,132, 1-31-89, Cl. 270-55.000.

Reist, Walter, to Ferag AG. Method of, and apparatus for, fabrication of portable tubular-shaped packages formed of printed products, such as newspapers, periodicals, and the like and portable package produced according to the method. 4,811,548, 3-14-89, Cl. 53-409.000.

Reist, Walter, to SFT AG Spontanfordertechnik. Flexible drive transmission. 4,856,644, 8-15-89, Cl. 198-716.000.

Reist, Walter, to Ferag AG. Method and apparatus for transferring printed products arriving in at least one continuous product stream to the infeed paths or lines of at least two processing stations. 4,866,910, 9-19-89, Cl. 53-430.000.

Reist, Walter, to Ferag AG. Method and apparatus for receiving folded printed products from printing machines or the like. 4,886,260, 12-12-89, Cl. 270-60.000.

Reistle, Wolfgang: *See—*

Wachs, Ewald; Wagenseil, Ludwig; and Reistle, Wolfgang, 4,864,822, Cl. 60-427.000.

Walzer, Winfried; and Reistle, Wolfgang, 4,884,475, Cl. 74-862.000.

Reiswig, Gary J. Single cut clipper for artificial nails. 4,856,196, 8-15-89, Cl. 30-29.000.

Reitbacher, Franz: *See—*

Kefer, Volker; Kratzer, Werner; and Reitbacher, Franz, 4,829,831, Cl. 73-861.020.

Reiter, Ferdinand: *See—*

Asslaender, Peter; Hafner, Udo; and Reiter, Ferdinand, 4,830,286, Cl. 239-585.000.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.

Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.

  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,813,599, Cl. 239-456.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.
  - Hafner, Udo; and Reiter, Ferdinand, 4,857,003, Cl. 439-130.000.
- Reiter, Jozsef; Rivo, Endre; Reiter nee Esess, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan. Condensed cyclic triazole derivatives, pharmaceutical compositions and use. 4,831,029, 5-16-89, Cl. 514-232.500.
- Reiter, Lawrence A. 2-guanidino-4-(2-furyl) thiazoles as antiulcer agents. 4,814,341, 3-21-89, Cl. 514-370.000.
- Reiter Machine Works, Ltd.: *See—*
  - Schlepfer, Walter; and Staeheli, Christoph, 4,876,769, Cl. 19-105.000.
- Reiter nee Esess, Klara: *See—*
  - Reiter, Jozsef; Rivo, Endre; Reiter nee Esess, Klara; Fekete, Marton; Gogenyi, Frigyes; Petocz, Lujza; Gacsalyi, Istvan; and Gyertyan, Istvan, 4,831,029, Cl. 514-232.500.
- Reiter, Ralph H.; and Ekwall, C. Raymond, to Sartomer Company, Inc. Prevulcanization retardation of free-radical cured rubber. 4,857,571, 8-15-89, Cl. 524-248.000.
- Reiter, Richard C.: *See—*
  - Stevenson, Gerald R.; Espe, Matthew P.; and Reiter, Richard C., 4,849,075, Cl. 204-157.200.
- Reiter, Steve: *See—*
  - Pearson, Robert F.; Schurman, Richard; Schurman, John; Reiter, Steve; and Clark, Rick, 4,845,529, Cl. 355-32.000.
- Reiter, Thomas C., to Eastman Kodak Company. Curtain coating method and apparatus. 4,830,887, 5-16-89, Cl. 427-420.000.
- Reiter, Viktor: *See—*
  - Pfefferkorn, Bernd; Pfefferkorn, Hans; and Reiter, Viktor, 4,856,668, Cl. 215-329.000.
- Reiterman, Lee, to GTE Valenite Corporation. Generating head cutting tool. 4,852,438, 8-1-89, Cl. 82-131.000.
- Reith, Dirk V.: *See—*
  - Kohler, Karl; and Reith, Dirk V., 4,871,452, Cl. 210-167.000.
- Reith, Heribert: *See—*
  - Ott, Rudi; and Reith, Heribert, 4,800,001, Cl. 204-15.000.
- Reith, Johann-Stephan. Method and apparatus for shielding cargoes from condensate. 4,799,621, 1-24-89, Cl. 237-2.00A.
- Reith, Robert A., to Amoco Corporation. Method for preparing tufted pile carpet and adhesive therefor. 4,844,765, 7-4-89, Cl. 156-306.600.
- Reithel, Sibylle L.: *See—*
  - Wake, Ronald W.; Reithel, Sibylle L.; and McGuckin, Hugh G., 4,876,166, Cl. 430-7.000.
- Reitmeier, Glenn A., to General Electric Company. Multiple format digital video tape record and replay system. 4,843,485, 6-27-89, Cl. 360-9.100.
- Reitter, Erhardt, to Hehl. Karl. Hydraulic element and drawing die assembly. 4,796,453, 1-10-89, Cl. 72-347.000.
- Reitz, David B.: *See—*
  - Miller, William H.; Reitz, David B.; and Pulwer, Mitchell J., 4,804,499, Cl. 260-502.50F.
- Reitz, Hans-Joachim: *See—*
  - Wisotzki, Klaus-Dieter; Schaab, Udo; Reitz, Hans-Joachim; and Orczech, Juergen, 4,852,591, Cl. 134-57.00R.
- Reitz, Robert R., to Du Pont de Nemours, E. I., and Company. Ethylene copolymers with enhanced fire resistant properties. 4,849,135, 7-18-89, Cl. 252-606.000.
- Reitzel, Jimmie R. Quilted weight pad for sports gloves and method. 4,813,079, 3-21-89, Cl. 2-160.000.
- Rejc, Gabriel, to Efaflex Transport und Lagertechnik GmbH. Apparatus for controlling the opening and/or closing of high-speed shutter doors. 4,853,531, 8-1-89, Cl. 250-221.000.
- Rekart, Robert B.: *See—*
  - Palka, James J.; and Rekart, Robert B., 4,884,176, Cl. 362-135.000.
- Rekers, John W.; and Miley, John W., to Milliken Research Corporation. Process for preparing polyurethane resins colored with anthraquinone colorants and products produced thereby. 4,846,846, 7-11-89, Cl. 8-515.000.
- Rekers, Karl, to Dipl.-Ing. Karl Rekers Maschinenbau, Firma. Gripping device. 4,799,724, 1-24-89, Cl. 294-87.260.
- Rekers, Louis J.: *See—*
  - Heimberg, Manfred; and Rekers, Louis J., 4,847,339, Cl. 526-80.000.
- Rekow, John A. Display rack. 4,884,702, 12-5-89, Cl. 211-90.000.
- Relder, Edward J., to Varo, Inc. Image intensifier tube with integral CCD digital readout. 4,799,911, 1-24-89, Cl. 445-14.000.
- Rele' Finder S.p.A.: *See—*
  - Giordanino, Piero, 4,811,157, Cl. 361-142.000.
- Relenyi, Attila G.: *See—*
  - Walter, Richard W., Jr.; Relenyi, Attila G.; and Johnson, Robert L., 4,816,061, Cl. 71-67.000.
- Relhor S.A.: *See—*
  - Richard, Willy; and Jolidon, Francois, 4,821,541, Cl. 70-272.000.
- Reliability Incorporated: *See—*
  - Lape, Larry J.; and Salazar, Ramon A., 4,817,273, Cl. 29-741.000.
- Reliable Automatic Sprinkler Co., Inc., The: *See—*
  - Leininger, Ernest; Blum, Leonard; and Ponte, Gary W., 4,880,063, Cl. 169-37.000.
- Reliable Metal Stamping Co., Inc.: *See—*
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- Reliance Comm/Tec Corporation: *See—*
  - Colley, William C., III; and Kachmarik, David, 4,831,507, Cl. 363-21.000.
  - Corvino, Phil; and McCormick, Tom, 4,862,314, Cl. 361-119.000.
  - Dara, Prithipal, 4,876,630, Cl. 361-413.000.
  - Kaczmarek, Richard, 4,876,626, Cl. 361-119.000.
  - Kaczmarek, Richard, 4,878,146, Cl. 361-119.000.
  - Kammiller, Neil, 4,855,890, Cl. 363-44.000.
  - Rust, Wayne; and Bonnesen, John S., 4,862,311, Cl. 361-91.000.
  - Rust, Wayne; and Gilberts, Alexander G., 4,876,621, Cl. 361-58.000.
  - Suffi, Louis; and Dawson, Robert H., 4,827,502, Cl. 379-331.000.
  - Unger, John J.; and Suffi, Louis, 4,808,116. Cl. 439-94.000.
  - Unger, John J., 4,854,884, Cl. 439-92.000.
- Reliance Electric Company: *See—*
  - DeWachter, Gary, 4,875,786, Cl. 384-482.000.
  - Heshmat, Hooshang; and Gorski, Paul T., 4,863,291, Cl. 384-305.000.
  - Jordan, Howard E.; Woods, Edward J.; Caruso, John T.; and Forte, Luciano, 4,862,053, Cl. 318-786.000.
  - Maas, Harvey E., 4,846,260, Cl. 165-47.000.
  - Nisley, Donald L.; and Martinie, Howard M., 4,832,511, Cl. 384-480.000.
- Reliance Products, Division of Larson Mardon Group Limited: *See—*
  - Berney, Sheldon, 4,856,674, Cl. 220-258.000.
- Relis, Joseph: *See—*
  - Holtzman, Abraham M.; and Relis, Joseph, 4,816,070, Cl. 106-122.000.
  - Holtzman, Abraham M.; and Relis, Joseph, 4,882,202, Cl. 427-98.000.
- Rellick, Joseph R., to Du Pont de Nemours, E. I., and Company. Method for fabricating multilayer circuits. 4,799,984, 1-24-89, Cl. 156-89.000.
- Rellick, Joseph R., to Du Pont de Nemours, E. I., and Company. Method for fabricating multilayer circuits. 4,806,188, 2-21-89, Cl. 156-89.000.
- Rellis, Daniel, Jr.: *See—*
  - Jackson, Charles R.; Rellis, Daniel, Jr.; Pielet, Howard M.; Bhattacharya, Debanshu; Frank, Larry A.; Dasgupta, Purnendu; and Knoepke, John R., 4,852,632, Cl. 164-437.000.
  - Moscoe, Gerald F.; Matervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,828,014, Cl. 164-437.000.
  - Moscoe, Gerald F.; Mastervich, Joel C.; Kreevich, William J.; Knoepke, John R.; Rellis, Daniel, Jr.; Glennon, Roger J.; and Pielet, Howard M., 4,860,819, Cl. 164-437.000.
- Rello, Michael J.; and Bernardi, Richard B., to Interspec, Inc. Doppler peripheral vascular probe. 4,850,362, 7-25-89, Cl. 128-660.050.
- Relyea, Christopher M., to Drustar Inc. Drug control and dispensing assembly. 4,813,753, 3-21-89, Cl. 312-291.000.
- Relyea, Christopher M.; and Relyea, Michael S., to Drustar Inc. Back-to-back drawer assembly with staggered bypassing slides. 4,822,116, 4-18-89, Cl. 312-209.000.
- Relyea, Keith E.: *See—*
  - Chang, Robert W. H.; and Relyea, Keith E., 4,876,136, Cl. 428-130.000.
- Relyea, Michael S.: *See—*
  - Relyea, Christopher M.; and Relyea, Michael S., 4,822,116, Cl. 312-209.000.
- Relyea, Robert G., to Manufacturers Hanover Trust Company. Method of making plastic filter units having a welded cellulose filter. 4,849,061, 7-18-89, Cl. 156-308.400.
- Rem Chemicals, Inc.: *See—*
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- Rem Manufacturing Ltd.: *See—*
  - Rempel, Frank; Zacharias, Clarence M.; and Maxwell, Linden G., 4,881,855, Cl. 406-53.000.
- REM Systems, Inc.: *See—*
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- REM Technologies, Inc.: *See—*
  - Miller, William H.; and Grant, James J., 4,864,176, Cl. 310-194.000.
- Remaud, Magali M. C.: *See—*
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- Remaut, Rene Erik: *See—*
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- Rembliere, Jean-Michel: *See—*
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- Rembold, Helmut; Linder, Ernst; and Haag, Gottlob, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,879,984, 11-14-89, Cl. 123-450.000.
- Rembold, Helmut, to Robert Bosch GmbH. Valve control device with magnetic valve for internal combustion engines. 4,889,084, 12-26-89, Cl. 123-90.120.
- Rembold, Helmut: *See—*
  - Linder, Ernst; Rembold, Helmut; and Schlagmueller, Walter, 4,831,986, Cl. 123-449.000.
  - Linder, Ernst; Rembold, Helmut; Ruoff, Manfred; and Schlagmueller, Walter, 4,832,312, Cl. 251-129.070.
  - Linder, Ernst; Rembold, Helmut; and Teegen, Walter, 4,856,41 Cl. 123-506.000.
- Rembold, Manfred; Sitek, Franciszek; Rutsch, Werner; and Bernd Godwin, to Ciba-Geigy Corporation. Process for curing polyisocyanate coatings in the presence of a ferrocenium compound. 4,861,806, 8-29-89, Cl. 522-66.000.

- Rembold, Manfred: *See—*
  - Riediker, Martin; Steiner, Eginhard; Beyeler, Harry; Rembold, Manfred; and Sitek, Franciszek, 4,857,654, Cl. 556-53.000.
- Remco Research and Development, Inc.: *See—*
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- Remcor Products Company: *See—*
  - Koeneman, Robert M.; Miller, Benjamin D.; and Jablonski, Thaddeus M., 4,803,847, Cl. 62-68.000.
  - Miller, Benjamin D.; and Jablonski, Thaddeus M., 4,856,682, Cl. 222-238.000.
- Remec, Thomas M.: *See—*
  - Park, Yong S.; and Remec, Thomas M., 4,871,415, Cl. 156-626.000.
- Remenicky, Joseph M.: *See—*
  - Evans, Walter R.; Remenicky, Joseph M.; Jasper, Thomas E.; and Ballard, Wayne W., 4,875,351, Cl. 70-271.000.
- Remenyi, Karoly: *See—*
  - Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Bencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, 4,859,209, Cl. 44-51.000.
- Remer, James N., to General Electric Company. Angled strut diaphragm spring. 4,840,457, 6-20-89, Cl. 350-255.000.
- Remers, William A., to University Patents, Inc. Mitomycin analogs. 4,885,304, 12-5-89, Cl. 514-338.000.
- Remers, William A.; and Sami, Salah M., to University Patents, Inc. 6-substituted mitomycin analogs. 4,888,341, 12-19-89, Cl. 514-410.000.
- Remery, Patrick; and Boule, Jean-Pierre. Process for electronic payment using a memory. 4,822,984, 4-18-89, Cl. 235-375.000.
- Remfrey, James: *See—*
  - Kullmann, Bernhard; Remfrey, James; and Schlechtriem, Klaus, 4,842,340, Cl. 303-7.000.
- Remick, Robert J.: *See—*
  - Marianowski, Leonard G.; and Remick, Robert J., 4,859,296, Cl. 204-129.000.
- Remigio, Ros; and Achim, Storz, to Dieter Grasslin Feinwerktechnik. Circuit arrangement for power supply for electrical and electronic control or regulating devices. 4,803,379, 2-7-89, Cl. 307-112.000.
- Remijn, Mattheus G.: *See—*
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  - Weidenhaupt, Wolfgang; Wepner, Gunther; Dismon, Peter; and Remijn, Mattheus G., 4,878,343, Cl. 57-222.000.
- ReMine, Walter J.; and Belka, Anthony M., to Minnesota Mining and Manufacturing Company. False alarm minimization and direction determination methods. 4,888,579, 12-19-89, Cl. 340-572.000.
- Remington Arms Company: *See—*
  - Jakonczuk, Joseph W., 4,815,389, Cl. 102-453.000.
  - Mainland, Donald R., 4,866,869, Cl. 42-70.080.
  - Powers, Thomas P.; Seppala, Earl E.; and Young, James C., 4,872,392, Cl. 89-193.000.
  - Wallace, William D., 4,862,544, Cl. 7-118.000.
- Remington, Jack S.: *See—*
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- Remington, James A.: *See—*
  - Farrell, Arthur W.; and Remington, James A., 4,824,015, Cl. 238-336.000.
- Remington, John L.; and Seidel, Harry W., to Stanley Works, The. Cabinet with pivoted locking outrigger. 4,811,999, 3-14-89, Cl. 312-250.000.
- Remington Products, Inc.: *See—*
  - Locke, David R.; Miska, Aivars; and McCarthy, Richard M., 4,803,780, Cl. 30-34.100.
  - Locke, David R.; and Miska, Aivars, 4,813,133, Cl. 30-215.000.
  - Locke, David R., 4,825,542, Cl. 30-43.920.
  - Miska, Aivars, 4,805,300, Cl. 30-34.100.
- Remis, Robert J.: *See—*
  - Morris, Daniel L.; McManus, Michael; and Remis, Robert J., 4,822,978, Cl. 219-216.000.
- Remley, Gilbert W.: *See—*
  - Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F., 4,804,515, Cl. 376-216.000.
- Remmel, Wayne R., to Regal Ware, Inc. Knob with stainless steel cap. 4,862,552, 9-5-89, Cl. 16-118.000.
- Remmerie, Guido P. T. C.; and Van den Bossche, Luc J. L., to Alcatel N.V. Electronic contacts and associated devices. 4,821,315, 4-11-89, Cl. 379-412.000.
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  - Dal Busco, Giancarlo, 4,815,053, Cl. 368-294.000.
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  - Capdepuy, Marc; Lenormand, Regis; and Renaud, Daniel, 4,821,045, Cl. 343-781.00R.
- Renaud, Fredric T. Wallpaper border cutter device. 4,868,989, 9-26-89, Cl. 30-293.000.
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  - Neal, Martin, 4,851,843, Cl. 361-139.000.
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- Renk, Russell R.: *See—*
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  - Boehning, Karl-Heinz; Mross, Wolf D.; Schwarzmann, Matthias; Becker, Hans-Juergen; Plueckhan, Juergen; and Renner, Klaus-Christian, 4,829,043, Cl. 502-348.000.

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  - Josephs, Charles R., 4,854,460, Cl. 220-1.500.
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  - Simmons, Eugene D.; Thomson, Graham C., III; and Reynaud, Richard J., 4,861,239, Cl. 417-383.000.
- Rentmeester, Alan L.; and Pamperin, John M., to FMC Corporation. Rotary film sealing and severing head for thermoplastics. 4,840,009, 6-20-89, Cl. 53-373.000.
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- Rentzel, Richard T.: *See—*
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- Renz, Eric A.: *See—*
  - Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., 4,800,884, Cl. 128-419.00R.
- Renz, Mark B.: *See—*
  - Osterstrom, Gordon E.; Livshits, Leonid; and Renz, Mark B., 4,806,075, Cl. 415-170.00R.
- Renz, Roman: *See—*
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- Renzulli, Piero: *See—*
  - Renzulli, Francesco; Del Gaudio, Antonio; and Renzulli, Piero, 4,877,410, Cl. 8-94.120.
- Reott, Gerald A., to Collins & Aikman Corporation. Crease resistant laminate. 4,822,663, 4-18-89, Cl. 428-159.000.
- Repa, Otto, to Steyr-Daimler-Puch Aktiengesellschaft. Orthogonal adjusting mechanism and orthogonally adjustable sight. 4,815,217, 3-28-89, Cl. 33-257.000.
- Repasi, Janos: *See—*
  - Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, 4,866,089, Cl. 514-456.000.
- Repasky, Ray M.: *See—*
  - Rinker, Carl G.; Lyren, Robert E.; and Repasky, Ray M., 4,827,902, Cl. 126-548.000.
- Repe, Thouron; and Francois, Denis J., to Thomson-Brandt Armements. Ejectable closing device, especially for rockets with munitions. 4,879,941, 11-14-89, Cl. 89-1.140.
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- Repine, Joseph T.: *See—*
  - Hudspeth, James P.; Kaltenbronn, James S.; Repine, Joseph T.; and Woo, Peter W. K., 4,863,905, Cl. 514-18.000.
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  - Devash, Yair, 4,855,304, Cl. 514-47.000.
  - Palmer, John L.; and Anilionis, Algis, 4,888,280, Cl. 435-69.700.
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  - Taylor, Owen S.; Repp, Jeffrey R.; and Brown, Donald W., 4,831,297, Cl. 310-87.000.
- Reppel, Paul. Self-supporting storage container. 4,856,671, 8-15-89, Cl. 220-4.00F.
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- Reppen, William D. Wheeled carrier for a snow plow. 4,887,838, 12-19-89, Cl. 280-656.000.
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  - Habicht, Siegfried; Reppert, Rainer; and Hocker, Eitel-Friedrich, 4,879,957, Cl. 109-79.000.
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  - Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.
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  Hwang, Yu-Tsang G., 4,818,955, Cl. 331-78.000.
  Hwang, Yu-Tsang G., 4,875,182, Cl. 364-732.000.
Republic Industries, Inc.: *See—*
  Milke, David D., 4,851,746, Cl. 318-467.000.
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  Smith, Lawrence G., 4,870,596, Cl. 364-479.000.
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Rericha, Brian F.; and Miller, Paul H., to Microdot Inc. Fuel tank float. 4,862,745, 9-5-89, Cl. 73-322.500.
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  Stritzke, Bernard G.; and Rericha, Brian F., 4,799,691, Cl. 277-12.000.
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  Takatsu, Kozo; and Kawata, Noboru, 4,837,000, Cl. 423-328.000.
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  Nikiforov, Andrey; and Ventrone, Roger, 4,841,982, Cl. 128-716.000.
Research Corporation: *See—*
  Curtiss, Roy, III, 4,888,170, Cl. 424-93.000.
  DesMarteau, Darryl D., 4,828,764, Cl. 260-397.450.
  Durnin, James E.; and Eberly, Joseph H., 4,852,973, Cl. 350-162.110.
  Hall, Iris H.; Wyrick, Steven D.; and Chapman, James M., Jr., 4,861,778, Cl. 514-248.000.
  Hail, Iris H.; and Wyrick, Steven D., 4,863,967, Cl. 514-615.000.
  Issidorides, Costas H.; and Haddadin, Makhluf J., 4,866,175, Cl. 544-355.000.
  Khaled, M. Abu; Benington, Frederick; and Morin, Richard D., 4,820,706, Cl. 514-249.000.
  Lasslo, Andrew; Quintana, Ronald P.; Dugdale, Marion; and Johnson, Randy W., 4,798,830, Cl. 514-314.000.
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  Montaser, Akbar; Chan, Shi-Kit; and Van Hoven, Raymond L., 4,833,294, Cl. 219-121.520.
  Pegg, Anthony E.; and Erwin, Bradley G., 4,826,968, Cl. 536-27.000.
  Roy, Rustum; and Komarneni, Sridhar, 4,829,031, Cl. 501-134.000.
  Teng, Lin-nar L., 4,820,811, Cl. 536-21.000.
  Vander Jagt, David L.; and Royer, Robert E., 4,806,568, Cl. 514-522.000.
  Vestal, Marvin L.; Blakely, Calvin R.; and Fergusson, Gordon J., 4,814,612, Cl. 250-288.000.
  Waterbury, John B.; Watson, Stanley W.; Glazer, Alexander N.; and Ong, Linda J., 4,857,474, Cl. 436-501.000.
  Waterbury, John B.; Calloway, Charles B.; and Turner, Ruth D., 4,861,721, Cl. 435-252.100.
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  Bernat, Fred B., 4,857,309, Cl. 424-68.000.
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  Paddock, Gary V., 4,831,124, Cl. 536-27.000.
Research Corporation Technologies, Inc.: *See—*
  Allcock, Harry R.; Austin, Paul E.; and Kwon, Sukky, 4,880,622, Cl. 424-78.000.
  Gallaher, William R., 4,880,779, Cl. 514-15.000.
  Holton, Robert A.; Juo, Rouh-Rong; and Lowenthal, Richard, 4,876,399, Cl. 568-817.000.
  Kiely, Donald E.; and Lin, Tsu-Hsing, 4,833,230, Cl. 528-230.000.
  Pierce, William S.; and Rosenberg, Gerson, 4,820,300, Cl. 623-3.000.
  Siegwart, John T., Jr., 4,861,321, Cl. 474-133.000.
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  Efthimion, Philip C.; and Helfritch, Dennis J., 4,883,570, Cl. 204-164.000.
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  Higuchi, Toshiro, 4,882,837, Cl. 29-719.000.
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  Hayaishi, Osamu; Ueno, Ryuji; and Kuno, Sachiko, 4,880,742, Cl. 435-238.000.
  Hayashi, Yutaka; Hayabuchi, Itsunari; Tsuchiya, Tatsuo; and Ishihara, Seiichi, 4,868,632, Cl. 357-54.000.
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  Kumaki, Jiro, 4,839,463, Cl. 528-499.000.

  Kyushima, Hiroyuki; Nakamura, Kimitsugu; and Kato, Takahito, 4,881,008, Cl. 313-532.000.
  Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
  Masuzawa, Takahisa; and Sakai, Shigenori, 4,826,580, Cl. 204-129.430.
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  Nishizawa, Jun-ichi; and Kondoh, Hisao, 4,837,608, Cl. 357-38.000.
  Nishizawa, Junichi; Abe, Hitoshi; and Suzuki, Soubei, 4,806,321, Cl. 422-245.000.
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  Ogata, Naoya; Sanui, Kohei; Yui, Nobuhiko; Kataoka, Kazunori; Okano, Teruo; and Sakurai, Yasuhisa, 4,873,292, Cl. 525-408.000.
  Okada, Masao; Sakai, Kazuhiko; Kimura, Haruo; and Ikada, Yoshito, 4,878,907, Cl. 623-1.000.
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  Yamaguchi, Youko; and Shimizu, Hiroshi, 4,888,814, Cl. 382-21.000.
  Yamashita, Takaji; Uchida, Hiroshi; Shimizu, Keiji; and Omura, Tomohide, 4,823,016, Cl. 250-363.030.
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  El-Megeed, Mohamed E. A.; and Sands, David C., 4,889,810, Cl. 435-252.900.
Research & Education Institute, Harbor-UCLA Medical Center Inc.: *See—*
  Buster, John E.; and Simon, James A., 4,816,257, Cl. 424-430.000.
Research and Education Institute, Inc. Harbor-UCLA Medical Center: *See—*
  Kim, William C., 4,815,455, Cl. 128-92.00Z.
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  Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, 4,849,358, Cl. 435-252.000.
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  Wisniewski, Henryk M.; Kascsak, Richard J.; Rubenstein, Richard; Merz, Patricia A.; and Tonna-DeMasi, Maria, 4,806,627, Cl. 530-387.000.
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  Anderson, Wayne K., 4,806,561, Cl. 514-427.000.
  Apicella, Michael A., 4,859,421, Cl. 422-61.000.
  Bardos, Thomas J.; Ho, Yau-Kwan; Kasper, Steven J.; and Hughes, Robert G., Jr., 4,882,147, Cl. 424-85.400.
  Bardos, Thomas J.; Perlman, Michael E.; and MacDiarmid, Joan E., 4,886,790, Cl. 514-83.000.
  Budhu, Muniram, 4,854,175, Cl. 73-841.000.
  Clark, David M., 4,805,225, Cl. 382-15.000.
  Cohen, Harold L., 4,819,371, Cl. 43-131.000.
  Holmes, David S., 4,830,969, Cl. 435-259.000.
  Inouye, Masayori; Nakamura, Kenzo; and Masui, Yoshihiro, 4,863,855, Cl. 435-68.000.
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  Kleinberg, Israel; and Sreebny, Leo M., 4,820,506, Cl. 424-40.000.
  Obligin, Alan; Xia, Du W.; Silberman-Hazony, Ruth; Rawls, H. Ralph; Cabasso, Israel; and Smid, Johannes, 4,866,132, Cl. 525-107.000.
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  Pollock, Jerry J.; and McNamara, Thomas F., 4,861,582, Cl. 424-520.000.
  Pollock, Jerry J.; and Docherty, John J., 4,863,900, Cl. 514-12.000.
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  Smid, Johannes; Cabasso, Israel; Obligin, Alan; and Rawls, H. Ralph, 4,882,392, Cl. 525-328.600.
  Valenti, Andrew; Perez, Antonio; and Ben-Zvi, Seymour, 4,857,857, Cl. 324-555.000.
Research Foundation, The City University of New York: *See—*
  Broderick, Patricia A., 4,883,057, Cl. 128-631.000.
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  Suzuki, Yasuhiro; Remington, Jack S.; Desmonts, Georges; and Thulliez, Philippe, 4,877,726, Cl. 435-7.000.
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  Goins, Gary D., 4,856,234, Cl. 51-284.00R.
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  Grunwald, Ronald P.; and Todd, Robert J., 4,804,359, Cl. 604-4.000.
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  Blankenship, Ernest B., 4,823,408, Cl. 4-111.500.
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  Ward, David L., 4,824,076, Cl. 254-384.000.
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  Cook, C. Edgar; Tallent, C. Ray; Reel, Jerry R.; and Wani, Mansukh C., 4,861,763, Cl. 514-172.000.
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  Markunas, Robert J.; Hendry, Robert; and Rudder, Ronald A., 4,870,030, Cl. 437-81.000.
  Pierce, John L.; and Kanopoulos, Nick, 4,837,447, Cl. 250-492.200.
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  Hobbelt, Hendrik J. H.; Burgemeister, Eduard A.; and Kroon, Theodorus J. P. M., 4,802,662, Cl. 271-20.000.
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  van der Donk, A. H.; van den Berg, F.; and Snoeij, J., 4,824,321, Cl. 414-757.000.
Resele, Peter: *See—*
  Cameron, Dugald; Friedrich, Karl; Zmugg, Rudolf; and Resele, Peter, 4,867,260, Cl. 180-360.000.
  Lanzer, Heribert; and Resele, Peter, 4,842,111, Cl. 192-35.000.
Resh, John, to McGill Manufacturing Company. High voltage switch assembly. 4,849,584, 7-18-89, Cl. 200-6.00R.
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  Wenger, Kari J.; and Reshanov, Eugene N., 4,819,902, Cl. 248-460.000.
Reshke, Robert A.; and Piergrossi, Rocco T. Protective trailer 4,856,838, 8-15-89, Cl. 296-14.000.
Resinoid Engineering Corporation: *See—*
  Mead, Richard A.; and Nobles, James L., 4,831,717, Cl. 29-597.000.
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  McDonald, Gerald H., 4,835,833, Cl. 29-525.000.
Resler, Daniel P., to Raytheon Company. Liquid crystal cell window. 4,882,235, 11-21-89, Cl. 428-642.000.
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Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, to Innofinance Altalanos Innovacios Penzintezet. Process for the rapid determination of sperm cell count and/or living sperm count. 4,880,732, 11-14-89, Cl. 435-29.000.
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- Reuter, Rene F.: *See—*
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  - Sanchez, Hernando; Franczak, Richard M.; and Futter, Menachem, 4,883,197, Cl. 221-26.000.
  - Schefer, Eli I., 4,826,014, Cl. 206-581.000.
  - Socci, Robert L.; Ismailer, Anatoly A.; and Castrogiovanni, Anthony, 4,832,944, Cl. 424-61.000.
- Revnivtsev, Vladimir I.; Zarogatsky, Leonid P.; Denisov, Genrikh A.; and Fedyakov, Viktor V., to Vsesojuzny Nauchno-Issledovatelsky I Proektny Institut Mekhanicheskoi Obrabotki Poleznykh Iskopaemykh. Cone crusher. 4,844,362, 7-4-89, Cl. 241-210.000.
- Revol, Gerard; and Barthomeuf, Jean-Paul, to Societe De Prospection Et D'Inventions Techniques (S.P.I.T.). Expansion peg having first and second expansion members frangibly connected together. 4,869,630, 9-26-89, Cl. 411-40.000.

Revol, Gerard; Roillet, Maxime; and Barthomeuf, Jean-Paul, to Societe de Prospection et d'Invention Techniques S.P.I.T. Suspension peg. 4,884,931, 12-5-89, Cl. 411-57.000.
Rew, James A.: *See—*
  Ankrom, Michael J.; and Rew, James A., 4,801,069, Cl. 228-180.200.
  Ankrom, Michael J.; Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., 4,840,305, Cl. 228-232.000.
  Bowcutt, Corey H.; Buckley, John J., Jr.; and Rew, James A., 4,802,276, Cl. 29-739.000.
Rewcastle, Gordon W.: *See—*
  Atwell, Graham J.; Baguley, Bruce C.; Denny, William A.; and Rewcastle, Gordon W., 4,795,826, Cl. 564-99.000.
Rex, Albert E. Base plate insert. 4,801,084, 1-31-89, Cl. 238-351.000.
Rex, Bertram R.: *See—*
  Lindner, Richard; and Rex, Bertram R., 4,797,720, Cl. 357-39.000.
Rex, James R. Disposable umbrella. 4,819,679, 4-11-89, Cl. 135-19.500.
Rex, William A.; and Riggs, Robert S., to Goodyear Tire & Rubber Company, The. Tread splicer. 4,808,257, 2-28-89, Cl. 156-421.000.
Rexair, Inc.: *See—*
  Armstrong, William H.; Linder, Peter E.; Kasper, Gary; and Rohn, Dean R., 4,825,502, Cl. 15-339.000.
  Erickson, Roy O.; Selewski, Steve; and Alberts, John, 4,851,017, Cl. 55-256.000.
  Erickson, Roy O., Jr., 4,824,333, Cl. 417-360.000.
Rexene Products Company: *See—*
  Allen, George C.; Pellon, Brian J.; and Hughes, Michael P., 4,847,340, Cl. 526-125.000.
  Pellon, Brian J.; Allen, George C.; and Hughes, Michael P., 4,859,757 Cl. 526-348.000.
Rexham Corporation: *See—*
  Ellison, Thomas M.; and Winton, Robert A., 4,810,540, Cl. 428-31.000.
Rexnord Corporation: *See—*
  Deal, Douglas O., 4,880,107, Cl. 198-779.000.
  Gescheidle, Gregory A.; and Williams, Steven S., 4,867,580, Cl. 384-252.000.
  Hodlewsky, Wasyly G.; and Schroeder, Roger H., 4,809,846, Cl. 198-853.000.
  Hodlewsky, Wasyly G., 4,858,751, Cl. 198-834.000.
  Hodlewsky, William G., 4,858,753, Cl. 198-853.000.
Rexnord Holdings Inc.: *See—*
  Harbin, Thomas E., 4,886,407, Cl. 411-104.000.
  Harmon, Raymond E.; and McCown, William R. E., 4,852,923, Cl. 292-341.180.
  Reece, Marvin P.; Schepergerdes, Wilhelm F.; and Renfrow, Frampton, 4,854,613, Cl. 285-39.000.
  Tedesco, Albert D.; Stammreich, John C.; Harmon, Raymond E.; and Rourne, William R., Jr., 4,858,970, Cl. 292-113.000.
Rexnord Inc.: *See—*
  Anderson, William B., 4,840,269, Cl. 198-822.000.
  Cosenza, Frank J.; and Warkentin, Roy L., 4,805,288, Cl. 29-426.500.
  Dinger, William A., 4,824,303, Cl. 411-79.000.
  Do, Tai H., 4,861,207, Cl. 411-104.000.
  Harmon, Raymond E.; McCown, William R. E.; and Zankich, Frank A., 4,798,408, Cl. 292-341.180.
  Hodlewsky, Wasyly G.; and Schroeder, Roger H., 4,865,183, Cl. 198-834.000.
  Hodlewsky, William G., 4,821,869, Cl. 198-779.000.
  McCorkle, Daniel J.; and Do, Tai H., 4,877,271, Cl. 285-39.000.
  Meineke, William S., 4,830,530, Cl. 403-12.000.
  Shirai, Yoji, 4,818,165, Cl. 411-178.000.
  Yamamoto, Albert K.; and Read, Frank C., 4,869,680, Cl. 439-327.000.
Rexnord Kette GmbH & Co KG: *See—*
  Langhans, Gerhard P.; Fett, Jurgen; and Oelschiager, Karl G., 4,823,939, Cl. 198-805.000.
Rexroad, John: *See—*
  Denny, David S.; Metzger, Edward R.; Rexroad, John; and Glynn, William, 4,815,562, Cl. 182-138.000.
  Denny, David S.; Metzger, Edward C. R.; Rexroad, John; and Glynn, William, 4,875,549, Cl. 182-138.000.
Rey, Charles A.: *See—*
  Danley, Thomas J.; and Rey, Charles A., 4,841,495, Cl. 367-191.000.
Rey, Claude: *See—*
  Damin, Bernard; Eber, Daniele; Hoornaert, Pierre; and Rey, Claude, 4,834,892, Cl. 252-32.70E.
Rey, Louis; Ottar, Brynjulf; and Lafon, Louis, to Laboratoire L. Lafon. Filter comprising a material obtained by freeze-drying, method of preparation and use especially in pharmacy. 4,883,507, 11-28-89, Cl. 55-97.000.
Rey, Maurice: *See—*
  Bocquet, Jean-Louis; Gouttebessis, Jacques; and Rey, Maurice, 4,857,128, Cl. 156-244.120.
Rey, Max: *See—*
  Hunkeler, Franz; Rey, Max; and Wunder, Renate, 4,868,027, Cl. 428-42.000.
Rey, Miguel A.: *See—*
  Trinidad, Antonio; Zayas Luna, Victor M.; and Rey, Miguel A., 4,876,865, Cl. 70-203.000.
Rey, Pierre; Leandri, Jacqueline; and Dahhan, Philippe. Temporary prosthesis for tendons and ligaments, and a method of fitting same. 4,804,383, 2-14-89, Cl. 623-13.000.
Rey, Pierre; Leandri, Jacqueline; Abbou, Clement; and Sezeur, Alain, to Centre National de la Recherche Scientifique. Rechargeable implantable device for dosed and repeated self-injection of medicament. 4,857,059, 8-15-89, Cl. 604-185.000
Rey, Pierre: *See—*
  Buffet, Eric; Dragoni, Christian; and Rey, Pierre, 4,838,519, Cl. 251-129.210.
Rey, Pierre J.; and DeRaco, Maurice, to Eaton S.A.M. Three-port fluid valve. 4,859,005, 8-22-89, Cl. 303-119.000.
Rey, Susan P.: *See—*
  Boffardi, Bennett P.; and Rey, Susan P., 4,798,683, Cl. 252-389.540.
Reye, Catherine: *See—*
  Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, 4,835,316, Cl. 564-505.000.
  Corriu, Robert J.; Cerveau, Genevieve E.; Chuit, Claude G.; and Reye, Catherine, 4,841,084, Cl. 556-464.000.
Reyes, Frank. Microclean plastic bottle and handle system. 4,832,216, 5-23-89, Cl. 215-100.00A.
Reyes, Franklin: *See—*
  Finnieston, Alan; Burkhalter, William E.; Reyes, Franklin; and Latta, Loren L., 4,873,968, Cl. 128-87.00R.
Reyes, Jose L., to Morency, Carol S. Method of changing injection molds. 4,805,285, 2-21-89, Cl. 29-407.000.
Reyes, Manolito Q.: *See—*
  Landau, Richard F.; Millikin Jr., William E.; Puchacz, Jerzy P.; Reyes, Manolito Q.; and Schadler, Walter, 4,857,160, Cl. 204-192.120.
Reyes, Ruben, Jr. Container handle attachment. 4,842,158, 6-27-89, Cl. 220-94.00R.
Reyes, Zoila: *See—*
  Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., 4,795,542, Cl. 204-403.000.
Reymann, Alfred: *See—*
  Seibig, Bernd; Reymann, Alfred; and Dittmer, Helmut, 4,848,935, Cl. 384-276.000.
Reymann, Wolfgang: *See—*
  Albrecht, Peter; Reymann, Wolfgang; Vogel, Klaus; and Werner, Hermann, 4,828,783, Cl. 264-292.000.
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
Reymond, Philippe, to Jaeger. Damping device and a device for measuring the level of fuel in a motor vehicle fuel tank including such a damping device. 4,821,571, 4-18-89, Cl. 73-317.000.
Reynal, Thomas J. Uninterruptible power supply inverter circuit. 4,827,150, 5-2-89, Cl. 307-66.000.
Reynard CVC, Inc.: *See—*
  Herr, Arthur; Welles, Toby S.; and Johnson, Robert W., 4,881,640, Cl. 206-313.000.
Reynaud, Bernard: *See—*
  Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.
Reynaud, Jean M., to Avions Marcel Dassault-Breguet Aviation. Method and device for representing the horizon on board an aircraft. 4,878,054, 10-31-89, Cl. 340-975.000.
Reynaud, Richard J.: *See—*
  Simmons, Eugene D.; Thomson, Graham C., III; and Reynaud, Richard J., 4,861,239, Cl. 417-383.000.
Reyne, Darwin O. Controlled wick-type herbicide applicator. 4,887,384, 12-19-89, Cl. 47-1.500.
Reyneri, Justin M.: *See—*
  El Gamal, Abbas A.; El-Ayat, Khaled A.; Greene, Jonathan W.; Guo, Ta-Pen R.; and Reyneri, Justin M., 4,873,459, Cl. 307-465.000.
Reyneri, Leonardo M., to Agence Spatiale Europeenne. Very low power analog multiplexers. 4,813,041, 3-14-89, Cl. 370-112.000.
Reynolds, Bruce A.; and Brengauz, Alexander, to Quad/Tech, Inc. Cutoff control system. 4,882,764, 11-21-89, Cl. 382-8.000.
Reynolds, Bruce A.; and Brengauz, Alexander, to Quad/Tech, Inc. Cutoff control system. 4,885,785, 12-5-89, Cl. 382-8.000.
Reynolds, Bruce E.: *See—*
  Hung, Chi-Wen; and Reynolds, Bruce E., 4,830,736, Cl. 208-251.00H.
Reynolds, Charles: *See—*
  Waters, Mark H.; Reynolds, Charles; Root, John A.; and Whiteman, Robert N., Jr., 4,808,125, Cl. 439-607.000.
Reynolds, Charles A., to American Home Products Corporation. Digital delay circuit. 4,825,109, 4-25-89, Cl. 307-601.000.
Reynolds Company, The: *See—*
  Jain, Surendra, 4,839,222, Cl. 428-290.000.
Reynolds, David F., to Barry Wright Corporation. Shock isolation device. 4,850,490, 7-25-89, Cl. 206-583.000.
Reynolds, David L., to Duoject Medical Systems Inc. Syringe. 4,861,335, 8-29-89, Cl. 604-88.000.
Reynolds, David L., to Duoject Medical Systems Inc. Vial-based prefilled syringe system for one or two component medicaments. 4,886,495, 12-12-89, Cl. 604-88.000.
Reynolds, David W., to Sundstrand Corporation. Specialized hose connector for connecting hydraulic hoses and ports of different ratings. 4,874,190, 10-17-89, Cl. 285-158.000.
Reynolds, Desmond H. J., to Lucas Industries. Master cylinder 4,813,236, 3-21-89, Cl. 60-585.000.

Reynolds, Desmond H. J., to Lucas Industries Public Limited Company. Plastic master cylinder with flange-supporting arms. 4,823,553, 4-25-89, Cl. 60-585.000.
Reynolds, Edward C., Jr., to Laser Products Corporation. Light beam assisted aiming of firearms. 4,856,218, 8-15-89, Cl. 42-103.000.
Reynolds, Francis A. Wedge member for use on carpeted floors. 4,881,293, 11-21-89, Cl. 16-86.00A.
Reynolds, George A.: *See—*
  Hinshaw, Jerald C.; Toner, John L.; and Reynolds, George A., 4,801,722, Cl. 549-211.000.
Reynolds, George H.: *See—*
  McQuillan, Barry W.; and Reynolds, George H., 4,885,120, Cl. 264-60.000.
Reynolds, George O.; and Mueller, Peter F., to Honeywell Inc. Optical filter for incoherent imaging systems. 4,804,249, 2-14-89, Cl. 350-437.000.
Reynolds, Glenn F.: *See—*
  Rasmusson, Gary H.; and Reynolds, Glenn F., 4,859,681, Cl. 514-284.000.
Reynolds, Gordon F.: *See—*
  Liggins, Brian D.; Round, Timothy S.; Welch, Stuart J.; and Reynolds, Gordon F., 4,796,923, Cl. 285-27.000.
Reynolds, Graeme E.: *See—*
  Barrier, Miller M.; Reynolds, Graeme E.; and Pesek, Daniel J., 4,817,669, Cl. 137-627.500.
Reynolds, Graham A., to Rolls-Royce plc. Fluid flow control apparatus. 4,842,017, 6-27-89, Cl. 137-601.000.
Reynolds, Howard S., to Connerton Appliance Company. Over and under radiant broiler oven. 4,805,588, 2-21-89, Cl. 126-51.000.
Reynolds, Hugh M.; and Kawabata, Curt M., to United States of America, Air Force. Contemporary composite polar boss. 4,807,531, 2-28-89, Cl. 102-347.000.
Reynolds, Hugh M.; and Kawabata, Curt M., to United States of America, Air Force. Advanced composite polar boss. 4,852,347, 8-1-89, Cl. 60-253.000.
Reynolds, James F.: *See—*
  Davis, Paul J.; and Reynolds, James F., 4,863,731, Cl. 424-93.000.
Reynolds, James H.: *See—*
  Dibble, Gary L.; Reynolds, James H.; and Stene, Susan L., 4,804,338, Cl. 439-583.000.
Reynolds, James M., to Zulauf, Inc. Orthodontic appliance. 4,878,840, 11-7-89, Cl. 433-9.000.
Reynolds, John: *See—*
  Daly, John M.; and Reynolds, John, 4,883,661, Cl. 424-85.200.
Reynolds, John D. Ground radon flux sampling device. 4,880,973, 11-14-89, Cl. 250-253.000.
Reynolds, John G., to Chevron Research Company. Demetalation of hydrocarbonaceous feedstocks using dibasic carboxylic acids and salts thereof. 4,853,109, 8-1-89, Cl. 208-252.000.
Reynolds, John H., IV: *See—*
  Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
  Norman, Alan B.; Griffith, David W., Jr.; Holt, Dewey L.; Reynolds, John H., IV; and Sears, Stephen B., 4,858,628, Cl. 131-329.000.
Reynolds, John S.: *See—*
  Burns, Norbert A.; Reynolds, John S.; Hansen, Willard; and Hutton, Kenneth R., 4,851,090, Cl. 204-129.700.
Reynolds, Keith Y.: *See—*
  Johnson, Brion; Kesti, Michael R.; and Reynolds, Keith Y., 4,890,163, Cl. 358-181.000.
Reynolds, Kenneth: *See—*
  Brown, D. E.; and Reynolds, Kenneth, 4,820,846, Cl. 548-420.000.
Reynolds/Leteron, Co.: *See—*
  de Gelder, Jacob; and Anderson, J. Becker, 4,867,056, Cl. 101-19.000.
Reynolds, Loyd I. Bow sight. 4,823,474, 4-25-89, Cl. 33-265.000.
Reynolds Metals Company: *See—*
  Ashton, Richard F.; and Ward, Bennie R., 4,830,682, Cl. 148-11.50A.
  Caldwell, Janice D.; and Knox, Walter H., III, 4,880,697, Cl. 428-35.400.
  Compton, Carl L.; and Newman, James D., 4,850,422, Cl. 164-473.000.
  Holliday, William H., 4,805,019, Cl. 358-107.000.
  Knox, Walter H., III; and Layne, Ronald E., 4,851,272, Cl. 428-35.200.
  Knox, Walter H., III; and Layne, Ronald E., 4,863,770, Cl. 428-35.700.
  Schwaikert, William E., 4,817,801, Cl. 206-519.000.
  Scott, Darwin H.; and Wade, Kenneth D., 4,828,794, Cl. 420-529.000.
  Thompson, Gerald L., 4,847,334, Cl. 525-438.000.
  Whitaker, Charles F., 4,883,166, Cl. 198-688.100.
Reynolds, Michael G., to General Motors Corporation. Wrench-jack adapter to loosen wheel nuts. 4,829,856, 5-16-89, Cl. 81-52.000.
Reynolds, Michael J., to Blount, Inc. Sprocket with radial clearing means. 4,816,010, 3-28-89, Cl. 474-92.000.
Reynolds, Mickey R.: *See—*
  Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey R.; Santana, Manuel R.; and Webster, George H., 4,844,575, Cl. 350-96.230.
Reynolds, Patricia E. Protective entrance device for birdhouses. 4,846,110, 7-11-89, Cl. 119-23.000.
Reynolds, Paul A.: *See—*
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Reynolds, Paul B.: *See—*
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Reynolds, Richard P., to Ciba-Geigy Corporation. Closed system chemical container. 4,802,513, 2-7-89, Cl. 141-311.00R.
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  Erikson, Evans W.; Reynolds, Richard W.; and Ryan, Daniel M., 4,817,459, Cl. 74-687.000.
  Flygare, Wayne A.; Olson, Raymond N.; Reynolds, Richard W.; and Aleem, Mohd A., 4,882,513, Cl. 310-114.000.
  Stroze, Mark S.; and Reynolds, Richard W., 4,875,403, Cl. 91-482.000.
Reynolds, Robert C.: *See—*
  Marcum, Bruce; and Reynolds, Robert C., 4,876,985, Cl. 119-4.000.
Reynolds, Robert G.: *See—*
  Weiss, Herbert D.; and Reynolds, Robert G., 4,803,092, Cl. 426-646.000.
Reynolds, Robert R.: *See—*
  Evans, Neil L.; Tombolato, Aldo L.; Reynolds, Robert R.; and Meisner, Robert J., 4,880,104, Cl. 198-445.000.
Reynolds, Rodger: *See—*
  Clarke, Donald A.; Reynolds, Rodger; and Pryor, Timothy R., 4,863,268, Cl. 356-237.000.
Reynolds, Samuel D., Jr.; and Cheruvu, Narayana S., to Westinghouse Electric Corp. Hardfacing technique and improved construction for inlet steam sealing surfaces of steam turbines. 4,850,794, 7-25-89, Cl. 415-136.000.
Reynolds, Scott D.: *See—*
  Funari, Joseph; Green, Mary C.; Reynolds, Scott D.; and Sammakia, Bahgat G., 4,849,856, Cl. 361-386.000.
Reynolds, Scott K.; Vook, Dietrich W.; and Gibbons, James F., to Leland Stanford Junior University, The Board of Trustees of the. Rapid thermal annealing of gallium arsenide with trimethyl arsenic overpressure. 4,879,259, 11-7-89, Cl. 437-247.000.
Reynolds, Stan L.; and Picker, James E., to Maxwell Laboratories, Inc. Extraction of pollutants by inorganic chelation. 4,828,712, 5-9-89, Cl. 210-688.000.
Reynolds, Stanley J., Jr.: *See—*
  Ortiz, Patricia A.; Reynolds, Stanley J., Jr.; and Moss, Daniel E., 4,864,877, Cl. 73-863.520.
Reynolds, Valdon G.; Wood, Steven M.; and Sorenson, Joseph T., to Sorenson Development Incorporated. Dispenser for medicaments in meltable formulations. 4,865,480, 9-12-89, Cl. 401-175.000.
Reynolds, W. Daniel: *See—*
  Baumgartner, Norbert; Elrick, David E.; and Reynolds, W. Daniel, 4,819,375, Cl. 47-80.000.
Reynolds, William N.; and Milne, James M., to United Kingdom Atomic Energy Authority. Crack sizing. 4,825,326, 5-2-89, Cl. 374-5.000.
Reynvaan, Conrad H. H.: *See—*
  Bruun, Dieter; Dietz, Wolfgang; Muller, Klaus-Jurgen; and Reynvaan, Conrad H. H., 4,806,224, Cl. 204-222.000.
Rez, Donald H.: *See—*
  Dunton, Harvey R.; and Rez, Donald H., 4,830,505, Cl. 366-2.000.
  Dunton, Harvey R.; and Rez, Donald H., 4,872,913, Cl. 106-88.000.
Rezanka, Ivan, to Xerox Corporation. Thermal ink jet printer adapted to operate in monochrome, highlight or process color modes. 4,833,491, 5-23-89, Cl. 346-140.00R.
Rezanka, Ivan: *See—*
  Torpey, Peter A.; Rezanka, Ivan; Deshpande, Narayan V.; and Drake, Donald J., 4,835,553, Cl. 346-140.000.
Rezek, Ron, to Beverly Hills Trading Company, Inc. Ceiling fan assembly. 4,884,947, 12-5-89, Cl. 416-5.000.
Rezhets, Vadim: *See—*
  Jandeska, William F.; Rezhets, Vadim; and Ligotti, Carlo, 4,849,164, Cl. 419-11.000.
  Jandeska, William F., Jr.; Rezhets, Vadim; and Ligotti, Carlo, 4,886,637, Cl. 419-12.000.
Reznik, David. Vacuum chamber system. 4,826,698, 5-2-89, Cl. 426-320.000.
Rezvani, Behrooz, to General Electric Company. Dual frequency NMR surface coil. 4,799,016, 1-17-89, Cl. 324-318.000.
Rha, ChoKyun; Pradipasena, Pasawadee; Nakamura, TetsuHisa; Easson Jr., Donald D.; and Sinskey, Anthony J., to Massachusetts Institute of Technology. Method for utilizing an exocellular polysaccharide isolated from zoogloea ramigera. 4,851,393, 7-25-89, Cl. 514-54.000.
Rha, ChoKyun: *See—*
  Jamas, Spiros; Rha, ChoKyun; and Sinskey, Anthony J., 4,810,646, Cl. 435-101.000.
Rhea, George: *See—*
  Reneau, Bobby L.; Rhea, George; and Owens, Gary, 4,854,927, Cl. 493-27.000.
Rheaume, Lisa J.: *See—*
  Whalen, Joseph W.; Swartz, Gregory L.; Rheaume, Lisa J.; and McCoy, Karen M., 4,859,599, Cl. 435-252.600.
Rhee, Dennis W.; and Fletcher, Sidney R., to Ford Motor Company. Anti-theft system. 4,803,460, 2-7-89, Cl. 340-63.000.
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  Tsang, Peter; Rhee, Seong; Jacko, Michael; and Kubik, James, 4,883,023, Cl. 123-25.00A.

- Rhee, Seung J.; and Simpson, Larry L., to Union Carbide Chemicals and Plastics Company Inc. Fluidized bed polymerization reactors. 4,877,587, 10-31-89, Cl. 422-135.000.
- Rheem Australia Ltd.: *See—*
  - Collins, Richard; Pailthorpe, Bernard; and Bourke, Brendan, 4,834,066, Cl. 126-443.000.
- Rheem Empreendimentos Industriais E. Comerciais S/A: *See—*
  - La Rovere, Ruggiero, 4,856,176, Cl. 29-511.000.
- Rheem Manufacturing Company: *See—*
  - Chmielewski, Konrad G., 4,888,957, Cl. 62-84.000.
  - Daugirda, Paul G., 4,813,383, Cl. 122-159.000.
  - Nozaki, Michio B., 4,848,616, Cl. 219-322.000.
  - Shellenberger, Timothy J., 4,887,959, Cl. 431-46.000.
- Rhein-Flugzeugbau GmbH: *See—*
  - Fischer, Hans-Otto; and Hosemann, Siegfried, 4,795,308, Cl. 415-119.000.
  - Fischer, Hans-Otto; and Gronau, Karl H., 4,863,351, Cl. 416-203.000.
  - Negendank, Helmut; and Wedekind, Reinhard, 4,805,159, Cl. 367-127.000.
- Rhein-Knudsen, Erik: *See—*
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,814,609, Cl. 250-254.000.
  - Wraight, Peter D.; Marienbach, Edouard; Hache, Jean-Michel; Rhein-Knudsen, Erik; and Evans, Mike, 4,879,463, Cl. 250-270.000.
- Rhein, Linda D.: *See—*
  - Simion, Frederick A.; Rhein, Linda D.; Blake-Haskins, John C.; Babuiak, Stephen W.; and Cantore, Robert V., 4,828,750, Cl. 252-142.000.
- Rheingold, Lawrence M. Power transmission apparatus. 4,795,014, 1-3-89, Cl. 192-60.000.
- Rheinhold & Mahla GmbH: *See—*
  - Rissel, Heinz, 4,878,324, Cl. 52-125.200.
- Rheinisch-Westfalische Kalwerke AG: *See—*
  - Plank, Friedrich W.; Machnig, Helmut; Mischke, Georg H.; Friedrichs, Reinhard; and Nahrmann, Norbert, 4,878,623, Cl. 241-5.000.
- Rheinisch-Westfalisches Elektrizitatswerk Akteingesellschaft: *See—*
  - Distler, Klaus; Enders, Rolf; and Gohlich, Dieter, 4,828,787, Cl. 376-245.000.
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  - Brungel, Norbert; and Schumacher, Hermann-Josef, 4,881,949, Cl. 48-197.00R.
  - Lambertz, Johannes; Adlhoch, Wolfgang H.; Mittelstadt, Alfred G.; and Hermann, Wolfgang, 4,852,994, Cl. 48-197.00R.
  - Range, Jochen; Hohlein, Bernd; Niessen, Hans; Vau, Volker; Schiebahn, H. J. R.; Hoffmann, Horst; and Vorwerk, Manfred, 4,839,391, Cl. 518-712.000.
  - Ritter, Gunter; Asmuth, Peter; and Raible, Ludwig, 4,839,148, Cl. 423-239.000.
- Rheinische Maschinenfabrik & Eisengiesserei, Anton Roeper GmbH & Co. KG: *See—*
  - Mitzner, Horst; and Dellen, Franz, 4,819,918, Cl. 266-207.000.
- Rheinmetal GmbH: *See—*
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- Rheinmetall GmbH: *See—*
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  - Becker, Wilfried; and Bisping, Bernhard, 4,872,409, Cl. 102-517.000.
  - Bierwirth, Adolf-Peter; Sauerwald, Walter; Hulsewis; and Metz, Josef, 4,838,144, Cl. 89-46.000.
  - Bocker, Jurgen; Furch, Benjamin; Pfaehler, Jorg; and Peters, Jorg, 4,848,238, Cl. 102-476.000.
  - Boder, Dieter, 4,873,416, Cl. 219-121.640.
  - Buchele-Buecher, Sigfrid, 4,803,925, Cl. 102-381.000.
  - Fischer, Helmut, 4,840,110, Cl. 89-46.000.
  - Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.
  - Grosswendt, Werner; and Unterstein, Klaus, 4,889,030, Cl. 89-1.140.
  - Grosswendt, Werner; Unterstein, Klaus; and Simon, Walter, 4,889,053, Cl. 102-348.000.
  - Gurs, Karl, 4,835,784, Cl. 372-58.000.
  - Koine, Richard, 4,796,512, Cl. 89-11.000.
  - Kruse, Heinz-Josef; and Karius, Klaus D., 4,803,929, Cl. 102-524.000.
  - Kruse, Heinz-Josef; Karius, Klaus D.; and Sippel, Achim, 4,884,508, Cl. 102-524.000.
  - Metz, Josef, 4,867,038, Cl. 89-43.010.
  - Metz, Josef, 4,875,402, Cl. 89-43.010.
  - Moll, Manfred, 4,807,435, Cl. 60-253.000.
  - Nordmann, Adolf, 4,885,976, Cl. 89-35.010.
  - Pahnke, Klaus-Dieter, 4,819,518, Cl. 89-46.000.
  - Post, Lothar; and Schneider, Bernhard, 4,807,513, Cl. 89-11.000.
  - Post, Lothar; Schneider, Bernhard; and Menges, Horst, 4,869,150, Cl. 89-11.000.
  - Prochnow, Jurgen; Peters, Jorg; Theis, Ulrich; and Karius, Klaus D., 4,797,985, Cl. 29-1.210.
  - Seidensticker, Jens, 4,856,431, Cl. 102-427.000.
  - Sippel, Achim; Kruse, Heinz-Josef; and Karius, Klaus D., 4,870,905, Cl. 102-524.000.
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  - Wallow, Peter; and Bethmann, Karl W., 4,850,280, Cl. 102-522.000.
  - Winkler, Gert; Zielinski, Erich; and Bierwirth, Adolf P., 4,833,969, Cl. 89-36.130.
  - Winkler, Gert; and Nordmann, Adolf, 4,836,085, Cl. 89-45.000.
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- Rhen, Dennis, to A. Stucki Company. Draft gear follower fender. 4,846,358, 7-11-89, Cl. 213-64.000.
- Rhenter, Jean-Luc; and Collomb, Jean, to Rhenter, Jean-Luc; Collomb, Jean; and Bejui, Jacques. Prosthetic cupule. 4,878,916, 11-7-89, Cl. 623-18.000.
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  - Hayashi, Torahiko; and Shibata, Sadao, 4,844,296, Cl. 222-1.000.
  - Hayashi, Torahiko; and Tashiro, Yasunori, 4,859,479, Cl. 426-281.000.
  - Hayashi, Torahiko, 4,880,375, Cl. 425-335.000.
  - Morikawa, Michio; and Hayashi, Torahiko, 4,883,417, Cl. 425-140.000.
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- Rhoades, Clark J. Nut starter. 4,838,131, 6-13-89, Cl. 81-57.430.
- Rhoades, Dean. Combination fishhook and swivel. 4,798,022, 1-17-89, Cl. 43-44.830.
- Rhoades, George D.: *See—*
  - Tyree, Lewis, Jr.; Gyger, Roger F.; and Rhoades, George D., 4,888,955, Cl. 62-47.100.
- Rhoades, James J.; and Kopriva, Steven D. Tool for applying body side molding strip. 4,838,986, 6-13-89, Cl. 156-574.000.
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- Rhoades, Mark L.: *See—*
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- Rhoades, Melvin F. Portable filleting table. 4,833,999, 5-30-89, Cl. 108-38.000.
- Rhoads, Benjamin J., to N/COR Inc. Rod pump optimization system. 4,854,164, 8-8-89, Cl. 73-155.000.

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- Rhoads, Richard M. Telephone dialing system. 4,817,136, 3-28-89, Cl. 379-357.000.
- Rhoads, Robert. High sensitivity chromatography detector. 4,838,688, 6-13-89, Cl. 356-72.000.
- Rhoads, Thomas G.; and Cornish, Paul M., to Torrington Company, The. Thrust bearing assembly. 4,883,374, 11-28-89, Cl. 384-618.000.
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- Rhodenizer, Harold L., to MacDermid, Incorporated. Catalyst solutions for activating non-conductive substrates and electroless plating process. 4,863,758, 9-5-89, Cl. 427-97.000.
- Rhodes, Alan, to Ethical Pharmaceuticals Limited. Slow release formulation. 4,880,830, 11-14-89, Cl. 424-470.000.
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- Rhodes, James A.: *See—*
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- Rhodes, Jim L. Hay bale elevator apparatus. 4,854,809, 8-8-89, Cl. 414-685.000.
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  - Rasmussen, Steve O.; Jackson, Larry A.; Rhodes, John D.; Pinkernell, David W.; Harmon, J. Paul; Moon, Kevin L.; and Huseby, William R., 4,872,026, Cl. 346-140.00R.
- Rhodes, Keith J.; and Voorheis, Scott D., to Magnetic Products, Inc. Magnetic can laner. 4,823,531, 4-25-89, Cl. 198-445.000.
- Rhodes, Melvin H., to United States of America, Air Force. Digital detection circuit. 4,803,701, 2-7-89, Cl. 375-102.000.
- Rhodes, Melvin H., to United States of America, Air Force. Detection apparatus for bi-phase signals. 4,809,301, 2-28-89, Cl. 375-87.000.
- Rhodes, Michael L. P.; and Parker, David A., to AE PLC. Pistons with oil retaining depressions. 4,809,591, 3-7-89, Cl. 92-159.000.
- Rhodes, Michael L. P., to AE PLC. Piston with stiffening structure for lower skirt regions. 4,817,505, 4-4-89, Cl. 92-237.000.
- Rhodes, Michael L. P., to AE PLC. Pistons with bearing lands. 4,876,947, 10-31-89, Cl. 92-187.000.
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- Rhodes, Robert B.; and Bean, Arthur R., to Shell Oil Company. Star shaped asymmetric block copolymer of monoalkenyl aromatic hydrocarbon and conjugated diene. 4,849,481, 7-18-89, Cl. 525-314.000.
- Rhodes, Robert B., to Shell Oil Company. Viscosity index improver and composition containing same. 4,877,836, 10-31-89, Cl. 525-89.000.
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- Rhodes, Stephen; and Simon, James E. Collapsable elongated articles including sailboards and the like. 4,807,549, 2-28-89, Cl. 114-39.200.
- Rhodes, Thomas R.; and Brennan, Thomas J., to General Signal Corporation. Transit rail deicing system. 4,854,244, 8-8-89, Cl. 104-279.000.
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  - Barthelemy, Pascal; and Camberlin, Yves, 4,847,344, Cl. 526-262.000.
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  - Coquard, Jean; and Goletto, Jean, 4,826,951, Cl. 528-339.300.
  - Corriu, Robert; Cerveau, Genevieve; Chuit, Claude; Reye, Catherine; and Boudin, Alain, 4,835,316, Cl. 564-505.000.
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  - Cyprien, Guy; Fisch, Alain; Haggiage, Johnny; Porte, Hugues; Prazuck, Thierry; and Torres, Ghislaine, 4,886,661, Cl. 424-78.000.
  - David, Claire; Magnier, Claude; and Latourrette, Bertrand, 4,859,432, Cl. 423-21.100.
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  - Desmurs, Jean-Roger; and Ratton, Serge, 4,853,153, Cl. 252-400.220.
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Gradeff, Peter S., 4,883,689, Cl. 427-297.000.
Gradeff, Peter S.; and Ramirez, Carlos, 4,886,624, Cl. 252-308.000.
Gradeff, Peter S.; and Davison, John F., 4,889,771, Cl. 428-541.000.
Spooner, James P.; and Stiles, Alvin B., 4,868,150, Cl. 502-439.000.

Rhone-Poulenc Nederland B.V.: *See—*
Ayad, Hafez M., 4,798,839, Cl. 514-351.000.
Bishop, Paul W.; and Wundschock, Karl H., 4,824,024, Cl. 239-333.150.
Chou, David T.; and Cain, Paul A., 4,873,264, Cl. 514-594.000.
Fellows, Constance A., 4,847,413, Cl. 564-255.000.
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Kowite, William J.; and Oestreicher, Stephen L., 4,840,660, Cl. 71-86.000.

Rhone-Poulenc Recherches: *See—*
Commarmot, Roger, 4,805,469, Cl. 73-864.810.
Fabre, Albert, 4,810,384, Cl. 210-500.230.

Rhone-Poulenc Sante: *See—*
Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, 4,801,602, Cl. 514-398.000.
Ardaillon, Pierre; Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,877,621, Cl. 424-498.000.
Autant, Pierre; Bourrain, Paul; and Cartillier, Andre, 4,832,967, Cl. 426-96.000.
Autant, Pierre; Cartillier, Andre; and Pigeon, Raymond, 4,876,097, Cl. 426-74.000.
Barreau, Michel; Comte, Marie-Therese; Farge, Daniel; Malleron, Jean-Luc; Ponsinet, Gerard; and Roussel, Gerard, 4,826,974, Cl. 540-593.000.
Barreau, Michel; Comte, Marie-Therese; Malleron, Jean-Luc; and Ponsinet, Gerard, 4,831,034, Cl. 514-255.000.
Barriere, Jean-Claude; Cotrel, Claude; and Paris, Jean-Marc, 4,798,827, Cl. 514-183.000.
Berger, Christian, 4,798,895, Cl. 544-41.000.
Bertrand, Claude; and Wolf, Gerard, 4,849,417, Cl. 514-162.000.
Bouchaudon, Jean; Farge, Daniel; and James, Claude, 4,868,326, Cl. 560-159.000.
Caude, Marie-Celine; Morel, Didier; and Pulicani, Jean-Pierre, 4,795,538, Cl. 204-111.000.
Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,814,470, Cl. 514-449.000.
Colin, Michel; Guenard, Daniel; Gueritte-Voegelein, Francoise; and Potier, Pierre, 4,857,653, Cl. 549-511.000.
Deschamps, Maurice; Floc'h, Francois; Jung, Gerard; and Margraff, Rodolphe, 4,810,692, Cl. 514-11.000.
Dubroeucq, Marie-Christine; and Renault, Christian, 4,808,599, Cl. 514-320.000.
Duhamel, Lucette; and Duhamel, Pierre, 4,876,370, Cl. 549-455.000.
Gueremy, Claude; Maillard, Francoise; and Musch, Bruno, 4,882,345, Cl. 514-367.000.
Jolles, Pierre; Migliore-Samour, Daniele; and Parker, Fabienne, 4,851,509, Cl. 530-329.000.
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Mignani, Gerard; and Morel, Didier, 4,806,280, Cl. 260-408.000.
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Rhone-Poulenc, S.A.: *See—*
Bonnebat, Claude; Macabrey, Louis; and Roullet, Gilbert, 4,871,410, Cl. 156-244.140.
Jung, Gerard; and Mugnier, Jacques, 4,886,664, Cl. 424-93.000.
Lissot, Jean; Vasseur, Jean-Pierre; Thomas, Jean-Pierre; and Pascal, Claude, 4,796,197, Cl. 364-500.000.

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Amiet, Louis; and Langlois, Bernard, 4,883,904, Cl. 560-174.000.
Chane-Ching, Jean-Yves; and Dumousseau, Jean-Yves, 4,822,580, Cl. 423-293.000.
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Chevallier, Yvonick, 4,874,594, Cl. 423-335.000.
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Cros, Patrick; and Pipon, Robert, 4,873,323, Cl. 536-114.000.
Desbois, Michael; and Disdier, Camille, 4,876,376, Cl. 558-412.000.
Desbois, Michel; and Langlois, Bernard, 4,837,364, Cl. 568-43.000.
Girardeau, Yvette; Gaudinet, Patrick; and Queuche, Sylvie, 4,867,972, Cl. 424-81.000.
Jacques, Roland; Reppelin, Michel; and Seigneurin, Laurent, 4,822,903, Cl. 558-312.000.
Jacubert, Serge; Boudot, Bernard; and Nataf, Philippe, 4,831,964, Cl. 118-725.000.
LeBlanc, Jean-Claude; and Ratton, Serge, 4,876,396, Cl. 568-779.000.
Lebrun, Jean-Jacque; and Porte, Hugues, 4,866,149, Cl. 526-279.000.
Lebrun, Jean-Jacques; and Porte, Hugues, 4,861,844, Cl. 525-475.000.
Leising, Frederic, 4,857,585, Cl. 524-815.000.
Lepage, Jean-Luc; and Simon, Gerard, 4,836,997, Cl. 423-342.000.
Millet, Claude, 4,849,388, Cl. 502-102.000.
Rakoutz, Michel, deceased, 4,886,868, Cl. 528-170.000.
Ratton, Serge, 4,851,566, Cl. 560-181.000.
Robin, Jean, 4,828,753, Cl. 252-182.200.
Vinot, Bernard; Berrod, Gerard; and Brun, Jean-Louis, 4,799,546, Cl. 166-293.000.

Rhoton, William L.; and Sabell, Gary M., to Rhoton, William L. Detachable tip for fishing rod. 4,860,485, 8-29-89, Cl. 43-24.000.
Rhyne, Theodore L., to Marquette Electronics, Inc. Apparatus and method for obtaining ultrasonic backscatter measurement from tissue. 4,881,549, 11-21-89, Cl. 128-660.070.
Riahi, Shantia, to Air Products and Chemicals, Inc. Ion beam implant system. 4,855,604, 8-8-89, Cl. 250-492.200.
Riahi, Shantia: *See—*
Lagendijk, Andre; and Riahi, Shantia, 4,851,255, Cl. 427-38.000.
Rial, Terry. Grease absorption box for roof use. 4,887,588, 12-19-89, Cl. 126-299.00R.
Rialan, Joseph: *See—*
Deconinck, Bernard; Oliveres, Andre; Rialan, Joseph; and Thierry, Gerard, 4,815,044, Cl. 367-77.000.
Riall, James D., to Eastman Kodak Company. Disc film and lens supporting unit. 4,853,751, 8-1-89, Cl. 355-76.000.
Rials, Robert A.: *See—*
Dennehy, Michael J., Jr.; and Rials, Robert A., 4,836,735, Cl. 414-475.000.
Rialto Enterprises, Ltd.: *See—*
Carrell, Michael W.; and Gericke, Stephen H., 4,846,796, Cl. 604-110.000.
Rias, Jean-Claude, to Isover Saint-Gobain. Process for packaging panels of a compressible material and the packages produced by the process. 4,799,350, 1-24-89, Cl. 53-399.000.
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Riaud, Alain: *See—*
Bourgeaux, Pierre; and Riaud, Alain, 4,841,297, Cl. 341-11.000.
Riazi, John, to Hygenic Corporation, The. Thermoplastic endodontic composition having improved melt flow index. 4,882,407, 11-21-89, Cl. 526-340.200.
Riba, Gunther. Steam generator. 4,881,493, 11-21-89, Cl. 122-13.00A.
Riback, Richard. Motor unit bearing. 4,862,026, 8-29-89, Cl. 310-90.000.

Ribalta Baro, Jose M.: *See—*
Frigola Constansa, Jordi; Ribalta Baro, Jose M.; and Campon Pardo, Julio, 4,797,483, Cl. 544-49.000.
Ribba, Alain, to Manufacture de Produits Chimiques Protex. Cross-linked carboxylic copolymers usable as thickeners in aqueous media and preparation thereof. 4,800,220, 1-24-89, Cl. 526-238.230.
Ribbing, Wilfried: *See—*
Bartmann, Martin; and Ribbing, Wilfried, 4,814,431, Cl. 528-491.000.
Bartmann, Martin; and Ribbing, Wilfried, 4,868,283, Cl. 528-480.000.
Ribbon Technology Corporation: *See—*
Hackman, Lloyd E.; Dickson, James; Dunlap, David L.; and Handshey, Mark E., 4,813,472, Cl. 164-463.000.
Ribeiro, Antonio C. H.; Gryner, David; and Capella, Antonio P. Process for the preservation and cleaning of hydrophilic lenses. 4,834,804, 5-30-89, Cl. 134-4.000.
Ribellino, James V., Jr. Personalized mailing envelope or carrier and method of enclosing a personalized letter in a personalized mailing envelope or carrier. 4,828,104, 5-9-89, Cl. 229-71.000.
Riberi, Bernd: *See—*
Hohlein, Peter; Kreiss, Eberhard; Mory, Franz; and Riberi, Bernd, 4,798,859, Cl. 525-7.000.
Ribesse, Jacques, to Distrigaz S.A. Process for the cocurrent gasification of coal. 4,813,179, 3-21-89, Cl. 48-210.000.
Ribi, Edgar E., to Ribi Immunochem Research Inc. Method of inhibiting the onset of septicemia and endotoxemia. 4,844,894, 7-4-89, Cl. 424-88.000.
Ribi, Edgar E., to Ribi Immunochem Research Inc. Refined detoxified endotoxin. 4,866,034, 9-12-89, Cl. 514-2.000.
Ribi, Hans O. Novel lipid-protein compositions and articles and methods for their preparation. 4,859,538, 8-22-89, Cl. 428-474.400.
Ribi ImmunoChem Research Inc.: *See—*
Cantrell, John L.; and Rudbach, Jon A., 4,803,070, Cl. 424-92.000.
Cantrell, John L., 4,806,352, Cl. 424-92.000.
Cantrell, John L., 4,877,611, Cl. 424-88.000.
Ribi, Edgar E., 4,844,894, Cl. 424-88.000.
Ribi, Edgar E., 4,866,034, Cl. 514-2.000.
Ribier, Alain: *See—*
Handjani, Rose M.; Ribier, Alain; Vanlerberghe, Guy; Zabotto, Arlette; and Griat, Jacqueline, 4,830,857, Cl. 424-450.000.
Riblett, Susan E., to Eastman Kodak Company. Multiactive electrophotographic element. 4,869,986, 9-26-89, Cl. 430-59.000.
Riblett, Susan E., to Eastman Kodak Company. Multiactive electrophotographic reusable element. 4,869,987, 9-26-89, Cl. 430-59.000.
Ribner, Aaron. Microwave plasma etching machine and method of etching. 4,804,431, 2-14-89, Cl. 156-345.000.
Ribnitz, Peter, to Prazisions-Werkzeuge AG. Method and apparatus for measuring a quantity of particles deposited on a metal body to be coated with powder. 4,816,285, 3-28-89, Cl. 427-10.000.
Ribnitz, Peter. Electrostatic powder coating installation and method of operating the same. 4,883,506, 11-28-89, Cl. 55-96.000.
Riboh, Moise: *See—*
Ruegg, Richard J.; Slovak, William R.; and Riboh, Moise, 4,837,382, Cl. 426-503.000.
Ribolla, G. Carlo; Taroni, Federico; Peiretti, Domenico; and Pepino, Antonio, to Leglertex S.r.l. Method for detecting anomalies in corduroy preparation. 4,870,727, 10-3-89, Cl. 26-10.00C.
RICAL S.A.: *See—*
Obadia, Jacques, 4,796,769, Cl. 215-232.000.
Ricard, Claude F. Device for mechanically connecting terminals on a set of conductive wires to respective terminals or slots of an electrical component. 4,864,718, 9-12-89, Cl. 29-739.000.
Ricard, Gary R.: *See—*
DeLorme, Dennis S.; Holm, Mark L.; Lee, Wilson D.; Passe, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., 4,819,156, Cl. 364-200.000.
Ricard, Sylvio. Tractor-controlled hammer assembly. 4,889,192, 12-26-89, Cl. 173-22.000.
Ricard, Vernon F. Odor removing device for toilets. 4,882,790, 11-28-89, Cl. 4-213.000.
Ricards, John D., to Eastman Kodak Company. Method for making a multi-head magnetic head assembly. 4,825,532, 5-2-89, Cl. 29-603.000.
Ricaud, Alain M.; and Artigliere, Fiore, to Solarex Corporation. Portable photovoltaic battery recharger. 4,808,904, 2-28-89, Cl. 320-2.000.
Ricaud, Jean-Luc; and Plos, Bernard, to Thomson-CSF. Picture taking tube having a bias light device. 4,823,045, 4-18-89, Cl. 313-371.000.
Ricca, Richard N.: *See—*
Brown, James H.; and Ricca, Richard N., 4,857,025, Cl. 441-65.000.
Ricca, Tom L. Page turning device. 4,882,969, 11-28-89, Cl. 84-487.000.
Riccar America Company: *See—*
Kroll, Clarence P.; Neal, Craig J.; and Trapp, Robert L., 4,831,683, Cl. 15-361.000.
Riccato, Aldo: *See—*
Reichbauer, Hermann; Mueller, Rudi; and Riccato, Aldo, 4,881,074, Cl. 340-825.050.
Ricchini, John A., to Universal Simplex Building System. Prefabricated building construction. 4,858,398, 8-22-89, Cl. 52-90.000.
Ricci, Donato L. Portable end preparation apparatus. 4,799,409, 1-24-89, Cl. 82-4.00C.
Ricci, Donato L. Valve reseater apparatus and method. 4,856,390, 8-15-89, Cl. 82-172.000.
Ricci, Fannie. Fragrance sack. 4,854,501, 8-8-89, Cl. 239-54.000.
Ricci, Francesco, to Golden Trade S.r.l. Apparatus for treating fabrics and fabric garments. 4,841,751, 6-27-89, Cl. 68-29.000.
Ricci, Marco: *See—*
Francalanci, Franco; Ricci, Marco; Cesti, Pietro; and Venturello, Carlo, 4,865,771, Cl. 562-567.000.
Ricci, Raffaele; and Rotondi, Gabriele, to Bull HN Information Systems Italia S.p.A. Power recovery circuit. 4,835,655, 5-30-89, Cl. 361-159.000.
Ricci, Raymond L.: *See—*
Anderson, Gary D.; Hladik, Gerald J.; Mosher, Lawrence G.; Ricci, Raymond L.; and Yeh, Henry, 4,868,783, Cl. 364-900.000.
Ricci, Riziero: *See—*
Rescalli, Carlo; Ricci, Riziero; Scazzosi, Adriano; and Cianci, Flavio, 4,874,474, Cl. 203-18.000.
Ricci, Robert L.: *See—*
Andrew, Gary D.; Galla, Edward A.; and Ricci, Robert L., 4,797,240, Cl. 264-46.400.
Ricciardelli, Robert H. Fiber optic light mode mixer. 4,877,305, 10-31-89, Cl. 350-96.300.
Ricciardi, Michael A.: *See—*
Teumac, Fred N.; Ricciardi, Michael A.; Murph, Ronald L.; and Howard, Gregory W., 4,818,775, Cl. 521-107.000.
Ricciardi, Ronald J.; and Bober, Mark, to Acrison, Inc. Mechanism for metering solid materials which flow in a manner similar to liquids. 4,804,111, 2-14-89, Cl. 222-77.000.
Ricciardi, Ronald J.; and Laidlaw, John, to Acrison, Inc. Wild-flow loss-in-weight weighing system. 4,867,343, 9-19-89, Cl. 222-1.000.
Riccio, Louis M.; and Bosna, Alexander A. Method of adhering thermal spray to substrate and product formed thereby. 4,883,703, 11-28-89, Cl. 428-142.000.
Riccitiello, Salvatore R.; Hsu, Ming-Ta S.; and Chen, Timothy S., to United States of America, National Aeronautics and Space Administration. Boron-containing organosilane polymers and ceramic materials thereof. 4,851,491, 7-25-89, Cl. 528-4.000.
Riccitiello, Salvatore R.: *See—*
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Ricco, Gary: *See—*
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Ricco, Mario: *See—*
Ausiello, Francesco P.; Ricco, Mario; and De Matthaeis, Sisto Luigi, 4,872,438, Cl. 123-514.000.
Filippi, Renato; and Ricco, Mario, 4,870,940, Cl. 123-506.000.
Ricco, Michele: *See—*
Macocco, Dino; and Ricco, Michele, 4,856,986, Cl. 432-72.000.
Rice, Allen C. Luggage to carry suits/dresses. 4,887,700, 12-19-89, Cl. 190-111.000.
Rice, Andy: *See—*
Cheek, Gary C.; and Rice, Andy, 4,802,610, Cl. 222-481.500.
Rice, C. Arlyn, to E.C.C. America Inc. Silicon nitride coated clays and method of preparation. 4,810,580, 3-7-89, Cl. 428-409.000.
Rice, C. Arlyn: *See—*
Prescott, Paul I.; and Rice, C. Arlyn, 4,810,578, Cl. 428-405.000.
Rice, Camilla A., to E.C.C. America Inc. Surface modified clays and process of manufacture. 4,798,766, 1-17-89, Cl. 428-404.000.
Rice, Camilla A., to E.C.C. America Inc. Method for surface treating metal carbonate. 4,859,718, 8-22-89, Cl. 523-202.000.
Rice, Cassandra S.; Sasaki, Yukihiko; and Plamthottam, Sebastian S., to Avery International Corporation. Radiation-cured rubber-based pressure-sensitive adhesive. 4,820,746, 4-11-89, Cl. 522-127.000.
Rice, Christopher W.; and Salvage, Seward T., to Harris Corp. Amplitude and phase discriminator using all-pass networks. 4,795,922, 1-3-89, Cl. 307-511.000.
Rice, David A.; and May, Alexander, to United States of America, Interior. Method of recovering sulfur from solid catalysts. 4,824,656, 4-25-89, Cl. 423-578.00A.
Rice, David A.: *See—*
Watts, Robert J.; Rice, David A.; and Neun, John A., 4,872,337, Cl. 73-162.000.
Rice, David E.; and Ihlenfeld, Jay V., to Minnesota Mining and Manufacturing Company. Ophthalmic device comprising a polymer of a telechelic perfluoropolyether. 4,818,801, 4-4-89, Cl. 526-247.000.
Rice, David W.: *See—*
Kohus, Louis M.; Mariol, John V.; and Rice, David W., 4,822,033, Cl. 272-86.000.
Mariol, John V.; and Rice, David W., 4,818,016, Cl. 297-174.000.
Rice, Donald D.; and Hood, Mark E., to Fisher Controls International, Inc. Droop compensated direct acting pressure regulator. 4,842,013, 6-27-89, Cl. 137-484.400.
Rice, Donald D.; Hawkins, James C.; and Hall, Stanley D., to Fisher Controls International, Inc. Pressure/flow compensated direct acting pressure regulator. 4,889,158, 12-26-89, Cl. 137-484.400.
Rice, Doris M.; Grigsby, Robert A., Jr.; and Dominguez, Richard J. G., to Texaco Inc. Reaction injection molded elastomers prepared from amine terminated polyethers, a blend of an aromatic amine terminated chain extender, a substituted acyclic aliphatic amine terminated chain extender and an aromatic polyisocyanate. 4,806,615, 2-21-89, Cl. 528-68.000.
Rice, Edward K.; and Kunbargi, Hassan. Device and method for tensile testing of brittle materials. 4,866,992, 9-19-89, Cl. 73-856.000.
Rice, Frank L.; and Kinny, David L., to General Electric Company. Lift-up cooktop mounting arrangement for domestic range. 4,869,231, 9-26-89, Cl. 126-214.00R.
Rice, George: *See—*
Oldstone, Michael B. A.; and Rice, George, 4,818,678, Cl. 435-5.000.

Rice, Ivan G. Preheat gas turbine combined with steam turbine. 4,813,227, 3-21-89, Cl. 60-39.040.

Rice, Ivan G. Process for directing a combustion gas stream onto rotatable blades of a gas turbine. 4,835,958, 6-6-89, Cl. 60-39.050.

Rice, James A.: *See*—
  Winbow, Graham A.; Chen, Sen-Tsuen; and Rice, James A., 4,855,963, Cl. 367-31.000.

Rice, James M.; and Mahler, Bruce P., to Ohmega Electronics. Circuit board material. 4,808,967, 2-28-89, Cl. 338-309.000.

Rice, James M.; and Mahler, Bruce P., to Ohmega Electronics, Inc. Circuit board material and method of making. 4,888,574, 12-19-89, Cl. 338-309.000.

Rice, Jimmy W.: *See*—
  Boldrin, Clete M.; McCorkle, Richard D.; Rice, Jimmy W.; and Rustik, James J., 4,800,798, Cl. 91-361.000.

Rice, John M., to W. R. Grace & Co.-Conn. Synthetic bovine parainfluenza viral proteins. 4,847,081, 7-11-89, Cl. 424-89.000.

Rice, Joseph M., to Rice, Joseph M. Adjustable engine support. 4,804,162, 2-14-89, Cl. 248-671.000.

Rice, Kristen L., to Rice, Verle L. Work piece holder and blade guard for scroll saw. 4,848,761, 7-18-89, Cl. 269-87.200.

Rice, Lawrence M.: *See*—
  Mateos, Luis A.; and Rice, Lawrence M., 4,807,094, Cl. 362-80.000.

Rice, Lynn H.: *See*—
  Schmidt, Robert J.; Rice, Lynn H.; and Stine, Laurence, 4,804,803, Cl. 585-748.000.

Rice, Max, to Max Rice Corporation, The. Exercise machine with non-linear hydraulic resistance. 4,836,538, 6-6-89, Cl. 272-146.000.

Rice, Michael L.: *See*—
  Healy, Stephen F., Jr.; Rice, Michael L.; and Golick, Martin L., 4,816,410, Cl. 436-10.000.

Rice, Michael R.: *See*—
  Hird, John A.; Owen, Lindsey D.; and Rice, Michael R., 4,890,317, Cl. 379-132.000.

Rice, Paul. Tilting diagnostic table. 4,842,259, 6-27-89, Cl. 269-323.000.

Rice, Paul. Device for clamping the edge of a table top. 4,854,016, 8-8-89, Cl. 24-495.000.

Rice, Richard. Foldable viewer. 4,846,553, 7-11-89, Cl. 350-250.000.

Rice, Robert W.; Sweet, David H.; Evans, Charles W.; Wright, Gregory P.; Howlett, James J.; Lappos, Nicholas D.; and Johnston, Mark A., to United Technologies Corporation. Detection of engine failure in a multi-engine aircraft. 4,817,046, 3-28-89, Cl. 364-551.010.

Rice, Ronald B.; Lobo, Edward M.; Casanova, Hector A.; and Kosnosky, Theodore P., to Magnetec Corporation. Capacitor and method of manufacture. 4,812,941, 3-14-89, Cl. 3[illegible]-15.000.

Rice, Sandra W.: *See*—
  Rudd, David; and Rice, Sandra W., 4,845,189, Cl. 528-272.000.

Rice, Steven T.: *See*—
  Johnson, Bruce C.; Hovatter, Thomas W.; Rice, Steven T.; and Chao, Herbert S., 4,808,674, Cl. 525-397.000.

Rice, Trudie C.: *See*—
  Fischer, Frederick H.; Murphy, Edmond J.; and Rice, Trudie C., 4,810,049, Cl. 350-96.120.

Rice, Verle; Curtis, William; Keener, Richard; and Raffurty, Robert, to R. B. Industries, Inc. Scroll saw blade holder and blade aligning device. 4,838,138, 6-13-89, Cl. 83-698.000.

Rice, Verle L.; and Keener, Richard A., to Rice, Verle L. Self-lubricating holder for scroll saw blade. 4,807,507, 2-28-89, Cl. 83-783.000.

Rice, Verle L. Scroll saw mount for multi-purpose tool. 4,813,322, 3-21-89, Cl. 83-748.000.

Rice, Verle L.; and Keener, Richard A., to Rice, Verle L. Blade mount for planar head. 4,819,703, 4-11-89, Cl. 144-230.000.

Rice, Verle L.; and Keener, Richard A., to Rice, Verle L. Guide fence and mitre guide assembly for router mounting table. 4,884,604, 12-5-89, Cl. 144-84.000.

Rice, Verle L.: *See*—
  Rice, Kristen L., 4,848,761, Cl. 269-87.200.

Rice, Wayne K., to Vitamins, Inc. Apparatus for separating solids from fluids. 4,810,373, 3-7-89, Cl. 210-109.000.

Rice, William D. Stair slide. 4,813,663, 3-21-89, Cl. 272-56.50R.

Ricerche De Schiena s.n.c del Dr. Michele Giuseppe Di Schiena & C.: *See*—
  Di Schiena, Michele G., 4,866,067, Cl. 514-275.000.

Ricerche di Schiena S.n.c. del Dr. Michele G. di Schiena & C.: *See*—
  Di Schiena, Michele G.; and Orru, Vittoria, 4,840,964, Cl. 514-448.000.

Ricerfarma S.R.L.: *See*—
  Di Schiena, Michele G.; and Paster, Zvi, 4,859,658, Cl. 514-159.000.

Rich Art Color Company, Inc.: *See*—
  Godly, Gordon, 4,826,535, Cl. 106-209.000.

Rich, Arthur; and Agranoff, Bernard W., to University of Michigan, The. Scintillation multiplexer. 4,853,945, 8-1-89, Cl. 377-10.000.

Rich, Arthur; and Van House, James C., to University of Michigan, The. Positron microscopy. 4,864,131, 9-5-89, Cl. 250-308.000.

Rich, Arthur R., to Pilgrim's Pride Corporation. Slurry plow. 4,879,033, 11-7-89, Cl. 210-396.000.

Rich, Benjamin K., to Santa Barbara Research Center. Dewar cryopumping using barium oxide composite for moisture removal. 4,886,240, 12-12-89, Cl. 250-352.000.

Rich, David; Staley, Peter; and Coyne, David, to General Instrument Corp. Integrated analog-to-digital converter. 4,796,004, 1-3-89, Cl. 341-143.000.

Rich, David; and Staley, Peter, to Microchip Technology Incorporated. Integrated analog-to-digital converter. 4,860,012, 8-22-89, Cl. 341-143.000.

Rich, David; and Thomas, Simon, to Novametrix Medical Systems, Inc. Sensor appliance for non-invasive monitoring. 4,865,038, 9-12-89, Cl. 128-633.000.

Rich, Dawn E., to Phillips Petroleum Company. Poly(arylene sulfide) encapsulation process and article. 4,810,590, 3-7-89, Cl. 428-626.000.

Rich, Douglas A.; Rick, Paul N.; Bournias, James N.; and Lyons, Robert E., to Gallagher-Kaiser Corporation. Spray booth. 4,885,010, 12-5-89, Cl. 55-241.000.

Rich, Gregory E.; Giacomazzi, Roy A.; and Wilds, Jack C., to General Motors Corporation. Combination filler pipe and vapor control means. 4,881,578, 11-21-89, Cl. 141-44.000.

Rich, John W., Jr. Process for separating high ash coal from refuse. 4,795,037, 1-3-89, Cl. 209-3.000.

Rich, Jonathan D.; Policastro, Peter P.; and Hernandez, Pamela K., to General Electric Company. Polyimide-siloxanes, method of making and use. 4,795,680, 1-3-89, Cl. 428-450.000.

Rich, Jonathan D.: *See*—
  Gross, David C.; Haig, Connie L.; and Rich, Jonathan D., 4,810,728, Cl. 521-82.000.
  Policastro, Peter P.; Hernandez, Pamela K.; and Rich, Jonathan D., 4,826,916, Cl. 524-755.000.

Rich, Joseph W.; Homicz, Gregory F.; and Bergman, Richard C., to United States of America, Energy. Method for enriching a middle isotope using vibration-vibration pumping. 4,801,365, 1-31-89, Cl. 204-157.220.

Rich-Mar Corporation: *See*—
  Coffey, Kenneth W.; and Smith, Toby E., 4,823,042, Cl. 310-322.000.

Rich, Marc A., to Teradyne, Inc. Failure information processing in automatic memory tester. 4,876,685, 10-24-89, Cl. 371-21.600.

Rich Products Corp.: *See*—
  Kahn, Marvin L.; and Lynch, Robert J., 4,853,243, Cl. 426-564.000.

Rich, Ronald R., to Water Technologies, Inc. System for separating solutions. 4,885,095, 12-5-89, Cl. 210-636.000.

Rich, Thomas F., to Procter & Gamble Company, The. Absorbent vegetable material and process for making same. 4,87',974, 10-24-89, Cl. 162-10.000.

Rich, Thomas R., to W. R. Grace & Co. Dispensing device having static mixer in nozzle. 4,801,008, 1-31-89, Cl. 206-219.000.

Richalley, Gerard; and Delaunay, Marc, to Hospal Industrie. Installation with multiple functions for replacement of the natural filtration of the blood. 4,844,810, 7-4-89, Cl. 210-646.000.

Richard, Alain: *See*—
  Tournereau, Alain; Richard, Alain; Dumas, Daniel; and Egea, Guy, 4,807,956, Cl. 350-96.200.

Richard-Allan Medical Industries, Inc.: *See*—
  Brooks, Christopher J.; Stein, Jeffrey A.; and Mulhauser, Paul J., 4,850,355, Cl. 128-325.000.
  Stein, Jeffrey A., 4,844,066, Cl. 128-325.000.

Richard, Arthur M.: *See*—
  Pavey, Charles F.; Poston, Billy R.; and Richard, Arthur M., 4,864,563, Cl. 370-94.100.

Richard, Daniel J.: *See*—
  Robinson, John R.; and Richard, Daniel J., 4,876,806, Cl. 36-114.000.

Richard, David W.: *See*—
  Augeri, James A.; Young, Paul R.; Richard, David W.; and Johnson, David, 4,870,703, Cl. 360-98.070.

Richard E. Connelly Co., Inc.: *See*—
  Connelly, Richard E., 4,867,445, Cl. 272-130.000.

Richard, Frecon, to La Telemecanique Electrique. Method and device for the redundant control of a power controlled unit. 4,880,94 11-14-89, Cl. 307-219.000.

Richard, Herve: *See*—
  Lang, Gerard; Richard, Herve; Leduc, Madeleine; and Jonas, Alex, 4,822,375, Cl. 8-423.000.

Richard Hirschmann Radiotechnisches Werk: *See*—
  Mayer, Hans-Dieter; and Hirrlinger, Klaus, 4,853,690, Cl. 340-544.000.
  Mayer, Hans-Dietrich; and Hirrlinger, Klaus, 4,806,854, Cl. 324-96.000.
  Zierhut, Hermann, 4,795,905, Cl. 250-338.,00.
  Zierhut, Hermann, 4,827,133, Cl. 250-338.400.

Richard, Jean-Louis; and Jaffres, Remy, to Schlumberger Industries. Write head for a drawing machine having a deformable mounting for a writing member. 4,862,592, 9-5-89, Cl. 33-18.100.

Richard, John E.: *See*—
  Smiler, Mark G.; and Richard, John E., 4,881,645, Cl. 206-387.00

Richard, Joseph: *See*—
  Morin, Francois; Le Contellec, Michel; and Richard, Joseph, 4,844,587, Cl. 350-339.00R.

Richard, Joseph W., to Westinghouse Electric Corp. Reactor vessel internals storage area arrangement. 4,859,404, 8-22-89, Cl. 376-293.000.

Richard, Joseph W.: *See*—
  Hankinson, Michael F.; Leduc, Robert J.; Richard, Joseph W.; and Malandra, Louis J., 4,828,789, Cl. 376-287.000.

Richard, Kent J.; Courville, Bryan S.; and Legros, Shawn E. [illegible] board game. 4,830,379, 5-16-89, Cl. 273-244.000.

Richard, Maurice B.: *See*—
  Aria, Percy R.; and Richard, Maurice B., 4,860,325, Cl. 377-29.00

Richard, Patricia A. Suction clamped treatment cup saliva sampler. 4,834,110, 5-30-89, Cl. 128-760.000.

Richard, Philippe; Soulage, Andre; and Appel, Jean, to Office National d'Etudes et de Recherches Aerospatiales. Installation for the detection and location by interferometry, in real time and at great distance of lightening strikes. 4,841,304, 6-20-89, Cl. 342-460.000.

Richard, Robert G.: *See*—
  Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,816,174, Cl. 252-171.000.
  Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,836,947, Cl. 252-171.000.
  Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,842,764, Cl. 252-171.000.

Richard, Serge: *See*—
  Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, 4,888,033, Cl. 55-158.000.

Richard, Thomas J.: *See*—
  Fields, Donald L., Jr.; Lee, Len F.; and Richard, Thomas J., 4,810,426, Cl. 260-502.50F.

Richard W. Clark: *See*—
  Nelson, Thomas M., 4,806,931, Cl. 340-907.000.

Richard W. Hansen. Portable rock crusher. 4,796,820, 1-10-89, Cl. 241-69.000.

Richard, Willy; and Jolidon, Francois, to Relhor S.A. Time lock. 4,821,541, 4-18-89, Cl. 70-272.000.

Richard Wolf GmbH: *See*—
  Ams, Felix; and Schafer, Roland, 4,841,363, Cl. 358-98.000.
  Ams, Felix; and Voegele, Michael, 4,866,526, Cl. 358-98.000.
  Bauer, Siegfried; and Falk, Ernst, 4,819,633, Cl. 128-303.170.
  Bauer, Siegfried; and Lehmann, Helmut, 4,863,304, Cl. 403-37.000.
  Boebel, Manfred; and Hiltebrandt, Siegfried, 4,881,524, Cl. 128-6.000.
  Diener, Jorg, 4,820,043, Cl. 356-241.000.
  Heckele, Helmut, 4,832,004, Cl. 128-10.000.
  Heckele, Helmut, 4,881,523, Cl. 128-4.000.
  Hiltebrandt, Siegfried, 4,807,595, Cl. 128-4.000.
  Hiltebrandt, Siegfried, 4,830,458, Cl. 350-96.220.
  Hoffmann, Reiner; and Jaggy, Peter, 4,807,291, Cl. 381-49.000.
  Krauss, Werner; and Wurster, Helmut, 4,869,239, Cl. 128-24.00A.
  Kurtze, Gunther; and Riedlinger, Rainer, 4,858,597, Cl. 128-24.00A.
  Riedlinger, Ing. R., 4,821,245, Cl. 367-175.000.
  Ueberle, Friedrich; and Riedlinger, Rainer, 4,819,621, Cl. 128-24.00A.
  Wurster, Helmut; and Krauss, Werner, 4,821,730, Cl. 128-660.030.
  Wurster, Helmut; and Krauss, Werner, 4,888,746, Cl. 367-138.000.
  Zobel, Jurgen; Karst, Siegfried; Zickwolf, Rolf; and Uhrich, Wilfried, 4,815,833, Cl. 350-445.000.
  Zobel, Jurgen, 4,858,002, Cl. 358-98.000.

Richardelli, Joseph; and Thompson, Robert E., to Cardinal Industries, Inc. Method and apparatus for fabricating modular building floor assemblies. 4,867,819, 9-19-89, Cl. 156-92.000.

Richards, Alan J., to Colorado Memory Systems, Inc. Apparatus for writing signal density information on a magnetic medium. 4,819,092, 4-4-89, Cl. 360-27.000.

Richards, Anthony L.: *See*—
  Hibbert, David A.; Richards, Anthony L.; Zuffelato, Dennis C.; Turmelle, Conrad R.; and Larkin, Harold F., 4,804,804, Cl. 174-16.200.

Richards, Brian D., to Du Pont de Nemours, E. I., and Company. Tension measuring apparatus. 4,821,583, 4-18-89, Cl. 73-862.480.

Richards, Camille. Method of setting precious and semiprecious stones. 4,813,246, 3-21-89, Cl. 63-26.000.

Richards, Charles; and Kobayashi, Kazuhiro, to J. R. Richards, Inc. Polarized lens and method of making the same. 4,838,673, 6-13-89, Cl. 351-44.000.

Richards, Clive D. G.; and Zanoni, Robert B. Storage conveyor. 4,848,537, 7-18-89, Cl. 198-778.000.

Richards, David C.; Williams, Maurice S.; and Ward, Brian, to Process Improvements Limited. Apparatus and methods for using packs of flexible tubing in packaging. 4,869,049, 9-26-89, Cl. 53-459.000.

Richards, David H.: *See*—
  Millar, Ross W.; Paul, Norman C.; and Richards, David H., 4,820,859, Cl. 558-483.000.

Richards, David M. Table for holding work pieces for drilling, cutting and the like. 4,880,221, 11-14-89, Cl. 269-139.000.

Richards, Dennis L.; and Melling, Humfrey, to Canadian Patents & Development Limited. Streamlined oceanographic sampling bottle. 4,846,004, 7-11-89, Cl. 73-864.630.

Richards, Douglas M.: *See*—
  Bossier, Joseph A., III; Richards, Douglas M.; and Crasto, Lloyd T., 4,847,061, Cl. 423-347.000.

Richards, Edward. Landing attachment to aircraft for amphibious landing. 4,799,630, 1-24-89, Cl. 244-101.000.

Richards, Edward P.: *See*—
  Clark, Alan C.; Richards, Edward P.; and Shaw, Douglas R., 4,879,022, Cl. 209-166.000.

Richards, Elizabeth C.: *See*—
  Rubin, Beriah Y.; Anderson, Sylvia L.; Sullivan, Susan A.; Old, Lloyd J.; Williamson, Barbara D.; and Richards, Elizabeth C., 4,870,163, Cl. 530-413.000.

Richards, Gaylord W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Rearrangeable multiconnection switching networks employing both space division and time division switching. 4,817,083, 3-28-89, Cl. 370-59.000.

Richards, Gaylord W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Distributed control rapid connection circuit switch. 4,872,158, 10-3-89, Cl. 370-58.100.

Richards, Gaylord W.: *See*—
  Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,157, Cl. 370-60.000.
  Hwang, Frank K.; and Richards, Gaylord W., 4,887,079, Cl. 340-825.800.

Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., to Cominco Ltd; and University of British Columbia. Method for slag fuming and reduction. 4,820,340, 4-11-89, Cl. 75-24.000.

Richards, Harvey J.: *See*—
  Goel, Anil B.; and Richards, Harvey J., 4,822,518, Cl. 252-182.260.

Richards, James A.; and Stefanek, Ronald T., to Folger Adam Company. Pulsed power supply. 4,797,779, 1-10-89, Cl. 361-154.000.

Richards, James C.; and Bach, David T., to Gene-Trak Systems. Signal amplification in an assay employing a piezoelectric oscillator. 4,847,193, 7-11-89, Cl. 435-6.000.

Richards, John: *See*—
  Hedley, David J.; and Richards, John, 4,811,263, Cl. 364-724.130.

Richards, John C., to Universal Data Systems, Inc. Dial-up line modem directly compatible with mainframe host having bisynchronous communication protocol. 4,853,954, 8-1-89, Cl. 379-93.000.

Richards, John G., to FEI Microwave, Inc. Monolithic pin diode and method for its manufacture. 4,811,080, 3-7-89, Cl. 357-58.000.

Richards, John W.; and David, Morgan W. A., to Sony Corporation. Two-dimensional finite impulse response filter arrangements. 4,802,110, 1-31-89, Cl. 364-724.050.

Richards, John W.: *See*—
  Avis, Richard J. A.; Richards, John W.; and Gillard, Clive H., 4,864,398, Cl. 358-140.000.
  Harradine, Vincent C.; Gillard, Clive H.; and Richards, John W., 4,862,260, Cl. 358-105.000.

Richards, Kevin D.: *See*—
  McClish, Arthur W.; and Richards, Kevin D., 4,850,396, Cl. 138-103.000.

Richards, Lawrence J., to Plessey Overseas Limited. Electrical detector arrangements. 4,795,904, 1-3-89, Cl. 250-332.000.

Richards, Lee E. Knee pads. 4,876,745, 10-31-89, Cl. 2-24.000.

Richards, Marvin D. Tossing ring and saucer. 4,820,230, 4-11-89, Cl. 446-48.000.

Richards Medical Company: *See*—
  Bays, F. Barry; and Marchand, Sam R., 4,871,364, Cl. 623-10.000.
  Brumfield, David L., 4,827,917, Cl. 128-42.0YZ.
  Davison, Steven W.; and McLeod, William D., 4,862,878, Cl. 128-77.000.
  English, James P.; McNeely, Gerald W.; and Dunn, Richard L., 4,804,691, Cl. 523-118.000.
  Heide, Jorgan; Gooch, Timothy D.; Prescott, Anthony D.; Sander, Thomas W.; Davidson, Jim; and Renz, Eric A., 4,800,884, Cl. 128-419.00R.
  Shea, John J., 4,802,852, Cl. 433-127.000.
  Tatge, Gary, 4,817,607, Cl. 128-419.00R.

Richards Metal Company: *See*—
  Heide, Jorgen; Gooch, Timothy D.; Prescott, Anthony D.; and Bojrab, Dennis, 4,840,178, Cl. 128-419.00R.

Richards, Norman D., to U.S. Philips Corporation. Image display apparatus and method. 4,857,992, 8-15-89, Cl. 358-13.000.

Richards, Norman D., to U.S. Philips Corporation. Image display. 4,858,026, 8-15-89, Cl. 358-310.000.

Richards, Norman D., to U.S. Philips Corporation. Image encoding and decoding method and apparatus. 4,868,764, 9-19-89, Cl. 364-518.000.

Richards, Norman M.: *See*—
  Habing, Theodore G.; and Richards, Norman M., 4,844,456, Cl. 272-134.000.

Richards, Oliver L., Jr., to Sprague Electric Company. Noise blanking system for an AM radio receiver. 4,856,084, 8-8-89, Cl. 455-223.000.

Richards, Paul C.: *See*—
  Beattie, Steven K.; Richards, Paul C.; and Smith, David A., 4,872,208, Cl. 324-174.000.

Richards, Paul N.; Douglas, Michael C.; Snowden, David C.; Proctor, Kenneth W.; and Ferks, Malcolm P., to Schlumberger Electronics (UK) Limited. Shaft failure monitoring system using angled rotating teeth and phase detection. 4,833,405, 5-23-89, Cl. 324-208.000.

Richards, Peter S. Joint construction and overhead hanger. 4,802,785, 2-7-89, Cl. 403-27.000.

Richards, Peter S. Hard metal screw joint connection between soft metal members. 4,826,343, 5-2-89, Cl. 403-189.000.

Richards, Peter S., to Progressive Fastening, Inc. Side-load type pipe hanger with single bolt closure and liner protecting insert. 4,858,860, 8-22-89, Cl. 248-62.000.

Richards, Raymon E. Apparatus for removing pins from connecting link boat hardware. 4,870,739, 10-3-89, Cl. 29-252.000.

Richards, Robert L.: *See*—
  Dittakavi, Ashok; Richards, Robert L.; and Halim, Raouf, 4,852,151, Cl. 379-97.000.

Richards, Robert M. Blocking device for latch mechanism. 4,869,086, 9-26-89, Cl. 70-416.000.

Richards, Stephen L.: *See*—
  Mabey, Kent W.; Boska, Joseph M.; and Richards, Stephen L., 4,885,632, Cl. 358-84.000.

Richards, Thomas E.: *See*—
  Ore, Fernando; and Richards, Thomas E., 4,853,201, Cl. 423-320.000.

- Richards, Toby D.; and Antonio, Anthony I., Jr., to Fabricated Plastics, Inc. Reinforced strip and flexible hoses produced therewith. 4,860,797, 8-29-89, Cl. 138-122.000.
- Richards, William A.: *See—*
  - Hamlin, Jack W.; Logan, Bradley C.; Richards, William A.; Sanders, Maurice T.; and Wyckoff, Robert C., 4,835,459, Cl. 324-73.00R.
- Richards, William D.; Clark, Richard A.; and Meade, John C., to Ophthalmic Ventures Limited Partnership. Driver for surgical microstapler. 4,821,942, 4-18-89, Cl. 227-132.000.
- Richards, William D., to Ophthalmic Ventures Limited Partnership. Adjustable surgical staple and method of using the same. 4,887,601, 12-19-89, Cl. 606-219.000.
- Richards, William D.: *See—*
  - Blanch, John F.; Garritano, Ronald F.; Richards, William D.; and Golba, Joseph C., Jr., 4,817,416, Cl. 73-55.000.
- Richards, William L.: *See—*
  - Joy, Theodore J.; Mohile, Vivek V.; and Richards, William L., 4,861,234, Cl. 417-273.000.
- Richardson, Anthony R. W.: *See—*
  - Anderson, Milo D.; Holt, Neil L.; Larsson, Peter L.; and Richardson, Anthony R. W., 4,836,558, Cl. 277-1.000.
  - Connolly, Joseph; Holt, Neil L.; Richardson, Anthony R. W.; and Siedenburg, Jay, 4,889,506, Cl. 439-874.000.
- Richardson & Associates, Ltd.: *See—*
  - Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, 4,834,097, Cl. 128-334.00R.
  - Phillips, James L.; Richardson, Dale W.; and Silverman, Lawrence M., 4,852,200, Cl. 15-104.00R.
- Richardson, Betty L., to Glaxo Group Limited. Pharmaceutical compositions containing β-lactam antibiotics. 4,803,196, 2-7-89, Cl. 514-198.000.
- Richardson, Brian; and Richardson, John, to Morpheus Lights, Inc. Dimorphic truss unit. 4,862,336, 8-29-89, Cl. 362-285.000.
- Richardson, Brian E., to Morpheus Lights, Inc. Variable beamwidth stage light. 4,855,884, 8-8-89, Cl. 362-278.000.
- Richardson, Brian P.; Engel, Gunter; Giger, Rudolf K. A.; and Vasella, Andrea, to Sandoz Ltd. Amides and esters containing bridged piperidines and use as serotonin M antagonists. 4,797,406, 1-10-89, Cl. 514-299.000.
- Richardson, Brian P.; Giger, Rudolf K. A.; Engel, Gunter; and Furler, Roland, to Sandoz Ltd. Analgesic carbocyclic and heterocyclic carbonylmethylene-and carbonylmethypipidines and-pyrrolidines. 4,826,838, 5-2-89, Cl. 514-210.000.
- Richardson, Brian P.: *See—*
  - Donatsch, Peter; Engel, Gunter; Hugi, Bruno; Richardson, Brian P.; Stadler, Paul A., deceased; Stadler, Hildegard R., heir; Stadler, Brigitte M., heir; Stadler, Sigrid A., heir; and Breuleux, Gerald, legal representative, 4,803,199, Cl. 514-214.000.
- Richardson, Bruce A., to Northern Telecom Limited. Method and apparatus for stabilizing the spectral characteristics of a semiconductor laser diode. 4,872,173, 10-3-89, Cl. 372-29.000.
- Richardson, Bruce E.: *See—*
  - Erhardt, James A.; and Richardson, Bruce E., 4,863,100, Cl. 237-8.00R.
- Richardson, Calvin: *See—*
  - Park, John J.; White, Paul W.; and Richardson, Calvin, 4,880,689, Cl. 428-143.000.
- Richardson, Charles C.: *See—*
  - Tabor, Stanley; and Richardson, Charles C., 4,795,699, Cl. 435-5.000.
- Richardson, Christopher C.: *See—*
  - Bishop, Chester O., Jr.; Dennis, Malcolm I.; Riley, Peter S.; Richardson, Christopher C.; and Shaw, Vincent P., 4,853,678, Cl. 340-573.000.
- Richardson, Christopher K., to Plessey Overseas Limited. Interference signal suppressor for a radio receiver. 4,878,251, 10-31-89, Cl. 455-206.000.
- Richardson, Craig A.: *See—*
  - Stephenson, Roger D.; Walters, James C.; and Richardson, Craig A., 4,805,927, Cl. 172-47.000.
- Richardson, Dale W.: *See—*
  - Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, 4,834,097, Cl. 128-334.00R.
  - Phillips, James L.; Richardson, Dale W.; and Silverman, Lawrence M., 4,852,200, Cl. 15-104.00R.
  - Phillips, James L.; Richardson, Dale W.; and Hill, J. Donald, 4,878,494, Cl. 128-334.00R.
- Richardson, David. Compact signal enhancer. 4,878,254, 10-31-89, Cl. 455-601.000.
- Richardson, David L.; Clark, Jack P.; Smith, Thurman D.; and Perry, Richard W., to General Electric Company. Apparatus for the ultrasonic examination of shroud hold down bolts. 4,818,470, 4-4-89, Cl. 376-245.000.
- Richardson, David L.; Clark, Jack P.; Patterson, Peter M.; and Perry, Richard W., to General Electric Company. Ultrasonic examination of reactor pressure vessel top guide. 4,826,650, 5-2-89, Cl. 376-249.000.
- Richardson, Delmar J. Spray boom height adjustment. 4,878,616, 11-7-89, Cl. 239-167.000.
- Richardson, Ewart: *See—*
  - Parsons, Philip L.; and Richardson, Ewart, 4,813,201, Cl. 52-7.000.
- Richardson, Garry T.: *See—*
  - Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., 4,798,206, Cl. 128-419.00P.
- Richardson, Glenn: *See—*
  - Eisa, Soraya; Peczkowski, Joseph; Tyler, Henry; and Richardson, Glenn, 4,837,697, Cl. 364-431.020.
- Richardson, Glenn A.: *See—*
  - Feltz, Kevin L.; Richardson, Glenn A.; and Burrell, Jonathan C., 4,876,857, Cl. 60-734.000.
- Richardson, Gordon L.; and Richardson, James G. Piggy back evaporator for maple syrup evaporator apparatus or the like. 4,819,615, 4-11-89, Cl. 127-9.000.
- Richardson, Harvey J.: *See—*
  - DeMoss, Dean; Richardson, Harvey J.; and Narasaki, Tom, 4,823,215, Cl. 360-98.020.
- Richardson, Hubert, Jr., to Tecumseh Products Company. Scroll compressor with orbiting scroll member biased by oil pressure. 4,875,838, 10-24-89, Cl. 418-55.000.
- Richardson, Hubert, Jr., to Tecumseh Products Company. Scroll compressor having oil-actuated compliance mechanism. 4,884,955, 12-5-89, Cl. 418-1.000.
- Richardson, Hubert, Jr.: *See—*
  - Johnson, William C.; Richardson, Hubert, Jr.; and Barito, Thomas R., 4,875,840, Cl. 418-55.000.
  - Johnson, William C.; and Richardson, Hubert, Jr., 4,877,381, Cl. 418-55.000.
- Richardson, J. M.: *See—*
  - Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.
- Richardson, James E. In-store refrigerated display system. 4,845,957, 7-11-89, Cl. 62-255.000.
- Richardson, James G.: *See—*
  - Richardson, Gordon L.; and Richardson, James G., 4,819,615, Cl. 127-9.000.
- Richardson, James W., to Procter & Gamble Company, The. Disposable diaper having an improved leg conforming cuff. 4,816,026, 3-28-89, Cl. 604-385.200.
- Richardson, Joel A.; Poppe, Wassily; Bouton, Benjamin A.; and Paschke, Edward E., to Amoco Corporation. Polycondensation process with mean dispersion residence time. 4,831,108, 5-16-89, Cl. 528-335.000.
- Richardson, John, to Selectro-Vision, Ltd. Multiple bingo gaming board. 4,798,387, 1-17-89, Cl. 273-237.000.
- Richardson, John, to Selectro-Vision, Ltd. Gaming system with session master and gaming boards. 4,848,771, 7-18-89, Cl. 273-237.000.
- Richardson, John; and Pidcock, Anthony, to Rolls-Royce PLC. Combustor. 4,864,827, 9-12-89, Cl. 60-756.000.
- Richardson, John: *See—*
  - Goldman, Stephen; and Richardson, John, 4,856,117, Cl. 2-195.000.
  - Hoyer, Bryan; and Richardson, John, 4,837,665, Cl. 362-96.000.
  - Richardson, Brian; and Richardson, John, 4,862,336, Cl. 362-285.000.
- Richardson, John L.: *See—*
  - Culler, Glen J.; Pearson, Robert B.; McCammon, Michael; Proctor, William L.; and Richardson, John L., 4,837,678, Cl. 364-200.000.
- Richardson, John M.: *See—*
  - Tittmann, Bernhard R.; Richardson, John M.; Bulau, James R.; and Bivins, Lawrence R., 4,869,097, Cl. 73-52.000.
- Richardson, Josephine M. Animal trap. 4,829,704, 5-16-89, Cl. 43-66.000.
- Richardson, Kenneth: *See—*
  - Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, 4,801,598, Cl. 514-333.000.
  - Cooper, Kelvin; Fray, Michael J.; and Richardson, Kenneth, 4,851,412, Cl. 514-266.000.
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- Richardson, Mark A., to Eli Lilly and Company. Spiramycin resistance-conferring cloning vectors. 4,886,757, 12-12-89, Cl. 435-252.300.
- Richardson, Mark B.: *See—*
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- Richardson, Norman: *See—*
  - Cook, Barry; Richardson, Norman; and Tames, Joseph, 4,828,79 Cl. 422-15.000.
- Richardson, Paul N., to Du Pont de Nemours, E. I., and Company. Polyoxymethylene/polyurethane compositions containing polycarbodiimide. 4,845,161, 7-4-89, Cl. 525-399.000.
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- Richardson, Robert, to Marconi Company Limited, The. Pulse generator. 4,803,378, 2-7-89, Cl. 307-108.000.

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  - Eggebrecht, Roland C.; McIlheran, Aaron A.; Lane, William H.; and Richardson, Robert A., 4,866,568, Cl. 361-333.000.
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  - Jabusch, John D.; Kovacs, Linda A.; Plzak, Timothy G.; and Richardson, Robert R., 4,890,253, Cl. 364-736.500.
- Richardson, Robert W.; and Feldman, Barbara M. Method and device for measuring retinal response as a function of position of the retina. 4,822,162, 4-18-89, Cl. 351-243.000.
- Richardson, Ryden L.: *See—*
  - Simpson, Howard D.; Richardson, Ryden L.; and Baron, Kenneth, 4,818,743, Cl. 502-211.000.
- Richardson, Stephen F., to Vermont Castings, Inc. Gas burning artificial log assembly. 4,886,445, 12-12-89, Cl. 431-125.000.
- Richardson, Stephen H.: *See—*
  - Parsons, Bryan N. V.; and Richardson, Stephen H., 4,828,379, Cl. 350-626.000.
- Richardson, Thomas L.; Grabel, Vernon; and Kowalik, Joseph T., to Polaroid Corporation. Method of and system for computer graphic photography. 4,855,940, 8-8-89, Cl. 364-526.000.
- Richardson, Thomas M.: *See—*
  - Nadkarni, Arun A.; and Richardson, Thomas M., 4,825,375, Cl. 364-435.000.
- Richardson, Timothy M. Fower plant. 4,797,563, 1-10-89, Cl. 290-54.000.
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  - Kowcz, Alexandra; and Doughty, Darrell G., 4,800,197, Cl. 514-162.000.
  - Scandel, Jean, 4,832,872, Cl. 252-547.000.
  - Sheth, Bhogilal B.; Gilbert, Sheri A.; and Kinsel, Jane F., 4,867,979, Cl. 424-195.100.
  - Smith, Walter P.; Hawkins, Geoffrey R.; and Yeung, David, 4,851,215, Cl. 424-72.000.
  - Sorrentino, James V.; Kelleher, William J.; and Moye, Jeanne O., 4,808,410, Cl. 424-435.000.
- Richardson, Victor O.: *See—*
  - Carver, Robert W.; and Richardson, Victor O., 4,815,141, Cl. 381-94.000.
- Richardson, Wayne G.: *See—*
  - Linnemann, Roger; Linnemann, Thomas E.; Berger, Mary E.; and Richardson, Wayne G., 4,819,925, Cl. 269-327.000.
- Richardson, William [illegible]; and Malhi, Satwinder S., to Texas Instruments Incorporated. Method of making DRAM cell with trench capacitor. 4,824,793, 4-25-89, Cl. 437-47.000.
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- Richartz, Adolf: *See—*
  - Jahn, Gert; and Richartz, Adolf, 4,874,832, Cl. 528-60.000.
- Richarz, Winfried; Reissenweber, Gernot; Pommer, Ernst-Heinrich; and Ammermann, Eberhard, to BASF Aktiengesellschaft. Pyridazinone derivatives and their use as fungicides. 4,820,704, 4-11-89, Cl. 514-247.000.
- Richarz, Winfried: *See—*
  - Hamprecht, Gerhard; Theobald, Hans; Spiegler, Wolfgang; Richarz, Winfried; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,829,072, Cl. 514-314.000.
  - Rentzea, Costin; Sauter, Hubert; Tuerk, Wolfgang; Wenderoth, Bernd; Richarz, Winfried; Jung, Johann; and Rademacher, Wilhelm, 4,822,400, Cl. 71-76.000.
- Richdel Div. of GardenAmerica Corporation: *See—*
  - Firebaugh, Dale C., 4,827,155, Cl. 307-141.400.
- Riche, Allen G. Aquaculture harvester for shallow water use. 4,813,377, 3-21-89, Cl. 119-3.000.
- Richenberg, Colleen J.: *See—*
  - Ginovsky, Elizabeth F.; and Richenberg, Colleen J., 4,813,683, Cl. 273-317.000.
- Richer, LeRoy L., to Vestar, Inc. Liposomal vesicles for intraperitoneal administration of therapeutic agents. 4,877,619, 10-31-89, Cl. 424-450.000.
- Richer, William: *See—*
  - Kahn, Gary S.; Pepper, Jeffrey A.; Kepner, Al N.; Richer, William; and Enand, Rajiv, 4,866,635, Cl. 364-513.000.
- Richerson, James D.: *See—*
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,833,436, Cl. 336-60.000.
  - Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.
- Richert, Gabriel M.: *See—*
  - Morel, Emile M. J.; and Richert, Gabriel M., 4,828,776, Cl. 264-136.000.
- Riches, Arthur J., to Amphenol Corporation. Shielded electrical connector. 4,889,497, 12-26-89, Cl. 439-76.000.
- Riches, Robert: *See—*
  - Myers, Glenford J.; Lai, Konrad; Imel, Michael T.; Hinton, Glenn; and Riches, Robert, 4,811,208, Cl. 364-200.000.
- Richeson, Joseph T.: *See—*
  - Hines, Edward E.; Royer, Lee J.; Jehring, Thomas D.; Faulkenberry, William E.; Posey, Norvan J.; and Richeson, Joseph T., 4,880,602, Cl. 73-865.900.
- Richeson, William E.; and Erickson, Frederick L., to Magnavox Government and Industrial Electronics Company. Pneumatic actuator with permanent magnet control valve latching. 4,852,528, 8-1-89, Cl. 123-90.110.
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- Richeson, William E.; and Erickson, Frederick L., to Magnavox Government and Industrial Electronics Company. Pneumatic actuator with solenoid operated control valves. 4,873,948, 10-17-89, Cl. 123-90.110.
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- Richeson, William E., Jr., to Magnavox Government and Industrial Electronics Company. Electromagnetic valve actuator. 4,794,890, 1-3-89, Cl. 123-90.110.
- Richeson, William E., Jr., to Magnavox Government and Industrial Electronics Company. Repulsion actuated potential energy driven valve mechanism. 4,831,973, 5-23-89, Cl. 123-90.110.
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- Richesson, Roger W.: *See—*
  - Brown, Robert L.; and Richesson, Roger W., 4,796,469, Cl. 73-49.200.
- Richey, Forrest A., Jr.: *See—*
  - Hoy, Kenneth L.; and Richey, Forrest A., Jr., 4,814,382, Cl. 525-113.000.
- Richey, Stephen J. Vehicular attachment system for a snowplow or the like. 4,873,775, 10-17-89, Cl. 37-231.000.
- Richey, Volker: *See—*
  - Mayer, Kurt; Richey, Volker; and Schneider, Hans-Peter, 4,885,530, Cl. 324-61.00R.
- Richford Holdings, Inc.: *See—*
  - Finlay, Patrick A., 4,806,090, Cl. 425-194.000.
- Richie, David C. Portable video cassette player. 4,809,089, 2-28-89, Cl. 360-33.100.
- Richie, Michael A.: *See—*
  - Bartholomew, Lawrence D.; Gralenski, Nicholas M.; Richie, Michael A.; and Hersh, Michael L., 4,834,020, Cl. 118-719.000.
- Richins, Blaine B. Removable hinged sack handle. 4,827,566, 5-9-89, Cl. 16-114.00R.
- Richland Industrial, Inc.: *See—*
  - Sullins, Harry P., 4,802,940, Cl. 156-187.000.
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  - Sullins, Harry P., 4,799,987, Cl. 156-425.000.
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- Richman, Jay L.; and Chan, Adrian, to Allied-Signal Inc. Clock injector circuit. 4,809,302, 2-28-89, Cl. 375-107.000.
- Richman, Peter L., to KeyTek Instrument Corp. Surge undershoot eliminator. 4,843,515, 6-27-89, Cl. 361-58.000.
- Richmond Bank: *See—*
  - Nowack, William C., 4,874,412, Cl. 55-385.100.
- Richmond, James W.; Tice, Robert G.; and Booth, William M., III, to Stryker Corporation. Vacuum wound drainage system. 4,826,494, 5-2-89, Cl. 604-323.000.
- Richmond, Michael S.: *See—*
  - Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.
- Richmond Screw Anchor Co., Inc.: *See—*
  - Lancelot, Harry B., 4,888,922, Cl. 52-124.200.
- Richner, Michel: *See—*
  - Schreiber, Peter; and Richner, Michel, 4,838,473, Cl. 228-45.000.
- Richon, Dominique; De Pous, Olivier; and Fontaine, Pierre, to Battelle Memorial Institute. Method of manufacturing silicon nitride composition reinforced with silicon carbide whiskers having silicon oxide coating. 4,855,262, 8-8-89, Cl. 501-92.000.
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- Richtenburg, William J.; and Jenkins, Donald S., to Rockwell International Corporation. Warm gas accumulator. 4,804,520, 2-14-89, Cl. 422-112.000.
- Richter, Allen R., to Walcon Corp. Double lock standing seam roof sheet. 4,870,798, 10-3-89, Cl. 52-528.000.
- Richter, Andreas M.: *See—*
  - Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, 4,886,627, Cl. 252-513.000.
- Richter, Axel, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Arrangement for the individual adaptation of a serial interface of a data processing system to a data transmission speed of a communication partner. 4,853,841, 8-1-89, Cl. 364-200.000.
- Richter, Bernd: *See—*
  - Junge, Bodo; Richter, Bernd; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,873,262, Cl. 514-510.000.
- Richter, Bruno: *See—*
  - Brand, Bernhard; and Richter, Bruno, 4,822,171, Cl. 356-382.000.
- Richter, Dag: *See—*
  - Haour, Georges; Richter, Dag; Boswell, Peter; and Wagnieres, Willy, 4,865,876, Cl. 427-96.000.
- Richter, Donald L., to TEMCOR. Vaulted dome structure. 4,833,843, 5-30-89, Cl. 52-81.000.

- Richter, Donald L., to Temcor. Mounting of glazing panels. 4,843,773, 7-4-89, Cl. 54-397.000.
- Richter, Ekkehard; Juntgen, Harald; Schmidt, Hans-Jurgen; and Knoblauch, Karl, to Bergwerksverband GmbH. Activated coke method of removing nitrogen oxides from exhaust gases. 4,855,116, 8-8-89, Cl. 423-239.000.
- Richter, Felix: *See—*
  - Baur, Richard; Fikentscher, Rolf; Oftring, Alfred; Richter, Felix; Trieselt, Wolfgang; Diessel, Paul; Winkler, Ekhard; and Perner, Johannes, 4,816,553, Cl. 528-245.000.
  - Baur, Richard; Richter, Felix; Birnbach, Stefan; Fikentscher, Rolf; Oftring, Alfred; Winkler, Ekhard; and Bochnitschek, Werner, 4,827,014, Cl. 558-441.000.
  - Denzinger, Walter; Hartmann, Heinrich; Goeckel, Ulrich; Richter, Felix; Raubenheimer, Hans-Juergen; and Winkler, Ekhard, 4,818,794, Cl. 525-327.800.
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- Richter Gedeon Vegyeszeti Gyar Rt.: *See—*
  - Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik; Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabadkai, Istvan; and Hegedus, Bela, 4,835,281, Cl. 548-197.000.
  - Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , 4,879,404, Cl. 560-051.000.
  - Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
  - Kasztreiner, Endre; Rablocsky, Gyorgy; Makk, Nandor; Jaszlits, Laszlo; Matyus, Peter; Cseh, Gyorgy; Pribusz nee Rapp, Ildiko ; Czako, Klara; Diesler, Eszter; Elekes, Istvan; Kaufer, Laszlo; Kuhar nee Kurthy, Maria; Kincsessy, Judit; Kosary, Judit; and Nagy nee Csokas, Gyongyi, 4,826,845, Cl. 514-253.000.
  - Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo , 4,859,682, Cl. 514-288.000.
  - Knoll, Jozsef; Harmath, Sandor; Nagy, Janos; and Knoll, Berta, 4,859,766, Cl. 530-380.000.
  - Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
  - Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
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  - Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
  - Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
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- Richter, George N., to Texaco Inc. Environmentally safe method for disposing of asbestos containing materials. 4,808,198, 2-28-89, Cl. 48-197.00R.
- Richter, Gerald L.: *See—*
  - Erickson, James W.; Jeche, Merlyn W.; O'Groske, Rolland D.; and Richter, Gerald L., 4,815,983, Cl. 439-173.000.
- Richter, Gerhard: *See—*
  - Mund, Konrad; Preidel, Walter; Rao, J. Raghavendra; and Richter, Gerhard, 4,853,091, Cl. 204-1.00T.
- Richter, Gerolf, to Varta Batterie Aktiengesellschaft. Electric battery. 4,865,928, 9-12-89, Cl. 429-120.000.
- Richter, Gunter: *See—*
  - Grimm, Hans; and Richter, Gunter, 4,831,787, Cl. 51-165.910.
- Richter, Hans, to Blomberg Robotertechnik GmbH. Robot arm. 4,827,791, 5-9-89, Cl. 74-469.000.
- Richter, Hans-Jurgen, to Allstar Vergrauchsguter GmbH. Household board. 4,840,361, 6-20-89, Cl. 269-289.00R.
- Richter, Hans-Peter: *See—*
  - Noske, Reiner; Richter, Hans-Peter; and Heitmann, Jurgen, 4,851,909, Cl. 358-149.000.
  - Wischermann, Gerhard; and Richter, Hans-Peter, 4,855,826, Cl. 358-139.000.
- Richter, Henry J., Jr. Bi-articulated prosthetic terminal device. 4,834,760, 5-30-89, Cl. 623-65.000.
- Richter, Herbert, to Herbert Richter, Metallwaren-Apparafebau GmbH & Co. Storage magazine with plural leaf springs for recording tape cassettes in the cassette boxes. 4,815,598, 3-28-89, Cl. 206-387.000.
- Richter, Johan C. F. C.; and Richter, Ole J., to Kamyr AB. Multiscreen pressure diffuser. 4,840,047, 6-20-89, Cl. 68-181.00R.
- Richter, Johan C. F. C.; Ricter, Ole J.; and Jacobsen, Finn, to Kamyr AB. Effective diffuser/thickener screen backflushing. 4,881,286, 11-21-89, Cl. 8-156.000.
- Richter, Juergen; Grau, Werner; Maurer, Gerd; Domas, Friedrich; Loeser, Werner; Bender, Rainer; Schulze, Axel-Ruediger; and Doerr, Kurt, to BASF Aktiengesellschaft. Surface treatment of disk-shaped nickel-plated aluminum substrates. 4,835,909, 6-6-89, Cl. 51-281.0SF.
- Richter, Karl M., to Howmedica International, Inc. Locking nail. 4,862,880, 9-5-89, Cl. 128-92.0YK.
- Richter, Karl M.: *See—*
  - Olerud, Sven E.; and Richter, Karl M., 4,850,344, Cl. 128-92.0VD.
- Richter, Klaus, to ABS Allgemeiner Brandschutz, G.u.M. Sealing device for sealing openings in shelters. 4,870,909, 10-3-89, Cl. 109-59.00T.
- Richter, Klaus-Peter: *See—*
  - Jadamus, Hans; and Richter, Klaus-Peter, 4,800,120, Cl. 428-286.000.
  - Jadamus, Hans; and Richter, Klaus-Peter, 4,816,345, Cl. 428-521.000.
  - Jadamus, Hans; Beckmann, Guenter; Streck, Roland; Richter, Klaus-Peter; and Schafer, Wolfgang, 4,835,063, Cl. 428-495.000.
- Richter, Konrad: *See—*
  - Bachl, Robert; Funk, Guido; Richter, Konrad; Hemmerich, Rainer; and Saive, Roland, 4,831,090, Cl. 526-116.000.
- Richter, Lutz: *See—*
  - Schumann, Frank; Redmer, Claus-Dieter; and Richter, Lutz, 4,850,520, Cl. 227-81.000.
- Richter, Ole J.: *See—*
  - Richter, Johan C. F. C.; and Richter, Ole J., 4,840,047, Cl. 68-181.00R.
- Richter, Paul A. Rotary/linear convertor. 4,796,514, 1-10-89, Cl. 92-33.000.
- Richter, Raymond T.: *See—*
  - Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Granger, Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, Jr., 4,818,300, Cl. 148-2.000.
- Richter, Roland; Muller, Hanns P.; Hombach, Rudolf; Dollhausen, Manfred; Avar, Geza; and Freitag, Hans-Albrecht, to Bayer Aktiengesellschaft. Polyisocyanate compositions containing reversibly blocked catalysts and addition products of sulfonyl isocyanates with catalysts having a tin(II)- or tin(IV)-carboxylate structure. 4,824,595, 4-25-89, Cl. 252-182.170.
- Richter, Roland: *See—*
  - Halpaap, Reinhard; Klein, Gerhard; Richter, Roland; Muller, Hanns P.; Pedain, Josef; and Kreuder, Hans-Joachim, 4,851,531, Cl. 544-222.000.
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- Richter, Siegfried; and Hetz, Helmar, to kabelmetal electro Gesellschaft mit beschrankter Haftung. Flame-resistant electric line. 4,810,835, 3-7-89, Cl. 174-107.000.
- Richter, Stephen P., to Colgate-Palmolive Company. Method of shaping of soap bar. 4,885,108, 12-5-89, Cl. 252-134.000.
- Richtler, Hans-Joachim; Kreutzer, Udo; Carduck, Franz-Josef; Koester, Klaus; and Harth, Hubert, to Henkel Kommanditgesellschaft auf Aktien. Process for simultaneous bleaching and neutralization of alpha-sulfofatty acid esters. 4,874,552, 10-17-89, Cl. 260-400.000.
- Richtmeyer, Robert D.; and Smith, Kelvin M., to Torrington Company, The. Universal joint including roller bearings. 4,886,479, 12-12-89, Cl. 464-111.000.
- Richtmeyer, Robert D.: *See—*
  - Fredericksen, Arnold E.; and Richtmeyer, Robert D., 4,878,463, Cl. 123-90.410.
- Rick, Paul N.: *See—*
  - Rich, Douglas A.; Rick, Paul N.; Bournias, James N.; and Lyons, Robert E., 4,885,010, Cl. 55-241.000.
- Rickard, J. Terry: *See—*
  - Kolesar, Robert R.; and Rickard, J. Terry, 4,809,638, Cl. 116-26.000.
- Rickard, John T.: *See—*
  - Gott, F. Kenneth, Jr.; Rickard, John T.; and Connelly, Stephen F., 4,823,809, Cl. 128-776.000.
- Rickard, Martin R. Photography shade and vignetter. 4,875,066, 10-17-89, Cl. 354-296.000.
- Rickard, Paul. Portable handheld urinal and complementary flush system for same. 4,819,280, 4-11-89, Cl. 4-301.000.

- Rickard, William A.; and Andrews, William G., to Kartridg Pak Co., The. Apparatus for testing groups of pressurized cans for leakers. 4,869,096, 9-26-89, Cl. 73-41.200.
- Rickborn, Steven F.; and Rogers, Donald Z., to Northrop Corporation. Small hollow particles with conductive coating. 4,818,607, 4-4-89, Cl. 428-323.000.
- Rickborn, Steven F., to Northrop Corporation. Carbon film coated refractory fiber cloth. 4,825,049, 4-25-89, Cl. 219-545.000.
- Rickerby, David S.: *See—*
  - Coad, Joseph P.; Rickerby, David S.; and Warrington, Philip, 4,885,069, Cl. 204-192.310.
- Rickerl, Paul G.: *See—*
  - Feilchenfeld, Natalie B.; Fuerniss, Stephen J.; Glenning, John J.; Pawlowski, Walter P.; Phelan, Giana M.; and Rickerl, Paul G., 4,883,744, Cl. 430-325.000.
- Rickert, Ervin M.: *See—*
  - Davison, Kent E.; and Rickert, Ervin M., 4,820,357, Cl. 148-12.400.
- Rickert, Hans; Mueller, Peter; and Holzaepfel, Guenter, to Vereinigte Elektrizitatswerke Westfalen AG. Process for desulfurizing waste gases. 4,836,992, 6-6-89, Cl. 423-242.000.
- Rickert, Richard: *See—*
  - Saylor, Millard P.; and Rickert, Richard, 4,815,215, Cl. 33-197.000.
- Rickert, Robert G., to International Business Machines Corp. Method for controlling plating on seeded surfaces. 4,808,431, 2-28-89, Cl. 427-8.000.
- Ricketts, Donald, to Raytheon Company. Multi-layered polymer hydrophone array. 4,805,157, 2-14-89, Cl. 367-119.000.
- Ricketts, John; and Grecu, George M. Thickness monitor for floated sludge. 4,876,888, 10-31-89, Cl. 73-319.000.
- Ricketts, Jon E.; Lucas, James R.; and Matousek, Robert A., to J. I. Case Company. Cleaning system for combines. 4,869,272, 9-26-89, Cl. 460-100.000.
- Ricketts, Martin W.: *See—*
  - Anthias, Tefcros; Herrod, John A.; and Ricketts, Martin W., 4,845,644, Cl. 364-521.000.
- Ricketts, William J.: *See—*
  - Parrott, Richard M.; Peng, Yuchi P.; and Ricketts, William J., 4,821,770, Cl. 137-596.170.
- Rickle, Greg K.: *See—*
  - Babinec, Susan J.; and Rickle, Greg K., 4,867,909, Cl. 252-518.000.
- Rickling, Arthur, deceased; and by Rickling, Margie J., executrix. Portable bench rest shooting stand and gun case holder. 4,824,086, 4-25-89, Cl. 269-156.000.
- Rickling, Margie J., executrix: *See—*
  - Rickling, Arthur, deceased; and Rickling, Margie J., executrix, 4,824,086, Cl. 269-156.000.
- Rickloff, James R.: *See—*
  - Schmidt, William C.; and Rickloff, James R., 4,863,688, Cl. 422-28.000.
- Rickmann, Hans-Werner: *See—*
  - Giersch, Dieter; Rickmann, Hans-Werner; and Wibbeling, Ulrich, 4,872,274, Cl. 37-64.000.
- Rickner, Thomas W. Auxiliary towel rack shelves. 4,799,432, 1-24-89, Cl. 211-105.100.
- Ricks, Alfred, Jr.; and Williams, Michael E. Game apparatus and method. 4,863,175, 9-5-89, Cl. 273-342.000.
- Ricks, Robert D.: *See—*
  - Bornn, Robert; and Ricks, Robert D., 4,827,943, Cl. 128-668.000.
- Ricks, Ronald S. Sunroof air deflector. 4,844,538, 7-4-89, Cl. 296-217.000.
- Rickson, Colin D., to Liquid Crystal Devices Limited. Sun heat radiation sensor. 4,863,282, 9-5-89, Cl. 374-162.000.
- Rickwood, Martin, to Pilkington plc. Spiro-oxazine compounds. 4,851,530, 7-25-89, Cl. 544-71.000.
- Ricky Contact Lens, Inc.: *See—*
  - Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-245.000.
- Ricles, Thomas D.; and Domstead, Gary R., to Dresser Industries, Inc. Apparatus for firing borehole perforating apparatus. 4,886,127, 12-12-89, Cl. 175-4.540.
- Rico, Isabelle: *See—*
  - Gautier, Martine; Rico, Isabelle; Lattes, Armand; and Bertocchio, Rene, 4,855,025, Cl. 204-157.860.
  - Laval, Jean-Paul; Leconte, Michel; Ollivier, Jean; Perez, Emile; Quignard, Francoise; and Rico, Isabelle, 4,837,188, Cl. 502-107.000.
- Ricoh Company, Ltd.: *See—*
  - Abe, Michiharu, 4,829,499, Cl. 369-59.000.
  - Adachi, Eiichi, 4,870,678, Cl. 379-100.000.
  - Akiyoshi, Hideki; Tamura, Hiroshi; Kutami, Atsushi; and Takada, Yoshihiro, 4,837,120, Cl. 430-56.000.
  - Arai, Atsushi, 4,878,092, Cl. 355-285.000.
  - Arai, Yoshihiro, 4,887,162, Cl. 358-400.000.
  - Araki, Kunihiko; Kobayashi, Mikio; Terui, Hiroshi; and Nishida, Tohru, 4,835,558, Cl. 354-156.000.
  - Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-691.000.
  - Asada, Kenichiro; Mama, Takashi; and Fujioka, Takanobu, 4,796,265, Cl. 372-31.000.
  - Asada, Kenichirou, 4,845,358, Cl. 250-235.000.
  - Asada, Kenichirou, 4,866,538, Cl. 358-300.000.
  - Asami, Kazuo; and Ogasawara, Fumihiro, 4,841,373, Cl. 358-257.000.
  - Azumai, Hideo; Fujii, Koichi; Seigenji, Takashi; and Yoshioka, Keiichi, 4,855,803, Cl. 357-45.000.
  - Banno, Masahiko; and Nakazato, Yasushi, 4,876,606, Cl. 358-434.000.
  - Bisaiji, Takashi, 4,837,597, Cl. 355-203.000.
  - Bisaiji, Takashi; Sawayama, Noboru; and Yoo, Hideo, 4,875,079, Cl. 355-246.000.
  - Chiba, Shunichi; and Inoue, Satoru, 4,826,747, Cl. 430-54.000.
  - Chikano, Hisao; and Yokota, Takashi, 4,801,981, Cl. 355-3.0SH.
  - Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
  - Endo, Toshio; and Sato, Mitsuo, 4,887,168, Cl. 358-299.000.
  - Enoki, Shigekazu; Sawayama, Noboru; Katoh, Shunji; and Kimura, Noriyuki, 4,885,223, Cl. 430-122.000.
  - Enomoto, Keiji, 4,848,884, Cl. 350-429.000.
  - Fujimoto, Junichiroh; and Muroi, Tetsuya, 4,827,519, Cl. 381-42.000.
  - Fujimoto, Sakae, 4,832,519, Cl. 400-639.100.
  - Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, 4,822,705, Cl. 430-60.000.
  - Fukagai, Toshio; Kimura, Michio; Ohta, Masafumi; and Hashimoto, Mitsuru, 4,830,942, Cl. 430-58.000.
  - Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, 4,863,822, Cl. 430-58.000.
  - Furukawa, Tatsuya, 4,797,688, Cl. 346-75.000.
  - Furuta, Hideya; Sakai, Yoshihiro; Mamizuka, Mitsuru; and Fujieda, Fumitaka, 4,796,050, Cl. 355-4.000.
  - Furuya, Hiromi; and Iiyama, Kiyotaka, 4,845,072, Cl. 503-209.000.
  - Haganuma, Tomoyuki, 4,809,019, Cl. 346-76.0PH.
  - Harada, Masahide; and Kimura, Kazuhiro, 4,870,460, Cl. 355-246.000.
  - Hashimoto, Yoshio; and Tajima, Hiroki, 4,820,005, Cl. 350-6.800.
  - Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,818,921, Cl. 318-269.000.
  - Hata, Daisuke; Iguchi, Susumu; Ohno, Yoshimi; Aoki, Kazumasa; and Hatase, Takayuki, 4,831,405, Cl. 354-409.000.
  - Hatase, Takayuki; and Ohno, Yoshimi, 4,825,237, Cl. 354-402.000.
  - Hatase, Takayuki; and Ohno, Yoshimi, 4,861,146, Cl. 350-429.000.
  - Hayashi, Tadao, 4,881,130, Cl. 358-443.000.
  - Higashi, Yuitiro; Nakai, Junji; Kawabuchi, Hidenori; and Kato, Yasuhisa, 4,843,214, Cl. 219-216.000.
  - Higuchi, Masami, 4,860,054, Cl. 355-300.000.
  - Himuro, Keiji; and Nishi, Kohichi, 4,864,337, Cl. 354-152.000.
  - Himuro, Keiji; Hongoh, Takashi; and Koyama, Kenji, 4 866,468, Cl. 354-195.100.
  - Hirano, Yasuo; Nojima, Kazuo; and Orihara, Motoi, 4,833,058, Cl. 430-120.000.
  - Hirasawa, Junichi; Kodama, Yutaka; Komada, Kenya; and Adachi, Takefumi, 4,866,482, Cl. 355-260.000.
  - Horike, Masanori; Ebi, Yutaka; and Umezawa, Michio, 4,834,533, Cl. 356-133.000.
  - Horne, Donald R., 4,887,296, Cl. 380-21.000.
  - Hoshi, Kazunori, 4,815,070, Cl. 370-60.000.
  - Hoshi, Kazunori, 4,843,605, Cl. 370-60.000.
  - Hoshi, Kazunori, 4,858,228, Cl. 370-60.000.
  - Idenawa, Hiroyuki, 4,814,816, Cl. 355-3.0DD.
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
  - Iida, Haruki, 4,870,466, Cl. 355-297.000.
  - Iiyama, Kiyotaka; and Hayakawa, Kunio, 4,880,762, Cl. 503-220.000.
  - Ikawa, Koji, 4,829,474, Cl. 364-900.000.
  - Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
  - Ikehira, Kimimasa; Wu, Ming-Chi; and Liu, Chih-Yuan, 4,878,117, Cl. 358-183.000.
  - Ikesue, Masumi; and Ikeda, Takashi, 4,878,603, Cl. 222-167.000.
  - Imakawa, Susumu; and Takeyama, Yoshinobu, 4,837,588, Cl. 346-108.000.
  - Imao, Kaoru, 4,819,193, Cl. 364-526.000.
  - Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, 4,797,890, Cl. 372-46.000.
  - Inada, Hitoshi; and Kanno, Tetsuo, 4,823,336, Cl. 369-215.000.
  - Inoue, Satoru; and Matsui, Akio, 4,822,707, Cl. 430-106.000.
  - Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, 4,883,766, Cl. 437-40.000.
  - Ishii, Kimiyasu, 4,809,039, Cl. 355-14.00R.
  - Ishikawa, Toyoji; Kaneko, Toshio; Endo, Shuichi; Ogata, Yoshihiro; and Takaya, Toshihiko, 4,873,940, Cl. 118-651.000.
  - Ito, Takanori, 4,843,458, Cl. 358-80.000.
  - Iwamoto, Minoru, 4,814,831, Cl. 355-40.000.
  - Izumi, Kouji; Eguti, Hirotoshi; Ohta, Eiichi; Kimura, Yuhji; and Ebi, Yutaka, 4,836,034, Cl. 73-862.040.
  - Izumi, Kouji; Itagaki, Masanori; Ohta, Eiichi; Okamoto, Hiroyuki; Ino, Masumitsu; and Equchi, Hirotoshi, 4,849,730, Cl. 338-2.000.
  - Kadokawa, Yuichi; Uchiyama, Hiroki; and Yamada, Wasaku, 4,870,685, Cl. 381-31.000.
  - Kameda, Masahiro; Kamei, Yojiro; and Kurihara, Kenichi, 4,890,151, Cl. 357-65.000.
  - Kameyama, Toshiaki; and Kobayashi, Yuichi, 4,872,660, Cl. 271-9.000.
  - Kamiya, Kenji, 4,817,181, Cl. 382-54.000.

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Kamon, Kouichi, 4,875,104, Cl. 358-400.000.
Kanaya, Koichi, 4,815,725, Cl. 271-258.000.
Kaneda, Tokuzo, 4,879,580, Cl. 355-295.000.
Kani, Yasuyuki; Ohdake, Eishu; and Miyakawa, Seiichi, 4,811,158, Cl. 361-230.000.
Kasahara, Nobuo; and Nakahara, Toshio, 4,835,582, Cl. 355-3.0DR.
Kasahara, Nobuo; and Nakahara, Tosio, 4,862,214, Cl. 355-377.000.
Kasahara, Nobuo, 4,864,358, Cl. 355-277.000.
Kasahara, Nobuo; Sato, Nobuyuki; and Noguchi, Yukio, 4,866,478, Cl. 355-70.000.
Kasahara, Nobuo; Nakahara, Tosio; Watanuki, Masayosi; and Sawamura, Tadahide, 4,872,037, Cl. 355-271.000.
Kato, Shingo; Ogawa, Shunichi; Yumoto, Makoto; and Suzuki, Kazuhiro, 4,846,595, Cl. 400-320.000.
Kato, Toshio; Uotani, Kunihiro; and Ito, Mitsuhiko, 4,872,659, Cl. 271-9.000.
Katoh, Kazuyuki, 4,885,610, Cl. 355-233.000.
Kawanishi, Toshiyuki; and Tabata, Yukio, 4,853,707, Cl. 346-1.100.
Kikuchi, Shuichi, 4,861,145, Cl. 350-427.000.
Kikuno, Mitsutoyo; Hirono, Tatsuo; Nakashima, Yoshihiro; and Yoshino, Hirobumi, 4,799,081, Cl. 355-14.00C.
Kimura, Okitoshi; Ohsawa, Toshiyuki; Kabata, Toshiyuki; Nishihara, Hiroshi; and Aramaki, Kunitsugu, 4,837,096, Cl. 429-213.000.
Kimura, Okitoshi; Kabata, Toshiyuki; and Ohsawa, Toshiyuki, 4,886,572, Cl. 156-633.000.
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Kishida, Daisuke; and Sasaki, Saburo, 4,878,081, Cl. 354-414.000.
Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; and Akedo, Jun, 4,823,001, Cl. 250-231.0SE.
Kobayashi, Hiroshi; Machida, Haruhiko; Ema, Hideaki; Akedo, Jun; Harigaya, Makoto; and Ide, Yasushi, 4,840,922, Cl. 437-129.000.
Kobayashi, Hiroshi; Machida, Haruhiko; Harigaya, Makoko; Ide, Yasushi; and Akedo, Jun, 4,855,256, Cl. 437-129.000.
Kobayashi, Mikio; and Ueno, Akira, 4,887,120, Cl. 354-416.000.
Kobayashi, Shinji; and Sasaki, Tomio, 4,827,350, Cl. 358-280.000.
Kodama, Yutaka; and Hirasawa, Junichi, 4,853,735, Cl. 355-215.000.
Kogure, Masaaki; Mitekura, Yoshihiro; Matsuyama, Naoki; and Shinguryo, Satoshi, 4,857,908, Cl. 340-785.000.
Koichi, Yasushi; Mizuishi, Haruzi; Funaki, Mutuko; and Fujioka, Tetsuya, 4,885,466, Cl. 250-324.000.
Kouchiwa, Taira, 4,859,044, Cl. 350-464.000.
Kudoh, Kunio, 4,885,613, Cl. 355-310.000.
Kuno, Masashi; and Hirose, Akira, 4,847,656, Cl. 355-202.000.
Kurokawa, Shunji, 4,811,111, Cl. 358-257.000.
Kurokawa, Shunji, 4,864,606, Cl. 379-387.000.
Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
Kusakata, Shigeru; Suzuki, Aimi; and Shiojima, Isao, 4,847,385, Cl. 548-455.000.
Kutami, Atsushi; Hashimoto, Akira; and Takada, Yoshihiro, 4,862,211, Cl. 355-212.000.
Kyomasu, Mikio, 4,815,036, Cl. 365-189.000.
Machida, Hajime, 4,816,292, Cl. 427-38.000.
Machida, Hajime, 4,883,710, Cl. 428-336.000.
Maniwa, Yoshio; and Morita, Takashi, 4,860,119, Cl. 358-296.000.
Maniwa, Yoshio; Morita, Takashi; Niro, Masaichi; Abe, Daisuke; and Nagayama, Haruhiko, 4,872,091, Cl. 361-424.000.
Matsuda, Toru; Yano, Takanori; Okamoto, Toshiaki; and Okamoto, Akira, 4,860,214, Cl. 364-513.000.
Matsumoto, Kazuyoshi; Miyakawa, Seiichi; Ohdake, Eishu; and Suzuki, Shigeru, 4,803,593, Cl. 361-225.000.
Mayer, Edward F., 4,803,503, Cl. 346-159.000.
Misawa, Shigeyoshi; and Funato, Hiroyoshi, 4,876,680, Cl. 369-110.000.
Mitsunobu, Takamasa, 4,837,505, Cl. 324-158.00R.
Miyake, Shigeru, 4,814,640, Cl. 307-303.000.
Miyawaki, Shozo, 4,804,998, Cl. 355-14.0SH.
Miyazawa, Hideyuki, 4,868,669, Cl. 358-400.000.
Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, 4,880,768, Cl. 503-227.000.
Mochizuki, Manabu; Kurotori, Tsuneo; and Hasegawa, Toshiharu, 4,801,965, Cl. 355-4.000.
Mochizuki, Manabu; and Kurotori, Tuneo, 4,833,500, Cl. 355-256.000.
Mori, Masaaki; and Okada, Chiharu, 4,827,288, Cl. 346-76.0PH.
Mori, Masaaki, 4,845,520, Cl. 346-76.0PH.
Morita, Tetsuya, 4,887,259, Cl. 370-60.000.
Murai, Tatsuya, 4,866,484, Cl. 355-313.000.
Murayama, Noboru; and Shimura, Hiroshi, 4,797,943, Cl. 382-54.000.
Muroi, Tetsuya; Yasuda, Seigou; Kawamoto, Toshiki; and Fujimoto, Junichiroh, 4,833,713, Cl. 381-43.000.
Nagatsuna, Shinji, 4,876,572, Cl. 355-210.000.
Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, 4,835,565, Cl. 355-259.000.
Nagayama, Masanori, 4,816,870, Cl. 355-3.0DD.
Nakahara, Tosio; and Kasahara, Nobuo, 4,864,367, Cl. 355-272.000.
Nakajima, Tomohiro; and Komurasaki, Takeshi, 4,869,582, Cl. 350-631.000.
Nakajima, Yoshinori, 4,824,267, Cl. 400-144.200.
Nakamura, Shogo; and Nakatani, Tomofumi, 4,833,717, Cl. 381-50.000.
Nakamura, Takuma; and Saka, Yasuhiko, 4,851,924, Cl. 358-296.000.
Nakamura, Yoko; Kojima, Fumiyo; and Yoshino, Hirobumi, 4,876,571, Cl. 355-210.000.
Nakayama, Masahiko; and Goto, Hiroshi, 4,815,059, Cl. 369-45.000.
Nakayama, Nobuhiro; Asahina, Yasuo; Fushimi, Hiroyuki; and Iwamoto, Yasuaki, 4,841,331, Cl. 355-245.000.
Naruse, Osamu; Ishikawa, Chuji; Kakeno, Sadao; and Iwasaki, Kyuhachiro, 4,800,398, Cl. 346-75.000.
Naruse, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, 4,847,631, Cl. 346-75.000.
Nishikawa, Masami, 4,857,484, Cl. 437-209.000.
Nishimiya, Masanobu, 4,821,252, Cl. 369-48.000.
Nishina, Kiichiro, 4,836,664, Cl. 350-464.000.
Nitta, Hiroshi, 4,814,790, Cl. 346-76.0PH.
Obata, Takeo; Takata, Akira; and Fujioka, Takuro, 4,857,775, Cl. 307-468.000.
Ogasawara, Fumihiro, 4,888,766, Cl. 370-95.100.
Ogiyama, Hiromi, 4,851,874, Cl. 355-253.000.
Ogura, Masaaki, 4,860,115, Cl. 358-443.000.
Ogura, Masaaki, 4,876,609, Cl. 358-443.000.
Ohno, Yoshimi; Hatase, Takayuki; and Hata, Daisuke, 4,881,799, Cl. 350-429.000.
Ohsawa, Toshiyuki; Yoshino, Katsumi; and Kanetou, Keiichi, 4,804,568, Cl. 428-40.000.
Ohta, Wasaburo; Katuragawa, Tadao; and Kinoshita, Mikio, 4,854,265, Cl. 118-723.000.
Oka, Seiji, 4,799,608, Cl. 222-505.000.
Okubo, Toshimitsu; Takezawa, Mamoru; Satoh, Mitsuyoshi; and Suzuki, Kazuhiro, 4,799,814, Cl. 400-639.100.
Omi, Kyoji, 4,837,614, Cl. 358-75.000.
Ozawa, Toshiro, 4,854,683, Cl. 350-427.000.
Ozeki, Yoshiaki; Kondo, Makio; and Taniguchi, Hayashi, 4,811,113, Cl. 358-261.100.
Padalino, Marco, 4,809,016, Cl. 346-75.000.
Saeki, Shiro; and Ikeda, Sunao, 4,860,057, Cl. 355-23.000.
Saeki, Shiro, 4,864,366, Cl. 355-235.000.
Saito, Takeshi; and Takagaki, Hiromitsu, 4,821,075, Cl. 355-3.0DD.
Saito, Yuichi, 4,839,737, Cl. 358-257.000.
Saito, Yuichi, 4,855,839, Cl. 358-296.000.
Saka, Yasuhiko, 4,839,731, Cl. 358-296.000.
Sakaguchi, Touru; Takahashi, Akira; and Ueno, Akira, 4,809,031, Cl. 354-429.000.
Sakamoto, Koji; and Tanzawa, Misao, 4,862,209, Cl. 355-211.000.
Sakano, Yukio, 4,805,120, Cl. 364-519.000.
Sakano, Yukio, 4,851,920, Cl. 358-456.000.
Sakano, Yukio, 4,875,190, Cl. 365-189.040.
Sakurai, Tatsuaki, 4,853,934, Cl. 372-29.000.
Sasaki, Eiichi, 4,816,843, Cl. 346-76.0PH.
Sasaki, Eiichi, 4,873,535, Cl. 346-1.100.
Sasaki, Eiichi; Mori, Takashi; and Watanabe, Tetsuo, 4,890,120, Cl. 346-76.0PH.
Sasaki, Masaomi; and Shimada, Tomoyuki, 4,830,943, Cl. 430-58.000.
Sasaki, Masaomi, 4,859,556, Cl. 430-73.000.
Sasaki, Saburo; Himuro, Keiji; and Koshiishi, Shinichiro, 4,862,203, Cl. 354-400.000.
Sasaki, Saburo; Ishida, Tsutomu; and Yamamoto, Kenji, 4,874,957, Cl. 250-578.000.
Sasaki, Tomio, 4,860,117, Cl. 358-287.000.
Sasaki, Tomio, 4,864,413, Cl. 358-451.000.
Sato, Kei; and Murayama, Noboru, 4,797,809, Cl. 364-200.000.
Satoh, Tsumori; and Koichi, Yasushi, 4,885,612, Cl. 355-305.000.
Sawada, Yasuo; and Machida, Hajime, 4,839,226, Cl. 428-336.000.
Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, 4,814,821, Cl. 355-4.000.
Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanami, Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, Cl. 430-60.000.
Senma, Toshitaka; Imamura, Tomoatsu; and Shimada, Kazuyuki, 4,856,008, Cl. 372-31.000.
Shibanai, Ichiroh; and Shimizu, Sakae, 4,808,396, Cl. 423-579.000.
Shibano, Tomobumi, 4,819,030, Cl. 355-15.000.
Shigemori, Toshihiro, 4,814,679, Cl. 318-318.000.
Shigemori, Toshihiro, 4,816,722, Cl. 318-314.000.
Shigemori, Toshihiro, 4,817,069, Cl. 369-32.000.
Shimada, Kazuyuki, 4,813,046, Cl. 372-38.000.
Shimada, Kazuyuki; Nakajima, Tomohiro; Kotabe, Hiroaki; Yamanobe, Kouji; and Yamazaki, Kozo, 4,853,710, Cl. 346-108.000.
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Shimada, Tomoyuki; Sasaki, Masaomi; and Hashimoto, Mitsuru, 4,886,846, Cl. 523-453.000.
Shimura, Ryochi; and Konagaya, Yukio, 4,833,021, Cl. 428-336.000.
Shinada, Masayuki, 4,864,363, Cl. 355-133.000.
Shiraishi, Shuhei; and Hakiri, Minoru, 4,828,904, Cl. 428-212.000.
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Sugimura, Keiichi; Takeyama, Yoshinobu; and Shimada, Kazuyuki, 4,835,780, Cl. 372-29.000.
Sumida, Hiroyasu, 4,851,878, Cl. 355-204.000.

Sumida, Hiroyasu, 4,881,101, Cl. 355-204.000.
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Suzuki, Akira; and Morohoshi, Kunichika, 4,847,144, Cl. 428-321.500.
Suzuki, Akira; Mochizuki, Nobuo; and Morohoshi, Kunichika, 4,871,609, Cl. 428-195.000.
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Suzuki, Takami; Tatara, Yoshikuni; and Moriya, Tomoyuki, 4,874,264, Cl. 400-335.000.
Suzuki, Tetsuro; Yoshikawa, Masao; and Kojima, Akio, 4,874,481, Cl. 204-59.00R.
Tagoku, Izumi; and Mashiko, Harumitsu, 4,837,071, Cl. 428-195.000.
Taji, Satoru, 4,810,666, Cl. 437-030.000.
Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, 4,860,417, Cl. 29-130.000.
Takada, Hiromi; Shimazaki, Toshio; Okamoto, Keiji; and Aoki, Hideo, 4,796,037, Cl. 346-160.100.
Takada, Toshiyuki, 4,852,254, Cl. 358-75.000.
Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, 4,884,051, Cl. 338-4.000.
Takahashi, Shuichi, 4,823,376, Cl. 379-100.000.
Takahashi, Shuichi; and Koshiishi, Takaho, 4,837,812, Cl. 379-98.000.
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Takakubo, Masaaki; and Ohsawa, Toshiyuki, 4,818,646, Cl. 429-213.000.
Takanashi, Kenichi, 4,836,630, Cl. 350-6.100.
Takanashi, Kenichi, 4,859,011, Cl. 350-6.800.
Takanashi, Kenichi, 4,863,227, Cl. 350-6.800.
Takashima, Masayuki; and Sawayama, Noboru, 4,855,783, Cl. 355-298.000.
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Takata, Akira; and Fujii, Koichi, 4,857,773, Cl. 307-465.000.
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Tanaka, Masaru; and Oka, Seiji, 4,800,411, Cl. 355-3.0DD.
Tanaka, Shigetaka; Tanigawa, Toshiaki; and Kaga, Mitsuru, 4,800,574, Cl. 375-26.000.
Tanzawa, Misao; Sakamoto, Koji; and Satoh, Mitsuru, 4,862,212, Cl. 355-3.00A.
Tarumi, Noriyoshi; and Nishido, Kazuhiro, 4,827,868, Cl. 118-653.000.
Tatara, Yoshikuni; and Yamada, Daisuke, 4,831,409, Cl. 364-526.000.
Tomita, Masami; Nomura, Yoshihiro; Ide, Noriaki; and Ohtaki, Kazumi, 4,888,263, Cl. 430-106.000.
Tomita, Satoru; and Imakawa, Susumu, 4,834,477, Cl. 350-6.200.
Tsubuko, Kazuo, 4,797,341, Cl. 430-114.000.
Tsubuko, Kazuo; and Nagai, Kayoko, 4,855,207, Cl. 430-109.000.
Tsumura, Naoki, 4,868,852, Cl. 375-59.000.
Tsurukawa, Ikuya; Nishi, Kohichi; and Yamaguchi, Kunihisa, 4,831,399, Cl. 354-221.000.
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Yamaguchi, Kunihisa; Nishi, Kohichi; Tsurukawa, Ikuya; and Sawabe, Kosaku, 4,847,648, Cl. 354-195.120.
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Yamamoto, Shoji; and Saito, Yuichi, 4,864,602, Cl. 379-100.000.
Yamamuro, Tetsu; and Ueda, Yutaka, 4,865,949, Cl. 430-272.000.
Yamanobe, Koji; Yamazaki, Shigeru; and Tanaka, Hidetake, 4,814,792, Cl. 346-108.000.
Yamashita, Hiroshi; and Muto, Kenkichi, 4,885,350, Cl. 526-201.000.
Yamazaki, Hideo, 4,842,430, Cl. 400-708.000.
Yamazaki, Hideo; and Kubota, Kazunori, 4,880,223, Cl. 271-293.000.
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Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, 4,818,074, Cl. 350-338.000.
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Yoshiba, Yutaka, 4,816,815, Cl. 340-750.000.
Yoshimura, Tsuyoshi, 4,796,963, Cl. 350-6.800.
Yoshino, Yukihiko, 4,831,553, Cl. 364-518.000.
Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Ricoh Corporation: *See—*
Mayer, Edward F., 4,803,503, Cl. 346-159.000.
Springer, Robert M.; Schmal, Richard L.; and Gavenman, Eugene H., 4,878,242, Cl. 379-204.000.
Wurster, Herbert K., 4,833,053, Cl. 430-58.000.

Ricoh Electronics, Inc.: *See—*
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Ricoh Research Institute of General Electronics: *See—*
Inaba, Fumio; Ito, Hiromasa; Onodera, Noriaki; and Mizuyoshi, Akira, 4,797,890, Cl. 372-46.000.
Ishida, Mamoru; Inaki, Shunichi; Akiyama, Yoshikazu; and Kohata, Mitsuhiro, 4,883,766, Cl. 437-40.000.
Sasaki, Saburo; Ishida, Tsutomu; and Yamamoto, Kenji, 4,874,957, Cl. 250-578.000.

Ricoh Systems, Inc.: *See—*
Padalino, Marco, 4,809,016, Cl. 346-75.000.

Ricordi, Eppo, to Fiat Auto S.p.A. System for measuring the angular position of an internal combustion engine crankshaft. 4,850,323, 7-25-89, Cl. 123-414.000.

Ricros, Alain: *See—*
Pinson, Yannick; and Ricros, Alain, 4,851,916, Cl. 358-213.190.

Ricter, Ole J.: *See—*
Richter, Johan C. F. C.; Ricter, Ole J.; and Jacobsen, Finn, 4,881,286, Cl. 8-156.000.

Rid Gid Products: *See—*
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Riddell, Inc.: *See—*
Schulz, Arthur M., 4,831,668, Cl. 2-414.000.
Wingo, James C., Jr., 4,872,216, Cl. 2-2.000.

Riddell, James G., to Vanderbilt University. Mixer apparatus for controlling intravenous drug infusion. 4,820,269, 4-11-89, Cl. 604-85.000.
Ridders, Johannes A. M.; and Reemers, Herman A. J., to U.S. Philips Corporation. Low-pressure mercury vapor discharge lamp having a lamp cap with walls for guiding electrode leads past starter means disposed therein. 4,853,583, 8-1-89, Cl. 313-318.000.
Riddle, Dana. Waste treatment cleaner apparatus. 4,876,010, 10-24-89, Cl. 210-525.000.

Riddle, Guy G.: *See—*
Fraser, Alexander G.; Marshall, William T.; and Riddle, Guy G., 4,852,127, Cl. 375-94.000.

Riddle, Merwyn D.: *See—*
Brimhall, Owen D.; Peterson, Stephen C.; Baker, Charles D.; and Riddle, Merwyn D., 4,854,170, Cl. 73-570.000.

Riddoch, Henry J., to Astec International, Ltd. Display apparatus. 4,831,372, 5-16-89, Cl. 340-788.000.

Riden, Joseph R.: *See—*
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Ridenour, Ralph G. Duct mount sensor assembly. 4,795,499, 1-3-89, Cl. 136-230.000.
Ridenour, Ralph G.; and Stanton, Thomas. Double bead tube fitting. 4,871,199, 10-3-89, Cl. 285-382.500.
Ridenour, Ralph G. Outdoor temperature sensing assembly. 4,881,822, 11-21-89, Cl. 374-109.000.
Rideout, Darryl C., to Scripps Clinic and Research Foundation. In situ active compound assembly. 4,812,449, 3-14-89, Cl. 514-183.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,818,538, 4-4-89, Cl. 424-436.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,818,750, 4-4-89, Cl. 514-50.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infection. 4,828,838, 5-9-89, Cl. 424-451.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,833,130, 5-23-89, Cl. 514-50.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,837,208, 6-6-89, Cl. 514-50.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,847,244, 7-11-89, Cl. 514-50.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co. Treatment of human viral infections. 4,857,511, 8-15-89, Cl. 514-50.000.
Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., to Burroughs Wellcome Co.

Treatment of human viral infections. 4,874,609, 10-17-89, Cl. 424-85.400.

Rideout, William C.; and Eichen, Elliot, to GTE Laboratories Incorporated. Method for reducing facet reflectivities of semiconductor light sources and device thereof. 4,872,180, 10-3-89, Cl. 372-99.000.

Rider, Frederick H., Jr., to General Motors Corporation. Insulator housing having operating member. 4,822,299, 4-18-89, Cl. 439-402.000.

Rider, John D. M. Dispenser for light curable substances. 4,822,280, 4-18-89, Cl. 433-229.000.

Rider, Preston L.: *See—*

Trepus, George E., Jr.; Matin, Barry D.; and Rider, Preston L., 4,806,401, Cl. 428-36.100.

Rider, Ronald E.: *See—*

Dashiell, Stephen R.; Prasad, Bindiganavele A.; Rider, Ronald E.; and Steffen, James A., 4,843,542, Cl. 364-200.000.

Rider, Scott: *See—*

Ong, Dewitt; and Rider, Scott, 4,843,026, Cl. 437-51.000.

Ridewell Corporation: *See—*

Barzelay, Abraham, 4,886,092, Cl. 137-627.500.

Ridgard, Christopher: *See—*

Sloman, Roger M.; and Ridgard, Christopher, 4,836,876, Cl. 156-242.000.

Ridgeline Corporation: *See—*

Cashman, John J., 4,817,506, Cl. 98-42.210.

Ridgeway, Louis H. Membrane packing. 4,852,743, 8-1-89, Cl. 206-583.000

Ridgway Packaging Corp.: *See—*

Prater, Donald R., 4,821,492, Cl. 53-458.000.

Ridgway, Paul A.; and Butterfield, William P., to H.P. Incorporated. Combined electrical grounding and mechanical locking means for ceiling mounted device. 4,871,327, 10-3-89, Cl. 439-543.000.

Ridgway, Paul A.: *See—*

Butterfield, William P.; and Ridgway, Paul A., 4,810,207, Cl. 439-529.000.

Ridgway, Paul L.: *See—*

Vasilevskis, Janis; Ridgway, Paul L.; and Evitt, Eric R., 4,847,421, Cl. 568-401.000.

Ridgway Watt, Peter: *See—*

Davis, Adrian F.; and Ridgway Watt, Peter, 4,842,164, Cl. 222-94.000.

Riding, Kim D.; Betz, James W.; and Templeton, James E., to Bourns, Inc. Modular encoder and switch assembly. 4,866,219, 9-12-89, Cl. 200-4.000.

Ridings, Henry T.: *See—*

Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.

Ridley, Ian H.: *See—*

Beynon, Thomas G. R.; and Ridley, Ian H., 4,806,723, Cl. 219-109.000.

Ridley, Raymond B.; and Lee, Fred C., to Virginia Tech Intellectual Properties, Inc. Multi-loop control for quasi-resonant converters. 4,866,367, 9-12-89, Cl. 323-287.000.

Ridoux, Frank E.; and Neuhalfen, Michael A., to Delco Electronics Corporation. Noise immune crankshaft pulse position developing apparatus. 4,843,580, 6-27-89, Cl. 364-569.000.

Ridyard, Denis R. A.: *See—*

Brierley, David; Kenyon, Ronald W.; and Ridyard, Denis R. A., 4,881,943, Cl. 8-662.000.

Riebel, Alexander: *See—*

Doppelfeld, Peter; Oosta, Gary; Riebel, Alexander; and Schranz, Karl-Wilhelm, 4,808,529, Cl. 435-179.000.

Riebel, Hans-Jochem, to Bayer Aktiengesellschaft. Process for the preparation of 2-cyanamino-4,6-dialkoxy-1,3,5-triazines. 4,801,709, 1-31-89, Cl. 544-194.000.

Riebel, Hans-Jochem: *See—*

Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.

Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.

Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.

Fest, Christa; Riebel, Hans-Jochem; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,822,406, Cl. 71-93.000.

Fest, Christa; Riebel, Hans-Jochem; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,846,879, Cl. 71-93.000.

Fuchs, Rainer; Maurer, Fritz; Priesnitz, Uwe; Riebel, Hans-Jochem; and Klauke, Erich, 4,845,249, Cl. 549-455.000.

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Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,797,484, Cl. 544-215.000.

Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurssen, Klaus, 4,844,730, Cl. 71-93.000.

Moriya, Koichi; Pfister, Theodor; Riebel, Hans-Jochem; Eue, Ludwig; Schmidt, Robert R.; and Lurrsen, Klaus, 4,880,932, Cl. 544-320.000.

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Rieben, Stuart L.; Kugler, Ralph W.; Scherpenberg, Joseph J.; Wiersema, Dale T.; and Fogg, James L., to Westinghouse Electric Corp. Nuclear fuel pellet collating system. 4,842,808, 6-27-89, Cl. 376-261.000.

Rieber, Norbert: *See—*

Ostersehlt, Bernd; Rieber, Norbert; and Gries, Josef, 4,851,410, Cl. 514-232.200.

Riebli, Peter, to Ciba-Geigy Corporation. Substituted 1,3-dioxolane compounds and their use as fungicides. 4,859,687, 8-22-89, Cl. 514-336.000.

Riebock, William, to Greenlee Textron Inc. Protective boot for tool mechanism. 4,829,672, 5-16-89, Cl. 30-123.000.

Riechelmann, Bernd, to Sym-Tek Systems, Inc. Electrical device contactor. 4,836,797, 6-6-89, Cl. 439-264.000.

Rieck, Hans-Peter; and Schott, Martin, to Hoechst Aktiengesellschaft. Process for the preparation of crystalline sheet-type alkali metal silicates. 4,806,327, 2-21-89, Cl. 423-332.000.

Rieck, Hans-Peter, to Hoechst Aktiengesellschaft. Washing and cleaning agent containing surfactants, builder, and crystalline layered sodium silicate. 4,820,439, 4-11-89, Cl. 252-135.000.

Rieck, Leland M.: *See—*

Duppong, Denis E.; Dvorsky, James R.; Mick, David M.; Brandt, Richard L.; and Rieck, Leland M., 4,796,029, Cl. 342-13.000.

Rieck, Norbert: *See—*

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Riecke, Edgar E.: *See—*

Chen, Chung Y.; Riecke, Edgar E.; Harbison, Kenneth G.; and Chapman, Derek D., 4,877,724, Cl. 430-621.000.

Ried, Robert C.: *See—*

Scott, Carl D.; Nagy, Kornel; Roberts, Barney B.; Ried, Robert C.; Kroll, Kenneth R.; and Gamble, Joe. 4,817,895, Cl. 244-138.00R.

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Eiglmeier, Kurt; and Schulz, Joachim, 4,824,892, Cl. 524-291.000.

Riedel, Dieter, to Johannes Menschner Maschinenfabrik GmbH & Co. KG. Decatizing method and apparatus. 4,809,378, 3-7-89, Cl. 8-149.300.

Riedel, Ernest P.; and Boenning, Robert A., to Westinghouse Electric Corp. Method and apparatus for optically detecting circuit malfunctions. 4,812,037, 3-14-89, Cl. 356-35.000.

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DeBonville, David A.; and Riedel, Gerard E., 4,843,012, Cl. 435-270.000.

Riedel, Gerd: *See—*

Graczoll, Peter; Gumplinger, Franz; Peuke, Helmut; and Riedel, Gerd, 4,801,068, Cl. 228-174.000.

Peuke, Helmut; Riedel, Gerd; and Steinsdorfer, Lothar, 4,832,254, Cl. 228-174.000.

Riedel, Heimo: *See—*

Dull, Thomas J.; Riedel, Heimo; and Ullrich, Axel, 4,859,609, Cl. 436-501.000.

Riedel International, Inc.: *See—*

Lofgren, Robert W., 4,819,347, Cl. 37-78.000.

Riedel, Josef, to Tox-Dubel-Werk Richard M. Heckhausen GmbH & Co. KG. Straddling plug. 4,861,206, 8-29-89, Cl. 411-36.000.

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Kennel, Gerald R., 4,846,401, Cl. 238-7.000.

Riedel, Raymond R. Door hardware preparation jig. 4,813,826, 3-21-89, Cl. 408-108.000.

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Ries, Donald G., to Nalco Chemical Company. Monomeric, oligomeric and polymeric sulfonates. 4,837,283, 6-6-89, Cl. 525-403.000.

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Riesberg, Van V., Jr.: *See—*
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Riesgo, Armando. Spreader tool for cementitious mix. 4,804,321, 2-14-89, Cl. 425-87.000.
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Busenhart, Peter; Schneeberger, Ruedi; Holbein, Erwin; Wirz, Armin; Flueli, Adolf; and Maier, Hansueli, 4,811,910, Cl. 242-18.00R.
Busenhart, Peter; Oswald, Heinz; and Schneeberger, Ruedi, 4,817,896, Cl. 242-18.0PW.
Demuth, Robert; Hefti, Walter; Keller, Urs; and Hanselmann, Daniel, 4,848,686, Cl. 242-18.0DD.
Fluck, Jakob; and Graf, Felix, 4,805,845, Cl. 242-18.0EW.
Nabulon, Werner, 4,854,019, Cl. 28-255.000.
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Oeggerli, Werner, 4,882,015, Cl. 204-11.000.
Schefer, Kurt, 4,828,190, Cl. 242-18.00A.
Staheli, Paul; Demuth, Robert; and Fritzsche, Peter, 4,854,011. Cl. 19-105.000.
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Riethmann, Hans, Jr.: *See—*
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Riethmann, Max; and Schilling, Herbert, to Georg Fischer Aktiengesellschaft. Process for casting molten metal. 4,832,111, 5-23-89, Cl. 164-457.000.
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Rietsch, Donald R., to Ford Motor Company. Manual transmission gearset brake for synchronized engagement of a sliding gear. 4,889,003, 12-26-89, Cl. 74-339.000.
Rietsch, Eike, to Texaco Inc. Method and apparatus for determining propagation velocities of elastic waves in a borehole. 4,875,197, 10-17-89, Cl. 367-32.000.
Rietsch, Gilbert J., Jr., to Peco Corporation. Auto conveyor with improved roller assembly. 4,864,936, 9-12-89, Cl. 104-172.100.
Rietschel, Wolfgang; Kiel, Reinhard; Kahlert, Wolfgang; and Kuhl-mann, Winfried, to B. Braun Melsungen AG. Vapor sterilizable bioreactor. 4,868,124, 9-19-89, Cl. 435-311.000.
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Rifi, Mahmoud R., to Union Carbide Corporation. Process for reducing odor in isotactic polypropylene. 4,851,499, 7-25-89, Cl. 528-494.00
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Rigal, Jean-Pierre, to Salomon S.A. Apparatus for adapting a conventional template for use in mounting bindings to a monoski. 4,799,6 1-24-89, Cl. 269-2.000.
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Rigby, Geoffrey R., to Broken Hill Proprietary Company Limited. The Production of hardened coal agglomerates. 4,869,727, 9-26-89, C 44-16.00D.
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Rigby, William R., to Westvaco Corporation. Auto lock display tr 4,832,199, 5-23-89, Cl. 206-485.000.
Rigby, William R., to Westvaco Corporation. Ovenable carton wi handles. 4,836,438, 6-6-89, Cl. 229-52.00B.
Rigby, William R.; Furneaux, Robin C.; and Thomas, Anthony T., t Alcan International Limited. Anodic aluminium oxide membran 4,889,631, 12-26-89, Cl. 210-493.100.
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Riggi, Michael S. Shoulder strap retainer. 4,811,876, 3-14-89, C 224-264.000.
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Riggs, Arthur D., to Genentech, Inc. Somatostatin peptide compo 4,812,554, 3-14-89, Cl. 530-311.000.
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Riggs, Eugene W. Trailer hitch alignment device. 4,856,200, 8-15-8 Cl. 33-264.000.
Riggs, James J., to Aro Corporation, The. Bit retention and relea mechanism. 4,858,939, 8-22-89, Cl. 279-75.000.
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Righele, Giovanni B.; and Scorzato, Giuseppe, to Risco Brevetti S.p.A. Bagging and apportioning machine for sausages and various bagged products. 4,797,973, 1-17-89, Cl. 17-33.000.
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Righi, Nardino, to Siano, Dante; and Righi, Nardino. Electronic parking time indicator for autovehicles. 4,879,553, 11-7-89, Cl. 340-932.200.
Right Way Golf: *See—*
Kuykendall, Jacob E., 4,795,158, Cl. 273-164.000.
Rightnour, Robert W.: *See—*
Wachob, George D., and Rightnour, Robert W., 4,810,471, Cl. 422-103.000.
Rigidyne Corporation: *See—*
Budy, Gordon D.; and Mc Neil, Kenneth R., 4,862,584, Cl. 29-704.000.
Sampietro, Joseph M.; and Mohajerani, Khosrow, 4,879,617, Cl. 360-106.000.
Volz, Le Roy A.; and Vigil, Daniel R., 4,843,288, Cl. 318-599.000.
Rignall, Michael W., to Sharetree Limited. Oven for the burn-in of integrated circuits. 4,881,591, 11-21-89, Cl. 165-26.000.
Rignon, Maurice; and Malafosse, Jean, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for electroreduction of aliphatic nitro derivatives. 4,830,717, 5-16-89, Cl. 204-74.000.
Rigotti, Victor: *See—*
Levine, Matthew; Cairo, Anthony; Russo, James; Rigotti, Victor; and Clark, Roger, 4,837,731, Cl. 364-145.000.
Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,841,458, Cl. 364-557.000.
Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,864,513, Cl. 364-482.000.
Russo, James; Levine, Michael R.; Rigotti, Victor; and Skogler, Nicholas, 4,829,458, Cl. 364-556.000.
Rigotti, Victor H.: *See—*
Russo, James T.; Rigotti, Victor H.; and Levine, Michael R., 4,829,457, Cl. 364-550.000.
Rigsby, Donald R.; Dehlinger, James R.; and Passmore, David A., to Benteler Industries, Inc. Nipple forming apparatus. 4,798,076, 1-17-89, Cl. 72-352.000.
Rigsby, James G., to Olin Corporation. Ultrapure hydrazine production. 4,804,442, 2-14-89, Cl. 203-12.000.
Rigter, Steven M. Blinds, screens, partitions and doors. 4,825,921, 5-2-89, Cl. 160-23.100.
Rigterink, Raymond H.: *See—*
Bisabri-Ershadi, Barat; and Rigterink, Raymond H., 4,868,215, Cl. 514-594.000.
Riha, Hansjuergen: *See—*
Abbott, David K.; and Riha, Hansjuergen, 4,835,663, Cl. 362-159.000.
Riha, Werner, to Zahnradfabrik Friedrichshafen AG. Grinding disc. 4,854,087, 8-8-89, Cl. 51-209.00R.
Rihmer, Zsuzsanna L.: *See—*
Korosi, Jeno; Lang, Tibor; Andrasi, Ferenc; Berzsenyi, Pal; Botka, Peter; Hamori, Tamas; Horvath, Katalin G.; Borsi, Jozsef; Elekes, Istvan; and Rihmer, Zsuzsanna L., 4,835,152, Cl. 514-220.000.
Riihimaki, Roy; D'Amico, Richard; and Zoll, Karl, to Hu-Friedy Manufacturing Co., Inc. Instrument cassette. 4,854,475, 8-8-89, Cl. 220-337.000.
Riis, Trygve: *See—*
Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,801,573, Cl. 502-302.000.
Eri, Sigrid; Goodwin, James G., Jr.; Marcelin, George; and Riis, Trygve, 4,880,763, Cl. 502-302.000.
Riisgaard, Steen: *See—*
Enomoto, Michiyo; and Riisgaard, Steen, 4,876,024, Cl. 252-174.120.
Rijckaert, Alvert M. A.; and Van Der Kop, Joannes A. E., to U.S. Philips Corp. Magnetic-tape apparatus, having means for optimizing tape speed. 4,816,927, 3-28-89, Cl. 360-10.200.
Rijckaert, Josephus F.: *See—*
Sanders, Rudolf; and Rijckaert, Josephus F., 4,823,049, Cl. 313-623.000.
Rijksuniversiteit Leiden: *See—*
Louw, Robert, 4,851,600, Cl. 585-240.000.
Rijksuniversiteit te Groningen: *See—*
Konings, Willem N.; and van Boven, Aart, 4,888,284, Cl. 435-183.000.
Rijnders, Willem, to Hunter Douglas International N.V. Ceiling panel carrier adapter member. 4,884,383, 12-5-89, Cl. 52-489.000.
Rijnsburger, Johan M.: *See—*
Op De Beek, Franciscus J.; Rijnsburger, Johan M.; van Nieuwland, Jacob M.; and Kemna, Johannes W., 4,845,758, Cl. 381-98.000.
Rijnstaal B.V.: *See—*
Dackus, Arnold J. G.; and Brasser, Cornelis G. J., 4,811,889, Cl. 228-148.000.
Rijpers, Johannes C. N.; and De Vrieze, Henricus M., to U.S. Philips Corporation. Low reflectance display device. 4,798,994, 1-17-89, Cl. 313-478.000.
Rijswijck, Willem V. Air heated oven and heating method. 4,865,864, 9-12-89, Cl. 426-520.000.
Rikagaku Kenkyujyo: *See—*
Uda, Masayuki; Tomioka, Yukio; Kouno, Chikara; Ishida, Hiroshi; and Yamauchi, Yukio, 4,823,368, Cl. 250-372.000.
Rikagaku Kenkyusho: *See—*
Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.
Rikagaku Kenkyusko: *See—*
Harada, Yutaka; Goto, Eiichi; Kawabe, Ushio; Miyamoto, Nobuo; Nakane, Hideaki; and Hatano, Mutsuko, 4,866,373, Cl. 324-127.000.
Riken EMC Co., Ltd.: *See—*
Noda, Kennichi, 4,795,941, Cl. 313-479.000.
Riker Laboratories, Inc.: *See—*
Bronn, William R., 4,824,953, Cl. 546-221.000.
Jinks, Philip A., 4,810,488, Cl. 424-45.000.
Jinks, Philip A.; Bell, Alexander; and Fischer, Franz X., 4,814,161, Cl. 424-45.000.
Kirk, William F.; Wass, Anthony C. L.; Baum, Eric A.; Tansey, Ian P.; and Meredith, William G., 4,860,740, Cl. 128-203.150.
Kvam, Donald C., 4,824,866, Cl. 514-601.000.
Riker, Paul J.: *See—*
Christenson, Philip A.; Drake, Brian; and Riker, Paul J., 4,880,775, Cl. 512-12.000.
Riker, Rudolf, to Messrs. Stetter GmbH. Arrangement for concrete production in tunnels. 4,795,264, 1-3-89, Cl. 366-18.000.
Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, to Sakai Chemical Industry Co., Ltd.; Mitsubishi Jukogyo Kabushiki Kaisha; Mitsubishi Petrochemical Co., Ltd.; Mitsubishi Petrochemical Engineering Co., Ltd.; and Catalysts & Chemicals Industries Co., Ltd. Catalyst and a method for denitrizing nitrogen oxides contained in waste gases. 4,859,439, 8-22-89, Cl. 423-239.000.
Rikimaru, Hiroaki: *See—*
Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
Rikio Co., Ltd.: *See—*
Okayasu, Kenji, 4,811,501, Cl. 36-94.000.
Rikken, Johannes M. G.: *See—*
Jacobs, Johannes W. M.; and Rikken, Johannes M. G., 4,853,320, Cl. 430-413.000.
Rikli, Christian, to Von Roll Transportsysteme AG. Overhead cable transport installation containing a transfer section equipped with a clock conveyor. 4,843,968, 7-4-89, Cl. 104-27.000.
Riku, Juichi: *See—*
Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.
Rikuna, Kenji, to Casio Computer Co., Ltd. Technique for authenticating IC card and terminal. 4,827,113, 5-2-89, Cl. 235-432.000.
Rikuna, Kenji: *See—*
Hara, Kazuya; and Rikuna, Kenji, 4,795,895, Cl. 235-492.000.
Hara, Kazuya; and Rikuna, Kenji, 4,889,980, Cl. 235-488.000.
Rilett, John W. Fluid containers. 4,854,343, 8-8-89, Cl. 137-543.190.
Riley, Brian, to Combustion Engineering, Inc. Process of forming conductive oxide layers in solid oxide fuel cells. 4,799,936, 1-24-89, Cl. 29-623.100.
Riley, Brian: *See—*
Green, Alan; and Riley, Brian, 4,863,786, Cl. 428-234.000.
Riley, Bryan R. Universal alignment fixture. 4,860,439, 8-29-89, Cl. 29-741.000.
Riley, Bryan R.: *See—*
Reid, Steven J.; Weiss, Lewis R.; and Riley, Bryan R., 4,869,636, Cl. 414-331.000.
Riley, David C., to Spectra-Physics, Inc. Two-piece laser cathode assembly. 4,807,243, 2-21-89, Cl. 372-87.000.
Riley, David C., to Spectra-Physics, Inc. Capillary bore tube support structure. 4,823,356, 4-18-89, Cl. 372-65.000.
Riley, Dennis P.; and Rivers, Willie J., Jr., to Monsanto Company. Process for producing N-phosphonomethylglycine. 4,853,159, 8-1-89, Cl. 562-17.000.
Riley, Dennis P.: *See—*
Getman, Daniel P.; Periana, Roy A.; and Riley, Dennis P., 4,879,398, Cl. 556-413.000.
Grabiak, Raymond C.; and Riley, Dennis P., 4,851,131, Cl. 210-763.000.
Riley, Dennis S.; and Riley, Jo F. Four player backgammon. 4,854,593, 8-8-89, Cl. 273-248.000.
Riley, Donald E.: *See—*
Kruse, James W.; Riley, Donald E.; and Windle, W. Eric, 4,845,465, Cl. 340-468.000.

Riley, Gilbert N.; Holodnak, Richard S.; and Malin, Richard A., to Pitney Bowes Inc. Removable postage meter having an indicia cover. 4,876,956, 10-31-89, Cl. 101-91.000.

Riley, James W., II. Apparatus for measuring knee laxity. 4,799,497, 1-24-89, Cl. 128-774.000.

Riley, Jo F.: *See—*

Riley, Dennis S.; and Riley, Jo F., 4,854,593, Cl. 273-248.000.

Riley, Joe A., to Mycogen Corporation. Biological control of wild poinsettia and other weedy spurges with a fungal pathogen. 4,871,386, 10-3-89, Cl. 71-79.000.

Riley, John M.: *See—*

Dussinger, Thomas E.; Riley, John M.; and Kosarko, Gerald J., 4,887,176, Cl. 360-105.000.

Riley, Jon D. Collapsible safety attachment for ladder. 4,860,855, 8-29-89, Cl. 182-106.000.

Riley, Joseph L., to Corbett, Scott S.; and Clark, Clinton B. Extensible rail car. 4,825,778, 5-2-89, Cl. 105-393.000.

Riley, Keith. Clamps. 4,799,639, 1-24-89, Cl. 248-228.000.

Riley, Larry D.; and Heidtmann, Denis L., to Tektronix, Inc. Imaging charge-coupled device having an all parallel output. 4,803,531, 2-7-89, Cl. 357-24.000.

Riley, Leonard; and Young, Lister, to Cooper Industries, Inc. Cable connector. 4,814,547, 3-21-89, Cl. 174-65.0SS.

Riley, Martin O., to Recreational Components, Inc. Rain deflector for motor home utility door. 4,810,025, 3-7-89, Cl. 296-146.000.

Riley, Martin O. Portable bed stiffener. 4,862,537, 9-5-89, Cl. 5-446.000.

Riley, Michael F.: *See—*

Maddever, Wayne J.; Riley, Michael F.; and Selines, Ronald J., 4,796,277, Cl. 373-72.000.

Riley, Michael O.: *See—*

Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyon, Richard E.; Campbell, John H.; Jessop, Edward S.; and Murray, James E., 4,849,036, Cl. 156-99.000.

Riley, Paul E.; Kulkarni, Vivek D.; and Castel, Egil D., to National Semiconductor Corporation. Etch back detection. 4,839,311, 6-13-89, Cl. 437-228.000.

Riley, Paul H., to Rolls-Royce PLC. Rated temperature protection for turbine engine. 4,835,654, 5-30-89, Cl. 361-103.000.

Riley, Peter S.: *See—*

Bishop, Chester O., Jr.; Dennis, Malcolm I.; Riley, Peter S.; Richardson, Christopher C.; and Shaw, Vincent P., 4,853,678, Cl. 340-573.000.

Riley, Prince I., to R. R. Donnelley & Sons Co. Method of monitoring mail delivery. 4,796,180, 1-3-89, Cl. 364-400.000.

Riley, Ray J.: *See—*

Ethington, Don; Riley, Ray J.; and Tock, Richard W., 4,834,853, Cl. 204-168.000.

Riley, Richard E.; and Brown, Kenneth, to Hamilton Standard Controls, Inc. Fuel level sensor with buried conductor. 4,827,769, 5-9-89, Cl. 73-313.000.

Riley, Robert E. Logic interchange system. 4,808,994, 2-28-89, Cl. 340-825.570.

Riley, Robert E.; and Naravan, Thirumurti, to BASF Corporation. Isocyanate terminated quasi-prepolymers useful for preparing polyurethane/polyisocyanurate foams having low thermal conductivity. 4,888,365, 12-19-89, Cl. 521-157.000.

Riley, Thomas J. Pest repellent articles. 4,804,142, 2-14-89, Cl. 239-56.000.

Riley, Thomas N., to Pneumo Abex Corporation. Center mounted and center drive helical spline actuator. 4,838,104, 6-13-89, Cl. 74-99.00R.

Riley, Timothy W.: *See—*

Blair, James R.; and Riley, Timothy W., 4,809,794, Cl. 177-139.000.

Riley, William M., to Mather Seal Company. Dust excluder for vehicle air conditioning compressor seal assembly. 4,861,045, 8-29-89, Cl. 277-25.000.

Rilin Investments Pty. Limited: *See—*

Perini, Richard; and Costigan, Terry, 4,805,287, Cl. 29-407.000.

Riling, Ronald W.: *See—*

Fero, Arnold H.; Potochnik, Lawrence M.; Riling, Ronald W.; and Semethy, Kenneth F., 4,876,058, Cl. 376-247.000.

Rilk, Albrecht: *See—*

Egle, Wilhelm; Ottensmeyer, F. Peter; and Rilk, Albrecht, 4,812,652, Cl. 250-311.000.

Rilling, Kenneth. Multipath reduction system. 4,797,950, 1-10-89, Cl. 455-276.000.

Rillings, James H.: *See—*

Karmel, Amir; Loo, David K.; and Rillings, James H., 4,829,434, Cl. 364-424.100.

Rilly, Gerard; and Jeanneteau, Laurent, to Thomson Electromenager S.A. Inverter to feed a load having an inductive component. 4,847,746, 7-11-89, Cl. 363-132.000.

Rilly, Gerard; and Rodriguez, Jose, to Deutsche Thomson-Brandt GmbH. Switched mode power supply with start-up control. 4,864,485, 9-5-89, Cl. 363-49.000.

Rilly, Gerard; and Rodriguez, Jose-Ignacio, to Deutsche Thomson-Brandt GmbH. Switching power supply having an emergency mode regulating voltage on the primary side. 4,876,636, 10-24-89, Cl. 363-21.000.

Rimai, Jozsef: *See—*

Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, 4,861,888, Cl. 546-150.000.

Rimawi, Isam: *See—*

Klass, Jeffrey M.; Reed, Paul A.; and Rimawi, Isam, 4,818,900, Cl. 307-450.000.

Rimay, Bela: *See—*

Antal, Kalman; Ugrosdy, Laszlo ; and Rimay, Bela, 4,861,302, Cl. 445-38.000.

Rimbault, Christian G., to Zyma SA. Naphthothiophene derivatives and their use as respiratory enhancing agents. 4,797,414, 1-10-89, Cl. 514-443.000.

Rimbault, Christian G., to Zyma SA. Pharmaceutical preparations containing flavanone or thioflavanone derivatives the use thereof novel flavanones and thioflavanones, and processes for their manufacture. 4,885,298, 12-5-89, Cl. 514-253.000.

Rimer, Virginia G.: *See—*

Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., 4,795,542, Cl. 204-403.000.

Rimland, Bernard. Disposable hand grip for use with plastic bag loop handles. 4,796,940, 1-10-89, Cl. 294-171.000.

Rimlinger, Gary M.: *See—*

Morris, Rick; Moseley, Douglas D.; Rimlinger, Gary M.; and Soldat, Thomas L., 4,865,162, Cl. 188-72.800.

Rimmer, James. Beverage cooler. 4,798,063, 1-17-89, Cl. 62-457.000.

Rimmer, James R.; and Sweeney, Ronald M., to Premier Brands U.K. Limited. Production of tea and the like bags. 4,796,409, 1-10-89, Cl. 53-438.000.

Rimmer, James R.; and Sweeney, Ronald M., to Premier Brands U.K. Limited. Production of tea and the like bags. 4,854,816, 8-8-89, Cl. 414-790.300.

Rimoldi S.r.l.: *See—*

Fietta, Emilio; Maggi, Ezio; and Marchesi, Franco, 4,867,083, Cl. 112-168.000.

Rimpi, Pertti, to Oy Tampella AB. Process for cooking and bleaching pulp. 4,799,994, 1-24-89, Cl. 162-29.000.

Rimsa, Stephen B.: *See—*

Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., 4,814,419, Cl. 528-174.000.

Cotter, Robert J.; Rimsa, Stephen B.; and Barclay, Robert, Jr., 4,816,505, Cl. 524-445.000.

Cotter, Robert J.; Rimsa, Stephen B.; Barclay, Robert, Jr.; Kwiatkowski, George T.; and Harris, James E., 4,849,503, Cl. 528-171.000.

Rimshyalis, Klemensas K.: *See—*

Fedaravichjus, Algimantas Y.; Kazla, Algis A.; Rimshyalis, Klemensas K.; and Ragulskis, Kazimeras M., 4,841,629, Cl. 29-737.000.

Rinaldi, Anthony W.: *See—*

Linkow, Leonard I.; and Rinaldi, Anthony W., 4,842,518, Cl. 433-174.000.

Rinaldi, Athos: *See—*

Novelli, Giovanni; Rinaldi, Athos; and Rossi, Andrea, 4,867,22 Cl. 164-525.000.

Rinaldi, Mark A.: *See—*

Nuechterlein, David W.; and Rinaldi, Mark A., 4,876,644, Cl. 364-200.000.

Rinaldi, Rinaldo, to Riri Italia, S.p.A. Modular pavilion. 4,841,68 6-27-89, Cl. 52-63.000.

Rinchuse, Daniel J.: *See—*

Guarlotti, Clement A.; Rinchuse, Daniel J.; and Rinchuse, Donald J., 4,848,365, Cl. 128-859.000.

Rinchuse, Donald J.: *See—*

Guarlotti, Clement A.; Rinchuse, Daniel J.; and Rinchuse, Donald J., 4,848,365, Cl. 128-859.000.

Rindal, Roald A.: *See—*

McKee, Bobby D.; Rindal, Roald A.; and Condit, William C., Jr. 4,864,911, Cl. 89-8.000.

Rinderknecht, Ernst H.: *See—*

Gray, Patrick W.; and Rinderknecht, Ernst H., 4,855,238, Cl. 435-243.000.

Rinderle, Heinz, to Telefunken electronic GmbH. Amplifier. 4,845,44 7-4-89, Cl. 330-306.000.

Rinderle, Heniz, to Telefunken electronic GmbH. Radio receiver. 4,817,198, 3-28-89, Cl. 455-249.000.

Rindfleisch, J. A.: *See—*

Olson, A. L.; Batcheller, Tom A.; Rindfleisch, J. A.; and Morgan, John M., 4,881,574, Cl. 137-624.130.

Rindfleisch, Karl H.: *See—*

Bayerlein, Friedrich K.; Leuerer, Dietrich R. K.; and Rindfleisch, Karl H., 4,812,842, Cl. 340-825.720.

Rindfuss, Diane J. Arrangement for recording and indexing information. 4,841,387, 6-20-89, Cl. 360-72.100.

Rindoks, Kurt: *See—*

Poblete, Rudolph G.; Rindoks, Kurt; and Frederick, James R. 4,856,420, Cl. 98-115.300.

Rindone, Louis, Sr.: *See—*

Erickson, George; and Rindone, Louis, Sr., 4,830,622, Cl. 439-70.000.

Rindt, John R.: *See—*

Knudson, Curtis L.; Rindt, John R.; and Farnum, Sylvia A. 4,846,963, Cl. 208-408.000.

Rindt, Petrus P. M., to N.V. Verenigde Instrumentenfabrieken Enraf Nonius. Apparatus for treating a patient with ultrasonic waves. 4,823,775, 4-25-89, Cl. 128-24.00A.

Rine, James C. Method of mounting stones in disc or attrition mills. 4,841,623, 6-27-89, Cl. 29-525.100.

Rinehart, Homer L. Outdoor grill with extractable food supporting rack. 4,840,118, 6-20-89, Cl. 99-446.000.

Rinehart, John J.: *See—*

Leung, Kam H.; and Rinehart, John J., 4,849,329, Cl. 435-2.00

Rinehart, Kenneth L.: *See—*

Gunasekera, Sarath P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, 4,866,084, Cl. 514-397.000.

Wilson, George R.; and Rinehart, Kenneth L., 4,847,246, Cl. 514-175.000.

Rinehart, Verne R., to Goodyear Tire & Rubber Company, The. Solid state polymerization of polyester prepolymers. 4,876,326, 10-24-89, Cl. 528-272.000.

Ring, David B.: *See—*

Linsley, Peter S.; Ochs, Vincent W.; Horn, Diane; Brown, Joseph P.; Ring, David B.; and Frankel, Arthur E., 4,803,169, Cl. 435-7.000.

Ring, Frank R., Jr.: *See—*

Bibby, Kenneth; and Ring, Frank R., Jr., 4,834,211, Cl. 181-135.000.

Ring, H. Kenneth: *See—*

Eber, David H.; and Ring, H. Kenneth, 4,884,590, Cl. 137-1.000.

Ring, James W.: *See—*

Finsterwald, Phillip M.; Howlett, Charles W.; and Ring, James W., 4,802,458, Cl. 128-661.080.

Ring, Klaus: *See—*

Heckmann, Klaus; Manecke, Georg; Pfannenmuller, Beate; Ring, Klaus; and Ringsdorf, Helmut, 4,873,033, Cl. 264-41.000.

Ring, Manfred; Weber, Jurgen; and Ackermann, Helmut, to Georg Fischer Aktiengesellschaft. Method and apparatus for the optical electronic measurement of a workpiece. 4,854,707, 8-8-89, Cl. 356-356.000.

Ring & Pinion Sales, Inc.: *See—*

Ludwig, David A., 4,848,939, Cl. 384-626.000.

Ring, Thomas J.: *See—*

Alsip, Allen W.; Robinson, James N.; and Bossert, Clayton E., 4,852,193, Cl. 5-61.000.

Alsip, Allen W.; Bossert, Clayton E.; and LaVelle, Richard E., 4,856,128, Cl. 5-61.000.

Robinson, James N.; Wood, Gary L.; Morrey, Kevin P.; and Bossert, Clayton E., 4,866,796, Cl. 5-62.000.

Ringdahl, Ulf; and Mattei, Vittorio, to Tetra Dev-Co. Aseptic filling unit for packing machines for long-lasting products with fluid behavior. 4,874,021, 10-17-89, Cl. 141-85.000.

Ringden, Diane: *See—*

Anaebonam, Aloysius; Clemente, Emmett; Devlin, Theresa; and Ringden, Diane, 4,853,416 Cl. 514-636.000.

Ringel, Helmut; Frommelt, Wolfgang; Hein, Kurt; and Messler, Martin, to Kernforschungsanlage Julich Gesellschaft mit beschrankter Haftung. Process and installation for the adsorptive separation of krypton from a krypton nitrogen gas mixture. 4,816,041, 3-28-89, Cl. 55-62.000.

Ringel, Konrad; and Rudolf, Karl, to Diehl GmbH & Co. Housing for joinable cutting charges. 4,815,384, 3-28-89, Cl. 102-307.000.

Ringer, T. Rayman: *See—*

White, Jeffrey A.; Tolledi, Bruno; Ringer, T. Rayman; and Arkuszewski, Andrzej, 4,842,018, Cl. 137-614.110.

Ringesten, Bjorn. Process for reinforcing soil structure. 4,832,533, 5-23-89, Cl. 405-233.000.

Ringgenberg, Paul D., to Halliburton Company. Apparatus for retaining axial mandrel movement relative to a cylindrical housing. 4,817,723, 4-4-89, Cl. 166-321.000.

Ringgenberg, Paul D.; and Barrington, Burchus O., to Halliburton Company. Surface read-out tester valve and probe. 4,848,463, 7-18-89, Cl. 166-250.000.

Ringger, Hans R.: *See—*

Anthony, William M.; and Ringger, Hans R., 4,828,422, Cl. 403-24.000.

Ringger, Manfred: *See—*

Hauser, Karl-Heinz; Heissel, Uwe; Inauen, Walter; Neff, Karl; and Ringger, Manfred, 4,887,477, Cl. 74-89.170.

Ringle, Richard P.: *See—*

Larson, Richard L.; and Ringle, Richard P., 4,816,187, Cl. 252-639.000.

Ringle, Scott J.: *See—*

Fitzharris, William D.; Ringle, Scott J.; and Nicholes, Kathy S., 4,859,310, Cl. 208-87.000.

Ringle, Terrance W.: *See—*

Beck, James L.; Doyle, Marguerite H.; Early, Roger W.; Ringle, Terrance W.; and Smith, David R., 4,799,811, Cl. 400-279.000.

Ringler, Michael. Concrete curb form hanger. 4,836,487, 6-6-89, Cl. 248-303.000.

Ringo, Arthur. Tire casing spreader. 4,848,731, 7-18-89, Cl. 254-50.100.

Ringo, Steven M.: *See—*

Kaplan, Robert H.; LaCava, Alberto; Shirley, Arthur I.; and Ringo, Steven M., 4,853,004, Cl. 55-25.000.

Ringsdorf, Helmut: *See—*

Heckmann, Klaus; Manecke, Georg; Pfannenmuller, Beate; Ring, Klaus; and Ringsdorf, Helmut, 4,873,033, Cl. 264-41.000.

Kreuder, Willi; Neumann, Peter; Etzbach, Karl-Heinz; Sterzel, Hans-Josef; and Ringsdorf, Helmut, 4,865,762, Cl. 252-299.010.

Ringsdorff-Werke GmbH: *See—*

Donch, Jurgen; Schelb, Bernhard; and Zimmermann, Wolfgang, 4,851,189, Cl. 419-28.000.

Hutsch, Bruno; and Vesper, Wolfgang, 4,849,086, Cl. 204-294.000.

Ringspann Albrecht Maurer KG: *See—*

Maurer, Reprecht; and Timtner, Karlheinz, 4,838,829, Cl. 464-38.000.

Maurer, Ruprecht; and Timtner, Karlheinz, 4,798,559, Cl. 464-38.000.

Maurer, Ruprecht; Timtner, Karlheinz; and Reig, Frank, 4,809,557, Cl. 73-862.320.

Maurer, Ruprecht; and Timtner, Karlheinz, 4,856,411, Cl. 91-1.000.

Ringwood, Albert E.: *See—*

Ramm, Eric J.; and Ringwood, Albert E., 4,834,917, Cl. 252-633.000.

Ringwood, Alfred E. Diamond compacts and process for making same. 4,874,398, 10-17-89, Cl. 51-293.000.

Ringwood, Alfred E.: *See—*

Ramm, Eric J.; Bukyx, Wilhelmus J.; Padgett, John G.; and Ringwood, Alfred E., 4,806,098, Cl. 432-215.000.

Ramm, Eric J.; Bukyx, Wilhelmus J.; Padgett, John G.; and Ringwood, Alfred E., 4,808,337, Cl. 252-628.000.

Rinholen, Robert K., to Amana Refrigeration, Inc. Air conditioner with improved thermostating operation. 4,835,981, 6-6-89, Cl. 62-229.000.

Riniker, Bernhard: *See—*

Fuhrer, Walter; Buhlmayer, Peter; Rasetti, Vittorio; and Riniker, Bernhard, 4,863,903, Cl. 514-17.000.

Rink, Dan; Rink, John; and Lee, Garrett, to Xintec Corporation. Laser heated intravascular cautery cap assembly. 4,848,339, 7-18-89, Cl. 128-303.100.

Rink, Frederick J., Jr., to General Electric Company. Automatic oil draining system for generators. 4,883,995, 11-28-89, Cl. 310-55.000.

Rink, Hans, to Ciba-Geigy Corporation. Synthetic polystyrene resin and its use in solid phase peptide synthesis. 4,859,736, 8-22-89, Cl. 525-54.100.

Rink, Helm A.: *See—*

Press, Irving D.; and Rink, Helm A., 4,819,965, Cl. 285-14.000.

Rink, John: *See—*

Rink, Dan; Rink, John; and Lee, Garrett, 4,848,339, Cl. 128-303.100.

Rink, Norbert: *See—*

Pieper, Christian; Burghartz, Hans K.; Hirsch, Rolf-Burkhard; and Rink, Norbert, 4,804,511, Cl. 264-206.000.

Rinkagaku Kogyo Co., Ltd.: *See—*

Sakon, Ichiro; Sekiguchi, Masao; and Kanayama, Atsushi, 4,879,067, Cl. 252-609.000.

Rinke, Monika; and Guesten, Hans, to Kernforschungszentrum Karlsruhe GmbH. Laser-active aqueous dispersion of a laser dye. 4,853,937, 8-1-89, Cl. 372-53.000.

Rinke, Monika: *See—*

Gusten, Hans; Ache, Hans-Joachim; Rinke, Monika; and Wirth, Hermann O., 4,876,029, Cl. 252-301.170.

Rinke, Richard A. Pop can transport device. 4,889,245, 12-26-89, Cl. 211-49.100.

Rinke, Robert M., to Sure-Step, Inc. Portable swimming pool step device. 4,848,515, 7-18-89, Cl. 182-20.000.

Rinker, Carl G.; Lyren, Robert E.; and Repasky, Ray M., to Thermo-Rite Manufacturing Company. Fireplace enclosure. 4,827,902, 5-9-89, Cl. 126-548.000.

Rinkewich, Isaac. Water distribution device and system including same. 4,838,485, 6-13-89, Cl. 239-70.000.

Rinkewich, Isaac. High-strength panel structure. 4,889,758, 12-26-89, Cl. 428-178.000.

Rinko, Kenneth S. Roll-off solder tip. 4,872,605, 10-10-89, Cl. 228-51.000.

Rinnai Corporation: *See—*

Komura, Masahiko; and Ohno, Masafumi, 4,802,841, Cl. 431-47.000.

Rinne, Albert W.: *See—*

Langer, Alois A.; and Rinne, Albert W., 4,812,724, Cl. 318-599.000.

Rinneburger, Klaus: *See—*

Adamek, Manfred; Rinneburger, Klaus; and Schattmann, Peter, 4,796,121, Cl. 360-78.130.

Rinz, James E.: *See—*

Cesa, Mark C.; Rinz, James E.; and Kopp, Teodora T., 4,868,061, Cl. 526-258.000.

Rio-Flex Corp.: *See—*

VanDerHoeven, Martin, 4,848,740, Cl. 272-134.000.

Rio, Francois: *See—*

Roze, Danielle; Coirre, Marie-Monique; Rio, Francois; and Bernstein, Pierre, 4,868,010, Cl. 427-130.000.

Rio Grande-Albuquerque, Inc.: *See—*

Wellington, Robert; and Bell, Louis, 4,825,741, Cl. 83-748.000.

Rio Linda Chemical Company, Inc.: *See—*

Mason, John Y.; Hicks, Bruce W.; and English, Donald C., 4,889,654, Cl. 252-100.000.

Rio, Michel; Iltis, Claude; Louis, Herve; Buffet, Georges; Joly, Marcel; Goudard, Jean-Francois; Bacherot, Joel; and Ducret, Claude, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Filtering structure for a vent device and device including said structure. 4,853,013, 8-1-89, Cl. 55-159.000.

Rioch Company, Limited: *See—*

Shimada, Kazuyuki, 4,796,095, Cl. 358-285.000.

Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John E., to Aluminum Company of America. Aluminum-lithium alloys. 4,832,910, 5-23-89, Cl. 420-528.000.

Rioja, Roberto J.; Colvin, Edward L.; Vasudevan, Asuri K.; and Cheney, Brian A., to Aluminum Company of America. Aluminum alloy two-step aging method and article. 4,861,391, 8-29-89, Cl. 148-12.70A.

Rioja, Roberto J.; Bretz, Philip E.; and Jacoby, John, to Aluminum Company of America. Aluminum-lithium alloys with hafnium. 4,869,870, 9-26-89, Cl. 420-532.000.

Riolfo, Benedetto, to Cselt - Centro Studi E Laboratori Telecomunicazioni Spa. Circuit for computing the quantized coefficient discrete

- cosine transform of digital signal sampies. 4,849,922, 7-18-89, Cl. 364-725.000.
- Riollet, Gilbert: *See—*
  - Bourcier, Pierre; and Riollet, Gilbert, 4,840,539, Cl. 416-191.000.
- Riom Laboratories C.E.R.M.: *See—*
  - Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,820,702, Cl. 514-212.000.
  - Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,822,792, Cl. 514-212.000.
  - Combourieu, Michel; Simbille, Nadine; Landes, Marie-Paule; and Bernet, Yvon, 4,803,219, Cl. 514-469.000.
- Riordan, Dennis E. Roll-up alarm screen assembly and shipping container therefor. 4,843,375, 6-27-89, Cl. 340-550.000.
- Riordan, Dennis E. Art alarm backing for protecting a work of art. 4,857,892, 8-15-89, Cl. 340-568.000.
- Riordan, Edward D.; and Warner, Allan, to Joyal Products, Inc. Electrical terminals, terminating methods and assemblies. 4,849,596, 7-18-89, Cl. 219-56.220.
- Riordan, John C.; and Pearlman, Jay S., to Maxwell Laboratories Inc. Filter apparatus for use with an x-ray source. 4,837,794, 6-6-89, Cl. 378-119.000.
- Riordan, Roger H. S.: *See—*
  - La Salle, Roger J.; and Riordan, Roger H. S., 4,862,491, Cl. 379-6.000.
- Riordan, Thomas J.: *See—*
  - Hansen, Craig C.; and Riordan, Thomas J., 4,814,976, Cl. 364-200.000.
- Rios, Jess, to Tekmate Industries Inc. Portable security monitor and time recording. 4,797,663, 1-10-89, Cl. 340-691.000.
- Riotte, Jean P.: *See—*
  - Belbel, Elie; Fechant, Louis; Vergez, Andre; and Riotte, Jean P., 4,816,958, Cl. 361-93.000.
- Riotte, Jean-Paul: *See—*
  - Belbel, Elie; Boucheron, Thierry; Lauraire, Michel; and Riotte, Jean-Paul, 4,888,661, Cl. 361-102.000.
- Riou, Claude R.; and Gidon, Georges M., to Societe Anonyme: Aussedat-Rey. Recording sheet for ink-jet printing and process for its preparation. 4,877,686, 10-31-89, Cl. 428-514.000.
- Riout, Roland. Profiled wing for controlled deformation and application thereof to beating wing aircraft. 4,863,117, 9-5-89, Cl. 244-48.000.
- Rioux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, to Centre National de la Recherche Scientifique. Polyphase variable reluctance motor. 4,864,169, 9-5-89, Cl. 310-12.000.
- Rioux, Philippe F.: *See—*
  - Roy, Bernard J. J.; O'Connor, Lorne D.; Rioux, Philippe F.; Dingle, Donald A.; and Raymond, Andre L., 4,876,597, Cl. 358-141.000.
- Rioux, Phillipe F.: *See—*
  - Roy, Bernard J. J.; O'Connor, Lorne D.; Rioux, Phillipe F.; Dingle, Donald A.; and Raymond, Andre L., 4,843,462, Cl. 358-108.000.
- Ripamonti, Giuseppe: *See—*
  - Rizzardi, Napoleone; and Ripamonti, Giuseppe, 4,804,114, Cl. 222-148.000.
- Ripatonda, Gilberto. Perfected unit for the preparation of a portion of fried food, and for the immediate distribution of this food. 4,821,633, 4-18-89, Cl. 99-357.000.
- Ripberger, Emil; and Wieland, Hanspeter, to Mahle GmbH. Process for the production of a cast piston upper part of a two-part piston. 4,843,698, 7-4-89, Cl. 29-156.50R.
- Ripberger, Emil, to Mahle GmbH. Low-height articulated piston with skirt-overhanging guide portions on head. 4,843,952, 7-4-89, Cl. 92-190.000.
- Ripert, Victor L., to Automatisme et Robotique Appliques -A.R.A. Clamp for fitting to a conveyor of an automatic cabling machine and intended to hold one or more electrically conductive wires. 4,877,228, 10-31-89, Cl. 269-156.000.
- Ripingill, Allen E., Jr.: *See—*
  - Pauley, James D.; and Ripingill, Allen E., Jr., 4,885,571, Cl. 340-573.000.
- Ripka, Chester D.: *See—*
  - Bentley, Richard M.; Ripka, Chester D.; and Keller, Henry F., 4,807,588, Cl. 126-110.00R.
  - Boot, Jay L.; Ripka, Chester D.; and Shapiro, Ian M., 4,880,157, Cl. 236-25.00R.
- Ripka, William C.; and Sipio, William J., to Du Pont de Nemours, E. I., and Company. Substituted acenaphthenes and their use as inhibitors of phospholipase A_2. 4,806,671, 2-21-89, Cl. 558-411.000.
- Ripka, William C.; and Sipio, William J., to Du Pont de Nemours, E. I., and Company. Substituted acenaphthenes and their use as inhibitors of phospholipase A2. 4,859,697, 8-22-89, Cl. 514-438.000.
- Ripley, Gerald D.: *See—*
  - Astle, Brian; and Ripley, Gerald D., 4,827,344, Cl. 358-183.000.
- Ripley, James A.; and McDonough, Robert E. Pipe supporting dam assembly for pipeline construction and method. 4,844,657, 7-4-89, Cl. 405-154.000.
- Ripley, John A.: *See—*
  - Konno, Mark A.; and Ripley, John A., 4,858,618, Cl. 128-7.300.
- Ripley, Richard E., to Textron, Inc. Expansible watch band end connector. 4,805,271, 2-21-89, Cl. 24-265.0WS.
- Ripoll, Jean P.: *See—*
  - Quash, Gerard A.; Rodwell, John D.; McKearn, Thomas J.; and Ripoll, Jean P., 4,853,326, Cl. 435-5.000.
- Rippe, Mary R. Locking system for the doors of automotive vehicles. 4,848,114, 7-18-89, Cl. 70-263.000.
- Rippel, Robert: *See—*
  - Lang, Hans-Jochen; Rippel, Robert; Herling, Andreas W.; and Weidmann, Klaus, 4,845,118, Cl. 514-338.000.
  - Lang, Hans-Jochen; Rosner, Manfred; Weidmann, Klaus; Rippel, Robert; and Herling, Andreas W., 4,871,734, Cl. 514-212.000.
- Rippel, Wally E.; and Edwards, Dean B. Positive paste with lead-coated glass fibers. 4,873,161, 10-10-89, Cl. 429-225.000.
- Rippel, Wally E., to California Institute of Technology. Monolithic transistor gate energy recovery system. 4,873,460, 10-10-89, Cl. 307-571.000.
- Rippel, Wally E. Woven-grid sealed quasi-bipolar lead-acid battery construction and fabricating method. 4,874,681, 10-17-89, Cl. 429-210.000.
- Rippel, Wally E., to California Institute of Technology. Forced air heat sink apparatus. 4,884,631, 12-5-89, Cl. 165-185.000.
- Rippelton, N.V.: *See—*
  - Bruner, Hasse; and Persson, Lars I., 4,845,931, Cl. 56-208.000.
- Ripper, Jonathan H.: *See—*
  - Bowman, Kenneth A.; Maslin, Roger F.; Godden, David; and Ripper, Jonathan H., 4,831,926, Cl. 101-138.000.
- Rippey, Scott R.; and Won, Chongsoo, to Westinghouse Electric Corp. Integrated circuit socket. 4,811,167, 3-7-89, Cl. 361-392.000.
- Rippingale, John B., to Schonstedt Instrument Company. Magnetic locating and tracing system and method using dual-antenna transmitter to distinguish between concealed adjacent objects. 4,818,9 4-4-89, Cl. 324-326.000.
- Rippinger, Fernand: *See—*
  - Schneider, Georg; Freudig, Gunter; Rippinger, Fernand; and Braun, Hans, 4,817,014, Cl. 364-728.030.
- Rippl, Carl G.: *See—*
  - Hansen, Richard E.; Rippl, Carl G.; Midkiff, David G.; and Neuwirth, Joseph G., 4,865,855, Cl. 426-124.000.
- Riquart, Christian: *See—*
  - Levrai, Roland; Picot, Pascal; and Riquart, Christian, 4,798,127, Cl. 91-530.000.
- Riquet, Jean-Pierre: *See—*
  - Conti, Calogero; Meyer, Jean-Luc; Netter, Pierre; and Riquet, Jean-Pierre, 4,837,385, Cl. 210-695.000.
  - Vives, Charles; Forest, Bernard; and Riquet, Jean-Pierre, 4,87 Cl. 164-466.000.
- Riri Italia, S.p.A.: *See—*
  - Rinaldi, Rinaldo, 4,841,688, Cl. 52-63.000.
- Ririe, Max; Albert, Devon; and Johnson, Lynn F. Method and apparatus for separation using fluidized bed. 4,865,722, 9-12-89, Cl. 209-474.000.
- Rirsch, Eric A.; and Barker, Howard A., to Redland Technology Limited. Cementitious dough or paste comprising at least one hydraulic element and at least one polymer latex. 4,880,467, 11-14-89, Cl. 106-85.000.
- Risberg, Robert L. Semiconductor device. 4,811,072, 3-7-89, Cl. 357-38.000.
- Risch, Alan P.: *See—*
  - Staniulis, Mark T.; Risch, Alan P.; Vassilakis, James G.; and Bec Donald F., 4,867,954, Cl. 423-239.000.
  - Staniulis, Mark T.; and Risch, Alan P., 4,874,590, Cl. 423-239.000.
- Risch, Joel V. Gripping device for boom-mounted work tool. 4,804,3 2-14-89, Cl. 414-704.000.
- Risch, Lothar: *See—*
  - Wieder, Armin; and Risch, Lothar, 4,823,180, Cl. 357-30.000.
- Risch, Tore J. M.: *See—*
  - Reboh, Rene ; and Risch, Tore J. M., 4,866,634, Cl. 364-513.000.
- Rischar, Charles M.: *See—*
  - Stewart, Daniel L.; Immormino, Fredrick R.; Galdun, Daniel J.; and Rischar, Charles M., 4,858,101, Cl. 364-131.000.
- Rischen, Dietmar: *See—*
  - Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, 4,882,976, Cl. 91-376.00R.
- Risco Brevetti S.p.A.: *See—*
  - Righele, Giovanni B.; and Scorzato, Giuseppe, 4,797,971, Cl. 17-33.000.
- Riscoe, Michael K.; Fitchen, John H.; and Ferro, Adolph J., to State of Oregon, acting by and through the Oregon State Board of Higher Education, acting for and on behalf of the Oregon Health Sciences University and Oregon State University. Methylthioribose analogs, their preparation and use as medicinal agents and biocides. 4,82 4-11-89, Cl. 514-23.000.
- Risdon Corporation: *See—*
  - Seager, Richard H., 4,850,516, Cl. 222-390.000.
- Rise, James D.: *See—*
  - Titterington, Donald R.; Anderson, Jeffrey J.; Rise, James D.; and Jaeger, Wayne, 4,889,761, Cl. 428-195.000.
- Rise, Leif. Quick release fasteners. 4,811,469, 3-14-89, Cl. 24-664.000.
- Riseman, Jean M., executrix: *See—*
  - Riseman, John H., deceased; Smith, John J.; d'Entremont, Alice M.; and Goldman, Craig E., 4,800,442, Cl. 358-280.000.
- Riseman, John H., deceased (by Riseman, Jean M., executrix); Smith, John J.; d'Entremont, Alice M.; and Goldman, Craig E., to Canon Kabushiki Kaisha. Apparatus for generating an image from a digital video signal. 4,800,442, 1-24-89, Cl. 358-280.000.
- Riser, Frederick M.: *See—*
  - DiGregorio, David; Biesinger, Mark G.; and Riser, Frederick M., 4,869,818, Cl. 210-194.000.
- Riser, Terry D.: *See—*
  - Riser, William M.; Gray, Edward W.; and Riser, Terry D., 4,827,241, Cl. 338-172.000.

- Riser, William M.; Gray, Edward W.; and Riser, Terry D., to United Technologies Automotive, Inc. Combined, in-line spacer and switch, particularly for a vehicle's headlight. 4,827,241, 5-2-89, Cl. 338-172.000.
- Rishel, James B., to Systecon, Inc. Monitor and control for a multi-pump system. 4,805,118, 2-14-89, Cl. 364-510.000.
- Rishel, John W.; and Schrink, George H., to Delaware Capital Formation, Inc. Vibrating filter apparatus. 4,836,922, 6-6-89, Cl. 210-232.000.
- Rishel, Paul E.: *See—*
  - Kaurich, Michael S.; and Rishel, Paul E., 4,796,915, Cl. 280-802.000.
- Rishel, Rick D.: *See—*
  - Mott, Gerry; Attaar, Mustan; and Rishel, Rick D., 4,854,173, Cl. 73-600.000.
- Risho Kogyo Co., Ltd.: *See—*
  - Tokura, Koichi; and Matsui, Goro, 4,881,149, Cl. 361-328.000.
- Rishworth, Paul L.; and Walse, Alan S., to Molex Incorporated. Double sided edge connector. 4,795,374, 1-3-89, Cl. 439-634.000.
- Risi, Angelo; and Risi, Antonio, to Rothbury Investments Limited. Retaining wall system. 4,815,897, 3-28-89, Cl. 405-284.000.
- Risi, Antonio: *See—*
  - Risi, Angelo; and Risi, Antonio, 4,815,897, Cl. 405-284.000.
- Rising, Rolf C., to Diaphon Development AB. Magnetic attachment apparatus for ear-level microphone. 4,827,524, 5-2-89, Cl. 381-60.000.
- Rising, Rolf C.: *See—*
  - Hotvet, David A.; Woodfill, Ernest L.; and Rising, Rolf C., 4,827,525, Cl. 381-60.000.
- Risitano, Antonio; Rosario, Lanzalame; and Popp, Eugen. Method of and an arrangement for burning a liquid or gaseous fuel in a combustion chamber of an internal combustion engine. 4,884,533, 12-5-89, Cl. 123-25.00C.
- Risk, William P.; and Kino, Gordon S., to Leland Stanford Junior University, The Board of Trustees of the. Acousto-optic fiber-optic frequency shifter using periodic contact with a surface acoustic wave. 4,872,738, 10-10-89, Cl. 350-96.290.
- Riskin, Bernard N., to Telac Corp. Method of and means for accessing computerized data bases utilizing a touch-tone telephone instrument. 4,817,129, 3-28-89, Cl. 379-88.000.
- Riskin, Bernard N., to Fon-Ex Inc. Apparatus for printing of envelopes and pre-packaged mailing inserts located therein. 4,846,594, 7-11-89, Cl. 400-188.000.
- Riskin, Bernard N. Packet network telecommunication system having access nodes with word guessing capability. 4,866,759, 9-12-89, Cl. 379-97.000.
- Rislund, Sten H.: *See—*
  - Hallberg, Bengt O.; and Rislund, Sten H., 4,829,533, Cl. 372-29.000.
- Risman, Per O. G.: *See—*
  - Claesson, Jan S.; Risman, Per O. G.; and Wass, Bo A., 4,816,632, Cl. 219-10.55F.
  - Claesson, Jan S.; and Risman, Per O. G., 4,849,592, Cl. 219-10.55F.
  - Claesson, Jan S.; and Risman, Per O. G., 4,855,554, Cl. 219-10.55F.
  - Kokkeler, Franciscus; Fioroli, Mario; Risman, Per O. G.; Vigano, Liliana; and Idebro, Mats G., 4,841,111, Cl. 219-10.55B.
- Risner, Robert: *See—*
  - Mordini, Joseph; and Risner, Robert, 4,857,970, Cl. 355-113.000.
- Rispeter, Siegfried, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Drive arrangement for connecting a vehicle output shaft to a vehicle axle. 4,883,142, 11-28-89, Cl. 180-245.000.
- Risse, Wilhelm K., to Du Pont de Nemours, E. I., and Company. Process for producing polyarylethers by forming an alkylated intermediate. 4,801,657, 1-31-89, Cl. 525-471.000.
- Rissel, Heinz, to Rheinhold & Mahla GmbH. Building blocks for building shielding walls against radioactive radiation. 4,878,324, 11-7-89, Cl. 52-125.200.
- Risser, Dale M.: *See—*
  - Martin, Eugene G.; Lease, Michael E.; and Risser, Dale M., 4,815,166, Cl. 17-51.000.
- Rissler, Per: *See—*
  - Jonsson, Nils-Ake; and Rissler, Per, 4,813,478, Cl. 165-78.000.
- Rissman, Owen R.; and Tai, Henry T. H., to Tiger Electronics, Inc. Action figure toy with graphics display. 4,802,879, 2-7-89, Cl. 446-175.000.
- Rissman, Owen R.; and Ho Tai, Henry T., to Tiger Electronic Sales, Ltd. Toy vehicle with graphics display. 4,813,907, 3-21-89, Cl. 446-175.000.
- Rist, Andre: *See—*
  - Cordier, Jean; and Rist, Andre, 4,852,995, Cl. 48-197.00R.
- Rist, Bruno A.; and DeVries, Adrian J., to International Telesystems, Inc. Restricted access television transmission system. 4,825,467, 4-25-89, Cl. 380-7.000.
- Rist, Bruno A.; and Casanova, Alberto L., to Telescript Industries, Inc. Electro-optical light beam signal transmission system. 4,882,772, 11-21-89, Cl. 455-617.000.
- Ristedt, Raymond D.; and Zinck, Michael C., to Rogers Corporation. Flexible circuit having termination features and method of making the same. 4,815,990, 3-28-89, Cl. 439-496.000.
- Ristuccia, John, Sr. Index card for index card file. 4,849,056, 7-18-89, Cl. 402-79.000.
- Ristvedt, Mark E.: *See—*
  - Ristvedt, Victor G.; and Ristvedt, Mark E., 4,863,414, Cl. 453-6.000.
- Ristvedt, Victor G.; and Ristvedt, Mark E. Coin sorter. 4,863,414, 9-5-89, Cl. 453-6.000.
- Risucci, Edward J. Leak resistant multiple-compartment frozen food package. 4,817,803, 4-4-89, Cl. 206-602.000.
- Ritchie, Charles E., Jr.: *See—*
  - Alessi, Louis F.; and Ritchie, Charles E., Jr., 4,821,934, Cl. 224-252.000.
- Ritchie, Donald E.: *See—*
  - Buckner, Robert K.; Read, Norman W.; and Ritchie, Donald E., 4,852,654, Cl. 166-277.000.
- Ritchie, Gordon S. In-line electrical switch for AC power supply. 4,803,418, 2-7-89, Cl. 323-324.000.
- Ritchie Industries, Inc.: *See—*
  - Wiseman, Leland G.; and Hertema, Daryl J., 4,856,459, Cl. 119-73.000.
- Ritchie, Timothy D., to Eastman Kodak Company. Print head assembly acceleration control method. 4,827,282, 5-2-89, Cl. 346-1.100.
- Ritchie, Wallace A., to S. C. Yuter, J.S.D. Data transfer regulating system for recording data at a varying recording. 4,829,421, 5-9-89, Cl. 364-200.000.
- Ritchie, Wayne R.: *See—*
  - Benson, Steven B.; and Ritchie, Wayne R., 4,867,402, Cl. 248-206.200.
- Rite-Hite Corporation: *See—*
  - Hahn, Norbert, 4,819,770, Cl. 188-284.000.
  - Trickle, Glen; and Swessel, Michael A., 4,843,373, Cl. 340-540.000.
  - Trickle, Glen, 4,865,507, Cl. 414-401.000.
- Ritger, Philip L.: *See—*
  - Lysaght, Michael J.; Boggs, Daniel R.; and Ritger, Philip L., 4,842,576, Cl. 604-6.000.
- Riti, Gionfranco; and Scampoli, Mario, to Industrie Magneti Marelli S.r.l. Automatic machine for forming induction windings in the rotor slots of dynamo-electric machines. 4,817,256, 4-4-89, Cl. 29-33.00L.
- Ritli, Peter: *See—*
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,803,274, Cl. 546-13.000.
  - Hermecz, Istvan; Kereszturi, Geza; Vasvari, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Meszaros, Zoltan, deceased; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,806,645, Cl. 546-13.000.
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- Ritola, Edward, to Harvey Industries, Inc. Sticker placer apparatus. 4,801,233, 1-31-89, Cl. 414-789.500.
- Ritola, Irvin W. Chain saw safety device. 4,805,308, 2-21-89, Cl. 30-382.000.
- Ritou, Tuguyoshi: *See—*
  - Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aihara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
- Ritrievi, Kimberly E.: *See—*
  - Dourland, Larry G.; DiLullo, Robert J.; Ritrievi, Kimberly E.; and Valbert, Jon R., 4,855,179, Cl. 428-296.000.
- Ritsch, Ingomar, to Bessey & John GmbH & Co. Clamping device. 4,854,565, 8-8-89, Cl. 269-41.000.
- Ritsema, Anne R.: *See—*
  - Van Kampen, Willem A.; Ritsema, Anne R.; and Unger, Rudolf, 4,821,246, Cl. 267-189.000.
- Ritsko, John J.: *See—*
  - Bard, Steven L.; Feger, Claudius; Glenning, John J.; Hougham, Gareth G.; Molis, Steven E.; Pawlowski, Walter P.; Ritsko, John J.; Slota, Peter, Jr.; and Snyder, Randy W., 4,846,929, Cl. 156-630.000.
- Ritsko, Joseph E.; and Lee, Jen S., to GTE Products Corporation. Process for coating tungsten carbide with cobalt metal. 4,801,472, 1-31-89, Cl. 427-217.000.
- Ritsko, Joseph E.: *See—*
  - Johnson, Walter A.; Kopatz, Nelson E.; and Ritsko, Joseph E., 4,859,237, Cl. 75-0.5AA.
  - Kopatz, Nelson E.; Ritsko, Joseph E.; and Johnson, Walter A., 4,802,915, Cl. 75-0.5AA.
  - Patrician, Thomas J.; Ritsko, Joseph E.; and Martin, Harry D., III, 4,859,236, Cl. 75-0.5AB.
- Ritson, Carl, to Critikon, Inc. Spike for parenteral solution container. 4,834,744, 5-30-89, Cl. 604-411.000.
- Ritson, Carl: *See—*
  - Danby, Hal C.; and Ritson, Carl, 4,846,636, Cl. 417-413.000.
  - Edelman, Howard; and Ritson, Carl, 4,878,646, Cl. 251-9.000.
- Ritt Corporation: *See—*
  - Ono, Akira, 4,817,736, Cl. 173-93.000.
  - Ono, Akira, 4,867,250, Cl. 173-93.000.
- Ritt, Peter M.; Rapp, Kevin M.; and Minnerly, Kenneth G., to RCA Licensing Corp. Method for making a stencil with a borax-free, low-dichromate, casein photoresist composition. 4,865,953, 9-12-89, Cl. 430-322.000.
- Rittal-Werk: *See—*
  - Debus, Jurgen; and Lehr, Lothar, 4,878,777, Cl. 403-205.000.
- Rittal-Werk Rudolf Loh GmbH & Co. KG: *See—*
  - Berg, Franco; and Bovermann, Claus-Dieter, 4,802,589, Cl. 206-511.000.
  - Debus, Jurgen, 4,802,863, Cl. 439-387.000.
  - Immel, Manfred, 4,802,060, Cl. 361-379.000.
  - Immel, Manfred, 4,882,911, Cl. 62-288.000.
  - Lehr, Lothar, 4,843,519, Cl. 361-356.000.
  - Wagener, Hans, 4,832,626, Cl. 439-715.000.

Wagener, Hans; Zachrei, Jurgen; and Munch, Udo, 4,832,627, Cl. 439-715.000.
Wagener, Hans; and Zachrei, Jurgen, 4,874,321, Cl. 439-119.000.
Ritter, Alfred: *See*—
Bogdanovic, Borislav; Ritter, Alfred; and Splethoff, Bernd, 4,829,772, Cl. 62-48.100.
Ritter, Andrew M.; Fetterolf, John S.; and Williams, James W., 3rd, to Fetterolf Corporation. High pressure valve. 4,867,197, 9-19-89, Cl. 137-315.000.
Ritter, Charles H. Toothbrush conditioner. 4,803,364, 2-7-89, Cl. 250-455.100.
Ritter, Charles H. Toothbrush sterilizer with automatic control. 4,888,487, 12-19-89, Cl. 250-455.100.
Ritter, David T.: *See*—
Cox, Edwin G.; and Ritter, David T., 4,847,888, Cl. 379-64.000.
Ritter, David W.; and Zortea, Anthony, to Videotek, Inc. Video signal processor. 4,811,097, 3-7-89, Cl. 358-160.000.
Ritter, Ernest R., deceased: *See*—
Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
Ritter, Faye E., executrix: *See*—
Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
Ritter, Gebhard: *See*—
Comte, Pierre-Andre; Schurch, Hans; and Ritter, Gebhard, 4,875,475, Cl. 128-924.00Y.
Drauz, Karl-Heinz; Kleeman, Axel; Prescher, Gunter; and Ritter, Gebhard, 4,825,011, Cl. 568-771.000.
Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, 4,803,976, Cl. 128-92.0VD.
Ritter, Gerhard; and Ritter, Klaus, to EVG Entwicklungs-U. Verwertungs-Gesellschaft m.b.H. Device for heat-treating, in particular annealing, a continuously advanced metal wire. 4,860,999, 8-29-89, Cl. 266-103.000.
Ritter, Gerhard: *See*—
Ritter, Klaus; Ritter, Gerhard; and Scherr, Rudolf, 4,853,511, Cl. 219-56.000.
Scherr, Rudolf; Ritter, Klaus; Ritter, Gerhard; and Ritter, Josef, 4,848,560, Cl. 198-429.000.
Ritter, Gregory A.; Barton, Graham; and Sargent, Ronald J., to Alopex Industries, Inc. Air blower safety control. 4,881,870, 11-21-89, Cl. 415-47.000.
Ritter, Gunter; Asmuth, Peter; and Raible, Ludwig, to Rheinische Braunkohlenwerke AG. Method of removing SO_x and NO_x from effluent gas. 4,839,148, 6-13-89, Cl. 423-239.000.
Ritter, Gunter: *See*—
Rohde, Rolf; and Ritter, Gunter, 4,858,480, Cl. 74-60.000.
Ritter, Harald, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Method and apparatus for the continuous measurement of the depth of a radioactive glass melt flowing into a container. 4,871,000, 10-3-89, Cl. 141-95.000.
Ritter, Heinz, to SDS-Relais AG. Acceleration switch. 4,814,564, 3-21-89, Cl. 200-288.000.
Ritter, J. Alan: *See*—
Scheller, Gregg D.; Gahn, Jerry S.; Higgins, Daniel E.; Wendt, Richard; Gibeltirra, James; and Ritter, J. Alan, 4,837,857, Cl. 455-617.000.
Ritter, James C.: *See*—
McIntire, William R.; and Ritter, James C., 4,808,004, Cl. 366-155.000.
Ritter, John A.; and Hallam, Keith J., to Thrall Car Manufacturing Company. Hopper car with automatic discharge door mechanism. 4,843,974, 7-4-89, Cl. 105-240.000.
Ritter, Josef: *See*—
Bauer, Wolfgang; Steckelberg, Willi; and Ritter, Josef, 4,881,977, Cl. 106-22.000.
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Ritter, Joseph, to Nestec S.A. Distribution for forming a thin liquid layer on a surface. 4,877,188, 10-31-89, Cl. 239-135.000.
Ritter, Klaus; Ritter, Gerhard; and Scherr, Rudolf, to EVG Entwicklungs-U. Verwertungs-Gesellschaft m.b.H. Apparatus for the feeding of transverse wires to the welding line of a grid welding machine. 4,853,511, 8-1-89, Cl. 219-56.000.
Ritter, Klaus: *See*—
Ritter, Gerhard; and Ritter, Klaus, 4,860,999, Cl. 266-103.000.
Scherr, Rudolf; Ritter, Klaus; Ritter, Gerhard; and Ritter, Josef, 4,848,560, Cl. 198-429.000.
Ritter, Lawrence; and Lawter, James R., to American Cyanamid Company. Vehicle for topical application of pharmaceuticals. 4,889,845, 12-26-89, Cl. 514-63.000.
Ritter, Rainer: *See*—
Heier, Christoph; Lentz, Gerd; and Ritter, Rainer, 4,838,488, Cl. 239-284.100.
Ritter, Robert E.: *See*—
DuPont, Preston S.; Ritter, Robert E.; McGrath, Brian A.; Schaffer, Brent G.; and Fouts, Kenneth A., III, 4,833,029, Cl. 428-116.000.
Ritter, Rogers C.: *See*—
Howard, Matthew A., III; Ritter, Rogers C.; and Grady, M. Sean, 4,869,247, Cl. 128-303.100.
Ritter, Siegfried, to Gustav Wagner Maschinenfabrik GmbH & Co. KG. Apparatus for sorting workpieces. 4,878,574, 11-7-89, Cl. 198-369.000.
Ritter, Thomas A.: *See*—
Dumican, Barry L.; Kaganov, Alan L.; and Ritter, Thomas A., 4,838,884, Cl. 604-364.000.
Ritter, Wolfgang; Handwerk, Hans-Peter; Schlueter, Kaspar; and Hasenjuergen, Heinz, to Henkel Kommanditgesellschaft auf Aktien. Compositions for finishing textiles. 4,797,964, 1-17-89, Cl. 8-115.60.
Ritter, Wolfgang; Handwerk, Hans-Peter; and Carduck, Franz-Josef, to Henkel Kommanditgesellschaft auf Aktien. Process for the shaping agglomeration of particulate solids and solids produced by the process. 4,866,023, 9-12-89, Cl. 502-174.000.
Ritter, Wolfgang: *See*—
Braun, Rolf M.; Panek, Peter; Bornefeld, Horst; Rade, Dieter; and Ritter, Wolfgang, 4,810,305, Cl. 106-499.000.
Ritterbex, Horst: *See*—
Piorr, Robert; Rommerskirchen, Hans-Josef; Ritterbex, Horst; and Jost, Frantisek, 4,820,451, Cl. 260-400.000.
Ritterman, Paul H. Lotion applicator. 4,883,380, 11-28-89, Cl. 401-208.000.
Rittershaus & Blecher GmbH: *See*—
Heinrich, Hans J.; and Oelbermann, Max, 4,853,121, Cl. 210-225.000.
Rittershaus, Erhard: *See*—
Borowski, Horst; Kausch, Erwin; Rittershaus, Erhard; Rudolph, Gert; and Schneider, Werner, 4,874,004, Cl. 131-364.000.
Hirsch, Werner; Rittershaus, Erhard; and Weiss, Arno, 4,844,101, Cl. 131-296.000.
Rittler, Hermann L., to Corning Glass Works. Vapor/thermal method of delaminating and stabilizing a phyllosilate and product. 4,826,62 5-2-89, Cl. 252-378.00R.
Rittler, Hermann L., to Corning Glass Works. Fluorinated phyllosilicate and method. 4,836,954, 6-6-89, Cl. 252-378.00R.
Rittner, Charles H.: *See*—
Orloff, Eugene F.; Horowitz, Martin; and Rittner, Charles H., 4,872,120, Cl. 364-509.000.
Rittner, Sieghert: *See*—
Gossel, Helmut; Kuckertz, Herbert; Rittner, Sieghert; Rosenfelder, Josef; and Wojtech, Bernhard, 4,814,518, Cl. 568-708.000.
Wojtech, Bernhard; Rittner, Sieghert; Reiss, Heinz; and Zander, Reinhard, 4,864,065, Cl. 568-155.000.
Ritvik Group Inc., The: *See*—
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Bertrand, Vic, 4,809,980, Cl. 273-157.00R.
Bertrand, Vic, 4,826,464, Cl. 446-120.000.
Ritz, Josef: *See*—
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Neubauer, Gerald; Schnabel, Rolf; Hartig, Juergen; and Ritz, Josef, 4,814,511, Cl. 568-342.000.
Neubauer, Gerald; De Decker, Emile; Fuchs, Hugo; Holzbach, Bernhard; and Ritz, Josef, 4,882,430, Cl. 540-540.000.
Ritzer, Edwin: *See*—
Blank, Heinz U.; and Ritzer, Edwin, 4,868,347, Cl. 560-937.000.
Rius, Jean-Michel: *See*—
Denis, Gerard; and Rius, Jean-Michel, 4,836,971, Cl. 264-521.000.
Denis, Gerard; and Rius, Jean-Michel, 4,846,650, Cl. 425-176.000.
RIV-SKF Officine di Villar Perosa S.p.A.: *See*—
Colanzi, Franco, 4,795,277, Cl. 384-447.000.
Colanzi, Franco; and Vignotto, Angelo, 4,874,261, Cl. 384-464.000.
Riva, Alfredo; and Cavani, Fabrizio, to Ausimont Italia S.p.A. Oxidation catalyst and process for its preparation. 4,849,391, 7-18-89, Cl. 502-202.000.
Riva, Alfredo; and Cavani, Fabrizio, to Ausimont Italia S.p.A. Oxidation catalyst and process for its preparation. 4,870,195, 9-26-89, Cl. 549-248.000.
Riva Calzoni S.p.A.: *See*—
Sala, Oneglio; and Fabbri, Roberto, 4,826,357, Cl. 405-232.000.
Sala, Oneglio; and Montanari, Paolo, 4,836,711, Cl. 405-92.000.
Riva, Carlo, to SGS Microelettronica S.p.A. Eeprom memory cell with a single polysilicon level and a tunnel oxide zone. 4,823,1 4-18-89, Cl. 365-185.000.
Riva, Ernesto; Selva, Enrico; Denaro, Maurizio; Cassani, Giovanni; and Parenti, Francesco, to Gruppo Lepetit S.p.A. Antibiotic A 420 and the addition salts thereof. 4,804,534, 2-14-89, Cl. 424-118.000.
Riva, Ernesto: *See*—
Selva, Enrico; Riva, Ernesto; Cassani, Giovanni; and Parenti, Francesco, 4,868,171, Cl. 514-183.000.
Riva, Mario: *See*—
Picciola, Giampaolo; Riva, Mario; Ravenna, Franco; and Gentili, Piergiorgio, 4,826,975, Cl. 544-391.000.
Riva, Teobaldo. Baking plate. 4,805,526, 2-21-89, Cl. 99-422.000.
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Chan, Yuen H.; Nijhuis, Rolf H.; Rivadeneira, Carlos G.; and Struk, James R., 4,851,711, Cl. 307-288.000.
Rival, Marc, to Merlin Gerin. Breaking device for multipole electrical circuit breaker with multiple contacts. 4,877,929, 10-31-89, Cl. 200-146.00R.
Rival, Steven E.; and Prince, William D., to Union Carbide Corporation. Silicone oil recovery. 4,857,150, 8-15-89, Cl. 203-41.000.
Rivard, Daniel, to ETS. Rivard S.A. Device for digging trenches. 4,794,709, 1-3-89, Cl. 37-94.000.
Rivard, Daniel, to ETS. Rivard S.A. Mechanized unit for digging a trench and laying elongate objects. 4,812,078, 3-14-89, Cl. 405-179.000.
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Audoux, Christian; Rivas, Edouard; and Rossignol, Georges, 4,871,499, Cl. 264-173.000.

Rivas, Grace A.: *See*—
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Rivas, Hercilio: *See*—
Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.
Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.
Rodriguez, Domingo P.; Jimenez, Euler G.; Layrisse, Ignacio; Salazar, Jose P.; and Rivas, Hercilio, 4,834,775, Cl. 44-51.000.
Rivas, Mario A.: *See*—
Burch, Kenneth R.; and Rivas, Mario A., 4,879,733, Cl. 377-44.000.
Davis, Walter L.; Rivas, Mario A.; Burch, Kenneth R.; and Deems, Vincent B., 4,839,622, Cl. 340-311.100.
Rivas, Nadine: *See*—
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Rivas, Olegario; and Newski, Alejandro, to Intevep, S.A. Sucker rod centralizer. 4,871,020, 10-3-89, Cl. 166-241.000.
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Los, Jesus R.; Rivas, Olegario; and Zirczy, Geza N., 4,877,542, Cl. 252-62.000.
Rivaud, Lydia L.; Roselle, Paul; and Losee, David, to Eastman Kodak Company. Process to eliminate the re-entrant profile in a double polysilicon gate structure. 4,888,298, 12-19-89, Cl. 437-43.000.
Riveccie, Marcel: *See*—
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Rivera, Jaime A.: *See*—
Ericson, Richard J.; and Rivera, Jaime A., 4,848,519, Cl. 187-1.00R.
Rivera, James A., to Otis Elevator Company. Curved escalator with fixed center constant radius path of travel. 4,884,673, 12-5-89, Cl. 198-328.000.
Rivera, James A.: *See*—
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Rivera, Jesus, Jr.: *See*—
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Rivera, Jose C. Locking box clasp for jewelry. 4,881,305, 11-21-89, Cl. 24-616.000.
Rivera, Rafael. Method and apparatus for mechanically marking lottery or other games. 4,833,784, 5-30-89, Cl. 33-18.100.
Rivera, Raymond R.; VanVleet, Stephen B.; and Wilson, Shari J., to Minnesota Mining and Manufacturing Company. Tamper indicating tape and delaminating film therefore. 4,876,123, 10-24-89, Cl. 428-34.200.
Rivero, Francisco B., to Recreativos Franco, S.A. Game device including means simulating release of a ball. 4,871,171, 10-3-89, Cl. 273-138.00A.
Rivero, Jose L.: *See*—
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Clayton, Neil H.; Rivero, Jose L.; and Sun, Kuo-Chang, 4,845,624, Cl. 364-200.000.
Rivero, Mayela: *See*—
Layrisse, Ignacio; Polanco, Domingo R.; Rivas, Hercilio; Jimenez G., Euler; Quintero, Lirio; Salazar, Jose P.; Rivero, Mayela; Cardenas, Antonio; Chirinos, Maria L.; Rojas, Daysi; and Marquez, Humberto, 4,795,478, Cl. 44-51.000.
Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.
Rivero-Olmedo, Jose M. Meter boxes and mountings therefor. 4,809,548, 3-7-89, Cl. 73-201.000.
Rivero-Olmedo, Jose M. Expansion mechanism for meter box or meter yoke. 4,813,276, 3-21-89, Cl. 73-201.000.
Rivero-Olmedo, Jose M. Expansion mechanism for meter box or meter yoke. 4,872,338, 10-10-89, Cl. 73-201.000.
Rivero-Olmedo, Jose M. Expansion mechanism for meter box or meter yoke. 4,884,442, 12-5-89, Cl. 73-201.000.
Rivers, Jacob B., Jr. Continuous hydrogenation of unsaturated oils. 4,871,485, 10-3-89, Cl. 260-409.000.
Rivers, Jerry B., to Domtar Gypsum Inc. Gypsum dissolution system. 4,812,045, 3-14-89, Cl. 366-107.000.
Rivers, Jerry B., to Domtar Gypsum Inc. Gypsum dissolution system. 4,820,053, 4-11-89, Cl. 366-137.000.
Rivers, Roy W. Gun cleaner. 4,866,871, 9-19-89, Cl. 42-95.000.
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Naiman, Charles S.; King, Marvin; and Greenbaum, Michael, 4,836,672, Cl. 356-5.000.
Rives, Allen K. Arrangement for reducing seal damage between rotatable and stationary members. 4,825,964, 5-2-89, Cl. 175-371.000.
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Rivette, Denni: *See*—
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Rivetti, Franco: *See*—
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Renzi, Fiorenzo; Rivetti, Franco; Romano, Ugo; and Gagliardi, Claudio, 4,812,545, Cl. 526-230.500.
Renzi, Fiorenzo; Rivetti, Franco; and Romano, Ugo, 4,835,233, Cl. 526-301.000.
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Rivier, Jean E. F.: *See*—
Vale, Wylie W.; Rivier, Jean E. F.; and Spiess, Joachim, 4,864,019, Cl. 530-387.000.
Vaughan, Joan; Spiess, Joachim; Rivier, Jean E. F.; and Vale, Wylie W., Jr., 4,843,064, Cl. 514-12.000.
Riviere, Luc; and Carenco, Alain. Microwave transmission line of the symmetrical type and with two coplanar conductors. 4,871,988, 10-3-89, Cl. 333-238.000.
Riviere, Maurice, to Carnaud S.A. Method of fitting a top or a bottom to the body of a can and machine for executing this method. 4,820,100, 4-11-89, Cl. 413-6.000.
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Rivoallan, Loic; and Guilloux, Jean-Yvon. Device for focusing a light beam and machine for welding optical fibres using this device. 4,802,729, 2-7-89, Cl. 350-96.210.
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Nineuil, Guy; and Rivoirard, Louis, 4,857,211, Cl. 210-797.000.
Rivola, Luigi: *See*—
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Rix, William J., to British Aerospace Public Limited Company. Onboard disposal of water in aircraft fuel tanks. 4,809,934, 3-7-89, Cl. 244-135.00R.
Rixen, Edgar, to Robert Krups Stiftung & Co. KG. Electrically operated coffee making machine. 4,811,657, 3-14-89, Cl. 99-295.000.
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Rizza, Michael C. Method and apparatus for sealing expandable roof joints with optical insulation. 4,882,890, 11-28-89, Cl. 52-396.000.
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Rizzardi, Napoleone; and Ripamonti, Giuseppe, to Capsulit, S. P. A. Syringe for dosed filling of bottles and the like. 4,804,114, 2-14-89, Cl. 222-148.000.
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- Rizzo, Mary B. Laterally operative cosmetic hand. 4,865,613, 9-12-89, Cl. 623-65.000.
- Rizzo, Salvatore J. Lawn seeding machine. 4,821,655, 4-18-89, Cl. 111-8.000.
- Rizzo, Thomas: *See—*
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- Rizzoli, Salvatore: *See—*
  - Mattei, Riccardo; and Rizzoli, Salvatore, 4,883,075, Cl. 131-84.400.
- Rizzuto, Leandro P.; Leung, Kit-Lun; and Lo, Hou-On, to Conair Corporation. Reversible hair crimper. 4,870,250, 9-26-89, Cl. 219-225.000.
- RJ Lee Group, Inc.: *See—*
  - Lentz, Henry P.; Delaney, Larry R.; Matone, Charles J., Jr.; Lee, Richard J.; and Lang, Dan H., 4,831,236, Cl. 219-271.000.
- RJF International Corporation: *See—*
  - Bonser, John R., 4,881,988, Cl. 148-300.000.
  - Doan, Daniel C., 4,807,397, Cl. 49-498.000.
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  - Andersson, Lars-Olof, 4,830,275, Cl. 236-49.100.
- RM Base Company: *See—*
  - Gefroh, James A.; and Hattman, Fredric J., 4,876,833, Cl. 52-107.000.
- RME Research Associates: *See—*
  - Pike, Wilson C.; and Robertson, William S., 4,847,106, Cl. 426-629.000.
- RMO, Inc.: *See—*
  - Rossini, Robert S.; and Steinhauser, Walter J., 4,819,316, Cl. 29-160.600.
- RMT, Inc.: *See—*
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- RNA, Incorporated: *See—*
  - McKee, John H., 4,860,899, Cl. 206-534.000.
- RO Associates: *See—*
  - McDonnal, John E., 4,858,052, Cl. 361-18.000.
- Roach, Daniel; and Spector, George. Try square protractor. 4,835,877, 6-6-89, Cl. 33-426.000.
- Roach, Jack R., to Maremont Corporation. Dual diaphragm three position actuator. 4,831,915, 5-23-89, Cl. 92-49.000.
- Roach, James F.; and Roach, Kevin V. Resisting entry of an object into a space between the hinged edge of a door member hingedly attached to a associated jamb member and a surface of the jamb member. 4,878,267, 11-7-89, Cl. 16-250.000.
- Roach, Kevin V.: *See—*
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- Roach, Maurice P.: *See—*
  - Crouch, Brian E.; and Roach, Maurice P., 4,829,714, Cl. 51-17.000.
- Roach, Max J.; and Taylor, Jack C., to Du Pont Canada Inc. Method of welding flanged pipe sections and apparatus therefor. 4,838,477, 6-13-89, Cl. 228-222.000.
- Roach, Robert E.: *See—*
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- Roach, Theodore H.: *See—*
  - Hoye, Robert S.; and Roach, Theodore H., 4,824,111, Cl. 273-148.00B.
  - Hoye, Robert S.; and Roach, Theodore H., 4,872,672, Cl. 273-1.00E.
- Roach, Thomas A.: *See—*
  - Thayer, Edward B.; Scott, Philip R.; and Roach, Thomas A., 4,798,328, Cl. 239-1.000.
- Road Systems, Inc.: *See—*
  - Boyer, John D., 4,874,184, Cl. 280-423.100.
- Roadway Package System, Inc.: *See—*
  - Handy, Steven W.; Everman, E. Roger; Bloom, Gordon N.; and Johnson, Bram B., 4,832,204, Cl. 209-3.300.
- Roane, Bobby A., to Texas Instruments Incorporated. Method and apparatus for providing interconnection between metallization layers on semiconductor devices. 4,873,565, 10-10-89, Cl. 357-71.000.
- Roane, Bobby A.: *See—*
  - Brighton, Jeffrey E.; and Roane, Bobby A., 4,866,008, Cl. 437-189.000.
  - Hooper, Robert C.; Roane, Bobby A.; and Verret, Douglas P., 4,843,453, Cl. 357-71.000.
- Roark, David N.; and Lambert, Jules A., to Ethyl Corporation. High temperature adhesive for polymide films. 4,859,530, 8-22-89, Cl. 428-294.000.
- Roark, Joseph C.: *See—*
  - Gordon, Gary B.; Roark, Joseph C.; and Lerner, Stuart D., 4,843,566, Cl. 364-513.000.
- Roarty, David H., to Westinghouse Electric Corp. Multi-point wall thickness gage. 4,881,409, 11-21-89, Cl. 73-597.000.
- Roat, Rosette M.; and Yolles, Seymour, to University of Delaware. Coordination complexes of platinum with amides. 4,855,498, 8-8-89, Cl. 564-215.000.
- Roath, Alan L.; and Tengler, John N., to Ohio Associated Enterprises, Inc. IDC connectors with rotated conductor pairs and strain relief base molded onto cable. 4,824,394, 4-25-89, Cl. 439-395.000.
- Roba, Giacomo, to Cselt - Centro Studi e Laboratori Telecomunicazioni S.p.A. Process and apparatus for making optical-fiber preforms. 4,816,050, 3-28-89, Cl. 65-3.120.
- Roba, Joseph: *See—*
  - Bovy, Philippe R.; Gillet, Claude; Lenaers, Albert; Niebes, Paul; Roba, Joseph; and Lambelin, Georges, 4,853,401, Cl. 514-389.000.
- Roback, Kenneth J.; and Beise, Thomas R., to Motorola, Inc. Method and apparatus of printed circuit board assembly with optimal placement of components. 4,851,966, 7-25-89, Cl. 361-406.000.
- Robak, Andrew H., Jr.: *See—*
  - Robak, Frank E., Sr.; and Robak, Andrew H., Jr., 4,883,942, Cl. 219-227.000.
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- Robards, Chester F., Jr.; and Kolomayets, George, to Bally Manufacturing Corporation. Foot pedal assembly for an exercise machine. 4,846,461, 7-11-89, Cl. 27[illegible]2.000.
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  - Davier, Jean-Pierre, 4,869,713, Cl. 494-62.000.
- RobaTherm Products: *See—*
  - Robak, Frank E., Sr.; and Robak, Andrew H., Jr., 4,883,942, Cl. 219-227.000.
- Robau, Romarico P. Steam-heated milk warmer. 4,848,216, 7-18-89, Cl. 99-323.300.
- Robb, Francine Y.; Robinson, F. J.; Svechovsky, Bridget; and Wood, Thomas E., to Motorola Inc. Method for filling trenches from a seed layer. 4,847,214, 7-11-89, Cl. 437-67.000.
- Robb, James R., to Rockwell International Corporation. Data driven clock generator. 4,857,868, 8-15-89, Cl. 331-135.000.
- Robb, Kenneth P., Jr.: *See—*
  - Ziegler, Michael J.; Millward, Barry; and Robb, Kenneth P., Jr., 4,840,656, Cl. 65-85.000.
- Robb, Neil E., to Airmaster Fan Company. Fan blade fabrication system. 4,826,405, 5-2-89, Cl. 416-204.00R.
- Robb, Paul N., to Lockheed Missiles & Space Company, Inc. Mapping lens. 4,832,472, 5-23-89, Cl. 350-463.000.
- Robbat, Jr. Albert; and Corso, Nicholas P., to Tufts College, Trustees of. Interface for separating an analyte of interest from a liquid solvent. 4,801,430, 1-31-89, Cl. 422-52.000.
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  - Klun, Thomas P.; Lu, David D.; and Robbins, Aida F., 4,855,184, Cl. 428-425.100.
  - Tumey, Michael L.; Bange, Donna W.; and Robbins, Aida F., 4,836,832, Cl. 51-293.000.
- Robbins Auto Top Co., Inc.: *See—*
  - Robbins, Mark R.; Robbins, Douglas W.; and Agosta, Roy P., 4,799,727, Cl. 296-107.000.
- Robbins, Clarence R.: *See—*
  - Clarke, Jane; Patel, Amrit; and Robbins, Clarence R., 4,818,523, Cl. 424-70.000.
- Robbins, Clyde, to General Instrument Corporation. Apparatus and method for providing digital audio on the sound carrier of a standard television signal. 4,821,097, 4-11-89, Cl. 358-143.000.
- Robbins, Daniel E., to Robbins Sports. Display package and method of manufacture. 4,848,563, 7-18-89, Cl. 206-45.340.
- Robbins, Daniel H., to Itek Graphix Corp. Footed cassette for photosensitive material. 4,842,211, 6-27-89, Cl. 242-71.100.
- Robbins, Daniel H., to Itek Graphix Corp. Vacuum transport and hold down belt for automatic camera. 4,885,606, 12-5-89, Cl. 355-73.000.
- Robbins, Douglas J.: *See—*
  - Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,808,278, Cl. 204-28.000.
  - Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., 4,814,054, Cl. 204-207.000.
- Robbins, Douglas W.: *See—*
  - Robbins, Mark R.; Robbins, Douglas W.; and Agosta, Roy P., 4,799,727, Cl. 296-107.000.
- Robbins, Earl H. Laminated veneer lumber (LVL). 4,844,763, 7-4-89, Cl. 156-269.000.
- Robbins, Edward S., III. Container with unitary bladder. 4,805,799, 2-21-89, Cl. 220-403.000.
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- Robbins, Edward S., III. Ribbed sheet. 4,816,316, 3-28-89, Cl. 428-161.000.
- Robbins, Edward S., III. Bag closure device. 4,835,820, 6-6-89, Cl. 24-30.50R.
- Robbins, Edward S., III. Method of extrusion blow-molding container having upper and lower sections of different thickness. 4,836,970, 6-6-89, Cl. 264-515.000.
- Robbins, Edward S., III. Composite strand fence. 4,860,996, 8-29-89, Cl. 256-10.000.
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- Robbins, Edward S., III. Collapsible containers. 4,874,106, 10-17-89, Cl. 220-4.00F.
- Robbins, Edward S., III: *See—*
  - Manley, Jack, 4,881,721, Cl. 256-52.000.
- Robbins, Ernest E.: *See—*
  - Gombrich, Peter P.; and Robbins, Ernest E., 4,814,759, Cl. 340-771.000.
- Robbins, Geoffrey, to Du Pont (Australia) Ltd.; Mount Isa Mines Limited; and Specialised Polyurethane Applications Pty. Ltd. Borehole plug and method. 4,846,278, 7-11-89, Cl. 166-286.000.
- Robbins, Harry C.: *See—*
  - Shumway, Dale F.; and Robbins, Harry C., 4,855,440, Cl. 548-353.000.
- Robbins, Howard J. Tank secondary containment system. 4,871,084, 10-3-89, Cl. 220-85.00F.

- Robbins, Inc.: *See—*
  - Niese, Michael W.; and Stoehr, James H., 4,831,806, Cl. 52-391.000.
- Robbins, James K., to Marathon Corporation. Mechanical lock-in device for a front loader compaction assembly. 4,811,660, 3-14-89, Cl. 100-229.00A.
- Robbins, James K.: *See—*
  - Brown, Ronald L.; Robbins, James K.; and Spiers, Kent, 4,817,520, Cl. 100-41.000.
- Robbins, Jerry B. Oil filter tool. 4,860,617, 8-29-89, Cl. 81-64.000.
- Robbins, Joseph S., III, to DSET Laboratories, Inc. Temperature-controlled accelerated weathering device. 4,807,247, 2-21-89, Cl. 374-57.000.
- Robbins, Lanny A.; and Killat, George R., to Dow Chemical Company, The. Liquid distributor apparatus for high turndown ratios and minimum fouling. 4,808,350, 2-28-89, Cl. 261-96.000.
- Robbins, Lanny A.; and Johnson, Herbert A., to Dow Chemical Company, The. Recovery process. 4,842,621, 6-27-89, Cl. 55-26.000.
- Robbins, Lanny A.; and Frank, Timothy C., to Dow Chemical Company, The. Pressure swing adsorption apparatus and process for recovery of oil-soluble vapors. 4,857,084, 8-15-89, Cl. 55-58.000.
- Robbins, Lanny A.; and Gammill, Ben B., to Dow Chemical Company, The. Countercurrent multi-stage water crystallization of aromatic compounds. 4,861,919, 8-29-89, Cl. 568-724.000.
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- Robbins, R. Ralph. Building ventilation system with air inlet flap control. 4,823,679, 4-25-89, Cl. 98-33.100.
- Robbins, Ronald B. Dye setting steam chamber apparatus and method. 4,828,567, 5-9-89, Cl. 8-149.300.
- Robbins Sports: *See—*
  - Robbins, Daniel E., 4,848,563, Cl. 206-45.340.
- Robbins, Stevens E. Biofeedback interface for sensory enhancement of the plantar surface of the foot. 4,823,799, 4-25-89, Cl. 128-581.000.
- Robbins Tire & Rubber Co., Inc.: *See—*
  - Perdue, Thad A.; and Johnson, Bobby G., 4,828,470, Cl. 425-23.000.
  - Perdue, Thad A., 4,836,877, Cl. 156-244.130.
- Robbins, W. Dale: *See—*
  - Leone, David A.; Buxton, Clifford A.; and Robbins, W. Dale, 4,876,424, Cl. 200-306.000.
- Robbins, William D., to Nash Manufacturing Co. Skateboard with audio entertainment device. 4,824,139, 4-25-89, Cl. 280-816.000.
- Robbins, William D., to Sports & Toys Concepts, Inc. Glove-and-ball sports toy. 4,836,554, 6-6-89, Cl. 273-321.000.
- Robbins, William L., to United States of America, America. Viad chip capacitor and method for making same. 4,864,465, 9-5-89, Cl. 361-321.000.
- Robe, Gary R.: *See—*
  - Huddleston, Elwyn; Serra, Jerry M.; and Robe, Gary R., 4,801,346, Cl. 156-187.000.
- Robe, Thomas J.: *See—*
  - Beckner, Mark W.; Chao, Hung-Hsiang J.; Robe, Thomas J.; and Smoot, Lanny S., 4,819,226, Cl. 370-55.000.
- Robello, Douglas R.; Ulman, Abraham; and Willand, Craig S., to Eastman Kodak Company. Optical article containing a polymeric matrix exhibiting a high level of second order polarization susceptibility. 4,796,971, 1-10-89, Cl. 350-96.340.
- Roberge, Wayne G.: *See—*
  - Flannery, Brian P.; Deckman, Harry W.; Eisenberger, Peter M.; and Roberge, Wayne G., 4,833,698, Cl. 378-19.000.
- Robern, Inc.: *See—*
  - Katz, Howard S., 4,867,511, Cl. 312-227.000.
- Robers, Klaas H. J., to U.S. Philips Corporation. Video translation system for translating a binary coded data signal into a video signal and vice-versa. 4,825,306, 4-25-89, Cl. 360-9.100.
- Roberson, Carl H. Display signs. 4,833,805, 5-30-89, Cl. 40-603.000.
- Roberson, Robert F., to Hot Sports, Inc. Method and apparatus for making a boat. 4,803,944, 2-14-89, Cl. 114-359.000.
- Roberson, Robert F., to Hot Sports, Inc. Deck connection system for a boat. 4,823,717, 4-25-89, Cl. 114-61.000.
- Roberson, William C., to Franklin Equipment Company. Felling saw and method of operating. 4,850,409, 7-25-89, Cl. 144-336.000.
- Robert, Andre, to Societe Anonyme de Telecommunications. Phase-control system for telecommunications signals received by an adaptive antenna. 4,847,860, 7-11-89, Cl. 375-1.000.
- Robert Bosch GmbH: *See—*
  - Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, 4,882,976, Cl. 91-376.00R.
  - Affeldt, Karl-Heinz; and Hantel, Ulrich, 4,838,277, Cl. 128-691.000.
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  - Alf, Reinhard; and Warzecha, Wolfgang, 4,857,014, Cl. 439-578.000.
  - Arnold, Brigitte; Eidler, Franz; and Wessel, Wolf, 4,862,370, Cl. 364-431.100.
  - Arnold, Winfried; Hesse, Horst; Hofer, Friedrich-Wilhelm; Lodige, Heinrich; Mohaupt, Hubert; and Schumacher, Werner, 4,809,785, Cl. 172-9.000.
  - Asslaender, Peter; Hafner, Udo; and Reiter, Ferdinand, 4,830,286, Cl. 239-585.000.
  - Bamer, Franz, 4,879,898, Cl. 73-118.200.
  - Banzhaf, Werner; Eblen, Ewald; Faber, Heinrich; Giersch, Rolf J.; Hofmann, Karl; Liedtke, Dieter; and Norberg, Helmut, 4,801,095, Cl. 239-533.300.
  - Barth, Guenter; Stegmaier, Alwin; and van Zanten, Anton, 4,860,848, Cl. 180-197.000.
  - Bassler, Helmut; Gmelin, Karl; and Ehrentraut, Heinz, 4,844,036, Cl. 123-470.000.
  - Bauer, Harald, 4,807,264, Cl. 377-24.100.
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  - Benedikt, Walter; Heess, Gerhard; Herden, Werner; Friese, Karl-Hermann; Reum, Helmut; Schmatz, Jurgen; and Schwab, Siegbert, 4,798,991, Cl. 313-137.000.
  - Benedikt, Walter; Herden, Werner; Schmatz, Jurgen; and Schwab, Siegbert, 4,870,319, Cl. 313-137.000.
  - Benz, Gerhard; Mutschler, Gerda; and Schneider, Gunter, 4,830,873, Cl. 427-35.000.
  - Berding, Josef; Bertling, Hannes; Lees, Thomas; and Pabst, Carsten, 4,878,519, Cl. 138-31.000.
  - Bernhardt, Wolfgang; and Tischer, Michael, 4,798,421, Cl. 303-115.000.
  - Bernhardt, Wolfgang; and Friedow, Michael, 4,800,995, Cl. 18[illegible]-319.000.
  - Bernhardt, Wolfgang; and Wetzel, Gerhard, 4,861,116, Cl. 303-100.000.
  - Bertling, Hannes; and Siegel, Heinz, 4,818,039, Cl. 303-113.000.
  - Bertling, Hannes; Mergenthaler, Robert; Schmitt, Edgar; and Siegel, Heinz, 4,860,636, Cl. 91-376.00R.
  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
  - Blersch, Eberhard; Burr, August; and Hofmann, Klaus, 4,798,692, Cl. 264-40.600.
  - Bohm, Herbert; Gademann, Lothar; and Spitz, Richard, 4,835,427, Cl. 310-68.00D.
  - Bragas, Peter, 4,862,513, Cl. 455-45.000.
  - Braun, Wolfgang; Emsmann, Wulf; Konrath, Karl; Krieger, Klaus; and Nothdurft, Heinz, 4,811,709, Cl. 123-357.000.
  - Brauninger, Jurgen; Holmes, James; and Sieber, Albrecht, 4,808,920, Cl. 324-161.000.
  - Brauninger, Jurgen, 4,819,173, Cl. 364-431.070.
  - Breitenbacher, Juergen; Kuehle, Walter; Moennings, Roland; Neumann, Udo; and Schramm, Wolfgang, 4,852,863, Cl. 267-218.000.
  - Bruggen, Gerhard; Gaugler, Manfred; Karr, Dieter; and Winkler, Josef, 4,843,951, Cl. 92-5.00R.
  - Bruhmann, Werner, 4,794,899, Cl. 123-373.000.
  - Bruhmann, Werner, 4,796,581, Cl. 123-373.000.
  - Brunel, Andre, 4,840,162, Cl. 123-506.000.
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  - Bruns, Joachim; Gosdowski, Gerhard; Kettner, Andreas; and Schwarze, Udo, 4,816,955, Cl. 361-1.000.
  - Buhren, Harald, 4,881,227, Cl. 371-9.000.
  - Buisson, Dominique; Henry, Francois; Leblanc, Jean; Pfeifle, Helmut; and Pigeroulet, Jean, 4,805,580, Cl. 123-506.000.
  - Burger, Karl-Heinz; Collmer, Rosemarie; Fimpel, Walter; Gieseler, Klaus; Kochendorfer, Heinrich; and Steegmuller, Helmut, 4,815,584, Cl. 198-463.300.
  - Burk, Peter; and Hahn, Klaus, 4,849,896, Cl. 364-431.070.
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  - Burkel, Rainer; Engelsdorf, Kurt; Gawlik, Rolf; and Hagele, Karl-Heinz, 4,878,470, Cl. 123-401.000.
  - Cigolotti, Jean-Pierre; Devillierre, Denis; Leblanc, Jean; and Schwartz, Reinhard, 4,829,646, Cl. 29-156.40R.
  - Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl. 310-12.000.
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  - Conzelmann, Gerhard; and Nagel, Karl, 4,829,360, Cl. 357-46.000.
  - Corbach, Rainer; Mohr, Adolf; Utsch, Berthold; and Zimmermann, Kurt, 4,827,173, Cl. 310-218.000.
  - Decker, Heinz; Engfer, Ortwin; and Kuhle, Walter, 4,802,648, Cl. 248-550.000.
  - Denz, Helmut, 4,803,966, Cl. 123-478.000.
  - Denz, Helmut; and Person, Martin, 4,856,465, Cl. 123-90.170.
  - Dobereiner, Klaus; Kanzler, Ulrich; and Rauch, Hans, 4,814,989, Cl. 364-444.000.
  - Dobler, Klaus; and Hachtel, Hansjorg, 4,366,418, Cl. 340-429.000.
  - Domann, Helmut; Hagele, Karl-Heinz; and Rupp, Hartmann, 4,816,979, Cl. 363-21.000.
  - Dressler, Helmut, 4,796,163, Cl. 362-61.000.
  - Drexel, Peter; Erne, Hans; Gosdowski, Gerhard; Gross, Karl; Kirsten, Ulrich; and Leisner, Ernst, 4,880,265, Cl. 294-86.400.
  - Eckardt, Dieter; Hettich, Gerhard; and Schmid, Hans-Dieter, 4,845,649, Cl. 364-571.020.
  - Eckell, Wolfgang; Guentert, Josef; Haefele, Walter; Kraemer, Manfred; Kuhn, Uwe; and Warga, Johann, 4,840,161, Cl. 123-500.000.
  - Eckert, Konrad, 4,809,183, Cl. 364-426.040.
  - Egler, Walter, 4,811,899, Cl. 239-5.000.
  - Eheim, Franz, deceased; and Hofer, Gerald, 4,854,289, Cl. 123-503.000.
  - Eheim, Franz, deceased; and Straubel, Max, 4,870,936, Cl. 123-449.000.
  - Engel, Gerhard; Kutner, Thomas; Stunkel, Rolf; and Wessel, Rolf, 4,817,574, Cl. 123-494.000.
  - Eschelbach, Harald; and Klemmer, Wolfram, 4,879,593, Cl. 358-51.000.

Fassel, Reinhard; Haubner, Georg; and Zobl, Hartmut, 4,803,590, Cl. 361-386.000.
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Gossl, Erhard; Lutz, Hans; and Schottle, Peter, 4,806,059, Cl. 414-331.000.
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Guntert, Josef; Hafele, Walter; and Warga, Johann, 4,850,822, Cl. 417-499.000.
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Hafele, Walter, 4,836,170, Cl. 123-503.000.
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Kuhbauch, Gerd, 4,866,811, Cl. 15-250.190.
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Roberts, Donald L.; Morrison, Carl C.; Brooks, Johnny L.; Crooks, Evon L.; and Ingebrethsen, Bradley J., to R. J. Reynolds Tobacco

Company. Aerosol delivery article. 4,819,665, 4-11-89, Cl. 131-195.000.

Roberts, Donald L.; and Boldridge, David W., to R. J. Reynolds Tobacco Company. Temperature/humidity controlled valve for a smoking article. 4,867,182, 9-19-89, Cl. 131-339.000.

Roberts, Dudley A.; and Chudy, John S., to Ford Aerospace & Communications Corporation. Laser radar with adjustable local oscillator. 4,850,041, 7-18-89, Cl. 455-604.000.

Roberts, Edgar, to A-1 Construction Company. System for electrical grounding. 4,885,428, 12-5-89, Cl. 174-6.000.

Roberts, Elizabeth B. Heel protector for swim fin. 4,832,644, 5-23-89, Cl. 441-64.000.

Roberts, Eugene, to City of Hope. Use of amodiaquin and related compounds in treatment of nervous system degeneration. 4,806,537, 2-21-89, Cl. 514-253.000.

Roberts, Eugene, to City of Hope. Method for the treatment of nervous system degeneration. 4,812,447, 3-14-89, Cl. 514-170.000.

Roberts, Eugene, to City of Hope. Use of amodiaquin in treatment of nervous system degeneration. 4,831,033, 5-16-89, Cl. 514-255.000.

Roberts, Eugene, to City of Hope. Dehydroepiandrosterone therapy for ameleoration of prostate hypertrophy and sexual dysfunction. 4,835,147, 5-30-89, Cl. 514-178.000.

Roberts, Eugene, to City of Hope. Method for promoting nerve regeneration. 4,868,161, 9-19-89, Cl. 514-49.000.

Roberts, Frank D., to Conrac Corporation. Electromechanical door holder-closer. 4,803,754, 2-14-89, Cl. 16-49.000.

Roberts, Fred J.: *See*—

Tarasewich, Anthony; Roberts, Fred J.; and Warner, John L., 4,862,952, Cl. 165-54.000.

Roberts, Freddie R.; and Lancette, Robert W., to Pee Patch, Inc. Children's toilet training device with differentiating means. 4,883,749, 11-28-89, Cl. 434-247.000.

Roberts, Frederick J., Jr.: *See*—

Badesha, Santokh S.; Stolka, Milan; Weagley, Ronald J.; and Roberts, Frederick J., Jr., 4,822,703, Cl. 430-58.000.

Roberts, Gary D., to S.P.C. Holding Co., Inc. Single and polyphase electromagnetic induction machines having regulated polar magnetic symmetry. 4,808,868, 2-28-89, Cl. 310-68.00R.

Roberts, Gary E., to Applied Magnetics Corporation. Thin film magnetic head with a leveler layer. 4,872,079, 10-3-89, Cl. 360-126.000.

Roberts, Gary E.; and Reid, James, to Applied Magnetics Corporation. Thin film magnetic head with coil windings receiving trench. 4,884,157, 11-28-89, Cl. 360-125.000.

Roberts, Gary F.; and Meeker, Rick A., to Kartridg Pak Co., The. Nozzle for dispensing increments of flowable product. 4,875,601, 10-24-89, Cl. 222-145.000.

Roberts, Gary L. Beam framing system and process. 4,854,107, 8-8-89, Cl. 52-725.000.

Roberts, George A.: *See*—

Pigott, Norman B.; and Roberts, George A., 4,795,075, Cl. 228-45.000.

Roberts, George F.; and Walters, Philip H., to Tensor, Inc. System and method for locating an underground probe having orthogonally oriented magnetometers. 4,875,014, 10-17-89, Cl. 324-326.000.

Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, to Air Products and Chemicals, Inc. Production of endothermic gases with methanol. 4,859,434, 8-22-89, Cl. 423-219.000.

Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, to Air Products and Chemicals, Inc. Deoxygenation of inert gas streams with methanol. 4,859,435, 8-22-89, Cl. 423-219.000.

Roberts, George W.: *See*—

Brown, Dennis M.; Hsiung, Thomas H.; Rao, Pradip; and Roberts, George W., 4,801,574, Cl. 502-342.000.

Roberts, Gerald B., to A. B. Chance Company. Spring actuated latch, load and trip mechanism for switchgear. 4,798,922, 1-17-89, Cl. 200-400.000.

Roberts, Gerald B.; and West, Edward L., to A. B. Chance Company. Replaceable bushing and contact assembly for blade type air insulated switchgear. 4,886,945, 12-12-89, Cl. 200-144.00R.

Roberts, Gerald E.; Toliver, Samuel; and Crescenzi, Robert J., to General Electric Company. Coupled-dual resonator crystal. 4,833,430, 5-23-89, Cl. 333-191.000.

Roberts, Gerald E.; Staples, A. Gordon; and Toliver, Samuel, to General Electric Company. Monolithic crystal filter with wide bandwidth and method of making same. 4,839,618, 6-13-89, Cl. 333-191.000.

Roberts, Gordon J., to Ferro Corporation. Lead-free U.V. absorbing glass. 4,859,637, 8-22-89, Cl. 501-79.000.

Roberts, Ian A.; and Hargis, Colin, to Central Electricity Generating Board, The. Apparatus for monitoring earth faults on the rotor winding of a generator. 4,812,751, 3-14-89, Cl. 324-546.000.

Roberts, James C. Drip irrigation tape. 4,807,668, 2-28-89, Cl. 138-103.000.

Roberts, James H.: *See*—

Gold, Raymond; and Roberts, James H., 4,874,951, Cl. 250-472.100.

Roberts, James R. Indirect lighting fixture. 4,884,178, 11-28-89, Cl. 362-241.000.

Roberts, James T.: *See*—

Plocek, Edward J.; Colleran, Stephen A.; Roberts, James T.; and Silbernagel, Raymond A., 4,826,440, Cl. 439-70.000.

Roberts, Jeanette C.: *See*—

Nagasawa, Herbert T.; and Roberts, Jeanette C., 4,868,114, Cl. 435-112.000.

Roberts, Jed M., to Dragon Systems, Inc. Speech detection and recognition apparatus for use with background noise of varying levels. 4,829,578, 5-9-89, Cl. 381-46.000.

Roberts, Jeffrey J.: *See*—

Branam, Timothy R.; Roberts, Jeffrey J.; and Schoenberger, Jack O., 4,856,327, Cl. 73-168.000.

Roberts, Jeffrey S. Process for tedding or fluffing cut hay that has been compacted by the wheels of a tractor. 4,807,429, 2-28-89, Cl. 56-371.000.

Roberts, John C.: *See*—

Roberts, Joseph W.; Roberts, John C.; and MacLeod, Gordon, 4,823,525, Cl. 52-200.000.

Roberts, John C., II. Rural mailbox. 4,848,650, 7-18-89, Cl. 232-17.000.

Roberts, John H., to Peavey Electronics Corporation. Gain control or multiplier circuits. 4,818,951, 4-4-89, Cl. 330-254.000.

Roberts, John J.; Stich, Richard A.; Powell, John M.; and Losen, Gerhard K., to General Electric Company. Shelf assembly. 4,815,685, 3-28-89, Cl. 248-221.300.

Roberts, John M. L., to Triumph Motorcycles (Coventry) Limited. Balancer for internal combustion engine. 4,802,450, 2-7-89, Cl. 123-192.00B.

Roberts, John S., to Phillips Petroleum Company. Catalyst composition. 4,837,192, 6-6-89, Cl. 502-211.000.

Roberts, John T., to Poly Pro, Inc. Homogeneously fusion bonded cartridges. 4,811,861, 3-14-89, Cl. 221-197.000.

Roberts, John T.; and Monsees, Claude E. Method and apparatus for dispensing and conveying plastic articles. 4,832,537, 5-23-89, Cl. 406-87.000.

Roberts, John T.; Reid, Philip L.; LaChappell, Philip S.; and Williams, Danny R., to Roberts Systems, Inc. Apparatus for conveying and packaging groups of articles. 4,854,111, 8-8-89, Cl. 53-500.000.

Roberts, John T.; and Mattson, Larry J., to Poly-Pro, Inc. Process and apparatus for dispensing and conveying individual articles in seriatim order. 4,854,931, 8-8-89, Cl. 493-348.000.

Roberts, John T.; and Reid, Philip L., to John T. Roberts. Case packing apparatus. 4,862.677, 9-5-89, Cl. 53-498.000.

Roberts, John W. Flexible receptacle for collecting and transporting loose debris. 4,854,003, 8-8-89, Cl. 15-257.500.

Roberts, Joni A.: *See*—

Bleich, Larry L.; Roberts, Joni A.; and Zerbs, Stephen T., 4,877,645, Cl. 427-117.000.

Roberts, Joseph A.; and Stearns, Thomas H., to Advanced Circuit Technology. Flexible circuit connection assembly. 4,824,379, 4-25-89, Cl. 439-77.000.

Roberts, Joseph E.; and Griswold, William A., Jr. Cable gripping block. 4,874,152, 10-17-89, Cl. 254-264.000.

Roberts, Joseph I.: *See*—

Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,816,731, Cl. 318-569.000.

Boulton, Michael A.; Roberts, Joseph I.; and Bassirat, Hamid R., 4,823,061, Cl. 318-603.000.

Roberts, Joseph M. Fishing rod holder for casting and spinning reels. 4,827,654, 5-9-89, Cl. 43-21.200.

Roberts, Joseph M., Sr. Fishing-rod holder having dual actuation alarm. 4,807,384, [illegible]8-89, Cl. 43-17.000.

Roberts, Joseph W.; Roberts, John C.; and MacLeod, Gordon, to Tub-Master Corporation. Skylight structure. 4,823,525, 4-25-89, Cl. 52-200.000.

Roberts, Josephine A.; and Burwell, Jephthae W., to Roberts, Josephine A. Pressurized ventilation system for patients. 4,805.609, 2-21-89, Cl. 128-200.210.

Roberts, Kaye H. Anti-reflux pillow. 4,862,535, 9-5-89, Cl. 5-431.000.

Roberts, Keith; and McConnell, Thomas A. Film container. 4,860,892, 8-29-89, Cl. 206-389.000.

Roberts, Kenneth B., to Double Cut, Inc. Vertically spaced carpet cutter for cutting overlapped carpet sections to be abutted. 4,833,956, 5-30-89, Cl. 83-56.000.

Roberts, Kenneth P.: *See*—

Duncan, William M.; Glass, George E.; Johnson, Jeffrey L.; McMillan, Edward A.; Maney, Frank S.; McConnell, James R., Jr.; Roberts, Kenneth P.; and Sanders, Timothy R., 4,870,863, Cl. 73-431.000.

Roberts, Kent S., to Roberts Mfg., Inc. Archery bowstring drawback and release device. 4,854,293, 8-8-89, Cl. 124-35.00A.

Roberts, Lawrence G.: *See*—

Henderson, Alex E.; Drain, Frederick L.; and Roberts, Lawrence G., 4,837,848, Cl. 382-56.000.

Roberts, Lincoln E.: *See*—

Miller, Vernon R.; and Roberts, Lincoln E., 4,800,696, Cl. 52-221.000.

Roberts, Lois M. Semantic mapping device for teaching language skills. 4,822,283, 4-18-89, Cl. 434-171.000.

Roberts, Luther C.; Moore, William E.; Buntaine, James R.; and Brady, Robert V., to Eastman Kodak Company. Unitary intensifying screen and radiographic element. 4,865,944, 9-12-89, Cl. 430-495.000.

Roberts, Malcolm H. T., to National Research Development Corporation. Use of dioxopiperidine derivatives as analgesics. 4,871,750, 10-3-89, Cl. 514-328.000.

Roberts Mfg., Inc.: *See*—

Roberts, Kent S., 4,854,293, Cl. 124-35.00A.

Roberts, Margaret A.: *See*—

Doerr, Richard E.; Roberts, Margaret A.; and Brown, Harry J., 4,798,279, Cl. 198-594.000.

Roberts, Mark H.; and Troche, Luis P., to Art Leather Manufacturing Co., Inc. Photographic case with cover with interlock mat. 4,825,573, 5-2-89, Cl. 40-159.000.

Roberts, Mark J. Apparatus for transferring water from a container to a refrigerator ice maker. 4,848,097, 7-18-89, Cl. 62-135.000.

Roberts, Marvin: *See*—

Sutter, James J.; and Roberts, Marvin, 4,838,554, Cl. 273-143.00R.

Roberts, Melvin F., to Bloomfield Industries, Inc. Decanter with molded interlocking handle. 4,838,463, 6-13-89, Cl. 222-465.100.

Roberts, Melvin F.: *See*—

Pellegrini, Louis; and Roberts, Melvin F., 4,860,906, Cl. 215-12.200.

Roberts, Melvin J.; and Dea, Frank Y., to Mitel Corporation. Telephone tone detector. 4,868,872, 9-19-89, Cl. 379-386.000.

Roberts, Nancy J.: *See*—

Inman, Everett; Roberts, Nancy J.; and Juneja, Prem S., 4,854,333, Cl. 132-209.000.

Roberts, Nicholas C., to British Aerospace Public Limited Company. Optical processing. 4,824,192, 4-25-89, Cl. 350-3.730.

Roberts, Owen P.: *See*—

Modrak, James P.; and Roberts, Owen P., 4,798,757, Cl. 428-198.000.

Modrak, James P.; and Roberts, Owen P., 4,868,031, Cl. 428-198.000.

Roberts, Peter A.; and Finnerty, John D., to College Savings Bank. Method and apparatus for insuring the funding of a future liability of uncertain cost. 4,839,804, 6-13-89, Cl. 364-408.000.

Roberts, Peter D.: *See*—

James, Robert; and Roberts, Peter D., 4,832,070, Cl. 137-65.000.

Roberts, Peter M. Quick release and automatic positive locking mechanism for socket wrenches and extension bars for socket wrenches. 4,848,196, 7-18-89, Cl. 81-177.850.

Roberts, Peter R., to Nuclear Metals, Inc. Brazed porous coating and improved method of joining metal with silver material. 4,813,965, 3-21-89, Cl. 623-66.000.

Roberts, Peter R.; Airey, James J.; Blout, James E.; and Airey, Joseph J., to Nuclear Metals, Inc. Method and apparatus for producing fine metal powder. 4,824,478, 4-25-89, Cl. 75-0.50C.

Roberts, Peter T.: *See*—

Black, Malcolm H.; Frenkel, Alexander D.; and Roberts, Peter T., 4,863,966, Cl. 514-599.000.

Roberts, Randy D.; Carter, Rodney A.; and Ogden, Gary J., to Honeywell, Inc. Single gimbal control moment gyroscope skewed array mounting arrangement. 4,825,716, 5-2-89, Cl. 74-5.340.

Roberts, Raymond P. Calendar pad stand. 4,844,644, 7-4-89, Cl. 402-70.000.

Roberts, Richard A., to Brown & Root, Inc. Press fit pipe joint and method. 4,865,359, 9-12-89, Cl. 285-94.000.

Roberts, Richard D., to Harris Corporation. Apparatus for clock recovery from digital data. 4,862,484, 8-29-89, Cl. 375-110.000.

Roberts, Richard E.: *See*—

McRae, Doris J.; and Roberts, Richard E., 4,847,766, Cl. 364-419.000.

McRae, Doris J.; and Roberts, Richard E., 4,887,920, Cl. 400-63.000.

McRae, Doris J.; and Roberts, Richard E., 4,888,730, Cl. 364-900.000.

Roberts, Richard R.; Frank, Robert J.; Booker, Philip H., III; and Hemner, Rodney A., to Tronomed, Inc. Safety adapter for electrical connector housings. 4,806,112, 2-21-89, Cl. 439-144.000.

Roberts, Robert E. Sun tea adapter for plastic cartons. 4,821,630, 4-18-89, Cl. 99-323.000.

Roberts, Robert E. Disc commutator and brush apparatus for bicycle. 4,823,036, 4-18-89, Cl. 310-237.000.

Roberts, Robert E. Coffee filter selector. 4,836,592, 6-6-89, Cl. 294-1.100.

Roberts, Robert E. Light apparatus for animal pets. 4,875,145, 10-17-89, Cl. 362-103.000.

Roberts, Robert M., to Boeing Company, The. Nutplate installation tool. 4,819,324, 4-11-89, Cl. 29-771.000.

Roberts, Rowena L.: *See*—

Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,810,817, Cl. 560-40.000.

Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,873,359, Cl. 560-40.000.

Roberts, Roy D.; and Young, Norman L., to ILC Technology, Inc. Lens pipe arc lamp. 4,823,043, 4-18-89, Cl. 313-231.610.

Roberts, Ruth C.: *See*—

Smith, Vernon C.; and Roberts, Ruth C., 4,808,459, Cl. 428-95.000.

Roberts, Scott; Tibbitts, Steven; and Snyder, Warren, to National Semiconductor Corporation. Transistor matrix shifter. 4,843,383, 6-27-89, Cl. 340-825.900.

Roberts, Sheldon D.; Samuels, Louann B.; and Shadwick, David T., to International Business Machines Corporation. Stuffed chamber ribbon cartridge. 4,840,503, 6-20-89, Cl. 400-208.000.

Roberts, Simon. Tire repair plug and tool. 4,802,388, 2-7-89, Cl. 81-15.700.

Roberts, Stephen E.: *See*—

Monroe, James C.; Roberts, Stephen E.; and Knoche, Thomas A., 4,829,583, Cl. 382-13.000.

Roberts, Stephen J., to International Computers Limited. Image display apparatus. 4,821,031, 4-11-89, Cl. 340-731.000.

Roberts Systems, Inc.: *See*—

Roberts, John T.; Reid, Philip L.; LaChappell, Philip S.; and Williams, Danny R., 4,854,111, Cl. 53-500.000.

Roberts, Teddy P.; and Rozanski, Walter J., Jr., to Motorola, Inc. Method and apparatus for remote talk/listen communication system. 4,873,711, 10-10-89, Cl. 379-58.000.

Roberts, Teddy P.: *See*—

Reed, John D.; Roberts, Teddy P.; and Berger, Thomas R., 4,876,710, Cl. 379-63.000.

Roberts, Thomas E., to Ford Aerospace & Communications Corporation. Low loss power splitter. 4,875,024, 10-17-89, Cl. 333-127.000.

Roberts, Thomas E.: *See*—

Tsao, Chich-Hsing; and Roberts, Thomas E., 4,843,400, Cl. 343-700.0MS.

Roberts, Thomas J.; and Roberts, Timothy J. Protective garment. 4,837,860, 6-13-89, Cl. 2-51.000.

Roberts, Timothy A., to TruAngle Broadhead Hones, Inc. Honing device. 4,835,910, 6-6-89, Cl. 51-285.000.

Roberts, Timothy J.: *See*—

Roberts, Thomas J.; and Roberts, Timothy J., 4,837,860, Cl. 2-51.000.

Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., to Armco Inc. Method and apparatus for producing one-side electroplated steel strip with enhanced phosphatability. 4,808,278, 2-28-89, Cl. 204-28.000.

Roberts, Timothy R.; Smith, David M.; Gibson, Alan F.; and Robbins, Douglas J., to Armco Inc. Apparatus for producing one-side electroplated steel strip with enhanced phosphatability. 4,814,054, 3-21-89, Cl. 204-207.000.

Roberts, William; and Johansson, Borje, to Uddeholm Tooling Aktiebolag. Tool steel. 4,863,515, 9-5-89, Cl. 75-238.000.

Roberts, William C., Jr.; and Khalid, Syed J., to United Technologies Corporation. Transient control system for gas turbine engine. 4,809,500, 3-7-89, Cl. 60-235.000.

Roberts, William F.; and Collins, Truman D., to Cascade Wood Products Incorporated. Newel post fastener and rail attachment. 4,854,549, 8-8-89, Cl. 256-69.000.

Robertshaw Controls Company: *See*—

Asbill, Clarence M., III, 4,833,924, Cl. 73-861.480.

Buckshaw, Thomas M.; and Llewellyn, David T., 4,800,633, Cl. 29-157.00R.

Everett, Charles J., 4,816,797, Cl. 337-314.000.

Fowler, Daniel L., 4,849,595, Cl. 219-10.55B.

Geary, Frederick J., 4,809,128, Cl. 361-264.000.

Geary, Frederick J., 4,836,770, Cl. 431-46.000.

Geary, Frederick J., 4,856,983, Cl. 431-27.000.

Geary, Frederick J., 4,865,539, Cl. 431-46.000.

Genbauffe, Francis S., 4,813,596, Cl. 236-15.00A.

Genbauffe, Francis S., 4,862,917, Cl. 137-599.200.

Kadwell, Brian J.; Fowler, Daniel L.; and Gawron, Gregory F., 4,829,161, Cl. 219-501.000.

Katchka, Jay R.; Yeaman, George A.; and McKinney, Richard W., 4,872,830, Cl. 431-54.000.

Kelly, Samuel T.; and Katchka, Jay R., 4,830,039, Cl. 137-66.000.

Kennedy, Billy E., 4,848,652, Cl. 236-34.500.

Lichtenberger, William J., 4,843,198, Cl. 200-61.860.

Llewellyn, David T.; and Lichtenberger, William J., 4,883,983, Cl. 307-112.000.

McIntosh, Harold A., 4,875,278, Cl. 29-622.000.

Nguyen, Ledu Q., 4,863,092, Cl. 228-212.000.

Rae, Richard H., 4,845,341, Cl. 219-497.000.

Scott, Douglas R.; Goddard, Peggy L.; and Wagner, Joseph P., 4,799,301, Cl. 29-25.350.

Sepso, Roger P.; and Everett, Charles J., 4,819,442, Cl. 62-187.000.

Sepso, Roger P.; and Halmose, John M., 4,869,290, Cl. 137-513.300.

Shopsky, Harvey J., 4,856,164, Cl. 29-157.10R.

Robertson, Albert W., to Air Stamping, Inc. Combined bearer wiper assembly and finger guard for printing apparatus. 4,870,900, 10-3-89, Cl. 101-216.000.

Robertson, Allan J.; and Gallivan, James B., to American Cyanamid Company. 1,4-Disubstituted-2,3,5,6-tetrahydroxy-1,4-diphosphorinanes and their oxides or sulfides. 4,855,507, 8-8-89, Cl. 568-12.000.

Robertson, Archibald S., Jr., to Foster Wheeler Development Corporation. Parallel staged fluidized bed combustor. 4,802,445, 2-7-89, Cl. 122-4.00D.

Robertson, Bertram D., Jr. Tamper-evident closure. 4,819.819, 4-11-89, Cl. 215-230.000.

Robertson, Brian W.: *See*—

Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Robertson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.

Robertson, Channing R.: *See*—

Gibbons, Ian; Hillman, Robert S.; and Robertson, Channing R., 4,868,129, Cl. 436-179.000.

Robertson, Charles W., Jr.; Dam, Rudy J.; and Prober, James M., to Du Pont de Nemours, E. I., and Company. Scanning fluorescent detection system. 4,833,332, 5-23-89, Cl. 250-458.100.

Robertson, Daniel S.: *See*—

Born, Peter J.; Robertson, Daniel S.; and Young, Ian M., 4,849,639, Cl. 250-483.100.

Robertson, David J.: *See*—

Irwin, George F.; Smelters, Paul J.; Robertson, David J.; and Maginley, Ronald J., 4,873,682, Cl. 370-58.100.

Robertson, David W.; and Wong, David T., to Eli Lilly and Company. 1-Phenylalkylamines as selective serotonin uptake inhibitors. 4,876,282, 10-24-89, Cl. 514-554.000.

Robertson, David W.: *See*—

Beedle, Edward E.; and Robertson, David W., 4,835,181, Cl. 514-524.000.

Robertson, Desmond, to Manufacturing Industries Corporation Pty Ltd. Cable reel cover. 4,850,487, 7-25-89, Cl. 206-399.000.

Robertson, Donald L.: *See*—

Montgomery, Richard L.; and Robertson, Donald L., 4,824,879, Cl. 524-43.000.

Robertson, Douglas D., to Brigham & Women's Hospital. X-ray tomography phantoms, method and system. 4,873,707, 10-10-89, Cl. 378-18.000.

Robertson, Forrest E.; and Williams, Donald E., to Acra-Plant, Inc. Shank mounting assembly for soil opening point. 4,867,248, 9-19-89, Cl. 172-753.000.

Robertson, Frank H., III: *See—*
  Muchnik, Boris J.; and Robertson, Frank H., III, 4,861,671, Cl. 428-457.000.

Robertson, Glenn D.: *See—*
  Efron, Uzi; Braatz, Paul O.; Vasudev, Prahalad K.; and Robertson, Glenn D., 4,826,300, Cl. 350-342.000.

Robertson, Harry J. Automobile window washing apparatus and heat exchanger therefor. 4,832,262, 5-23-89, Cl. 239-129.000.

Robertson, Harry W., IV, to Westvaco Corporation. Method and apparatus for unloading vapor adsorbers. 4,877,426, 10-31-89, Cl. 55-74.000.

Robertson, J. Craig, deceased (by Robertson, Moira M., heir); and Rowland, Mark S., to University of New Mexico. Pulsed neutron detector. 4,814,623, 3-21-89, Cl. 250-390.110.

Robertson, J. Richard, Jr.: *See—*
  Molock, Frank; Robertson, J. Richard, Jr.; and Su, Kai C., 4,859,780, Cl. 548-550.000.

Robertson, James C.; and Baker, William R., to Thrall Car Manufacturing Company. Vehicle wheel chock for securing vehicles during transport. 4,836,726, 6-6-89, Cl. 410-9.000.

Robertson, James D.; and Balthaser, Paul E., to Kwik Kool, Inc. Refrigerant charging tool. 4,852,769, 8-1-89, Cl. 222-83.500.

Robertson, Jeffrey C., to Eastman Kodak Company. Film cassette. 4,832,275, 5-23-89, Cl. 242-71.100.

Robertson, Jeffrey C.; and Fraser, Mark D., to Eastman Kodak Company. Film cassette. 4,834,306, 5-30-89, Cl. 242-71.100.

Robertson, Jeffrey C., to Eastman Kodak Company. Film cassette. 4,848,693, 7-18-89, Cl. 242-71.100.

Robertson, Jeffrey C.: *See—*
  Niedospial, John J., Jr.; Robertson, Jeffrey C.; and Fraser, Mark D., 4,887,112, Cl. 354-275.000.

Robertson, Jeffrey E.: *See—*
  Austin, Edward B.; and Robertson, Jeffrey E., 4,885,684, Cl. 364-300.000.

Robertson, John A., to Telesis Controls Corporation. Electronic code enhancement for code readers. 4,806,741, 2-21-89, Cl. 235-462.000.

Robertson, John A.; and Cyphert, David L., to Telesis Controls Corporation. Marking apparatus with matrix defining locus of movement. 4,808,018, 2-28-89, Cl. 400-121.000.

Robertson, John A., to Telesis Controls Corporation. Apparatus for marking fragile surfaces. 4,870,922, 10-3-89, Cl. 118-702.000.

Robertson, John A., to Telesis Controls Corporation. Dot matrix formed security fonts. 4,883,291, 11-28-89, Cl. 283-117.000.

Robertson, John C.; and Sementilli, Donald A., to General Signal Corporation. Conduit body assembly cover. 4,867,334, 9-19-89, Cl. 220-243.000.

Robertson, John G.: *See—*
  Duck, Peter; Bender, Robert; Crosby, William; and Robertson, John G., 4,876,187, Cl. 435-6.000.

Robertson, John W., Jr.: *See—*
  Fry, John J.; Robertson, John W., Jr.; and Bastijanic, Edward, 4,875,000, Cl. 318-798.000.
  Jewett, Scotty Y.; Robertson, John W., Jr.; and Woolbert, Gordon D., 4,846,410, Cl. 241-31.000.
  Woolbert, Gordon D.; Jewett, Scotty Y.; and Robertson, John W., Jr., 4,852,384, Cl. 73-1.00G.

Robertson, Kenneth L., to Ken-Koat, Inc. Electrostatic coating of rubbber-to-metal adhesive on metal parts. 4,810,521, 3-7-89, Cl. 427-31.000.

Robertson, Malcolm S. Garden or sun umbrellas. 4,807,655, 2-28-89, Cl. 135-22.000.

Robertson, Martha L.: *See—*
  McElrath, Kenneth O.; Robertson, Martha L.; and Chow, Wai Y., 4,839,422, Cl. 525-74.000.

Robertson, Michael O.: *See—*
  Coulter, John E.; Evans, Robert S.; and Robertson, Michael O., 4,858,462, Cl. 73-40.50A.
  Evans, Robert S.; Latham, Wayne M.; Powers, Thomas; and Robertson, Michael O., 4,859,943, Cl. 324-216.000.

Robertson, Moira M., heir: *See—*
  Robertson, J. Craig, deceased; and Rowland, Mark S., 4,814,623, Cl. 250-390.110.

Robertson, Perry J.: *See—*
  Faris, Aziz I.; and Robertson, Perry J., 4,885,480, Cl. 307-448.000.

Robertson, Peter M.; and Suter, Erwin, to Zellweger Uster Ltd. Apparatus for carrying out a titration procedure for the chemical analysis of a sample. 4,873,057, 10-10-89, Cl. 422-75.000.

Robertson, Robert A., to Spirax Sarco Limited. Flowmeters. 4,875,377, 10-24-89, Cl. 73-861.020.

Robertson, Ronald C.: *See—*
  Barrett, Lawrence R.; Robertson, Ronald C.; and Sullivan, Mark A., 4,857,811, Cl. 318-3.000.

Robertson, Steven P.: *See—*
  Brenneman, Allen J.; Buck, Harvey B., Jr.; Pugh, Jerry T.; and Robertson, Steven P., 4,798,577, Cl. 494-67.000.

Robertson, Stuart H.: *See—*
  Davies, Geoffrey J.; Hedges, Lesley K.; and Robertson, Stuart H., 4,883,648, Cl. 423-290.000.

Robertson, Taggart H.: *See—*
  Aranda, Michael A.; Ebbers, Timothy J.; Iida, Yoshio; Lindgren, Terence W.; and Robertson, Taggart H., 4,878,182, Cl. 364-518.000.

Robertson, Walter J.: *See—*
  Hammel, Joseph J.; Robertson, Walter J.; Marshall, William P.; Barch, Herbert W.; Daas, Balbhadra; Smoot, Michael A.; and Beaver, Richard P., 4,842,620, Cl. 55-16.000.

Robertson, Warren A. Cryogenic refrigeration apparatus. 4,879,876, 11-14-89, Cl. 62-6.000.

Robertson-Wilcox, Sylvia E.: *See—*
  Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J.; Arconti, Richard J.; and Hsu, Wen L., 4,845,165, Cl. 526-78.000.

Robertson, William B., to Xerox Corporation. Sheet reversing apparatus. 4,842,263, 6-27-89, Cl. 271-186.000.

Robertson, William G., to Santa Barbara Medical Foundation Clinic. Ileostomy valve having a rotatable shut off. 4,804,375, 2-14-89, Cl. 604-323.000.

Robertson, William J.: *See—*
  Gladstone, David H.; Langlois, Raymond; and Robertson, William J., 4,843,946, Cl. 89-15.000.

Robertson, William M.; Burke, Edward J.; and Clark, Randy L. Video tape storage cabinet. 4,838,911, 6-13-89, Cl. 62-3.300.

Robertson, William M.: *See—*
  Marlow, Raymond; Robertson, William M.; and Burke, Edward J., 4,883,538, Cl. 106-287.130.

Robertson, William S.: *See—*
  Pike, Wilson C.; and Robertson, William S., 4,847,106, Cl. 426-629.000.

Robeson Industries Corp.: *See—*
  Yamamoto, Isao; Iida, Akio; and Kikuchi, Kaoru, 4,846,643, Cl. 425-7.000.

Robeson, John D.; Carlson, Roger W.; and Fritts, Rex E., to Amana Refrigeration, Inc. Control system with hidden reprogramming switch. 4,831,226, 5-16-89, Cl. 219-10.55B.

Robeson, Lloyd M.: *See—*
  Dickinson, Barry L.; and Robeson, Lloyd M., 4,861,837, Cl. 525-394.000.
  Gardner, Hugh C.; Colon, Ismael; and Robeson, Lloyd M., 4,837,256, Cl. 524-141.000.
  Harris, James E.; and Robeson, Lloyd M., 4,804,723, Cl. 525-535.000.
  Harris, James E.; and Robeson, Lloyd M., 4,804,724, Cl. 525-471.000.
  Harris, James E.; Matzner, Markus; and Robeson, Lloyd M., 4,879,354, Cl. 525-425.000.
  Kuphal, Jeffrey A.; Robeson, Lloyd M.; and Weber, James J., 4,874,030, Cl. 164-34.000.
  Matzner, Markus; Kwiatkowski, George T.; and Robeson, Lloyd M., 4,870,153, Cl. 528-125.000.

Robey, Herbert L., to Cyanide Destruct Systems, Inc. Reactor and heat exchanger system for cyanide waste water treatment. 4,877,519, 10-31-89, Cl. 210-86.000.

Robey, Judith L.: *See—*
  Trinh, Eugene H.; and Robey, Judith L., 4,858,717, Cl. 181-0.500.

Robey, Raymond J.: *See—*
  Kearns, John J.; Tremblay, Paul A.; Robey, Raymond J.; and Sunder, Swaminathan, 4,814,111, Cl. 260-403.000.

Robichaud, Allen J. Combination tool for wallboard and insulation applications. 4,868,943, 9-26-89, Cl. 7-166.000.

Robichaud, David M. Birth control device. 4,794,920, 1-3-89, Cl. 128-844.000.

Robichon, Gilles; and Parly, Didier, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E. Controllable frequency, temperature compensated piezoelectric oscillator of high spectral purity. 4,833,426, 5-23-89, Cl. 331-158.000.

Robicsek, Francis; and Morency, Richard P., to Heineman Medical Research Center, A part interest. Apparatus and method for activating a pump in response to optical signals from a pacemaker. 4,827,906, 5-9-89, Cl. 128-1.00D.

Robidart, Michael S.: *See—*
  Sorensen, Scott; and Robidart, Michael S., 4,807,054, Cl. 360-104.000.

Robieux, Jean: *See—*
  Bernard, Jean-Jacques; and Robieux, Jean, 4,864,310, Cl. 342-368.000.

Robillart Lampin, Jeannine, heir: *See—*
  Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.

Robin, Allen M.: *See—*
  Becker, Michael W.; Robin, Allen M.; and Stevenson, John S., 4,828,579, Cl. 48-69.000.
  Najjar, Mitri S.; and Robin, Allen M., 4,880,439, Cl. 48-197.00R.

Robin, Jacques; Pruneau, Didier; and Bellamy, Francois, to Fournier Innovation et Synergie. Asymmetrical ester derivatives of 1,4-dihydrophyridine-3,5-dicarboxylic acid. 4,806,544, 2-21-89, Cl. 514-278.000.

Robin, Jean, to Rhone-Poulenc Specialites Chimiques. Storage-stable organic solutions of polyisocyanates. 4,828,753, 5-9-89, Cl. 252-182.200.

Robin, Jean; and Blind, Andre, to Rhone-Poulenc Chimie. Substantially pure isocyanurate/polyisocyanates. 4,864,025, 9-5-89, Cl. 544-222.000.

Robin, Jean; and Blind, Andre, to Rhone-Poulenc Chimie. Isolation/purification of isocyanate condensates by extraction with liquid or supercritical gas. 4,871,460, 10-3-89, Cl. 210-634.000.

Robin, Jean: *See—*
  Blind, Andre; Collas, Gerard; Robin, Jean; and Sagi, Ferenc, 4,871,828, Cl. 528-44.000.

Robin, Jean-Francois: *See—*
  Jaffre, Pierre; Le Mouel, Bernard; Robin, Jean-Francois; and Thepaut, Pierre, 4,805,190, Cl. 375-17.000.

Robin, Jean-Pierre; and Landais, Yannick, to Universite du Maine (Le Mans). Ruthenium catalyst for biarylic coupling; new steganolides. 4,873,349, 10-10-89, Cl. 549-298.000.

Robin, Leon; and Roger, Dominique, to Thomson - CSF. Friend-foe interrogation method and a system using this method. 4,814,769, 3-21-89, Cl. 342-45.000.

Robin, Mark L.: *See—*
  Halpern, Donald F., and Robin, Mark L., 4,855,511, Cl. 568-683.000.
  Halpern, Donald F., and Robin, Mark L., 4,874,901, Cl. 568-683.000.
  Halpern, Donald F., and Robin, Mark L., 4,888,139, Cl. 562-840.000.

Robin, Max S.: *See—*
  Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., 4,806,107, Cl. 439-79.000.

Robin, Michel; and Demay, Claude, to Institut Francais du Petrole; and Atochem. Process for improving the gas sweeping of an oil formation, using foams mainly containing surfactants with perfluoric groups. 4,836,281, 6-6-89, Cl. 166-272.000.

Robine, Magali: *See—*
  Jarrin, Jacques; Robine, Magali; and Durand, Jean-Pierre, 4,882,404, Cl. 526-261.000.

Robinet, Jean-Claude, to Norsolor. Polymeric composition with high impact strength. 4,868,036, 9-19-89, Cl. 428-220.000.

Robins, David G., to Ciba-Geigy Corporation. Automatic sampling device. 4,809,748, 3-7-89, Cl. 137-625.110.

Robins, Floyd D. Turn and tilt easel. 4,834,334, 5-30-89, Cl. 248-441.

Robins, Janis: *See—*
  Tarbutton, Kent S.; Robins, Janis; and Tangen, John C., 4,810,323, Cl. 156-307.300.
  Tarbutton, Kent S.; and Robins, Janis, 4,846,905, Cl. 525-65.000.

Robins, Roger C.: *See—*
  Lower, William E.; McCauley, W. Nash; Mitchell, Stephen C.; Robins, Roger C.; and Schmidt, Steven A., 4,802,591, Cl. 209-680.000.

Robins, Roland K.; Revankar, Ganapathi R.; and Chang, Yu-an, to Nucleic Acid Research Institute. 8-Chloroadenosine 3', 5'-cyclic monophosphate preparations. 4,861,873, 8-29-89, Cl. 536-27.000.

Robins, Roland K.; and Cottam, Howard B., to Brigham Young University. Antiviral methods utilizing ribofuranosylthiazolo[4,5-d]pyrimidine derivatives. 4,880,784, 11-14-89, Cl. 514-48.000.

Robins, Roland K.: *See—*
  Cook, Phillip D.; Robins, Roland K.; and McNamara, Dennis J., 4,826,823, Cl. 514-46.000.

Robinsky, Eli I., to R & L Filtration Limited. Backwash system for filter-thickeners. 4,861,498, 8-29-89, Cl. 210-791.000.

Robinson, Alan S.; and Fuller, Mark W., to Wet Enterprises, Inc. Colored flame water fountain illumination system. 4,858,826, 8-22-89, Cl. 239-18.000.

Robinson, Alan S.; and Fuller, Mark W., to Wet Enterprises, Inc. Venturi-less water nozzle. 4,872,611, 10-10-89, Cl. 239-18.000.

Robinson, Alan S.: *See—*
  Fuller, Mark; and Robinson, Alan S., 4,817,312, Cl. 40-439.000.
  Fuller, Mark; and Robinson, Alan S., 4,889,283, Cl. 239-11.000.
  Fuller, Mark W.; and Robinson, Alan S., 4,852,801, Cl. 239-12.000.

Robinson, Allen C., to MacMillan Bloedel Limited. Drill magazine. 4,834,195, 5-30-89, Cl. 175-52.000.

Robinson, Anthony D.: *See—*
  Binge, Derek S.; and Robinson, Anthony D., 4,864,784, Cl. 52-108.000.

Robinson, Anthony J. Holographic display apparatus. 4,830,445, 5-16-89, Cl. 350-3.850.

Robinson, Anthony J. Holographic analogue indicating means. 4,834,475, 5-30-89, Cl. 350-3.750.

Robinson, Beale A.: *See—*
  Brayer, Randall R.; Robinson, Beale A.; and Springford, Richard H., 4,815,511, Cl. 152-209.00R.

Robinson, Bernard L.; and Pickard, George L., to Homestead Products, Inc. Anchoring of truck bed liners. 4,796,942, 1-10-89, Cl. 296-39.200.

Robinson, Billie D. Fish cooler access means. 4,845,886, 7-11-89, Cl. 43-55.000.

Robinson, Charles F.: *See—*
  Weir, Donald H.; and Robinson, Charles F., 4,797,957, Cl. 4-506.000.

Robinson, Clell, Sr. Tunnel system for care or seeds, plants and the like. 4,856,228, 8-15-89, Cl. 47-29.000.

Robinson, Colin; Eastlick, David T.; and Bownass, Audrey J., to Glaxo Group Limited. Process for the separation of a mixture of "syn" and "anti" oxime isomers. 4,876,351, 10-24-89, Cl. 548-204.000.

Robinson, David B.; and Penny, William H., to SciMed Life Systems, Inc. Manifold for angioplasty balloon catheter. 4,838,269, 6-13-89, Cl. 128-344.000.

Robinson, Deborah L.: *See—*
  Sipes, Donald L., Jr.; and Robinson, Deborah L., 4,841,528, Cl. 372-22.000.

Robinson, Delmar W.: *See—*
  Cohn, Michelle J.; Robinson, Delmar W.; and Lawson, R. Joe, 4,810,683, Cl. 502-37.000.

Robinson, Donald G.: *See—*
  Kaesler, Ralph W.; Robinson, Donald G.; Moss, Wayne L.; and Failon, Brian K., 4,800,071, Cl. 423-321.00R.

Robinson, Donald M.: *See—*
  Hayek, George W.; Brown, Amos J.; Hamblin, John R.; and Robinson, Donald M., 4,858,592, Cl. 126-373.000.

Robinson, Edgar C., to International Thermal Research, Ltd. Multi-viscosity metering valve. 4,807,850, 2-28-89, Cl. 251-206.000.

Robinson, Edward A.; and McLeod, Jesse, to Raque Food Systems, Inc. Packaging device and method. 4,807,424, 2-28-89, Cl. 53-432.000.

Robinson, Edward A.: *See—*
  Raque, Glen F.; and Robinson, Edward A., 4,823,988, Cl. 222-148.000.

Robinson, Elizabeth M.: *See—*
  Cabral, Joaquim M. S.; Robinson, Elizabeth M.; and Cooney, Charles L., 4,830,753, Cl. 210-638.000.

Robinson, F. J.: *See—*
  Robb, Francine Y.; Robinson, F. J.; Svechovsky, Bridget; and Wood, Thomas E., 4,847,214, Cl. 437-67.000.

Robinson, Frederick J.: *See—*
  Mattox, Robert J.; and Robinson, Frederick J., 4,801,350, Cl. 156-643.000.

Robinson, Herbert L.; and Epstein, Allen S., to Med-Struments, Inc. Illuminating tongue depressor. 4,807,599, 2-28-89, Cl. 128-16.000.

Robinson, Howard W., to GH Hensley Industries, Inc. Resilient flex pin apparatus for excavating tooth point and adapter assemblies. 4,823,487, 4-25-89, Cl. 37-142.00A.

Robinson, James C.: *See—*
  Grimsley, S. Allen; Robinson, James C.; and Schroeder, Mark A., 4,863,564, Cl. 162-53.000.
  Grimsley, S. Allen; Robinson, James C.; and Schroeder, Mark A., 4,871,423, Cl. 162-72.000.

Robinson, James L. Portable blind apparatus. 4,825,578, 5-2-89, Cl. 43-1.000.

Robinson, James N.; Wood, Gary L.; Morrey, Kevin P.; and Bossert, Clayton E., to Ring, Thomas J. Therapeutic table. 4,866,796, 9-19-89, Cl. 5-62.000.

Robinson, James N.: *See—*
  Alsip, Allen W.; Robinson, James N.; and Bossert, Clayton E., 4,852,193, Cl. 5-61.000.

Robinson, Jeffery H.; and Dodd, Ian, to Beecham Group p.l.c. Plasmin A-chain urokinase B-chain hybrid protein. 4,880,776, 11-14-89, Cl. 514-2.000.

Robinson, Jeffrey A.: *See—*
  Cote, William J.; Kenney, Donald M.; Kerbaugh, Michael L.; Leach, Michael A.; Robinson, Jeffrey A.; and Sweetser, Robert W., 4,838,991, Cl. 156-643.000.

Robinson, Jeffrey I., to General DataComm Industries, Inc. Active transconductance filter device. 4,839,542, 6-13-89, Cl. 307-520.000.

Robinson, John, to Evans & Sutherland Computer Corporation. System for texturing computer graphics images. 4,855,934, 8-8-89, Cl. 364-521.000.

Robinson, John C.: *See—*
  Lavendel, Henry W.; and Robinson, John C., 4,806,431, Cl. 428-450.000.
  Lavendel, Henry W.; and Robinson, John C., 4,810,532, Cl. 148-245.000.
  Lavendel, Henry W.; and Robinson, John C., 4,818,625, Cl. 428-457.000.

Robinson, John E. Cue tip chalk retention system. 4,867,446, 9-19-89, Cl. 30-494.000.

Robinson, John R.; and Richard, Daniel J., to Nike, Inc. Asymmetric shoe. 4,876,806, 10-31-89, Cl. 36-114.000.

Robinson, John S.: *See—*
  Haushalter, Frederick W.; and Robinson, John S., 4,883,144, Cl. 181-198.000.

Robinson, John W.: *See—*
  Hefner, Robert E., Jr.; and Robinson, John W., 4,851,483, Cl. 525-502.000.
  Hefner, Robert E., Jr.; Robinson, John W.; and Earls, Jimmy D., 4,883,844, Cl. 525-472.000.
  Kaganowicz, Grzegorz; Robinson, John W.; and Ipri, Alfred C., 4,804,640, Cl. 437-236.000.

Robinson, Joseph R., to Bio-Mimetics, Inc. Bioadhesive composition and method of treatment therewith. 4,795,436, 1-3-89, Cl. 424-422.000.

Robinson, Judith: *See—*
  Kang, Karam S.; Munn, Stephen; Robinson, Judith; and Maher, Eamonn F., 4,804,275, Cl. 374-162.000.

Robinson, Keith J.: *See—*
  Cassola, Adrian; Kwok, John C.; Robinson, Keith J.; Smith, Brian H. A.; and Longuet, Michel, 4,877,832, Cl. 525-64.000.

Robinson, Larry A.; and Robinson, Richard R., to Tidel Systems, Inc. Currency sorter and storage device. 4,877,235, 10-31-89, Cl. 271-279.000.

Robinson, Laurence J.: *See—*
  Sawyers, Craig G.; and Robinson, Laurence J., 4,828,387, Cl. 356-319.000.

Robinson, Mark D.; and Farrell, Eugene A., to Carthage Machine Co., Div. of Industrial General Corp. Cassette knife for chipper. 4,887,772, 12-19-89, Cl. 241-92.000.

Robinson, Mark L.: *See—*
Matlock, David K.; Riendeau, Michael P.; and Robinson, Mark L., 4,883,545, Cl. 148-12.00B.
Robinson, Martin G.: *See—*
Hall, James B.; Robinson, Martin G.; and Swift, Ronald C., 4,878,988, Cl. 156-600.000.
Robinson, McDonald; and Ozias, Albert E., to Epsilon Technology, Inc. Heating system for reaction chamber of chemical vapor deposition equipment. 4,836,138, 6-6-89, Cl. 118-666.000.
Robinson, McDonald: *See—*
Crabb, Richard; Robinson, McDonald; Hawkins, Mark R.; Goodwin, Dennis L.; Ferro, Armand P.; Ozias, Albert E.; and deBoer, Wiebe B., 4,828,224, Cl. 251-298.000.
deBoer, Wiebe B.; Jensen, Klavs F.; Johnson, Wayne L.; Read, Gary W.; and Robinson, McDonald, 4,798,165, Cl. 118-715.000.
Goodwin, Dennis L.; Hawkins, Mark R.; Johnson, Wayne L.; Olsen, Aage; and Robinson, McDonald, 4,874,464, Cl. 156-646.000.
Robinson, Melville W., Jr. Process for removing sulfur dioxide from flue gases. 4,861,568, 8-29-89, Cl. 423-243.000.
Robinson, Merritt A.: *See—*
Anderson, Yohann; and Robinson, Merritt A., 4,832,302, Cl. 248-443.000.
Loran, William; and Robinson, Merritt A., 4,848,295, Cl. 123-222.000.
Robinson, Michael W.: *See—*
Peters, John R.; Ramey, Max E.; Seyffert, Arturo E.; Canon, Jack L.; Robinson, Michael W.; and Abercrombie, William T., 4,869,555, Cl. 299-7.000.
Robinson, Paul J. Intraocular lens. 4,816,030, 3-28-89, Cl. 623-6.000.
Robinson, Paul R.; and Simpson, Howard D., to Union Oil Company of California. Hydroprocessing catalyst with a Ni-P-Mo. 4,846,961, 7-11-89, Cl. 208-216.0PP.
Robinson, Peter M.; Raby, Philip D.; and Van-Det, Nguyen, to Exxon Chemical Patents Inc. Freeze-thaw stable polyacrylamide emulsions. 4,845,138, 7-4-89, Cl. 524-112.000.
Robinson, Peter W.; Shapiro, Eugene; and Brenneman, William L., to Olin Corporation. Composites having improved resistance to stress relaxation. 4,810,310, 3-7-89, Cl. 148-11.50C.
Robinson, Phillip J.: *See—*
Jones, Winton D.; Claxton, George P.; Dage, Richard C.; Cheng, Hsien C.; and Robinson, Phillip J., 4,886,811, Cl. 514-314.000.
Robinson, Ralph L.: *See—*
Stewart, Eugene A.; and Robinson, Ralph L., 4,800,502, Cl. 364-467.000.
Robinson, Raymond S.: *See—*
Kaufman, Harold R.; and Robinson, Raymond S., 4,862,032, Cl. 313-359.100.
Kaufman, Harold R.; and Robinson, Raymond S., 4,873,467, Cl. 313-360.100.
Robinson, Richard A.; and Brown, William E., to Hallmark Cards, Incorporated. Process for placing single or multiple patterned layers of conductive material on a substrate. 4,869,767, 9-26-89, Cl. 156-233.000.
Robinson, Richard A.: *See—*
Kwan, Jaime T. F.; and Robinson, Richard A., 4,804,130, Cl. 228-6.200.
Robinson, Richard D.; Willoughby, Robert A.; and Thorp, Phil D., to Aro Corporation, The. Torque sensing, automatic shut-off and reset clutch for toggle controlled screwdrivers, nutsetters and the like. 4,844,177, 7-4-89, Cl. 173-12.000.
Robinson, Richard R.: *See—*
Robinson, Larry A.; and Robinson, Richard R., 4,877,235, Cl. 271-279.000.
Robinson, Robert C., to Dover Cylinder Head Service. Apparatus for testing water jackets on cylinder heads of internal combustion engines. 4,860,575, 8-29-89, Cl. 73-49.700.
Robinson, Robert L.; Graves, Thomas J.; and Hoffman, William C., III, to United States of America, National Aeronautics and Space Administration. Four-terminal connector for measuring resistance of a pyrotechnic initiator. 4,829,235, 5-9-89, Cl. 324-64.000.
Robinson, Steven P.: *See—*
Julien, Gerald J.; and Robinson, Steven P., 4,878,565, Cl. 188-378.000.
Robinson, Theodore S.: *See—*
Thomas, Jeffrey A.; Robinson, Theodore S.; Ertl, Robert A.; and Christensen, Harold F., Jr., 4,881,163, Cl. 364-200.000.
Robinson, Thomas N.: *See—*
Olson, Anthony M.; Robinson, Thomas N.; and Rajaram, Babu, 4,847,758, Cl. 364-200.000.
Robinson, Thomas S.: *See—*
Goolsbey, Michael A.; Jones, Eugene R.; Micka, William F.; and Robinson, Thomas S., 4,817,186, Cl. 382-9.000.
Robinson, Tibor; and Wolf, Rainer, to Sandoz Ltd. Flameproofing compounds. 4,883,615, 11-28-89, Cl. 428-423.100.
Robinson, Tibor: *See—*
Kissling, Bruno; and Robinson, Tibor, 4,838,896, Cl. 8-554.000.
Robinson, Wayne: *See—*
Vergeer, Henry C.; Jones, Murray W.; and Robinson, Wayne, 4,813,233, Cl. 60-286.000.
Robinson, William C.; and Sanford, Norman A., to Polaroid Corporation. Optical modulation device. 4,887,878, 12-19-89, Cl. 350-96.130.
Robinson, William L., to United States of America, Army. 3-D packaging of focal plane assemblies. 4,877,752, 10-31-89, Cl. 437-51.000.
Robinson, William M.; and Small, Michele B., to Raychem Corporation. Method of twisting the conductors of electrical wires. 4,865,04 9-12-89, Cl. 140-118.000.
Robinson, William P.: *See—*
Parker, Norman W.; Turnbull, William G.; and Robinson, William P., 4,818,872, Cl. 250-309.000.
Robirds, Timothy G.; Petrisko, John D.; Patel, Nagar J.; and Aglieri, William Q., to Westinghouse Electric Corp. Drawout switchgear cel frame. 4,814,942, 3-21-89, Cl. 361-337.000.
Robishaw, Alces P.; and Robishaw, Paul A. Construction transportation system. 4,811,681, 3-14-89, Cl. 114-267.000.
Robishaw Engineering, Inc.: *See—*
Robishaw, Paul A.; and Page, Reginald B., 4,809,636, C 114-267.000.
Robishaw, Paul A.; and Page, Reginald B., to Robishaw Engineering, Inc. Construction transportation assembly. 4,809,636, 3-7-89, C 114-267.000.
Robishaw, Paul A.: *See—*
Robishaw, Alces P.; and Robishaw, Paul A., 4,811,681, C 114-267.000.
Robison, Peter D.; and Stipanovic, Arthur J., to Texaco Inc. Method for oil recovery using a modified heteropolysaccharide. 4,874,04 10-17-89, Cl. 166-275.000.
Robison, Robert L., to Eli Lilly and Company. Vancomycin-HCl solutions and the lyophilization thereof. 4,885,275, 12-5-89, C 514-8.000.
Robison, Vincent R. Spare tire carrier. 4,811,874, 3-14-89, C 224-42.210.
Robitaille, Michel: *See—*
Belanger, Andre ; Gauthier, Michel; and Robitaille, Michel 4,824,746, Cl. 429-218.000.
Robitaille, Thierry, to Sappel. Device for making flowmeter tamper-proof. 4,811,600, 3-14-89, Cl. 73-272.00R.
Robitschko, Peter; Kneib, Rudi; and Polic, Marko, to Daimler-Benz Aktiengesellschaft. Anti-theft arrangement for a sound-reproducing apparatus installed into a mounting compartment of a motor vehicle 4,805,233, 2-14-89, Cl. 455-346.000.
Robitschko, Peter; Claar, Klaus; Deischl, Hans; and Schumacher, Josef to Daimler-Benz Aktiengesellschaft. Control system for a combined central locking and burglar alarm system for vehicles. 4,887,06 12-12-89, Cl. 340-430.000.
Robitschko, Peter: *See—*
Holzhauer, Horst; Weikert, Gunther; Kneib, Rudi; Polic, Marko Robitschko, Peter; and Reinhard, Theodor, 4,866,416, C 340-426.000.
Robl, Jeffrey A.: *See—*
Hwu, Jih R.; and Robl, Jeffrey A., 4,855,437, Cl. 548-241.000.
Roboptek, Inc.: *See—*
Baker, Gregory G.; and Boyle, Edward F., 4,880,348, C 414-783.000.
Roboserve Limited: *See—*
Cox, Harold S., 4,808,448, Cl. 428-36.500.
Robot Coupe S.A.: *See—*
Fleche, Michel, 4,821,968, Cl. 241-37.500.
Robot Foto und Electronic GmbH & Co. KG: *See—*
Knisch, Konrad, 4,866,438, Cl. 340-936.000.
Robot Foto und Electronic GmbH U. Co. KG: *See—*
Gross, Mario, 4,887,080, Cl. 340-937.000.
Robotic Vision Systems: *See—*
Stern, Howard, 4,858,172, Cl. 364-160.000.
Robotic Vision Systems, Inc.: *See—*
Costin, Dinu; and Citron, Howard, 4,802,800, Cl. 409-131.000.
Hecker, Joel; Stern, Howard; and Heydenburg, Tom, 4,830,443, C 350-3.710.
Ross, Joseph; and Stern, Howard, 4,804,860, Cl. 307-117.000.
Schmidt, Richard, 4,822,163, Cl. 356-1.000.
Schmidt, Richard Q., 4,854,698, Cl. 356-5.000.
Stern, Howard; Mauro, Alex; Maali, Fereydoun; and Holmes Frank, 4,845,639, Cl. 364-513.000.
Robson, Anthony J.: *See—*
Ward, Christopher R.; and Robson, Anthony J., 4,806,939, C 342-378.000.
Robson, Dale L.: *See—*
Kaufman, Stephen B.; and Robson, Dale L., 4,842,028, C 141-114.000.
Robson, Ian A.: *See—*
Oswald, Thomas; and Robson, Ian A., 4,860,828, Cl. 166-274.000.
Robson, Jerry L., to Witty Inventions, Inc. Storage rack and the like 4,867,318, 9-19-89, Cl. 211-41.000.
Robson, John H.: *See—*
Briggs, John R.; and Robson, John H., 4,822,925, Cl. 568-853.00
Robson, Michael H., to General Dynamics Corporation/Pomona Division. Bell housing sealing assembly for mounted connector. 4,822,29 4-18-89, Cl. 439-271.000.
Robson, Michael J.; and Williams, John, to Imperial Chemical Industries PLC. Halogenated esters. 4,853,414, 8-1-89, Cl. 514-531.000.
Robson, Michael J., to Imperial Chemical Industries PLC. 2-chloro-3,6-difluoro-benzyl halide. 4,879,423, 11-7-89, Cl. 570-127.000.
Robson, Robert, to Exxon Research & Engineering Co. Lubricating compositions. 4,801,390, 1-31-89, Cl. 252-25.000.
Robson, Ronald R.: *See—*
Hancock, Donald J.; and Robson, Ronald R., 4,835,669, C 363-21.000.
Robson, Thomas, to Xerox Corporation. Apparatus for printing fi and variable indicia. 4,835,570, 5-30-89, Cl. 346-160.000.

Robson, Thomas, to Wadkin plc. Machines for cutting end joints. 4,856,569, 8-15-89, Cl. 144-91.000.
Robson, Thomas, to Wadkin PLC. Spindle moulder. 4,869,302, 9-26-89, Cl. 144-3.00R.
Robugen GmbH Pharmazeutische Fabrik: *See—*
Hempel, Bernd; and Kaul, Ravindernath, 4,851,391, Cl. 514-50.000.
Robustelli, Albert G.: *See—*
Ryles, Roderick G.; Robustelli, Albert G.; and Cicchiello, James V., 4,825,949, Cl. 166-294.000.
Robusto, Paul F.: *See—*
Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., 4,813,127, Cl. 29-825.000.
Braski, Michael T.; Wissman, Charles H.; Tilton, Richard A.; and Robusto, Paul F., 4,879,721, Cl. 372-18.000.
Roby, Gerard: *See—*
Sarton, Francois; and Roby, Gerard, 4,889,299, Cl. 248-72.000.
Roby, Robert E.: *See—*
Collins, Michael S.; and Roby, Robert E., 4,801,450, Cl. 424-87.000.
Roby Teknik AB: *See—*
Ignell, Rolf, 4,819,710, Cl. 164-423.000.
Roby Teknik Aktiebolag: *See—*
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Robyn, Pierre: *See—*
Mottet, Leon-Philippe; Robyn, Pierre; and Laroche, Pierre, 4,818,574, Cl. 427-422.000.
Roc Triad International Co., Ltd.: *See—*
Der-Ming, Juang, 4,825,699, Cl. 73-740.000.
Rocamat: *See—*
D'Epenoux, Francois, 4,811,537, Cl. 52-385.000.
Rocazella, Michael A.: *See—*
Kanter, Robert C.; Rocazella, Michael A.; Weinstein, Jerry G.; and White, Danny R., 4,818,734, Cl. 501-128.000.
Rocca, Charles J.: *See—*
Block, Timothy R.; Soderstrom, Ronald L.; Heiling, Gerald M.; and Rocca, Charles J., 4,850,044, Cl. 455-607.000.
Rocca, Fabio; Cafforio, Ciro; and Prati, Claudio, to Selenia, Industrie Elettroniche Associate S.p.A. Signal processor for synthetic aperture radar, particularly for parallel computation. 4,866,448, 9-12-89, Cl. 342-25.000.
Rocchetti, Frankie. Space age dog and cat collar. 4,841,915, 6-27-89, Cl. 119-106.000.
Rocchi, Dominique: *See—*
Daverio, Jean-Claude; and Rocchi, Dominique, 4,829,836, Cl. 73-866.500.
Daverio, Jean-Claude; and Rocchi, Dominique, 4,836,509, Cl. 266-99.000.
Rocchi, Marc, to U.S. Philips Corporation. Circuit for performing the EXCLUSIVE-OR function. 4,870,305, 9-26-89, Cl. 307-471.000.
Rocchi, Remo: *See—*
Conta, Renato; Rocchi, Remo; and Scardovi, Alessandro, 4,834,637, Cl. 425-110.000.
Rocchini, Carlo A.: *See—*
Valeri, Marco; and Rocchini, Carlo A., 4,813,012, Cl. 364-900.000.
Rocci, Joseph A.; Crosetto, John; Earle, Kent L.; and Kirby, David W., to Etcon Corporation. Wire length meter suppling current to a wire from which a signal representative of length is derived. 4,797,604, 1-10-89, Cl. 324-65.00R.
Rocci, Joseph D.; and Quelly, Michael L., to AM Communications, Inc. RF network isolation switch. 4,810,898, 3-7-89, Cl. 307-115.000.
Rocco, Francesco, to Hoechst Italia Sud SpA. Kidney-ureter catheter assembly for evacuation of crumbled calculi. 4,834,702, 5-30-89, Cl. 604-43.000.
Rocco, Jean-Claude: *See—*
Gualandris, Rene; Ludwig, Paul; Rocco, Jean-Claude; and Zadworny, Francois, 4,859,909, Cl. 315-111.810.
Rocep Lusol Holdings Limited: *See—*
Frutin, Bernard D., 4,826,054, Cl. 222-402.110.
Roch, Gertrud B.: *See—*
Hochstrasser, Walter P.; Roch, Gertrud B.; Venturini, Yves; and Baruffa, Olindo, 4,809,450, Cl. 38-36.000.
Roch, Roger; Chablais, Claude; and Vitous, Vaclav, to Bobst SA. Method and device for controlling the setting of the components of a printing and cutting machine. 4,847,775, 7-11-89, Cl. 364-469.000.
Rocha, Hermano P.: *See—*
Gingello, Anthony D.; and Rocha, Hermano P., 4,808,516, Cl. 430-591.000.
Rochard, Jean-Claude, to Salomon, S.A. Apparatus for lateral guidance of a ski boot, attached at its front end, to a cross-country ski. 4,842,293, 6-27-89, Cl. 280-615.000.
Rochat, Alain C.: *See—*
Wallquist, Olof; Iqbal, Abul; Pfenninger, Johannes; and Rochat, Alain C., 4,810,802, Cl. 548-453.000.
Rochat, Roxanna F.: *See—*
Taylor, Joann M.; McManus, Paul A.; Murch, Gerald M., Rochat, Roxanna F.; and Weiman, Novia A., 4,843,573, Cl. 364-521.000.
Roche, Alain: *See—*
Charbonnier, Jean-Claude; Roche, Alain; Romand, Maurice; Lenoir, Janine; and Sahakian, Eric, 4,844,748, Cl. 148-254.000.
Roche, Annie-Claude: *See—*
Monsigny, Michel; and Roche, Annie-Claude, 4,801,578, Cl. 514-8.000.
Roche, David L.: *See—*
Gherman, Steven B.; and Roche, David L., 4,823,670, Cl. 84-318.000.
Roche, Gilbert: *See—*
Berardo, Michel; Darnez, Charles; Martinet, Jean-Marie; and Roche, Gilbert, 4,861,480, Cl. 210-490.000.
Roche, Guy; and Labregere, Gerard. Use of a paste containing precious metals for the production of browning dishes for microwave ovens. 4,830,894, 5-16-89, Cl. 428-34.500.
Roche, James B. Apparatus for separating logs. 4,852,716, 8-1-89, Cl. 198-443.000.
Roche, Jean: *See—*
Rioux, Christian; Guillet, Roger; Lucidarme, Jean; Roche, Jean; and Pouillange, Jean, 4,864,169, Cl. 310-12.000.
Roche, Joseph R., to Hydril Company, The. Diverter system and blowout preventer. 4,828,024, 5-9-89, Cl. 166-84.000.
Roche, Joseph R., to Hydril Company, The. Diverter system and blowout preventer. 4,832,126, 5-23-89, Cl. 166-358.000.
Roche, Karen M., to Bioconcepts, Inc. Modular joint prosthesis assembly and method of removing. 4,865,609, 9-12-89, Cl. 623-23.000.
Roche, Kevin J.: *See—*
Napp, Duane T.; and Roche, Kevin J., 4,836,435, Cl. 228-180.200.
Roche, Michel; and Raboisson, Gerard, to Commissariat a l'Energie Atomique. Electric pulse generator of the type with a saturatable inductance coil. 4,849,649, 7-18-89, Cl. 307-108.000.
Roche, Patrick, to La Souterraine S.A. General purpose keyboard for central processing unit with microprocessor and use of this keyboard with a microcomputer. 4,879,557, 11-7-89, Cl. 341-23.000.
Roche, Peter: *See—*
Liebl, Herbert; Roche, Peter; and Rank, Matthaeus, 4,816,542, Cl. 528-59.000.
Roche, Thomas S.: *See—*
Scardera, Michael; and Roche, Thomas S., 4,863,563, Cl. 156-662.000.
Scardera, Michael; and Roche, Thomas S., 4,871,422, Cl. 156-662.000.
Roche, William J.: *See—*
Parks, Ralph P., Jr.; and Roche, William J., 4,870,323, Cl. 313-546.000.
Rochefort, Mark G., to Hughes Aircraft Company. Spacecraft design enabling the compact nesting of multiple spacecraft in the launch vehicle. 4,854,526, 8-8-89, Cl. 244-158.00R.
Rocheleau Dabber Corporation: *See—*
Rocheleau, Roger, 4,863,171, Cl. 273-148.00R.
Rocheleau, Gary A.: *See—*
Nippoldt, Robert H.; Rocheleau, Gary A.; and Wright, Thomas C., 4,798,197, Cl. 128-25.00R.
Rocheleau, Roger, to Rocheleau Dabber Corporation. Bingo dabber. 4,863,171, 9-5-89, Cl. 273-148.00R.
Rochelle, Gary P.; and Lile, Charles R., to CRL Electronics, Inc. Modular electronic control housing assembly. 4,858,067, 8-15-89, Cl. 361-331.000.
Rochelle, Gary T.; and Jozewicz, Wojciech, to Board of Regents, The University of Texas System. Process for removing sulfur from sulfur-containing gases. 4,804,521, 2-14-89, Cl. 423-242.000.
Rocher, Xavier; Faure, Bruno; and Legallais, Lucien, to Coflexip. Covering structure intended especially to be placed on a conduit or the like laid on the ocean floor. 4,842,445, 6-27-89, Cl. 405-172.000.
Rochester, D. Eugene. Method of insulating a field winding coil. 4,852,246, 8-1-89, Cl. 29-596.000.
Rochester, Willard G. Marine steering and propulsion system. 4,822,308, 4-18-89, Cl. 440-66.000.
Rochet, Andre; Dubois, Guy; Faure, Louis; and Lalanne, Alain, to Societe pour l'Etude et la Fabrication de Circuits Integres Speciaux EFCIS. Installation and method for handling delicate objects in an atmosphere having a controlled dust content. 4,805,759, 2-21-89, Cl. 198-346.100.
Rochette, Marc, to Aerospatiale Societe Nationale Industrielle. Method and apparatus for aligning equipment on board a carrier vehicle and particularly on board an aircraft. 4,845,856, 7-11-89, Cl. 33-228.000.
Rochette, Vincent: *See—*
Bergeret, Marcel; Pellerin, Daniel; Rochette, Vincent; and Rubert, Andre, 4,852,138, Cl. 378-69.000.
Rochling, Hans; and Schlee, Karl H., to Siemens Aktiengesellschaft. Sensor for acoustic shockwave pulses. 4,803,671, 2-7-89, Cl. 367-166.000.
Rochling, Hans; and Albrecht, Konrad, to Hoechst Aktiengesellschaft. Concentrated aqueous microemulsions. 4,870,103, 9-26-89, Cl. 514-521.000.
Rocholl, Hans; and Klein, Horst, to Bergische Stahl-Industrie. Integrated manual brake device. 4,833,975, 5-30-89, Cl. 92-63.000.
Rocholl, Hans; and Klein, Horst, to Bergische Stahl-Industrie. Assembly and disassembly system with a spring retaining member for a brake actuation unit. 4,865,166, 9-12-89, Cl. 188-196.00D.
Rochon, Alain: *See—*
Decima, Francois; and Rochon, Alain, 4,880,043, Cl. 152-526.000.
Rock, David A.: *See—*
Farkas, Richard W.; Rock, David A.; and Anderson, James H., 4,889,975, Cl. 219-548.000.
Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, to Julius Blum Gesellschaft m.b.H. Hinge. 4,800,621, 1-31-89, Cl. 16-235.000.
Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Furniture hinge including hinge arm releasably connected to a mounting plate. 4,800,622, 1-31-89, Cl. 16-240.000.
Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, to Julius Blum Gesellschaft m.b.H. Fitting assembly for connecting the sidewall of a drawer to the rear wall thereof. 4,802,716, 2-7-89, Cl. 312-330.00R.

Rock, Erich; and Rupprechter, Helmut, to Julius Blum Gesellschaft M.B.H. Mounting plate for a hinge for mounting a door on furniture frames of varying thickness. 4,803,749, 2-14-89, Cl. 16-237.000.
Rock, Erich; Brunner, Josef; and Hollenstein, Helmut, to Julius Blum Gesellschaft M.B.H. Rail fitting assembly for use in a drawer. 4,804,239, 2-14-89, Cl. 312-265.000.
Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, to Julius Blum Gesellschaft M.B.H. Drawer. 4,815,796, 3-28-89, Cl. 312-263.000.
Rock, Erich; Hollenstein, Helmut; and Brunner, Josef, to Julius Blum Gesellschaft m.b.H. Holding device for the front plate of a drawer. 4,815,798, 3-28-89, Cl. 312-330.00R.
Rock, Erich; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Fastening device for adjustable front plates of drawers. 4,832,420, 5-23-89, Cl. 312-263.000.
Rock, Erich; and Hollenstein, Helmut, to Julius Blum Gesellschaft m.b.H. Fitting for fastening the rail member of a drawer. 4,840,512, 6-20-89, Cl. 403-22.000.
Rock, Erich; and Hollenstein, Helmut, to Julius Blum Gesellschaft m.b.H. Drawer metal side wall with hooks for connection to drawer bottom plate. 4,842,351, 6-27-89, Cl. 312-263.000.
Rock, Erich; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Fastening device for adjustable front plates of drawers. 4,846,538, 7-11-89, Cl. 312-263.000.
Rock, Erich; and Brunner, Josef, to Julius Blum Gesellschaft m.b.H. Drawer with metal side walls. 4,848,860, 7-18-89, Cl. 312-341.100.
Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, to Julius Blum Gesellschaft m.b.H. Hinge. 4,850,080, 7-25-89, Cl. 16-236.000.
Rock, Erich; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Fastening device for adjustable front plates of drawers. 4,850,659, 7-25-89, Cl. 312-263.000.
Rock, Erich; and Brunner, Josef, to Julius Blum Gesellschaft M.B.H. Drawer including roller carrier connecting side walls to rear member. 4,872,735, 10-10-89, Cl. 312-342.000.
Rock, Erich; and Brustle, Klaus, to Julius Blum Gesellschaft M.B.H. Device for fastening a front plate to metal drawer side walls. 4,874,212, 10-17-89, Cl. 312-330.100.
Rock, Erich; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Drawer assembly. 4,875,746, 10-24-89, Cl. 312-330.100.
Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, to Julius Blum Gesellschaft m.b.H. Furniture hinge including hinge arm releasably connected to mounting plate. 4,882,808, 11-28-89, Cl. 16-240.000.
Rock, Erich; Rupprechter, Helmut; and Brustle, Klaus, to Julius Blum Gesellschaft M.B.H. Furniture hinge including hinge arm releasably connected to mounting plate. 4,888,853, 12-26-89, Cl. 16-240.000.
Rock, John A., to General Electric Company. Polycarbonate-siloxane polyetherimide copolymer blends. 4,816,527, 3-28-89, Cl. 525-431.000.
Rock, John A., to General Electric Company. Polyetherimide-liquid crystal polymer blends. 4,871,817, 10-3-89, Cl. 525-425.000.
Rock, John A.: *See—*
  Holub, Fred F.; and Rock, John A., 4,855,356, Cl. 525-66.000.
  Holub, Fred F.; Abolins, Visvaldis; and Rock, John A., 4,873,287, Cl. 525-92.000.
Rock-Ola Mfg. Corporation: *See—*
  Rockola, Donald C.; and Hague, Shuja, 4,886,325, Cl. 312-138.100.
Rock-Tenn Company: *See—*
  Wischusen, Henry, III, 4,838,600, Cl. 296-97.800.
Rockarts, Rene L.; and Bartley, Donald R., to Uniroyal Goodrich Tire Company, The. Plug-resistant arch-vents for a tire mold. 4,881,881, 11-21-89, Cl. 425-28.100.
Rockcor Incorporated: *See—*
  McKevitt, Frank X., 4,805,399, Cl. 60-200.100.
Rockefeller University, The: *See—*
  Cerami, Anthony; and Kawakami, Masanobu, 4,822,776, Cl. 514-21.000.
  Fillit, Howard; Damle, Shridhar P.; Zabriskie, John; and Gregory, John D., 4,849,339, Cl. 435-7.000.
  Gandy, Samuel E.; and Greengard, Paul, 4,874,694, Cl. 435-15.000.
  Merrifield, Robert B., 4,879,273, Cl. 514-12.000.
  Nogueira, Nadia; and Lizardi, Paul, 4,801,530, Cl. 435-6.000.
  Saltiel, Alan R., 4,839,466, Cl. 530-395.000.
Rockel, Manfred; Wallis, Ernst; Kohler, Michael; Heubner, Ulrich; and Kirchheiner, Rolf, to VDM Nickel-Technologie Aktiengesellschaft. Corrosion-resisting Fe-Ni-Cr alloy. 4,876,065, 10-24-89, Cl. 420-582.000.
Rockenfeller, Uwe. Method and apparatus for transferring energy and mass. 4,822,391, 4-18-89, Cl. 62-12.000.
Rockenfeller, Uwe. Chemical energy storage system. 4,823,864, 4-25-89, Cl. 165-104.120.
Rockenfeller, Uwe. System for low temperature refrigeration and chill storage using ammoniated complex compounds. 4,848,994, 7-18-89, Cl. 62-4.000.
Rockenfeller, Uwe. Method and apparatus for transferring energy and mass. 4,875,915, 10-24-89, Cl. 62-4.000.
Rockenschaub, Walter: *See—*
  Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,804,408, Cl. 75-38.000.
  Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,867,787, Cl. 75-38.000.
Rockerath, John L.; and Blust, Dale K., to Figgie International Inc. Ball holding and cementing apparatus and method. 4,877,655, 10-31-89, Cl. 427-430.100.
Rocketbal, Inc.: *See—*
  Mitchell, Terrance R., 4,867,451, Cl. 273-58.00C.
Rockett, Leonard R., Jr., to International Business Machines Corporation. High density, high performance, single event upset immune data storage cell. 4,797,804, 1-10-89, Cl. 365-154.000.
Rockett, Leonard R., Jr., to International Business Machines Corporation. Soft error resistant data storage cells. 4,852,060, 7-25-89, Cl. 365-154.000.
Rockford Automation: *See—*
  Block, Bruce E., 4,846,074, Cl. 104-166.000.
Rockford Controls Corporation: *See—*
  Bramblet, John W., 4,822,000, Cl. 251-298.000.
Rockford, David B.; Sutton, William H.; Bond, Christopher R.; and Wilkinson, Brian, to Britoil Public Limited Company. Agitation and/or gas separation and dispersed gas flotation. 4,889,638, 12-26-89, Cl. 210-703.000.
Rockford Manufacturing Group, Inc.: *See—*
  Alcock, Richard A.; and Guthrie, Robert M., 4,827,752, Cl. 72-289.000.
Rockhill, Sondra. Unforgettable umbrella method. 4,887,543, 12-19-89, Cl. 116-201.000.
Rocklage, Scott M.; and Quay, Steven C., to Salutar, Inc. Radioactive metal chelates for dipyridoxyl phosphate. 4,842,845, 6-27-89, Cl. 424-1.100.
Rocklage, Scott M.; Cacheris, William P.; and Jamieson, Gene, to Salutar, Inc. Manganese (II) chelate manufacture. 4,889,011, 12-26-89, Cl. 540-465.000.
Rocklage, Scott M.: *See—*
  Quay, Steven C.; and Rocklage, Scott M., 4,863,716, Cl. 424-9.000.
Rockland Form-A-Plastic, Inc.: *See—*
  Lashomb, Donald A., 4,850,393, Cl. 137-528.000.
Rockland, Inc.: *See—*
  Heiple, Ashley, 4,848,483, Cl. 172-821.000.
Rocklein, John. Two-cycle engine. 4,860,699, 8-29-89, Cl. 123-26.000.
Rockley, Mark G.: *See—*
  Freeman, David L.; Rockley, Mark G.; and Harville, Donald G., 4,839,516, Cl. 250-255.000.
Rocklitz, Gary J.: *See—*
  Misgen, Kenneth G.; Gillingham, Gary R.; Rocklitz, Gary J.; and Durre, Reynold F., 4,834,885, Cl. 210-440.000.
Rockney, Bennett H.: *See—*
  Lee, Jerald D.; Elias, John G.; Rockney, Bennett H.; and Wolf, William E., 4,814,606, Cl. 250-235.000.
Rockola, Donald C.; and Hague, Shuja, to Rock-Ola Mfg. Corporation. Display assembly for automatic can vending machine. 4,886,325, 12-12-89, Cl. 312-138.100.
Rockom, John W.; and Collier, Charles A., to Allpak Container, Inc. Insulated container. 4,889,252, 12-26-89, Cl. 220-3.100.
Rockot, David W.: *See—*
  DeLucia, R. Ralph; Rockot, David W.; Wolf, Daniel J.; Muscato, Neil J.; and Pike, Thomas A., 4,864,569, Cl. 371-19.000.
Rockower, Gerald; and Brigando, Ronald P., to Brooklyn Union Gas Company. Service line access system. 4,869,281, 9-26-89, Cl. 137-115.000.
Rockower, Gerald, to Brooklyn Union Gas Company. Liquid removal system. 4,881,567, 11-21-89, Cl. 137-203.000.
Rockport Company, The: *See—*
  Bianchini, William L.; Infantino, Robert; and Musarra, Vito, 4,835,884, Cl. 36-24.500.
Rocks, Manfred, to Krone Aktiengesellschaft. Single laser optics communication system and method. 4,882,771, 11-21-89, Cl. 455-605.000.
Rockwell Automotive Body Components (UK) Ltd.: *See—*
  Jeavons, Philip S., 4,824,152, Cl. 292-216.000.
Rockwell-CIM: *See—*
  Dauvergne, Jean, 4,846,591, Cl. 384-322.000.
  Periou, Pierre, 4,799,734, Cl. 297-361.000.
  Periou, Pierre, 4,802,350, Cl. 70-264.000.
  Periou, Pierre; and Boilley, Michel, 4,854,183, Cl. 74-113.000.
  Periou, Pierre, 4,872,903, Cl. 74-89.150.
Rockwell, David A.; Mangir, Metin S.; White, Jeffrey O.; and Jones, Dennis C., to Hughes Aircraft Company. Optical device enhancement method and apparatus by control of stimulated brillouin scattering gain. 4,880,295, 11-14-89, Cl. 350-354.000.
Rockwell, David A.: *See—*
  Byren, Robert W.; and Rockwell, David A., 4,812,639, Cl. 250-203.00R.
  Byren, Robert W.; and Rockwell, David A., 4,853,528, Cl. 250-203.00R.
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  Becker, Thomas A.; Cuenin, Paul J.; and Mintzer, Lane, 4,835,721, Cl. 364-717.000.
  Bottorf, Scott A.; Russell, Jeffrey D.; and Southard, Conway A., 4,825,381, Cl. 364-443.000.
  Bottorf, Scott A., 4,845,631, Cl. 364-443.000.

  Bujard, Martial R.; and Tittmann, Bernard R., 4,862,384, Cl. 364-509.000.
  Cheng, Mau-Chung F.; Asbeck, Peter M.; Wang, Keh-Chung; and Miller, David L., 4,807,008, Cl. 357-34.000.
  Chung, Dong K.; and Jones, Charles E., Jr., 4,828,760, Cl. 252-627.000.
  Colton, Russell F., 4,800,840, Cl. 118-721.000.
  Crewson, Gary E.; and Pulliam, David J., 4,858,729, Cl. 188-205.00R.
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  Dobbs, Steven K., 4,862,739, Cl. 73-147.000.
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  Dyke, Harry J.; and Korn, Yoram, 4,881,225, Cl. 370-95.100.
  Dyke, Harry J., 4,888,765, Cl. 370-95.100.
  Edwards, Richard C.; and Martin, Burton L., 4,859,971, Cl. 333-109.000.
  Eicher, David E., 4,860,359, Cl. 381-46.000.
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  Freeman, Richard A., 4,809,205, Cl. 364-721.000.
  Gay, Richard L.; and McKenzie, Donald E., 4,874,599, Cl. 423-490.000.
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  Glasgow, Lyle E., 4,865,802, Cl. 376-307.000.
  Goldstone, Jeffrey A., 4,807,240, Cl. 372-69.000.
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  Mahoney, Murray W.; and Ghosh, Amit K., 4,799,974, Cl. 148-12.70A.
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  Nelson, Blaine J., 4,876,699, Cl. 375-82.000.
  Nelson, Blaine J., 4,888,729, Cl. 364-900.000.
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  Sutton, Robert F.; and Beatty, Robert F., 4,865,529, Cl. 417-409.000.
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  Trachman, Edward G.; Shih, Shan; and Arzoian, John, 4,872,375, Cl. 74-731.000.
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- Roger, Pierre; Choay, Patrick; and Fournier, Jean-Paul, to DROPIC-Societe Civile de gestion de droits de Propriete Industrielle. Cyclic benzenesulfonamides, process for their preparation and their use as active substance of pharmaceutical compositions. 4,871,843, 10-3-89, Cl. 540-575.000.
- Roger, Pierre; Fournier, Jean-Paul; and Leroy, Rolande, to Sanofi. Novel procedure for the preparation of activated nitrosocarbamates. 4,883,903, 11-28-89, Cl. 560-137.000.
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  - Ide, John D.; Fussell, John P.; and Rogers, Aaron S., 4,868,891, Cl. 455-166.000.
- Rogers, Alan E.: *See—*
  - Fremuth, Dietmar R. A.; Rogers, Alan E.; and Zahner, John C., 4,808,764, Cl. 585-640.000.
- Rogers, Alfred M.: *See—*
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- Rogers, Ann M.: *See—*
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- Rogers, Barbara R.: *See—*
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- Rogers, Carl M.: *See—*
  - Chen, Fung-Bor; Huang, Wu-Nan; and Rogers, Carl M., 4,809,365, Cl. 2-168.000.
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- Rogers, Charles T., Jr.: *See—*
  - Gregory, Stephen; and Rogers, Charles T., Jr., 4,814,622, Cl. 250-306.000.
- Rogers, Clarence L., Jr., to Uniroyal Goodrich Tire Company, The. Method and apparatus for tire uniformity correction. 4,837,980, 6-13-89, Cl. 51-165.00R.
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  - Arthur, David J.; Mosko, John C.; Jackson, Connie S.; and Traut, G. Robert, 4,849,284, Cl. 428-325.000.
  - Barton, Carlos L.; Lindsay, Adrienne; and Henson, Samuel W., 4,812,213, Cl. 204-15.000.
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  - Harper, William P.; and Lunt, Michael S., 4,816,717, Cl. 313-502.000.
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  - Owens, Mark J.; and Simpson, Scott S., 4,830,623, Cl. 439-71.000.
  - Ristedt, Raymond D.; and Zinck, Michael C., 4,815,990, Cl. 439-496.000.
  - Rumney, Roger; and Kessler, Rod K., 4,813,597, Cl. 239-2.200.
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- Rogers, Daniel D.: *See—*
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- Rogers, David W.: *See—*
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- Rogers, Delton F.: *See—*
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- Rogers, Dennis L.; Woodall, Jerry M.; Pettit, George D.; and McInturff, David T., to International Business Machines Corporation. Heterojunction interdigitated schottky barrier photodetector. 4,807,006, 2-21-89, Cl. 357-30.000.
- Rogers, Derek J.: *See—*
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- Rogers, Donald Z.: *See—*
  - Rickborn, Steven F.; and Rogers, Donald Z., 4,818,607, Cl. 428-323.000.
- Rogers, Duane E.: *See—*
  - Broughton, George L.; Rogers, Duane E.; and Mate, David W., 4,799,905, Cl. 440-89.000.
- Rogers, Fred A.: *See—*
  - Burton, John F.; and Rogers, Fred A., 4,870,759, Cl. 33-563.000.
- Rogers, George: *See—*
  - Ernst, James; Williamson, Steven; Rogers, George; and Musto, Dominick 4,861,270, Cl. 434-226.000.
- Rogers, Gerald H., to J & J Hardware, Inc. Reversible mount gate latch with manual latch locking. 4,871,203, 10-3-89, Cl. 292-238.000.
- Rogers, H. Gardner. Candle lantern apparatus. 4,797,090, 1-10-89, Cl. 431-290.000.
- Rogers, Harvey N., Jr.; and Smith, Ronald T., to Hughes Aircraft Company. Process for forming an environmentally stable optical coating thereby. 4,859,492, 8-22-89, Cl. 427-42.000.
- Rogers, Howard G.: *See—*
  - Gaudiana, Russell A.; Rogers, Howard G.; and Sinta, Roger F., 4,843,141, Cl. 528-183.000.
- Rogers Industrial Products: *See—*
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- Rogers, Janet M.; and Porter, Harold F., to Du Pont de Nemours, E. I., and Company. Process for production of sodium cyanide. 4,847,062, 7-11-89, Cl. 423-379.000.
- Rogers, Jay L.: *See—*
  - Aza, Alberto D.; Keeley, Charles; Rogers, Jay L.; and Brilliant, Stuart D., 4,837,257, Cl. 524-151.000.
- Rogers, John J.; and Semen, John, to Ethyl Corporation. Process for improving strength of SiC ceramics. 4,845,058, 7-4-89, Cl. 501-88.000.
- Rogers, John J.: *See—*
  - Semen, John; and Rogers, John J., 4,835,207, Cl. 524-443.000.
- Rogers, John M.: *See—*
  - Lalezari, Farzin; Gilbert, Charles G.; and Rogers, John M., 4,843,403, Cl. 343-767.000.
- Rogers, John T., to Utex Industries, Inc. Valve element for use in pumps for handling fluids containing abrasive materials. 4,860,995, 8-29-89, Cl. 251-356.000.
- Rogers Jr., Elmer V.: *See—*
  - Smith, Edward B.; Smith, William B.; Rogers Jr., Elmer V.; and Spisak, John A., 4,832,379, Cl. 285-323.000.
- Rogers, Kermett A.; Tucker, Robert C.; and Iyer, Mani. Anti-theft apparatus for a riding saddle. 4,823,568, 4-25-89, Cl. 70-58.000.
- Rogers, Larry D.: *See—*
  - Jacobs, James L.; and Rogers, Larry D., 4,880,491, Cl. 156-584.000.
- Rogers, Larry K., to American Standard Inc. Cylinder having an internally-disposed drain valve. 4,802,402, 2-7-89, Cl. 91-268.000
- Rogers, Larry L.: *See—*
  - Rogers, Dale R.; Rogers, Delton F.; and Rogers, Larry L., 4,836,067, Cl. 81-185.000.
- Rogers, Lee S.; and Vinal, Albert W., to International Business Machines Corp. Method and apparatus for tolerating track misregistra-

tion systems in twin track vertical recording systems. 4,799,115, 1-17-89, Cl. 360-66.000.
Rogers, Lloyd W.; and Compeau, David E., to General Motors Corporation. Inhibit control of a belted vehicular passive restraint system having door-mounted retractors. 4,796,916, 1-10-89, Cl. 280-803.000.
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  Compeau, David E.; and Rogers, Lloyd W., 4,850,140, Cl. 49-347.000.
  Compeau, David E.; Rogers, Lloyd W.; and Myslicki, Robert J., 4,861,089, Cl. 296-76.000.
  Haag, Ronald H.; Manuel, Mark; and Rogers, Lloyd W., 4,858,971, Cl. 292-201.000.
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  Compeau, David E.; Manuel, Mark; and Rogers, Lloyd W., Jr., 4,875,723, Cl. 292-201.000.
Rogers, M. Maurice. Depth gauge-analyzer. 4,821,587, 4-18-89, Cl. 73-864.630.
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Rogers, Nathan J.; and Rogers, Barbara R. Dental apparatus. 4,882,803, 11-28-89, Cl. 15-167.100.
Rogers, Neville, to General Electric Company, p.l.c., The. Stabilised mount. 4,833,932, 5-30-89, Cl. 74-5.100.
Rogers, Norman H.; O'Hanlon, Peter J.; Walker, Graham; and Crimmin, Michael J., to Beecham Group p.l.c. Antibacterial monic acid derivatives. 4,812,470, 3-14-89, Cl. 514-365.000.
Rogers, Norman H.; Walker, Graham; Crimmin, Michael J.; and O'Hanlon, Peter J., to Beecham Group p.l.c. Antibacterial 1-normon-2-yl-heterocyclic compounds. 4,861,788, 8-29-89, Cl. 514-364.000.
Rogers, Orley D.; and Staten, Kenneth E., to Stageright Corporation. Socket support and interlock for staging panels. 4,843,792, 7-4-89, Cl. 52-127.700.
Rogers, Orley D.; and Staten, Kenneth E., to Stageright Corporation. High impact panel corner. 4,845,915, 7-11-89, Cl. 52-783.000.
Rogers, Orley D.; and Staten, Kenneth E., to Stageright Corporation. Theater curtain frame assembly and storage assembly. 4,863,126, 9-5-89, Cl. 248-158.000.
Rogers, Peter E.: *See—*
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Rogers, Peter H.; and Cox, Helen M., to Georgia Tech Research Corporation. Noninvasive vibration measurement system and method for measuring amplitude of vibration of tissue in an object being investigated. 4,819,649, 4-11-89, Cl. 128-660.020.
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Rogers, Philip L.; and Rogers, Milton, to Lockheed Corporation. Wind shear detector. 4,875,770, 10-24-89, Cl. 356-28.500.
Rogers, Phillip P. Ambulatory dialysis system and connector. 4,810,241, 3-7-89, Cl. 604-28.000.
Rogers, Ralph R. Suspension system for a truck or the like. 4,822,007, 4-18-89, Cl. 267-32.000.
Rogers, Ralph R. Suspension system for a vehicle. 4,826,140, 5-2-89, Cl. 267-32.000.
Rogers, Randall J.; Silverman, Beth Z.; and Lewis, Armand F. Floppy disk liner with improved cleaning ability. 4,812,938, 3-14-89, Cl. 360-133.000.
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Rogers, Richard B.; and Gerwick, B. Clifford, III, to Dow Chemical Company, The. Fluorophenoxyphenoxypropionates and derivatives thereof. 4,808,750, 2-28-89, Cl. 560-062.000.
Rogers, Richard B., to Dow Chemical Company, The. Fluorophenoxy compounds, herbicidal compositions and methods. 4,888,050, 12-19-89, Cl. 71-108.000.
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Rogers, Roxanne R.; Kirby, Steven B.; Simon, Theodore; and Matthiesen, Sharon, to Duncan, Michael D. Apparatus and method for flooding a nuclear imaging device with radiation from an imaging source. 4,882,494, 11-21-89, Cl. 250-363.090.
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Rogers, Russell L.: *See—*
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Rogers, W. Leslie; and Clinthorne, Neal H., to University of Michigan, The. Multiple sensor position locating system. 4,852,056, 7-25-89, Cl. 364-581.000.
Rogers, W. Leslie; Clinthorne, Neal H.; and Hutchins, Gary D. to University of Michigan, The. Coincidence detection system for positron emission tomography. 4,864,140, 9-5-89, Cl. 250-369.000.
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Rogers, William H., to Sea Search, Inc. Expendable explosive head for spear gun. 4,823,492, 4-25-89, Cl. 43-6.000.
Rogers, William H., to Sea Search, Inc. Spear gun tip assembly and method of use thereof. 4,839,979, 6-20-89, Cl. 43-6.000.
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Rogerson, Stephen P.; and MacDonald, Brian M., to British Telecommunications Public Limited Company. Mounting of saw devices. 4,795,934, 1-3-89, Cl. 310-313.00R.
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Roggenburg, Stanley L.; Laauwe, Robert H.; Polite, John L.; and Tully, Michael, to Essex Chemical Corporation. Dispensing device. 4,823,990, 4-25-89, Cl. 222-207.000.
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Roggero, Arnaldo; Bertolini, Guglielmo; and Busetto, Carlo, to Eniricerche S.p.A. Solid polymeric stabilizer compounds and process for their manufacture. 4,797,451, 1-10-89, Cl. 525-332.900.
Roggero, Arnaldo; Clerici, Mario; and Bertolini, Guglielmo, to Eniricerche S.p.A.; and Enichem Sintesi S.p.A. Process for the preparation of solid polymeric stabilizer compounds. 4,833,211, 5-23-89, Cl. 525-333.300.
Roggero, Arnaldo; and Bertolini, Guglielmo, to Eniricerche, S.p.A.; and Enichem Sintesi, S.p.A. Polymeric stabilizer compounds and process for their preparation. 4,853,440, 8-1-89, Cl. 525-338.000.
Roggero, Arnaldo; Scrosati, Bruno; Andrei, Maria; Passerini, Stefano; and Pedretti, Ugo, to Eniricerche S.p.A. Solid polymeric electrolyte and electrochemical generators containing it. 4,886,716, 12-12-89, Cl. 429-192.000.

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  Pedretti, Ugo; Bonfanti, Cesarina; Montani, Enrico; Hakemi, Hassan A.; and Roggero, Arnaldo, 4,888,409, Cl. 528-129.000.
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Rogozinski, Chaim. Prosthetic bone joint. 4,865,604, 9-12-89, Cl. 623-18.000.
Rogozinski, Joseph; and Cohen, Ilan. Precise positioning apparatus. 4,857,816, 8-15-89, Cl. 318-632.000.
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  Hartl, Roland; and Kraemer, Dieter, 4,806,348, Cl. 424-85.000.
  Ittmann, Guenther; and Krieg, Manfred, 4,826,901, Cl. 324-145.000.
  Klesse, Wolfgang; Auer, Heinz-Jochen; and Quis, Peter, 4,847,309, Cl. 523-139.000.
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  Rauch, Hubert; Klesse, Wolfgang; Lehmann, Klaus; and Mager, Theodor, 4,816,558, Cl. 528-501.000.
  Siol, Werner; Felger, Erwin; and Arnold, Werner, 4,814,207, Cl. 427-393.500.
  Siol, Werner; Heil, Ernst; Wenzel, Franz; Arndt, Peter J. and Terbrack, Ulrich, 4,877,853, Cl. 526-329.700.
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  Siol, Werner; and Terbrack, Ulrich, 4,849,479, Cl. 525-216.000.
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  Eich, Manfred; Wendorff, Joachim; and Reck, Bernd, 4,837,745, Cl. 365-108.000.
  Eich, Manfred; and Wendorff, Joachim, 4,886,718, Cl. 430-20.000.
  Gross, Heinz; Pohlmann, Klaus E.; and Schikowsky, Harmut, 4,797,173, Cl. 156-498.000.
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  Vetter, Heinz, 4,859,392, Cl. 264-166.000.
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Rohm, Gunter H. Drill chuck. 4,844,482, 7-4-89, Cl. 279-19.000.
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  Jacobson, Richard M., 4,863,947, Cl. 514-403.000.
  Sharma, Ashok K., 4,863,940, Cl. 514-359.000.
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  Amick, David R.; Jones, Charles E.; and Hughes, Kathleen A., 4,797,223, Cl. 252-174.230.
  Amick, David R., 4,824,957, Cl. 548-213.000.
  Barton, Alan E., 4,804,761, Cl. 546-251.000.
  Bayer, Horst O.; and Swithenbank, Colin, 4,795,825, Cl. 562-435.000.
  Cabral, Joaquim M. S.; Robinson, Elizabeth M.; and Cooney, Charles L., 4,830,753, Cl. 210-638.000.
  Carley, H. Edwin; and Sharma, Ashok K., 4,822,902, Cl. 558-14.000.
  Chang, Sou-Jen, 4,868,310, Cl. 548-213.000.
  Chiou, Shang-Jaw; and Winey, Donald A., 4,863,990, Cl. 524-517.000.
  Clemens, David H.; Hurwitz, Marvin J.; and Walker, Robert W., 4,886,606, Cl. 210-684.000.
  Cornette, Michel A. G.; Carbonel, Jack; Franc, Jacques E. A.; and Grammont, Paul D. A., 4,818,773, Cl. 521-32.000.
  Davies, Philip D. T.; and Kirch, Lawrence S., 4,838,998, Cl. 203-96.000.
  Emmons, William D.; and Winkle, Mark R., 4,877,818, Cl. 522-26.000.
  Frankel, Lawrence S.; Jones, Gerald L.; and Winey, Donald A., 4,814,373, Cl. 524-460.000.
  Hallden-Abberton, Michael P.; Cohen, Leslie A.; and Wood, Robert S., 4,874,824, Cl. 525-379.000.
  Hirsekorn, Federick J.; and Emmons, William D., 4,814,398, Cl. 525-530.000.

- Hsu, Adam C. T.; and Lein, Geore M., Jr., 4,861,896, Cl. 548-213.000.
- Kowalski, Alexander; and Vogel, Martin, 4,880,842. Cl. 521-64.000.
- Law, Andrew B., 4,822,511, Cl. 252-106.000.
- Lorah, Dennis P.; and Wood, William A., 4,868,016, Cl. 427-287.000.
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- Maroldo, Stephen G.; Betz, William R.; and Borenstein, Noah, 4,839,331, Cl. 502-416.000.
- McNulty, James T., 4,857.202, Cl. 210-662.000.
- Musco, Vincent A.; Kelley, Donald E.; and Hansen, Carl O., 4,857,101, Cl. 71-94.000.
- Neely, James W., 4,888,209, Cl. 427-97.000.
- Novak, Ronald W.; and Emmons, William D., 4,886,618, Cl. 252-188.280.
- Pirotta, Marico G., 4,872,989, Cl. 210-638.000.
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- Wachob, George D.; and Rightnour, Robert W., 4,810,471, Cl. 422-103.000.
- Yih, Roy Y., 4,806,682, Cl. 562-474.000.

- Rohm, Peter: *See—*
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- Rohm Pharma GmbH: *See—*
  - Mueller, Josef; and Petereit, Hans-Ulrich, 4,826,677, Cl. 424-78.000.
- Rohmann, Thomas G., to Colgate-Palmolive Company. Receptacle for thixotropic materials. 4,869,370, 9-26-89, Cl. 206-527.000.
- Rohmer, Hartmut: *See—*
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- Rohn, Dean R.: *See—*
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- Rohne, Elmar; and Ruetz, Gottfried, to J. M. Voith GmbH. Hydrodynamic-mechanical transmission. 4,819,509, 4-11-89, Cl. 74-688.000.
- Rohner, Benedikt, to Biella-Neher AG File tray. 4,863,042, 9-5-89. Cl. 211-11.000.
- Rohner, Gerhard; Idigkeit, Werner; and Kurr, Klaus, to Carl Freudenberg, Firma. Two chamber engine mount 4,872,652, 10-10-89, Cl. 267-140.100.
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  - Franz, Rainer; Idigkeit, Werner; Loschmann, Hartmut; Rohner, Gerhard; and Kurr, Klaus, 4,836,515, Cl. 267-219.000.
- Rohner, Joachim, deceased (by Rohner, Jutta, heir); Langen, Manfred; and Gebald, Gregor, to Zinser Textilmaschinen GmbH. Method and apparatus for automatic orderly removal and collection of fully-spun cops from textile ring spinning machines. 4,846,414, 7-11-89, Cl. 242-35.50A.
- Rohner, Jutta, heir: *See—*
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- Rohner, Nicholas J. Roofing shingles. 4,875,321, 10-24-89, Cl. 52-553.000.
- Rohner, Peter, to Kabelmetal Electro Gesellschaft mit Beschrankter Haftung. Communication cable with optical wave guides. 4,848,868, 7-18-89, Cl. 350-96.230.
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- Rohr, Bruce E., to Cambridge Technology, Inc. Capacitance sensing system using multiple capacitances to sense rotary motion. 4,864,295, 9-5-89, Cl. 340-870.370.
- Rohr, Donald F., Jr.: *See—*
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- Rohr, Gunter, to Union Special GmbH. Alignment device for a sewing machine. 4,827,856, 5-9-89, Cl. 112-63.000.
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- Rohr Industries, Inc.: *See—*
  - Beyer, John D., 4,850,116, Cl. 33-788.000.
  - Cadwell, Gilbert C.; and Phillips, Paul M., 4,889,276, Cl. 228-265.000.
  - Greene, Guy S.; Gojny, Francis J.; and McGrath, Paul L., 4,843,205, Cl. 219-78.120.
  - Hom, Felix; Bockenhauer, Uwe; and Woodward, James R., 4,801,070, Cl. 228-184.000.
  - Miller, Fred W., Jr.; Sweat, Forrest W.; and Jennings, Dale L., 4,829,724, Cl. 51-436.000.
  - Norris, Brian; Martinez, Romulo M.; and Gojny, Francis J., 4,869,421, Cl. 228-181.000.
  - Weingart, Oscar; Lunde, Gerald A.; and Taylor, Clark D., 4,822,444, Cl. 156-441.000.
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- Rohr, Jurgen: *See—*
  - Zeeck, Axel; Ciesiolka, Thomas, Rohr, Jurgen; Zahner, Hans; and Drautz, Hannelore, 4,859,655, Cl. 514-34.000.
- Rohr, Martin; Potter, Richard H.; and Naipawer, Richard E., to Givaudan Corporation. α-campholenic alcohol, dihydro-α-campholenic alcohol and lower acyl esters thereof as tobacco flavorants. 4,851,050, 7-25-89, Cl. 131-276.000.
- Rohr, Otto, to Ciba-Geigy Corporation. 3-phenyl-5-trifluoromethyl-1,2,4-oxadiazole compounds which are useful pesticides. 4,871,753, 10-3-89, Cl. 514-364.000.
- Rohr, Robert D.: *See—*
  - Kitterman, Lawrence R.; and Rohr, Robert D., 4,881,668, Cl. 222-482.000.
- Rohr, Wolfgang; and Bohr, Jochen, to Rohr GmbH. Cutoff device for crane systems. 4,804,095, 2-14-89, Cl. 212-152.000.
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- Rohra, Alois: *See—*
  - Geidel, Helmut; and Rohra, Alois, 4,887,424, Cl. 60-39.080.
- Rohrbach, Helmut: *See—*
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- Rohrbach, Manfred: *See—*
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- Rohrbach, Ronald P.; and Scherl, Dale S., to UOP. Method of cyclodextrin manufacture using an immobilized cyclodextrin glycosyltransferase. 4,865,976, 9-12-89, Cl. 435-103.000.
- Rohrbach, Wolfgang; Grafenstein, Georg; Beer, Wilhelm; Kiy, Burghardt; and Monetha, Eugen. Rack and pinion steering gear. 4,865,149, 9-12-89, Cl. 180-148.000.
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  - Silverman, Herbert P., 4,882,537, Cl. 324-65.00R.
  - Waterman, David K., 4,841,787, Cl. 73-866.500.
- Rohrberg, Roderick G.; Rohrberg, Timothy K.; and McGushion, Kevin D. Microcube interconnection hardware. 4,872,355, 10-10-89, Cl. 73-866.500.
- Rohrberg, Timothy K.: *See—*
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- Rohren- und Pumpenwerk Rudolf Bauer Aktiengesellschaft: *See—*
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- Rohrer, Charles E.; and Shepherd, Roger D., to International Business Machines Corporation. Machine control system utilizing paper parameter measurements. 4,835,573, 5-30-89, Cl. 355-308.000.
- Rohrer, Charles E.: *See—*
  - Demeter, Michael G.; Wichman, Paul E.; Endres, Linda S.; and Rohrer, Charles E., 4,872,397, Cl. 98-31.600.
- Rohrer, Daniel F., to Pyromid, Inc. Tent. 4,844,108, 7-4-89, Cl. 135-91.000.
- Rohrer, Gene D.: *See—*
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  - Martin, William C.; and Rohrer, Gene D., 4,876,735, Cl. 382-57.000.
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- Rohrer, John R.: *See—*
  - Fannin, Loyd W.; Malpass, Dennis B., and Rohrer, John R., 4,826,665, Cl. 423-210.000.
- Rohringer, Ernst. Double-walled special refuse dump receptacle. 4,811,535, 3-14-89, Cl. 52-249.000.
- Rohrle, Dieter; Graton, Michel; and Lhermitte, Philippe, to Valeo. Torsion damping device for a disc type friction clutch for an automobile vehicle. 4,883,156, 11-28-89, Cl. 192-106.200.
- Rohrs, Frederick T.: *See—*
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- Rohrschneider, Larry R.; and Nichols, Everett J., to Fred Hutchinson Cancer Research Center; and Nichols, Everett J. Therapy using glucosidase processing inhibitors. 4,837,237, 6-6-89, Cl. 514-62.000.
- Rohs, Gordon L.: *See—*
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- Rohs, Ulrich; and Voigt, Dieter, to BBC Brown Boveri Aktiengesellschaft. Apparatus for producing torsional vibrations. 4,825,692, 5-2-89, Cl. 73-118.100.
- Rohs, Ulrich; and Meuter, Herbert. Apparatus for measuring the torque of an operating shaft. 4,875,379, 10-24-89, Cl. 73-862.340.
- Rohulich, John J.; and Keys, John B., to NCR Corporation. Speaker volume control apparatus and method. 4,797,932, 1-10-89, Cl. 381-104.000.
- Rohweder. Theodore R.; and Ray, Richard J., Jr., to Manville Corporation. Method of making an insulated window. 4,886,561, 12-12-89, Cl. 156-102.000.

- Rohweder, Theodore R.: *See—*
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- Rohweller, David J.; and Pallini, Joseph W., Jr., to Vetco Gray Inc. Drill ahead tool. 4,813,496, 3-21-89, Cl. 175-7.000.
- Roi du Maroc, Sa Majeste H., II. Device for the detection, the study and the supervision of diseases, and in particular heart diseases, resulting in electrically recordable manifestations. 4,805,631, 2-21-89, Cl. 128-710.000.
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- Roinestad, Gerald, to Ashworth Bros., Inc. Flat wire conveyor with differential pitch. 4,846,339, 7-11-89, Cl. 198-852.000.
- Roinestad, Gerald C., to Ashworth Bros., Inc. Positive drive helical conveyor system. 4,852,720, 8-1-89, Cl. 198-778.000.
- Roinestad, Gerald C.; and Straight, Michael R., to Ashworth Bros., Inc. Conveyor belt and system for single direction lateral curved travel. 4,867,301, 9-19-89, Cl. 198-852.000.
- Roitberg, Michael: *See—*
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- Rojas, Emil P.: *See—*
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- Rojas, Robert R. Multiple component comforter quilt. 4,839,934, 6-20-89, Cl. 5-502.000.
- Rojas, Teresa M. Foot massager. 4,802,463, 2-7-89, Cl. 128-36.000.
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- Rojdev, Iliji, to Batesville Casket Co. Inc. Gasket seal. 4,868,957, 9-26-89, Cl. 27-17.000.
- Rojecki, Walter E., to General Signal Corporation. Fluid brake control system for railroad vehicles. 4,798,420, 1-17-89, Cl. 303-38.000.
- Rojecki, Walter E., to General Signal Corporation. Empty-load valve device. 4,844,554, 7-4-89, Cl. 303-22.700.
- Rojecki, Walter E.: *See—*
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- Rojey, Alexandre; and Grehier, Alain, to Institut Francais du Petrole. Process for the simultaneous exchange of heat and matter through a porous wall. 4,873,835, 10-17-89, Cl. 62-93.000.
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  - Belanger, Patrice C.; Scheigetz, John; and Rokach, Joshua, 4,863,958, Cl. 514-469.000.
  - Fortin, Rejean; Lau, Cheuk K.; Guindon, Yvan; Rokach, Joshua; and Yoakim, Christiane, 4,845,083, Cl. 514-80.000.
  - Gillard, John; Rokach, Joshua; and Belanger, Patrice C., 4,871,756, Cl. 514-381.000.
  - Guindon, Yvan; Girard, Yves; Lau, Cheuk K.; Fortin, Rejean; Rokach, Joshua; and Yoakim, Christiane, 4,876,246, Cl. 514-80.000.
  - Lau, Cheuk K.; Yoakim, Christiane; Rokach, Joshua; Fortin, Rejean; and Guindon, Yvan, 4,859,667, Cl. 514-224.500.
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- Rokkanen, Pentti: *See—*
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- Rokos, George H. S., to STC PLC. Integrated circuits. 4,890,191, 12-26-89, Cl. 361-313.000.
- Rokos, Hartmut; Konczak, Heinz; and Forth, Wolfgang, to Henning Berlin GmbH Chemie- und Pharmawerk. 5-aminosalicylic acid-O-sulfates of physiologically acceptable bases, process for the preparation thereof and drugs containing same. 4,837,229, 6-6-89, Cl. 514-517.000.
- Rokuda, Morito; Ohtsubo, Hiroyasu; Masuda, Michio; Nishijima, Hideo; and Okamoto, Kaneyuki, to Hitachi, Ltd. Picture synthesizing apparatus with gain control system. 4,855,812, 8-8-89, Cl. 358-22.000.
- Rokugawa, Kyuji, to Kabushiki Kaisha Toshiba. Automatic chemical analysis reagent distribution and analysis apparatus. 4,844,868, 7-4-89, Cl. 422-64.000.
- Rokugo, Yoshinori; and Hirosaki, Botaro, to NEC Corporation. Destuffing circuit with a digital phase-locked loop. 4,803,680, 2-7-89, Cl. 370-102.000.
- Rokusek, Daniel S.: *See—*
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  - D'Avello, Robert F.; Rokusek, Daniel S.; and Tobolski, Francis P., Jr., 4,860,336, Cl. 379-63.000.
- Rokutan, Takao, to Olympus Optical Co., Ltd. Method for reproducing data recorded on optical card. 4,797,872, 1-10-89, Cl. 369-109.000.
- Rokutan, Takao: *See—*
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- Rol Screen Company: *See—*
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- Rolan. Protective cover. 4,821,785, 4-18-89, Cl. 150-166.000.
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- Roland, Billy F. Knock down box. 4,867,327, 9-19-89, Cl. 217-12.00R.
- Roland, Helmut: *See—*
  - Platzer, Hubert; and Roland, Helmut, 4,825,138, Cl. 318-716.000.
- Roland, Homer L. Score keeping apparatus. 4,805,909, 2-21-89, Cl. 273-148.00R.
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- Roland, Leonard A.: *See—*
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- Roland, Robert D.: *See—*
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- Roland, Winfield P.: *See—*
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- Rolando de Alvare, Louis: *See—*
  - Allen, Robert J.; Rolando de Alvare, Louis; and Spence, Floyd G., 4,800,043, Cl. 260-391.000.
- Rold, Michael D.: *See—*
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- Roldan, Bayani E.: *See—*
  - Scherer, Andrew J.; Westover, Dwight G.; Spencer, William H.; and Roldan, Bayani E., 4,805,894, Cl. 271-297.000.
- Rolek, Matthew, to Ardco, Inc. Refrigerator door frame with insulated mullion. 4,852,303, 8-1-89, Cl. 49-504.000.
- Rolf, Helmut; and Bock, Werner, to Leonhardy GmbH. Contact spring connector strip. 4,802,868, 2-7-89, Cl. 439-689.000.
- Rolf, Wilfried, to Braun Aktiengesellschaft. Electric switch with sealed plural compartments. 4,803,313, 2-7-89, Cl. 200-6.0BB.
- Rolfe, John A.; Dalton, Arthur W.; and Silvester, Robert, to Rolfe & King Limited of the Lansbury Estate. Electrical services pole. 4,812,958, 3-14-89, Cl. 362-431.000.
- Rolfe, Jonathan L.: *See—*
  - Szycher, Michael; and Rolfe, Jonathan L., 4,880,690, Cl. 428-224.000.
- Rolfe & King Limited of the Lansbury Estate: *See—*
  - Rolfe, John A.; Dalton, Arthur W.; and Silvester, Robert, 4,812,958, Cl. 362-431.000.
- Rolfe, Nicholas; Woode, Richard D. A.; and Rothon, Roger N., to Imperial Chemical Industries PLC. Fillers. 4,808,654, 2-28-89, Cl. 524-424.000.
- Rolffs, Philip C. Synthetic ebony and method of producing the same (I). 4,840,637, 6-20-89, Cl. 8-402.000.
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  - Hodgetts, Graham L., 4,860.965, Cl. 242-67.10R.
- Rolflor Industries, Inc.: *See—*
  - Hodgetts, Graham L., 4,842,471, Cl. 414-515.000.
- Rolfs, Thomas J., to Amity Leather Products Co. Security device for wallets, billfolds and the like. 4,825,922, 5-2-89, Cl. 150-134.000.
- Rolfvondenbaumen, Theodore. Oil sand cleaning apparatus. 4,859,323, 8-22-89, Cl. 210-181.000.
- Rolin, Pierre: *See—*
  - Le Lann, Gerard; and Rolin, Pierre, 4,847,835, Cl. 370-85.000.
- Roling, Paul V., to Betz Laboratories, Inc. Method and composition for inhibiting acrylate ester polymerization. 4,797,504, 1-10-89. Cl. 560-4.000.
- Roling, Paul V.; Niu, Joseph H. Y.; and Reid, Dwight K., to Betz Laboratories, Inc. Bifunctional antifoulant compositions and methods. 4,810,354, 3-7-89, Cl. 208-48.0AA.
- Roling, Paul V.; and Niu, Joseph H. Y., to Betz Laboratories, Inc. Methods and composition for deactivating iron in hydrocarbon fluids. 4,847,415, 7-11-89, Cl. 564-367.000.
- Roling, Paul V.; and Niu, Joseph H. Y., to Betz Laboratories, Inc. Methods for deactivating iron in hydrocarbon fluids. 4,883,580, 11-28-89, Cl. 208-48.0AA.
- Rolitron Muszaki-Fejleszto Kisszovetkezet: *See—*
  - Kurucz, Jozsef, 4,844,074, Cl. 128-401.000.
- Rolker, Jurgen; Doerfler, Peter; Kleine, Volker; and Meyknecht, Johannes, to G. Kromschroder Aktiengesellschaft. Method of and apparatus for testing the tightnesses of two valves arranged in a fluid line. 4,825,198, 4-25-89, Cl. 340-605.000.
- Roll-A-Puck Limited: *See—*
  - De Masi, Anthony, Jr.; and McMahon, John A., 3rd, 4,801,144, Cl. 273-128.00R.
- Roll, Karl-Fritz, to Siemens Aktiengesellschaft. Mirror light unit. 4,888,668, 12-19-89, Cl. 362-291.000.

- Roll, Kenneth A.; Davenport, John M.; and von Herrmann, Pieter J., to General Electric Company. Current interruption operating circuit for a gaseous discharge lamp. 4,857,810, 8-15-89, Cl. 315-194.000.
- Roll Systems, Inc.: *See—*
  - Crowley, H. W.; Wales, R. Langdon; and Wright, Albert L., 4,848,634, Cl. 226-108.000.
- Rolland, Jean L.: *See—*
  - Meunier, Paul L.; Razeghi, Manijeh; and Rolland, Jean L., 4,849,842, Cl. 360-122.000.
- Rolland, Jean-Luc; Meunier, Paul L.; and Mage, Jean-Claude, to Compagnie Europeenne de Composants Electroniques LCC. Method for making a flat magnetic structure for read/write magnetic heads. 4,821,403, 4-18-89, Cl. 29-603.000.
- Rollat, Alain; and Sabot, Jean-Louis, to Rhone-Poulenc Chimie. Purification of barium values. 4,834,952, 5-30-89, Cl. 423-157.000.
- Rollberg, Hans-Georg: *See—*
  - Kubersky, Hans-Peter; and Rollberg, Hans-Georg, 4,808,562, Cl. 502-172.000.
- Rollberg, Matthew J.: *See—*
  - Kennel, George W.; and Rollberg, Matthew J., 4,853,115, Cl. 209-173.000.
- Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., to T.D.J. Co., Inc. Air pump separator method and apparatus. 4,851,110, 7-25-89, Cl. 209-135.000.
- Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., to T.D.J. Co., Inc. Material comminutor. 4,852,818, 8-1-89, Cl. 241-301.000.
- Rolle, Thomas E.; and Rapp, D. J., to TDJ Group, Inc., The. Method of treating metallic oxide impregnated dust. 4,878,944, 11-7-89, Cl. 75-25.000.
- Rolled Alloys, Inc.: *See—*
  - Rundell, Gene, 4,826,655, Cl. 420-50.000.
- Rollei Fototechnic GmbH: *See—*
  - Wester-Ebbinghaus, Wilfried; Luhmann, Thomas; Mangelsdorf, Juergen; and Pini, Peter, 4,878,247, Cl. 382-1.000.
- Rollen, Donald C.: *See—*
  - Barrell, David; Griffith, Gerald P.; Kennedy, Donald E.; and Rollen, Donald C., 4,803,022, Cl. 264-25.000.
- Rollender, William; and Westermann, Gordon. Fungi identification kit. 4,867,316, 9-19-89, Cl. 206-570.000.
- Rollenitz, Leopold; Krenn, Andreas; Schmidt, Harald; and Freudenschuss, Otto, to Steyr-Daimler-Puch AG. Automatic control method for moving a final control element. 4,852,535, 8-1-89, Cl. 123-357.000.
- Roller, Dieter: *See—*
  - Jonner, Wolf-Dieter; Leiber, Heinz; and Roller, Dieter, 4,852,009, Cl. 364-426.020.
- Roller, George J.: *See—*
  - Culligan, Robert L.; and Roller, George J., 4,881,729, Cl. 271-3.100.
  - Dinatale, Ernest L.; and Roller, George J., 4,884,794, Cl. 271-3.000.
- Roller, Joachim. Cosmetic composition, particularly for decorative applications. 4,857,306, 8-15-89, Cl. 424-63.000.
- Roller, Lee E., to Tecumseh Products Company. Compliance brake for an internal combustion engine powered implement. 4,889,213, 12-26-89, Cl. 192-1.440.
- Roller, Philip C., to Truck-Lite Co., Inc. Heavy duty lamp flasher for trucks, trailers and the like. 4,816,818, 3-28-89, Cl. 340-475.000.
- Roller, Traugott, to Daimler-Benz Aktiengesellschaft. Windshield wiper installation. 4,811,451, 3-14-89, Cl. 15-250.040.
- Roller, Traugott, to Daimler-Benz Aktiengesellschaft. Cover strip for the lower edge of a bonded windscreen of a motor car. 4,874,198, 10-17-89, Cl. 296-192.000.
- Rollet, Georges; and Alexandre, Bernard, to Societe Inter-Color. Apparatus for marking the backs of photographic proofs. 4,823,163, 4-18-89, Cl. 355-41.000.
- Rollet, Georges: *See—*
  - Alexandre, Bernard; Cornillon, Jean-Paul; and Rollet, Georges, 4,838,435, Cl. 209-555.000.
- Rollet, Philippe A.: *See—*
  - Mouille, Rene L.; and Rollet, Philippe A., 4,809,931, Cl. 244-17.210.
- Rollett, John M.: *See—*
  - Holt, Christopher E.; and Rollett, John M., 4,803,727, Cl. 381-1.000.
- Rollett, Marius, to Society said: ROVIP. Valve for a gas cylinder or the like. 4,799,646, 1-24-89, Cl. 251-88.000.
- Rolli, Karl: *See—*
  - Heyland, Sven; Rolli, Karl; Roschli, David; and Sihver, Jaak J., 4,879,130, Cl. 426-533.000.
- Rollin, Joel: *See—*
  - Loy, Fernand R.; Perrin, Jean-Claude; and Rollin, Joel, 4,840,465, Cl. 350-421.000.
- Rollins, James: *See—*
  - Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., 4,858,295, Cl. 29-156.40R.
- Rollins, Joseph M., to Emhart Industries, Inc. Electronic locking system. 4,811,012, 3-7-89, Cl. 340-825.310.
- Rollins, Thomas J.: *See—*
  - Tribbey, David A.; Mooney, Charles W.; and Rollins, Thomas J., 4,864,276, Cl. 340-407.000.
- Rollman, Bruce L. Bicycle seat. 4,850,643, 7-25-89, Cl. 297-214.000.
- Rolloff, Paul D.; and Lamb, Reginald T., to Amfit Inc. System and method for forming custom-made shoe inserts. 4,876,758, 10-31-89, Cl. 12-142.00N.
- Rollot, Pierre H.: *See—*
  - Cordier, Jean A. G.; Dussart, Bernard E. A.; and Rollot, Pierre H., 4,867,848, Cl. 201-6.000.
- Rolls-Royce: *See—*
  - Holroyd, Trevor J., 4,819,994, Cl. 303-100.000.
- Rolls-Royce, Inc.: *See—*
  - Gupta, Suresh K.; and Pinder, John T., 4,881,314, Cl. 29-421.200.
  - Ma, Kong; and Pinder, John T., 4,873,414, Cl. 219-121.700.
  - Szuminski, Gary F.; and Ward, Benjamin D., 4,840,329, Cl. 244-12.500.
  - Tape, Robert F., 4,805,840, Cl. 239-265.350.
- Rolls-Royce Limited: *See—*
  - Angus, James P., 4,826,645, Cl. 264-108.000.
  - Pask, George, 4,798,514, Cl. 415-115.000.
- Rolls-Royce Motor Cars Limited: *See—*
  - James, George K., 4,815,552, Cl. 180-148.000.
  - Laurie, Stephen A., 4,883,296, Cl. 292-336.300.
- Rolls-Royce Motors Limited: *See—*
  - Hill, Adrian C.; and Jepson, Derek, 4,840,206, Cl. 141-349.000.
- Rolls-Royce plc: *See—*
  - Allen, David J., 4,810,312, Cl. 148-13.100.
  - Allen, David J.; Martin, Joseph; Rose, Peter E.; and Terry, John, 4,811,778, Cl. 164-516.000.
  - Angus, James P.; and Salt, Derek, 4,829,539, Cl. 374-159.000.
  - Braithwaite, Anthony, 4,813,230, Cl. 60-262.000.
  - Buller, Michael J., 4,798,406, Cl. 285-320.000.
  - Catlow, Ronald, 4,826,403, Cl. 416-129.000.
  - Catlow, Ronald, 4,850,090, Cl. 29-156.80R.
  - Clough, Richard S.; and Neal, Peter F., 4,844,688, Cl. 415-116.000.
  - Coplin, John F., 4,827,712, Cl. 60-226.100.
  - Cox, Michael J., 4,856,274, Cl. 60-39.330.
  - Denning, Ralph M.; Hall, John M.; and Jordan, Terence, 4,821,979, Cl. 244-23.00D.
  - Devendra, Keerthi, 4,836,268, Cl. 164-132.000.
  - Douglas, Joseph; and Jennings, Richard P., 4,799,190, Cl. 364-900.000.
  - Farrar, Peter G. G.; Wright, Eric; and Peacock, Nicholas J., 4,796,424, Cl. 60-268.000.
  - Flatman, Richard J., 4,881,367, Cl. 60-39.070.
  - Ford, David A.; Hill, Anthony D.; and Pashby, Ian R., 4,853,044, Cl. 148-3.000.
  - Fuller, John R. D.; and Bell, John K. A., 4,804,310, Cl. 415-115.000.
  - Goddard, John, 4,884,736, Cl. 228-2.000.
  - Hall, John M.; Hurd, Roger; and Wright, Geoffrey H. E., 4,841,724, Cl. 60-245.000.
  - Johnson, Thomas K., 4,822,013, Cl. 269-7.000.
  - Jordan, Terence; and Hall, John M., 4,845,939, Cl. 60-226.100.
  - Jubb, Albert; Ward, Robert G.; and Stansbury, Eric W., 4,869,317, Cl. 165-166.000.
  - Kernon, John D.; Langley, Kenneth R.; and Thatcher, Mark R., 4,854,821, Cl. 416-95.000.
  - Loxley, Russell A., 4,846,210, Cl. 137-110.000.
  - Midgley, Ronald A., 4,799,354, Cl. 60-39.142.
  - Miles, Barry D., 4,827,714, Cl. 60-261.000.
  - Moritz, Robert R., 4,864,844, Cl. 73-29.000.
  - Mullins, John A., 4,801,058, Cl. 244-55.000.
  - Newton, Arnold C., 4,823,547, Cl. 60-226.200.
  - Parsons, Jonathan M., 4,813,273, Cl. 73-118.100.
  - Perks, Malcolm, 4,807,129, Cl. 364-424.010.
  - Pritchard, Robert E., 4,839,997, Cl. 51-290.000.
  - Purgavie, Duncan G., 4,812,106, Cl. 415-139.000.
  - Reynolds, Graham A., 4,842,017, Cl. 137-601.000.
  - Richardson, John; and Pidcock, Anthony, 4,864,827, Cl. 60-756.000.
  - Riley, Paul H., 4,835,654, Cl. 361-103.000.
  - Roberts, Derek A.; and Daines, John W., 4,858,815, Cl. 228-2.000.
  - Savill, Anthony M., 4,863,121, Cl. 244-200.000.
  - Savill, Anthony M., 4,865,271, Cl. 244-130.000.
  - Seed, Bernard E., 4,844,689, Cl. 415-169.100.
  - Simmons, Roy, 4,803,837, Cl. 60-226.300.
  - Stewart, Peter A. E.; and Hawkesworth, Michael R., 4,885,464, Cl. 250-308.000.
  - Thompson, Alfred R.; and Hirst, Roy T., 4,863,345, Cl. 415-174.100.
  - Todman, Michael T., 4,861,228, Cl. 415-115.000.
  - Tubbs, Henry, 4,867,635, Cl. 415-159.000.
  - Webb, Peter D.; Russhard, Peter; and Mansfield, Lee, 4,855,735, Cl. 340-870.140.
  - Wing, Rodney G., 4,796,343, Cl. 29-156.80R.
  - Woodard, Clifford S., 4,801,087, Cl. 239-127.100.
  - Wright, William B., 4,810,164, Cl. 415-129.000.
- Rolls-Royce (1971) Limited: *See—*
  - Wilkinson, Wilfred H., 4,889,469, Cl. 415-191.000.
- Rolly, Didier: *See—*
  - Lefevre, Herve; and Rolly, Didier, 4,871,254, Cl. 356-350.000.
- Rolm Corporation: *See—*
  - Graham, Martin H., 4,803,699, Cl. 375-36.000.
- Roloff, Frederick W., to Cooper Power Systems, Inc. Coil winding machine. 4,870,742, 10-3-89, Cl. 29-335.000.
- Roloff, Heinz-Rudolf. Hinge assembly for shower stalls. 4,823,438, 4-25-89, Cl. 16-307.000.
- Roloff, Herbert F., to Siemens Aktiengesellschaft. Vertical transistor structure. 4,811,071, 3-7-89, Cl. 357-34.000.
- Roloke Company: *See—*
  - Walpin, Arline; and Walpin, Lionel A., 4,835,801, Cl. 5-432.000.
  - Walpin, Arline; and Walpin, Lionel A., 4,853,993, Cl. 5-431.000.
  - Walpin, Arline M.; and Walpin, Lionel A., 4,850,068, Cl. 5-434.000.
- Rolph-Clark-Stone Packaging Corp.: *See—*
  - Capuano, Frank G., 4,819,864, Cl. 229-135.000.

- Rolph, Donald L.: *See—*
  - Thompson, Herbert E.; Rolph, Donald L.; and Mercurio, Dominic, 4,864,452, Cl. 360-133.000.
  - Thompson, Herbert E.; Rolph, Donald L.; Mercurio, Dominic; and Guerini, Albert J., 4,870,518, Cl. 360-97.010.
- Rolscreen Company: *See—*
  - Baier, Bruce A., 4,886,103, Cl. 160-178.100.
  - Hagemeyer, Bruce A., 4,870,797, Cl. 52-455.000.
  - Hagemeyer, Bruce A., 4,876,838, Cl. 52-455.000.
- Rolsma, Peter B.: *See—*
  - Lee, John N.; Athale, Ravindra A.; and Rolsma, Peter B., 4,862,115, Cl. 332-7.510.
- Rolt, Kenneth D., to Raytheon Company. Flextensional electroacoustic transducer with hydrostatically compression-loaded driver. 4,862,429, 8-29-89, Cl. 367-165.000.
- Rolt, Richard C. Transmission of rotary power, particularly in printing machines. 4,856,690, 8-15-89, Cl. 226-24.000.
- Roltra S.p.A.: *See—*
  - Brusasco, Enzo, 4,801,812, Cl. 307-10.00R.
  - Brusasco, Enzo, 4,858,436, Cl. 60-545.000.
  - Brusasco, Enzo, 4,872,714, Cl. 292-201.000.
- Romagnoli, Andrea, to Cestind - Centro Studi Industriali - S.r.l. Filter bag for infusible products. 4,828,851, 5-9-89, Cl. 426-79.000.
- Romagnoli, Andrea, to Centind - Centro Studi Industriali - S.R.L. Automatic machine for the continuous production of dual-use filter sachets for infusion products. 4 829,742, 5-16-89, Cl. 53-134.000.
- Romagnoli, Andrea, to Cestind - Centro Studi Industriali - S.r.l. Apparatus for the conditioning in envelopes of individual dual-use filter sachets in amchines for the continuous production of such filter sachets. 4,853,071, 8-1-89, Cl. 156-443.000.
- Romagnoli, Andrea, to Cestind - Centro Studi Industriali - S.r.l. Apparatus with rotary wheel having pickup means for applying labels and thread to a flattened tube carrying serially arranged dual-use filter sachets in machines for continuously producing said filter sachets. 4,856,257, 8-15-89, Cl. 53-134.000.
- Romagnoli, Andrea, to CSENTIND - Centro Studi Industriali - S.r.l. Volumetric dosing unit with adjustable-volume doser cells for continuously operating machines producing dual-use filter sachets. 4,870,808, 10-3-89, Cl. 53-529.000.
- Romagnoli, Andrea, to Cestind - Centro Studi Industriali - S.r.l. Apparatus for collating dual-use filter sachets arranged in the non-consumer mode in machines for the continuous production of said filter sachets. 4,885,896, 12-12-89, Cl. 53-116.000.
- Romagnoli, Marino: *See—*
  - Malservisi, William; Righetti, Claudio; Nadalini, Raffaele; Braga, Umberto; and Romagnoli, Marino, 4,860,922, Cl. 221-6.000.
- Romaine, C. Peter; Nelsen, Charles E.; and Davis, Roxanne, to Plant Genetics, Inc.; and Research Corporation Techologies, Inc. Synthetic substrate for filamentous fungi. 4,803,800, 2-14-89, Cl. 47-1.100.
- Romalayland Enterprises: *See—*
  - Layland, Donald L., Jr., 4,821,392, Cl. 29-267.000.
- Roman, Benjamin: *See—*
  - Martin, Edward L.; Graham, Fred G.; and Roman, Benjamin, 4,860,226, Cl. 364-552.000.
- Roman, Christopher D.; and Czuma, Dean M., to S&C Electric Company. Contact assembly for high-voltage switch. 4,795,869, 1-3-89, Cl. 200-255.000.
- Roman Dietsche KG: *See—*
  - Dietsche, Alfons, 4,831,678, Cl. 15-176.400.
- Roman, Donald C., to Equipment Engineering, Inc. Floating seal arrangement for centrifugal separators and like rotating apparatus. 4,846,728, 7-11-89, Cl. 494-41.000.
- Roman, James M.: *See—*
  - Kugelman, Michael M.; and Roman, James M., 4,814,931, Cl. 361-56.000.
- Roman, Jose; and Spector, George. Hang ups. 4,867,222, 9-19-89, Cl. 160-89.000.
- Roman, Patrick: *See—*
  - Lanoiselee, Roger; Dropsy, Philippe; and Roman, Patrick, 4,862,671, Cl. 53-167.000.
- Roman, Robert J. Mechanical analog computer device. 4,886,458, 12-12-89, Cl. 434-243.000.
- Romanak, Alfred J.; and Moss, Russell W., to Channel Products, Inc. Gas collector electrode assembly for gas burners. 4,861,264, 8-29-89, Cl. 431-263.000.
- Romanczuk, Chris S.: *See—*
  - Betterton, Joseph T.; Glover, Alfred H.; McKee, Thomas S.; and Romanczuk, Chris S., 4,886,033, Cl. 123-574.000.
- Romand, Maurice: *See—*
  - Charbonnier, Jean-Claude; Roche, Alain; Romand, Maurice; Lenoir, Janine; and Sahakian, Eric, 4,844,748, Cl. 148-254.000.
- Romanelli, Michael G.: *See—*
  - Yezrielev, Albert I.; Romanelli, Michael G.; and Wellman, William E., 4,855,369, Cl. 526-320.000.
- Romanet, Claude, to Essilor International (Compagnie Generale d'Optique). Hinge and eyeglass frame comprising same. 4,869,585, 9-26-89, Cl. 351-153.000.
- Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, to Savio, S.p.A. Device and method for storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,510, 8-8-89, Cl. 242-18.0DD.
- Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, to Savio, S.p.A. Device and method for storing and returning yarn during the winding of conical bobbins fed with yarn at constant speed. 4,854,514, 8-8-89, Cl. 242-18.00R.
- Romankiw, Lubomyr T.: *See—*
  - Anderson, Nathaniel C.; Miner, Marlin E.; Romankiw, Lubomyr T.; and Starcke, Steven F., 4,842,886, Cl. 427-10.000.
- Romann, Brigitte: *See—*
  - Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre ; Quignon, Thierry; and Romann, Brigitte, 4,885,756, Cl. 375-82.000.
- Romann, Peter. *See—*
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,795,097, Cl. 239-585.000.
  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,807,846, Cl. 251-129.150.
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  - Greiner, Max; Hafner, Udo; Hans, Waldemar; Knapp, Heinrich; Kramer, Wolfgang; Krauss, Rudolf; Reiter, Ferdinand; Romann, Peter; and Sauer, Rudolf, 4,826,082, Cl. 239-113.000.
- Romano, Antonio, to Campagnolo S.p.A. Device allowing bicycle pedals to take up a steady position when they are not engaged by the cyclist's shoe. 4,794,817, 1-3-89, Cl. 74-594.600.
- Romano, Antonio, to Campagnolo S.p.A. Rear derailer for bicycle gears. 4,801,287, 1-31-89, Cl. 474-82.000.
- Romano, Antonio, to Campagnolo S.P.A. Fast opening arrangement for shoes of bicycle brakes. 4,819,497, 4-11-89, Cl. 74-489.000.
- Romano, Antonio, to Campagnolo S.p.A. Rear derailer for bicycle gears. 4,824,420, 4-25-89, Cl. 474-78.000.
- Romano, Antonio, to Compagnolo S.p.A. Bearing mechanism in the pedal of bicycles and suchlike. 4,825,719, 5-2-89, Cl. 74-594.400.
- Romano, Antonio, to Campagnolo S.p.A. Saddle pillar for bicycles and the like, provided with means for adjusting the attitude of the saddle. 4,836.604, 6-6-89, Cl. 297-195.000.
- Romano, Antonio, to Campagnolo S.P.A. Device to anchor a cyclist's shoe to the pedal of a sports or competition bicycle. 4,856,365, 8-15-89, Cl. 74-594.600.
- Romano, Antonio, to Campagnolo S.p.A. Rear derailing device for bicycle gears. 4,857,036, 8-15-89, Cl. 474-80.000.
- Romano, Antonio, to Campagnolo S.p.A. Device for displaying the gear parameters of a bicycle or the like. 4,859,984, 8-22-89, Cl. 340-432.000.
- Romano, Antonio, to Campagnolo S.p.A. Bicycle brake of the center-pull type. 4,869,351, 9-26-89, Cl. 188-24.210.
- Romano, Antonio, to Campagnolo S.p.A. Gear selector for bicycle speed gears. 4,876,913, 10-31-89, Cl. 74-535.000.
- Romano, Antonio, to Campagnolo S.p.A. Device for operating the gear change of a bicycle. 4,878,395, 11-7-89, Cl. 74-531.000.
- Romano, Antonio, to Campagnolo S.p.A. Rear derailleur for bicycle gears. 4,878,884, 11-7-89, Cl. 474-82.000.
- Romano. Antonio, to Campagnolo S.r.l. Cable-guide element for the rear derailer of a bicycle. 4,887,482, 12-19-89, Cl. 74-502.600.
- Romano, Armando, to AR.MA.s.r.l. Self-blocking hypodermic syringe for once-only use, comprising a needle protection cap. 4,850,968, 7-25-89, Cl. 604-110.000.
- Romano, Ernest P.: *See—*
  - Hubbell, Nelson M.; Murdock, Susan L., and Romano, Ernest P., 4,886,163, Cl. 206-334.000.
- Romano, James, to Con-Tech Industries, Inc. Flapper actuated pilot valve. 4,875,502, 10-24-89, Cl. 137-627.500.
- Romano, John A.: *See—*
  - Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmateer, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,684, Cl. 428-209.000.
- Romano', Luigi, to SGS Microelecttronica S.p.A. Semiconductor device mounted in a highly flexible, segmented package, provided with heat sink. 4,887,149, 12-12-89, Cl. 357-81.000.
- Romano, Perry, to LPI Limited Partnership. Variable beam floodlight. 4,872,098, 10-3-89, Cl. 362-283.000.
- Romano, Robert. Clip for fastening an object to a support by means of a hook and device for fitting such a clip. 4,858,871, 8-22-89, Cl. 248-339.000.
- Romano, Ugo; Clerici, Mario G.; Bellussi, Giuseppe; and Buonomo, Franco, to Enichem Sintesi S.p.A. Catalyst for the selective decomposition of cumene hydroperoxide and process using it. 4,849,387, 7-18-89, Cl. 502-64.000.
- Romano, Ugo: *See—*
  - Bellussi, Giuseppe; Buonomo, Franco; Esposito, Antonio; Clerici, Mario; Romano, Ugo; and Notari, Bruno, 4,859,785, Cl. 549-531.000.
  - Clerici, Mario G.; and Romano, Ugo, 4,824,976, Cl. 549-531.000.
  - Mizia, Franco; Rivetti, Franco; Romano, Ugo; Rivola, Luigi; and Civardi, Giuseppe, 4,849,170, Cl. 422-7.000.
  - Renzi, Fiorenzo; Rivetti, Franco; Romano, Ugo; and Gagliardi, Claudio, 4,812,545, Cl. 526-230.500.
  - Renzi, Fiorenzo; Rivetti, Franco; and Romano, Ugo, 4,835,233, Cl. 526-301.000.
- Romanos, Nayla J. Flexible desktop organizer. 4,802,593, 2-7-89, Cl. 211-10.000.
- Romanovskaya, Antonina M., to Vsesojuzny Nauchno-issledovatelsky i ispytatelny institut meditsinskoi Tekhniki. Device for measurement of arterial blood pressure. 4,823,802, 4-25-89, Cl. 128-688.000.
- Romanow, Richard: *See—*
  - Stein, Israel M.; Goodman, Alan S.; and Romanow, Richard, 4,886,164, Cl. 206-366.000.

Romanowski, Christopher A.; and Landero, Herman, to Hunter Engineering Company, Inc. Feed tip and continuous casting method using the feed tip. 4,811,781, 3-14-89, Cl. 164-480.000.

Romanowski, Gerd: *See—*
  Bachmann, Peter K.; Geittner, Peter E.; Lydtin, Hans-Jurgen; and Romanowski, Gerd, 4,885,018, Cl. 65-3.110.

Romanowski, Jack R. Replaceable combustion chamber for two-cycle engines. 4,825,817, 5-2-89, Cl. 123-41.82R.

Romanowski, William E.; and Suljak, George T., to International Fuel Cells Corporation. Separation of gaseous hydrogen from a water-hydrogen mixture in a fuel cell power system operating in a weightless environment. 4,800,138, 1-24-89, Cl. 429-19.000.

Romanski, Eric R., to Albany International Corp. Method of making a paper machine press belt. 4,812,185, 3-14-89, Cl. 156-86.000.

Romar Technologies, Inc.: *See—*
  Harris, Rano J., Jr., 4,875,427, Cl. 114-219.000.

Romberg, Hendrik, to U.S. Philips Corporation. Method of manufacturing an electric lamp, and device for performing such a method. 4,869,744, 9-26-89, Cl. 65-105.000.

Romberg, Val. G.; Kiang, Patty H.; and Curry, Wayne T. Pharmaceutical elastomeric coating. 4,808,453, 2-28-89, Cl. 428-36.800.

Romberg, Val G.; Kiang, Patty H.; Curry, Wayne T.; and Pfister, Ralph E., to West Company, The. Glass container. 4,882,210, 11-21-89, Cl. 428-34.700.

Romberger, John A., to Nalco Chemical Company. Use of low molecular weight water-soluble anionic polymers as blocking agent for fiberglass sizing. 4,869,932, 9-26-89, Cl. 427-299.000.

Rombi, Max A. Insecticidal collar and process for producing it. 4,879,117, 11-7-89, Cl. 424-411.000.

Rombout, Rene; and Woudstra, Jouke J., to Shell Oil Company. Apparatus for solids-fluid separation. 4,863,500, 9-5-89, Cl. 55-348.000.

Rome Industries, Inc.: *See—*
  Seabaugh, David T., 4,836,088, Cl. 91-436.000.

Romeas, Rene, to Societe Anonyme Dite: Alcatel Thomson Gigadisc. Preformatted information medium and optical reader device. 4,858,221, 8-15-89, Cl. 369-27[illegible].000.

Romeas, Rene: *See—*
  Le Carvennec, Francois; Lecomte, Daniel; Leterme, Dominique; and Romeas, Rene, 4,868,804, Cl. 369-45.000.

Romele, Paolo: *See—*
  Mariani, Gaetano; and Romele, Paolo, 4,833,936, Cl. 74-493.000.

Romenesko, David J.: *See—*
  Bahr, Bradley C.; Lo, Peter Y.; Lomas, A. Wade; and Romenesko, David J., 4,853,474, Cl. 556-445.000.

Romeny, Ter H. B. M.: *See—*
  Zuiderveld, Karel J.; and Romeny, Ter H. B. M., 4,870,692, Cl. 382-6.000.

Romeo, Aurelio: *See—*
  della Valle, Francesco; and Romeo, Aurelio, 4,849,413, Cl. 514-54.000.
  della Valle, Francesco; and Romeo, Aurelio, 4,851,521, Cl. 536-55.100.

Romeo, Roch. Tooth-paste with brushing time indicator. 4,876,082, 10-24-89, Cl. 424-7.100.

Romer GmbH: *See—*
  Haberle, Hermann, 4,856,119, Cl. 2-417.000.

Romer, Michael: *See—*
  Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., 4,868,341, Cl. 568-664.000.
  Krause, Joachim; Romer, Michael; Pohl, Ludwig; Scheuble, Bernhard; and Weber, Georg, 4,812,258, Cl. 252-299.610.

Romer-Nygaard, Lars. Notice board. 4,813,168, 3-21-89, Cl. 40-621.000.

Romer, Robert, to Winchester Software Services, Inc. Beach caddy. 4,863,075, 9-5-89, Cl. 222-610.000.

Romer, Rudolf: *See—*
  Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.

Romero, Bernardino: *See—*
  Phillips, E. Lakin; and Romero, Bernardino, 4,861,039, Cl. 273-239.000.

Romero, Bernardino S., Sr.; and Bayes, Bruce D., to Phillips, E. Lakin, a part interest. Wheelchair hand propulsion apparatus. 4,865,344, 9-12-89, Cl. 280-242.000.

Romero, Hector G., Jr.: *See—*
  Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., 4,870,406, Cl. 340-70.000.

Romero Lledo, Antonio; Diaz-Zorita, Fernando; and Cristos, Juan, to Investronica, S.A. Peg for overhead trouser conveyor. 4,878,577, 11-7-89, Cl. 198-803.900.

Romero Lledo, Antonio: *See—*
  Andrada Galan, Mario; Romero Lledo, Antonio; and Calzado Requena, Vincente, 4,853,866, Cl. 364-470.000.

Romesburg, Eric D.; and Fling, Russell T., to RCA Licensing Corporation. Television receiver having skew corrected clock. 4,864,399, 9-5-89, Cl. 358-148.000.

Rometsch, Dieter, to Bratschi, K. Gathering device for raising and lowering a gathered curtain. 4,850,415, 7-25-89, Cl. 160-84.100.

Romey, Russell P.; and Greer, Lonny R., to Allied Corporation. Adjustable non-piloted air blast fuel nozzle. 4,835,971, 6-6-89, Cl. 60-740.000.

Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, to Romhild, Ludwig; and Reinhard, Peter. Process and apparatus for cleaning a tooth. 4,820,153, 4-11-89, Cl. 433-118.000.

Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, to Romhild, Ludwig; and Reinhard, Peter. Dental instrument with a tool for treating the teeth. 4,820,154, 4-11-89, Cl. 433-128.000.

Romhild, Ludwig; Hartmann, Erwin; and Reinhard, Peter, to Mikrona AG; and Romhild, Ludwig. Apparatus for sharpening periodontal instruments. 4,854,080, 8-8-89, Cl. 51-55.000.

Romig, Byron A., Jr. Overspeed brake. 4,856,623, 8-15-89, Cl. 188-180.000.

Romig, Kenneth L., to General Motors Corporation. Clutch control mechanism. 4,860,870, 8-29-89, Cl. 192-99.00S.

Romine, Hugh E., to Conoco Inc. Pressure settling of mesophase. 4,832,820, 5-23-89, Cl. 208-39.000.

Romine, Richard L.; and Curlin, L. C., to OxyTech Systems, Inc. Diaphragm cell cathode assembly. 4,834,859, 5-30-89, Cl. 204-242.000.

Romine, Robert L. Roofing fastener for fastener assembly and roof assemblies. 4,862,664, 9-5-89, Cl. 52-410.000.

Romm, Michael: *See—*
  Welch, Glenn S.; Fidrych, Stephen; Romm, Michael; and Maurer, Bernie J., 4,875,880, Cl. 439-536.000.

Rommel, Jorg, to Bielomatik Leuze GmbH & Co. Transverse cutter for sheet materials. 4,881,436, 11-21-89, Cl. 83-342.000.

Rommen, Hans: *See—*
  Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,831,854, Cl. 72-8.000.
  Bald, Wilfried; Boucke, Karl-Ernst; Rommen, Hans; Fritz, Manfred; and Hollmann, Friedrich, 4,862,570, Cl. 29-81.00A.
  Stoy, Erich; Bald, Wilfried; and Rommen, Hans, 4,841,761, Cl. 72-238.000.

Rommerskirchen, Hans-Josef: *See—*
  Piorr, Robert; Rommerskirchen, Hans-Josef; Ritterbex, Horst; and Jost, Frantisek, 4,820,451, Cl. 260-400.000.

Romneya Trading Co.: *See—*
  Hubbard, Julian D., 4,860,931, Cl. 222-400.800.

Romo, Bernice I.: *See—*
  Mayhan, Kenneth G.; Romo, Bernice I.; Murtfeldt, Robert L.; and Bertrand, William J., 4,863,445, Cl. 604-317.000.

Romstedt, Karl J.: *See—*
  Miller, Duane D.; Feller, Dennis R.; Clark, Michael T.; Adejare, Adeboye; Romstedt, Karl J.; and Shams, Gamal, 4,855,476, Cl. 558-410.000.
  Witiak, Donald T.; Kim, Sung K.; Feller, Dennis R.; and Romstedt, Karl J., 4,84[illegible],121, Cl. 514-455.000.

Romvary, Attila: *See—*
  Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, 4,871,722, Cl. 514-157.000.

Romz, Thomas A.: *See—*
  Mohler, Paul J.; Romz, Thomas A.; and Lithgow, Baird E., 4,855,354, Cl. 525-54.240.

Ron-Li Corporation: *See—*
  Higgins, Ronald E., 4,811,695, Cl. 119-106.000.

Ron, Shimon, to Ashot Ashkelon Industries Ltd. Steering apparatus. 4,823,899, 4-25-89, Cl. 180-140.000.

Roncari, Raymond A.: *See—*
  Carniglia, Francis J., 4,871,718, Cl. 514-23.000.

Roncero, Jose I., to Philip Morris Incorporated. Methods and apparatus for opening closed containers. 4,843,801, 7-4-89, Cl. 53-492.000.

Ronchetti, Tullo: *See—*
  Sempio, Carlo; Vailati, Romeo; and Ronchetti, Tullo, 4,822,652, Cl. 428-34.500.

Ronchi, Costantino. Steam iron sole plate with plug insert. 4,854,059, 8-8-89, Cl. 38-93.000

Ronchi nee Marchesin, Elena. Instant steam generator for domestic and professional use. 4,836,145, 6-6-89, Cl. 122-4.00A.

Ronco Laboratories, Inc.: *See—*
  Baseman, Maurice S., 4,812,503, Cl. 524-226.000.

Ronco, Robert L., Sr.; and Wolk, Piero, to Schlumberger Technology Corporation. Well bore apparatus arranged for operating in high-temperature wells as well as in low-temperature wells. 4,872,507, 10-10-89, Cl. 166-57.000.

Roncucci, Romeo: *See—*
  Diaz, Joseph; Demarne, Henri; Roncucci, Romeo; and Schmelck, Paul-Henry, 4,797,469, Cl. 530-324.000.

Rondeau, George; and Soubrier, Pierre, to Baxter International Inc. Apparatus for filling bags or pouches with a perfusion liquid. 4,887,411, 12-19-89, Cl. 53-493.000.

Rondel, Stephen A.; and Dobson, James B., to Advanced Products & Technologies. Portable door lock. 4,878,701, 11-7-89, Cl. 292-288.000.

Rondini, Joseph: *See—*
  Hurtel, Patrice; Laurent, Denis; and Rondini, Joseph, 4,857,239, Cl. 562-896.000.

Rondone, Sam J., to House of Packaging, Inc. Foldable stand-up support device. 4,817,905, 4-4-89, Cl. 248-459.000.

Ronen, Daniel: *See—*
  Margaritz, Mordeckai; Ronen, Daniel; and Levy, Itzhak, 4,857,473, Cl. 436-177.000.

Rongen, Engelbertus: *See—*
  van der Eijk, Bart; van de Wiel, Johannes N.; Rongen, Engelbertus; and Wulms, Christiaan J. G. H., 4,874,987, Cl. 313-525.000.

Ronghi, Mario F.: *See—*
  Cellini, John V.; Ronghi, Mario F.; and Geren, James G., 4,880,504, Cl. 202-185.600.

Ronis S.A.: *See—*
  Chappoux, Claude; Rouesnel, Bernard; and Gillet, Guy, 4,840,264, Cl. 194-212.000.

Ronjat, Alain: *See—*
  Paole, Henri; and Ronjat, Alain, 4,809,691, Cl. 128-200.290.

Ronk Electrical Industries, Inc.: *See—*
  Hertz, Claude M.; and Ronk, Leroy B., 4,816,956, Cl. 361-42.000.

Ronk, Jerry: *See—*
  Dombrowski, Anthony E., 4,797,673 Cl. 340-904.000.
  Dombrowski, Anthony E., 4,803,488, Cl. 340-904.000.

Ronk, Leroy B.: *See—*
  Hertz, Claude M.; and Ronk, Leroy B., 4,816,956, Cl. 361-42.000.

Ronlan, Alvin, to Alber Corporation. Tire balancing composition. 4,867,792, 9-19-89, Cl. 106-189.000.

Ronlund Sports Products, Inc.: *See—*
  Brandell, John R., 4,872,671, Cl. 272-137.000.

Ronnback, Sture. Device for extinguishing the flame of a candle. 4,818,214, 4-4-89, Cl. 431-35.000.

Ronndahl, Sylve. Switching device. 4,835,406, 5-30-89, Cl. 315-83.000.

Ronne, William M.: *See—*
  Garnatz, Anthony H.; and Ronne, William M., 4,875,537, Cl. 180-69.100.

Ronning, Curtis W. Trapping apparatus. 4,823,504, 4-25-89, Cl. 43-96.000.

Ronning, Richard L. Method and apparatus for conditioning fibrous materials. 4,813,154, 3-21-89, Cl. 34-25.000.

Ronningen, Knut: *See—*
  Lindgren, Hakan; Olsson, Jan O.; Knudsen, Martin; and Ronningen, Knut, 4,854,960, Cl. 65-346.000.

Ronnow, Peter: *See—*
  Kjelleberg, Staffan; and Ronnow, Peter, 4,859,656, Cl. 514-54.000.

Rontgen-Odenthal, Renate; Durr, Manfred; and Harhausen, Ekkehard. Pulmonary surfactant. 4,828,844, 5-9-89, Cl. 424-489.000.

Roof, Glen L., to Pony Industries, Inc. Controlling H_2S in fuel oils. 4,867,865, 9-19-89, Cl. 208-236.000.

Roof, Richard W.; and Horne, G. Marshall, to Square D Company. Transient ride-through AC inverter. 4,843,533, 6-27-89, Cl. 363-55.000.

Rook, Cornelis; and Klein, Willem, to Gebroeders Rook Beheer B.V. Device for manufacturing stones. 4,856,976, 8-15-89, Cl. 425-320.000.

Rook, Cornelis; and Klein, Willem, to Gebroeders Rock Beheer B.V. Method for manufacturing stones in a press. 4,886,633, 12-12-89, Cl. 264-219.000.

Rooklyn, Jack, to Industrial Management Co. Grounding system for static dissipative surfaces. 4,855,865, 8-8-89, Cl. 361-212.000.

Rookmaaker, Frans V., to Fikkert, Tom Franklin. Balloon game. 4,826,161, 5-2-89, Cl. 273-1.0GF.

Rooks, Howard B.: *See—*
  Witherell, Donald R.; Donaldson, Jay W.; and Rooks, Howard B., 4,805,828, Cl. 228-46.000.

Rookstool, Gary H.: *See—*
  Hollingsworth, John D.; and Rookstool, Gary H., 4,839,944, Cl. 19-105.000.

Rooney, Clarence S., to Merck & Co., Inc. Novel HMG-CoA reductase inhibitors. 4,866,068, 9-12-89, Cl. 514-277.000.

Rooney, Clarence S.: *See—*
  Hoffman, William F.; Lee, Ta J.; and Rooney, Clarence S., 4,864,038, Cl. 514-460.000.
  Hoffman, William F.; Lee, Ta J.; Smith, Robert L.; and Rooney, Clarence S., 4,876,366, Cl. 514-570.000.
  Lee, Ta J.; Rooney, Clarence S.; and Hoffman, William F., 4,847,306, Cl. 514-824.000.
  Lee, Ta J.; Hoffman, William F.; and Rooney, Clarence S., 4,876,279, Cl. 514-510.000.

Rooney, Craig E., to Gareis, John. Compact eyeglass construction. 4,840,476, 6-20-89, Cl. 351-63.000.

Rooney, David T.: *See—*
  Huddleston, Paul M.; Porter, G. Burns, Jr.; and Rooney, David T., 4,855,922, Cl. 364-464.040.

Rooney, Dennis J., to National Manufacturing Co. Flashing bracket. 4,845,807, 7-11-89, Cl. 16-94.00R.

Rooney, Dennis J.: *See—*
  Nolte, Douglas A.; Rooney, Dennis J.; and Sandberg, Christopher T., 4,843,703, Cl. 29-432.100.
  Nolte, Douglas A.; and Rooney, Dennis J., 4,845,830, Cl. 29-432.100.

Rooney, James A.: *See—*
  Heyser, Richard C.; and Rooney, James A., 4,884,246, Cl. 367-7.000.

Rooney, John M.: *See—*
  Kneafsey, Brendan J.; Rooney, John M.; and MacAogain, Conor F., 4,867,817, Cl. 156-73.100.
  Steinkraus, Walter J.; Woods, John; Rooney, John M.; Jacobine, Anthony F.; and Glaser, David M., 4,808,638, Cl. 522-24.000.

Roop, Conard J.: *See—*
  Anderson, Thomas T.; Roop, Conard J.; Schmidt, Kenneth J.; and Gunchin, Elmer R., 4,829,828, Cl. 73-728.000.

Roop, Martin J.: *See—*
  Sofia, Samuel C.; Johnson, Kerrie A.; Crill, Marla S.; Roop, Martin J.; Gotberg, Steven R.; Nigrelli, Anthony S.; and Hutchinson, Laurence S., 4,795,531, Cl. 162-164.600.

Roop, Stevie C., to Medeco Security Locks, Inc. Combination switch lock/cam lock assembly. 4,829,798, 5-16-89, Cl. 70-379.00R.

Roos, Arie: *See—*
  Cooray, Boyd; Hope, Peter; Vleggaar, Jan; Helle, Kees; and Roos, Arie, 4,795,660, Cl. 427-123.000.

Roos, Friedrich; Brod, Peter; and Moller, Wilfried, to Babcock-BSH Aktiengesellschaft Vormals Buttner-Schilde-Haas AG. Continuous drier for veneer. 4,831,747, 5-23-89, Cl. 34-54.000.

Roos, Gerhard: *See—*
  Baur, Siegfried; Brandstetter, Rudi; and Roos, Gerhard, 4,821,552, Cl. 72-351.000.

Roos, Jan, to U.S. Philips Corporation. Image transfer apparatus utilizing optical fibers. 4,871,228, 10-3-89, Cl. 350-96.250.

Roos, Jan: *See—*
  Kramer, Pieter; and Roos, Jan, 4,807,209, Cl. 369-44.000.

Roos, Jurgen: *See—*
  Mertens, Theobald; and Roos, Jurgen, 4,796,875, Cl. 267-140.100.

Roos, Leo; Axon, Fredrick J.; and Briguglio, James J., to Morton Thiokol, Inc. Method of forming a conformable mask on a printed circuit board. 4,889,790, 12-26-89, Cl. 439-258.000.

Roos, Mark D.; and Messmer, Walter J., III, to EIP Microwave, Inc. Modular shielding assembly for electronic devices. 4,800,464, 1-24-89, Cl. 361-424.000.

Roos, Mark D., to EIP Microwave, Inc. Testing head device for a microwave network analyzer. 4,803,419, 2-7-89, Cl. 324-58.00R

Roos, Mark D.; and Messmer, Walter J., III, to EIP Microwave, Inc. Microwave distribution bar. 4,813,886, 3-21-89, Cl. 439-578.000.

Roos, Mark D., to EIP Microwave, Inc. Method for removing phase instabilities caused by flexure of cables in microwave network analyzer measurements. 4,839,578, 6-13-89, Cl. 324-58.00B.

Roos, Mark D.; and Messmer, Walter J., III, to EIP Microwave, Inc. Microwave main frame. 4,872,212, 10-3-89, Cl. 361-424.000.

Roos, Otto: *See—*
  Schnorrenberg, Gerd; Roos, Otto; Losel, Walter; Wiedemann, Ingrid; Gaida, Wolfram; and Hoefke, Wolfgang, 4,826,855, Cl. 514-301.000.

Roos, Rein: *See—*
  Blanchot, Michele; Dutertre-Laduree, Daniel; and Roos, Rein, 4,855,889, Cl. 363-19.000.

Roos, Scott L.: *See—*
  Brown, Tobias A.; Roos, Scott L.; Biancalana, Donald D.; and Westgaard, Donald J., 4,887,196, Cl. 362-148.000.

Roos, Tom O. M., to Stiftelsen Cellulosa-Och Pappersforskning. Method for burning evaporated waste liquor. 4,882,010, 11-21-89, Cl. 162-30.100.

Roosa, Paul D.; Gordon, Robert L.; and Mesquida, Barbara, to International Paper Company. Paperboard food carton and divider. 4,844,330, 7-4-89, Cl. 229-120.060.

Roosa, Vernon D., to Harp, Elwyn V.; and Baron, Glen H. Flushing means. 4,842,011, 6-27-89, Cl. 137-414.000.

Roosen, Raymond A.; De Meyer, Marcellus H.; and Monbaliu, Marcel J., to Agfa-Gevaert N.V. Process for the manufacture of a relief element. 4,830,941, 5-16-89, Cl. 430-7.000.

Root, Charles E. Can closure. 4,834,258, 5-30-89, Cl. 220-269.000.

Root, Jeffrey M.: *See—*
  Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael L.; and Winter, Daryl B., 4,840,815, Cl. 426-611.000.

Root, John A.: *See—*
  Waters, Mark H.; Reynolds, Charles; Root, John A.; and Whiteman, Robert N., Jr., 4,808,125, Cl. 439-607.000.

Root, Randolph E., to Hughes Aircraft Company. Method of making a chip carrier slotted array. 4,802,277, 2-7-89, Cl. 29-846.000.

Root, Randolph E.; and Vu, Thanh T., to Hughes Aircraft Company. Induced metallization process by way of dissociating aluminum nitride ceramic. 4,817,269, 4-4-89, Cl. 29-620.000.

Root, Richard T., to Du Pont de Nemours, E. I., and Company. Electrofusion cell and method of making the same. 4,832,814, 5-23-89, Cl. 204-299.00R.

Root, Walter E.: *See—*
  Opresko, Stephen T.; and Root, Walter E., 4,834,021, Cl. 118-720.000.

Roote, Robert J.; Pasco, Ian K.; Smithers, Ian J.; and Fisher, Paul J., to Combined Optical Industries Limited. Lens. 4,836,659, 6-6-89, Cl. 350-409.000.

Roou, Richard J., to Package Service Company, Inc. Method of producing sealed protective pouchs with premium object enclosed therein. 4,841,712, 6-27-89, Cl. 53-412.000.

Rooy, Elwin L.; Petrey, Gerald R.; Weaver, James R.; Granger, Douglas A.; Richter, Raymond T.; and Reavis, H. Gray, Jr., to Aluminum Company of America. Method for making lithoplate. 4,818,300, 4-4-89, Cl. 148-2.000.

Rooyackers, Cornelis J. P. M.: *See—*
  Smid, Albert; Akkermans, Antonius H. M.; Benschop, Jozef P. H.; and Rooyackers, Cornelis J. P. M., 4,861,982, Cl. 250-235.000.

Ropak Manufacturing Company, Inc.: *See—*
  Newman, Robert M.; and Warmath, Kenneth R., 4,884,599, Cl. 141-1.000.

Roper Corporation: *See—*
  Eichenseer, Robert, 4,867,337, Cl. 220-375.000.

Roper, Daniel W.; Kramer, Dennis A.; Malinowski, Mark E.; and Dombrowski, John, to Rockwell International Corporation. Antilock brake system. 4,836,616, 6-6-89, Cl. 303-92.000.

Roper, Jerry M., to Ethyl Corporation. Preparation of alpha-cyanophenoxybenzyl esters. 4,800,230, 1-24-89, Cl. 558-388.000.

Roper, Jerry M.: *See—*
  Smith, Frank J.; and Roper, Jerry M., 4,827,013, Cl. 558-406.000.

Roper, Lewis P., to PHR Furniture Limited. Pedestal chairs. 4,852,943, 8-1-89, Cl. 297-302.000.

Roper Whitney Company: *See—*
  Benedict, Roger J.; and Forlow, John K., 4,879,894, Cl. 72-405.000.

Roppelt, Guenter; Schick, Fuerth; and Ziegler, Herbert, to Brown, Boveri & Cie AG. Measuring method for determining the difference between an A-C voltage and another voltage, as well as a measuring device for carrying out the same. 4,864,224, 9-5-89, Cl. 324-119.000.

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  Ziegler, Herbert; Clever, Carl W.; and Roppelt, Gunter, 4,858,153, Cl. 364-550.000.
Roppongi, Yasunobu: *See—*
  Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.
Rops, Paul G., to Eaton Corporation. Hall-Effect position sensing system and device. 4,853,629, 8-1-89, Cl. 324-208.000.
Roque, Benjamin: *See—*
  Simon, Michael; and Roque, Benjamin, 4,887,074, Cl. 340-782.000.
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  Aurelle, Yves; Bernasconi, Christian; Besombes-Vailhe, Jean; Julien, Edmond; and Roques, Henri, 4,889,537, Cl. 44-53.000.
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  Boursier, Bernard, 4,840,797. Cl. 424-475.000.
  Bussiere, Guy; and Lablee, Jean, 4,851,237, Cl. 426-39.000.
  Bussiere, Guy; and Lablee, Jean, 4,851,238, Cl. 426-39.000.
  Devos, Francis; and Gouy, Pierre-Antoine, 4,846,139, Cl. 127-40.000.
  Devos, Francis; and Gouy, Pierre-Antoine, 4,849,023, Cl. 127-40.000.
  Leleu, Jean-Bernard; and LeMay, Patrick, 4,877,889, Cl. 549-292.000.
  Serpelloni, Michel, 4,831,129, Cl. 536-124.000.
Rorden, Louis H.; and More, Henry S., to Develco, Inc. Method and apparatus for stabilizing a communication sensor in a borehole. 4,823,125, 4-18-89, Cl. 340-854.000.
Rorden, Louis H.; and Moore, T. Charles, to Develco, Inc. Actuation method. 4,878,053, 10-31-89, Cl. 340-853.000.
Rorden, Randall J.; Arthur, Ronald B.; and Muhlestein, Mark, to Icon International, Inc. Static frame digital memory. 4,839,796, 6-13-89, Cl. 364-200.000.
Rorer Biotechnology, Inc.: *See—*
  Jaye, Michael; Burgess, Wilson; Maciag, Thomas; and Drohan, William, 4,868,113, Cl. 435-70.000.
Rorer, Morris P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,810,282, 3-7-89, Cl. 71-90.000.
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Rorer, Morris P.: *See—*
  Christensen, Joel R.; and Rorer, Morris P., 4,801,327, Cl. 71-92.000.
Rorer Pharmaceutical Corporation: *See—*
  Buehler, John D.; Luber, Joseph R.; and Grim, Wayne M., 4,869,902, Cl. 424-686.000.
  Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Dodson, Stuart A., 4,847,264, Cl. 514-300.000.
  Decktor, Dennis L.; Fitzpatrick, Leo R.; and Campbell, Henry F., 4,831,040, Cl. 514-291.000.
  Faith, William C.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Barnes, James L., 4,806,535, Cl. 514-248.000.
  Felt, George R.; Multhauf, Donna K.; and Wagle, Sudhakar S., 4,876,891, Cl. 73-426.000.
  Huang, Fu-chih, 4,866,173, Cl. 544-224.000.
  Huang, Fu-chih, 4,889,868, Cl. 514-392.000.
  Kesselman, Morris; Purkaystha, Abdur R.; and Cahill, James, 4,804,535, Cl. 424-141.000.
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Dodson, Stuart A.; Galemmo, Robert A., Jr.; and Durham, Pamela J., 4,816,583, Cl. 544-7.000.
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Molino, Bruce F., 4,818,755, Cl. 514-228.200.
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Faith, William C., 4,826,835, Cl. 514-210.000.
  Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,868,300, Cl. 544-119.000.
  Lee, Ted C. K.; and Hrinda, Michael E., 4,877,608, Cl. 424-85.800.
  Lee, Thomas D. Y., 4,868,193, Cl. 514-314.000.
  Mehta, Gunvant N.; Wertan, Dennis J.; and Grim, Wayne M., 4,856,909, Cl. 366-208.000.
  Neiss, Edward S.; Stevenson, David; Ho, Laurence L.; Liu, Robert C.; and Suh, John T., 4,804,742, Cl. 530-307.000.
  Neuenschwander, Kent W.; Regan, John R.; and Kosmider, Benedict J., 4,863,957, Cl. 514-460.000.
  Orlowski, Ronald C.; Seyler, Jay K.; Geever, James E.; and Flanigan, Everett, 4,820,804, Cl. 530-307.000.
  Orlowski, Ronald C.; Stahl, Glenn L.; and Colescott, Robert L., 4,824,936, Cl. 530-307.000.
  Pendleton, Robert G.; Pendley, Charles E., II; Suh, John T.; Yu, Kin T.; Menard, Paul R.; and Herczeg, Tihamer, 4,849,416, Cl. 514-150.000.
  Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,795,757, Cl. 514-415.000.
  Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,843,081, Cl. 514-307.000.
  Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; and Kuhla, Donald E., 4,822,794, Cl. 514-230.500.
  Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; and Kuhla, Donald E., 4,829,066, Cl. 514-230.500.
  Spada, Alfred P.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; Faith, William C.; and Molino, Bruce F., 4,859,672, Cl. 514-254.000.
  Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; Kuhla, Donald E.; and Tucker, Thomas, 4,866,074, Cl. 514-300.000.
  Suh, John T.; Pendelton, Robert G.; Pendley, Charles E., II; Yu, Kin T.; Menard, Paul R.; and Schreiber, Alain B., 4,861,795, Cl. 514-510.000.
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; and Desai, Rohit, 4,839,369, Cl. 514-314.000.
  Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,857,517, Cl. 514-161.000.
  Youssefyeh, Raymond; Klein, Scott I.; Campbell, Henry F.; and Kuhla, Donald E., 4,859,683, Cl. 514-299.000.
  Youssefyeh, Raymond; Chakraborty, Utpal; Magnien, Ernest; Desai, Rohit; and Lee, Thomas D-Y, 4,874,769, Cl. 514-314.000.
  Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,820,729, Cl. 514-542.000.
  Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,831,184, Cl. 560-43.000.
  Youssefyeh, Raymond D.; and Jones, Howard, 4,839,367, Cl. 514-312.000.
  Youssefyeh, Raymond D.; Campbell, Henry F.; and Kuhla, Donald E., 4,863,921, Cl. 514-230.500.
  Zol, Gerhard; and Pfarrhofer, Gerhard, 4,849,530, Cl. 549-491.000.
Rorick, Donald E.; Hayes, Frank M.; and Aspy, Robert O., to Phelps Dodge Industries, Inc. Traverse assembly for use on tapered flange spools. 4,856,731, 8-15-89, Cl. 242-158.00R.
Rorie, Leon: *See—*
  Smith, Gerald J.; Trask, Elwood G.; Ellis, Paul; Johnston, Jon; Campbell, Brian; and Rorie, Leon, 4,888,234, Cl. 428-234.000.
Rorig, Hans; and Porta, Norbert, to Akzo N.V. Thickened aqueous cleaning compositions. 4,842,771, 6-27-89, Cl. 252-547.000.
Rorig, Hans; and Porta, Norbert, to Akzo N.V. Thickening compositions and thickened aqueous acid solutions. 4,853,146, 8-1-89, Cl. 252-142.000.
Rorig, Hans: *See—*
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  Haslam, John L.; and Rork, Gerald S., 4,886,668, Cl. 424-424.000.
  Zentner, Gaylen M.; Himmelstein, Kenneth J.; and Rork, Gerald S., 4,851,228, Cl. 424-456.000.
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Rosa, Bruno A.; Harwood, Jon W.; Moring, Walter G., III; and Resuggan, Peter L., to AP Industries, Inc. Apparatus for machining a bent elongated member of variable configuration. 4,806,726, 2-21-89, Cl. 219-121.670.
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Rosa, Onorino: *See—*
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Rosado, Serafin M.; and Vallejo, Luiz E. D., to Carnot, S.A. Power cycle having a working fluid comprising a mixture of substances. 4,838,027, 6-13-89, Cl. 60-671.000.
Rosaen, Lars O. Fluid flow indicator including a hall effect transducer. 4,825,707, 5-2-89, Cl. 73-861.770.
Rosaen, Lars O., to Universal Flow Monitors Inc. Fluid flow meter. 4,836,021, 6-6-89, Cl. 73-259.000.
Rosanio, Louis G., Jr.: *See—*
  Koskol, Joseph E.; Santucci, Robert J.; and Rosanio, Louis G., Jr. 4,863,029, Cl. 206-393.000.
Rosar, Edward C.; and Day, Roger L., to NaTec, Ltd. Nahcolite solution mining process. 4,815,790, 3-28-89, Cl. 299-4.000.
Rosar, George C.; and Clifford, David G., Jr., to Motorola, Inc. Adjustable electronic filter and method of tuning same. 4,800,348, 1-24-8 Cl. 333-202.000.
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  Risitano, Antonio; Rosario, Lanzafame; and Popp, Eugen 4,884,533, Cl. 123-25.00C.
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Rosati, Louis: *See—*
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  Casey, Donald J.; and Rosati, Louis, 4,882,168 Cl. 424-468.000.
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  Hoover, Dennis J.; and Rosati, Robert L., 4,859,654, Cl. 514-19.000.
Rosby Corporation: *See—*
  Yurgevich, Howard J., 4,844,672, Cl. 410-54.000.
Rosch, Fritz, to Alcan Aluminiumwerk Nurnberg GmbH. Internal combustion engine piston with laterally offset crudgeon-pin bore a piston head and body portions. 4,811,654, 3-14-89. Cl. 92-216.000.
Roscher, Gunter; Schmidt, Karl H.; Hey, Hansjorg; Langner, Hors and Andereya, Erwin, to Hoechst Aktiengesellschaft. Process for the isolation of vinyl acetate. 4,818,347, 4-4-89, Cl. 203-42.000.

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  Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.
Roschli, David: *See—*
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Rose, Alan D., to Texas Instruments Incorporated. Apertured ring for exhausting plasma reactor gases. 4,820,371, 4-11-89, Cl. 156-345.000.
Rose, Andrew M.: *See—*
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Rose, Benjamin L., Jr., to American Geodesics, Inc. Domical structure and method for its manufacture. 4,798,032, 1-17-89, Cl. 52-81.000.
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  Miles, Thomas R.; and Rose, Bill L., 4,869,235, Cl. 126-271.20R.
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  Combs-Rose, Kimberly; and Rose, Carl, 4,858,990, Cl. 297-184.000.
Rose, Clyde E., to Browning Corporation. Adjustable shotgun rib. 4,878,308, 11-7-89, Cl. 42-102.000.
Rose, Connie. Disposable bibs, packaging and affixing tabs. 4,884,299, 12-5-89, Cl. 2-49.00R.
Rose, David; Lieske, Edgar; and Maak, Norbert, to Henkel Kommanditgesellschaft auf Aktien. Hair dye preparations containing substantive nitrodiphenylamine derivatives. 4,832,697, 5-23-89, Cl. 8-429.000.
Rose, David; Maak, Norbert; and Lieske, Edgar, to Henkel Kommanditgesellschaft auf Aktien. Oxidation hair dyes comprising substituted dihydroxypyridines as coupling components. 4,838,893, 6-13-89, Cl. 8-405.000.
Rose, David; Lieske, Edgar; and Maak, Norbert, to Henkel Kommanditgesellschaft auf Aktien. Aminophenyl alkylenediamines useful in oxidation hair dyes. 4,842,612, 6-27-89, Cl. 8-411.000.
Rose, David; Lieske, Edgar; Hoeffkes, Horst; and Maak, Norbert, to Henkel Kommanditgesellschaft auf Aktien. Hair dye preparations containing nitrodiphenylamine derivative. 4,859,206, 8-22-89, Cl. 8-429.000.
Rose, David B.: *See—*
  Derhaag, Robert L.; and Rose, David B., 4,875,233, Cl. 379-430.000.
Rose, David W., to American Electronics, Inc. Range determination method and apparatus. 4,843,565, 6-27-89, Cl. 364-513.000.
Rose Elektrotechnik GmbH & Co. K.G.: *See—*
  Pohlmann, Franz, 4,884,715, Cl. 220-76.000.
Rose, Floyd D. Tremolo apparatus having broken string compensation feature. 4,882,967, 11-28-89, Cl. 84-313.000.
Rose, Frederick A. Communications management system. 4,878,196, 10-31-89, Cl. 364-900.000.
Rose, Fritz: *See—*
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Rose, Gene D.; Teot, Arthur S.; and Foster, Kenneth L., to Dow Chemical Company, The. Aqueous bleach compositions thickened with a viscoelastic surfactant. 4,800,036, 1-24-89, Cl. 252-102.000.
Rose, Gene D.; and Teot, Arthur S., to Dow Chemical Company, The. Water-based hydraulic fluids. 4,806,256, 2-21-89, Cl. 252-71.000.
Rose, Gene D.; Teot, Arthur S.; and Seymour, Keith G., to Dow Chemical Company, The. Fluorine containing viscoelastic surfactants. 4,880,565, 11-14-89, Cl. 252-355.000.
Rose, Gerard R., to Nalco Chemical Company. Pulp mill waste color removal with carbon absorbents. 4,851,128, 7-25-89, Cl. 210-669.000.
Rose, H. Barry. Telephone call screening apparatus. 4,850,013, 7-18-89, Cl. 379-199.000.
Rose, Hans, to Messerschmitt-Bolkow-Blohm GmbH. Clamping device, especially for printed circuit boards. 4,794,676, 1-3-89, Cl. 24-495.000.
Rose, Harald, to Siemens Aktiengesellschaft. Particle beam apparatus for low-error imaging of line-shaped subjects. 4,853,545, 8-1-89, Cl. 250-396.00R.
Rose, Ira M.: *See—*
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Rose, James B., to E-Systems, Inc. Slant record/helical scan playback certifier. 4,887,171, 12-12-89, Cl. 360-31.000.
Rose, James H.; and Spector, George. Quickie mirror. 4,860,989, 8-29-89, Cl. 248-471.000.
Rose, Jed E., to University of California, The Regents of the. Smoking of regenerated tobacco smoke. 4,846,199, 7-11-89, Cl. 131-329.000.
Rose, Jochen; and Roal, Wolfgang, to Standard Elektrik Lorenz Aktiengesellschaft. Pulse generator. 4,801,814, 1-31-89, Cl. 307-106.000.
Rose, Jochen, to Standard Elektrik Lorenz Aktiengesellschaft. Pulse generator. 4,837,456, 6-6-89, Cl. 307-106.000.
Rose, John F., to Proximity Controls, Inc. Rotary shaft position reed switch. 4,831,350, 5-16-89, Cl. 335-205.000.
Rose, Keith A.; and Ascencio, Ramon J. Twist-on battery connector. 4,830,624, 5-16-89, Cl. 439-388.000.
Rose, Mark W., to Dalsat, Inc. Method of sectioning an antennae reflector. 4,841,305, 6-20-89, Cl. 343-912.000.
Rose, Martin: *See—*
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Rose, Maurice T.: *See—*
  Edgecomb, Robert K.; Rose, Maurice T.; and Smith, Rodney B., 4,842,010, Cl. 137-343.000.
Rose, Michael B.: *See—*
  Vroom, Kenneth B.; and Rose, Michael B., 4,818,405, Cl. 210-603.000.
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  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
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Rose, Peter H.; Farley, Marvin; and Grodzins, Lee, to Eaton Corporation. Treating work pieces with electro-magnetically scanned ion beams. 4,804,852, 2-14-89, Cl. 250-492.100.
Rose, Peter W.: *See—*
  Rough, J. Kirkwood H.; and Rose, Peter W., 4,887,005, Cl. 315-111.210.
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  Carr, Thomas W.; Rose, Philip M.; and Marsh, Alan H., 4,817,756, Cl. 181-214.000.
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Rose, Todd N.: *See—*
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Rose, William H.: *See—*
  Fleak, David S.; Rose, William H.; and Taylor, Attalee S., 4,812,133, Cl. 439-248.000.
  Galloway, Michael D.; Rose, William H.; and Shaffer, David T., 4,842,525, Cl. 439-34.000.
  Gingerich, David J.; Rose, William H.; Rupnik, David W.; and Shaffer, David T., 4,805,885, Cl. 267-165.000.
Rose, William J., to Coleco Industries, Inc. Talking doll responsive to external signal. 4,840,602, 6-20-89, Cl. 446-175.000.
Rose, William J., to Coleco Industries, Inc. Conversing dolls. 4,857,030, 8-15-89, Cl. 446-303.000.
Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hagen, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, to BASF Aktiengesellschaft. Influencing the development of crops with 7-chloroquinoline-8-carboxylic acids. 4,857,10[illegible]-89, Cl. 71-94.000.
Rosebrock, Je[illegible] to U.S. Philips Corporation. System for transmitting or st[illegible] signals. 4,849,758, 7-18-89, Cl. 341-143.000.
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Roseiro, Antonio H. R. Dental apparatus for odontopediatrics. 4,826,432, 5-2-89, Cl. 433-79.000.
Roselle, Brian J., to Procter & Gamble Company, The. Thickened aqueous compositions with suspended solids. 4,824,590, 4-25-89, Cl. 252-90.000.
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  Gabriel, Steven M.; and Roselle, Brian J., 4,859,358, Cl. 252-99.000.
Roselle, Paul: *See—*
  Rivaud, Lydia L.; Roselle, Paul; and Losee, David, 4,888,298, Cl. 437-43.000.
Roselle, Paul J.; and Benkusky, Richard T., to Unisys Corporation. Sealing of contact openings for conformally coated connectors for printed circuit board assemblies. 4,820,196, 4-11-89, Cl. 439-519.000.
Roselli, Auro. Nonrigid wing aircraft. 4,860,970, 8-29-89, Cl. 244-16.000.
Roselli, Peter J. C.: *See—*
  Nixon, Rodger J.; Roselli, Peter J. C.; Armstrong, David I.; Lindley, Martin K.; and de la Bere, Imogen E., 4,841,441, Cl. 364-401.000.
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  Frick, Roger L.; and Pierce, Dean S., 4,798,089, Cl. 73-706.000.
  Frick, Roger L.; Pierce, Dean S.; and Broden, David A., 4,833,922, Cl. 73-756.000.
  Frick, Roger L., 4,866,435, Cl. 340-870.160.
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- Knecht, Thomas A.; Ruf, James; and Schulte, John P., 4,800,758, Cl. 73-727.000.
- Knecht, Thomas A.; Frick, Roger L.; and Bruesehoff, Steven M., 4,833,920, Cl. 73-717.000.
- Koluvek, Roland H., 4,829,253, Cl. 324-438.000.
- Longsdorf, Randy J., 4,804,958, Cl. 340-870.070.
- Meyer, Stephen R., 4,859,176, Cl. 432-225.000.
- O'Brien, Richard J.; and Myhre, Douglas C., 4,836,689, Cl. 374-125.000.
- Orth, Kelly M.; Quist, Steven M.; Frick, Roger L.; and Paschke, Randy K., 4,818,994, Cl. 340-870.210.
- Schulte, John P.; Orth, Kelly M.; Frick, Roger L.; Westfield, Brian L.; and Paschke, Randy K., 4,878,012, Cl. 324-60.0CD.
- Sittler, Fred C.; and Bohara, Robert C., 4,808,009, Cl. 374-178.000.
- Sittler, Fred C.; and Nelson, Cynthia R., 4,869,282, Cl. 137-15.000.

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- Johnston, James S.; Pownall, David W.; and White, Melvyn S., 4,821,566, Cl. 73-178.00R.

Rosen, Allen: *See—*
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Rosen, Arthur L.: *See—*
- Sehgal, Lakshman R.; De Woskin, Richard E.; Moss, Gerald S.; Gould, Steven A.; Rosen, Arthur L.; and Sehgal, Hansa, 4,826,811, Cl. 514-6.000.

Rosen, Arye; and Lee, Chi H., to General Electric Company. Direct DC to RF conversion by impulse excitation. 4,805,084, 2-14-89, Cl. 363-147.000.

Rosen, Arye: *See—*
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Rosen, Gerald M., to M.R.I., Inc. Use of charged nitroxides as NMR image enhancing agents for CSF. 4,834,964, 5-30-89, Cl. 424-9.000.

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- Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., 4,873,430, Cl. 250-225.000.

Rosen, Harold A., to Hughes Aircraft Company. Satellite communications system employing frequency reuse. 4,819,227, 4-4-89, Cl. 370-75.000.

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- Hudspeth, Thomas; Kaplan, David S.; and Rosen, Harold A., 4,831,334, Cl. 330-10.000.

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Rosen, Howard Display package. 4,813,534, 3-21-89, Cl. 206-459.000.

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Rosen, Johnny; and Wulff, Par, to Triflex Biomarin AB. Plant for fish farming in the open sea. 4,798,169, 1-17-89, Cl. 119-3.000.

Rosen, Jonathan J.: *See—*
- Penny, William H., III; Rosen, Jonathan J.; and Acosta, George M., 4,816,029, Cl. 623-2.000.

Rosen, Leon. Crime prevention marking system. 4,848,246, 7-18-89, Cl. 109-25.000.

Rosen, Leon D.: *See—*
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Rosen, Marvin; and Iandoli, Kenneth J., to Lonza, Inc. Admixtures of iodopropargyl compounds and a formaldehyde donor. 4,844,891, 7-4-89, Cl. 424-76.400.

Rosen, Meyer R.; Marlin, Lawrence; and Bracco, Anthony C., to Union Carbide Corporation. Process for agglomerating mineral ore concentrate utilizing dispersions of polymer binders or dry polymer binders. 4,802,914, 2-7-89, Cl. 75-3.000.

Rosen, Mordecai D.: *See—*
- Campbell, Edward M.; and Rosen, Mordecai D., 4,827,479, Cl. 372-5.000.

Rosen, Nathan C., to Combined Information Technologies, Inc. Means for marketing. 4,853,852, 8-1-89, Cl. 364-401.000.

Rosen, Paul G. W. Time slot summation communication system for allowing conference calls. 4,829,513, 5-9-89, Cl. 370-62.000.

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- Coffen, David L.; Holland, George W.; Mandeville, W. Harry; Rosen, Perry; and Wong, Frederick, 4,866,205, Cl. 562-504.000.
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Rosen, Richard A. Method and means for adapting plumbing valve stems to desired trim. 4,796,348, 1-10-89, Cl. 29-401.100.

Rosen, Sanford: *See—*
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Rosen, Stanley D., to Ford Motor Company. Coast clutch control for multiple speed automatic transmission. 4,856,383, 8-15-89, Cl. 74-869.000.

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Rosen, Stuart M.: *See—*
- Walliker, John R.; Rosen, Stuart M.; and Fourcin, Adrian J., 4,809,329, Cl. 381-36.000.

Rosen, Terry J.: *See—*
- Chu, Daniel T.; and Rosen, Terry J., 4,859,776, Cl. 546-123.000.
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Rosen, Vicki: *See—*
- Wang, Elizabeth A.; Wozney, John M.; and Rosen, Vicki, 4,877,864, Cl. 530-324.000.

Rosen, William E.: *See—*
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Rosenbaum, Georges; and Grollier, Jean F., to L'Oreal. Photostable cosmetic composition containing trihydroxyethylrutin in combination with water-soluble sunscreens derived from benzylidenecamphor and its use in the protection of the skin and the hair. 4,837,00 6-6-89, Cl. 424-47.000.

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- Grollier, Jean F.; and Rosenbaum, Georges, 4,832,943, Cl. 424-59.000.
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- Lay, Kenneth W.; Rosenbaum, Herman S.; and Davies, John H., 4,869,867, Cl. 376-421.000.
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Rosenbaum, Steven: *See—*
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Rosenberg, Allan H.: *See—*
- Markarian, Herand M.; Rosenberg, Allan H.; and Cohen, George L., 4,818,512, Cl. 423-462.000.

Rosenberg, Arnold M.; Gaidis, James M.; and Kindt, Lawrence J., to W. R. Grace & Co.-Conn. Silica fume slurry. 4,888,058, 12-19-89, Cl. 106-98.000.

Rosenberg, Avraham: *See—*
- Levy, Amir; Glickman, Ilan; Berezniak, Haim; and Rosenberg, Avraham, 4,811,664, Cl. 102-226.000.

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Rosenberg, Cynthia S.: *See—*
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- Burkhart, Gilbert B., III; Casper, Don; and Rosenberg, David E., 4,821,400, Cl. 29-527.400.

Rosenberg, Duane L.: *See—*
- Lessar, Joseph F.; Rosenberg, Duane L.; Kraska, Robert E.; Spec[illegible]ien, James M.; and Upton, James E., 4,860,446, Cl. 29-858.000.

Rosenberg, Etan: *See—*
- Gross, Joseph; Lowenstein, David; Tilman, Menachem; Rosenberg, Etan; and Orian, Amelia, 4,794,830, Cl. 81-466.000.
- Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,807,624, Cl. 128-355.000.
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- Gutnick, David L.; Nestaas, Eirik; Rosenberg, Eugene; and S[illegible] Nechemia, 4,883,757, Cl. 435-252.100.
- Shoham, Yuval; Rosenberg, Eugene; and Gutnick, David L., 4,818,817, Cl. 536-1.100.

Rosenberg, Gerson: *See—*
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Rosenberg, Harry: *See—*
- Wojaczek, Egon; Seeberger, Klaus; Rosenberg, Harry; and Stradtmann, Wolfgang, 4,815,898, Cl. 405-296.000.

Rosenberg, Harvey J.: *See—*
- Solomon, Ruth; and Rosenberg, Harvey J., 4,875,238, Cl. 2-115.000.

Rosenberg, Helmut W. G., to Kendall Company, The. Urine meter with tilting guide. 4,850,375, 7-25-89, Cl. 128-767.000.

Rosenberg, Henri: *See—*
- Furness, Joseph T.; and Rosenberg, Henri, 4,813,265, Cl. 73-4.00R.

Rosenberg, Howard E.: *See—*
- Orlek, Barry S.; Hadley, Michael S.; Wadsworth, Harry J.; and Rosenberg, Howard E., 4,870,081, Cl. 514-299.000.

Rosenberg, Ira E., to Edge Line Products, Inc. Ski wax composition and process of application. 4,828,885, 5-9-89, Cl. 427-387.000.

Rosenberg, Irving; and Kuhn, James O. Optical personal inspection instrument. 4,850,688, 7-25-89, Cl. 350-621.000.

Rosenberg, Ivan: *See—*
- Holy, Antonin; and Rosenberg, Ivan, 4,808,716, Cl. 544-244.000.

Rosenberg, James H., to Erie Scientific Company. Container for holding packages of cover glass and individual glass slides. 4,828,111, 5-9-89, Cl. 206-456.000.

Rosenberg, Larry; Chadwick, Curt H.; and Brudny, Alex, to KLA Instruments Corporation. Method of molding a precision surface on an instrument table. 4,889,676, 12-26-89, Cl. 264-255.000.

Rosenberg, Leonard S.; Black, Cheryl; Speicher, Earl R.; and Wagenknecht, Dietmar, to Du Pont de Nemours, E. I., and Company. Stable pharmaceutical composition. 4,857,552, 8-15-89, Cl. 514-538.000.

Rosenberg, Lior. Balloon-type tissue expansion device. 4,800,901, 1-31-89, Cl. 128-899.000.

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- Adams, Craig W.; Leary, Jeffry J.; and Rosenberg, Martin, 4,840,892, Cl. 435-5.000.

Rosenberg, Maury. Telephone system/paging system interface. 4,825,456, 4-25-89, Cl. 379-57.000.

Rosenberg, Melvyn, to Ramot University Authority for Applied Research and Industrial Development Ltd. Device for detecting presence of micro-organisms in a sample. 4,801,547, 1-31-89, Cl. 435-292.000.

Rosenberg, Melvyn; and Eli, Ilana. Method of separating or purifying proteins and other biopolymers. 4,873,317, 10-10-89, Cl. 530-412.000.

Rosenberg, Michael E. Protective device for hypodermic needle. 4,857,060, 8-15-89, Cl. 604-192.000.

Rosenberg, Peretz. Back-flushable filter and pressure-regulator particularly useful therewith. 4,806,217, 2-21-89, Cl. 210-108.000.

Rosenberg, Peretz. Liquid dispensing device and water sprinkler including same. 4,819,872, 4-11-89, Cl. 239-119.000.

Rosenberg, Peretz. Rotary sprinklers. 4,832,264, 5-23-89, Cl. 239-222.170.

Rosenberg, Peretz. Automatic shut-off valve. 4,889,154, 12-26-89, Cl. 137-474.000.

Rosenberg, Richard C.: *See—*
- Patel, Ramanlal L.; Chew, Meng-Sang; Marsh, Richard A.; Rosenberg, Richard C.; and Thomas, Henry, Jr., 4,799,464, Cl. 123-90.410.

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Rosenberg, Saul H.; Dellaria, Joseph; Fung, Anthony K, L.; Kempf, Dale J.; Luly, Jay R.; and Plattner, Jacob J., to Abbott Laboratories. Angiotensinogen analogs. 4,857,507, 8-15-89, Cl. 514-18.000.

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- Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., 4,880,734, Cl. 435-68.000.
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Rosenberg, Werner, to Henkel Kommanditgesellschaft auf Aktien. Propellantless foam dispenser. 4,836,422, 6-6-89, Cl. 222-190.000.

Rosenberger, Bruce R.: *See—*
- Harton, Lynn M.; Rosenberger, Bruce R.; Anderson, John D.; and Walker, Clarence W., 4,886,468, Cl. 439-212.000.

Rosenberger, G. J.: *See—*
- Bannister, James R., Jr.; Hall, Julian W., Jr.; and Rosenberger, G. J., 4,846,163, Cl. 128-124.000.

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- Aig, Edward R.; Coffey, John W.; Lovey, Allen J.; and Rosenberger, Michael, 4,883,613, Cl. 260-408.000.
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Rosenberger, Siegfried; and Meier, Hans-Rudolf, to Ciba-Geigy Corporation. Stabilizers for organic polymers. 4,855,345, 8-8-89, Cl. 524-120.000.

Rosenblad, Axel E., to Rosenblad Corporation. Selective condensation apparatus. 4,878,535, 11-7-89, Cl. 165-114.000.

Rosenblad Corporation: *See—*
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Rosenblatt, Richard. Aspirator for collection of bodily fluids. 4,799,924, 1-24-89, Cl. 604-181.000.

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Rosenbloom, Howard: *See—*
- Pacentino, Thomas J.; Piacentino, Thomas J., Jr.; and Rosenbloom, Howard, 4,828,399, Cl. 366-345.000.

Rosenblum, Martin P.: *See—*
- Tu, Yue-Tung; Rosenblum, Martin P.; and English, Elliot V., 4,846,949, Cl. 204-192.210.

Rosenblum, Myron; and Matchett, Stephen A., to Brandeis University. Method of preparing metallocene compounds. 4,851,598, 7-25-89, Cl. 585-25.000.

Rosenblum, Myron, to Brandeis University. Organometallic polymer. 4,873,304, 10-10-89, Cl. 528-9.000.

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- Schuur, John; Willenborg, David L.; Taylor, Michael W.; and Rosencwaig, Allan, 4,795,260, Cl. 356-400.000.

Rosendall, Henry J., to Bissell, Inc. Sweeper with pivotally mounted dust bin. 4,878,261, 11-7-89, Cl. 15-41.00R.

Rosendall, Henry J.: *See—*
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,800,613, Cl. 15-321.000.
- Blase, Michael R.; Goodrich, Gordon W.; and Rosendall, Henry J., 4,827,562, Cl. 15-353.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,847,943, Cl. 15-352.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,854,544, Cl. 251-245.000.
- Blase, Michael R.; Rosendall, Henry J.; and Goodrich, Gordon W., 4,864,680, Cl. 15-321.000.
- Goodrich, Gordon W.; and Rosendall, Henry J., 4,809,393, Cl. 15-323.000.
- Yonkers, Robert A.; and Rosendall, Henry J., 4,8[illegible],430, Cl. 15-361.000.

Rosenfeld, Aron M.: *See—*
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Rosenfeld, Chaim, to Parma Development Ltd. Window shutter. 4,846,244, 7-11-89, Cl. 160-201.000.

Rosenfeld, Henry J.: *See—*
- Kaufman, Richard A.; Rosenfeld, Henry J.; and Zaunczkowski, Denise, 4,826,773, Cl. 436-105.000.

Rosenfeld, Jerold C., to Celanese Corporation. Stabilization of aromatic polyesters with mercaptobenzothiazole. 4,803,236, 2-7-89, Cl. 524-83.000.

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Rosenfeld, Samuel, deceased: *See—*
- Rosenfield, Gerson J.; Rosenfeld, Samuel, deceased; and Rosenfield, Rhoda, executrix, 4,800,005, Cl. 204-109.000.

Rosenfeld, Seymour; and Antonini, Gino, to Kings Electronics Co., Inc. Locking electrical connector. 4,810,206, 3-7-89, Cl. 439-325.000.

Rosenfeld, Ulrich: *See—*
- Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

Rosenfeld, Warner D.: *See—*
- Gerch, Edward L.; and Rosenfeld, Warner D., 4,819,796, Cl. 206-291.000.
- Gerch, Edward L.; and Rosenfeld, Warner D., 4,830,154, Cl. 190-103.000.

Rosenfeld, Yechiel; Kahhan, Larry; and Ding, Jaulin. Apparatus for remotely determining hook status conditions. 4,817,137, 3-28-89, Cl. 379-377.000.

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- Gossel, Helmut; Kuckertz, Herbert; Rittner, Siegbert; Rosenfelder, Josef; and Wojtech, Bernhard, 4,814,518, Cl. 568-708.000.

Rosenfield, Gerson J.; Rosenfeld, Samuel, deceased; and Rosenfield, Rhoda, executrix. Treatment plant for recovery of metal from hazardous waste. 4,800,005, 1-24-89, Cl. 204-109.000.

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- Rosenfield, Gerson J.; Rosenfeld, Samuel, deceased; and Rosenfield, Rhoda, executrix, 4,800,005, Cl. 204-109.000.

Rosenfield, Ronald H., to Alltech Services, Incorporated. Fruit juice extractor/straw. 4,889,044, 12-26-89, Cl. 99-510.000.

Rosengart, Henning. Electromedical treatment apparatus. 4,838,850, 6-13-89, Cl. 600-14.000.

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Rosenkranz, Roberto P.: *See—*
- Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., 4,837,305, Cl. 530-345.000.

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- Rosenkranz, Wolfgang: *See—*
  - Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.
- Rosenow, Anthony, to Frommelt Industries, Inc. Windstrap for pliable roll-type overhead door. 4,800,946, 1-31-89, Cl. 160-264.000.
- Rosenquist, Fred T.: *See—*
  - Bonora, Anthony C.; and Rosenquist, Fred T., 4,859,137, Cl. 414-648.000.
- Rosenquist, Joel C.: *See—*
  - Thompson, Kenneth J.; Foster, Wayne G.; Rosenquist, Joel C.; and Ketner, David S., 4,822,448, Cl. 156-538.000.
- Rosenquist, Niles R., to General Electric Company. Ester terminated polycarbonates. 4,814,395, 3-21-89, Cl. 525-433.000.
- Rosenquist, Niles R., to General Electric Company. Hydroxy terminated polycarbonates. 4,814,421, 3-21-89, Cl. 528-198.000.
- Rosenquist, Niles R., to General Electric Company. Copolyester-carbonate resins having trimellitic acid units in the polymer backbone and their use as crosslinking or branching agents. 4,826,928, 5-2-89, Cl. 525-439.000.
- Rosenquist, Niles R., to General Electric Company. Amino phenol end capped aromatic polycarbonate reacted with sulfonate. 4,857,627, 8-15-89, Cl. 528-199.000.
- Rosenstein, Robert W.; and Bloomster, Timothy G., to Becton Dickinson and Company. Solid phase assay employing capillary flow. 4,855,240, 8-8-89, Cl. 436-514.000.
- Rosenstein, Robert W.: *See—*
  - Nathans, Gene R.; and Rosenstein, Robert W., 4,841,024, Cl. 530-387.000.
- Rosenstiel, Stephen F.; and Deane, Edwin R. I., to National Research Development Corporation. Dental drill alignment indicator. 4,824,367, 4-25-89, Cl. 433-75.000.
- Rosenstiel, Terry L.: *See—*
  - Palmer, Jay W.; and Rosenstiel, Terry L., 4,849,193, Cl. 423-308.000.
- Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, to Akademie der Wissenschaften der DDR. Process for solid phase-sequencing of nucleic acid fragments. 4,849,077, 7-18-89, Cl. 264-182.800.
- Rosenthal, Andre; Hunger, Hans-Dieter; Kagelmaker, Horst; and Gratschus, Monika, to Akademie Der Wissenschaften Der DDR. Device for solid phase sequencing of nucleic acid fragments. 4,882,127, 11-21-89, Cl. 422-50.000.
- Rosenthal, Bruce C., to Kohler General Corporation. Multiple head woodworking apparatus with automated head positioning apparatus. 4,874,996, 10-17-89, Cl. 318-567.000.
- Rosenthal, Bruce C.; Zill, Kevin L.; Claerbaut, Kevin R.; Berglund, David M.; and Grover, Kenneth L., to Kohler General Corp. Woodworking machine having a plurality of sequentially operative multiple tool units. 4,878,524, 11-7-89, Cl. 144-356.000.
- Rosenthal, Dan G.; and Goebel, Joseph A., to Avco Lycoming/Subsidiary of Textron, Inc. Hybrid titanium alloy matrix composites. 4,816,347, 3-28-89, Cl. 428-615.000.
- Rosenthal, Dieter: *See—*
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- Rosenthal, Doren, to Mattel, Inc. Light responsive remote control vehicle. 4,865,575, 9-12-89, Cl. 446-175.000.
- Rosenthal, Doren, to Mattel, Inc. Toy detection and signaling circuit. 4,874,343, 10-17-89, Cl. 446-175.000.
- Rosenthal, Doy. Electric positioning apparatus. 4,872,363, 10-10-89, Cl. 74-479.000.
- Rosenthal, J. Scott. Key positioning apparatus. 4,821,542, 4-18-89, Cl. 70-454.000.
- Rosenthal, Janice E.: *See—*
  - Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.
- Rosenthal, Mark; and Dardick, David. Dice game. 4,834,386, 5-30-89, Cl. 273-146.000.
- Rosenthal, Murray W., to Jeffrey Martin, Inc. Dentifrice compositions. 4,863,722, 9-5-89, Cl. 424-49.000.
- Rosenthal, Robert D., to Futrex, Inc. Measurement locator and light shield for use in interactance testing of body composition and method for use thereof. 4,798,955, 1-17-89, Cl. 250-341.000.
- Rosenthal, Robert D., to Trebor Industries, Inc. Method and apparatus for near infrared reflectance measurement of non-homogeneous materials. 4,801,804, 1-31-89, Cl. 250-341.000.
- Rosenthal, Robert D., to Futrex, Inc. Near infrared apparatus and method for determining percent fat in a body. 4,850,365, 7-25-89, Cl. 128-664.000.
- Rosenthal, Stephen L.: *See—*
  - Irby, George P., III; and Rosenthal, Stephen L., 4,887,077, Cl. 340-825.470.
- Rosenthal, Walter. Smoking article and methods of making the same. 4,889,142, 12-26-89, Cl. 131-309.000.
- Rosentreter, Helga: *See—*
  - Wehling, Bernhard; Muller, Josef; and Rosentreter, Helga, 4,834,763, Cl. 8-94.260.
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- Rosenvold, Robert: *See—*
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  - Furey, Andrew J.; and Rosenwald, Frederic P., 4,799,485, C 128-11.000.
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- Rosier, Norma: *See—*
  - Flesher, Peter; Langley, John; Rosier, Norma; and Farrar, Dav 4,859,720, Cl. 523-332.000.
- Rosier, Randy N., to University of Iowa Research Foundation. Dig electroneurometer. 4,807,643, 2-28-89, Cl. 128-741.000.
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  - Lickei, Donald L.; Rosin, Michael L.; and Shen, Ming, 4,847,4 Cl. 562-583.000.
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  - Falk, Karl-Erik L.; Hugosson, Sven M.; Rosinski, Adam; and Sjogren, John A., 4,803,081, Cl. 424-488.000.
- Rosinski, Richard J.; and Milks, Robert R., to Dow Chemical Company, The. Thermoformed polyolefin articles having improved gloss. 4,837,074, 6-6-89, Cl. 428-220.000.
- Roska, Fred J.: *See—*
  - Li, Hin-Mo; and Roska, Fred J., 4,867,937, Cl. 264-290.200.
- Roske, Eckhard: *See—*
  - Puetter, Hermann; and Roske, Eckhard, 4,802,965, Cl. 264-182.400.
- Roskell, Derek: *See—*
  - Daniels, Martin D.; and Roskell, Derek, 4,860,290, Cl. 371-25.000.
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- Rosker, Werner: *See—*
  - Kammerling, Bruno; Rosker, Werner; Scholz, Eckhard-Karl; and Kowalski, Wolfgang, 4,828,228, Cl. 266-142.000.
- Roskilly, Stephen. Nursing bottle accessory having means for the introduction of a separate substance. 4,821,895, 4-18-89, Cl. 215-11.100.
- Rosky, David S., to Applied Micro Circuits Corporation. Method and apparatus for signal level conversion with clamped capacitive bootstrap. 4,835,420, 5-30-89, Cl. 307-475.000.
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- Rosman, Alan H., to Dynamic Hydraulic Systems, Inc. Hydraulically operated lift mechanism. 4,801,126, 1-31-89, Cl. 254-93.00R.
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  - Lang, Hans-Jochen; Rosner, Manfred; Weidmann, Klaus; Rippel, Robert; and Herling, Andreas W., 4,871,734, Cl. 514-212.000.
- Rosok, Mae J.; and Lostrom, Mark E., to Genetic Systems Corporation. Monoclonal antibodies to pseudomonas aeruginosa flagella. 4,834,976, 5-30-89, Cl. 424-87.000.
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  - Woodard, Ollie C., Sr.; and Ross, Andrew W., 4,829,243, Cl. 324-158.00R.
- Ross, Anne M.; and Kirkwood, David F., to Procter & Gamble Company, The. Laundry compositions. 4,795,584, 1-3-89, Cl. 252-174.230.
- Ross, Anthony J. Fitted sheet. 4,825,489, 5-2-89, Cl. 5-497.000.
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- Ross, Colby M.; Giusti, Frank, Jr.; and Hendrickson, James D., to Otis Engineering Corporation. Positive indication shear ring. 4,886,113, 12-12-89, Cl. 166-51.000.
- Ross, Colby M.: *See—*
  - Proctor, Lewis D.; Ross, Colby M.; Manzi, Brian P.; and Giusti, Frank, Jr., 4,840,229, Cl. 166-381.000.
- Ross, Colin F.: *See—*
  - Brearley, Malcolm; Phillips, Mark I.; Prescott, Robert D.; and Ross, Colin F., 4,852,953, Cl. 303-111.000.
- Ross, David S., to Zimpro/Passavant Inc. Slime control for primary filtration systems. 4,818,414, 4-4-89, Cl. 210-744.000.
- Ross, David W. Telecommunication controller having a telephone line sharing function. 4,807,278, 2-21-89, Cl. 379-184.000.
- Ross, Donald K.; and Luttermoser, Donald L. Electrically scoring dart board. 4,852,888, 8-1-89, Cl. 273-373.000.
- Ross, Douglas A., to SWR Inc. Means for connecting successive sections of tubular elements. 4,826,220, 5-2-89, Cl. 285-363.000.
- Ross, Ed: *See—*
  - Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.
- Ross, Edward A. Bicycle safety toe clip. 4,889,010, 12-26-89, Cl. 74-594.600.
- Ross, Erich: *See—*
  - Otto, Klaus; Moser, Thomas; Kippenberg, Horst; and Ross, Erich, 4,829,399, Cl. 361-321.000.
- Ross, Erno H.: *See—*
  - Skupen, William L.; and Ross, Erno H., 4,835,480, Cl. 328-75.000.
- Ross, Gail C.: *See—*
  - Ross, Bruce E.; and Ross, Gail C., 4,872,278, Cl. 40-424.000.
- Ross, Gary. Coaster with adjustable means for retaining a beverage container. 4,836,488, 6-6-89, Cl. 248-346.100.
- Ross, Gary. Combination mug with integral tea bag receptacle. 4,864,921, 9-12-89, Cl. 99-279.000.
- Ross, George R.: *See—*
  - Piotrowski, Robert D.; Ross, George R.; Str[illegible], Rudolf G. K.; Thundathil, Raju V.; and Tsai, Chee-Hway, 4,818,555, Cl. 426-599.000.
- Ross, Glenn D., to Sonoco Products Company. Fiberboard divider for shipping cartons. 4,884,740, 12-5-89, Cl. 229-120.260.
- Ross, Graham J., to Pneumatic Scale Corporation. Cyclically operable apparatus for forming and filing bags. 4,825,623, 5-2-89, Cl. 53-437.000.
- Ross, Graham J., to Pneumatic Scale Corporation. Settling systems for bag-in-box machines. 4,827,697, 5-9-89, Cl. 53-437.000.
- Ross, Hayes E., Jr.: *See—*
  - Sicking, Dean L.; and Ross, Hayes E., Jr., 4,815,565, Cl. 188-32.000.
- Ross, Hugh C., to Honeywell Inc. Stabilization control circuit for vertical position in an inertial navigator. 4,882,697, 11-21-89, Cl. 364-454.000.
- Ross, Ira J.: *See—*
  - Day, George B., V; Wells, Larry G.; Smith, Timothy D.; and Ross, Ira J., 4,813,216, Cl. 56-27.500.
- Ross, J. David, to Texas Scottish Rite Hospital for Crippled Children. Computer control apparatus including a gravity referenced inclinometer. 4,862,172, 8-29-89, Cl. 341-157.000.
- Ross, James M.: *See—*
  - Limuti, Donald; and Ross, James M., 4,809,150, Cl. 363-21.000.
- Ross, James W. Telephone line and instrument tester. 4,827,498, 5-2-89, Cl. 379-27.000.
- Ross, Jeff E.: *See—*
  - Pate, Gerry E.; Mullinax, Ronald L.; Sutton, Alexander G.; and Ross, Jeff E., 4,885,706, Cl. 364-551.010.
- Ross, Jeffrey L.; and Krueger, James W., to FMC Corporation. Computer controlled light contact feeder. 4,852,717, 8-1-89, Cl. 198-462.000.
- Ross, Jeffrey L.; and Jenkins, Richard S., to FMC Corporation. Master position encoder follower system for film feeding means. 4,868,759, 9-19-89, Cl. 364-468.000.
- Ross, Jody D. Steam scrubbing method and system for exhaust gases. 4,818,256, 4-4-89, Cl. 55-93.000.
- Ross, John P., to National Semiconductor Corporation. Discrete strip taper. 4,798,649, 1-17-89, Cl. 156-552.000.
- Ross, John R.: *See—*
  - Kierzkowski, Frank J.; and Ross, John R., 4,854,950, Cl. 55-213.000.
- Ross, John R., Jr. Tuckaway garment. 4,866,790, 9-19-89, Cl. 2-84.000.
- Ross, John T. Touring handle bar and brake adaptor lever. 4,862,762, 9-5-89, Cl. 74-551.100.
- Ross, Joseph; and Stern, Howard, to Robotic Vision Systems, Inc. Robot cell safety system. 4,804,860, 2-14-89, Cl. 307-117.000.
- Ross, Kenneth L.: *See—*
  - DiGangi, Joel D.; and Ross, Kenneth L., 4,852,592, Cl. 134-57.00R.
- Ross, Kenneth M.: *See—*
  - Tennant, Harry R.; Ross, Kenneth M.; and Saenz, Richard M., 4,829,423, Cl. 364-200.000.
- Ross, Larry I.: *See—*
  - Rutkowski, David J.; Ver Ploeg, Wendell J.; and Ross, Larry I., 4,796,712, Cl. 172-7.000.
- Ross, Lawrence D., Sr. Vehicle cover alarm system. 4,821,025, 4-11-89, Cl. 340-568.000.
- Ross, Ludwig; and Geiler, Volkmar, to Schott Glaswerke. Optical glass with refractive index ≧1.60, an abbe number ≧58, with high chemical stability and resistance to phase separation and crystallization. 4,814,299, 3-21-89, Cl. 501-78.000.
- Ross, Ludwig: *See—*
  - Grabowski, Danuta; and Ross, Ludwig, 4,824,809, Cl. 501-75.000.
- Ross, Mark J.: *See—*
  - Ross, Sidney A.; and Ross, Mark J., 4,800,893, Cl. 128-732.000.
- Ross, Mark S., to Mobil Oil Corporation. Flapper valve. 4,871,514, 10-3-89, Cl. 422-145.000.
- Ross, Mark S.: *See—*
  - Buyan, Frank M.; and Ross, Mark S., 4,808,383, Cl. 422-140.000.
- Ross, Melvin C. Surfboard fin mount. 4,804,347, 2-14-89, Cl. 441-79.000.
- Ross, Michael, to Northern Telecom Limited. High frequency phase detector using FET bridge. 4,864,254, 9-5-89, Cl. 331-8.000.
- Ross, Michael J.: *See—*
  - Hanson, Charles C.; and Ross, Michael J., 4,831,469, Cl. 360-75.000.
- Ross, Milton I. Method and apparatus for making encapsulated electronic circuit devices. 4,872,825, 10-10-89, Cl. 425-117.000.
- Ross, Murray A.; Adams, Gordon L.; and Sully, Michael A., to Champion Road Machinery Limited. Motor grader with high-lift and lock arrangement. 4,852,659, 8-1-89, Cl. 172-789.000.
- Ross Operating Valve Company: *See—*
  - Weiler, Charles A.; and Mathis, Logan H., 4,883,091, Cl. 137-625.640.
- Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., to St. Jude Medical, Inc. Electrochemical concentration detector device. 4,795,542, 1-3-89, Cl. 204-403.000.
- Ross, Philip N., Jr., to United States of America, Energy. Zinc electrode and rechargeable zinc-air battery. 4,842,963, 6-27-89, Cl. 429-21.000.
- Ross, Randall G., to BOC Group, Inc., The. Formation of oxide films by reactive sputtering. 4,849,081, 7-18-89, Cl. 204-192.150.
- Ross, Randall I.; and Gunn, Bradley, to Varian Associates, Inc. High voltage power supply for a microwave electron tube. 4,866,344, 9-12-89, Cl. 315-3.500.
- Ross, Randall R.; Bjornard, Eric; and Strand, David, to Energy Conversion Devices, Inc. Data storage device having a phase change memory medium reversible by direct overwrite. 4,876,667, 10-24-89, Cl. 365-113.000.

- Ross, Raymond L.: *See—*
  - Dixon, Samuel, Jr.; AuCoin, Thomas R.; and Ross, Raymond L., 4,864,645, Cl. 455-327.000.
- Ross, Richard D.: *See—*
  - Santoleri, Joseph J.; and Ross, Richard D., 4,882,009, Cl. 159-4.200.
- Ross, Richard E.; and Harvey, Donald R. Self-storing, retractable automobile cover. 4,856,842, 8-15-89, Cl. 296-136.000.
- Ross, Robert. Joystick control accessory for computerized aircraft flight simulation program. 4,820,162, 4-11-89, Cl. 434-45.000.
- Ross, Robert C.: *See—*
  - Blodgett, Mark S.; Ross, Robert C.; and Cline, Allen W., 4,846,482, Cl. 277-235.00B.
- Ross, Robert E.: *See—*
  - Banks, Lori J.; Thulin, Robert R.; Ross, Robert E.; and Schaeder, Walter E., 4,828,853, Cl. 426-94.000.
- Ross, Robert H., to Seco/Warwick Corporation. Ingot pusher furnace with means for reducing heat loss. 4,859,178, 8-22-89, Cl. 432-237.000.
- Ross, Robert J.: *See—*
  - Pellerin, Roy F.; and Ross, Robert J., 4,838,085, Cl. 73-597.000.
- Ross, Robert R.; and Vedejs, Ilona, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Cable closure and methods of assembling. 4,820,007, 4-11-89, Cl. 350-96.200.
- Ross, Ronald J.: *See—*
  - Gioffre, Anthony J.; and Ross, Ronald J., 4,818,518, Cl. 424-44.000.
- Ross, Rudi: *See—*
  - Krause, Hans; Ross, Rudi; and Koch, Helmut, 4,872,769, Cl. 384-226.000.
- Ross, Sidney A.; and Ross, Mark J. Kinesthetic physical movement feedback display for controlling the nervous system of a living organism. 4,800,893, 1-31-89, Cl. 128-732.000.
- Ross, Stanley E., to Ross Systems Corporation. Trephine dental drill. 4,820,156, 4-11-89, Cl. 433-165.000.
- Ross, Stanley E., to Ross Systems Corporation. Methods for forming dental prosthesis. 4,886,456, 12-12-89, Cl. 433-173.000.
- Ross, Stephen O., to Fisher Scientific Company. Adjustable hanger. 4,850,560, 7-25-89, Cl. 248-295.100.
- Ross, Stephen T.: *See—*
  - Kaiser, Carl; Kruse, Lawrence I.; and Ross, Stephen T., 4,873,357, Cl. 558-414.000.
  - Kruse, Lawrence I.; and Ross, Stephen T., 4,839,371, Cl. 514-345.000.
  - Kruse, Lawrence I.; Leonard, Thomas B.; and Ross, Stephen T., 4,876,266, Cl. 514-392.000.
  - Kruse, Lawrence I.; Ross, Stephen T.; and Ohlstein, Eliot H., 4,882,348, Cl. 514-398.000.
- Ross, Steven L.: *See—*
  - Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., 4,809,190, Cl. 364-510.000.
  - Homer, John C.; Nowshiravani, Shahriar; Ross, Steven L.; and Lutz, Gilbert F., 4,846,081, Cl. 110-186.000.
- Ross Systems Corporation: *See—*
  - Ross, Stanley E., 4,820,156, Cl. 433-165.000.
  - Ross, Stanley E., 4,886,456, Cl. 433-173.000.
- Ross, Thomas W.; Hill, Robert B.; and Goodspeed, Byron L., to Anthony Ross Company. Apparatus for regulating air flow through an air port of a chemical recovery furnace. 4,846,080, 7-11-89, Cl. 110-182.500.
- Ross, Timothy C.: *See—*
  - Modi, Pravin G.; Ross, Timothy C.; and Story, Paul R., 4,816,593, Cl. 556-89.000.
- Ross, Walter L.: *See—*
  - Fletcher, James C.; and Ross, Walter L., 4,849,903, Cl. 364-482.000.
- Ross, William A.; Toth, William D.; and Freeman, Gerald C., to Pitney Bowes Inc. Mailing machine sensing device. 4,831,273, 5-16-89, Cl. 250-561.000.
- Ross, William A.: *See—*
  - Nobile, John R.; Ross, William A.; and Toth, William D., 4,876,959, Cl. 101-233.000.
- Ross, William M., Jr.: *See—*
  - Brunton, Ellis W.; Haynes, Denver J.; and Ross, William M., Jr., 4,798,737, Cl. 426-602.000.
- Ross, William W.: *See—*
  - Woodley, George M.; McGrail, Richard A.; Powers, Stephen J.; and Ross, William W., 4,858,841, Cl. 242-56.00R.
- Rossato, Eride. Motor vehicle lift. 4,828,222, 5-9-89, Cl. 254-88.000.
- Rossato, Eride. Pantograph lifting ramps particularly for motor vehicles. 4,848,732, 7-18-89, Cl. 254-90.000.
- Rossberg, Rolf, to Alcatel N.V. Method and device for releasably fixing bare glass fibers in a splicing device. 4,830,646, 5-16-89, Cl. 65-3.110.
- Rossberger, Erwin; Weinmaier, Josef; and Ailler, Nikolaus, to Peroxid-Chemie GmbH. Degassing process for a worm extruder. 4,830,801, 5-16-89, Cl. 264-102.000.
- Rosse, Meinrad; and Rossier, Marc-Henri, to Nestec S. A. Process and apparatus for detecting leaks in sealed packages. 4,858,463, 8-22-89, Cl. 73-49.300.
- Rosselli, Richard A. Computer controlled apparatus for imparting a design onto the surface of a candle. 4,845,635, 7-4-89, Cl. 364-474.010.
- Rossetti, George A., Jr.: *See—*
  - Corbin, Normand D.; Hartline, Stephen D.; and Rossetti, George A., Jr., 4,869,943, Cl. 428-114.000.
- Rossetti, James J., to Advanced Tool Technologies, Inc. Method of making metal molds and dies. 4,818,336, 4-4-89, Cl. 156-651.000.
- Rossetti, James J., to Advanced Tool Technologies, Inc. Method of making metal molds and dies. 4,832,790, 5-23-89, Cl. 156-651.000.
- Rossey, Guy: *See—*
  - Manoury, Philippe; Rossey, Guy; Binet, Jean; DeFosse, Gerard; and Jabri, Najib, 4,857,536, Cl. 514-322.000.
- Rosshirt, Hermann: *See—*
  - Bishop, Eugene R.; Schneider, Matthew L.; and Rosshirt, Hermann, 4,841,243, Cl. 324-174.000.
- Rossi, Albert; Szykowski, John P.; and Tack, Robert D., to Exxon Chemical Patents Inc. Lubricating oil composition containing dual additive combination for low temperature viscosity improvement (PTF-004). 4,826,615, 5-2-89, Cl. 252-56.00R.
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- Rossi, Albert: *See—*
  - Tack, Robert D.; Pearce, Sarah L.; and Rossi, Albert, 4,810,260, Cl. 44-62.000.
- Rossi, Alessandro: *See—*
  - Brambilla, Enzo; Mantegani, Sergio; Pegrassi, Lorenzo; Rossi, Alessandro; and Temperilli, Aldemio, 4,839,363, Cl. 514-288.000.
  - Buonamici, Metilde; Pegrassi, Lorenzo; Rossi, Alessandro; and Mantegani, Sergio, 4,847,253, Cl. 514-253.000.
- Rossi, Alexander N.; and Sancen, Mario N., to Fluoroware, Inc. Method and apparatus for monitoring the location of wafer disks. 4,827,110, 5-2-89, Cl. 235-376.000.
- Rossi, Alexander N.; and Sancen, Mario N., to Fluoroware, Inc. Wafer disk location monitoring system and tagged process carriers for use therewith. 4,888,473, 12-19-89, Cl. 235-376.000.
- Rossi, Andrea: *See—*
  - Novelli, Giovanni; Rinaldi, Athos; and Rossi, Andrea, 4,867,228, Cl. 164-525.000.
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- Rossi, Domenico; and Cuomo, Andrea, to SGS-Thomson Microelectronics S.R.L. Analog multiplex for sensing the magnitude and sense of the current through a h-bridge stage utilizing a single sensing resistance. 4,879,641, 11-7-89, Cl. 363-98.000.
- Rossi, Domenico: *See—*
  - Salina, Alberto; Rossi, Domenico; and Diazzi, Claudio, 4,816,702, Cl. 307-475.000.
- Rossi, Dominico: *See—*
  - Storti, Sandro; Rossi, Dominico; and Di Natale, Giuseppe, 4,810,902, Cl. 307-446.000.
- Rossi, Gianfranco. Portable apparatus for removing food remains from the oral cavity. 4,806,101, 2-21-89, Cl. 433-92.000.
- Rossi, Giorgio: *See—*
  - Graziadei, Rinaldo; and Rossi, Giorgio, 4,872,206, Cl. 455-241.000.
- Rossi, Guglielmo; Gemma, Mario; and Bosing, Hans, to Ranco Incorporated of Delaware. Pressostat for pressure sensitive activation. 4,821,626, 4-18-89, Cl. 92-48.000.
- Rossi, Hannu, to Kone Oy. Disk brake motor. 4,811,820, 3-14-89, Cl. 188-71.600.
- Rossi, James L.; and Lawrence, Franklin B., to American Transportation Technology, Inc. Fuel tank dewatering apparatus. 4,861,469, 8-29-89, Cl. 210-172.000.
- Rossi, John J., to City of Hope. Synthetic oligonucleotides useful in diagnosis of chronic myelogenous leukemia. 4,874,853, 10-17-89, Cl. 536-27.000.
- Rossi, John P. System for compensating for the violation of the constant luminance principle in color television systems. 4,812,905, 3-14-89, Cl. 358-32.000.
- Rossi, John P. System for filtering color television signals utilizing comb filtering of liminance with variable combing level at low frequencies and filtering of chrominance by comb filtering time multiplexed color difference signals. 4,849,808, 7-18-89, Cl. 358-31.000.
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- Rossi, Lothar. Tachogenerator for electric machines. 4,868,443, 9-19-89, Cl. 310-268.000.
- Rossi, Marc A. Interior automobile light. 4,819,134, 4-4-89, Cl. 362-61.000.
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  - Ouhadi, Trazollah; Dehan, Louis; and Rossi, Marie L., 4,839,084, Cl. 252-174.210.
- Rossi, Nicholas J., to Manville Corporation. Method for applying a refractory layer on a surface and the layer produced thereby. 4,833,025, 5-23-89, Cl. 428-357.000.
- Rossi, Paul: *See—*
  - Smeets, Jacques; Dupuy, Marcel; and Rossi, Paul, 4,836,825, Cl. 453-49.000.
- Rossi, Piergiorgio; and Calanchi, Massimo, to Eurand Italia S.p.A. Process for the preparation of stabilized isosorbide-5-mononitrate tablets, being also of sustained release, and formulations thus obtained. 4,812,316, 3-14-89, Cl. 424-468.000.
- Rossi, Remo J.; and Grady, John. Anti-scatter grid system. 4,829,552, 5-9-89, Cl. 378-154.000.
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- Rossi, Robert D.; and Fenelli, Steven P., to National Starch and Chemical Corporation. Process for the preparation of ethynylbenzaldehydes. 4,849,546, 7-18-89, Cl. 568-433.000.
- Rossi, Vito N., to General Electric Company. Apparatus and method for lapping an edge surface of an object. 4,805,354, 2-21-89, Cl. 51-283.00E.
- Rossier, Marc-Henri: *See—*
  - Rosse, Meinrad; and Rossier, Marc-Henri, 4,858,463, Cl. 73-49.300.
- Rossigno, Louis P., to Allied-Signal Inc. Staked stud torque retention ribs. 4,820,076, 4-11-89, Cl. 403-284.000.
- Rossigno, Louis P.; and Nofzinger, Harold M., to Allied Signal Inc. Fastener for securing a shell to a firewall. 4,826,121, 5-2-89, Cl. 248-222.200.
- Rossignol, Georges: *See—*
  - Audoux, Christian; Rivas, Edouard; and Rossignol, Georges, 4,871,499, Cl. 264-173.000.
- Rossignol, Jean F., to SmithKline Beckman Corporation. Quinate salts of antimalarial phenanthrenemethanol compounds. 4,818,767, 4-4-89, Cl. 514-555.000.
- Rossini, Mauro; and Encicliati, Mario, to B.M. di Mauro Rossini & C. S.a.s. Multiple blade curtain, in particular a venetian blind. 4,817,698, 4-4-89, Cl. 160-107.000.
- Rossini, Robert S.; and Steinhauser, Walter J., to RMO, Inc. Method of making a pre-adjusted orthodontic bracket assembly. 4,819,316, 4-11-89, Cl. 29-160.600.
- Rossiter, Paul J.; and Rossiter, Tina A. Concrete finishing process. 4,859,504, 8-22-89, Cl. 427-262.000.
- Rossiter, Tina A.: *See—*
  - Rossiter, Paul J.; and Rossiter, Tina A., 4,859,504, Cl. 427-262.000.
- Rossiter, Valentine J. Flow-through cells for spectroscopy. 4,822,166, 4-18-89, Cl. 356-246.000.
- Rosskopf, Gerhard; and Seidel, Dietrich, to Intermedicat GmbH. Process and device for the selective separation of pathological and/or toxic species or plasma. 4,816,162, 3-28-89, Cl. 210-651.000.
- Rossman, Axel: *See—*
  - Huether, Werner; Rossman, Axel; and Sikorski, Siegfried, 4,878,821, Cl. 415-9.000.
- Rossman, Randall R.: *See—*
  - Mallams, Alan K.; and Rossman, Randall R., 4,808,575, Cl. 514-30.000.
  - Mallams, Alan K.; and Rossman, Randall R., 4,851,518, Cl. 536-71.000.
- Rossmanek, Peter: *See—*
  - Brunken, Gerd; Neubauer, Dieter; and Rossmanek, Peter, 4,809,833, Cl. 192-5[illegible].00B.
- Rossmanith, Erhard: *See—*
  - Wolf, Erhard; Rossmanith, Erhard; Bartlett, Robert R.; and Schleyerbach, Rudolf, 4,829,061, Cl. 514-218.000.
- Rossmann, Axel: *See—*
  - Huether, Werner; and Rossmann, Axel, 4,818,176, Cl. 415-9.000.
- Rossmann, Rudolf, to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Connection arrangement between a sabot jacket and the rear portion of a sabot projectile. 4,846,072, 7-11-89, Cl. 102-520.000.
- Rossmark, Rene T. M., to NV Medicopharma. Disposable syringe. 4,880,410, 11-14-89, Cl. 604-110.000.
- Rossmy, Gerd: *See—*
  - Gruning, Burghard; Holtschmidt, Ulrich; Koerner, Gotz; and Rossmy, Gerd, 4,844,980, Cl. 428-405.000.
- Rossnagel, Stephen M.: *See—*
  - Mikalesen, Donald J.; and Rossnagel, Stephen M., 4,824,544, Cl. 204-298.000.
- Rossner, Heinrich-Otto: *See—*
  - Bebber, Hans J.; Rossner, Heinrich-Otto; and Espendiller, Bernhard, 4,818,836, Cl. 219-121.540.
- Rosso, Alejandro: *See—*
  - Panza, Victor F.; Rosso, Alejandro; and Gayuli, Daniel A., 4,801,480, Cl. 428-40.000.
- Rosso, Charles. Nonsettling insulation structure. 4,885,886, 12-12-89, Cl. 52-404.000.
- Rosso, Matthew J., Jr: *See—*
  - Adlhart, Otto J.; and Rosso, Matthew J., Jr, 4,826,741, Cl. 429-19.000.
- Rosso, Vincent A.: *See—*
  - Balding, Alan S.; Carter, Nigel F.; Frampton, Paul F.; and Rosso, Vincent A., 4,829,448, Cl. 364-509.000.
- Rosso, Walter, to R.P.R. Righella di W. Rosso & C. S.a.s. Instrument for writing and drawing. 4,872,774, 10-10-89, Cl. 401-29.000.
- Rossoff, Irving S. Method of preparing a sulfonamide-food color additive for detection of sulfonamides in animal feeds and pharmaceuticals preparations. 4,840,909, 6-20-89, Cl. 436-20.000.
- Rossol, Gerhard: *See—*
  - Steinstrasser, Frank; and Rossol, Gerhard, 4,849,057, Cl. 202-96.000.
- Rosson, Betty Jo. Aquatic exercise device. 4,804,177, 2-14-89, Cl. 272-71.000.
- Rosson, John W. Race driver start signal reaction timer. 4,846,467, 7-11-89, Cl. 273-1.0GE.
- Rossopoulos, Stephane, to Hermes Precisa Internatinal S.A. Convertible print head. 4,854,752, 8-8-89, Cl. 400-124.000.
- Rossouw, Jan H.: *See—*
  - Rossouw, Pieter J.; and Rossouw, Jan H., 4,844,364, Cl. 241-275.000.
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  - Rossouw, Pieter J.; and Rossouw, Jan H., 4,877,192, Cl. 241-275.000.
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- Rossouw, Pieter J.; and Rossouw, Jan H. Rotary impact crusher main wear tip. 4,877,192, 10-31-89, Cl. 241-275.000.
- Rossy, Philip A.; Thyes, Marco; Franke, Albrecht; Koenig, Horst; Lehmann, Hans D.; Gries, Josef; Friedrich, Ludwig; and Lenke, Dieter, to BASF Aktiengesellschaft. 6-(acylaminoaryl)-3(2H)-pyridazinone derivatives, and their use. 4,873,246, 10-10-89, Cl. 514-252.000.
- Rost, Jan: *See—*
  - Meltsch, Hans-Jurgen; Rost, Jan, Behmer, Albin; and Mahler, Ernst, 4,825,016, Cl. 174-93.000.
  - Pichler, Klaus; Kunze, Dieter; Rost, Jan; and Haeder, Wolfgang, 4,808,772, Cl. 174-92.000.
- Rostaing, Paul: *See—*
  - Laurent, Claude; Rostaing, Paul; and Lyobard, Rene, 4,824,891, Cl. 524-264.000.
- Rostan, Michel: *See—*
  - Marie, Daniel; Rostan, Michel; Luco, Marc; and Thoor, Henry, 4,848,753, Cl. 266-117.000.
- Rostek, Charles J., Jr.: *See—*
  - Ramey, Chester E.; Thompson, Ronald E., and Rostek, Charles J., Jr., 4,804,717 Cl. 525-375.000.
- Rosten, David B.; Perchak, William C.; Foos, Douglas E.; Partlow, Richard L., Jr.; and Buhrke, Gary G., to Plastofilm Industries, Inc. Closure for pourable materials container. 4,819,829, 4-11-89, Cl. 220-346.000.
- Rosthauser, James W.: *See—*
  - Markusch, Peter H.; and Rosthauser, James W., 4,826,894, Cl. 523-415.000.
- Rostoker, Inc.: *See—*
  - Dvorscek, John; Rostoker, William; and Jarnholm, Arne R., 4,802,995, Cl. 210-761.000.
  - Rostoker, William; Bonini, Julius J.; and Jarnholm, Arne R., 4,829,152, Cl. 219-78.020.
- Rostoker, William; Bonini, Julius J.; and Jarnholm, Arne R., to Rostoker, Inc. Method of resistance welding a porous body to a substrate. 4,829,152, 5-9-89, Cl. 219-78.020.
- Rostoker, William: *See—*
  - Dvorscek, John; Rostoker, William; and Jarnholm, Arne R., 4,802,995, Cl. 210-761.000.
- Rostra Tool Company: *See—*
  - Steiner, Richard A., 4,805,302, Cl. 30-90.100.
- Rostrom, William C. Crustacean harvesting method and system. 4,831,773, 5-23-89, Cl. 43-100.000.
- Rostrup-Nielsen, Jens R.: *See—*
  - Stahl, Henrik O.; and Rostrup-Nielsen, Jens R., 4,830,834, Cl. 422-190.000.
- Rosty, Roberta; and Levi, David W., to United States of America, Army. Adhesive bonding. 4,835,016, 5-30-89, Cl. 427-307.000.
- Roszowski, Bogdan: *See—*
  - Hemsley, Stephen T.; and Roszowski, Bogdan, 4,889,287, Cl. 239-498.000.
- Rota, Fabio, to Satrind S.r.l. Shredding process and apparatus for carrying out said process. 4,824,028, 4-25-89, Cl. 241-24.000.
- Rotec Industries: *See—*
  - Oury, Robert F.; and Arndt, Charles J., 4,822,210, Cl. 404-106.000.
- Rotec Industries, Inc.: *See—*
  - Oury, Robert F., 4,846,580, Cl. 366-27.000.
  - Oury, Robert F.; and Gallione, Joseph, 4,875,569, Cl. 198-36.00D.
- Rotem, Abraham; Silberg, Etan; and Israeli, Shaul, to Sentop Ltd. Positioning system particularly useful for positioning agricultural implements. 4,835,691, 5-30-89, Cl. 364-424.020.
- Rotem, Haim; Shimoni, Yair; and Goldberg, Shmuel, to Elscint Ltd. Determining and correcting for phase jumps. 4,797,615, 1-10-89, Cl. 324-309.000.
- Rotem, Haim; and Shimoni, Yair, to Elscint Ltd. Spectral component separation in mr imaging. 4,871,967, 10-3-89, Cl. 324-309.000.
- Rotert, Gary A.: *See—*
  - Baranczuk, Richard J.; Spicer, Jay; Duncan, William P.; and Rotert, Gary A., 4,855,125, Cl. 424-1.100.
- Rotex Company: *See—*
  - Crutchfield, Mack W., 4,866,319, Cl. 310-47.000.
- Rotex, Inc.: *See—*
  - Lower, William E.; and Pogue, Glenn J., 4,797,204, Cl. 209-237.000.
  - Lower, William E.; McCauley, W. Nash; Mitchell, Stephen C.; Robins, Roger C.; and Schmidt, Steven A., 4,802,591, Cl. 209-680.000.
  - Lower, William E., 4,814,071, Cl. 209-243.000.
- Roth, Alfred C. Tapper/threader assembly. 4,879,929, 11-14-89, Cl. 82-110.000.
- Roth, Alfred C. Picnic table cover. 4,883,001, 11-28-89, Cl. 108-90.000.
- Roth, Arlen L. Sun visor formed from a food and beverage carrier. 4,837,865, 6-13-89, Cl. 2-196.000.
- Roth, Bernard M.; Neveu, Daniel R. M.; and Delikat, Catherine, to Bertin & Cie. Method and devices for measuring the temperature of a running filiform element. 4,856,911, 8-15-89, Cl. 374-135.000.
- Roth, Bradley C.: *See—*
  - Gebo, Charles H.; and Roth, Bradley C., 4,836,293, Cl. 177-1.000.
  - Gebo, Charles H.; and Roth, Bradley C., 4,878,552, Cl. 177-212.000.
- Roth, Bruce D.; and Sliskovic, Drago R., to Warner-Lambert Company. Trans-6-[2-(N-heteroaryl-3,5-disubstituted)pyrazol-4-yl)-

ethyl]- or ethenyl]tetrahydro-4-hydroxypyran-2-one inhibitors of cholesterol biosynthesis. 4,808,621, 2-28-89, Cl. 514-341.000.

Roth, Bruce D.: *See—*

Chucholowski, Alexander W.; Roth, Bruce D.; and Sliskovic, Drago R., 4,868,185, Cl. 514-256.000.

Roth, Cary A.: *See—*

Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., 4,836,307, Cl. 175-374.000.

Roth, Charles H., Jr.: *See—*

Wood, John D.; Savinell, Alan; Roth, Charles H., Jr.; Ellingson, Frederick J.; and Dailey, George F., 4,822,554, Cl. 376-261.000.

Roth, Charles S. Vehicle tray. 4,858,796, 8-22-89, Cl. 224-42.440.

Roth, Claris D.; Moser, Kenneth B.; Howell, Gail M.; and Urfer, Allen D., to Henkel Corporation. Alkylene oxide adducts of glycoside surfactants and detergent compositions containing same. 4,834,903, 5-30-89, Cl. 252-174.170.

Roth, David W.: *See—*

Altus, Mark; and Roth, David W., 4,829,627, Cl. 16-4.000.

Roth, Donald J.: *See—*

Mohr, Glenn R.; and Roth, Donald J., 4,853,510, Cl. 219-10.790.

Roth, Elwood A.: *See—*

Keedy, Vincent W., Jr.; and Roth, Elwood A., 4,866,822, Cl. 28-250.000.

Roth, Eric A.: *See—*

Jensen, Craig W.; Keller, Frederick R.; Morrow, Joel I.; and Roth, Eric A., 4,821,179, Cl. 364-200.000.

Roth, Ernst, to Siegenia-Frank KG. Stabilizer corner connection. 4,837,998, 6-13-89, Cl. 52-288.000.

Roth, Hans-Klaus: *See—*

Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, 4,886,627, Cl. 252-513.000.

Roth, Joanne: *See—*

Enochs, R. Scott; Jansen, Scott R.; Murphy, Daniel R.; Randall, Randy S.; and Roth, Joanne, 4,818,056, Cl. 350-96.200.

Roth, Laurence A.; Herman, Stephen J.; Turnquist, Carl R.; Sinofsky, Edward L.; and Wong, Jacob Y., to C. R. Bard, Inc. Catheter system for controlled removal by radiant energy of biological obstructions. 4,817,601, 4-4-89, Cl. 128-303.100.

Roth, Laurence A.: *See—*

Herman, Stephen J.; Roth, Laurence A.; Sinofsky, Edward L.; and Dickinson, Douglas W., Jr., 4,850,351, Cl. 128-303.100.

Roth, Leo E. Portable shelter with wind break. 4,870,984, 10-3-89, Cl. 135-109.000.

Roth, Mark S.: *See—*

Vidrine, Warren D., Jr.; and Roth, Mark S., 4,827,121, Cl. 250-227.000.

Roth, Martin, to Ciba-Geigy Corporation. Cyclic acetals or ketals of 8-keto esters or amides. 4,806,448, 2-21-89, Cl. 430-270.000.

Roth, Martin; and Monnier, Charles E., to Ciba-Geigy Corporation. So-called advanced epoxide resins based on cyclohex-1-ylmethylenediphenol derivatives or bicyclo(2.2.1)hept-1-ylmethylenediphenol derivatives. 4,808,740, 2-28-89, Cl. 528-97.000.

Roth, Martin; and Kiendl, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Joint for unfolding panels of a solar collector. 4,880,188, 11-14-89, Cl. 244-173.000.

Roth, Martin; Flury, Peter; and Eldin, Sameer H., to Ciba-Geigy Corporation. Copolymes formed from N-hydroxyphenylmaleinimide (derivatives) and allyl compounds. 4,888,402, 12-19-89, Cl. 526-262.000.

Roth, Martin: *See—*

Flury, Peter; Eldin, Sameer H.; Roth, Martin; and Rabener, Claus W., 4,855,367, Cl. 525-507.000.

Roth, Michael; and Gluck, Herbert, to Wacker-Chemie GmbH. Method for imparting water repellency to absorbent inorganic building materials. 4,835,014, 5-30-89, Cl. 427-299.000.

Roth, Nathan; and Nelsen, Andrew, to ALZA Corporation. Package having fiber-containing sheath and apparatus and method for packaging. 4,828,108, 5-9-89, Cl. 206-388.000.

Roth, Nathan; and Nelsen, Andrew, to ALZA Corporation. Package having fiber-containing sheath and apparatus and method for packaging. 4,828,109, 5-9-89, Cl. 206-388.000.

Roth, Norman J.; and Runyon, Ronnie J., to Delco Electronics Corporation. Interconnection lead with redundant bonding regions. 4,867,715, 9-19-89, Cl. 439-876.000.

Roth, Oscar, to Involvo AG. Apparatus for subdividing a running web of panels in zig-zag formation into stacks. 4,842,572, 6-27-89, Cl. 493-357.000.

Roth, Paul, to Motan Gesellschaft mit beschraenkter Haftung. Process for regenerating a moisture laden drying cartridge and apparatus for carrying out such a process. 4,858,335, 8-22-89, Cl. 34-32.000.

Roth, Rainer: *See—*

Haberrecker, Klaus; and Roth, Rainer, 4,841,557, Cl. 378-141.000.

Roth, Robert H.; Lampsat, Bruno G.; and Readnour, Jack L., to General Electric Company. Turbomachine airfoil mounting assembly. 4,832,568, 5-23-89, Cl. 415-189.000.

Roth, Robert S.: *See—*

Bamberg, Paul G.; Baker, James K.; Gillick, Laurence; and Roth, Robert S., 4,805,218, Cl. 381-43.000.

Gillick, Laurence; Bamberg, Paul G.; Baker, James K.; and Roth, Robert S., 4,837,831, Cl. 381-43.000.

Roth, Scott D., to Adept Technology, Inc. Vision system for distinguishing touching parts. 4,876,728, 10-24-89, Cl. 382-21.000.

Roth, Siegfried; and Mueller, Helmut, to Messerschmitt-Bolkow-Blohm GmbH. Observation and guide beam apparatus for day and night use. 4,861,996, 8-29-89, Cl. 250-330.000.

Roth, Stephen A., to II Morrow, Inc. Dynamically variable attenuator. 4,845,446, 7-4-89, Cl. 333-81.00R.

Roth, William H.; and Dull, Dennis C., to General Motors Corporation. Clutch damper with friction lag. 4,856,638, 8-15-89, Cl. 192-106.100.

Rothacher, Duane J.: *See—*

Williams, Richard K.; Bolger, Steven H.; and Rothacher, Duane J., 4,890,146, Cl. 357-23.800.

Rothacker, Eugen O.: *See—*

Kraus, James R.; and Rothacker, Eugen O., 4,819,501, Cl. 74-538.000.

Rothal, Richard I. Ear ornament. 4,827,738, 5-9-89, Cl. 63-14.100.

Rothaut, Josef: *See—*

Groll, Werner; and Rothaut, Josef, 4,863,514, Cl. 75-235.000.

Rothbard, Robert. Basketball hoop and net apparatus. 4,877,241, 10-31-89, Cl. 273-1.50R.

Rothbart, Michael A.; Serbia, George W.; and Carey, Elton H., to Beatrice/Hunt Wesson, Inc. Close-coupled process for improving the stability of soybean oil. 4,816,189, 3-28-89, Cl. 260-420.000.

Rothbury Investments Limited: *See—*

Risi, Angelo; and Risi, Antonio, 4,815,897, Cl. 405-284.000.

Rothe, Anselm; Knappe, Wolfgang-Reinhold; and Trasch, Heinz-Friedrich, to Boehringer Mannheim GmbH. Test strips and a process for the production thereof. 4,820,489, 4-11-89, Cl. 422-56.000.

Rothe, Anselm: *See—*

Deneke, Ulfert; Nagel, Rolf; Rothe, Anselm; and Freitag, Helmut, 4,876,067, Cl. 422-56.000.

Freitag, Helmut; Steinbiss, Joachim; and Rothe, Anselm, 4,839,297, Cl. 436-170.000.

Rothe, Ernst, to Optische Werke G. Rodenstock. Objective of great overall length. 4,815,834, 3-28-89, Cl. 350-464.000.

Rothe, Johannes: *See—*

Wahlig, Helmut; Dingeldein, Elvira; Rothe, Johannes; and Stille, Wolfgang, 4,853,225, Cl. 424-423.000.

Rothe, Wolfgang: *See—*

Seyffart, Gunther; Rothe, Wolfgang; Bartz, Volker; and Bartz, Volker, 4,879,280, Cl. 514-53.000.

Rothe, Wolfram F.: *See—*

Brown, Theresa S.; Parvin, Connie J.; Walters, Patricia B.; Rothe, Wolfram F.; and French, Radford, 4,810,583, Cl. 428-425.600.

Rothen, Johann, to WABCO Westinghouse Fahrzeugbremsen GmbH. Apparatus for the continuous control of solenoid valves which are normally designed for intermittent operation. 4,887,636, 12-19-89, Cl. 137-487.500.

Rothenberg, Martin, to Syracuse University. Voice parameter extractor using oral airflow. 4,862,503, 8-29-89, Cl. 381-48.000.

Rothenberger, Gunter, to Rothenberger Werkzeuge-Maschinen GmbH. Pipe cutter with a toggle clamping device. 4,845,850, 7-11-89, Cl. 30-96.000.

Rothenberger, John D., Jr.: *See—*

Fox, Charles; DeWitt, John W.; and Rothenberger, John D., Jr., 4,879,116, Cl. 424-682.000.

Rothenberger Werkzeuge-Maschinen GmbH: *See—*

Rothenberger, Gunter, 4,845,850, Cl. 30-96.000.

Rothenbuhler, Tom L., to Champion Spark Plug Company. Igniter with wear indicator. 4,814,664, 3-21-89, Cl. 313-131.00R.

Rothenburger, Hermann: *See—*

Handke, Heinz; and Rothenburger, Hermann, 4,810,538, Cl. 427-424.000.

Rothenstein, Julius: *See—*

Oberth, Adolf E.; and Rothenstein, Julius, 4,871,854, Cl. 546-7.000.

Rother, Wolfgang: *See—*

Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.

Tiggesbaumker, Peter; Durr, Manfred; Wurr, Jurgen; Krutzner, Karl; Rother, Wolfgang; Menzel, Karl; Schaberg, Frank; Klockenbusch, Heinrich; Unland, Georg; and Driemeier, Gunter, 4,808,108, Cl. 432-14.000.

Rotherham, Alan C., to Tee-Sert Pty. Ltd. T-nut insertion machine. 4,821,940, 4-18-89, Cl. 227-107.000.

Rothert, Reinhardt; and Wullbrandt, Dieter, to Hoechst Aktiengesellschaft. Process for reacting substrates with biocatalysts in a 2-phase liquid system. 4,806,477, 2-21-89, Cl. 435-177.000.

Rothfjell, Eric. Method of signature verification and device for carrying out the method. 4,856,077, 8-8-89, Cl. 382-3.000.

Rothfuss, Robert G., to Ethicon, Inc. Pocket configuration for internal organ staplers. 4,805,823, 2-21-89, Cl. 227-19.000.

Rothgery, Eugene F.; and Manke, Steven A., to Olin Corporation. Process for producing triaminoguanidine nitrate and the high melting point product so produced. 4,800,232, 1-24-89, Cl. 564-227.000.

Rothgery, Eugene F.; Hart, William W. C.; Smith, Edward F., III; Phillips, Steven D.; Sandel, Bonnie B.; and Gavin, David F., to Olin Corporation. Metal electronic package sealed with thermoplastic having a grafted metal deactivator and antioxidant. 4,812,896, 3-14-89, Cl. 357-70.000.

Rothgery, Eugene F.; and Manke, Steven A., to Olin Corporation. Substituted 5-amidotetrazoles. 4,871,861, 10-3-89, Cl. 548-251.000.

Rothgery, Eugene F.; and Manke, Steven A., to Olin Corporation. Substituted 5-amidotetrazoles as blowing agents in the production of cellular thermoplastic or rubber materials. 4,885,316, 12-5-89, Cl. 521-90.000.

Rothkegel, Bernhard; and Haufe, Wolfgang, to Siemens Aktiengesellschaft. Method for the production of sintered electrical contact material for low voltage power switching. 4,855,104, 8-8-89, Cl. 419-28.000.

Rothlisberger, Rudi: *See—*

Hanefeld, Wolfgang; Rothlisberger, Rudi; and Noser, Friedrich, 4,883,652, Cl. 424-59.000.

Rothman, Herbert B.: *See—*

Baker, George S.; and Rothman, Herbert B., 4,807,840, Cl. 248-559.000.

Rothman, Isaac; and Degen, Peter J., to Pall Corporation. Non-fluorescing, non-reflective polyamide for use in diagnostic testing. 4,837,162, 6-6-89, Cl. 436-531.000.

Rothman, L. David: *See—*

Stevens, Timothy S.; Frawley, Nile N.; Swart, Daniel J.; Harris, William C.; Diedering, Deborah E.; Nicholson, Lawrence W.; and Rothman, L. David, 4,837,161, Cl. 436-52.000.

Rothman, Michael F.; and Tawancy, Hani M., to Haynes International, Inc. Low thermal expansion superalloy. 4,818,486, 4-4-89, Cl. 420-442.000.

Rothman, Michael F.; Klarstrom, Dwaine L.; and Lai, George Y., to Haynes International, Inc. Nitrogen strengthened Fe-Ni-Cr alloy. 4,853,185, 8-1-89, Cl. 420-584.000.

Rothman, Michael L. Portable surgical drainage platform. 4,811,937, 3-14-89, Cl. 269-327.000.

Rothmans, Benson & Hedges Inc.: *See—*

Brackmann, Warren A.; Snaidr, Stanislav M.; Nehyo, Takeshi; and Sheahan, Michael H., 4,867,180, Cl. 131-109.100.

Rothmans International Services Limited: *See—*

Brackmann, Warren A.; Snaidr, Stanislav M.; Nehyo, Takeshi; and Sheahan, Michael H., 4,867,180, Cl. 131-109.100.

Rothon, Roger N.: *See—*

Rolfe, Nicholas; Woode, Richard D. A.; and Rothon, Roger N., 4,808,654, Cl. 524-424.000.

Rothschild, Bertram P., to N B Marketing Company (Proprietary) Limited. Gas cartridge. 4,848,394, 7-18-89, Cl. 137-322.000.

Rothschild, Kenneth J.: *See—*

Clark, Noel A.; Douglas, Kenneth; and Rothschild, Kenneth J., 4,802,951, Cl. 156-630.000.

Rothschild, Mordecai: *See—*

Ehrlich, Daniel J.; and Rothschild, Mordecai, 4,834,834, Cl. 156-635.000.

Ehrlich, Daniel J.; and Rothschild, Mordecai, 4,868,005, Cl. 427-53.100.

Rothschild, Mordechai; Black, Jerry G.; and Ehrlich, Daniel J., to Massachusetts Institute of Technology. Hydrolysis-induced vapor deposition of oxide films. 4,888,203, 12-19-89, Cl. 427-53.400.

Rothstein, Samuel. Rotating head profilometer probe. 4,851,773, 7-25-89, Cl. 324-220.000.

Rothweiler, Emil; and Siegel, Gerald. Hand brush. 4,826,340, 5-2-89, Cl. 401-279.000.

Rothwell, Harold J., Jr.: *See—*

English, George J.; Rothwell, Harold J., Jr.; and Gilligan, Thomas, 4,823,050, Cl. 313-634.000.

Rothwell, Harold L., Jr.; and Grant, Jeffrey O., to GTE Products Corporation. Color selectable source for pulsed arc discharge lamps. 4,884,009, 11-28-89, Cl. 315-246.000.

Rothwell, Harold L., Jr.: *See—*

English, George J.; and Rothwell, Harold L., Jr., 4,847,530, Cl. 313-25.000.

English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,850,918, Cl. 445-40.000.

English, George J.; Rothwell, Harold L., Jr.; and Gilligan, Thomas, 4,864,180, Cl. 313-44.000.

English, George J.; Rothwell, Harold L., Jr.; and Garrity, Donald F., Jr., 4,874,988, Cl. 313-620.000.

Rotier, Donald J., to Honeywell, Inc. Magnetic direction finding device with improved accuracy. 4,829,250, 5-9-89, Cl. 324-225.000.

Rotier, Donald J., to Honeywell, Inc. Helmet mounted display with improved brightness. 4,859,030, 8-22-89, Cl. 350-174.000.

Rotini, Leone G.; and Marchi, Egidio, to Alfa Wassermann S.p.A. Galenic formulations with programmed release containing naproxen. 4,888,178, 12-19-89, Cl. 424-468.000.

Rotlex Optics Ltd.: *See—*

Kafri, Oded; and Glatt, Ilana, 4,810,895, Cl. 250-571.000.

Kafri, Oded; and Kreske, Kathi M., 4,854,708, Cl. 356-359.000.

Roto-Finish Company, Inc.: *See—*

McNeil, Gary L., 4,884,372, Cl. 51-163.200.

Rotola, Louis A., Jr.: *See—*

Matthews, James A.; and Rotola, Louis A., Jr., 4,856,139, Cl. 15-350.000.

Rotolico, Anthony J.; Saia, Lawrence A.; Hacker, Martin E.; and Maidhof, William H., to Perkin-Elmer Corporation, The. High velocity powder thermal spray gun and method. 4,865,252, 9-12-89, Cl. 239-8.000.

Rotomaster Inc.: *See—*

Johnston, Andrew E.; Meyer, Jon A.; and Miller, Ronald, 4,815,184, Cl. 29-156.8CF.

Roton, Lary. Bark beetle treatment. 4,824,665, 4-25-89, Cl. 424-84.000.

Rotondi, Gabriele: *See—*

Ricci, Raffaele; and Rotondi, Gabriele, 4,835,655, Cl. 361-159.000.

Rotondo/Penn-Cast: *See—*

Rotondo, Richard J., 4,887,691, Cl. 181-210.000.

Rotondo, Richard D., to Advanced Biologics, Inc. Treatment for Alzheimer's disease. 4,814,339, 3-21-89, Cl. 514-332.000.

Rotondo, Richard J., to Rotondo/Penn-Cast. Modular wall construction using posts and panels. 4,887,691, 12-19-89, Cl. 181-210.000.

Rotor Tool Company, The: *See—*

Podsobinski, Paul A., 4,844,176, Cl. 173-12.000.

Rotowash Scandinavia: *See—*

Korski, Henryk; and Korski, Jerzy, 4,845,794, Cl. 15-51.000.

Rotring-werke Riepe KG: *See—*

Anderka, Gerold, 4,854,205, Cl. 83-529.000.

Rotron, Incorporated: *See—*

Smith, Norman, 4,845,411, Cl. 318-254.000.

Rott, Karl-Heinz: *See—*

Klever, Manfred; and Rott, Karl-Heinz, 4,823,542, Cl. 56-17.500.

Rotta Research Laboratorium S.p.A.: *See—*

Makovec, Francesco; Chiste, Rolando; Peris, Walter; and Rovati, Luigi, 4,826,878, Cl. 514-561.000.

Makovec, Francesco; Chiste, Rolando; and Rovati, Angelo L., 4,870,097, Cl. 514-419.000.

Rotter, Bernard J.; Whitten, Timothy M.; and Brown, Silas A. Collapsible sign. 4,866,866, 9-19-89, Cl. 40-610.000.

Rotter, Karl. Mobile universal shop light. 4,803,606, 2-7-89, Cl. 362-250.000.

Rotter, Leah D.: *See—*

Brook, Arthur H.; Carian, Peter J.; Katzin, Leonard; Landsinger, Edmund E.; Moore, James D.; Rotter, Leah D.; and Schreiber, Stanley, 4,875,469, Cl. 128-26.000.

Rottinghaus, Robert B. Door hinge spring. 4,815,164, 3-28-89, Cl. 16-296.000.

Rottinghaus, Robert B. Manual hose end crimper. 4,848,121, 7-18-89, Cl. 72-35.000.

Rottmaier, Ludwig: *See—*

Hocker, Jurgen; Rottmaier, Ludwig; Reinking, Klaus; Kirsch, Jurgen; and Fullmann, Heinz-Josef, 4,798,686, Cl. 252-500.000.

Rottmann, Dietrich; and Corduan, Horst, to Linde Aktiengesellschaft. Process and apparatus for air separation by rectification. 4,824,453, 4-25-89, Cl. 62-22.000.

Rottmann, Manfred, to SBR Maschinen-Handelsgesellschaft mbH & Co. KG. Device for machining plate-shaped workpieces, as well as battens or timber strips. 4,807,677, 2-28-89, Cl. 144-3.00R.

Rottmar, Werner; and Schmidt, Klaus, to Endress u. Hauser GmbH u. Co. Arrangement for leading a cable into a housing. 4,886,938, 12-12-89, Cl. 174-52.100.

Rottner, Donald: *See—*

Nelson, Loren D.; Erb, Lee A.; Ware, Randolph H.; and Rottner, Donald, 4,873,481, Cl. 324-58.50R.

Rottweiller, Gerhard: *See—*

Heinzmann, Albert; and Rottweiller, Gerhard, 4,889,429, Cl. 366-71.000.

Rouaud, Yvon: *See—*

Chomel, Denis; Devault, Michel; Le Bris, Herve; and Rouaud, Yvon, 4,849,965, Cl. 370-85.000.

Rouault, Gwenael; and Guerner, Herve, to Thomson Semiconducteurs. Method of manufacturing a DMOS. 4,849,367, 7-18-89, Cl. 437-41.000.

Rouble, Vincent J.: *See—*

Warburton, Eric T.; and Rouble, Vincent J., 4,846,379, Cl. 222-482.000.

Roubo, Valerie J. Hair coloring implement. 4,880,019, 11-14-89, Cl. 132-270.000.

Roucaute, Philippe, to Raychem Pontoise S.A. Method of making a sealed coaxial cable splice. 4,879,807, 11-14-89, Cl. 29-828.000.

Rouch, Ellen: *See—*

Hogan, Lawrence R.; Mittleman, Herbert; Oilschlager, Edward G.; Rouch, Ellen; and Rudzena, William L., 4,823,833, Cl. 137-567.000.

Rouch, James C.: *See—*

Archer, Timothy H. V.; and Rouch, James C., 4,843,407, Cl. 346-75.000.

Roucher, Leo: *See—*

Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, 4,813,434, Cl. 128-772.000.

Buchbinder, Maurice; Solar, Ronald J.; and Roucher, Leo, 4,815,478, Cl. 128-772.000.

Roudebush, Dennis A.: *See—*

Stevens, Robert E.; and Roudebush, Dennis A., 4,811,901, Cl. 239-138.000.

Rouesnel, Bernard: *See—*

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Rouey, Alexandre: *See—*

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Roufs, John G.: *See—*

Jackson, Glenn M.; and Roufs, John G., 4,857,353, Cl. 426-554.000.

Rougeot, Henri, to Thomson-CSF. Large-format photosensitive device and a method of utilization. 4,799,094, 1-17-89, Cl. 357-30.000.

Rougeot, Henri: *See—*

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Vieux, Gerard; Rougeot, Henri; and Diaz, Francis, 4,862,006, Cl. 250-483.100.

Rouger, Jean-Michel; Denis, Gilles; and Liabeuf, Bernard, to Thomson-CSF. Tunable microwave filtering device with dielectric resonator, and applications. 4,835,498, 5-30-89, Cl. 333-205.000.

Rougerie, Claude: *See—*

Fiorentino, Jean-Pierre; and Rougerie, Claude, 4,848,149, Cl. 73-293.000.

Rouget de Gourcez, Etienne: *See—*
  Perret, Rene; and Rouget de Gourcez, Etienne, 4,817,757, Cl. 181-288.000.
Rough, J. Kirkwood H.; and Rose, Peter W. Multiple electrode plasma reactor power distribution system. 4,887,005, 12-12-89, Cl. 315-111.210.
Rouhani, S. Zia. Single-hand computer keyboard. 4,823,294, 4-18-89, Cl. 364-709.120.
Rouillard, Roger. Concrete screed. 4,848,961, 7-18-89, Cl. 404-114.000.
Rouillard, Roger, to Les Placements Paro Inc. Apparatus for levelling concrete. 4,861,188, 8-29-89, Cl. 404-75.000.
Rouille, Philippe; and Jezequel, Roland, to Thomson-CSF. System for generating frame sweeping with laser beam, in particular for projecting images. 4,812,000, 3-14-89, Cl. 350-6.600.
Rouillon, Yves: *See—*
  Donati, Jean R.; Guttmann, Daniele; Rouillon, Yves; Paul, Pierre S.; and Zacharie, Guy, 4,877,465, Cl. 148-428.000.
Rouleau, Alain; Rouleau, Patrick; and Touret, Jean-Pierre. Advanced apparatus for gripping flexible, and in particular textile, layers. 4,822,020, 4-18-89, Cl. 271-18.300.
Rouleau, Patrick: *See—*
  Rouleau, Alain; Rouleau, Patrick; and Touret, Jean-Pierre, 4,822,020, Cl. 271-18.300.
Roulinson, Daniel A., to Ford Motor Company. Vehicle wheel cover and assembly. 4,842,339, 6-27-89, Cl. 301-37.00S.
Roullet, Gilbert: *See—*
  Bonnebat, Claude; Macabrey, Louis; and Roullet, Gilbert, 4,871,410, Cl. 156-244.140.
Rouly, Eric: *See—*
  Dubuit, Jean-Louis; and Rouly, Eric, 4,798,277, Cl. 198-397.000.
Roumagnac, Max. Apparatus for automatic cleaning particularly of the bottom of a swimming pool. 4,835,809, 6-6-89, Cl. 15-1.700.
Roumieu, Raymond, to Metaux Speciaux S.A. Apparatus for purifying lithium. 4,842,254, 6-27-89, Cl. 266-88.000.
Round, Philip F.: *See—*
  Grocock, Peter G.; and Round, Philip F., 4,813,259, Cl. 72-245.000.
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Rounds, Stuart N.: *See—*
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  Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., 4,866,408, Cl 337-104.000.
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Roure, Alain R.: *See—*
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Rourke, Kenneth H.; and Hart, Raymond J., to TRW Inc. Multipurpose modular spacecraft. 4,880,187, 11-14-89, Cl. 244-172.000.
Rourke, William J.; Lai, Wen-Chao; and Natansohn, Samuel, to GTE Laboratories Incorporated. Ion exchange method for the recovery of scandium. 4,816,233, 3-28-89, Cl. 423-21.500.
Rourne, William R., Jr.: *See—*
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Rouse, David M.: *See—*
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Rouse, Donald W.; Horwitz, Lawrence B.; and Wiggins, E. Thomas, to Sangamo Weston, Inc. Distribution energy management system. 4,804,938, 2-14-89, Cl. 340-310.00A.
Rouse, George V.: *See—*
  Short, John P.; and Rouse, George V., 4,851,078, Cl. 156-632.000.
Rouse, Jack, to Pronto Auto Repair Dealerships Inc. Process and apparatus for the manufacture of radiator cooling fins. 4,888,972, 12-26-89, Cl. 72-186.000.
Rouse, Michael W.; and Thelen, Robert L., to Waste Recovery, Inc. Tire removal apparatus. 4,804,031, 2-14-89, Cl. 157-1.210.
Rouse, Michael W.; and Thelen, Robert L., to Waste Recovery, Inc. Modular fuel metering apparatus and method for use thereof. 4,806,056, 2-21-89, Cl. 414-160.000.
Rouse, William M.: *See—*
  Nowak, Frank A., Jr.; Micchelli, Albert L.; and Rouse, William M., 4,859,455, Cl. 424-47.000.
Rouse 3, William M.: *See—*
  Nowak, Frank A., Jr.; Micchelli, Albert L.; and Rouse 3, William M., 4,842,852, Cl. 424-71.000.
Rousek, Heinz: *See—*
  Braehler, Manfred; Rousek, Heinz; and Noll, Erwin, 4,817,903, Cl. 248-419.000.
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  Lutomski, Kathryn A.; Roush, David M.; and Phillips, Richard B., 4,889,867, Cl. 514-365.000.
  Phillips, Richard B.; and Roush, David M., 4,814,325, Cl. 514-97.000.
Rousseau, Claude, to Societe Rousseau S.A. Transmission assembly and method for using the same. 4,828,447, 5-9-89, Cl. 474-148.000.
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Roussel, David M. Pipe and flange assembly. 4,832,383, 5-23-89, Cl. 285-416.000.
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  Malleron, Jean-Luc; Ponsinet, Gerard; and Roussel, Gerard, 4,886,835, Cl. 514-532.000.
Roussel, Jacques; and Cochet, Xavier, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for oxidizing substances dissolved or in suspension in an aqueous solution. 4,853,136, 8-1-89, Cl. 210-761.000.
Roussel, Michel; and Baffreau, Daniel, to Entreprise Gagneraud Pere & Fils; and Total Compagnie Francaise des Petroles. Compound cement, more particularly usable in bore holes. 4,877,452, 10-31-89, Cl. 106-97.000.
Roussel, Patrick: *See—*
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  Bouton, Marie-Madeleine; Jacques, Jean; and Pierdet, Andre, 4,849,454, Cl. 514-691.000.
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  Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,808,609, Cl. 514-415.000.
  Clemence, Francois; Fortin, Michel; Le Martret, Odile; and Delevallee, Francoise, 4,816,465, Cl. 514-314.000.
  Clemence, Francois; Le Martret, Odile; and Delevallee, Francoise, 4,845,105, Cl. 514-312.000.
  Clemence, Francois; Guillaume, Jacques; and Hamon, Gilles, 4,853,408, Cl. 514-415.000.
  Clemence, Francois; Le Martret, Odile; Delevallee, Francoise; and Fortin, Michel, 4,877,796, Cl. 514-311.000.
  Clemence, Francois; Le Martret, Odile; Fortin, Michel; and Delevallee, Francoise, 4,888,355, Cl. 514-429.000.
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  Fauveau, Patrick; Nedelec, Lucien; Agouridas, Constantin; and Hamon, Gilles, 4,831,043, Cl. 514-322.000.
  Fenske, Dankwart C.; Kuo, Elizabeth A.; and Tully, Wilfred R., 4,810,828, Cl. 514-398.000.
  Gardner, Colin R.; and Hedgecock, John R., 4,868,176, Cl. 514-220.000.
  Gasc, Jean-Claude; Nedelec, Lucien; Humbert, Daniel; and Boaventura, Ana-Maria, 4,855,302, Cl. 514-278.000.
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  Jouquey, Alain; Philibert, Daniel; Moguilewsky, Martine; and Veltz, Jean-Noel, 4,865,767, Cl. 260-397.450.
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  Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,808,749, Cl. 558-434.000.
  Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,833,163, Cl. 514-531.000.
  Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,883,806, Cl. 514-417.000.
  Marty, Jean-Pierre, 4,814,171, Cl. 424-95.000.

  Nique, Francois; Nedelec, Lucien; Bouton, Marie-Madeleine; and Philibert, Daniel, 4,874,754, Cl. 514-178.000.
  Oshima, Etsuo; Obase, Hiroyuki; Karasawa, Akira; Kubo, Kazuhiro; Miki, Ichiro; and Ishii, Akio, 4,882,351, Cl. 514-431.000.
  Tessier, Jean; Girault, Pierre; Herve, Jean-Jacques; and Van Assche, Charles-Jacques, 4,801,717, Cl. 546-177.000.
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  Tessier, Jean; and Demoute, Jean-Pierre, 4,837,341, Cl. 549-283.000.
  Tessier, Jean; Demassey, Jacques; and Demoute, Jean-Pierre, 4,849,443, Cl. 514-419.000.
  Tessier, Jean; and Demoute, Jean-Pierre, 4,868,317, Cl. 549-302.000.
  Tessier, Jean; Demoute, Jean-Pierre; and Cadiergue, Joseph, 4,879,302, Cl. 514-351.000.
  Toja, Emilio; Zirotti, Carlo; Galliani, Giulio; and Barzaghi, Fernando, 4,810,722, Cl. 514-425.000
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Rowan, Stuart H.: *See—*
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- Rowe, Charles M.; and Ward, Robert T., to Westinghouse Electric Corp. Coil armor tape for new bonding surface and CORONOX seal. 4,831,303, 5-16-89, Cl. 310-260.000.
- Rowe, Christopher J.: *See—*
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- Rowe, E. R., to Sonoco Products Company. Packaging system for plastic bags. 4,807,754, 2-28-89, Cl. 206-390.000.
- Rowe, Frederick, to Imperial Chemical Industries PLC. Fluidized bed apparatus for the mixing of fluids and solids. 4,861,562, 8-29-89, Cl. 422-143.000.
- Rowe Furniture Corporation: *See—*
  - Halliburton, Harold H.; and Moseley, Mark S., 4,887,898, Cl. 353-28.000.
- Rowe International, Inc.: *See—*
  - Dekker, Donald A.; and Zandstra, Lawrence, 4,887,808, Cl. 271-181.000.
  - Krakauer, Merrill, 4,842,161, Cl. 221-76.000.
- Rowe, Jay E., to Crompton & Knowles Corporation. Trichromatic combination of dyes for nylon. 4,840,643, 6-20-89, Cl. 8-641.000.
- Rowe, Jerry D., to Rocky Mountain Enterprises, Inc. Game hunting knife. 4,802,279, 2-7-89, Cl. 30-155.000.
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- Rowe, Raymond C.: *See—*
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- Rowe, Robert R., Jr.; and Rowe, Sherry. Fishing lure attachment. 4,794,721, 1-3-89, Cl. 43-42.140.
- Rowe, Sherry: *See—*
  - Rowe, Robert R., Jr.; and Rowe, Sherry, 4,794,721, Cl. 43-42.140.
- Rowe, William; Saraiya, Shashikant; and Shah, Ajay, to Polychrome Corporation. Method for the preparation of polyvinyl phosphonic acid. 4,822,861, 4-18-89, Cl. 525-355.000.
- Rowe, William M., Jr.: *See—*
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- Rowell, Richard H., Sr. Restraint system. 4,827,920, 5-9-89, Cl. 128-875.000.
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- Rowen, Michael J., to Lutron Electronics Co., Inc. Master electrical load control system. 4,889,999, 12-26-89, Cl. 307-31.000.
- Rowen, Michael J.: *See—*
  - Ference, Jonathan H.; Blonstein, Steven M.; Rowen, Michael J.; Newman, Robert C., Jr.; and Spira, Joel S., 4,797,599, Cl. 315-194.000.
- Rowenta-Werke GmbH: *See—*
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  - Frank, Karlheinz; Hanschke, Christoph; and Stutzer, Franz A., 4,817,309, Cl. 38-15.000.
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  - Doerffer, Jerzy W.; Rowinski, Lech; Niepieklo, Andrzej; Klopocki, Jan; and Siwek, Boguslaw, 4,822,311, Cl. 441-87.000.
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- Rowland, George F.: *See—*
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- Rowland, Mark S.: *See—*
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- Rowland, Richard R.: *See—*
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- Rowland, Robert O., to Hudson Oxygen Therapy Sales Co. Ventilator monitor and alarm apparatus. 4,803,471, 2-7-89, Cl. 340-626.000.
- Rowland, Robert O., to Hudson Oxygen Therapy Sales Company. Battery condition monitoring system. 4,839,597, 6-13-89, Cl. 324-433.000.
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- Rowles, John W.; and Arko, Carl M. Comprehensive contour chair apparatus. 4,852,945, 8-1-89, Cl. 297-458.000.
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- Rowley, David M.: *See—*
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- Rowley, Duncan J.: *See—*
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- Rowley, William W. Method of forming a flange or bellows in a plastic tube. 4,803,033, 2-7-89, Cl. 264-339.000.
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- Rowson, Graham P.: *See—*
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- Roxas, Ren: *See—*
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- Roxlo, Charles B.; Deckman, Harry W.; and Tiedje, J. Thomas, to Exxon Research and Engineering Company. Method of making artificially textured layered catalyst. 4,867,840, 9-19-89, Cl. 156-643.000.
- Roy, Albert A.: *See—*
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- Roy, Armand E., and Roy, Leo T., to Craft, Inc. Jaw and feeder assembly for advancing hinge to a work station. 4,870,749, 10-3-89, Cl. 29-798.000.
- Roy, Benjamin F., III, to United States of America, Health and Human Services. Method for detecting antibodies against neuropeptides and drugs in human body fluid. 4,868,107, 9-19-89, Cl. 435-7.000.
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- Roy, Carl W.: *See—*
  - Joseph, Brian J.; Procter, Leo G.; and Roy, Carl W., 4,884,105, Cl. 355-212.000.
- Roy, Christian, to Recherche Carbovac Inc. Treatment of petroleum derived organic sludges and oil residues. 4,839,021, 6-13-89, Cl. 208-13.000.
- Roy, Claude C., to Universite de Montreal. Composition and methods for alleviating cystic fibrosis. 4,826,679, 5-2-89, Cl. 424-94.210.
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- Roy, Dhirendra C., to United Technologies Automotive, Inc. Integral latching arm. 4,836,408, 6-6-89, Cl. 220-306.000.
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- Roy, Gerald L.; and Herr, James E., to Kerr Glass Manufacturing Corporation. Tamper-evident closure. 4,807,771, 2-28-89, Cl. 215-252.000.
- Roy, Glenn M.: *See—*
  - Zanno, Paul R.; Barnett, Ronald E.; and Roy, Glenn M., 4,822,635, Cl. 426-3.000.
- Roy, Jacques T.; and Magnan, Germain R. Apparatus for detecting faulty power line insulator. 4,871,972, 10-3-89, Cl. 324-551.000.
- Roy, James N. Safety accessory for a field range. 4,848,312, 7-18-89, Cl. 126-37.00B.
- Roy, John M.: *See—*
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- Roy, Joy: *See—*
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- Roy, Kathleen A.: *See—*
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- Roy, Leo T.: *See—*
  - Roy, Armand E.; and Roy, Leo T., 4,870,749, Cl. 29-798.000.
- Roy, Marjorie E. C.: *See—*
  - Roy, David C.; and Roy, Marjorie E. C., 4,879,989, Cl. 124-79.000.
- Roy, Michael A.: *See—*
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- Roy, Michael G.; Ullrich, Helmut J.; Beattie, John M.; and Sinden, Jimmie D., to Toro Company, The. Turf grooming reel. 4,878,340, 11-7-89, Cl. 56-249.000.
- Roy, Michael J.: *See—*
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- Roy, Paul A., to Fiber-Speed International, Inc. Method of manufacturing golf club shafts. 4,889,575, 12-26-89, Cl. 156-189.000.
- Roy, Pradip K.: *See—*
  - Doklan, Raymond P., Martin, Edward P., Jr.; Roy, Pradip K.; Shive, Scott F.; and Sinha, Ashok K., 4,851,370, Cl. 437-225.000.
- Roy, Prodyot, to General Electric Company. System for hydrogen thermal-electrochemical conversion. 4,818,638, 4-4-89, Cl. 429-20.000.
- Roy, Prodyot, to General Electric Company. Metal-hydrogen secondary battery. 4,833,046, 5-23-89 Cl. 429-50.000.
- Roy, Ray. Three-dimensional puzzle building. 4,824,112, 4-25-89, Cl. 273-157.00R.
- Roy, Richard S., to Visic, Incorporated. Static ram with common data line equalization. 4,878,198, 10-31-89, Cl. 365-222.000.
- Roy, Roch. Load carry caterpillar and front wheel driven steerable vehicle. 4,865,142, 9-12-89, Cl. 180-9.380.
- Roy, Roland W., to Wang Laboratories, Inc. Self-extending administrative memory file. 4,849,878, 7-18-89, Cl. 364-200.000.
- Roy, Rustum; and Komarneni, Sridhar, to Research Corporation. Method of preparing ceramic compositions at lower sintering temperatures. 4,829,031, 5-9-89, Cl. 501-134.000.
- Roy, Rustum: *See—*
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  - Limaye, Santosh Y.; Agrawal, Dinesh K.; McKinstry, Herbert A.; and Roy, Rustum, 4,801,566, Cl. 501-104.000
- Roy, Siegfried S. Injection blow molding. 4,818,213, 4-4-89, Cl. 425-533.000.
- Roy Soderqvist Mekaniska Verkstad AB: *See—*
  - Soderqvist, Ulf, 4,799,413, Cl. 83-71.000.
- Roy, Wolfgang: *See—*
  - Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
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- Royal Appliance Mfg. Co.: *See—*
  - Kopco, James J.; and Sovis, John F., 4,800,614, Cl. 15-330.000.
- Royal Care Beauty Products International, Inc.: *See—*
  - Day, Betty L., 4,804,486, Cl. 252-153.000.
- Royal, Carola C. Depilatory composition. 4,832,949, 5-23-89, Cl. 424-73.000.
- Royal, Harold J.; and Deemer, Randall E., to Kennametal Inc. Chip breaking tool holder. 4,848,198, 7-18-89, Cl. 82-1.110.
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  - Moys, Michael H.; and Finch, James A., 4,804,460, Cl. 209-164.000.
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  - Brown, Allen C.; Brown, Ray R.; and Suttles, J. Marshall, 4,852,954, Cl. 312-140.400.
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- Royston, Doris V.: *See—*
  - Barr, William K.; and Royston, Doris V., 4,868,048, Cl. 428-328.000.
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  - Wright, George A., 4,799,642, Cl. 248-516.000.
- RTC Industries, Inc.: *See—*
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- RTE Corporation: *See—*
  - Knapp, Todd K.; and Jergenson, Ronny D., 4,804,807, Cl. 200-331.000.
- RTR Oil Sands (Alberta) Ltd.: *See—*
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- RTS Laboratories, Inc.: *See—*
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- Ruark, Darryl L., to A. O. Smith Corporation. Water heater with power vent access door. 4,872,443, 10-10-89, Cl. 126-361.000.
- Ruaudel, Annie: *See—*
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  - Alameda, Daniel; and Cooper, Scott, 4,881,868, Cl. 414-773.000.
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  - Trimble, Don K., 4,794,832, Cl. 83-23.000.
- Rubbermaid Commercial Products Inc.: *See—*
  - Hamann, David L., 4,796,369, Cl. 40-606.000.
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  - Murphy, Kent W.; and Craft, Charles W., Jr., 4,848,574, Cl. 206-444.000.
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- Rubens, Roger W.: *See—*
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  - Johnson, Barrett; and Rubenstein, Charles B., 4,882,067, Cl. 210-688.000.
- Rubenstein, David H.: *See—*
  - Perkins, Leland M.; Dodds, Ralph L.; Rubenstein, David H.; and Nicholson, Roger D., 4,802,048, Cl. 360-132.000.
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  - Wisniewski, Henryk M.; Kascsak, Richard J.; Rubenstein, Richard; Merz, Patricia A.; and Tonna-DeMasi, Maria, 4,806,627, Cl. 530-387.000.
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  - Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.

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  - Cosentino, Leonard J.; and Rubin, Harold, 4,815,456, Cl. 128-859.000.
- Rubin, Harvey: *See—*
  - Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., 4,880,512, Cl. 204-157.610.
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  - Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,811,278, Cl. 364-900.000.
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  - Wawrzynowski, Mike; and Ruckman, Don, 4,854,643, Cl. 175-74.000.
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Rudin, Alfred: *See—*
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Rudisch, Walter E.: *See—*
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Rudish, Ronald M.; and Hall, Scott F., to Eaton Corporation. Contiguous channel multiplexer/demultiplexer. 4,839,894, 6-13-89, Cl. 370-123.000.

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Rudling, Mats: *See—*
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Rudman, Leonid L.: *See—*
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Rudnick, Paul J., to Psicom Sports Incorporated. Electronic baseball card. 4,890,229, 12-26-89, Cl. 364-410.000.

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- Spies, Klaus, 4,798,501, Cl. 405-260.000.

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Rudolph, Frank W., to Wilson Greatbatch Ltd. Anode coating for lithium cell. 4,812,376, 3-14-89, Cl. 429-101.000.

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Rudolph, Karl: *See—*
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- Babler, Scott D.; Baram, Peter; Rudolph, Paul H.; and Waxman, Frank J., 4,801,535, Cl. 435-16.000.

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Rudz, Douglas: *See—*
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- Ruf, Max; and Korostenski, Erwin, to Audi AG. Cast iron camshaft for internal combustion engines. 4,838,217, 6-13-89, Cl. 123-90.600.
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- Ruf, Wolfgang: *See—*
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  - Rausch, Richard A.; and Ruff, Donald O., 4,829,163, Cl. 219-547.000.
- Ruff, Gary F.: *See—*
  - Voss, Karl D.; Mercer, James B.; and Ruff, Gary F., 4,865,113, Cl. 164-63.000.
- Ruff, Gray E., to SpaceLabs, Inc. Non-bunching cinch ring for self-applied blood pressure cuff. 4,832,040, 5-23-89, Cl. 128-686.000.
- Ruff, Gray E.; and Millay, Jack, to SpaceLabs, Inc. Blood pressure cuff harness. 4,844,306, 7-4-89, Cl. 224-202.000.
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  - Weiss, Hans; Fissmann, Hans-Joachim; and Ruff, Hans-Albrecht, 4,795,106, Cl. 242-72.00R.
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- Ruger, Herbert: *See—*
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  - Jullien, Marie-Jacques, 4,825,764, Cl. 102-202.140.
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- Rugheimer, Erich. Connecting system for gas lines for respirator or anesthesia apparatus having pluggable connecting elements. 4,827,921, 5-9-89, Cl. 128-202.270.
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  - Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, 4,872,915, Cl. 106-433.000.
- Rugland, Roger: *See—*
  - Holleman, Timothy W.; Sandstrom, Richard; Rugland, Roger; and Williams, Terrell M., 4,817,634, Cl. 128-784.000.
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  - Cziep, Werner; Kuenzel, Ulrich; and Ruh, Wolf-Dieter, 4,834,835, Cl. 156-643.000.
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  - Woodcock, William F.; and Ruhig, William E., Jr., 4,809,863, Cl. 220-85.00F.
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- Ruhl, Werner J.: *See—*
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- Ruhnke, Jeffrey P., to Brunswick Corporation. Mixing tube assembly for marine propulsion system. 4,801,283, 1-31-89, Cl. 440-88.000.
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  - Altemark, Detlef; and Hess, Robert, 4,859,171, Cl. 431-12.000.
  - Heuss, Helmut, 4,886,450, Cl. 432-235.000.
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  - Martinou, Robert L.; and Ruimi, Michel M., 4,886,583, Cl. 264-16.000.
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- Ruiseco, Mario G. Oil based scalp treatment composition. 4,849,214, 7-18-89, Cl. 424-74.000.
- Ruiz, Ariel: *See—*
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- Ruiz, Jose M. Mounting base apparatus. 4,813,882, 3-21-89, Cl. 439-101.000.
- Ruiz, Louie P. Pressure test cap for plumbing drain pipes. 4,813,569, 3-21-89, Cl. 220-254.000.
- Ruiz, Mark R. Edible food product and package. 4,873,099, 10-10-89, Cl. 426-104.000.
- Ruiz-Ontiveros, Saul-Roman: *See—*
  - Pita, Antonio; Carro-de-la-Fuente, Guillermo; and Ruiz-Ontiveros, Saul-Roman, 4,801,321, Cl. 65-90.000.
- Ruiz, Oscar F., to Sherwood Medical Company. Non-whip catheter. 4,846,814, 7-11-89, Cl. 604-281.000.
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- Ruiz, Samantha L. Combination pick-up truck bed liner and camper top. 4,875,731, 10-24-89, Cl. 296-37.200.
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- Ruka, Roswell J.: *See—*
  - Spengler, Charles J.; and Ruka, Roswell J., 4,849,254, Cl. 427-115.000.
- Rukavina, Thomas G.; and Lin, Chia-Cheng, to PPG Industries, Inc. Primer for adherence to plastic substrates. 4,816,288, 3-28-89, Cl. 427-387.000.
- Rukavina, Thomas G.: *See—*
  - Coleman, Charles R.; and Rukavina, Thomas G., 4,857,407, Cl. 428-412.000.
  - Lin, Chia-Cheng; and Rukavina, Thomas G., 4,839,454, Cl. 528-32.000.
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- Ruland, Fred F., to Ruland Manufacturing Company, Inc. Torque wrench. 4,838,134, 6-13-89, Cl. 81-467.000.
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- Rule, Arthur W. T., to John Wyeth & Brother, Limited. Teat unit. 4,801,007, 1-31-89, Cl. 206-217.000.
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  - Daniel, Aaron E.; and Rule, Daniel P., 4,854,461, Cl. 220-4.00R.
- Rule Industries, Inc.: *See—*
  - Grilk, Henry G., 4,860,223, Cl. 364-550.000.
  - Scholz, Max; Batchelder, Scott; and Dowding, Robert, 4,827,863, Cl. 114-301.000.
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- Rule, Mark: *See—*
  - Fagerburg, David R.; Watkins, Joseph J.; Lawrence, Paul B.; and Rule, Mark, 4,826,956, Cl. 528-214.000.
  - Steinmetz, Guy R.; Rule, Mark; Agreda, Victor H.; and Treece, Lanney C., 4,803,296, Cl. 560-80.000.
  - Steinmetz, Guy R.; and Rule, Mark, 4,806,676, Cl. 560-80.000.
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  - Tustin, Gerald C.; Smith, Kyle C.; and Rule, Mark, 4,853,480, Cl. 170-100.000.
- Rule Steel Tanks, Inc.: *See—*
  - Daniel, Aaron E.; and Rule, Daniel P., 4,854,461, Cl. 220-4.00R
- Rulke, Gerhart: *See—*
  - Kotkata, Nabil; Blondiau, Mark D.; and Rulke, Gerhart, 4,863,006, Cl. 198-323.000.
- Ruller, James A.: *See—*
  - Alverson, William K.; and Ruller, James A., 4,884,045, Cl. 333-158.000.
- Rullier, Pierre; and Besnier, Bertrand, to Salomon S.A. Safety binding. 4,863,186, 9-5-89, Cl. 280-626.000.
- Rullier, Pierre, to Salomon S.A. Front binding for a ski boot. 4,889,358, 12-26-89, Cl. 280-628.000.
- Rullier, Pierre: *See—*
  - Besnier, Bertrand; and Rullier, Pierre, 4,869,522, Cl. 280-607.000.
- Rullo, James J., to Buckingham Manufacturing Company, Inc. Gaff. 4,875,550, 10-24-89, Cl. 182-221.000.
- Rulon, James M.: *See—*
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- Rumack, Daniel T., to Union Camp Corporation. Toluene soluble polyamide resin from polymerized fatty acid and 1,2-diamino cyclohexane. 4,816,549, 3-28-89, Cl. 528-336.000.
- Rumack, Michael: *See—*
  - Shorr, Leonard M.; Fishler, Theodor M.; Georlette, Pierre; and Rumack, Michael, 4,849,467, Cl. 524-104.000.
- Rumbaugh, James E., to General Electric Co. Fast display of three-dimensional images. 4,821,210, 4-11-89, Cl. 364-518.000.
- Rumbaugh, James T., to Berkley, Inc. Graphite fiber reinforced rod construction. 4,885,865, 12-12-89, Cl. 43-18.500.
- Rumbaugh, William D., to Otis Engineering Corporation. Well test tool. 4,830,107, 5-16-89, Cl. 166-250.000.
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- Rumen Chemie AG: *See—*
  - Wood, Timothy M., 4,827,875, Cl. 119-72.000.
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- Rumfield, Michael A. Turbocharger protector screen. 4,821,520, 4-18-89, Cl. 60-614.000.
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- Rummell, Jon R.: *See—*
  - Lighthart, Eric L.; Hahn, Robert A.; Lindstrom, Jean M.; and Rummell, Jon R., 4,845,609, Cl. 364-200.000.
- Rumney, Roger; and Kessler, Rod K., to Rogers Corporation. Anti-icing snowgun. 4,813,597, 3-21-89, Cl. 239-2.200.
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  - Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; Dewert, Heribert; and Rump, Hanns, 4,882,287, Cl. 436-149.000.
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- Rumpel, Manfred, to Ford Motor Company. Independent rear wheel suspension with offset connection between upper control arm and wheel carrier. 4,848,788, 7-18-89, Cl. 280-701.000.
- Rumpf, Arthur H., to KES Industries Inc. Check-out lane sign. 4,829,687, 5-16-89, Cl. 40-606.000.
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- Rumpke, Joseph M. Tilt truck apparatus. 4,861,110, 8-29-89, Cl. 298-2.000.
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  - Bischof, Albert; and Rumps, Norbert A., Jr., 4,804,238, Cl. 312-138.00R.
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- Rumsey, Daniel S. Speech unit for dolls and other toys. 4,809,335, 2-28-89, Cl. 381-53.000.
- Rumsey, Donald; and McGraw, John, to Overland Brakes, Inc. Spring brake construction and method of manufacture thereof. 4,850,263, 7-25-89, Cl. 92-63.000.
- Rumsey, Steven C., to American Standard Inc. Brake assurance circuit to preserve proper locomotive operating status. 4,830,437, 5-16-89, Cl. 303-18.000.
- Rumsey, Steven C.: *See—*
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  - Grace, Richard; Guzman, Alberto M.; Portnoff, Marc A.; Purta, David A.; Runco, Paul D.; and Tabacchi, John G., 4,847,783, Cl. 364-497.000.
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  - Stern, Richard J.; Rundzaitis, Alfons; and Peterson, Samuel F., 4,814,078, Cl. 210-282.000.
- Runels, Thomas L., to Eaton Corporation. Axle and wheel assembly. 4,804,027, 2-14-89, Cl. 152-417.000.
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  - Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; and Runstadler, Peter W., Jr., 4,861,714, Cl. 435-68.000.
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  - Walker, Robin D., 4,868,736, Cl. 364-200.000.
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- Runyon, John F. Folding modular building structure. 4,876,831, 10-31-89, Cl. 52-70.000.
- Runyon, Ronnie J.: *See—*
  - Roth, Norman J.; and Runyon, Ronnie J., 4,867,715, Cl. 439-876.000.
- Runzheimer, H. Volker: *See—*
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- Runzheimer, Hans-Volker: *See—*
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- Runzler, Jurgen: *See—*
  - Hepfer, Rolf; and Runzler, Jurgen, 4,803,673, Cl. 368-269.000.
- Ruoff, Manfred: *See—*
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- Ruopp, Horst: *See—*
  - Kornaker, Walter; and Ruopp, Horst, 4,884,005, Cl. 313-404.000.
- Ruopsa, Jon A. Particle collection system with spoiler. 4,811,527, 3-14-89, Cl. 51-270.000.
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  - Janka, Pentti; and Ruottu, Seppo, 4,824,360, Cl. 431-7.000.
- Rupe, Chauncey O., to Environmental Test Systems, Inc. Test composition and device for the determination of cyanuric acid in water. 4,855,239, 8-8-89, Cl. 436-106.000.
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- Rupert, Martin R., to AMP Incorporated. Packaging for coiled fiber optic cable assemblies. 4,846,343, 7-11-89, Cl. 206-303.000.
- Rupertus, Leonard R.: *See—*
  - Switlik, Richard, Jr.; and Rupertus, Leonard R., 4,865,573, Cl. 441-92.000.
- Rupich, Martin W., to Gas Research Institute. Cell for measuring gas levels. 4,824,551, 4-25-89, Cl. 204-431.000.
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  - Bederke, Klaus; Brock, Thomas; Kerber, Hermann; and Rupieper, Paul, 4,839,414, Cl. 524-507.000.
- Rupnik, David W.: *See—*
  - Gingerich, David J.; Rose, William H.; Rupnik, David W.; and Shaffer, David T., 4,805,885, Cl. 267-165.000.
- Rupp, Charles R.; and Stronge, William R., to Fairchild Semiconductor Corporation. Cellular addressing permutation bit map raster graphics architecture. 4,882,683, 11-21-89, Cl. 364-521.000.
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- Rupp, Hartmann: *See—*
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- Rupp, Herbert E., III, to Rupp Marine, Inc. Sportfishing outrigger devices. 4,889,064, 12-26-89, Cl. 114-89.000.
- Rupp, Karl-Heinz: *See—*
  - Hellmann, Jens H.; Rupp, Karl-Heinz; and Varges, Gunter, 4,800,831, Cl. 114-40.000.
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- Rupp, Ronald L.: *See—*
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- Rupp, Walter: *See—*
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- Ruppel, Diether: *See—*
  - Bader, Hubert; Ruppel, Diether; Walch, Axel; and Magerstadt, Michael, 4,835,248, Cl. 528-328.000.
- Ruppel, Reinhold: *See—*
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- Ruppel, Remy: *See—*
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- Ruppen, Bruno: *See—*
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- Ruppert, Heinrich W.; and Gatschmann, Klaus G., to EFKA-Werke Fritz Kiehn GmbH. Tobacco product for the personal preparation of a cigarette, in particular filter cigarette. 4,887,617, 12-19-89, Cl. 131-70.000.

- Ruppert, Ingo, deceased: *See—*
  - Kruse, Alfred; Siegemund, Gunter; Schlich, Klaus; and Ruppert, Ingo, deceased, 4,835,318, Cl. 568-319.000.
- Ruppert, Kurt A.: *See—*
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  - Wassmuth, Georg; Ruppmich, Karl; Seiler, Erhard; Gausepohl, Hermann; and Benker, Klaus, 4,880,875, Cl. 525-67.000.
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- Rupprecht, Irmgard, executrix: *See—*
  - Rupprecht, Werner, deceased, 4,847,450, Cl. 174-143.000.
- Rupprecht, James K.: *See—*
  - Mikolajczak, Kenneth L.; McLaughlin, Jerry L.; and Rupprecht, James K., 4,855,319, Cl. 514-473.000.
- Rupprecht & Patashnick Co., Inc.: *See—*
  - Rupprecht, Georg; and Patashnick, Harvey, 4,836,314, Cl. 177-210.0FP.
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  - Rock, Erich; Brustle, Klaus; and Rupprechter, Helmut, 4,800,621, Cl. 16-235.000.
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- Ruprecht, David R.: *See—*
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  - Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.
- Ruschhaupt, Dolph W., Jr., to California Fresno Transportation, Inc. Method and apparatus for dispensing a substance to a work area. 4,878,598, 11-7-89, Cl. 222-1.000.
- Ruse, Alois, to Hartmann & Braun AG. Measuring the concentration of two components in a gas blend. 4,879,245, 11-7-89, Cl. 436-124.000.
- Ruse, Guy F.: *See—*
  - Dee, Richard H.; Rea, Laurence L.; King, Darwin D.; and Ruse, Guy F., 4,849,250, Cl. 427-48.000.
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  - Pond, Eugene W.; Rush, Jeffrey R.; Watson, John D.; Woodall, Bruce A.; Goode, Walter M.; and Goode, George E., 4,864,616, Cl. 380-25.000.
- Rush, Jonathan E.; Scalvini, Phillip D.; and Gerber, Reinhold. Snap-on lid and mold for making the lid. 4,877,151, 10-31-89, Cl. 206-514.000.
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  - Brungardt, Clement L.; and Rush, Pamela K., 4,885,330, Cl. 524-447.000.
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  - Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.
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- Rushing, Allen J., to Eastman Kodak Company. Color quality improvements for electrophotographic copiers and printers. 4,853,738, 8-1-89, Cl. 355-327.000.
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- Rushing, Linda: *See—*
  - Rushing, Jim; and Rushing, Linda, 4,856,570, Cl. 150-107.000.
- Rushlow, Leo M. J.: *See—*
  - Gilbert, Leslie C.; and Rushlow, Leo M. J., 4,886,076, Cl. 131-256.000.
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  - Briggs, Kenneth W., Sr., 4,887,391, Cl. 49-90.000.
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- Rusk, James A. Playground unit having governor for controlling rotational speed. 4,811,942, 3-14-89, Cl. 272-33.00R.
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  - Kato, Jeff J.; Ruska, David W.; and Van Maren, David J., 4,847,619, Cl. 341-106.000.
- Ruska Laboratories, Inc.: *See—*
  - Martin, Stephen J.; and Worden, Raymond D., 4,842,825, Cl. 422-80.000.
- Ruskin, Thomas R. Touch controlled multiple position lamp. 4,874,991, 10-17-89, Cl. 315-362.000.
- Rusmar Incorporated: *See—*
  - Kitze, Paul A., 4,874,641, Cl. 427-244.000.
- Rusnack, Theodore J.: *See—*
  - Logue, Brian V.; and Rusnack, Theodore J., 4,887,590, Cl. 128-80.00C.
- Rusnak, Kenneth R.: *See—*
  - Muller, Richard W.; and Rusnak, Kenneth R., 4,832,341, Cl. 273-139.000.
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  Macias, Jorge, 4,838,627, Cl. 312-341.00R.
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Russel, Matthew J., to Eastman Kodak Company. Copying apparatus and method with editing and production control capability. 4,862,217, 8-29-89, Cl. 355-218.000.
Russel William Ltd.: *See—*
  Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,858,774, Cl. 211-184.000.
Russeler, Karl-Friedrich: *See—*
  Konrath, Karl; Koester, Claus; Zibold, Karl; Schwarz, Manfred; Russeler, Karl-Friedrich; Krieger, Klaus; and Kupzik, Roland, 4,884,542, Cl. 123-370.000.
Russell, Alexander; Cooper, Leslie A.; and Drudy, David P., to Sacol Powerline Limited. Inductive transducers for indicating establishment of a preselected spatial relationship between two parts. 4,855,675, 8-8-89, Cl. 324-208.000.
Russell, Andrew J.; and Calvert, Colin, to Cambridge Life Sciences, plc. Plate reader. 4,810,096, 3-7-89, Cl. 356-436.000.
Russell, Anthony W., to NL Sperry-Sun, Inc. Method of determining the orientation of a surveying instrument in a borehole. 4,819,336, 4-11-89, Cl. 33-304.000.
Russell, Anthony W.: *See—*
  Russell, Michael K.; and Russell, Anthony W., 4,802,150, Cl. 367-85.000.
Russell, Brandon: *See—*
  Russell, Frederick E.; and Russell, Brandon, 4,867,872, Cl. 210-104.000.
Russell, Chong S.: *See—*
  Russell, Michael T.; and Russell, Chong S., 4,864,658, Cl. 2-160.000.
Russell Corporation: *See—*
  Adamson, Fletcher D., 4,799,613, Cl. 223-39.000.
  Mann, Michael G.; and Graves, John P., 4,864,150, Cl 250-571.000.
Russell, David P.; and Papworth, Raymond C. Television image processing system having capture, merge and display capability 4,855,813, 8-8-89, Cl. 358-22.000.
Russell, Dennis A.: *See—*
  Hinson, Wilburn W.; Inman, David D.; and Russell, Dennis A., 4,850,834, Cl. 425-19.000.
Russell, Dennis K.: *See—*
  Gerchow, James R.; and Russell, Dennis K., 4,809,651, Cl. 123-90.500.
Russell, Donald H., to Z-Gard, Inc. Microencapsulated oxygen generators. 4,867,902, 9-19-89, Cl. 252-186.320.
Russell, Donald L.: *See—*
  Johnston, James P.; and Russell, Donald L., 4,814,760, Cl. 340-784.000.
Russell, Earnest J.: *See—*
  Craycroft, Robert S.; Lorenzo, Tina V.; Hansen, John H.; and Russell, Earnest J., 4,816,035, Cl. 8-938.000.
Russell, Ernest J.; and Choi, M. K., to Burlington Industries, Inc. Continuous aqueous dyeing process for high-tenacity industrial nylon fabrics. 4,812,140, 3-14-89, Cl. 8-492.000.
Russell, Ernest J.; and FitzGerald, Tanya E., to Burlington Industries, Inc. Process for the continuous dyeing of industrial nylon. 4,878,920, 11-7-89, Cl. 8-476.000.
Russell, Ernest J.: *See—*
  Choi, M. K.; and Russell, Ernest J., 4,832,699, Cl. 8-680.000.
Russell, Findlay E.: *See—*
  Sullivan, John B.; and Russell, Findlay E., 4,849,352, Cl. 435-69.000.
Russell Finex Limited of Russell House: *See—*
  Monteith, John, 4,816,144, Cl. 209-364.000.
Russell, Frank S.; and Hallihan, Timothy J., to Sleeper & Hartley Corp. Computer controlled coiling machine. 4,873,854, 10-17-89, Cl. 72-12.000.
Russell, Frederick E.; and Russell, Brandon, to Protectaire Systems Co. Automatically adjustable weir and environmentally protected sensor. 4,867,872, 9-19-89, Cl. 210-104.000.
Russell, Gary; and Kozacky, Walter J., to Lockwood Technical, Inc. Solenoid driver system. 4,890,188, 12-26-89, Cl. 361-154.000.
Russell, Gordon K., to Pressers International Products Inc. Inflatable ball with swingable variable internal weight. 4,842,563, 6-27-89, Cl. 446-221.000.
Russell, I. Jon; Carlson, Thomas C.; and Vipraio, Gilbert A., to Board of Regents, The University of Texas System. Device for non-invasive diagnosis and monitoring of articular and periarticular pathology. 4,823,807, 4-25-89, Cl. 128-773.000.
Russell, Jack. Method and apparatus for controlling stepmotor mechanical drives. 4,888,541, 12-19-89, Cl. 318-696.000.
Russell, Jack A., to Vapor Corporation. Traction load meter system. 4,804,910, 2-14-89, Cl. 324-120.000.
Russell, James P.: *See—*
  Gurak, Nur R.; Thompson, Ronald J.; Russell, James P.; and Yarkovsky, Joseph M., 4,889,670, Cl. 264-50.000.
Russell, James T., to Optical Recording Corporation. Field correction apparatus. 4,861,144, 8-29-89, Cl. 350-412.000.
Russell, Jeffrey D.: *See—*
  Bottorf, Scott A.; Russell, Jeffrey D.; and Southard, Conway A., 4,825,381, Cl. 364-443.000.
Russell, John. Board game. 4,824,117, 4-25-89, Cl. 273-248.000.
Russell, John N.: *See—*
  Worthington, Peter; and Russell, John N., 4,825,796, Cl. 114-199.000.
Russell, John W., to Dow Chemical Company, The. Resolution of enantiomers of herbicidal 2-(4-aryloxyphenoxy) propionates by chiral two-phase extraction. 4,831,147, 5-16-89, Cl. 346-302.000.
Russell, Joseph W.; and Russell, Toni M. Sanitary baby pacifier 4,819,641, 4-11-89, Cl. 128-360.000.
Russell, Larry A.: *See—*
  Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., 4,885,738, Cl. 370-58.100.
Russell, Larry R. and Corbett, Kevin T., to Exxon Production Research Company. Drill pipe protector 4,796,670, 1-10-89, Cl. 138-110.000.
Russell, Leslie T.: *See—*
  Watts, Kenneth C.; Russell, Leslie T.; and Jollimore, Gregory R., 4,843,847, Cl. 73-598.000.
Russell, Malcom H.: *See—*
  Vogt, Hans; Russell, Malcom H.; McKechnie, Richard C.; and Gentle, Derek F., 4,822,098, Cl. 296-901.000.
Russell, Mark W., to Xerox Corporation. Variable magnification copier. 4,868,603, 9-19-89, Cl. 355-58.000.
Russell, Michael; and Gjestrum, Einar, to Geco A.S. Cable handling apparatus. 4,828,223, 5-9-89, Cl. 254-265.000.
Russell, Michael A., to Medical Parameters, Inc. Catheter introducer valve. 4,857,062, 8-15-89, Cl. 604-256.000.
Russell, Michael F.: *See—*
  Haworth, Roy; and Russell, Michael F., 4,825,689, Cl. 73-116.000.
Russell, Michael K.; and Russell, Anthony W., to NL Sperry Sun, Inc. Mud pressure control system with magnetic torque transfer 4,802,150, 1-31-89, Cl. 367-85.000.
Russell, Michael K.; and Evans, Kenneth S., to Baroid Technology, Inc. Accelerometer having a permanent magnet with non-magnetic end members. 4,845,988, 7-11-89, Cl. 73-516.00R.
Russell, Michael K.; Wesenberg, Donald L.; and Leaney, Peter A., to NL Industries, Inc. Assemblies for supporting electrical circuit boards within tubes. 4,855,870, 8-8-89, Cl. 361-395.000.
Russell, Michael T.; and Russell, Chong S. Wrist mounted entertainment unit. 4,864,658, 9-12-89, Cl. 2-160.000.
Russell, Milo F., to Waterloo Industries, Inc. Integral slide formed from drawer shell. 4,861,123, 8-29-89, Cl. 312-330.100.
Russell, Patrick M.; Porchia, Jose; and Pihlaja, Roger K., to Dow Chemical Company, The. Device and method for cooling a high temperature furnace. 4,847,859, 7-11-89, Cl. 373-113.000.
Russell, Patrick M.: *See—*
  Betso, Stephen R.; Hyun, Kun S.; and Russell, Patrick M. 4,855,404, Cl. 528-502.000.
Russell, Paul F.; Doering, Egon L.; Segerstrom, Clifford C.; Stil, Jacob H.; Harenslak, Gerd; and van Kessel, Matheus M., to Shell Oil Company. Controlling rapping cycle. 4,836,146, 6-6-89, Cl. 122-379.000.
Russell, Paul R., to Pease Windamatic Systems, Inc. Transfer tooling for wire coils. 4,800,646, 1-31-89, Cl. 29-736.000.
Russell, Peter J., to Knight-Mechadyne Limited. Torque-apportioning differential mechanism for motor vehicles. 4,821,603, 4-18-89, Cl. 74-715.000.
Russell, Peter J.: *See—*
  Hollingsworth, Michael W.; and Russell, Peter J., 4,861,503, Cl. 252-135.000.
  Kenyon, Ian R.; Russell, Peter J.; and Taylor, Thomas, 4,882,074, Cl. 252-8.800.
Russell, Raymond L., to Container Corporation of America. Bulk container filling apparatus. 4,854,353, 8-8-89, Cl. 141-74.000.
Russell, Raymond L.: *See—*
  Everman, Wayne F.; Klug, Randy J.; and Russell, Raymond L. 4,798,571, Cl. 493-114.000.
Russell, Richard H.: *See—*
  Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M., and Wentzell, Timothy H., 4,841,755, Cl. 70-208.000.
  Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,850,209, Cl. 70-208.000.
Russell, Richard L., to Tongue Lock, Inc. Folding unipod seat 4,848,712, 7-18-89, Cl. 248-155.200.
Russell, Robert B. Apparatus for measuring rotation by a combination of the Sagnac and Fizeau effects. 4,815,852, 3-28-89, Cl. 356-350.000.

Russell, Robert G.; and Lister, Roy D., to Eagle-Picher Industries, Inc. Cyclone and filter belt apparatus for dewatering 4,818,400, 4-4-89, Cl. 210-262.000.
Russell, Robert H., to North American Philips Corporation. Apodization of ultrasound transmission. 4,841,492, 6-20-89, Cl. 367-105.000.
Russell, Robert H.; and Acker, Lawrence D., to North American Philips Corporation. Transmit focus generator for ultrasound imaging. 4,870,971, 10-3-89, Cl. 128-661.010.
Russell, Robert H.: *See—*
  Schleicher, Israel D.; and Russell, Robert H., 4,821,706, Cl. 128-660.010.
Russell, Robert J., to Honeywell Bull, Inc. Assembly of electronic components testable by a reciprocal quiescent testing technique. 4,808,915, 2-28-89, Cl. 324-73.00R.
Russell, Ronald K., to Ortho Pharmaceutical Corporation. Ethanesulfonamide derivatives. 4,874,771, 10-17-89, Cl. 514-331.000.
Russell, Ronald K.: *See—*
  Press, Jeffery B.; and Russell, Ronald K., 4,835,157, Cl. 514-258.000.
Russell, Ronald R., to General Electric Company. Molded case circuit breaker actuator-accessory module. 4,833,563, 5-23-89, Cl. 361-92.000.
Russell, Ronald R., to General Electric Company. Molded case circuit breaker actuator-accessory module. 4,858,056, 8-15-89, Cl. 361-93.000.
Russell, Ronald R., to General Electric Company. Molded case circuit breaker actuator-accessory module. 4,860,157, 8-22-89, Cl. 361-156.000.
Russell, Ronald R. Molded case circuit breaker actuator-accessory unit. 4,890,184, 12-26-89, Cl. 361-87.000.
Russell, Ronald R.: *See—*
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Russell, Ronald W.; and Cox, Larry R., to Chrysler Motors Corporation. Folding seat hinge assembly with quick disconnect. 4,888,854, 12-26-89, Cl. 16-266.000.
Russell, Samuel S.: *See—*
  Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., 4,881,411, Cl. 73-856.000.
  Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., 4,884,027, Cl. 324-158.00F.
Russell, Stephen D., to United States of America, Army. Double-sided co-axial laser. 4,860,303, 8-22-89, Cl. 372-72.000.
Russell, Stephen D., to United States of America, Army. Phase-conjugate resonator. 4,875,219, 10-17-89, Cl. 372-92.000.
Russell, Stephen D.: *See—*
  Stamnitz, Timothy C.; and Russell, Stephen D., 4,867,518, Cl. 350-96.150.
Russell, Thomas L., Jr., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Method and apparatus for subscription broadcast. 4,890,322, 12-26-89, Cl. 380-20.000.
Russell, Timothy D.: *See—*
  Gilliard, Richard P.; Cap, Daniel M.; and Russell, Timothy D., 4,798,995, Cl. 313-638.000.
Russell, Toni M.: *See—*
  Russell, Joseph W.; and Russell, Toni M., 4,819,641, Cl. 128-360.000.
Russell, William F.; McDavid, William T.; and Baker, Robert A., to Terra Marine Engineering, Inc. Vibrator seismic data correlation system. 4,864,546, 9-5-89, Cl. 367-41.000.
Russell, William G., Jr. Adapter. 4,844,171, 7-4-89, Cl. 166-377.000.
Russell, William K. Drain plug assembly for dishwasher, and the like. 4,841,581, 6-27-89, Cl. 4-400.000.
Russell William, Ltd.: *See—*
  Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,852,839, Cl. 248-225.100.
  Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kain, Richard S., 4,854,535, Cl. 248-225.200.
Russello, Vincent J., to Bunker Ramo Corporation. Programmable apparatus and method for testing computer peripherals. 4,837,764, 6-6-89, Cl. 371-20.000.
Russet Instruments PLC: *See—*
  Sparshott, John; Butler, Stephen; and Bowsher, Richard, 4,828,409, Cl. 400-124.000.
Russhard, Peter: *See—*
  Webb, Peter D.; Russhard, Peter; and Mansfield, Lee, 4,855,735, Cl. 340-870.140.
Russo, Alberto, to Nu-Graphics Engineering, Inc. Magnetic rotary locking mechanism and method. 4,878,429, 11-7-89, Cl. 101-486.000.
Russo, Angelo. Adjustable telephone handset cradle. 4,817,139, 3-28-89, Cl. 379-449.000.
Russo, Baldassare, III. Apparatus for converting ocean motion to useable energy. 4,803,839, 2-14-89, Cl. 60-501.000.
Russo, James; Levine, Michael R.; Rigotti, Victor; and Skogler, Nicholas, to Honeywell Incorporated. External constant specification in a digital electronic system. 4,829,458, 5-9-89, Cl. 364-556.000.
Russo, James. *See—*
  Levine, Matthew; Cairo, Anthony; Russo, James; Rigotti, Victor; and Clark, Roger, 4,837,731, Cl. 364-145.000.
  Levine, Michael R.; Nelson, Lorne; Russo, James; and Beckey, Thomas, 4,817,705, Cl. 165-12.000.
  Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,841,458, Cl. 364-557.000.
  Levine, Michael R.; Rigotti, Victor; Russo, James; and Skogler, Nicholas, 4,864,513, Cl. 364-482.000.
Russo, James T.; Rigotti, Victor H.; and Levine, Michael R., to Honeywell Incorporated. Overload protection circuit for solid state switch. 4,829,457, 5-9-89, Cl. 364-550.000.
Russo, John A.: *See—*
  Kinseley, Peter B.; Kipperman, Stuart R.; and Russo, John A., 4,800,904, Cl. 132-73.500.
Russo, John L.; and Van der Kloot, Robert H., to Teradyne, Inc. Automatic circuit tester control system. 4,875,210, 10-17-89, Cl. 371-27.000.
Russo, Onofrio N., to Gas Energy, Inc. Plunger lock and key. 4,840,049, 6-20-89, Cl. 70-34.000.
Russo, Paul J.: *See—*
  Bucher, Michael S.; Russo, Paul J.; and Schaar, Robert J., 4,872,919, Cl. 134-3.000.
Russo, Raimondo: *See—*
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella, Sergio, 4,798,898, Cl. 548-146.000.
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella. Sergio, 4,857,643, Cl. 544-121.000.
Russo, Vera: *See—*
  Sottini, Stefano; Russo, Vera; Crea, Filippo; and Margheri, Giancarlo, 4,842,390, Cl. 350-96.150.
Russo, Vincent J.: *See—*
  Antony, Kenneth C.; and Russo, Vincent J., 4,842,183, Cl. 228-119.000.
Russoniello, Fabio. Covection cooling probe mounting jacket. 4,860,603, 8-29-89, Cl. 73-866.500.
Russow, Jurgen: *See—*
  Tetzlaff, Karl-Heinz; Schmid, Dieter; and Russow, Jurgen, 4,824,534, Cl. 204-128.000.
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  Aicher, Max; Jungwirth, Dieter; Klein, Hans-Wilhelm; and Russwurm, Dieter, 4,877,463, Cl. 148-12.00B.
Rust, Jeffrey J.; LeVasseur, Rodney J.; Meilach, Alan; Beech, Brian; Wetzel, Richard M.; and Freudenheim, Eric J., to DataCard Corporation. Method and apparatus for parallel integrated circuit card initialization and embossing. 4,825,054, 4-25-89, Cl. 235-380.000.
Rust, John L., to Ford Motor Company. Backlite assembly for an automotive vehicle. 4,806,903, 2-21-89, Cl. 340-97.000.
Rust-Oleum Corporation: *See—*
  Hall, Robert M., 4,857,578, Cl. 524-488.000.
Rust, Ray D.: *See—*
  George, Carroll H.; and Rust, Ray D., 4,812,217, Cl. 204-192.120.
  Lambert, William R.; Lu, Neng-Hsing; and Rust, Ray D., 4,820,376, Cl. 156-643.000.
Rust, Wayne; and Bonnesen, John S., to Reliance Comm/Tec Corporation. Overvoltage protector for use with data cables. 4,862,311, 8-29-89, Cl. 361-91.000.
Rust, Wayne; and Gilberis, Alexander G., to Reliance Comm/Tec Corporation. Line protector for a communications circuit. 4,876,621, 10-24-89, Cl. 361-58.000.
Rustad, Norman E.: *See—*
  Harrell, Edward R.; Rustad, Norman E.; and Mosbey, Deral T., 4,837,082, Cl. 428-329.000.
Rustebakke, Paul *See—*
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Rustemeyer, Paul: *See—*
  Roggenstein, Walter; and Rustemeyer, Paul, 4,883,603, Cl. 210-802.000.
Rusterholz, John T.; and Schomburg, John R., to Unisys Corporation. Method and apparatus for performing a vector reduction. 4,839,845, 6-13-89, Cl. 364-736.000.
Rusterholz, John T.; and Hamstra, James R., to Unisys Corporation. Loop control mechanism for scientific processor. 4,858,115, 8-15-89, Cl. 364-200.000.
Rusterholz, John T.; Lahti, Archie E.; Bushard, Louis B.; Byers, Larry L.; Hamstra, James R.; and Homan, Charles J., to Unisys Corporation. Scientific processor to support a host processor referencing common memory. 4,873,630, 10-10-89, Cl. 364-200.000.
Rustik, James J.: *See—*
  Boldrin, Clete M.; McCorkle, Richard D.; Rice, Jimmy W.; and Rustik, James J., 4,800,798, Cl. 91-361.000.
Rusu, Robert T.; O'Connor, David; Cadwallader, Walter; de Champlain, Michael; and Ottho, Ulf, to Alpha Dynamics Corporation. Rotating amusement device. 4,824,099, 4-25-89, Cl. 272-33.00R
Ruszczyk, Stanley J.: *See—*
  Larson, Gary B.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,804,615, Cl. 430-314.000.
  Larson, Gary B.; Ferrier, Donald R.; Ruszczyk, Stanley J.; and Castaldi, Steven A., 4,831,210, Cl. 174-35.0MS.
Ruszczyk, William S.: *See—*
  Rogers, William C.; and Ruszczyk, William S., 4,864,535, Cl. 365-94.000.
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Ruta, Joseph W., to S&C Electric Company. Control circuit with validity-determining arrangement. 4,839,770, 6-13-89, Cl. 361-93.000.
Rutenbeck, Mark M.; Rebers, Kenneth D.; and Seim, William J., to Minnesota Mining and Manufacturing Co. Cable closure. 4,810,829, 3-7-89, Cl. 174-41.000.
Rutenberg, Mark R., to ITT Corporation. System integrated fault-tree analysis methods (SIFTAN). 4,870,575, 9-26-89, Cl. 364-300.000.

Ruter, Hans-Werner, to U.S. Philips Corporation. Method of packing small components. 4,860,521, 8-29-89, Cl. 53-397.000.
Rutgers, The State University: *See—*
  Gilbert, Seymour G., 4,869,093, Cl. 73-23.100.
  Hannigan, Benjamin R.; and Fernandes, Jose R., 4,830,188, Cl. 209-3.000.
Rutgers, The State University of New Jersey: *See—*
  Chien, Yie W.; Chiang, Chin-Chih; and Tojo, Kabuji, 4,806,341, Cl. 424-448.000.
  Chien, Yie W.; Chien, Te-Yen; and Huang, Yih-Chain, 4,818,540, Cl. 424-448.000.
  Chien, Yie W.; Lee, Chia-Shun; Valia, Kirti H.; and Chien, Te-Yen, 4,883,669, Cl. 424-448.000.
  Scheinbeim, Jerry I.; and Newman, Brian A., 4,830,795, Cl. 264-22.000.
  Scheinbeim, Jerry I.; and Newman, Brian A., 4,863,648, Cl. 264-22.000.
Rutgers University: *See—*
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Rutgerswerke AG: *See—*
  Beneke, Herbert; and Peter, Siegfried, 4,806,228, Cl. 208-45.000.
  Beneke, Herbert; Alscher, Arnold; Oberkobusch, Rudolf; Peter, Siegfried; and Jaumann, Wolfgang, 4,871,443, Cl. 208-39.000.
  Beneke, Herbert; and Peter, Siegfried, 4,882,139, Cl. 423-447.400.
  Dietrich, Wolf; Beez, Volker; and Giebeler, Eberhard, 4,801,404, Cl. 252-607.000.
  Jellinek, Karl; Meier, Bert; Herzog, Rolf; and Reinsch, Gunter, 4,831,101, Cl. 528-87.000.
  Jellinek, Karl; Meier, Bert; and Zehrfeld, Jurgen, 4,839,229, Cl. 428-413.000.
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Rutges, Antonius A.: *See—*
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Ruth, Bernhard, to Gesellschaft fur Strahlen- und Umweltforschung mbH. Measurement signal interference elimination. 4,830,020, 5-16-89, Cl. 328-691.000.
Ruth, Robert N., Jr., to Silicon Connections Corporation. BiCMOS logic circuits with reduced crowbar current. 4,845,385, 7-4-89, Cl. 307-446.000.
Ruthen, Graham J., to EMI Limited. Fuzing arrangements. 4,825,766, 5-2-89, Cl. 102-215.000.
Ruthenberg, Bodo: *See—*
  Lorenzen, Gunter; and Ruthenberg, Bodo, 4,869,550, Cl. 297-180.000.
Ruthenberg, Klaus: *See—*
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Rutherford, David B., to General Signal Corporation. Vital processor implemented with non-vital hardware. 4,831,521, 5-16-89, Cl. 364-200.000.
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  Legge, John R.; and Rutherford, Frank C., 4,855,011, Cl. 156-583.100.
Rutherford, Howard J., to International Flavors & Fragrances, Inc. Compositions and methods for controlled release of fragrance-bearing substances. 4,842,761, 6-27-89, Cl. 252-90.000.
Rutherford W. Scott: *See—*
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Rutigliano, Frank. Drip-can holder. 4,872,631, 10-10-89, Cl. 248-313.000.
Rutigliano, Joseph. Hand held game for playing liar's poker. 4,828,264, 5-9-89, Cl. 273-138.00R.
Rutili, Renzo N.: *See—*
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Rutimann, Peter, to Feller AG. Plugging apparatus for the transmission of electrical energy. 4,887,881, 12-19-89, Cl. 350-96.200.
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  Garris, Charles R.; Ruttenberg, Kenneth M.; and Neiswender, James L., Sr., 4,802,323, Cl. 53-53.000.

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Ryan, Carl R., to Motorola, Inc. Negative feedback, phase rotation, phase acquisition and tracking apparatus and method. 4,816,775, 3-28-89, Cl. 331-12.000.
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Ryan, Francis W.: *See—*
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Ryan, Francis X., to Mobil Oil Corporation. Method for removing organic residue from as-synthesized zeolites. 4,851,200, 7-25-89, Cl. 423-118.000.
Ryan, Francis X.: *See—*
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Ryan, John O., to Macrovision Corporation. Method and apparatus for clustering modifications made to a video signal to inhibit the making of acceptable videotape recordings. 4,819,098, 4-4-89, Cl. 360-37.100.
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Ryder, Francis E.; and Kanner, Rowland W., to Ryder International Corporation. Latching structure for contact lens holder. 4,807,750, 2-28-89, Cl. 206-5.100.
Ryder, Francis E.; and Lisak, Stephen P., to Ryder Int'l Corporation and Textron Inc. Headlamp mounting assembly. 4,809,139, 2-28-89, Cl. 362-66.000.
Ryder, Francis E.; and Kanner, Rowland W., to Ryder International Corporation. Instrument for handling contact lens disinfecting catalyst. 4,817,998, 4-4-89, Cl. 294-1.100.
Ryder, Francis E., to Ryder International Corporation. Lens case. 4,823,944, 4-25-89, Cl. 206-5.100.
Ryder, Francis E.; and Ranalletta, Joseph V., to Ryder International Corporation. Fishing lure. 4,848,023, 7-18-89, Cl. 43-44.200.
Ryder, Francis E., to Ryder International Corporation. Fishing lure for simulated feeding. 4,858,370, 8-22-89, Cl. 43-43.130.
Ryder, Francis E.; Johnson, Donald E.; and Krupp, Gerald L., to Ryder International Corporation. Disinfector for glass vials. 4,863,698, 9-5-89, Cl. 422-116.000.
Ryder, Francis E.; and Williams, Fred E., Jr., to Ryder International Corporation. Fixture for tying fishing knots. 4,871,200, 10-3-89, Cl. 289-17.000.
Ryder, Francis E.; Kanner, Rowland W.; and Williams, Fred E., to Ryder International Corporation. Wall plug lens disinfector. 4,873,424, 10-10-89, Cl. 219-521.000.
Ryder International Corp.: *See—*
  Egner, Ronald J., 4,842,437, Cl. 403-24.000.
  Kanner, Rowland W., 4,801,033, Cl. 215-322.000.
  Ryder, Francis E.; Lisak, Stephen P.; and Purdy, Harold L., 4,802,067, Cl. 362-61.000.
  Ryder, Francis E.; and Kanner, Rowland W., 4,807,313, Cl. 5-62.000.
  Ryder, Francis E.; and Kanner, Rowland W., 4,807,750, Cl. 206-5.100.
  Ryder, Francis E.; and Kanner, Rowland W., 4,817,998, Cl. 294-1.100.
  Ryder, Francis E., 4,823,944, Cl. 206-5.100.
  Ryder, Francis E.; and Ranalletta, Joseph V., 4,848,023, Cl. 43-44.200.
  Ryder, Francis E., 4,858,370, Cl. 43-43.130.
  Ryder, Francis E.; Johnson, Donald E.; and Krupp, Gerald L., 4,863,698, Cl. 422-116.000.
  Ryder, Francis E.; and Williams, Fred E., Jr., 4,871,200, Cl. 289-17.000.
  Ryder, Francis E.; Kanner, Rowland W.; and Williams, Fred E., 4,873,424, Cl. 219-521.000.
  Wright, David; and Rabenau, Richard, 4,858,754, Cl. 206-5.100.
  Young, Larry L., 4,823,970, Cl. 215-329.000.
Ryder International and Textron, Inc.: *See—*
  Lisak, Stephen P.; and McGuire, James T., 4,838,512, Cl. 248-503.000.
Ryder Int'l Corporation: *See—*
  Ryder, Francis E.; and Lisak, Stephen P., 4,809,139, Cl. 362-66.000.

Ryder, John H.: *See—*
  Lisle, Ronald J.; Moss, Eual A.; and Ryder, John H., 4,843,389, Cl. 341-106.000.
Ryder, Judith A. Releasable securing means for an infant's shirt. 4,853,979, 8-8-89, Cl. 2-326.000.
Ryder, Peter M.; and Spector, George. Windproof umbrella. 4,804,008, 2-14-89, Cl. 135-35.00V.
Rydqvist, Sune S. L. Partition panel system. 4,821,477, 4-18-89, Cl. 52-239.000.
Rye, Ralph K. Adjustable armed chair. 4,872,727, 10-10-89, Cl. 297-411.000.
Ryer, Jack: *See—*
  Guttierrez, Antonio; and Ryer, Jack, 4,797,219, Cl. 252-56.00D.
Ryerson, Lee T., to Caterpillar Inc. Control circuit for positioning and tilting an earthmoving blade. 4,802,537, 2-7-89, Cl. 172-812.000.
Ryf, Martin: *See—*
  Bjurling, Per A.; Ryf, Martin; and Embring, Goran P., 4,864,178, Cl. 310-334.000.
Ryf, Rudolf, to MDC Max Datwyler Bleienbach AG. Device for engraving intaglio printing cylinders. 4,830,552, 5-16-89, Cl. 409-103.000.
Ryham, Rolf, to Ahlstromforetagen Svenska AB. Air conditioning process and apparatus therefor. 4,860,548, 8-29-89, Cl. 62-94.000.
Ryham, Rolf, to Ahlstromforetagen Svenska AB. Air conditioning process and apparatus. 4,864 830, 9-12-89, Cl. 62-94.000.
Ryham, Rolf, to Ahlstromforetagen Svenska AB. Process and apparatus for cooling a fluid. 4,877,080, 10-31-89, Cl. 165-2.000.
Ryham, Rolf, to Ahlstromforetagen Svenska AB. Apparatus and process for generating steam from wet fuel. 4,878,441, 11-7-89, Cl. 110-238.000.
Ryham, Rolf. Method and apparatus for drying a particulate material such as bark. 4,888,882, 12-26-89, Cl. 34-10.000.
Ryko Manufacturing Company: *See—*
  Stufflebeam, Frank L.; and Nelson, James A., 4,878,262, Cl. 15-53.00B.
Ryks, Edward A.: *See—*
  Shivvers, Charles C.; Shivvers, Steven D.; Arnold, Richard A.; and Ryks, Edward A., 4,843,817, Cl. 60-487.000.
  Shivvers, Charles C.; Shivvers, Steven D.; Arnold, Richard A.; and Ryks, Edward A., 4,845,949, Cl. 60-436.000.
Ryksuniversiteit Leiden: *See—*
  Hoff, Arnold J., 4,801,552, Cl. 436-173.000.
Rylander, Roland. Device for filtering a stream of air. 4,851,016, 7-25-89, Cl. 55-228.000.
Ryles, Roderick G.; Robustelli, Albert G.; and Cicchiello, James V., to American Cyanamid Company. High temperature profile modification agents and methods for using same. 4,825,949, 5-2-89, Cl. 166-294.000.
Ryles, Roderick G., to American Cyanamid Company. High temperature profile modification agents and methods for using same. 4,865,129, 9-12-89, Cl. 166-295.000.
Ryles, Roderick G.: *See—*
  Neff, Roger E.; and Ryles, Roderick G., 4,861,499, Cl. 252-8.551.
Rymal, Ted R. Method and apparatus for recovering low density liquids in surface water. 4,851,133, 7-25-89, Cl. 210-776.000.
Ryman, Lennart: *See—*
  Brostrom, Doris; and Ryman, Lennart, 4,879,586, Cl. 357-54.000.
Rymo, Lars: *See—*
  Vahlne, Anders; Svennerholm, Bo; Rymo, Lars; Jeansson, Stig; and Horal, Peter, 4,812,556, Cl. 530-324.000.
Ryntz, Rose A.; and Kurple, Kenneth R., to Du Pont de Nemours, E. I., and Company. Polysiloxane graft copolymers, flexible coating compositions comprising same and branched polysiloxane macromers for preparing same. 4,804,732, 2-14-89, Cl. 528-28.000.
Ryntz, Rose A., to Du Pont de Nemours, E. I., and Company. Polyester graft copolymers, flexible coating compositions comprising same and branched polyester macromers for preparing same II. 4,810,759, 3-7-89, Cl. 525-440.000.
Ryntz, Rose A.; Sercina, Karen A.; and Kurple, Kenneth R., to Du Pont de Nemours, E. I., and Company. Thermosetting caprolactone-styrene allyl alcohol polyester urethane coating composition. 4,855,359, 8-8-89, Cl. 525-130.000.
Ryntz, Rose A., to Du Pont de Nemours, E. I., and Company. Polyester graft copolymers, flexible coating compositions comprising same and branched polyester macromers for preparing same II. 4,870,140, 9-26-89, Cl. 525-440.000.
Ryntz, Rose A., to Du Pont de Nemours, E. I., and Company. Polyester graft copolymers, flexible coating compositions comprising same and branched polyester macromers for preparing same (III). 4,873,285, 10-10-89, Cl. 525-28.000.
Ryntz, Rose A., to Du Pont de Nemours, E. I., and Company. Polysiloxane graft copolymers, flexible coating compositions comprising same and branched polysiloxane macromers for preparing same II. 4,873,298, 10-10-89, Cl. 525-479.000.
Ryntz, Rose A., to Du Pont de Nemours, E. I., and Company. Polyester graft copolymers, flexible coating compositions comprising same and branched polyester macromers for preparing same II. 4,888,399, 12-19-89, Cl. 525-440.000.
Ryobi Ltd.: *See—*
  Aoki, Atsuhito, 4,850,550, Cl. 242-218.000.
  Egoshi, Yoshiaki; and Sasaki, Hideto, 4,834,165, Cl. 164-14.000.
  Emura, Masaharu; and Kobayashi, Takehiro, 4,824,046, Cl. 242-220.000.
  Emura, Masaharu, 4,881,699, Cl. 242-248.000.
  Hashii, Toshimitu, 4,837,981, Cl. 51-170.0MT.
  Ishii, Koji; and Okuda, Yukito, 4,860,651, Cl. 101-232.000.
  Ishii, Koji, 4,879,950, Cl. 101-217.000.
  Kawai, Kazuaki; Ishida, Hitoshi; and Yamauchi, Noriyoshi, 4,852,634, Cl. 164-457.000.
  Maehara, Kenso, 4,864,928, Cl. 101-218.000.
  Maruyama, Kenji, 4,832,279, Cl. 242-84.51R.
  Murakami, Hideo, 4,874,144, Cl. 242-235.000.
  Nakai, Shinichi, 4,853,606, Cl. 320-36.000.
  Nakauchi, Shunsaku, 4,854,619, Cl. 292-335.000.
  Nakayama, Yoji; and Yasui, Akira, 4,821,447, Cl. 43-18.100.
  Nishi, Naomi; Kami, Shigetake; and Yamaguchi, Takashi, 4,847,048, Cl. 420-547.000.
  Ogawa, Kazuaki; and Shiramasa, Miyoshi, 4,858,272, Cl. 16-80.000.
  Sakumoto, Akinori, 4,813,626, Cl. 242-84.50A.
  Sakumoto, Akinori, 4,850,549, Cl. 242-255.000.
  Shiramasa, Miyoshi; and Okano, Katsuhiko, 4,825,503, Cl. 16-52.000.
  Sugeta, Hideki, 4,832,278, Cl. 242-84.50R.
  Takahashi, Kazuyuki; Oe, Yasuhiro; and Yamamoto, Etushi, 4,811,487, Cl. 30-382.000.
  Tsunoda, Kikuo; Yorikane, Toshiaki; and Murakami, Hideo, 4,830,306, Cl. 242-84.20R.
  Tsunoda, Kikuo, 4,865,262, Cl. 242-241.000.
  Tunoda, Kikuo, 4,884,762, Cl. 242-236.000.
  Uetsuki, Haruo; Kobayashi, Takehiro; and Makino, Kounoshin, 4,821,975, Cl. 242-84.52B.
Ryobi Motor Products Corp.: *See—*
  Herron, Roy H., Jr.; and Sumerau, William R., 4,864,683, Cl. 15-412.000.
  Matthews, James A.; and Rotola, Louis A., Jr., 4,856,139, Cl. 15-350.000.
  Sistare, James R., 4,827,616, Cl. 30-210.000.
  Steadings, Stephen W., 4,811,450, Cl. 15-337.000.
  Sumerau, William R., 4,811,452, Cl. 15-337.000.
  Winchester, Charles D., 4,879,438, Cl. 200-61.850.
  Wolfe, Jack, 4,878,405, Cl. 81-57.310.
Ryoden Kasei Co., Ltd.: *See—*
  Ohashi, Masato; and Kodai, Shiyojiro, 4,879,153, Cl. 428-76.000.
  Ohashi, Masato; and Kodai, Shiyoojiro, 4,889,749, Cl. 428-13.000.
Ryoichi, Kimura; Noriaki, Hattori; and Kazuharu, Watabe, to Honda Giken Kogyo Kabushiki Kaisha. Automobile telephone unit. 4,868,862, 9-19-89, Cl. 379-58.000.
Ryokai, Kimitoshi; and Wakabayashi, Naruki, to Shimizu Construction Co., Ltd. Method and apparatus for measuring water content. 4,886,088, 12-12-89, Cl. 137-78.300.
Ryoke, Katsumi; Takahashi, Masatoshi; Okutu, Toshimitu; and Kosha, Hideaki, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,803,121, 2-7-89, Cl. 428-329.000.
Ryoke, Katsumi; Okutu, Toshimitu; Takahashi, Masatoshi; and Yamada, Yasuyuki, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,868,060, 9-19-89, Cl. 428-422.800.
Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Hanai, Kazuko, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,880,692, 11-14-89, Cl. 428-323.000.
Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Yoneyama, Takashi, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,880,693, 11-14-89, Cl. 428-323.000.
Ryoke, Katsumi: *See—*
  Hasumi, Kazuo; Watanabe, Hideomi; Okita, Tsutomu; Ryoke, Katsumi; and Kosha, Hideaki, 4,886,703, Cl. 428-323.000.
Ryoko Co., Ltd.: *See—*
  Higa, Teruo, 4,839,051, Cl. 210-602.000.
Ryon, Randall C.; and Austin, Robert A., to Ryon, Randall C. Sailwing and controls for a sail craft. 4,852,507, 8-1-89, Cl. 114-39.100.
Ryono, Denis E.; and Weller, Harold N., III, to E. R. Squibb & Sons, Inc. N-heterocyclic alcohol renin inhibitors. 4,885,292, 12-5-89, Cl. 514-211.000.
Ryowa Corporation: *See—*
  Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
Rypacek, Frantisek; Uher, Jan; and Drobnik, Jaroslav, to Ceskoslovenska akademie ved. Composition for diagnosing the transport function of the fallopian tube and a method for preparing said composition. 4,808,399, 2-28-89, Cl. 424-2.000.
Rypinski, Chandos A., to AMP Incorporated. Lan communication system and medium adapter for use therewith. 4,803,485, 2-7-89, Cl. 340-825.050.
Rys, Paul: *See—*
  Clausen, Martin; and Rys, Paul, 4,861,920, Cl. 568-741.000.
Ryschka, Martin: *See—*
  Falb, Wolfgang; Ryschka, Martin; and Wallroth, Carl-Friedrich, 4,825,860, Cl. 128-203.120.
Ryser, Andreas: *See—*
  Weber, Markus; Ryser, Andreas; and Jeker, Rene, 4,878,351, Cl. 62-51.100.
  Weber, Markus; Ryser, Andreas; and Jeker, Rene, 4,878,352, Cl. 62-51.100.
Ryser, Hugues J. P.; and Shen, Wei-Chiang, to Boston University, The Trustees of. Method of effecting cellular uptake of molecules. 4,847,240, 7-11-89, Cl. 514-12.000.
Rysevas, Mauricio: *See—*
  Lobo, Roberto J. H.; and Rysevas, Mauricio, 4,817,752, Cl. 180-247.000.
Ryszytiwskyj, William P.: *See—*
  Coppola, Frank; Dumbaugh, William H., Jr.; and Ryszytiwskyj, William P., 4,880,453, Cl. 65-23.000.

- Rytand, David H. Floating dock. 4,887,654, 12-19-89, Cl. 114-267.000.
- Rytec Corporation: *See—*
  - Mueller, Louis, 4,855,567, Cl. 219-218.000.
- Ryu, Je-Hwan: *See—*
  - Seo, Dong-Il; and Ryu, Je-Hwan, 4,868,484, Cl. 323-314.000.
- Ryu, Sang W., to Goldstar Co., Ltd. Control method for limiting watching distance in television. 4,835,614, 5-30-89, Cl. 358-194.100.
- Ryu, Shiro; and Mochizuki, Kiyofumi, to Kokusai Denshin Denwa Kabushiki Kaisha. Polarization diversity light receiving system using baseband combining. 4,888,817, 12-19-89, Cl. 455-619.000.
- Ryudensha Co., Ltd.: *See—*
  - Ikeda, Yoshiaki, 4,801,214, Cl. 383-37.000.
- Ryuji, Marumoto: *See—*
  - Yoshio, Taniyama; Koichi, Igarashi; and Ryuji, Marumoto, 4,849,350, Cl. 435-68.000.
- Ryukawa, Eiji: *See—*
  - Hashimoto, Hitoshi; Fujita, Tsutomu; Ryukawa, Eiji; and Kodachi, Hideo, 4,819,311, Cl. 29-40.000.
- Ryynanen, Seppo I., to Nobar Ky. Method of sequentially separating a medium into different components. 4,820,427, 4-11-89, Cl. 210-788.000.
- Ryzner, Clemens, to Paul Pleiger Maschinenfabric GmbH & Co. KG. Built-in two-way directional control valve. 4,794,951, 1-3-89, Cl. 137-596.150.
- Rzad, Stefan J.: *See—*
  - Devins, John C.; Reed, Clive W.; and Rzad, Stefan J., 4,842,941, Cl. 428-412.000.
- Rzedzian, Richard R., to Advanced NMR Systems, Inc. Method of high-speed magnetic resonance imaging employing continuous wave readout gradient. 4,818,942, 4-4-89, Cl. 324-312.000.
- Rzepczynski, Zenon G., to Microelectronics Applications Research Institute Limited, The. Tactile sensor device. 4,866,412, 9-12-89, Cl. 338-114.000.
- Rzepkowski, Richard E.: *See—*
  - Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Helm, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.
- Rzeszotarski, Waclaw J.; Audia, Vicki H.; and Weitzberg, Moshe, to Marion Laboratories, Inc. 1-azabicyclo[2.2.2]octan-3-yl 2-aryl-3-azacyclo-2-hydroxypropionates and their quaternary salts. 4,843,074, 6-27-89, Cl. 514-228.200.
- Rzeszotarski, Waclaw J.; Guzewska, Maria E.; Carter, John P.; Adams, Theodore C.; Dupont, Andrea C.; and Kaiser, Carl, to Marion Laboratories, Inc. 2-aminomethylalkynylalkyl-1,3-dithiane derivatives. 4,877,779, 10-31-89, Cl. 514-63.000.
- Rzeszotarski, Waclaw J.; and Mavunkel, Babu J., to Nova Pharmaceutical Corporation. Oximes of oxymorphone, naltrexone and naloxone as potent, selective opioid receptor agonists and antagonists. 4,889,860, 12-26-89, Cl. 514-282.000.
- Rzhussky, Vitaly V.: *See—*
  - Bezborodov, Vladimir S.; Grinkevich, Oleg A.; Grebenkin, Mikhail F.; Lapanik, Valery I.; Minko, Anatoly A.; Rzhussky, Vitaly V.; Muravsky, Anatoly A.; Petrov, Vladimir F.; and Ivaschenko, Alexandr V., 4,853,150, Cl. 252-299.610.
- S.A.F.E.: *See—*
  - Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,882,891, Cl. 52-742.000.
- S.A.I.A.G. S.p.A.: *See—*
  - Zaccaria, Manrico, 4,861,530, Cl. 264-40.200.
- S.A.M.M. - Societe d'Applications des Machines Motrices: *See—*
  - Arnaud, Alain; Perrochat, Jean-Michel; and Philippe, Joseph, 4,858,736, Cl. 188-322.140.
  - Devaud, Gerald; and Rembliere, Jean-Michel, 4,825,754, Cl. 92-122.000.
  - Devaud, Gerard; and Libault de la Chevasnerie, Arnaud, 4,858,650, Cl. 137-625.220.
  - Joseph, Philippe; and Perrochat, Jean Michel, 4,875,706, Cl. 280-708.000.
  - Philippe, Joseph; and Perrochat, Jean-Michel, 4,859,006, Cl. 305-10.000.
- S.A.M.P. S.p.A. Meccanica di Precisione: *See—*
  - Maccaferri, Angelo, 4,830,568, Cl. 414-684.000.
  - Maccaferri, Angelo, 4,834,308, Cl. 242-35.50A.
- S. A. Prisme: *See—*
  - Chauvet, Alain; and Bondoux, Didier, 4,817,988, Cl. 280-817.000.
- S.A.R.L. Etablissements Rigaux: *See—*
  - Cassard, Denis J., 4,805,325, Cl. 40-152.000.
- S.A.R.L. S.T. Lagerwall: *See—*
  - Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent; and Stebler, Bengt, 4,838,663, Cl. 350-350.00S.
- S.A.R. S.p.A.: *See—*
  - Rusgitti, Tommaso, 4,826,031, Cl. 220-4.00B.
- S. A. Schappe: *See—*
  - Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,810,575, Cl. 428-357.000.
  - Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,825,635, Cl. 57-315.000.
- S.A.T. (Societe Anonyme de Telecommunications): *See—*
  - Albagnac, Rene D. M., 4,824,124, Cl. 277-188.00R.
  - Michel, Royer, 4,841,351, Cl. 357-30.000.
- S.B.P. S.r.l.: *See—*
  - Quaggiotti, Vittorio, 4,878,686, Cl. 280-602.000.
- S & B Technical Products, Inc.: *See—*
  - Guzowski, Samuel; and Parth, Leo, 4,834,398, Cl. 277-207.00A.
- S.B. Whistler & Sons, Inc.: *See—*
  - Whister, S. Arthur, 4,843,931, Cl. 83-138.000.
- S & C Co., Ltd.: *See—*
  - Shibano, Yoshihide, 4,865,060, Cl. 134-60.000.
- S&C Electric Company: *See—*
  - Dizon, Edmund S.; and Kalvaitis, Arvydas J., 4,815,237, Cl. 49-383.000.
  - Kalvaitis, Arvydas J.; Dizon, Edmund S.; and Tso, Kenneth K., 4,806,710, Cl. 200-50.00A.
  - Kalvaitis, Arvydas J.; and Ernst, Thomas W., 4,862,324, Cl. 361-390.000.
  - O'Leary, Raymond P., 4,819,120, Cl. 361-58.000.
  - Roman, Christopher D.; and Czuma, Dean M., 4,795,869, Cl. 200-255.000.
  - Ruta, Joseph W., 4,796,148, Cl. 361-97.000.
  - Ruta, Joseph W., 4,839,770, Cl. 361-93.000.
- S. C. Johnson & Son, Inc.: *See—*
  - Benhamou, Franck E.; Lukow, Kenneth R.; and Verbrugge, Calvin J., 4,849,489, Cl. 526-208.000.
  - Billman, Fred L.; Shih, Lih-Bin; and Verbrugge, Calvin J., 4,871,823, Cl. 526-272.000.
  - Bobinger, Karl J.; and Gutkowski, Ronald R., 4,807,781, Cl. 222-546.000.
  - Bosanec, Thomas P.; Lukow, Kenneth R.; and Verbrugge, Calvin J., 4,859,752, Cl. 526-209.000.
  - Buhler, James E.; Crapser, James R.; Miller, Allen D.; and Wefler, Mark E., 4,875,626, Cl. 239-314.000.
  - Coyle, E. Michael; Reichley, Fred J.; Verbrugge, Calvin J.; and Villarreal, John G., 4,855,350, Cl. 524-506.000.
  - Cramer, Ronald G., 4,815,622, Cl. 220-4.00B.
  - Dahlby, Larry C., 4,854,454, Cl. 206-616.000.
  - Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,823,506, Cl. 43-131.000.
  - Demarest, Scott W., 4,837,969, Cl. 43-131.000.
  - Demarest, Scott W.; Martin, John; Hainze, John H.; and Flashinski, Stanley J., 4,841,669, Cl. 43-131.000.
  - Eeg, Edward G.; Grosse, Daniel J.; and Schaefer, Emer E. 4,815,631, Cl. 220-403.000.
  - Etter, Robert M.; and Neumiller, Phillip J., 4,874,672, Cl. 428-457.000.
  - Etter, Robert M.; and Neumiller, Phillip J., 4,883,546, Cl. 134-1.000.
  - Flashinski, Stanley J., 4,851,438, Cl. 514-531.000.
  - Frazee, Glenn R., 4,845,149, Cl. 524-458.000.
  - Frazee, Glenn R., 4,879,333, Cl. 524-460.000.
  - Gueldenzopf, Thomas D., 4,797,221, Cl. 252-95.000.
  - Hagarty, John D., 4,889,710, Cl. 424-45.000.
  - Hakemi, Hassan A.; Rasoul, Husam A. A.; and Stackman, Robert W., 4,842,754, Cl. 252-299.010.
  - Hildebrandt, Donald W.; and Keyel, Richard E., 4,851,218, Cl. 424-84.000.
  - Kandathil, Thomas V., 4,795,032, Cl. 206-634.000.
  - Kelly, Petrina M.; and Berrido, Colin, 4,824,827, Cl. 512-1.000.
  - Kiehlbauch, Richard A.; and Tsaur, Sheng-Liang, 4,839,413, Cl. 524-460.000.
  - Kiffel, William G.; and Tyson, Therese M., 4,837,012, Cl. 424-70.000.
  - Knoll, Donald W.; Shelton, David L.; and Szymczak, Thomas J., 4,822,604, Cl. 424-70.000.
  - Malek, Edward J., 4,805,839, Cl. 239-337.000.
  - Martens, Edward J., III; and Martin, John, 4,849,606, Cl. 219-271.000.
  - Martin, John, 4,839,144, Cl. 422-305.000.
  - Rodero, Alejandro, 4,822,613, Cl. 424-405.000.
  - Rodero, Alejandro, 4,822,614, Cl. 424-405.000.
  - Sandvick, Paul E., 4,810,407, Cl. 252-90.000.
  - Sramek, John A., 4,861,583, Cl. 424-70.000.
  - Sramek, John A., 4,871,529, Cl. 424-47.000.
  - Sramek, John A., 4,874,604, Cl. 424-47.000.
  - Tsaur, Sheng-Liang, 4,820,762, Cl. 524-460.000.
- S. C. Yuter, J.S.D.: *See—*
  - Ritchie, Wallace A., 4,829,421, Cl. 364-200.000.
- S & D Products, Inc.: *See—*
  - Selman, William A., 4,852,282, Cl. 40-159.000.
- S. D. Warren Company: *See—*
  - Blenkhorn, Gary P., 4,840,757, Cl. 264-22.000.
- S.E.R.E. S.r.l.: *See—*
  - Bianchi, Giuseppe; and Faita, Giuseppe, 4,830,721, Cl. 204-151.000.
  - Nidola, Antonio; Schira, Renato; and de Nora, Oronzio, 4,834,851, Cl. 204-114.000.
- S. Eisenberg & Co., Division of Creative Industries, Inc.: *See—*
  - Lake, Connie, 4,872,608, Cl. 229-2.5EC.
- S. Franzen Sohne GmbH & Co.: *See—*
  - Werner, Hans U., 4,819,466, Cl. 70-70.000.
  - Werner, Hans U., 4,823,574, Cl. 70-312.000.
- S + G Implants GmbH: *See—*
  - Grundei, Hans, 4,826,501, Cl. 623-8.000.
  - Grundei, Hans; Hipp, Erwin; and Heinhuber, Bernd, 4,883,489, Cl. 623-22.000.
- S.G.S. Thomson Microelectronics, S.A.: *See—*
  - Bergemont, Albert; and Ferrant, Richard, 4,877,483, Cl. 156-653.000.
- S & G Tool Aid Corp.: *See—*
  - Fodali, Adolph; and Gering, George, 4,853,625, Cl. 324-155.00P.
- S.I.F.I. Societa Industria Farmaceutica Italiana S.p.A.: *See—*
  - Benanti, Giuseppe, 4,797,423, Cl. 514-914.000.

- S I G Schweizerische Industrie-Gesellschaft: *See—*
  - Naef, Ulrich; and Mendler, Bruno, 4,850,526, Cl. 229-87.00R.
- S.I.P.C.A.M. S.p.A - Societa Italiana Prodotti Chimici e per l'Agricoltura Milano: *See—*
  - Ciocca, Baldo; Formigoni, Attilio; and Epis, Gino, 4,814,000, Cl. 71-111.000.
- S.I.R. Service for Innovation Research: *See—*
  - van Liefland, Rudy, 4,828,517, Cl. 440-27.000.
- S. J. Industries, Inc.: *See—*
  - Julius, Richard F., 4,836,228, Cl. 134-72.000.
- S.K. Engineering Co., Ltd.: *See—*
  - Tokuno, Masateru; Sawada, Tetsuya; Gotou, Sadaaki; and Fukaya, Toshihiro, 4,795,297, Cl. 414-795.400.
- S.M.W. Seiko, Inc.: *See—*
  - Taki, Osamu; and Takeshima, Shigeru, 4,886,400, Cl. 405-267.000.
- S&ME, Incorporated: *See—*
  - Wells, Samuel L., 4,826,406, Cl. 417-120.000.
  - Wells, Samuel L., 4,844,797, Cl. 210-104.000.
- S N C Le Petit Cuisinier: *See—*
  - Deneuville, Claude; and Hondermarck, Dominique, 4,805,524, Cl. 99-339.000.
- S.N.R. Roulements: *See—*
  - Sonnerat, Claude; and Brunet, Andre , 4,842,605, Cl. 623-22.000.
- S.P.C. Holding Co., Inc.: *See—*
  - Roberts, Gary D., 4,808,868, Cl. 310-68.00R.
- S. P. Kinney Engineers, inc.: *See—*
  - Hormel, Herbert L., 4,800,915, Cl. 137-340.000.
- S.P. Radio A/S: *See—*
  - Thrane, Lars, 4,856,061, Cl. 380-48.000.
- S.P.T. S.r.l.: *See—*
  - Cundari, Francesco, 4,858,629, Cl. 131-332.000.
- S P Tyres U K Limited: *See—*
  - Griffiths, Phillip N.; and Holmes, Thomas, 4,794,968, Cl. 152-544.000.
  - Holmes, Thomas; and Griffiths, Phillip N., 4,800,940, Cl. 152-379.400.
- S P Tyres UK Limited: *See—*
  - Griffiths, Phillip N.; and Simpson, Mathew, 4,805,682, Cl. 152-544.000.
- S R I International: *See—*
  - Allam, Ibrahim M.; and Rowcliffe, David J., 4,857,116, Cl. 148-279.000.
  - Heller, Jorge; Penhale, Donald W. H.; and Ng, Steve Y., 4,855,132, Cl. 424-78.000.
- S&S Inficon, Inc.: *See—*
  - Chou, Tzeyang J.; Ma, Marshall; Flatau, Ralph; and Elderbroom, Fred, 4,868,651, Cl. 358-111.000.
- S. Smith & Son Pty Ltd.: *See—*
  - Whitford, Darryl R., 4,818,546, Cl. 426-231.000.
  - Whitford, Darryl R., 4,827,994, Cl. 144-2.00R.
  - Whitford, Darryl R., 4,856,421, Cl. 99-276.000.
  - Whitford, Darryl R., 4,860,779, Cl. 137-1.000.
- S.T.C., Inc.: *See—*
  - Kitchens, James L., 4,883,225, Cl. 236-34.500.
- S.T. Dupont: *See—*
  - Grossiord, Claude, 4,809,551, Cl. 73-327.000.
- S.T.N. Corporation: *See—*
  - Nogami, Masateru, 4,808,146, Cl. 474-101.000.
- S-Thomson Microelectronics S.p.A.: *See—*
  - Botti, Edoardo; Torazzina, Aldo; and Stefani, Fabrizio, 4,878,032, Cl. 330-263.000.
- S.U.I. Corporation: *See—*
  - Silberstein, Ilan, 4,874,066, Cl. 188-280.000.
- S.V.S. Laboratories, Inc.: *See—*
  - Skurkovich, Simon; and Skurkovich, Boris, 4,824,432, Cl. 604-4.000.
- SA Martin: *See—*
  - Cuzin, Marc, 4,808,054, Cl. 414-795.000.
- Sa Schappe: *See—*
  - Guevel, Jean; Francois, Marc; and Bontemps, Guy, 4,840,021, Cl. 57-210.000.
- Saab Instruments Aktiebolag: *See—*
  - Nilsson, Hans-Arne, 4,823,674, Cl. 89-41.220.
  - Nilsson, Hans-Arne, 4,876,942, Cl. 89-41.220.
- Saab, Mark A., to C. R. Bard, Inc. Dilatation catheter with collapsible outer diameter. 4,820,349, 4-11-89, Cl. 128-344.000.
- Saab-Scania AB: *See—*
  - Jiewertz, Sten, 4,862,093, Cl. 324-464.000.
- Saab-Scania Akt.: *See—*
  - Gillbrand, Per S.; Johansson, Sven H.; and Nytomt, Jan G., 4,848,287, Cl. 123-162.000.
- Saab-Scania Aktiebolag: *See—*
  - Adler, Horst F., 4,807,733, Cl. 192-53.00F.
  - Adler, Horst F., 4,821,591, Cl. 74-339.000.
  - Bergsten, Lars, 4,889,087, Cl. 123-90.310.
  - Johansson, Rolf, 4,887,191, Cl. 362-61.000.
  - Johansson, Sven H.; and Nytomt, Jan G., 4,886,036, Cl. 123-596.000.
  - Nilsson, Nils H., 4,817,766, Cl. 188-281.000.
  - Nordeborn, Krister; and Akesson, Knut-Olof, 4,870,296, Cl. 307-10.800.
- Saad-Cook, Janet. Combination decorative light image source and calendrical device. 4,832,453, 5-23-89, Cl. 350-321.000.
- Saad, Elie E., to Mobay Corporation. Fluorine-free mold powders. 4,880,463, 11-14-89, Cl. 75-257.000.
- Saad, William T.; and Medford, George F., to General Electric Company. Thermal shock resistant silicone coating composition. 4,800,127, 1-24-89, Cl. 428-447.000.
- Saam, John C., to Dow Corning Corporation. Moisture curable polyisobutylenes. 4,808,664, 2-28-89, Cl. 525-106.000.
- Saam, John C.: *See—*
  - Krahnke, Robert H.; and Saam, John C., 4,847,400, Cl. 556-412.000.
- Saar-Hartmetall und Werkzeuge GmbH: *See—*
  - Dittrich, Gerd, 4,800,536, Cl. 366-78.000.
- Saarbergwerke Aktiengesellschaft: *See—*
  - Jorzyk, Sigurd; Scholl, Gerhard; Holter, Heinz; Igelbuscher, Heinrich; Gresch, Heinrich; and Dewert, Heribert, 4,885,011, Cl. 55-242.000.
- Saarela, Olli; Helske, Vesa; and Haapanen, Erkki, to Valmet Oy. Piston and attaching apparatus for piston-and-cylinder arrangements. 4,807,522, 2-28-89, Cl. 92-161.000.
- Saari, Walfred S., to Merck & Co., Inc. Carbamates of 4-hydroxyanisole as prodrugs for chemotherapy of melanoma. 4,812,590, 3-14-89, Cl. 860-137.000.
- Saari, Walfred S., to Merck & Co., Inc. α-nitroalkylnitrobenzenesulfonamides. 4,880,821, 11-14-89, Cl. 514-331.000.
- Saari, Walfred S.: *See—*
  - Engelhardt, Edward L.; and Saari, Walfred S., 4,845,284, Cl. 564-87.000.
  - Engelhardt, Edward L.; and Saari, Walfred S., 4,847,294, Cl. 514-535.000.
  - Engelhardt, Edward L.; and Saari, Walfred S., 4,853,415, Cl. 514-603.000.
- Saarinen, Sulevi, to Tunturipyora Oy. Arrangement for an exercise device. 4,867,440, 9-19-89, Cl. 272-72.000.
- Saaski, Elric; Hannemann, Robert J.; and Fox, Leslie R., to Digital Equipment Corporation. Integral heat pipe module. 4,833,567, 5-23-89, Cl. 361-385.000.
- Saatchi, Hossein: *See—*
  - Okey, David W.; Church, John S.; Saatchi, Hossein; and Scanlon, John F., 4,837,251, Cl. 523-218.000.
- Saatkamp, Richard; and Borgmann, Dieter, to Windmoller & Holscher. Method of testing the function of load resistors connected in parallel. 4,849,701, 7-18-89, Cl. 324-549.000.
- Saatkamp, Richard: *See—*
  - Peters, Rudolf; and Saatkamp, Richard, 4,831,909, Cl. 83-425.400.
- Saatweber, Dietrich; Patzschke, Hans-Peter; Hendrikx, Georg; and Klein, Klausjorg, to Herberts Gesellschaft mit Beschrankter Haftung. Non-autocrosslinking binder combination for water-dilutable lacquers. 4,865,704, 9-12-89, Cl. 204-181.700.
- Saavedra, Jose V.; Hunter, Douglas L.; Sims, Steve A.; Maschmeyer, Donald M.; and Knobel, Thomas M., to Dow Chemical Company, The. Antistatic polyurethane shoe sole compositions. 4,861,805, 8-29-89, Cl. 521-105.000.
- Saba, Mounir G. Lighting and air freshener fixture. 4,829,411, 5-9-89, Cl. 362-294.000.
- Saba, T. Paul. Mailbox signal flag. 4,805,834, 2-21-89, Cl. 232-34.000.
- SABA Technologies, Inc.: *See—*
  - Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.
- Sabacky, M. Jerome: *See—*
  - Azain, Michael J.; Eigenberg, Kenneth E.; Kasser, Thomas R.; and Sabacky, M. Jerome, 4,863,736, Cl. 424-423.000.
- Sabatelli, Anthony D., to Procter & Gamble Company, The. Cosmetic sticks. 4,822,602, 4-18-89, Cl. 424-65.000.
- Sabatelli, David A.: *See—*
  - Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.
- Sabato, Moshe: *See—*
  - Ablov, Boris; and Sabato, Moshe, 4,868,916, Cl. 340-970.000.
- Sabatov, Nissim: *See—*
  - Ben-Gal, Ofer; and Sabatov, Nissim, 4,822,315, Cl. 446-102.000.
- Sabatucci, Joseph P.; Demerson, Christopher A.; and Failli, Amadeo A., to American Home Products Corporation. Substituted 1,3,4,9-tetrahydropyrano[3,4,-b]indole-1-acetic acids, pharmaceutical compositions containing them, and methods for treating inflammatory conditions and for analgesic purposes using them. 4,810,699, 3-7-89, Cl. 514-161.000.
- Sabatura, Gail J. Highly versatile comprehensive nutritional composition. 4,876,106, 10-24-89, Cl. 426-583.000.
- Sabbadin, Antonio D.: *See—*
  - Sweeny, Henry D.; and Sabbadin, Antonio D., 4,840,342, Cl. 248-475.100.
- Sabban, Joseph C.; Rodier, Jean-Claude; Roussel, Andre; and Simon, Jacques F., to Centre National de la Recherche Scientifique. Scanning catadioptric ophthalmoscope. 4,886,351, 12-12-89, Cl. 351-221.000.
- Sabbioni, Roberto; and Sormani, Massimo, to Rockwell-Rimoldi, S.p.A. Electronic device for autosetting control in industrial sewing machines. 4,867,082, 9-19-89, Cl. 112-121.110.
- Sabee, Reinhardt N. Method and apparatus for forming and transporting elastic ribbons. 4,813,946, 3-21-89, Cl. 604-385.200.
- Sabee, Reinhardt N., to Tuff Spun Products, Inc. Diaper with waist band elastic. 4,834 741, 5-30-89, Cl. 604-385.200.
- Sabel, Bernhard A., Freese, Andrew; and Saltzman, William M., to Massachusetts Institute of Technology. Controlled drug delivery system for treatment of neural disorders. 4,883,666, 11-28-89, Cl. 424-422.000.

- Sabel, Garry J.: *See—*
  - Eck, Leonard; Liegel, Reinald D.; Naber, Charles; and Sabel, Garry J., 4,886,242, Cl. 254-8.00B.
- Sabell, Gary M.: *See—*
  - Rhoton, William L.; and Sabell, Gary M., 4,860,485, Cl. 43-24.000.
- Sabelstrom, Jan: *See—*
  - Bolin, Goran; and Sabelstrom, Jan, 4,855,010, Cl. 156-497.000.
- Saber, Paik: *See—*
  - Chung, Paul W.; and Saber, Paik, 4,812,784, Cl. 331-113.00R.
- Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., to Micro Component Technology, Inc. Non-contact high resolution displacement measurement technique. 4,827,436, 5-2-89, Cl. 364-559.000.
- Sabet, Mahmoud H.: *See—*
  - Spalding, August V.; Sabet, Mahmoud H.; Hamburger, Ronald O.; and Luk, Martin H., 4,836,716, Cl. 405-224.000.
- Sabet-Peyman, Farhang, to Litton Systems, Inc. Angle of arrival processor using bulk acoustic waves. 4,801,941, 1-31-89, Cl. 342-378.000.
- Sabet-Peyman, Farhang; and Chang, I-Cheng, to Litton Systems, Inc. Broad band bulk acoustic wave spectrum analyzer/channelizer. 4,827,229, 5-2-89, Cl. 333-187.000.
- Sabetti, Anthony J.: *See—*
  - Bishop, Robert P.; Sabetti, Anthony J.; and Charboneau, Thomas, 4,875,135, Cl. 361-283.000.
- Sabia, Michael A. Scoliosis measuring apparatus. 4,846,194, 7-11-89, Cl. 128-781.000.
- Sabia, Raffaele A.: *See—*
  - Chapin, John T.; and Sabia, Raffaele A., 4,849,579, Cl. 174-74.00R.
  - Chapin, John T.; and Sabia, Raffaele A., 4,876,303, Cl. 524-296.000.
- Sabin, Cullen M., to Thermonetics Corporation. Techniques useful in determining liquid levels. 4,796,471, 1-10-89, Cl. 73-295.000.
- Sabin, Cullen M., to Geoscience, Ltd. Means and techniques useful in detecting ice on aircraft surfaces. 4,819,480, 4-11-89, Cl. 73-170.00R.
- Sabin, Cullen M.: *See—*
  - Poppendiek, Heinz F.; Sabin, Cullen M.; and Heymsfield, Steven B., 4,832,042, Cl. 128-730.000.
- Sabin, Robert, to Sabin, Robert. Method of treatment of Alzheimer's disease using phytic acid. 4,847,082, 7-11-89, Cl. 424-103.000.
- Sabir Locks, Inc.: *See—*
  - Day, Robert L., 4,869,087, Cl. 70-417.000.
- Sable, Chester A.; Maldarelli, Lawrence V.; Church, Henry; and Graboff, Roy, to Anthony Industries, Inc. Valve improvements. 4,844,414, 7-4-89, Cl. 251-319.000.
- Sable, Daniel M., to General Electric Company. Dual-mode controlled pulse width modulator. 4,884,183, 11-28-89, Cl. 363-41.000.
- Sable, Donald E. Well tool. 4,809,777, 3-7-89, Cl. 166-241.000.
- Sable, Lewis E.: *See—*
  - Benoit, Gordon L.; Sable, Lewis E.; and Wenzel, Richard A., 4,819,898, Cl. 248-97.000.
- Sablotsky, Steven; Questel, John M.; and Leeson, Dorothy J., to Noven Pharmaceuticals, Inc. Transdermal multipolymer drug delivery system. 4,814,168, 3-21-89, Cl. 424-78.000.
- Sabnani, Krishan K.: *See—*
  - Dahbura, Anton T.; Hery, William J.; and Sabnani, Krishan K., 4,807,228, Cl. 371-9.000.
- Sabnis, Jayant S.: *See—*
  - Clark, Eric H.; McDonald, Henry; Sabnis, Jayant S.; and Weinberg, Bernard C., 4,838,259, Cl. 128-201.210.
- Sabo, Robert C. Sealing system. 4,883,279, 11-28-89, Cl. 277-1.000.
- Sabo, Thomas E. Phasing indicator. 4,833,460, 5-23-89, Cl. 340-658.000.
- Sabol, George P.; Worcester, Samuel A.; and Foster, John P., to Westinghouse Electric Corp. Process for the control of liner impurities and light water reactor cladding. 4,814,136, 3-21-89, Cl. 376-416.000.
- Sabol, John S., Jr.; and Kester, Wayne A., to Dow Chemical Company, The. Laundry soil and stain remover in applicator stick form. 4,842,762, 6-27-89, Cl. 252-109.000.
- Sabol, Peter: *See—*
  - Kallman, M. Raymond; Micone, Lawrence J.; and Sabol, Peter, 4,829,289, Cl. 340-656.000.
- Sabongi, Gerbran J., to Minnesota Mining and Manufacturing Company. Laminate multimedia sampling device. 4,805,773, 2-21-89, Cl. 206-489.000.
- Sabot, Jean-Louis; and Fitoussi, Richard, to Rhone-Poulenc Chimie. Liquid/liquid extraction of gallium values. 4,844,808, 7-4-89, Cl. 210-634.000.
- Sabot, Jean-Louis: *See—*
  - Delloye, Thierry; and Sabot, Jean-Louis, 4,818,504, Cl. 423-157.000.
  - Rollat, Alain; and Sabot, Jean-Louis, 4,834,952, Cl. 423-157.000.
- Saboten Co., Ltd.: *See—*
  - Ishida, Kimikazu; and Ishida, Tsuneo, 4,836,335, Cl. 184-102.000.
- Saboureau, Christophe: *See—*
  - Moingeon, Marie-Odile; Chaussard, Jacques; Troupel, Michel; and Saboureau, Christophe, 4,824,532, Cl. 204-72.000.
- Sabourin, Hubert, to Hubert Sabourin Inc. Dust collector. 4,808,203, 2-28-89, Cl. 55-492.000.
- Sabre International Products Limited: *See—*
  - Chase, Anthony J.; and Payne, John E., 4,825,545, Cl. 30-153.000.
- Sabre Safety Limited: *See—*
  - Simpson, Keith, 4,886,056, Cl. 128-201.250.
- Sabrie, Jean-Louis: *See—*
  - Laumond, Yves; and Sabrie, Jean-Louis, 4,862,023, Cl. 310-54.000.
- Sabroff, Alvin M.; and Douglas, James R., to Eaton Corporation. Method for producing near net ring gear forgings. 4,856,167, 8-15-89, Cl. 29-159.200.
- Saburi, Toshiki; Ohya, Nobuyuki; Yamazaki, Toru; and Katoh, Taisei, to Nippondenso Co., Ltd. High frequency wave absorbing ceramics. 4,824,812, 4-25-89, Cl. 501-134.000.
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- Saburi, Toshiki: *See—*
  - Ohya, Nobuyuki; Saburi, Toshiki; Yamazaki, Toru; and Katoh, Taisei, 4,829,030, Cl. 501-134.000.
- Sacarisen, Stephen P.: *See—*
  - Blankenship, Gene E.; Gonsalves, Edward M., Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Damir A., 4,827,242, Cl. 340-450.000.
- Saccardi, Raymond J., to United States of America, National Security Agency. Reconfigurable pipelined processor. 4,858,113, 8-15-89, Cl. 364-200.000.
- Saccinni ved. Vigna, Luisa: *See—*
  - Vigna, Bernardino, deceased; Saccinni ved. Vigna, Luisa, heir; Vigna in Gregnanin, Stefania, heir; Vigna in Chiesa, Daniela, heir; and Buzzetti, Michelle, 4,834,671, Cl. 439-416.000.
- Saccinni ved. Vigna, Luisa, heir: *See—*
  - Vigna, Bernardino, deceased; Saccinni ved. Vigna, Luisa, heir; Vigna in Gregnanin, Stefania, heir; Vigna in Chiesa, Daniela, heir; and Buzzetti, Michelle, 4,834,671, Cl. 439-416.000.
- Sacco, Angelo. Device for maneuvering of trailers. 4,860,841, 8-29-89, Cl. 180-13.000.
- Sacco, Anthony R.: *See—*
  - Hardee, Kenneth L.; and Sacco, Anthony R., 4,798,715, Cl. 423-478.000.
- Sacco, Bruno; Gallitzendorfer, Josef; Klein, Michael V.; Janz, Gerhard; and Ernst, Alfred, to Daimler-Benz Aktiengesellschaft. Seat shell for a motor vehicle seat. 4,805,962, 2-21-89, Cl. 297-454.000.
- Sacco, Edward. Good luck charm. 4,828,889, 5-9-89, Cl. 428-3.000.
- Sacco, Frank J., to Pony Industries, Inc. Process and apparatus for introducing aqueous chlorine dioxide into high pressure water injection wells. 4,823,826, 4-25-89, Cl. 137-1.000.
- Saccoccio, August J. Method of forming a nut-like member. 4,836,007, 6-6-89, Cl. 72-379.000.
- Saccocio, Edward J.: *See—*
  - Feldman, Lyudmila; and Saccocio, Edward J., 4,824,755, Cl. 430-138.000.
  - Kiser, T. Kay; Nelson, Erik K.; and Saccocio, Edward J., 4,811,089, Cl. 358-75.000.
  - Metz, George D.; McCrary, Carl; O'Connor, Joseph G.; Adair, Paul C.; Proehl, D. Scott; Saccocio, Edward J.; and Dowler, James, 4,859,561, Cl. 430-138.000.
- Saccomanno, Geno; and Cary, Paul O. Microscope slide marking device. 4,807,979, 2-28-89, Cl. 350-520.000.
- Saccomano, Nicholas A.; and Vinick, Frederic J., to Pfizer Inc. Antidepressant N-substituted nicotinamide compounds. 4,861,891, 8-29-89, Cl. 546-194.000.
- SACE S.p.A. Costruzioni Elettromeccaniche: *See—*
  - Mostosi, Angelo, 4,866,403, Cl. 335-201.000.
- Sach, George S., to Smith Kline & French Laboratories Limited. 3,5-substituted-2-pyridyl-alkylaminocyclobutenediones having histamine h_1-antagonist activity. 4,863,936, 9-5-89, Cl. 514-332.000.
- Sachau, Gunther: *See—*
  - Pietsch, Hanns, Kartheus, Holger; Holtzmann, Hans-Joachim; Sachau, Gunther; and Reul, Helmut, 4,831,065, Cl. 523-112.000.
- Sachdev, Harbans S.: *See—*
  - Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., 4,826,564, Cl. 156-643.000.
- Sachdev, Krishna G.: *See—*
  - Cohen, Mitchell S.; Sachdev, Krishna G.; Shen, John C. S.; and Pennington, Keith S., 4,830,909, Cl. 428-331.000.
  - Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., 4,826,564, Cl. 156-643.000.
- Sachdeva, Abnash C.: *See—*
  - Verret, Douglas P.; Smayling, Michael C.; Sachdeva, Abnash C.; and Keller, Stephen A., 4,797,372, Cl. 437-034.000.
- Sachenik, Paul A.: *See—*
  - Borrelli, Nicholas F.; and Sachenik, Paul A., 4,854,957, Cl. 65-30.110.
  - DeMeritt, Jeffery A.; Patykula, Thomas E.; and Sachenik, Paul A., 4,797,144, Cl. 65-102.000.
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  - Kersey, Alan D., 4,874,244, Cl. 356-350.000.
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  - Desenclos, Christian; and Regis, Sinoquet, 4,885,951, Cl. 74-502.200.
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  - Blume, Ernst; Schaper, Wolfgang; Ehrhardt, Heinz; Raether, Wolfgang; Dittmar, Walter; Hanel, Heinz; and Sachse, Burkhard, 4,870,088, Cl. 514-340.000.
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  - Machler, Meinrad; Bittner, Reinhold; Sachse, Richard; and Schlemmer, Harry, 4,838,645, Cl. 350-162.230.
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  - Harz, Gerhard; and Reichl, Erwin, 4,806,715, Cl. 200-400.000.
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  - Anthonsen, Reiner; Kertesz, Ferenc; and Sack, Wieland, 4,844,777, Cl. 162-135.000.
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  - Johnson, Arthur F.; and Sackett, Robert L., 4,874,585, Cl. 422-171.000.
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  - Russell, Alexander; Cooper, Leslie A.; and Drudy, David P., 4,855,675, Cl. 324-208.000.
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  - Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.
- Sada, Jun: *See—*
  - Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.
- Sada, Tomoya: *See—*
  - Nakayama, Yasuyuki; and Sada, Tomoya, 4,807,966, Cl. 350-255.000.
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- Sadai, Masanao: *See—*
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- Sadakane, Hirofumi: *See—*
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  - Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, 4,885,273, Cl. 505-1.000.
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  - Tanihara, Mamoru; Okuda, Yoshiro; and Sadamura, Hideaki, 4,865,834, Cl. 423-634.000.
- Sadanobu, Jiro: *See—*
  - Sawaki, Toru; Sasaki, Hideharu; Nakamura, Tsutomu; and Sadanobu, Jiro, 4,840,762, Cl. 264-29.200.
- Sadatoshi, Hajime: *See—*
  - Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Koga, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.
- Sadd, John S.: *See—*
  - Bolt, Anthony J. N.; and Sadd, John S., 4,881,555, Cl. 131-335.000.
- Saddle Vent Inc.: *See—*
  - Gordon, Russell B.; Gordon, Jimmy A.; and Smith, Marion W., 4,794,956, Cl. 138-39.000.
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  Meier, Otto; Sadek, Kurt; Sikoronja, Zvonko; and Schroder, Johann, 4,799,364, Cl. 62-342.000.
Sadhir, Rajender K.; and Saunders, Howard E., to Westinghouse Electric Corp. Compositions containing a mixture of a polyhydric alcohol and charge transfer complex of irradiated anhydrides and cyclic ethers, used to cure epoxy resins. 4,845,166, 7-4-89, Cl. 528-109.000.
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Sadjian, Harry. Optical recording device enploying doped crystal for optically storing information. 4,811,289, 3-7-89, Cl. 365-119.000.
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  Linde, Gilbert W.; and Sadler, Loren G., 4,819,880, Cl. 239-662.000.
Sadler, Peter J.; Harding, Charles T.; Kelly, James D.; and McEwen, Andrew B., to Amersham International PLC. Contrast agent for NMR scanning. 4,880,007, 11-14-89, Cl. 128-653.000.
Sadler, Robert A.: *See—*
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Sadler, Stanley R., Jr.; and Cisar, James M. Event reminder device. 4,830,407, 5-16-89, Cl. 283-102.000.
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  Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, 4,880,876, Cl. 525-67.000.
Sado, Ichiro, to Canon Kabushiki Kaisha. Key input means with changeable display means for displaying key functions. 4,803,463, 2-7-89, Cl. 341-23.000.
Sado, Shintaro: *See—*
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Sadofsky, Frank: *See—*
  Everett, James W.; and Sadofsky, Frank, 4,823,846, Cl. 138-89.000.
  Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
Sadow, Bernard D., to United States Luggage Company. Expandable carrying case. 4,846,319, 7-11-89, Cl. 190-105.000.
Sadoway, Donald R.; and Singh, Rana P., to Massachusetts Institute of Technology. Method of forming a metal coating on a substrate. 4,882,199, 11-21-89, Cl. 427-53.100.
Sadowski, Dennis L.; and Saha, Narayan C., to Institute of Gas Technology. Reelable flow stopper for plugging fluid flow within a pipe. 4,830,041, 5-16-89, Cl. 137-246.000.
Sadowski, Fritz: *See—*
  Becker, Heinz D.; Bederke, Klaus; Dahm, Ralf; Kerber, Hermann; Sadowski, Fritz; and Stephan, Werner, 4,855,342, Cl. 524-31.000.
Sadowski, Henry W.: *See—*
  Balopole, Harvey L.; Martinolich, James J.; Roberts, Arthur; and Sadowski, Henry W., 4,839,726, Cl. 358-166.000.
Sadr, Changize, to ABC Group. Method for aligning extruded parison into sepentine-shaped mold cavity. 4,865,799, 9-12-89, Cl. 264-526.000.
Sadri, Frederick F. Tracing paper with light tack adhesive coating. 4,863,537, 9-5-89, Cl. 156-62.000.
Sadri, Shahriar M.; and Hicks, Marvin R., to Huck Manufacturing Company. Fastening system and fastener for shipping containers and the like. 4,846,611, 7-11-89, Cl. 411-43.000.
Sadun, Alfredo A.; and Wall, Michael, to University of Southern California. System and method of detecting visual field defects. 4,818,091, 4-4-89, Cl. 351-49.000.
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Saeed, Abdul R., to Robert Bosch GmbH. Power-assisted steering gear 4,804,057, 2-14-89, Cl. 180-142.000.
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  Johanson, Niles W.; Saeger, James C.; and White, Mark L., 4,883,115, Cl. 165-1.000.
Saegertown Manufacturing Corporation: *See—*
  Jordan, Chalmer; Connor, Lee; Lybarger, Robert; and Gutshall, Charles, 4,824,297, Cl. 408-217.000.
Saegusa, Kunio, to Sumitomo Chemical Company, Limited. Method for producing a flaky material. 4,882,133, 11-21-89, Cl. 423-335.000.
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  Kadokura, Hidekimi; and Saegusa, Kunio, 4,882,143, Cl. 424-59.000.
  Saita, Kenji; and Saegusa, Kunio, 4,842,848, Cl. 424-63.000.
Saegusa, Noboru, to NEC Corporation. Clock recovering device 4,841,167, 6-20-89, Cl. 307-269.000.
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Saegusa, Noboru: *See—*
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Saegusa, Shigeru, to Usui Kokusai Sangyo Kabushiki Kaisha. Apparatus for bending metal tube of small diameter. 4,805,436, 2-21-89, Cl. 72-306.000.
Saeki, Chikara; and Nishibe, Minoru, to Kabushiki Kaisha Kobe Seiko Sho. Inner grooving process for a metallic tube. 4,876,869, 10-31-89, Cl. 72-68.000.
Saeki, Hideo; and Uematsu, Shigeyuki, to Mitsubishi Denki Kabushiki Kaisha. Method of making a color separation filter including monomolecular film layers of coupled dyestuff. 4,824,748, 4-25-89, Cl. 430-7.000.
Saeki, Hideo: *See—*
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Saeki, Hiroshi; and Maruyama, Teruo, to Matsushita Electric Industrial Co., Ltd. Solid lubricant bearing. 4,797,011, 1-10-89, Cl. 384-13.000.
Saeki, Hiroshi: *See—*
  Kobayakawa, Masaki; Takasaki, Yo; and Saeki, Hiroshi, 4,816,716, Cl. 313-496.000.
Saeki, Kazunori: *See—*
  Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama Mitsuji, 4,851,263, Cl. 427-240.000.
Saeki, Kazuo: *See—*
  Itoh, Takuji; Saeki, Kazuo; and Kono, Koichi, 4,849,311, Cl. 429-192.000.
Saeki, Keiji: *See—*
  Inoue, Takao; Saeki, Keiji; Matsuda, Chuichi; and Murakami, Schuichi, 4,824,010, Cl. 228-180.200.
Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, to Fuji Photo Film Co., Ltd. Recording material. 4,800,193, 1-24-89, Cl. 503-217.000.
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Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Recording material 4,876,233, 10-24-89, Cl. 503-209.000.
Saeki, Keiso: *See—*
  Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,870,048, Cl. 503-211.000.
  Ohga, Kunihiko; and Saeki, Keiso, 4,822,768, Cl. 503-214.000.
  Ohga, Kunihiko; and Saeki, Keiso, 4,888,334, Cl. 503-214.000.
  Sano, Shojiro; and Saeki, Keiso, 4,820,684, Cl. 503-212.000.
  Sano, Shojiro; and Saeki, Keiso, 4,840,927, Cl. 503-201.000.
  Sano, Shojiro; and Saeki, Keiso, 4,849,397, Cl. 503-217.000.
Saeki, Kenzi: *See—*
  Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.
Saeki, Makoto: *See—*
  Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitomi, Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, 4,876,669, Cl. 365-189.010.
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Saeki, Naomi: *See—*
  Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,204, Cl. 430-512.000.
Saeki, Noboru: *See—*
  Iino, Syuji; Hotomi, Hideo; Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, 4,797,338, Cl. 430-58.000.
Saeki, Nobuo: *See—*
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Saeki, Shiro; and Ikeda, Sunao, to Ricoh Company, Ltd. Automatic original circulating and feeding apparatus. 4,860,057, 8-22-89, Cl. 355-23.000.
Saeki, Shiro, to Ricoh Company, Ltd. Automatic document feeder. 4,864,366, 9-5-89, Cl. 355-235.000.
Saeki, Tadashi; Ikawa, Kiyoshi; Kurita, Seiji; and Ueno, Katsuji, to Sumitomo Naugatuck Co., Ltd. Thermoplastic resin composition comprising polyamide, aromatic vinyl/unsaturated nitrile/rubbery polymer graft copolymer and aromatic vinyl/unsaturated nitrile/α-unsaturated carboxylic acid copolymer. 4,824,905, 4-25-89, Cl. 525-66.000.
Saeki, Tomoki, to RCA Licensing Corporation. Hanging dot reduction arrangement. 4,809,060, 2-28-89, Cl. 358-31.000.
Saeki, Toshinori; Mizutani, Tadashi; and Tsujimoto, Susumu, to Ajinomoto Co., Inc. Process for producing a taste-enriching seasoning from beer yeast. 4,806,376, 2-21-89, Cl. 426-537.000.
Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, to Eisai Co., Ltd. Composition containing ubidecarenone with absorption promoted. 4,827,062, 5-2-89, Cl. 514-690.000.
Saeki, Yukio; Nishimura, Toshiaki; and Ikeda, Kozuichi, to Sumitomo Durez Company, Ltd. Method of producing a quick-curing novolac phenolic resin using ammonium halides. 4,870,154, 9-26-89, Cl. 528-145.000.
Saeks, Ford. Apparatus for storing athletic equipment or the like. 4,813,550, 3-21-89, Cl. 211-17.000.
Saelens, William R.; and Osborne, Gary L. Insulated bottle rack apparatus for bicycles. 4,883,205, 11-28-89, Cl. 224-32.00R.
Saeli, John: *See—*
  Rabinowitz, Dan; and Saeli, John, 4,856,514, Cl. 128-303.140.
Saell, Goesta; and Hirschberg, Jakub, to Siemens Aktiengesellschaft. Connector arrangement for a lead for an implantable stimulation device. 4,840,580, 6-20-89, Cl. 439-431.000.
Saeman, Walter C., to Olin Corporation. Continuous process for producing granular calcium hypochlorite particles. 4,842,841, 6-27-89, Cl. 423-474.000.
Saen, Haruo; and Kobayashi, Kougi, to Sumitomo Electric Industries Ltd. Spot-welding nickel-plated metal terminal. 4,870,227, 9-26-89, Cl. 174-117.0FF.
Saen, Haruo; and Kobayashi, Kougi, to Sumitomo Electric Industries, Ltd. Method of spot-welding flat-type electrical wires to metal terminals. 4,873,411, 10-10-89, Cl. 219-93.000.
Saeng, Kim Y.: *See—*
  Wook, Jang Y.; Saeng, Kim Y.; and Myung, C. Shin, 4,843,470, Cl. 358-153.000.
Saenguraiporn, Chamna: *See—*
  Schroeder, George L.; Couch, Francis O.; and Saenguraiporn, Chamna, 4,881,221, Cl. 370-32.100.
Saenz, Eliseo: *See—*
  McPherson, Larry D.; and Saenz, Eliseo, 4,831,211, Cl. 174-35.00R.
Saenz, Richard M.: *See—*
  Tennant, Harry R.; Ross, Kenneth M.; and Saenz, Richard M., 4,829,423, Cl. 364-200.000.
SAES Getters S.p.A.: *See—*
  Bratz, V. David, 4,874,339, Cl. 445-28.000.
SAES Getters SpA: *See—*
  Succi, Marco, 4,889,814, Cl. 436-133.000.
Saez, Pierre: *See—*
  Marazzi, Giancarlo; and Saez, Pierre, 4,866,539, Cl. 358-303.000.
Saf-T-Green Manufacturing Corporation: *See—*
  Werner, Richard H., 4,830,144, Cl. 182-178.000.
Safabakhsh, Ali R.; and Amorosi, Vincent G., to Kulicke and Soffa Industries Inc. Pre-peel die ejector apparatus. 4,850,780, 7-25-89, Cl. 414-417.000.
Safadago, Gary J. IV tube anchor and shield. 4,846,807, 7-11-89, Cl. 604-179.000.
Safar, Vaclav; and Ursiny, Petr, to Elitex. Fibre loosening device for a spinning unit of spinning machine. 4,866,926, 9-19-89, Cl. 57-408.000.
Safarik, C. Robert. Jet impingement heat exchanger and carpet dye beck employing said heat exchanger. 4,850,070, 7-25-89, Cl. 8-158.000.
Safe-Air of Illinois, Inc.: *See—*
  Barchechat, Shlomo, 4,805,261, Cl. 16-48.500.
Safe Aire, Inc.: *See—*
  Jarnagin, Jerry D.; and Dawson, Dennis W., 4,798,034, Cl. 52-169.500.
Safe Flight Instrument Corporation: *See—*
  Greene, Leonard M., 4,851,738, Cl. 340-968.000.
Safe/Stress, Inc.: *See—*
  Edwards, Marysue; and Duorinsky, Max M., 4,861,021, Cl. 272-69.000.
Safe-T-Quake Corporation: *See—*
  Lloyd, Hershall E.; and Lloyd, Monte E., 4,889,150, Cl. 137-39.000.
Safe-Test, Inc.: *See—*
  Alexander, William B.; and Frenger, Paul, 4,873,654, Cl. 364-551.010.
Safeco Manufacturing Limited: *See—*
  Giorgio, Hugo; and Martindale, Robert G., 4,829,599, Cl. 2-5.000.
Safeguard Industrial Corporation: *See—*
  Sebastian, Peter R.; Stump, John L.; and Sebastian, Thomas V., 4,836,194, Cl. 128-78.000.
Safer, Inc.: *See—*
  Gaudet, Michelle D.; and Puritch, George S., 4,826,678, Cl. 424-93.000.
  Puritch, George S.; and Kondo, Edward S., 4,859,689, Cl. 514-358.000.
  Puritch, George S.; and Condrashoff, Sergi F., 4,861,762, Cl. 514-122.000.
  Puritch, George S.; and Gorman, Michelle D., 4,870,102, Cl. 514-493.000.
Saferstein, Albert; Spector, Gilbert; and Tsuyuki, Larry. Flexible lice comb. 4,819,670, 4-11-89, Cl. 132-156.000.
Safetray, Inc.: *See—*
  Iaslovits, Michael, 4,860,895, Cl. 206-426.000.
Safety Cross Mirror Co., Inc.: *See—*
  Stout, Thomas R., 4,822,157, Cl. 350-629.000.
Safety First Limited: *See—*
  Swift, Thomas R.; and Desty, Dennis H., 4,861,489, Cl. 210-668.000.
Safety-Kleen Corp.: *See—*
  Larson, Douglas A.; and Justice, John C., 4,823,820, Cl. 134-109.000.
Safety Research and Manufacturing, Inc.: *See—*
  Amabile, Gerald; and Rogers, Ronald, 4,796,913, Cl. 280-751.000.
Safety Surfaces, Inc.: *See—*
  Vaux, Thomas M., 4,846,457, Cl. 272-3.000.
Safeway (Australasia) Limited: *See—*
  Rainey, Jon, 4,814,583, Cl. 219-494.000.
Saffee, Gregory T.: *See—*
  Avis, Graham M.; Fletcher, Thomas E.; and Saffee, Gregory T., 4,811,420, Cl. 455-51.000.
Saffel, Robert W.: *See—*
  Cabe, Alex W., Jr.; Saffel, Robert W.; and Sampson, Arthur J., 4,859,519, Cl. 428-131.000.
Saffer, Edmund, to Siemens Aktiengesellschaft. Biopsy means for an x-ray examination apparatus. 4,890,311, 12-26-89, Cl. 378-99.000.
Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., to Mattel, Inc. Electronic interactive game apparatus in which an electronic station responds to play of a human. 4,844,475, 7-4-89, Cl. 273-311.000.
Safford, George J.: *See—*
  Woolatt, Derek; and Safford, George J., 4,889,156, Cl. 137-516.130.
Saffran, Wilma A.; Edelson, Richard L.; Gasparro, Francis P.; Welsh, John T.; and Cantor, Charles R., to Columbia University in the City of New York, The Trustees of. Biotinylated psoralens. 4,868,311, 9-19-89, Cl. 548-303.000.
Safi, Toufic: *See—*
  Drage, Davod J.; and Safi, Toufic, 4,857,138, Cl. 156-643.000.
Safinya, Kambiz A.; and McBride, Roger W., to Schlumberger Technology Corp. System and method for communicating signals in a cased borehole having tubing. 4,839,644, 6-13-89, Cl. 340-854.000.
Safinya, Kambiz A.: *See—*
  Banavar, Jayanth R.; Johnson, David L.; Nagel, Sidney R.; and Safinya, Kambiz A., 4,855,912, Cl. 364-422.000.
Safir, Aran. Visual vertex finder. 4,799,784, 1-24-89, Cl. 351-212.000.
Safonov, Anatoly V.: *See—*
  Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.
Safranek, Edward J., to F & B Mfg. Co. High-efficiency charging and regulating system. 4,852,540, 8-1-89, Cl. 123-599.000.
Safranek, Edward J., to F & B Mfg. Co. High efficiency electrical alternator system. 4,873,962, 10-17-89, Cl. 123-599.000.
Safranek, Edward J., to F & B Mfg. Co. Stator assembly having coil bobbins with retaining clips. 4,874,977, 10-17-89, Cl. 310-269.000.
Safrany, Jean S.: *See—*
  Lefebvre, Jacques; Gimenez, Philippe; Colombier, Gabriel; Golay, Armand; and Safrany, Jean S., 4,808,276, Cl. 204-28.000.
Saft, S.A.: *See—*
  Brezillon, Jean L., 4,806,441, Cl. 429-241.000.
  Descroix, Jean-Pierre; and Leben, Yannick, 4,820,598, Cl. 429-62.000.
  Freluche, Jean-Pierre, 4,802,275, Cl. 29-623.400.
  Gerard, Claude, 4,883,725, Cl. 429-99.000.
  Liska, Jean-Louis, 4,883,727, Cl. 429-145.000.
  Planchat, Jean-Pierre; Descroix, Jean-Pierre; and Jehanno, Philippe, 4,830,936, Cl. 429-110.000.
Saftell Pty. Limited: *See—*
  Cardinal, Michael J., 4,831,939, Cl. 109-17.000.
Saga, Halvor. Safety-device for stoves. 4,836,181, 6-6-89, Cl. 126-42.000.
Saga Sanyo Industry Co., Ltd.: *See—*
  Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.
Sagae, Kyuta; Takemura, Naoto; Sugiyama, Yoshiaki; and Tanabe, Susumu, to Terumo Kabushiki Kaisha. Catheter for repair of blood vessel. 4,832,688, 5-23-89, Cl. 604-53.000.
Sagae, Takashi; and Kato, Takayuki, to Aichi Steel Works Ltd. Water-soluble oil property detection device. 4,857,829, 8-15-89, Cl. 324-61.00R.
Sagai, Hitoshi; Takahara, Masayasu; Katsuragi, Shigeo; Kajiwara, Junboku; and Masujima, Harumi, to Toyo Jozo Co., Ltd. Polypeptides and preparation process thereof. 4,818,698, 4-4-89, Cl. 435-189.000.
Sagami Chemical Research Center: *See—*
  Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Naganori, 4,849,345, Cl. 435-106.000.

Fuchikami, Takamasa; Urata, Hisao; Ishii, Yoshimitsu; and Obata, Yoshiko, 4,855,487, Cl. 560-227.000.
Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.
Hiyama, Tamejiro; and Fujita, Makoto, 4,864,052, Cl. 558-407.000.
Kondo, Kiyoshi; Matsui, Kiyohide; Negishi, Akira; and Takahatake, Yuriko, 4,833,266, Cl. 560-124.000.
Matsumoto, Masakatsu; Fujimoto, Tamotsu; and Ejiri, Emiko, 4,861,917, Cl. 568-347.000.
Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
Umemoto, Teruo; and Gotoh, Yoshihiko, 4,873,027, Cl. 562-83.000.

Sagami Tsushin Kogyo Kabushiki Kaisha: *See—*
Nanzai, Takashi, 4,801,876, Cl. 324-158.00F.

Sagane, Masahiko: *See—*
Misawa, Masayuki; Ogasawara, Toshio; Sagane, Masahiko; Hirata, Yasuyuki; and Kume, Masafumi, 4,840,715, Cl. 204-181.100.

Sagane, Toshihiro; and Lenz, Robert W. Liquid crystalline polymer. 4,812,548, 3-14-89, Cl. 526-313.000.

Sagane, Toshihiro, to Mitsui Petrochemical Industries, Ltd. Adhesive for chlorine-containing polymers and aromatic group-containing polymers. 4,880,873, 11-14-89, Cl. 525-61.000.

Sagane, Toshihiro: *See—*
Ueda, Takashi; and Sagane, Toshihiro, 4,810,612, Cl. 430-109.000.

Saganovsky, Abraham, to K. B. Electronics Inc. Current limiting control circuit for d.c. motors. 4,839,570, 6-13-89, Cl. 388-815.000.

Sagara, Hisao: *See—*
Kosugi, Seiji; Ando, Norio; and Sagara, Hisao, 4,796,924, Cl. 285-39.000

Sagara, Kazuhiko; Nakamura, Tohru; Nakazato, Kazuo; Kure, Tokuo; Ikeda, Kiyoji; and Homma, Noriyuki, to Hitachi, Ltd. Semiconductor device. 4,829,361, 5-9-89, Cl. 357-50.000.

Sagara, Kazuhiko: *See—*
Homma, Noriyuki; Nakamura, Tohru; Nakazato, Kazuo; Matsumoto, Motoaki; Hayashida, Tetsuya; Kubo, Masaharu; and Sagara, Kazuhiko, 4,858,184, Cl. 365-174.000.
Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.

Sagara, Keiki: *See—*
Hirosawa, Takumi; Hirayama, Yuzo; Sagara, Keiki; Isomichi, Mituhiro; and Kumabe, Junichi, 4,826,898, Cl. 524-88.000.

Sagara, Masaaki: *See—*
Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,888,936, Cl. 53-510.000.
Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,840,014, Cl. 53-432.000.

Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, to Canon Kabushiki Kaisha. Sheet feeding device. 4,799,662, 1-24-89, Cl. 271-114.000.

Sagara, Seiji: *See—*
Miyake, Hiroyuki; Kashiwabara, Akihiro; Sagara, Seiji; Nakamura, Shinichi; and Ohbuchi, Toru, 4,870,448, Cl. 355-235.000.
Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.

Sagara, Toshiharu: *See—*
Minamoto, Masaya; Kojima, Mitsuru; Sagara, Toshiharu; and Takeda, Yorio, 4,808,443, Cl. 427-407.100.

Sagara, Yasunori: *See—*
Tsukiyama, Tokuhiro; Sagara, Yasunori; and Miyazawa, Kazumi, 4,866,440, Cl. 341-95.000.

Sagaser, Thomas M., to Clark Equipment Company. Electronic bucket positioning and control system. 4,844,685, 7-4-89, Cl. 414-700.000.

Sagata, Munehiro: *See—*
Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.

Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, to Omron Tateisi Electronics Co. Mounting structure for surface mounted type component with projection extending down from lower surface thereof and method of mounting a surface mounted type component on a printed circuit board. 4,814,944, 3-21-89, Cl. 361-403.000.

Sagawa, Hiroyuki: *See—*
Agatahama, Shunichi; Koga, Hirofumi; Sato, Ryuichi; Sagawa, Hiroyuki; and Matsuoka, Kazushige, 4,831,348, Cl. 335-80.000.

Sagawa, Junichi: *See—*
Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, 4,876,158, Cl. 428-565.000.

Sagawa, Kazuyoshi: *See—*
Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Oku, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, 4,795,120, Cl. 248-289.100.

Sagawa, Masato: *See—*
Fujimura, Setsuo; Sagawa, Masato; and Matsuura, Yutaka, 4,840,684, Cl. 148-302.000.
Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, 4,859,255, Cl. 148-302.000.
Yamamoto, Hitoshi; Sagawa, Masato; Fujimura, Setsuo; and Matsuura, Yutaka, 4,826,546, Cl. 148-102.000.

Sagawa, Norifumi: *See—*
Murai, Takeshi; and Sagawa, Norifumi, 4,804,035, Cl. 164-125.000.

Sagawa, Shizuo. Pin for sweepers. 4,876,761, 10-31-89, Cl. 15-104.061.

Sagawa, Takayoshi: *See—*
Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,815,481, Cl. 131-94.000.
Hirose, Ichiro; Sagawa, Takayoshi; Tani, Shichisei; and Kato, Katsuo, 4,883,078, Cl. 131-280.000.

Sagawa, Toshimasa: *See—*
Sonoi, Takehiro; Sagawa, Toshimasa; Yamada, Okimasa; and Mizuno, Tetsuya, 4,885,398, Cl. 568-404.000.
Yamada, Okimasa; Mizuno, Tetsuya; Sonoi, Takehiro; and Sagawa, Toshimasa, 4,833,212, Cl. 525-359.200.

Sagawa, Yasuhiro: *See—*
Idenawa, Hiroyuki; Mochimaru, Hideaki, Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamak Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.

Sagawa, Yuzo: *See—*
Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.
Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; and Takehara, Kimio, 4,886,370, Cl. 374-5.000.

Sage, Ian C.; Chambers, Michael K.; Hittich, Reinhard; and Weber Georg, to Merck Patent Gesellschaft mit beschrankter Haftung; Liquid crystal phase. 4,886,621, 12-12-89, Cl. 252-299.610.

Sage, Ian C.: *See—*
Coates, David; Davey, Anthony B.; Bishop, David I.; Pearson Andrew D.; and Sage, Ian C., 4,834,906, Cl. 252-299.630.

Sage, Jeffrey D.; and Sage, Jerry D. Wrap & lock ski holding assembly 4,833,901, 5-30-89, Cl. 70-58.000.

Sage, Jerry D.: *See—*
Sage, Jeffrey D.; and Sage, Jerry D., 4,833,901, Cl. 70-58.000

Sage Products, Inc.: *See—*
Hanifl, Paul H.; and Newton, John J., Jr., 4,804,377, C 604-352.000.
Hanifl, Paul H., 4,834,715, Cl. 604-192.000.
Hanifl, Paul H.; Newton, John J., Jr.; and Mosior, Donald J. 4,863,057, Cl. 220-23.830.
Harreld, Donald R.; Ponsi, Lawrence G.; and Newton, John J., Jr. 4,829,602, Cl. 2-51.000.

Sagenmuller, Alfons: *See—*
Knauf, Werner; Waltersdorfer, Anna; Sagenmuller, Alfons; Ster Hubert; and Lourens, Jan, 4,857,510, Cl. 514-30.000.

Sager, David J.; Hesch, Leon D.; Ingraham, Andrew D.; and Samaras William A., to Digital Equipment Corporation. Method and apparatus for stabilized data transmission. 4,811,364, 3-7-89, Cl. 375-106.000

Sager, David J.; Ramanujan, Raj K.; and Bell, Jeffrey L., to Digital Equipment Corporation. Lockout registers. 4,825,412, 4-25-89, C 365-49.000.

Sager, David J.; Valiton, Anne S.; Stickney, Jay C.; and Ramanujan Raj K., to Digital Equipment Corporation. Method and apparatus for high speed data transmission between two systems operating under the same clock with unknown and non constant skew in the clock between the two systems. 4,881,165, 11-14-89, Cl. 364-200.000.

Sager, James W.: *See—*
Mancini, Alfred A.; Sager, James W.; and Koblish, Theodore R. 4,798,330, Cl. 239-8.000.

Sager, Peter, to VDO Adolf Schindling AG. Method and circuit for preventing oscillations of an automotive vehicle. 4,852,008, 7-25-89 Cl. 364-426.010.

Sager, Ronald E.: *See—*
Simmonds, Michael B.; and Sager, Ronald E., 4,848,093, C 62-49.100.

Sager, Scott J.: *See—*
Reed, Herbert M.; and Sager, Scott J., 4,847,979, Cl. 29-568.000

Saggers, Barry: *See—*
Bickerstaff, Alan E.; Collier, Barry J.; Hale, Joseph F.; Hitchmough, Peter M. Pitts, Ian; Rasul, Ghulam; Saggers, Barry Smyth, Kevin J.; Stevenson, Duncan; and Stewart, Mark A. 4,870,446, Cl. 355-282.000.

Saggers, Michael J. Vibratory diaphragm pumps. 4,877,378, 10-31-89 Cl. 417-299.000.

Saghatchi, Hamid; and Taylor, Geoffrey L., to Welch Allyn, Inc. Slotted thrusters for fluid propelled borescopes. 4,883,355, 11-28-89 Cl. 356-241.000.

Saghatchi, Hamid: *See—*
Taylor, Geoffrey L.; and Saghatchi, Hamid, 4,846,573, C 356-241.000.

Saghy, Katalin: *See—*
Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny Laszlo , 4,879,404, Cl. 560-051.000.

Sagi, Ferenc: *See—*
Blind, Andre; Collas, Gerard; Robin, Jean; and Sagi, Ferenc 4,871,828, Cl. 528-44.000.

Sagi, Janos: *See—*
Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.

Sagi, Nehemia, to Automatic Tool Control and Management Systems, Inc. Automatic tool changer for workpiece processing machines. 4,883,939, 11-28-89, Cl. 219-125.100.

Sagi, Nobuo; Izumi, Tsugio; Kida, Haruyasu; and Maeda, Hirokazu, to Fuji Oil Company, Limited. Hard butter composition containing triglycerides, and process for production thereof. 4,839,192, 6-13-89, Cl. 426-607.000.

Sagi, Nobuo: *See—*
Koyano, Tetsuo; Sagi, Nobuo; Izumi, Tsugio; Fujita, Setsuya; Murata, Tadahiko; Hachiya, Iwao; and Mori, Hiroyuki, 4,877,636, Cl. 426-607.000.

Saginaw Valley State University: *See—*
Chen, Hsuan S., 4,850,662, Cl. 350-3.720.

Sagisaka, Yasuo; and Sano, Ryuichi, to Nippondenso Co., Ltd. Fuel pump control apparatus. 4,800,859, 1-31-89, Cl. 123-497.000.

Sagiv, Oded, to Xerox Corporation. Liquid ink development system. 4,883,018, 11-28-89, Cl. 118-660.000.

Saglio, Robert: *See—*
Druelle, Philippe; Vidal, Pierre; Saglio, Robert; and Tocci, Jean-Louis, 4,821,545, Cl. 72-53.000.

Sago, Akira: *See—*
Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.
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Sagoi, Masayuki; and Nishikawa, Reiji, to Tokyo Shibaura Denki Kabushiki Kaisha. Perpendicular magnetic recording floppy disk. 4,801,481, 1-31-89, Cl. 428-64.000.

Sagstetter, William E.: *See—*
Wanderer, Alan A.; and Sagstetter, William E., 4,850,961, Cl. 604-53.000.
Wanderer, Alan A.; and Sagstetter, William E., 4,878,902, Cl. 604-192.000.

Saguchi, Shingo, to Tokyo Electric Co., Ltd. Register drawer assembly. 4,804,824, 2-14-89, Cl. 235-7.00R.

Saha, Badal C.: *See—*
Zeikus, Joseph G.; and Saha, Badal C., 4,814,267, Cl. 435-95.000.

Saha, Bijay S.; and Zeman, Robert E., to Eastman Kodak Company. Interdispersed two-phase ferrite composite and carrier therefrom. 4,855,205, 8-8-89, Cl. 430-106.600.

Saha, Bijay S., to Eastman Kodak Company. Rare earth containing magnetic carrier particles. 4,855,206, 8-8-89, Cl. 430-106.600.

Saha, Chandan K.: *See—*
Atwell, William H.; Burns, Gary T.; and Saha, Chandan K., 4,888,376, Cl. 524-401.000.

Saha, Narayan C.: *See—*
Sadowski, Dennis L.; and Saha, Narayan C., 4,830,041, Cl. 137-246.000.

Sahagen, Peter D.: *See—*
Hicks, John W., Jr., 4,827,346, Cl. 358-217.000.
Hicks, John W., Jr., 4,837,631, Cl. 358-217.000.

Sahakian, Eric: *See—*
Charbonnier, Jean-Claude; Roche, Alain; Romand, Maurice; Lenoir, Janine; and Sahakian, Eric, 4,844,748, Cl. 148-254.000.

Sahakian, Jack A., to W. L. Gore & Associates, Inc. Sensors for detecting and locating liquid leaks. 4,877,923, 10-31-89, Cl. 174-11.00R.

Sahakian, V. K.: *See—*
Long, Jon; and Sahakian, V. K., 4,800,419, Cl. 357-70.000.

Sahakian, Vahak K., to LSI Logic Corporation. Semiconductor package profile. 4,890,154, 12-26-89, Cl. 357-74.000.

Sahar, Raphael. Device for use by smokers to enable smoking in public places. 4,807,646, 2-28-89, Cl. 131-177.000.

Sahara, Hidesi, to Asmo Co., Ltd. Motor vehicle wiper. 4,868,947, 9-26-89, Cl. 15-250.210.

Sahara, Hiroshi; and Watanabe, Yoshimi, to Sony Corporation. Signal transmission system for a CATV system. 4,805,014, 2-14-89, Cl. 358-86.000.

Sahara, Hiroshi: *See—*
Kondo, Yoshiyuki; Sahara, Hiroshi; and Hidejima, Yasuhiro, 4,835,604, Cl. 358-86.000.
Ohshima, Shigeo; and Sahara, Hiroshi, 4,883,978, Cl. 307-443.000.
Toda, Haruki; Sahara, Hiroshi; and Ohshima, Shigeo, 4,862,420, Cl. 365-221.000.

Sahara, Masayoshi: *See—*
Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, 4,803,509, Cl. 354-410.000.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000.
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Sahi, Carl R.; Phillips, Richard R.; Fudge, Chester; and Lamo, Jeffrey J., to Bio-Plexus, Inc. Self-blunting needle assembly and device including the same. 4,828,547, 5-9-89, Cl. 604-110.000.

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Kump, William H.; and Sahli, Richard M., 4,851,305, Cl. 429-84.000.

Sahlmen, Friedhelm: *See—*
Reischl, Artur; and Sahlmen, Friedhelm, 4,834,003, Cl. 110-346.000.

Sahlmen, Thomas: *See—*
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Sahm, Dietrich: *See—*
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v. Scarpatetti, Diether; and Sahm, Dietrich, 4,888,454, Cl. 191-30.000.

Sahm, Douglas, to Players Golf, Inc. Golf club. 4,869,507, 9-26-89, Cl. 273-171.000.

Saho, Takahiro: *See—*
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Yashuda, Hirofumi; Saho, Takahiro; Ohtake, Nobumasa; and Nakano, Takaharu, 4,822,850, Cl. 528-28.000.

Sahr, Stuart: *See—*
Nolan, Charles C.; and Sahr, Stuart, 4,845,426, Cl. 324-158.00F.

Sai, Fumio: *See—*
Saito, Kozo; Sai, Fumio; and Murata, Moriyasu, 4,869,843, Cl. 252-135.000.

Sai-Halasz, George A.: *See—*
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Donohue, Thomas P.; Hohn, Fritz J.; and Sai-Halasz, George A., 4,871,919, Cl. 250-491.100.

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Rotolico, Anthony J.; Saia, Lawrence A.; Hacker, Martin E. and Maidhof, William H., 4,865,252, Cl. 239-8.000.

Saia, Louis P., III. Portable self-contained cooler/freezer apparatus for use on common carrier type unrefrigerated truck lines and the like. 4,825,666, 5-2-89, Cl. 62-384.000.

Saia, Richard J.: *See—*
Brown, Dale M.; Gorowitz, Bernard; and Saia, Richard J., 4,824,802, Cl. 437-192.000
Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,845,050, Cl. 437-192.000.
Kim, Manjin J.; Brown, Dale M.; Cohen, Simon S.; Gorowitz, Bernard; and Saia, Richard J., 4,871,617, Cl. 428-450.000.

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Saia, Wilburn H. F. Structural member for buildings. 4,887,406, 12-19-89, Cl. 52-694.000.

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Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, 4,854,252, Cl. 112-265.100.
Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, 4,884,517, Cl. 112-112.000.

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Field, Carl R.; and Saichaie, Pichai, 4,794,782, Cl. 72-457.000.

Said, Ahmed M. F., to Tektronix, Inc. Circuit and method for determining the phase angle of a complex electrical signal. 4,870,593, 9-26-89, Cl. 364-481.000.

Saida, Toyoyasu, to Research Association for Petroleum Alternatives Development. Process for producing ethanol by fermentation. 4,822,737, 4-18-89, Cl. 435-162.000.

Saida, Yoshihiro: *See—*
Yoshida, Haruo; Uotani, Nobuo; and Saida, Yoshihiro, 4,833,231, Cl. 528-423.000.

Saiga, Yutaka: *See—*
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,829,067, Cl. 514-233.500.
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,882,340, Cl. 514-320.000.

Saiger, Herbert C., to Winston Furniture Company of Alabama, Inc. Chair frame and cushion assembly. 4,828,320, 5-9-89, Cl. 297-229.000.

Saigo, Yoichi: *See—*
Hikita, Mitsutaka; Saigo, Yoichi; and Kurosawa, Kazuhito, 4,803,449, Cl. 333-193.000.

Saigoh, Tsuyoshi, to Hoya Corporation. Spectacle-frame shape data producing method. 4,817,024, 3-28-89, Cl. 364-577.000.

Saigusa, Yoshiaki, to Nifco Inc. Rotary oil damper. 4,869,125, 9-26-89, Cl. 74-574.000.

Saiji, Mitsuhiro: *See—*
Washizuka, Isamu; Nishimura, Kosuke; and Saiji, Mitsuhiro, 4,809,192, Cl. 364-513.500.

Saijo, Akira: *See—*
Watanabe, Shinji; and Saijo, Akira, 4,845,598, Cl. 362-61.000.
Watanabe, Shinji; and Saijo, Akira, 4,881,152, Cl. 362-61.000.

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  - Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, 4,814,820, Cl. 355-300.000.
- Saijo, Hiroyuki: *See—*
  - Shiozaki, Ryozi; Kaji, Atsuhiko; Saijo, Hiroyuki; and Deguchi, Katsuhiko, 4,840,746, Cl. 252-174.250.
- Saijo, Munetoshi: *See—*
  - Terano, Takashi; Jinno, Masayuki; and Saijo, Munetoshi, 4,857,889, Cl. 340-461.000.
- Saijo, Takao; and Fujita, Masafumi, to Minolta Camera Kabushiki Kaisha. Microfilm camera. 4,803,505, 2-7-89, Cl. 354-80.000.
- Saijo, Takao: *See—*
  - Fujita, Masafumi; Yamade, Yasushi; and Saijo, Takao, 4,835,577, Cl. 355-68.000.
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- Saijo, Yoshihiro, to Nippon Acchakutanshi Seizo Kabushiki Kaisha. Multi-contact electrical connector. 4,820,179, 4-11-89, Cl. 439-224.000.
- Saijo, Yoshihiro: *See—*
  - Kume, Tadaaki; Saijo, Yoshihiro; and Fujikawa, Yasuji, 4,838,847, Cl. 493-133.000.
- Saika, Toshihiro: *See—*
  - Gofuku, Ihachiro; Osada, Yoshiyuki; Nakagawa, Katsumi; Hatanaka, Katsunori; Saika, Toshihiro; and Kaifu, Noriyuki, 4,886,977, Cl. 250-578.000.
  - Hatanaka, Katsunori; Abe, Naoto; Sakamoto, Eiji; and Saika, Toshihiro, 4,829,485, Cl. 365-239.000.
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- Saikatsu, Takeo: *See—*
  - Anzai, Yoshinori; Saikatsu, Takeo; Saito, Masato; and Tsuchihashi Michihiro, 4,837,478, Cl. 313-112.000.
- Saikawa, Isamu: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
  - Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
- Saikawa, Masahiko: *See—*
  - Nishinoiri, Hiroshi; Saikawa, Masahiko; Takaya, Yoshikazu; and Kanada, Euji, 4,873,170, Cl. 430-204.000.
  - Yamamoto, Kazuyoshi; Saikawa, Masahiko; and Kanada, Eiji, 4,824,760, Cl. 430-204.000.
- Saiki, Albert K., to Panavision, Inc. Movie camera shutter. 4,889,424, 12-26-89, Cl. 352-216.000.
- Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, to Nippon Steel Corporation. Process for producing ultrafine particles of metals, metal compounds and ceramics and apparatus used therefor. 4,812,166, 3-14-89, Cl. 75-0.50C.
- Saiki, Goro; and Kondo, Jiro, to Nippon Steel Corporation. Process for producing a silicon carbide powder. 4,832,929, 5-23-89, Cl. 423-346.000.
- Saiki, Goro; and Kondo, Jiro, to Nippon Steel Corporation. Process for producing a boron-containing silicon carbide powder. 4,847,060, 7-11-89, Cl. 423-346.000.
- Saiki, Goro; and Kondo, Jiro, to Nippon Steel Corporation. Processes for producing a high density silicon carbide sinter. 4,869,886, 9-26-89, Cl. 423-346.000.
- Saiki, Koji: *See—*
  - Nasu, Shogo; and Saiki, Koji, 4,797,330, Cl. 428-694.000.
- Saiki, Kozo: *See—*
  - Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
- Saiki, Masatsugu; Imai, Yoshio; and Takagi, Makoto, to Takemoto Yushi Kabushiki Kaisha. Antistatic agents for synthetic fibers and methods of producing same. 4,822,529, 4-18-89, Cl. 260-403.000.
- Saiki, Randall K.: *See—*
  - Gęlfand, David H.; Stoffel, Susanne; Lawyer, Frances C.; and Saiki, Randall K., 4,889,818, Cl. 435-194.000.
  - Mullis, Kary B.; Erlich, Henry A.; Arnheim. Norman; Horn, Glenn T.; Saiki, Randall K.; and Scharf, Stephen J., 4,800,159, Cl. 435-172.300.
- Saiki, Shuji: *See—*
  - Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Saiki, Shuji; and Tanaka, Tsuneo, 4,803,242, Cl. 524-35.000.
- Saiki, Sumito: *See—*
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- Saiki, Terunari, to Honda Giken Kogyo Kabushiki Kaisha. Variable seat for motorcycles. 4,804,221, 2-14-89, Cl. 297-195.000.
- Saiki, Yoshiaki: *See—*
  - Kagawa, Junichi; Saiki, Yoshiaki; and Amano, Kozo, 4,881,403, Cl. 73-115.000.
- Saiki, Yoshiharu: *See—*
  - Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, 4,812,964, Cl. 364-140.000.
  - Kiya, Nobuyuki; Toriyama, Shuji; and Saiki, Yoshiharu, 4,887,220, Cl. 364-474.110.
- Sailer, Erwin: *See—*
  - Lay, Kurt; and Sailer, Erwin, 4,840,551, Cl. 425-12.000.
  - Lay, Kurt; and Sailer, Erwin, 4,851,169, Cl. 264-36.000.
- Sailer, Hubert: *See—*
  - Muller, Franz; Baur, Erwin; Simon, Herbert; and Sailer, Hubert, 4,827,784, Cl. 74-330.000.
- Saimoto, Hiroshi: *See—*
  - Mitsui, Susumu; Kurose, Shigeru; and Saimoto, Hiroshi, 4,861,766, Cl. 514-184.000.
- Saimre, Jerry J.: *See—*
  - Hsu, Ten-hu; Brown, Watson F.; and Saimre, Jerry J., 4,822,440, Cl. 156-307.500.
- Sainato, Anthony, to Creative Products Merchandising, Inc. Header sign mounting assemblies for product merchandising displays. 4,798,013, 1-17-89, Cl. 40-651.000.
- Sainato, Anthony V., to Creative Products Merchandising, Inc. Assembly for mounting a display sign. 4,854,533, 8-8-89, Cl. 248-221.100.
- Sainen, Tsutomu; and Wakamatsu, Kensuke, to Tsudakoma Kogyo Kabushiki Kaisha. Control system for engagement pin in durm-type weft storage unit. 4,843,290, 6-27-89, Cl. 318-603.000.
- Sainen, Tsutomu: *See—*
  - Sugita, Katsuhiko; Nakada, Akihiko; and Sainen, Tsutomu, 4,827,985, Cl. 139-25.000.
- Sainen, Yoshimasa: *See—*
  - Sugie, Kazuo; Sainen, Yoshimasa; Kimura, Yuji; and Nishiyama Tadashi, 4,866,782, Cl. 382-22.000.
- Sainfort, Pierre: *See—*
  - Dubost, Bruno; Reboul, Max; and Sainfort, Pierre, 4,812,178, Cl. 148-12.70A.
- Sainio, Jeffrey W., to Quad/Tech, Inc. Web registration control system. 4,887,530, 12-19-89, Cl. 101-181.000.
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  - Saint-Amand, Elmer F., 4,813,432, Cl. 128-749.000.
- St. Angelo, Allen J.; and Vercellotti, John R., to United States of America, Agriculture. Inhibition of warmed-over flavor and preserving of uncured meat containing materials. 4,871,556, 10-3-89, Cl. 426-92.000.
- St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., to General Motors Corporation. Apparatus of a robot for installing weather stripping in a door or like opening. 4,843,701, 7-4-89, Cl. 29-235.000.
- St. Angelo, Stephen; Carver, George C.; Patterson, David W.; and Fremont, Owen K., to General Motors Corporation. Method of loading an arm of a robot with a loop of weather stripping. 4,852,24 8-1-89, Cl. 29-559.000.
- St. Angelo, Stephen; and Lucci, John J., to General Motors Corporation. Device for measuring weatherstrip torsional rigidity. 4,860,5 8-29-89, Cl. 73-794.000.
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  - Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.
- St. Aubin, Donald L.: *See—*
  - Laugal, James A.; Martin, Glenn E.; St. Aubin, Donald L.; and Wold, Gerald G., 4,857,567, Cl. 523-415.000.
- St. Clair, Albert R.: *See—*
  - Rasnick, Glen L.; and St. Clair, Albert R., 4,803,742, Cl. 5-18.00
- St. Clair, Anne K.: *See—*
  - Stoakley, Diane M.; St. Clair, Anne K.; and Little, Bruce D. 4,864,865, Cl. 73-831.000.
- St. Clair, Christie C. Carburetion systems. 4,813,394, 3-21-89, Cl. 123-527.000.
- St. Clair, David J., to Shell Oil Company. Color stable hot melt adhesive. 4,835,200, 5-30-89, Cl. 524-100.000.
- St. Clair, David J.: *See—*
  - Samuelson, Gay M.; St. Clair, David J.; and Danforth, Richard L. 4,869,966, Cl. 428-428.000.
- St. Clair, David L., to Owens-Illinois Plastic Products Inc. Fitment inserter machine. 4,817,363, 4-4-89, Cl. 53-307.000.
- St. Clair, Joe C.: *See—*
  - Gupta, Satish; Lumelsky, Leon; Mansfield, Robert L.; Romero, Hector G., Jr.; Segre, Marc; Spencer, Alexander K.; St. Clair, Joe C.; and Wagoner, James D., 4,870,406, Cl. 340-70.000.
  - Lumelsky, Leon; St. Clair, Joe C.; Mansfield, Robert L.; Segre, Marc; and Spencer, Alexander K., 4,823,286, Cl. 364-521.000.
  - Mansfield, Robert L.; Segre, Marc; Spencer, Alexander K.; and St. Clair, Joe C., 4,808,986, Cl. 340-747.000.
  - Mansfield, Robert L.; Spencer, Alexander K.; and St. Clair, Joe C. 4,837,563, Cl. 340-732.000.
- St. Clair, Martha H.: *See—*
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,538, Cl. 424-436.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,818,750, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,828,838, Cl. 424-451.000.
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  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,857,511, Cl. 514-50.000.
  - Rideout, Janet L.; Barry, David W.; Lehrman, Sandra N.; St. Clair, Martha H.; and Furman, Phillip A., 4,874,609, Cl. 424-85.400.

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- Saint-Cricq, Jacques. Installation for the game and the practicing of golf. 4,846,478, 7-11-89, Cl. 273-176.00A.
- Saint-Cyr, Frederic, to Semetex Corporation. Hermetic leadless semiconductor device package. 4,879,589, 11-7-89, Cl. 357-79.000.
- St. Cyr, Napoleon. Toilet tissue and facial tissue. 4,816,320, 3-28-89, Cl. 428-198.000.
- Saint, David: *See—*
  - Kohus, Louis M.; Mariol, John V.; and Saint, David, 4,856,809, Cl. 280-644.000.
- St. Denis, Carroll R. String arrangement for a musical instrument. 4,852,447, 8-1-89, Cl. 84-297.00R.
- St. Denis, Carroll R., to Global Designs Inc. Tuning apparatus for stringed instruments. 4,889,029, 12-26-89, Cl. 84-454.000.
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  - Wood, James R., 4,809,964, Cl. 270-58.000.
- St. Georgiev, Vassil; and Mullen, George B., to Pennwalt Corporation. Alpha-substituted ketonitrone derivatives. 4,803,282, 2-7-89, Cl. 548-336.000.
- St. Germain, Dennis. Multiple path sling construction. 4,850,629, 7-25-89, Cl. 294-74.000.
- St-Germain, Jean. Scaffolding. 4,809,814, 3-7-89, Cl. 182-132.000.
- St-Germain, Jean. Scaffolding attachment for wall construction. 4,850,453, 7-25-89, Cl. 182-229.000.
- St-Germain, Jean. Safety fence for scaffolds. 4,858,724, 8-22-89, Cl. 182-113.000.
- Saint-Gobain Cinematique et Controle: *See—*
  - Caloyannis, Theodore; and Lamborot, Pierre, 4,843,231, Cl. 250-223.00B.
- Saint-Gobain Emballage: *See—*
  - Tangari, Celia M.; Dugast, Alain; and Abriou, Daniel, 4,887,791, Cl. 249-115.000.
- Saint-Gobain Recherche: *See—*
  - Daudin, Philippe; Levy, Pierre-Emmanuel; Aube, Jean-Yves; Duplessis, Bernard; and Boivent, Marcel, 4,809,294, Cl. 373-41.000.
  - Debouzie, Alain; Bouquet, Francois; and De Meringo, Alain, 4,826,722, Cl. 428-280.000.
- Saint-Gobain Vitrage: *See—*
  - Arribart, Herve; Padoy, Christian; Dugast, Alain: Armond, Michel; Defendini, Francis; and Desbat, Bernard, 4,844,591, Cl. 350-357.000.
  - Art, Andree ; Jandrain, Jean-Claude; Lecourt, Jean; and Legros, Desire, 4,830,692, Cl. 156-64.000.
  - Blank, Kurt; Halberschmidt, Friedrich; Reinmold, Heinz-Josef; Audi, Josef; Kaesmacher, Jakob; Reinicke, Ralf; and Niedenhoff, Udo, 4,853,019, Cl. 65-106.000.
  - Blasquez-Gonzales, Ignacio; Blanchard, Rene; Letemps, Bernard; Mathivat, Denis; and Boutier, Philippe, 4,838,920, Cl. 65-104.000.
  - Boutier, Philippe; and Vanaschen, Luc, 4,802,904, Cl. 65-106.000.
  - Bravet, Jean-Louis; and de Toytot, Francois, 4,818,622, Cl. 428-425.600.
  - Bravet, Jean-Louis; Toytot, Francois; Leyens, Gerd; Pikhardt, Siegfried; and Bayer, Herbert, 4,871,579, Cl. 427-31.000.
  - Canaud, Michel; and Dewitte, Philippe, 4,822,649, Cl. 428-34.000.
  - Canaud, Michel; and Dewitte, Philippe, 4,875,833, Cl. 417-259.000.
  - Coulon Jean C.; Kramer, Carl; Schaefer, Wolfgang; and Sustmann, Hans, 4,824,695, Cl. 427-168.000.
  - Coulon, Jean-Claude; and Douche, Jean Pierre, 4,837,093, Cl. 428-432.000.
  - Daude, Gerard; Bravet, Jean-Louis; Moncheaux, Michel; Drujon, Sylvie; and Dimier, Gerard, 4,830,806, Cl. 264-216.000.
  - Douche, Jean-Pierre; Coulon, Jean-Claude; and Bernard, Claude, 4,807,814, Cl. 239-428.000.
  - Ettori, Solange; Peraud, Jean-Claude; and Barton, James, 4,824,458, Cl. 65-30.130.
  - Floreancig, Eligio M.; Jandrain, Jean-Claude M.; Legros, Desire M.; and Simonon, Jean-Claude M., 4,879,933, Cl. 83-76.100.
  - Gillner, Manfred, 4,816,096, Cl. 156-106.000.
  - Kunert, Heinz, 4,876,132, Cl. 428-43.000.
  - Kuster, Hans-Werner; Schwarzenberg, Norbert; and Vanaschen, Luc, 4,802,903, Cl. 65-106.000.
  - Kuster, Hans-Werner; Radermacher, Herbert; Vanaschen, Luc; and Schubert, Gerhard, 4,851,026, Cl. 65-273.000.
  - Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,859,225, Cl. 65-104.000.
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,871,385, Cl. 65-115.000.
  - Le Marrec, Claude; Kramer, Carl; and Kuster, Hans-Werner, 4,808,043, Cl. 406-181.000.
  - Lenhardt, Karl, 4,824,355, Cl. 425-378.100.
  - Letemps, Bernard; Petitcollin, Jean-Mark; Perin, Francis; Prouveur, Herve; and Lissillour, Jean, 4,813,993, Cl. 65-273.000.
  - Letemps, Bernard; and Gonzalez-Blasquez, Ignacio, 4,820,327, Cl. 65-104.000.
  - Letemps, Bernard; Huchet, Gerard; and Leclercq, Jacques, 4,878,850, Cl. 439-83.000.
  - Ohlenforst, Hans; and Kunert, Heinz, 4,888,072, Cl. 156-108.000.
  - Orain, Roger, 4,840,657, Cl. 65-107.000.
  - Ortmans, Gunter; and Hassiepen, Michael, 4,830,913, Cl. 428-34.000.
  - Peetz, Dieter; Scheeren, Peter; Siemonsen, Hans-Peter; Reinicke, Ralf; Witting, Lothar; and Schafhausen, Aloisius, 4,875,308, Cl. 49-501.000.
  - Perin, Francis; and Prouveur, Herve, 4,824,464, Cl. 65-106.000.
  - Raedisch, Helmer; Holzer, Gerhard; Gelderie, Udo; and Breuer, Kornelia, 4,826,914, Cl. 524-731.000.
  - Vanaschen, Luc; Kuster, Hans-Werner; and Radermacher, Herbert, 4,842,634, Cl. 65-106.000.
- Saint-Gobain Vitrage "Les Miroirs": *See—*
  - d'Iribarne, Benoit; and Houang, Paul, 4,826,522, Cl. 65-115.000.
  - Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,816,058, Cl. 65-348.000.
  - Kuster, Hans-Werner; Radermacher, Herbert; and Vanaschen, Luc, 4,874,418, Cl. 65-348.000.
  - Lecourt, Jean; Legros, Desire; and Granville, Andre, 4,889,547, Cl. 65-107.000.
- Saint-Gobian Vitrage: *See—*
  - Sauvinet, Vincent; Bletry, Jean; Bonnaud, Micheline; and Trouve, Maurice, 4,859,499, Cl. 427-108.000.
- St. Ivel Limited: *See—*
  - Platt, Brian L.; and Gupta, Bharat B., 4,865,867, Cl. 426-603.000.
- Saint Jalmes, Herve : *See—*
  - Yassine, Mohamed M.; Querleux, Bernard; Darrasse, Luc; Saint Jalmes, Herve ; Taquin, Jacques; Sauzade, Michel; and Leveque, Jean-Luc, 4,870,363, Cl. 324-318.000.
- Saint-Jean, Alain; and Bagard, Michel, to Regie Nationale des Usines Renault. Manual transmission with one primary shaft and two secondary shafts. 4,802,373, 2-7-89, Cl. 74-359.000.
- St-Jean, Guy; Hamel, Andre; Bourdages, Michel; and Dumont, Daniel, to Hydro-Quebec. Enclosure for electric device, in particular for surge arrester, including a molded, electrically insulating envelope. 4,827,370, 5-2-89, Cl. 361-127.000.
- St. John, Richard K.: *See—*
  - Dowler, David H.; and St. John, Richard K., 4,825,466, Cl. 379-445.000.
- St. John's University: *See—*
  - Bolton, Sanford; and Desai, Subhash, 4,814,179, Cl. 424-467.000.
- St. Jude Medical, Inc.: *See—*
  - Ross, Pepi; Madou, Marc J.; Reyes, Zoila; Jensen, Joel F.; Wing, Sharon W.; and Rimer, Virginia G., 4,795,542, Cl. 204-403.000.
- St. Lawrence Manufacturing Canada, Inc.: *See—*
  - Dallaire, Michel; and Katz, Robert, 4,887,835, Cl. 280-646.000.
- St. Lawrence, William: *See—*
  - Holzhausen, Gary R.; and St. Lawrence, William, 4,802,144, Cl. 367-35.000.
- Saint-Leqer, Didier: *See—*
  - Jacquet, Bernard; Hocquaux, Michel; Semeria, Didier; and Saint-Leqer, Didier, 4,803,228, Cl. 514-714.000.
- St. Louis Music Supply Company: *See—*
  - Yairi, Kazuo, 4,807,508, Cl. 84-297.00R.
- St. Louis, Paul T.; and Welch, Charles L., to Consolidated Technologies, Corp. Backhoe hitch apparatus. 4,836,741, 6-6-89, Cl. 414-723.000.
- St. Louis, Paul T.; and Welch, Charles L., to Consolidated Technologies, Corp. Remotely operable quick connector for a coupling device. 4,844,513, 7-4-89, Cl. 285-39.000.
- St. Louis, Paul T.: *See—*
  - Livingston, Johnston R.; and St. Louis, Paul T., 4,813,163, Cl. 37-103.000.
- St. Louis, Raymond F. Power tool/vacumm cleaner power control. 4,825,140, 4-25-89, Cl. 323-237.000.
- St. Mary, Steven J.: *See—*
  - Hagen, Donald F.; St. Mary, Steven J.; Errede, Louis A.; and Carr, Peter W., 4,810,381, Cl. 210-502.100.
- St. Mary's Hospital and Medical Center: *See—*
  - Michels, Ruth Y., 4,822,495, Cl. 210-781.000.
- Saint, Nathanael: *See—*
  - Dillner, James M.; and Saint, Nathanael, 4,811,437, Cl. 5-99.00B.
- St. Onge, Daniel R.: *See—*
  - Christenson, Ronald E.; and St. Onge, Daniel R., 4,848,783, Cl. 280-405.100.
- St. Onge, Gary F.; and McRay, Robert D., to Everett/Charles Contact Products, Inc. Technique for elimination of static in printed circuit board test fixtures. 4,814,698, 3-21-89, Cl. 324-158.00F.
- St. Onge, Hank. Composite anode. 4,861,449, 8-29-89, Cl. 204-197.000.
- St. Onge, Henri S., to Duratron Systems Limited. Product for relining sewers and water pipes. 4,796,669, 1-10-89, Cl. 138-97.000.
- St-Onge, Michel, to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence. Reversible arming and firing mechanism for marine markers. 4,834,685, 5-30-89, Cl. 441-8.000.
- St. Peter, Larry. Thumbtack tool. 4,881,676, 11-21-89, Cl. 227-63.000.
- St. Phillips, Eric A.: *See—*
  - D'Annunzio, Lynne M.; St. Phillips, Eric A.; and Sharps, Gordon V., Jr., 4,834,924, Cl. 264-40.300.
  - Herrington, Fox J.; and St. Phillips, Eric A., 4,860,267, Cl. 368-10.000.

- Sharps, Gordon V., Jr.; and St. Phillips, Eric A., 4,872,942, Cl. 156-515.000.

St. Pierre, Rene: *See—*
- Nolan, James D.; and St. Pierre, Rene, 4,804,886, Cl. 313-489.000.

St. Regis Packaging Limited: *See—*
- Wonnacott, Roger J., 4,817,866, Cl. 206-427.000.
- Wonnacott, Roger J., 4,860,944, Cl. 229-52.00B.

Saint Thomas Fund: *See—*
- Geary, Robert J., Sr., 4,828,602, Cl. 71-85.000.

Sainte Beuve, Edith: *See—*
- Forestier, Serge: Lang, Gerard; and Sainte Beuve, Edith, 4,866,159, Cl. 528-342.000.

Sainte Luce Banchelin, Jean; Bourcereau, Jean; and Valy, Yves, to Aerospatiale Societe Nationale Industrielle. Protective sheath for electrical or optical conductors hardened with respect to X-rays. 4,837,448, 6-6-89, Cl. 250-519.100.

Sainton, Alain, to Beugnet. Method of regenerating a worn road surface. 4,846,602, 7-11-89, Cl. 404-75.000.

Sainz, Mario A.; Anderson, Richard C., Jr.; Belmore, Richard J.; and Smith, Stanley B., Jr., to Thermo Jarrell Ash Corporation. Sample analysis apparatus. 4,804,519, 2-14-89, Cl. 422-81.000.

Saipem S.p.A.: *See—*
- Orlando, Crescenzo; Zenere, Sandro; Butera, Antonio; and Beghetto, Leonardo, 4,883,386, Cl. 405-136.000.

Sair, Louis: *See—*
- Sophianopoulos, Spyros; Darley, Kenneth S.; and Sair, Louis, 4,883,676, Cl. 426-314.000.

Saischek, Gerald: *See—*
- Schermanz, Karl; Saischek, Gerald; Urmann, Robert; and Martetschlager, Kurt, 4,812,465, Cl. 514-340.000.

Saishoji, Toshihide: *See—*
- Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.

Saisu, Yasushi: *See—*
- Motohashi, Toshiaki; and Saisu, Yasushi, 4,796,678, Cl. 141-206.000.

Saita, Eiichi; Mori, Shigetaka; and Mori, Akihiko, to Eiichi Saita; and Nippon Scitec Co., Ltd. Process for producing pregelatinized grain. 4,847,103, 7-11-89, Cl. 426-445.000.

Saita, Itsuro: *See—*
- Arai, Masaru; and Saita, Itsuro, 4,800,610, Cl. 15-250.210.
- Arai, Masaru; and Saita, Itsuro, 4,807,326, Cl. 15-250.420.

Saita, Kenji; and Saegusa, Kunio, to Sumitomo Chemical Company, Limited. Make-up cosmetics. 4,842,848, 6-27-89, Cl. 424-63.000.

Saita, Masaru: *See—*
- Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.

Saita, Tsuneo: *See—*
- Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.

Saito, Akihiro. Forming unit for electrode chip of welder. 4,842,456, 6-27-89, Cl. 409-145.000.

Saito, Akihiro: *See—*
- Fujii, Susumi; Ishida, Hiromi; Morioka, Masataka; Saito, Akihiro; and van der Meer, Roelof, 4,873,276, Cl. 524-153.000.

Saito, Akihisa: *See—*
- Yokota, Kazuto; and Saito, Akihisa, 4,857,741, Cl. 250-486.100.

Saito, Akiko: *See—*
- Nishi, Tatsunari; Saito, Akiko; and Itoh, Seiga, 4,868,125, Cl. 435-320.000.
- Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga; and Saito, Akiko, 4,849,359, Cl. 435-252.330.

Saito, Akira; Nukada, Teisuke; and Ito, Michio, to Nihon Kaiheiki Industrial Co., Ltd. Method of manufacturing a switch base. 4,854,041, 8-8-89, Cl. 29-884.000.

Saito, Akira: *See—*
- Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
- Fujita, Yasushi; and Saito, Akira, 4,851,619, Cl. 200-6.00R.
- Ichikawa, Atsushi; Ito, Masamichi; and Saito, Akira, 4,838,649, Cl. 350-247.000.
- Kamisada, Toshimasa; and Saito, Akira, 4,841,509, Cl. 369-46.000.
- Kaneda, Tokuya; Saito, Akira; Watanabe, Masateru; Osumi, Tomoji; and Suzuki, Nobuo, 4,807,212, Cl. 369-44.000.
- Kitagawa, Yuichi; Yamada, Haruo; and Saito, Akira, 4,835,209, Cl. 524-507.000.
- Watanabe, Kayo; Saito, Akira; and Aoki, Yoshihiro, 4,850,138, Cl. 49-84.000.

Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, to Hitachi, Ltd. Method and apparatus for compensating variation of read data in an optical data storage. 4,835,759, 5-30-89, Cl. 369-59.000.

Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, to Sunstar Engineering Inc.; and Teikoku Kako Co., Ltd. Adhesive resin composition. 4,845,1 7-4-89, Cl. 523-451.000.

Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; and Takasugi, Wasao, to Hitachi, Ltd. Method and apparatus for information recording and reproduction of a pit-shape-forming optical recording type. 4,866,692, 9-12-89, Cl. 369-59.000.

Saito, Chuichi; and Hanano, Masamitsu, to Hitachi, Ltd.; and Hitachi Elevator Engineering Co., Ltd. Passenger conveyor with unitary balustrade panel support members. 4,819,781, 4-11-89, Cl. 198-335.000.

Saito, Chuichi, to Hitachi, Ltd. Balustrade for passenger conveyer. 4,871,056, 10-3-89, Cl. 198-335.000.

Saito, Cyuichi, to Hitachi, Ltd. Balustrade for a passenger conveyor. 4,798,274, 1-17-89, Cl. 198-324.000.

Saito, Eichi: *See—*
- Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.
- Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.

Saito, Etsuro, to Sony Corporation. Apparatus for longitudinal bidirectional recording with equal length tracks. 4,819,099, 4-4-89, Cl. 360-84.000.

Saito, Etsuro, to Sony Corporation. Longitudinal recording and/or reproducing apparatus. 4,851,940, 7-25-89, Cl. 360-84.000.

Saito, Goro; and Itaya, Hiroshi, to Anritsu Corporation. Sweep marker display apparatus for polar coordinate display. 4,802,106, 1-31-89, Cl. 364-521.000.

Saito, Goro: *See—*
- Itaya, Hiroshi; and Saito, Goro, 4,812,738, Cl. 324-58.00B.
- Itaya, Hiroshi; and Saito, Goro, 4,845,642, Cl. 364-518.000.

Saito, Hajime: *See—*
- Matsushita, Junichi, Saito, Hajime; and Nagashima, Hideo, 4,873,053, Cl. 419-11.000.

Saito, Harunobu: *See—*
- Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.

Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, to Massachusetts Institute of Technology. Heterodimeric T lymphocyte receptor. 4,873,190, 10-10-89, Cl. 435-172.300.

Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, to Massachusetts Institute of Technology. T lymphocyte receptor subunit. 4,874,845, 10-17-89, Cl. 530-395.000.

Saito, Haruo: *See—*
- Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.

Saito, Hatsuo: *See—*
- Yoshida, Akio; Ajima, Shigetoshi; Hiruta, Masaru; and Saito, Hatsuo, 4,822,538, Cl. 264-29.400.

Saito, Hideaki: *See—*
- Muramatsu, Tateo; Saito, Hideaki; Takasaki, Mamoru; and Enami, Yasushi, 4,836,713, Cl. 405-115.000.

Saito, Hideo; Sawada, Shinichi; and Furukawa, Kenji, to Chisso Corporation. Nematic liquid crystal composition. 4,822,519, 4-18-89, Cl. 252-299.610.

Saito, Hideo: *See—*
- Takahashi, Takehiko; Saito, Hideo; Watanabe, Takashi; and Kaneko, Tomihiro, 4,880,277, Cl. 297-467.000.

Saito, Hidetoshi; Kume, Masahiro; and Morita, Sakae, to Sumitomo Electric Industries, Ltd.; and Sanken Airpax Ltd. Electromagnetic power generating type rotation sensor. 4,804,911, 2-14-89, Cl. 324-167.000.

Saito, Hidetoshi; Kume, Masahiro; and Mizuno, Kazuo, to Sumitomo Electric Industries, Ltd. Hermetically sealed magnetic sensor. 4,847,557, 7-11-89, Cl. 324-208.000.

Saito, Hiroaki: *See—*
- Kondo, Hiroki; Saito, Hiroaki; Katsumata, Makoto; and Kinoshita, Michitaka, 4,812,138, Cl. 439-865.000.
- Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hiraoka, Fumio; and Nakamura, Ikuro, 4,800,155, Cl. 435-7.000.

Saito, Hirokazu; Takano, Kozo; Ushirokoji, Kiyoyuki; and Igarashi, Shigeo, to Fuji Photo Film Co., Ltd. Differential pressure type liquid level meter. 4,869,104, 9-26-89, Cl. 73-299.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kogyo Co., Ltd. DC-52 derivatives and their antitumor use. 4,822,882, 4-18-89, Cl. 544-342.000.

Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kogyo Co., Ltd. Anti-tumor DC-52 compounds. 4,879,386, 11-7-89, Cl. 544-343.000.

Saito, Hiroshi; Sakamoto, Noboru; Fukuya, Hiroshi; and Iwata, Yoshihito, to Nippon Kokan Kabushiki Kaisha. Agglomerated ores and a producing method therefor. 4,810,290, 3-7-89, Cl. 75-257.000.

Saito, Hiroshi; and Sasaki, Shinji, to Hitachi, Ltd. Plasma processing apparatus. 4,831,963, 5-23-89, Cl. 118-723.000.

Saito, Hiroshi; and Hikichi, Koichi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle fuel tank and fuel pump apparatus. 4,871,041, 10-3-89, Cl. 180-219.000.

Saito, Hiroshi: *See—*
- Akutsu, Eiichi; Soga, Hiroo; Saito, Hiroshi; Saito, Koichi; and Horie, Kiyoshi, 4,835,552, Cl. 346-139.00C.
- Moriyama, Osamu; Fujita, Akio; and Saito, Hiroshi, 4,816,281, Cl. 426-144.000.
- Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,844,737, Cl. 75-42.000.
- Shirasawa, Honai; Sugeno, Hiroto; Eto, Shigeo; and Saito, Hiroshi, 4,859,342, Cl. 210-656.000.
- Tateishi, Hideki; Saito, Hiroshi; Sasaki, Shinji; and Horiuchi, Mitsuaki, 4,853,102, Cl. 204-298.000.

Saito, Hiroyoshi: *See—*
- Takagi, Syoji; and Saito, Hiroyoshi, 4,812,966, Cl. 364-200.000.

Saito, Hiroyuki; Sakuma, Masaru; and Murakami, Tsugio, to Tosoh Corporation. Calcium hypochlorite composition and process for preparation thereof. 4,863,709, 9-5-89, Cl. 423-474.000.

Saito, Hiroyuki, to Nippon Seiko Kabushiki Kaisha. Passive seat belt system. 4,872,703, 10-10-89, Cl. 280-804.000.

Saito, Hiroyuki: *See—*
- Seki, Youichi; Yamazaki, Hiroshi; Saito, Hiroyuki; and Taniwaki, Michio, 4,831,406, Cl. 354-484.000.

Saito, Hirozi; Kubota, Shoko; and Motomura, Noriyuki, to Toshiba Kikai Kabushiki Kaisha. Electromagnetic pump type automatic molten-metal supply apparatus. 4,828,460, 5-9-89, Cl. 417-50.000.

Saito, Hisao: *See—*
- Kinuno, Masanori; Saito, Hisao; Kousaka, Akira; and Kawaguchi, Toshio, 4,855,645, Cl. 315-39.710.

Saito, Hisashi; Ohnaka, Shinji; and Fukuda, Shigeo, to Kawaken Fine Chemicals Co., Ltd.; and Kao Corporation. Process for producing gluconic acid. 4,843,173, 6-27-89, Cl. 562-531.000.

Saito, Hitoshi: *See—*
- Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.
- Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.
- Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Saito, Hitoshi, 4,877,665, Cl. 423-36.100.

Saito, Ichiro: *See—*
- Osato, Yoichi; Saito, Ichiro; and Takasu, Yoshio, 4,816,840, Cl. 346-1.100.

Saito, Ikuhiro: *See—*
- Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, 4,841,212, Cl. 318-607.000.

Saito, Isami: *See—*
- Shindo, Yasuhiro; Tsujimoto, Yukio; and Saito, Isami, 4,829,553, Cl. 338-309.000.
- Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu; and Hirayama, Hiroshi, 4,842,654, Cl. 148-20.600.

Saito, Isao, to Sony Corporation. Magnetic reproducing apparatus with head positioning circuit. 4,825,311, 4-25-89, Cl. 360-77.160.

Saito, Isao: *See—*
- Oku, Masuo; Kudo, Yoshimichi; Saito, Isao; and Fukui, Yukio, 4,805,040, Cl. 358-336.000.

Saito, Isoo: *See—*
- Hasegawa, Katsumi; Ohno, Michio; Saito, Isoo; and Fujioka, Kotaro, 4,863,662, Cl. 264-130.000.

Saito, Itaru: *See—*
- Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,854,678, Cl. 350-356.000.
- Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,887,104, Cl. 350-355.000.

Saito, Joichi; Wada, Hiroshi; Shibata, Shigehito; Watabe, Takashi; Tanabe, Kiyoshi; and Kunii, Nobuaki, to Asahi Glass Company Ltd. Process for producing polyurethane elastomer and composition as starting material therefor. 4,808,636, 2-28-89, Cl. 521-163.000.

Saito, Jouji: *See—*
- Yagi, Toshiharu; Sakuma, Hiromichi; and Saito, Jouji, 4,810,294, Cl. 106-35.000.
- Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.

Saito, Jugoro: *See—*
- Okajima, Kiyonori; Saito, Jugoro; and Fujiwara, Hiroshi, 4,794,855, Cl. 100-154.000.

Saito, Junichi; Tamura, Tatsuo; Kurahashi, Yoshio; Matsumoto, Noboru; and Yamaguchi, Naoko, to Nihon Tokushu Noyaku Seizo K.K. Fungicidal sulfonyl azoles. 4,804,673, 2-14-89, Cl. 514-398.000.

Saito, Junichi: *See—*
- Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, 4,819,113, Cl. 360-126.000.
- Yamada, Yasuo; Saito, Junichi; Tamura, Tatsuo; and Sakawa, Shinji, 4,857,556, Cl. 514-585.000.

Saito, Kaoru: *See—*
- Kajiyama, Koichi; Saito, Kaoru; Nozue, Yasuhiro; Ito, Noritoshi; Wakabayashi, Osamu; Fujimoto, Junichi; Kowaka, Masahiko; and Itakura, Yasao, 4,829,536, Cl. 372-57.000.
- Nozue, Yasuhiro; Kajiyama, Koichi; Saito, Kaoru; Wakabayashi, Osamu; Kowaka, Masahiko; and Itakura, Yasuo, 4,856,018, Cl. 372-98.000.

Saito, Katsuhiko: *See—*
- Nagato, Yuichiro; Hujii, Hiroshi; Matsumoto, Osamu; and Saito, Katsuhiko, 4,806,839, Cl. 318-798.000.

Saito, Katsuo: *See—*
- Egami, Hidemi; Saito, Katsuo; and Satomura, Hiroshi, 4,798,997, Cl. 315-115.000.

Saito, Katsushi: *See—*
- Shindo, Yoshio, Yamazaki, Fumio; Wada, Kouichi; Tomio, Hidehiro; and Saito, Katsushi, 4,857,154, Cl. 204-27.000.

Saito, Katsutoshi: *See—*
- Fukuzawa, Tadashi; Chinone, Naoki; Nakatsuka, Shin'ichi; Saito, Katsutoshi; Kajimura, Takashi; and Ono, Yuuichi, 4,827,483, Cl. 372-45.000.

Saito, Katsuyuki: *See—*
- Kanno, Masahide; Saito, Katsuyuki; and Miyazaki, Akihiko, 4,865,018, Cl. 128-6.000.

Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, to Nippon Steel Corporation. Method of making a black surface treated steel sheet. 4,861,441, 8-29-89, Cl. 204-38.700.

Saito, Kazuaki; Nishimura, Yoshifumi; and Izawa, Shinichi, to Asahi Kasei Kogyo Kabushiki Kaisha. Impact-resistant polyamide composition. 4,849,471, 7-18-89, Cl. 525-66.000.

Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao; and Shiozawa, Junichi, to Kabushiki Kaisha Sankyo Seiki Seisakusho; and Toto, Ltd. Turret apparatus. 4,887,345, 12-19-89, Cl. 29-568.000.

Saito, Kazuhiro; and Mori, Taiichi, to Nippon Mining Company, Limited. Method of producing magnetic films of Fe-Si-Al alloy. 4,846,948, 7-11-89, Cl. 204-192.200.

Saito, Kazuhito: *See—*
- Kakii, Toshiaki; Saito, Kazuhito; and Suzuki, Shuzo, 4,830,456, Cl. 350-96.200.

Saito, Kazumasa; Maezawa, Hiroyuki; Kobayashi, Masakazu; and Futamura, Yoshihiko, to Hitachi, Ltd. Method of generating a source program from inputted schematic information. 4,831,525, 5-16-89, Cl. 364-300.000.

Saito, Kazuo; Saito, Toshihiko; and Kishimoto, Ken, to Kabushiki Kaisha Toshiba. Pulsating combustion system. 4,840,558, 6-20-89, Cl. 431-1.000.

Saito, Kazuo: *See—*
- Okura, Kazumasa; and Saito, Kazuo, 4,826,384, Cl. 414-234.000.

Saito, Keiji; Takizawa, Yoshiro; and Takagi, Isao, to Kawasaki Steel Techno-Research Corporation. Preheating apparatus employed in analysis of hydrogen and carbon. 4,798,704, 1-17-89, Cl. 422-99.000.

Saito, Keishi; and Fujioka, Yasushi, to Canon Kabushiki Kaisha. Semiconductor device having a semiconductor region in which either the conduction or valence band remains flat while bandgap is continuously graded. 4,887,134, 12-12-89, Cl. 357-16.000.

Saito, Keishi: *See—*
- Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,798,167, Cl. 118-723.000.
- Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,803,093, Cl. 427-35.000.
- Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,804,604, Cl. 430-57.000.
- Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,818,655, Cl. 430-60.000.
- Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, 4,824,749, Cl. 430-66.000.
- Takei, Tetsuya; Aoike, Tatsuyuki; Kato, Minoru; and Saito, Keishi, 4,795,691, Cl. 430-67.000.
- Takei, Tetsuya; Saito, Keishi; Aoike, Tatsuyuki; and Fujioka, Yasushi, 4,845,001, Cl. 430-66.000.

Saito, Keiya: *See—*
- Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.

Saito, Keizo, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Apparatus for measuring the mass of particulates. 4,827,760, 5-9-89, Cl. 73-28.000.

Saito, Ken-Ichi: *See—*
- Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,880,819, Cl. 514-316.000.
- Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihiro; and Nitta, Issei, 4,883,802, Cl. 514-278.000.

Saito, Kenichi: *See—*
- Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.

Saito, Kenichiro; and Aoyama, Shigeyuki, to Aoki Corporation. Multipurpose, mobile laboratory room. 4,850,268, 7-25-89, Cl. 98-33.100.

Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, to Canon Kabushiki Kaisha. Light beam fluctuation compensating device and method. 4,813,763, 3-21-89, Cl. 350-169.000.

Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, to Canon Kabushiki Kaisha. Apparatus and method for measuring light absorption characteristic of a thin film, and equipment provided with said apparatus for forming a monomolecular built-up film. 4,830,502, 5-16-89, Cl. 356-432.000.

Saito, Kenji, to Sumitomo Rubber Industries, Ltd. Depressed radial tire. 4,884,610, 12-5-89, Cl. 152-454.000.

Saito, Kenji: *See—*
- Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, 4,884,120, Cl. 357-68.000.
- Tokumitsu, Jun; Saito, Kenji; Handa, Yuichi; Tanaka, Nobuyoshi; and Nojiri, Hidetoshi, 4,815,027, Cl. 364-841.000.

Saito, Kinzi: *See—*
Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, 4,835,565, Cl. 355-259.000.
Saito, Kiyokazu; and Imaizumi, Hiraku, to TDK Electronic Co., Ltd. Terminal fitted bobbin. 4,890,085, 12-26-89, Cl. 336-192.000.
Saito, Kiyoshi; Yamamoto, Yoshiro; and Sakuragi, Takeo, to Tokyo Electric Co., Ltd., The. Apparatus for checking out purchases. 4,838,383, 6-13-89, Cl. 186-59.000.
Saito, Kiyoshi: *See—*
Fukuda, Takashi; Saito, Kiyoshi; Suzuki, Satoru; Sato, Hideki; and Hirota, Toshio, 4,851,601, Cl. 585-241.000.
Saito, Kohei: *See—*
Fujimura, Koh; Endo, Kenzo; and Saito, Kohei, 4,832,460, Cl. 350-346.000.
Saito, Kohichi: *See—*
Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.
Saito, Koichi; Akutsu, Eiichi; Fujimura, Yoshihiko; and Inoue, Nanao, to Fuji Xerox Co., Ltd. Thermal electrostatic ink-jet recording method and an ink therefor. 4,799,068, 1-17-89, Cl. 346-1.100.
Saito, Koichi; Fujimura, Yoshihiko; and Inoue, Nanao, to Fuji Xerox Co., Ltd. Thermal-electrostatic ink jet recording apparatus. 4,881,089, 11-14-89, Cl. 346-140.00R.
Saito, Koichi: *See—*
Akutsu, Eiichi; Soga, Hiroo; Saito, Hiroshi; Saito, Koichi; and Horie, Kiyoshi, 4,835,552, Cl. 346-139.00C.
Hamuro, Mitsuro; Yamamoto, Shinya; and Saito, Koichi, 4,846,345, Cl. 206-328.000.
Inoue, Nanao; Saito, Koichi; Kato, Ryoki; Fujimagari, Hiroshi; Fujimura, Yoshihiko; Kato, Seiichi; Naito, Koichi; and Horie, Kiyoshi, 4,841,312, Cl. 346-160.00R.
Kanda, Kazunori; Muramoto, Hisaichi; Saito, Koichi; and Ishikura, Shinichi, 4,869 796, Cl. 204-181.600.
Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,816,841, Cl. 346-76.00L.
Kobayashi, Hideki; Ikeda, Minoru; Saito, Koichi; Nagata, Shiro; and Horino, Koichi, 4,840,873, Cl. 430-273.000.
Yamamoto, Shinya; and Saito, Koichi, 4,889,229, Cl. 206-328.000.
Saito, Koji; Yorita, Tadahiro; and Okawa, Hiroshi, to Murata Manufacturing Co., Ltd. Mount for dielectric coaxial resonators. 4,795,992, 1-3-89, Cl. 333-206.000.
Saito, Kozo; Sai, Fumio; and Murata, Moriyasu, to Kao Corporation. High-density granular detergent composition. 4,869,843, 9-26-89, Cl. 252-135.000.
Saito, Makoto: *See—*
Kato, Tetsuo; Abeyama, Shozo; and Saito, Makoto, 4,842,818, Cl. 420-100.000.
Kimura, Atsuyoshi; Nakamura, Sadayuki; and Saito, Makoto, 4,806,304, Cl. 420-84.000.
Uchida, Kenji; Banba, Nobuyuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, 4,854,783, Cl. 406-13.000.
Saito, Mamoru: *See—*
Nakamura, Seiichi; Saito, Mamoru; and Sugawara, Toshiaki, 4,871,498, Cl. 264-115.000.
Saito, Masakatsu: *See—*
Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, 4,799,118, Cl. 360-125.000.
Saito, Masaki: *See—*
Nagatsuka, Yoshitaka; Saito, Masaki; and Kawabe, Yoshitaka, 4,885,465, Cl. 250-310.000.
Saito, Masami: *See—*
Fukuda, Tadanori; Sakamoto, Sadayuki; and Saito, Masami, 4,812,032, Cl. 351-159.000.
Saito, Masanori: *See—*
Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Kammoto, Yoshiaki; and Saito, Masanori, 4,841,358, Cl. 358-75.000.
Saito, Masao; and Yamada, Koichiro, to Mitsubishi Gas Chemical Company, Inc. Process for producing dioctamethylene triamine. 4,864,062, 9-5-89, Cl. 564-512.000.
Saito, Masashi: *See—*
Yamaguchi, Takashi; Inoue, Takeshi; and Saito, Masashi, 4,843,046, Cl. 501-136.000.
Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, to Mitsubishi Denki Kabushiki Kaisha. Cathode for electron tube. 4,797,593, 1-10-89, Cl. 313-346.00R.
Saito, Masato: *See—*
Anzai, Yoshinori; Saikatsu, Takeo; Saito, Masato; and Tsuchihashi, Michihiro, 4,837,478, Cl. 313-112.000.
Sano, Kinjiro; Kamata, Toyokazu; Fukuyama, Keiji; Saito, Masato; and Watanabe, Keiji, 4,864,187, Cl. 313-346.00R.
Saito, Masatsugu; Ikeda, Chikamasa; and Takeoda, Seisei, to Ikeda Bussan Co., Ltd.; and Niles Parts Co., Ltd. Apparatus for controlling a seat for vehicles. 4,808,897, 2-28-89, Cl. 318-568.000.
Saito, Masayoshi; and I, Jiro, to Chisso Corporation. Process for producing acicular iron α-oxyhydroxide particle powder. 4,806,335, 2-21-89, Cl. 423-632.000.
Saito, Masayuki, to Yamaguchi Electric Ind., Co., Ltd. Car's back-up alarm fitted with speech function. 4,843,367, 6-27-89, Cl. 340-463.000.
Saito, Masayuki; Niitsuma, Akira; Ohdaira, Hirosi; Tanuma, Chiaki; and Mori, Miki, to Kabushiki Kaisha Toshiba. Method of forming bump electrode and electronic circuit device. 4,857,482, 8-15-89, Cl. 437-209.000.
Saito, Masuhiro: *See—*
Araki, Junichi; Saito, Nobuhiro; Tezuka, Hidenori; and Saito, Masuhiro, 4,840,608, Cl. 474-205.000.
Saito, Michio: *See—*
Nagano, Mineo; and Saito, Michio, 4,826,935, Cl. 526-230.500.
Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoaki; and Kiyohara, Akio, 4,870,146, Cl. 526-237.000.
Saito, Mikio: *See—*
Marumo, Shingo; Katayama, Masato; Futatsuya, Fumio; and Saito, Mikio, 4,806,143, Cl. 71-96.000.
Saito, Minoru: *See—*
Arimatsu, Yoshikazu; Tani, Katsuya; Mitamura, Hideyuki; Saito, Minoru; Kaji, Atsushi; and Katsuo, Kenichi, 4,824,929, Cl. 528-205.000.
Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.
Saito, Mitsuaki: *See—*
Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, 4,878,866, Cl. 445-36.000.
Saito, Mitsunaga: *See—*
Tomura, Shinya; Okuyama, Tetsuo; Saito, Mitsunaga; and Uehara, Tsutomu, 4,833,059, Cl. 430-120.000.
Saito, Mitsuo; Matoba, Tsukasa; and Okamoto, Toshio, to Kabushiki Kaisha Toshiba. Presentation display apparatus for displaying two different images on separate displays for a listener and a speaker. 4,876,657, 10-24-89, Cl. 364-521.000.
Saito, Mitsuru; Yoshida, Tadahiro; Morimoto, Yasuhiro; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Still camera system. 4,814,811, 3-21-89, Cl. 354-412.000.
Saito, Mitsuru; and Sato, Kazuchika, to Minolta Camera Kabushiki Kaisha. Image sensing device for an electronic still camera. 4,860,108, 8-22-89, Cl. 358-209.000.
Saito, Mitsuru; Umeda, Kaoru; and Tanimoto, Tetsuyuki, to Minolta Camera Kabushiki Kaisha. Still video adapter. 4,862,293, 8-29-89, Cl. 360-35.100.
Saito, Mitsuru: *See—*
Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
Hayashi, Tsutomu; Ito, Kazuhito; Yoshida, Yoshihiro; and Saito, Mitsuru, 4,845,951, Cl. 60-488.000.
Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsuyuki; Morimoto, Yasuhiro; and Ishibe, Hiroshi, 4,823,199, Cl. 358-335.000.
Saito, Muneo: *See—*
Imahashi, Toru; Maruyama, Naoyuki; Konishi, Hideki; and Saito, Muneo, 4,844,611, Cl. 356-246.000.
Saito, Naoki; Hata, Yasuaki; Kozuka, Hajime; and Mitarai, Kazuo, to Mitsubishi Denki Kabushiki Kaisha; and Nippon Seiko Kabushiki Kaisha. Torque detector for motor-driven power steering system. 4,862,982, 9-5-89, Cl. 180-79.100.
Saito, Naoki; and Harada, Toru, to Fuji Photo Film Co., Ltd. Recording material containing leuco dye. 4,888,322, 12-19-89, Cl. 503-215.000.
Saito, Naoki: *See—*
Harada, Toru; Saito, Naoki; and Sato, Kozo, 4,839,333, Cl. 503-218.000.
Kozuka, Hajime; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,886,136, Cl. 180-79.100.
Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, 4,830,137, Cl. 180-79.100.
Saito, Noboru: *See—*
Ueshima, Michio; Takahashi, Yoshiyuki; Tsuchino, Masatoshi; and Saito, Noboru, 4,814,512, Cl. 568-432.000.
Saito, Nobuaki, to Komori Printing Machinery Co., Ltd. Suction member fixing apparatus for sheet-fed printing press with turn-over mechanism. 4,831,929, 5-23-89, Cl. 101-230.000.
Saito, Nobuaki: *See—*
Ohyoshi, Hisaaki; and Saito, Nobuaki, 4,861,016, Cl. 271-215.000.
Saito, Nobuhiro: *See—*
Araki, Junichi; Saito, Nobuhiro; Tezuka, Hidenori; and Saito, Masuhiro, 4,840,608, Cl. 474-205.000.
Saito, Nobuo; and Noda, Mitsuo, to Dainichiseika Color & Chemicals Mfg. Co. Ltd. Halogen-free flame resisting synthetic resin composition. 4,879,332, 11-7-89, Cl. 524-436.000.
Saito, Noriaki: *See—*
Harada, Masato; Iijima, Makoto; and Saito, Noriaki, 4,831,091, Cl. 526-119.000.
Saito, Norihisa: *See—*
Takahashi, Kimio; Saito, Norihisa; and Takada, Kunio, 4,826,271, Cl. 350-6.800.
Takahashi, Kimio; and Saito, Norihisa, 4,842,354, Cl. 350-6.800.
Saito, Norio: *See—*
Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, 4,801,847, Cl. 315-5.410.
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,801,720, Cl. 540-358.000.
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,810,788, Cl. 540-358.000.

Torii, Sigeru; Uneyama, Kenji; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Shiroi, Takashi, 4,853,468, Cl. 540-215.000.
Saito, Noritoshi: *See—*
Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, 4,851,942, Cl. 360-103.000.
Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; and Saito, Noritoshi, 4,847,715, Cl. 360-122.000.
Saito, Reiko: *See—*
Kato, Hiroshi; and Saito, Reiko, 4,828,949, Cl. 430-28.000.
Saito, Ryo: *See—*
Hasuo, Masayoshi; Mukai, Seiichi; Saito, Ryo; and Ikuhara, Isao, 4,840,981, Cl. 524-114.000.
Saito, Ryuichi: *See—*
Watanabe, Atsuo; Nagano, Takahiro; Ikeda, Takahide; Momma, Naohiro; and Saito, Ryuichi, 4,862,240, Cl. 357-42.000.
Saito, Satoshi: *See—*
Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, 4,856,163, Cl. 29-157.00C.
Ishida, Kunio; Saito, Satoshi; Habuto, Akinaka; Murata, Tadahiko; Oiso, Hisayoshi; Joyama, Norio; and Fujimoto, Kazuhiro, 4,857,354, Cl. 426-558.000.
Kato, Haruo; and Saito, Satoshi, 4,827,909, Cl. 128-6.000.
Kobayashi, Yuichi; and Saito, Satoshi, 4,822,417, Cl. 106-23.000.
Sato, Akira; Sekizuka, Yasuo; and Saito, Satoshi, 4,857,346, Cl. 426-321.000.
Saito, Seiji: *See—*
Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, 4,866,532, Cl. 358-443.000.
Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, 4,849,774, Cl. 346-140.00R.
Saito, Seishiro; and Kanai, Shigeru, to Tachi-S Co., Ltd. Height adjusting device for automotive seat. 4,828,213, 5-9-89, Cl. 248-421.000.
Saito, Seishiro; and Kanai, Shigeru, to Tachi-S Co., Ltd. Height adjusting device for automotive seat. 4,834,333, 5-30-89, Cl. 248-421.000.
Saito, Shigeki: *See—*
Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
Ishikura, Hisatsugu; and Saito, Shigeki, 4,802,543, Cl. 180-79.100.
Kawamura, Hideo; Tamai, Katsuyuki; Saito, Shigeki; and Yamanaka, Toshihiro, 4,833,887, Cl. 60-608.000.
Saito, Shigeo: *See—*
Yokota, Minoru; Nagata, Masayuki; Saito, Shigeo; and Yamada, Yuichi, 4,883,922, Cl. 174-125.100.
Saito, Shigeru: *See—*
Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
Saito, Shin: *See—*
Takeuchi, Kenichi; Saito, Shin; Araki, Shoji; and Nakayama, Atsushi, 4,881,253, Cl. 379-54.000.
Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, to Chisso Corporation. Cyclohexylphenylpyridazines. 4,818,429, 4-4-89, Cl. 252-299.610.
Saito, Shinichi; Inukai, Takashi; Inoue, Hiromichi; Miyazawa, Kazutoshi; and Ohno, Kouji, to Chisso Corporation. 3,6-diphenylpyridazines. 4,818,430, 4-4-89, Cl. 252-299.610.
Saito, Shinichi; Inoue, Hiromichi; Miyazawa, Kazutoshi; Ohno, Kouji; and Ushioda, Makoto, to Chisso Corporation. Optically active-2-methylbutyrate and materials using the same. 4,876,026, 10-24-89, Cl. 252-299.610.
Saito, Shinichi: *See—*
Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, 4,834,907, Cl. 252-299.650.
Inoue, Hiromichi; Inukai, Takashi; Ohno, Kouji; Miyazawa, Kazutoshi; and Saito, Shinichi, 4,865,763, Cl. 252-299.610.
Inukai, Takashi; Furukawa, Kenji; Terashima, Kanetsugu; and Saito, Shinichi, 4,820,444, Cl. 252-299.650.
Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, 4,816,181, Cl. 252-299.650.
Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,818,432, Cl. 252-299.660.
Miyazawa, Kazutoshi; Inukai, Takashi; Inoue, Hiromichi; Saito, Shinichi; and Ohno, Kouji, 4,886,622, Cl. 252-299.610.
Ohno, Kouji; Inoue, Hiromichi; Inukai, Takashi; Saito, Shinichi; and Miyazawa, Kazutoshi, 4,795,587, Cl. 252-299.610.
Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,827,052, Cl. 568-812.000.
Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,882,084, Cl. 252 299.660.
Saito, Shinichiro: *See—*
Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki. Magnetic recording medium. 4,803,131, 2-7-89, Cl. 428-694.000.
Saito, Shinji; Araki, Hiroaki; Ejiri, Kiyomi; Ogawa, Hiroshi; and Mizuno, Chiaki, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,806,417, 2-21-89, Cl. 428-323.000.
Saito, Shinji; Ogawa, Hiroshi; Matsufuji, Akihiro; and Tamai, Yasuo, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,820,581, 4-11-89, Cl. 428-323.000.
Saito, Shinji; Atsumi, Shigeru; and Tanaka, Sumio, to Kabushiki Kaisha Toshiba. Semiconductor memory device with testing of redundant memory cells. 4,860,260, 8-22-89, Cl. 365-201.000.
Saito, Shinji; Mizuno, Chiaki; Ono, Toshio; and Ogawa, Hiroshi, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,865,924, 9-12-89, Cl. 428-694.000.
Saito, Shinji: *See—*
Atsumi, Shigeru; Tanaka, Sumio; Saito, Shinji; and Otsuka, Nobauki, 4,879,689, Cl. 365-201.000.
Ogawa, Hiroshi; Saito, Shinji; Miura, Toshihiko; Yamazaki, Nobuo; and Araki, Hiroaki, 4,851,289, Cl. 428-329.000.
Ogawa, Hiroshi; Saito, Shinji; and Miura, Toshihiko, 4,863,793, Cl. 428-323.000.
Okuda, Taizo; Saito, Shinji; and Shishikura, Nobuo, 4,802,137, Cl. 365-201.000.
Sato, Yasuyuki; Saito, Shinji; and Yamauchi, Hidetoshi, 4,882,455, Cl. 174-68.500.
Suzuki, Hirokazu; Tahara, Akinori; and Saito, Shinji, 4,810,908, Cl. 307-480.000.
Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, 4,825,271, Cl. 357-23.500.
Tanaka, Sumio; Atsumi, Shigeru; and Saito, Shinji, 4,884,241, Cl. 365-210.000.
Saito, Shiro: *See—*
Tanaka, Hajime; and Saito, Shiro, 4,854,211, Cl. 84-240.000.
Tanaka, Hajime; and Saito, Shiro, 4,860,625, Cl. 84-236.000.
Saito, Shiuji: *See—*
Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Saito, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.
Saito, Shobu: *See—*
Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, 4,811,092, Cl. 358-105.000.
Saito, Shoichi: *See—*
Sakamoto, Yuzo; Koga, Hisashi; and Saito, Shoichi, 4,831,477, Cl. 360-99.060.
Saito, Shoichiro: *See—*
Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.
Saito, Shozo: *See—*
Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.
Saito, Shuichi; Kumazawa, Hisao; Tokiwa, Toru; and Yoshishige, Toshihisa, to Amada Company, Limited. Horizontal band saw machine. 4,805,500, 2-21-89, Cl. 83-277.000.
Saito, Shuichi: *See—*
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
Saito, Sigeo: *See—*
Mihara, Takahisa; and Saito, Sigeo, 4,814,913, Cl. 360-78.120.
Saito, Susumu: *See—*
Arimoto, Akira; Saito, Susumu; and Mochizuki, Takeshi, 4,806,951, Cl. 346-108.000.
Arimoto, Akira; Ojima, Masahiro; and Saito, Susumu, 4,811,348, Cl. 372-29.000.
Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,054, Cl. 123-571.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,841,137, Cl. 250-236.000.
Mochizuki, Takeshi; Arimoto, Akira; and Saito, Susumu, 4,882,483, Cl. 250-236.000.
Saito, Suzuo; and Higaki, Shigetoshi, to Kabushiki Kaisha Toshiba. Security apparatus for power converter. 4,819,121, 4-4-89, Cl. 361-85.000.
Saito, Suzuo: *See—*
Mose, Tadao; Hirata, Akio; Saito, Suzuo; and Kikuchi, Hidehiko, 4,818,890, Cl. 290-52.000.
Saito, Syozo: *See—*
Takizawa, Akio; and Saito, Syozo, 4,879,570, Cl. 343-713.000.
Saito, Syuichiro: *See—*
Tezuka, Nobuo; Date, Nobuaki; Saito, Syuichiro; and Kozuki, Suzumu, 4,825,302, Cl. 358-335.000.
Saito, Tadao: *See—*
Hosoda, Tomohiko; Nakanishi, Nobuyasu; Shibata, Hirochika; and Saito, Tadao, 4,870,390, Cl. 340-453.000.
Iizuka, Shigeo; and Saito, Tadao, 4,808,022, Cl. 401-176.000.
Saito, Tadashi; Nakamura, Hiroshi; and Tsunotani, Masanori, to OKI Electric Industry Co., Ltd. Method of manufacturing schottky gate field transistor by ion implantation method. 4,889,817, 12-26-89, Cl. 437-22.000.
Saito, Tadashi: *See—*
Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, 4,818,601, Cl. 428-297.000.

- Saito, Taizo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Deflection scanning optical system with reflecting sections. 4,823,002, 4-18-89, Cl. 250-235.000.
- Saito, Taizo: *See—*
  - Morimoto, Akira; Saito, Taizo; and Nakatsue, Takehiro, 4,850,686, Cl. 350-484.000.
- Saito, Takaharu, to Mitsubishi Denki Kabushiki Kaisha. Group supervising system for outdoor observatory elevator. 4,819,766, 4-11-89, Cl. 187-124.000.
- Saito, Takahiro: *See—*
  - Ebata, Genji; Tanabe, Koji; and Saito, Takahiro, 4,854,667, Cl. 350-96.200.
- Saito, Takanobu: *See—*
  - Aoki, Hiroyuki; Yahagi. Shinichiro; and Saito, Takanobu, 4,840,073, Cl. 73-862.360.
- Saito, Takanori: *See—*
  - Kato, Osami; and Saito, Takanori, 4,826,102, Cl. 242-192.000
- Saito, Takao: *See—*
  - Oishi, Masao; Saito, Takao; Nagata, Kouichi; Ishikawa, Katsukiyo; and Hisajima, Eio, 4,816,364, Cl. 430-108.000.
  - Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, 4,837,046, Cl. 427-38.000.
  - Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
  - Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, 4,864 568, Cl. 371-8.200.
- Saito, Takashi: *See—*
  - Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,800,482, Cl. 364-140.000.
  - Hosaka, Masao; Hasegawa, Shizuo; and Saito, Takashi, 4,811,047, Cl. 355-14.00E.
  - Hosaka, Masao; and Saito, Takashi, 4,839,699, Cl. 355-55.000.
  - Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,882,778, Cl. 364-187.000.
  - Kishi, Toru; and Saito, Takashi, 4,825,316, Cl. 360-97.020.
  - Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
  - Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.
  - Yoshikawa, Masao; Kobayashi, Tatsuya; and Saito, Takashi, 4,831,408, Cl. 346-157.000.
- Saito, Takasui: *See—*
  - Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, 4,882,478, Cl. 250-211.00R.
- Saito, Takayoshi: *See—*
  - Tsujimura, Osamu; Saito, Takayoshi; Arai, Tatsuo; and Funaki, Yasuzo, 4,808,045, Cl. 408-204.000.
  - Tsujimura, Osamu; Arai, Tatsuo; and Saito, Takayoshi, 4,844,669, Cl. 408-188.000.
- Saito, Takayuki: *See—*
  - Kobayashi, Akihiro; Fujita, Toshiyuki; Saito, Takayuki; Kawai, Hiromasa; Hosoi, Yutaka; and Shibata, Hideaki, 4,868,261, Cl. 526-262.000.
  - Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.
- Saito, Takeshi; and Takagaki, Hiromitsu, to Ricoh Company, Ltd. Developing device and developer supply device for the same. 4,821,075, 4-11-89, Cl. 355-3.0DD.
- Saito, Takeshi: *See—*
  - Hirooka, Hiroshi; Saito, Takeshi; and Urabe, Hirobumi, 4,843,671, Cl. 8-159.000.
  - Murano, Tadao; Hirata, Hisao; Hayakawa, Toshimitsu; and Saito, Takeshi, 4,841,622, Cl. 29-525.000.
- Saito, Taku; and Fujii, Yozo, to Konishiroku Photo Industry Co., Ltd. Optical correction device. 4,806,989, 2-21-89, Cl. 355-55.000.
- Saito, Taku: *See—*
  - Fujii, Yozo; and Saito, Taku, 4,796,059, Cl. 355-57.000.
- Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, to Kabushiki Kaisha Toshiba. Image sensors and methods of manufacturing same including semiconductor layer over entire substrate surface. 4,803,375, 2-7-89, Cl. 250-578.000.
- Saito, Tamio, to Kabushiki Kaisha Toshiba. Image sensors using a photo-sensing element array and matrix wires methods of manufacturing same. 4,808,833, 2-28-89, Cl. 250-578.000.
- Saito, Tamio; and Yosihara, Kunio, to Kabushiki Kaisha Toshiba. Semiconductor integrated circuit device. 4,878,098, 10-31-89, Cl. 357-68.000.
- Saito, Tasuku; and Kakiuchi, Shinichi, to Bridgestone Corporation. Solid golf ball. 4,858,924, 8-22-89, Cl. 273-62.000.
- Saito, Tatsuhiko; Takabatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, to Yamato Scientific Company, Limited. Continuous flow type homogenizer. 4,828,395, 5-9-89, Cl. 366-143.000.
- Saito, Tatsuya: *See—*
  - Iwata, Tetsuya; and Saito, Tatsuya, 4,819,112, Cl. 360-126.000.
- Saito, Teruo; Asai, Kuniaki; and Suzuki, Yasurou, to Sumitomo Chemical Company, Limited. Thermoplastic resin composition having an improved chemical resistance. 4,804,697, 2-14-89, Cl. 524-80.000.
- Saito, Teruo; Hayashida, Haruo; and Hieda, Kazuo, to Sumitomo Chemical Company, Limited. Aromatic polysulfone resin composition. 4,820,761, 4-11-89, Cl. 524-456.000.
- Saito, Tetsu: *See—*
  - Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenji; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.
  - Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
- Saito, Tetsuo, to Tachi-S Co., Ltd. Seat back rear structure. 4,796,954, 1-10-89, Cl. 297-452.000.
- Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,864,419, 9-5-89, Cl. 358-300.000.
- Saito, Tokukazu; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image read-out method and radiation image recording read-out apparatus. 4,814,618, 3-21-89, Cl. 250-327.200.
- Saito, Tokukazu; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image read-out method. 4,847,498, 7-11-89, Cl. 250-327.200.
- Saito, Tokukazu: *See—*
  - Tanaka, Hirosi; and Saito, Tokukazu, 4,831,256, Cl. 250-327.200.
- Saito, Tomoki: *See—*
  - Yamazaki, Tsuneo; Saito, Tomoki; and Ayabe, Hideo, 4,854,518, Cl. 242-56.900.
- Saito, Tomotaka; Murakami, Hiroaki; Fukushima, Yuhji; and Konishi, Masami, to Kabushiki Kaisha Toshiba. Super integration circuit device having a plurality of IC-chip equivalent regions formed on a single semiconductor substrate. 4,814,639, 3-21-89, Cl. 307-303.000.
- Saito, Toshiaki; Ueno, Chizuru; and Sunada, Fumiyuki, to Fuji Oil Company, Limited. Food filled soybean protein casing. 4,861,603, 8-29-89, Cl. 426-93.000.
- Saito, Toshihiko: *See—*
  - Furukawa, Nobuhiro; Saito, Toshihiko; Nakane, Ikuro; and Watanabe, Hiroshi, 4,820,599, Cl. 429-194.000.
  - Saito, Kazuo; Saito, Toshihiko; and Kishimoto, Ken, 4,840,558, Cl. 431-1.000.
- Saito, Toshiro: *See—*
  - Sakai, Seiya; Suzuki, Mitsuo; and Saito, Toshiro, 4,869,659, Cl. 425-135.000.
- Saito, Toshisada: *See—*
  - Shinjo, Katsumi, 4,881,395, Cl. 72-90.000.
- Saito, Toshiya: *See—*
  - Kusunoki, Masahiro; Saito, Toshiya; Okamura, Hiroshi; and Ohashi, Hiroshi, 4,845,576, Cl. 360-67.000.
- Saito, Toshiyuki; Okubo, Naofumi; Kaneko, Yoshiaki; and Tokumitsu, Yasuyuki, to Fujitsu Limited. Liquid cooling type high frequency solid state device. 4,796,155, 1-3-89, Cl. 361-385.000.
- Saito, Tsunenari; Ota, Kazuyuki; Suzuki, Tetsuyasu; Honda, Keiji; and Yamakami, Takahiko, to Sony Corporation. Method of manufacturing a resistor element. 4,825,535, 5-2-89, Cl. 29-613.000.
- Saito, Tsunenari: *See—*
  - Suehiro, Tsutomu; Uchiyama, Hitoshi; Inukai, Takahito; and Saito, Tsunenari, 4,858,016, Cl. 358-246.000.
- Saito, Tsutomu: *See—*
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.
- Saito, Tutomu; and Iwamoto, Akito, to Kabushiki Kaisha Toshiba. Color image reading apparatus with two color separation filters each having two filter elements. 4,827,335, 5-2-89, Cl. 358-75.000.
- Saito, Tutomu: *See—*
  - Yamamoto, Naofumi; Saito, Tutomu; and Sekizawa, Hidekazu, 4,806,780, Cl. 250-578.000.
- Saito, Yasuaki; and Harada, Tooru, to Murata Manufacturing Co., Ltd. Inlet type noise filter directly mounted to a PC board. 4,795,991, 1-3-89, Cl. 333-181.000.
- Saito, Yasuhiko: *See—*
  - Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.
- Saito, Yasuhisa; Kamio, Kunimasa; Kanagawa, Shuichi; and Shiomi, Yutaka, to Sumitomo Chemical Company, Limited. Thermosetting resin composition. 4,808,717, 2-28-89, Cl. 544-219.000.
- Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, to Sumitomo Chemical Company, Limited. Epoxy resin composition. 4,855,339, 8-8-89, Cl. 523-400.000.
- Saito, Yasuhisa; Kanagawa, Shuichi; Watanabe, Katsuya; and Kamio, Kunimasa, to Sumitomo Chemical Company, Ltd. Thermosettable imide compound and epoxy resin composition containing the same. 4,871,832, 10-3-89, Cl. 528-353.000.

- Saito, Yasuo; Shimizu, Koichi; and Seki, Yuji, to Kanto Seiki Co., Ltd. Device for measuring displacement. 4,833,919, 5-30-89, Cl. 73-313.000.
- Saito, Yasuo; Ozaki, Tadashi; and Masuda, Isao, to Kioritz Corporation. Crank. 4,838,116, 6-13-89, Cl. 74-595.000.
- Saito, Yasuo; and Nobuta, Yasuo, to Kabushiki Kaisha Toshiba. Method and system for acquiring computerized tomogram data. 4,850,004, 7-18-89, Cl. 378-4.000.
- Saito, Yasuo: *See—*
  - Hirata, Kimio; and Saito, Yasuo, 4,874,034, Cl. 165-9.100.
- Saito, Yoichi: *See—*
  - Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, 4,873,475, Cl. 318-489.000.
- Saito, Yoshifusa; Nakayama, Hiroshi; Fukui, Hisao; and Matsuoka, Naoya, to Hochiki Kabushiki Kaisha. Automatic fire extinguishing system. 4,821,805, 4-18-89, Cl. 169-5.000.
- Saito, Yoshihiko: *See—*
  - Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyotaka; and Mori, Hiroshi, 4,872,958, Cl. 204-98.000.
- Saito, Yoshihiro: *See—*
  - Endo, Makoto; and Saito, Yoshihiro, 4,814,834, Cl. 355-14.00D.
  - Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.
- Saito, Yoshikazu: *See—*
  - Hamma, Noritaka; Saito, Yoshikazu; Nishizawa, Toshio; and Katsumata, Takashi, 4,853,378, Cl. 514-167.000.
  - Ide, Akira; and Saito, Yoshikazu, 4,883,988, Cl. 307-443.000.
- Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, to Nippon Shokubai Kagaku Kogyo Co. Ltd.; and Nihon Joryu Kogyo Co., Ltd. Process for producing aromatic dicarboxylic acids. 4,831,189, 5-16-89, Cl. 562-408.000.
- Saito, Yoshinori: *See—*
  - Aoyagi, Yoshio; Kimura, Toshiyuki; and Saito, Yoshinori, 4,829,498, Cl. 369-45.000.
- Saito, Yoshio: *See—*
  - Kido, Keishiro; Saito, Yoshio; Koizumi, Takashi; and Seshimoto, Osamu, 4,801,434, Cl. 422-100.000.
  - Kido, Keishiro; and Saito, Yoshio, 4,873,059, Cl. 422-100.000.
  - Seshimoto, Osamu; Terashima, Masaaki; and Saito, Yoshio, 4,842,712, Cl. 204-416.000.
  - Shimai, Shunzo; Saito, Yoshio; Ando, Yawara; and Koseki, Takashi, 4,799,601, Cl. 220-21.00R.
  - Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
- Saito, Yoshiro: *See—*
  - Karita, Takeshi; Saito, Yoshiro; and Kuromatsu, Shunichiro, 4,846,932, Cl. 162-127.000.
- Saito, Yoshitane: *See—*
  - Hozumi, Kazuhiro; Arai, Masaru; and Saito, Yoshitane, 4,889,164, Cl. 137-625.640.
  - Nakanishi, Koji; Yoshino, Mituo; and Saito, Yoshitane, 4,854,346, Cl. 137-624.110.
- Saito, Youhei: *See—*
  - Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyouei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.
- Saito, Yuichi; and Kadoo, Fumio, to Asahi Glass Company Ltd. Liquid crystal display device with light shield of specific transmittance. 4,828,364, 5-9-89, Cl. 350-339.00F.
- Saito, Yuichi, to Ricoh Company, Ltd. Facsimile machine with a recording paper information memory. 4,839,737, 6-13-89, Cl. 358-257.000.
- Saito, Yuichi, to Ricoh Company, Ltd. Facsimile machine with a paper size adjustable proxy reception function. 4,855,839, 8-8-89, Cl. 358-296.000.
- Saito, Yuichi: *See—*
  - Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, 4,812,527, Cl. 525-250.000.
  - Yamamoto, Shoji; and Saito, Yuichi, 4,864,602, Cl. 379-100.000.
- Saito, Yusaku: *See—*
  - Nakano, Masaaki; Watanabe, Syoyu; Saito, Yusaku; and Iwata, Syuji, 4,841,290, Cl. 340-707.000.
- Saito, Yushi: *See—*
  - Yanagawa, Moriyuki; Ishida, Shunichi; Ogura, Ken; and Saito, Yushi, 4,877,496, Cl. 204-44.200.
- Saito, Yutaka; and Kasai, Masaji, to Kyowa Hakko Kogyo Co., Ltd. Process for producing 7-amino-6-demethyl-6-deoxytetracycline. 4,849,136, 7-18-89, Cl. 260-351.500.
- Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Motomichi; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kogyo Co., Ltd. 7-N,8-N-ethylenemitomycin 8-imines. 4,853,385, 8-1-89, Cl. 514-250.000.
- Saito, Yutaka: *See—*
  - Kasai, Masaji; Kanda, Yutaka; Kono, Motomichi; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,880,825, Cl. 514-409.000.
  - Kono, Motomichi; Kasai, Masaji; Saito, Yutaka; Morimoto, Makoto; and Ashizawa, Tadashi, 4,820,824, Cl. 548-422.000.
  - Sato, Takanori; Watanabe, Yasushi; Nakamura, Yasukazu; and Saito, Yutaka, 4,864,797, Cl. 52-725.000.
- Saito, Yuuichi: *See—*
  - Akiyama, Satoshi; and Saito, Yuuichi, 4,827,444, Cl. 364-787.000.
- Saito, Yuzuru; and Yoshida, Kokichi, to Takeda Chemical Industries, Ltd. Production of substituted acetylenic compounds. 4,871,868, 10-3-89, Cl. 549-416.000.
- Saitoh, Hachiro, to Nippon Petrochemicals Company, Limited. Active agent-containing laminated material. 4,808,454, 2-28-89, Cl. 428-42.000.
- Saitoh, Hidetoshi: *See—*
  - Maruyama, Iwao; and Saitoh, Hidetoshi, 4,887,955, Cl. 417-501.000.
- Saitoh, Hiromi: *See—*
  - Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
- Saitoh, Hiroshi; Noso, Kazunori; Kurami, Kunihiko; and Kishi, Norimasa, to Nissan Motor Company, Limited. System and method for calculating movement direction and position of an unmanned vehicle. 4,819,169, 4-4-89, Cl. 364-424.020.
- Saitoh, Hiroshi: *See—*
  - Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, 4,805,069, Cl. 361-226.000.
- Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, to Shionogi & Co., Ltd.; and Nisshin Chemical Co., Ltd. Acrylic copolymer and skin protective. 4,874,830, 10-17-89, Cl. 526-318.400.
- Saitoh, Junko, to NEC Corporation. Data recovery system capable of performing transaction processing in parallel with data recovery processing. 4,815,028, 3-21-89, Cl. 364-900.000.
- Saitoh, Keisha; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming thin film multi-layer structure member. 4,801,474, 1-31-89, Cl. 427-248.100.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Process for producing electroluminescent devices. 4,804,558, 2-14-89, Cl. 427-66.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited film. 4,812,328, 3-14-89, Cl. 427-69.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited film. 4,822,636, 4-18-89, Cl. 427-69.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Apparatus for forming deposited film. 4,834,023, 5-30-89, Cl. 118-730.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming a metal film on a substrate. 4,844,950, 7-4-89, Cl. 427-250.000.
- Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming a deposited film containing IN or SN. 4,865,883, 9-12-89, Cl. 427-255.300.
- Saitoh, Keishi: *See—*
  - Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.
- Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, to Canon Kabushiki Kaisha. Optical recording employing diacetylene compound and dye to change color and form pits. 4,863,832, 9-5-89, Cl. 430-281.000.
- Saitoh, Kenji: *See—*
  - Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,085, Cl. 430-130.000.
  - Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.
- Saitoh, Kouichi: *See—*
  - Nihei, Hideki; Miyashita, Kunio; Saitoh, Kouichi; and Yamashita, Seizi, 4,857,786, Cl. 310-156.000.
- Saitoh, Kunio; Ohtani, Tamio; and Kanaya, Yasuhiko, to Hitachi Seiko, Ltd. Board exchanging apparatus. 4,867,297, 9-19-89, Cl. 198-346.200.
- Saitoh, Kuniyuki: *See—*
  - Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kunivuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
  - Fukuda, Hiroyuki; Shigeta, Masatomo; Kaji, Hisatsugu; and Saitoh, Kuniyuki, 4,855,092, Cl. 264-29.500.
- Saitoh, Kyoichiro: *See—*
  - Konishi, Masataka; Saitoh, Kyoichiro; Ohkuma, Hiroaki; and Kawaguchi, Hiroshi, 4,868,117, Cl. 435-252.100.
  - Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.
- Saitoh, Makoto: *See—*
  - Konno, Tadashige; Nishida, Koji; and Saitoh, Makoto, 4,847,730, Cl. 361-306.000.
  - Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, 4,823,208, Cl. 360-46.000.
  - Takao, Shoji; Nakashima, Hiroshi; Tokumoto, Mako; Saitoh, Makoto; and Watanabe, Makoto, 4,855,159, Cl. 426-65.000.
  - Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, 4,882,180, Cl. 426-46.000.
- Saitoh, Manzoh: *See—*
  - Okuyama, Yasushi; and Saitoh, Manzoh, 4,835,597, Cl. 357-52.000.
- Saitoh, Masahiro: *See—*
  - Obata, Keiichi; Yoshida, Suguru; Saitoh, Masahiro; and Ono, Yoshinobu, 4,889,678, Cl. 264-313.000.

Saitoh, Masakatsu; Kumisawa, Yuko; Yamada, Jun; and Satoh, Kohzoh, to Hitachi, Ltd. Multipanel liquid crystal display device. 4,832,457, 5-23-89, Cl. 350-334.000.

Saitoh, Masatsugu, to Ikeda Bussan Co., Ltd. Seat control apparatus for vehicle. 4,809,180, 2-28-89, Cl. 364-424.050.

Saitoh, Masatsugu; and Ikeda, Chikamasa, to Ikeda Bussan Co., Ltd. Air support adjusting apparatus for seat of vehicle. 4,833,614, 5-23-89, Cl. 364-424.050.

Saitoh, Masayuki; Tanaka, Takaharu; Higuchi, Naoki; Hashimoto, Masaki; and Fukami, Harukazu, to Suntory Limited. Pyrrolidineamide derivative having anti-prolyl endopeptidase. 4,810,721, 3-7-89, Cl. 51[illegible]-422.000.

Saitoh, Masayuki: *See—*
- Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, 4,826,870, Cl. 514-422.000.
- Tanaka, Takaharu; Saitoh, Masayuki; Higuchi, Naoki; and Hashimoto, Masaki, 4,873,342, Cl. 548-518.000.

Saitoh, Mitsuhiro, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Liquid level detecting and indicating system with coil type measuring device. 4,799,047, 1-17-89, Cl. 340-618.000.

Saitoh, Shigeru; and Shimada, Masaki, to Kureha Kagaku Kogyo Kabushiki Kaisha. Apparatus for purifying crystals. 4,806,318, 2-21-89, Cl. 422-251.000.

Saitoh, Shiroh: *See—*
- Kaneko, Nagao; Wada, Moriyasu; Saitoh, Shiroh; and Honda, Hiroki, 4,886,068, Cl. 128-660.010.

Saitoh, Tadao: *See—*
- Inagaki, Hajime; and Saitoh, Tadao, 4,863,988, Cl. 524-315.000.

Saitoh, Tametsu: *See—*
- Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,803,492, Cl. 343-713.000.
- Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,849,766, Cl. 343-713.000.

Saitoh, Tatsuo: *See—*
- Mizutani, Futoshi; Kyogoku, Takeshi; Saitoh, Tatsuo; and Endoh, Shigeki, 4,875,918, Cl. 65-3.120.

Saitoh, Tomoji, to Yokohama Rubber Co., Ltd., The. Rubber compositions and hoses using the same. 4,851,469, 7-25-89, Cl. 524-566.000.

Saitoh, Yokuo: *See—*
- Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, 4,851,942, Cl. 360-103.000.
- Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Saitoh, Yoshihiro; Kondoh, Minoru; and Komatsu, Yukio, to Murata Kikai Kabushiki Kaisha. Driverless car travelling guide system. 4,855,656, 8-8-89, Cl. 318-587.000.

Saitoh, Yoshiro; and Tatsumi, Takashi, to Ciba-Geigy Corporation. Laminated panel having a stainless steel foil core and a process for producing the panel. 4,876,134, 10-24-89, Cl. 428-73.000.

Saitoh, Yuichi: *See—*
- Morioka, Shizuo; and Saitoh, Yuichi, 4,849,700, Cl. 324-427.000.
- Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Asahiro; Saitoh, Yuichi; and Yamaguchi, Youichi, 4,826,911, Cl. 524-526.000.

Saitoh, Yukio: *See—*
- Hayama, Kazuhide; and Saitoh, Yukio, 4,839,457, Cl. 528-86.000.

Saitoh, Yusaku: *See—*
- Watanabe, Shoyu; Nakano, Masaaki; Iwata, Shuji; Nakajima, Osamu; and Saitoh, Yusaku, 4,868,351, Cl. 178-19.000.

Saitoo, Shuuji; and Tokunaga, Yoshikatu, to Hitachi, Ltd. Cooling system for heating body. 4,862,321, 8-29-89, Cl. 361-385.000.

Saitor, Katuo: *See—*
- Oikawa, Katsuya; Egami, Hidemi; Saitor, Katuo; and Satomura, Hiroshi, 4,797,598, Cl. 315-85.000.

Saitou, Chikara: *See—*
- Eguchi, Hiroyoshi; Yamada, Norio; Kusuyama, Itaru; and Saitou, Chikara, 4,839,798, Cl. 364-200.000.

Saitou, Katumi: *See—*
- Hijiya, Toshinori; and Saitou, Katumi, 4,820,950, Cl. 310-90.500.

Saitou, Mikio: *See—*
- Taninaka, Hiroyuki; and Saitou, Mikio, 4,831,587, Cl. 365-104.000.

Saitou, Mitsuo; Urabe, Shigeharu; and Ozeki, Katsuhisa, to Fuji Photo Film Co., Ltd. Silver halide emulsions comprising hexagonal monodisperse tabular silver halide grains. 4,797,354, 1-10-89, Cl. 430-567.000.

Saitou, Norio; Okumura, Masahide; Komoda, Tsutomu; and Ooyama, Mitsuo, to Hitachi, Ltd. Charged particle beam lithography system. 4,829,444, 5-9-89, Cl. 364-468.000.

Saitou, Norio: *See—*
- Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.

Saitou, Satoshi, to Kabushiki Kaisha Toshiba. Endoscope with device for shape recognition. 4,834,070, 5-30-89, Cl. 128-6.000.

Saitou, Setsuo: *See—*
- Yamaguchi, Tetsuo; Saitou, Setsuo; and Mukushi, Toshimi, 4,828,997, Cl. 435-178.000.

Saitou, Shirou: *See—*
- Tanaka, Yoshio; and Saitou, Shirou, 4,877,964, Cl. 250-455.100.

Saitou, Susumu: *See—*
- Kubo, Kazuhiko; Saitou, Susumu; Usui, Akira; and Nagai, Hiroyuki, 4,861,941, Cl. 174-35.00R.

Saitou, Tadashi: *See—*
- Nishikawa, Seiichi; and Saitou, Tadashi, 4,866,624, Cl. 364-426.030.

Saitou, Yoshinobu. *See—*
- Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.

Saitou, Yoshio; and Sasaki, Katumaru, to Kabushiki Kaisha Toshiba. Portable apparatus. 4,846,536, 7-11-89, Cl. 312-72.000.

Saitou, Yoshio, to Kabushiki Kaisha Toshiba. Portable apparatus. 4,852,033, 7-25-89, Cl. 364-708.000.

Saitow, Yoshiaki: *See—*
- Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, 4,812,271, Cl. 264-63.000.

Saive, Roland: *See—*
- Bachl, Robert; Funk, Guido; Richter, Konrad; Hemmerich, Rainer; and Saive, Roland, 4,831,090, Cl. 526-116.000.

Saiwai, Kazuhiko: *See—*
- Tomita, Osamu; Saiwai, Kazuhiko; and Kimura, Akira, 4,856,325, Cl. 73-150.00A.

Sajben, Miklos, to McDonnell Douglas Corporation. Normal shock locator. 4,879,895, 11-14-89, Cl. 73-4.00R.

Sajdak, Edward, Jr. Storage boot and method for flushing outboard motors. 4,869,695, 9-26-89, Cl. 440-88.000.

Saji, Ikutaro: *See—*
- Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, 4,812,461, Cl. 514-278.000.

Saji, Keiichi: *See—*
- Takahashi, Hideaki; Kondo, Haruyoshi; and Saji, Keiichi, 4,844,788, Cl. 204-406.000.

Saji, Kosaburo; Yamamoto, Shigeru; and Imai, Katsuhiko, to Nippon Electric Glass Company, Limited. Translucent glass brick made of opal glass with light diffusible crystal particles. 4,887,404, 12-19-89, Cl. 52-306.000.

Saji, Mikio: *See—*
- Hoshino, Akira; Saji, Mikio; and Fujii, Shigeaki, 4,863,987, Cl. 524-293.000.
- Hoshino, Akira; Saji, Mikio; and Yamaguchi, Isamu, 4,880,852, Cl. 523-102.000.

Saji, Miyuki: *See—*
- Tsuji, Michiru; Konno, Chisato; and Saji, Miyuki, 4,841,479, Cl. 364-900.000.

Saji, Yoshiaki: *See—*
- Hiraga, Kentaro; and Saji, Yoshiaki, 4,879,293, Cl. 514-249.000.

Saji, Yoshiro; and Tada, Eiichi, to Saji, Yoshiro; and Koatsu Gas Kogyo Co., Ltd. Superconductor for magnetic field shielding. 4,797,646, 1-10-89, Cl. 335-301.000.

Saji, Yoshiro; Tada, Eichi; Toda, Hiroaki; and Kawahara, Yoshiaki, to Saji, Yoshiro; and Koatsu Gas Kogyo Co., Ltd. Superconductor for magnetic field shielding. 4,803,452, 2-7-89, Cl. 335-301.000.

Sajiki, Seigo, to Yutaka Electric Company, Ltd. Apparatus for automatic positioning of printing film on base film. 4,835,401, 5-30-89, Cl. 250-548.000.

Saka, Manami, to Minolta Camera Kabushiki Kaisha. Single collimator lens. 4,863,248, 9-5-89, Cl. 350-432.000.

Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, to Daido Tokushuko Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisha. High-strength steel for valve springs, process for producing the steel, and valve springs made of the same. 4,795,609, 1-3-89, Cl. 420-109.000.

Saka, Tsutomu; Iikubo, Tomohito; and Ito, Yukio, to Daido Tokushuko Kabushiki Kaisha; and Honda Giken Kogyo Kabushiki Kaisha. Process for producing steel for valve springs. 4,810,287, 3-7-89, Cl. 75-49.000.

Saka, Tsutomu: *See—*
- Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi, Toshiki, 4,883,027, Cl. 123-90.160.

Saka, Yasuhiko, to Ricoh Company, Ltd. Color overhead projector. 4,839,731, 6-13-89, Cl. 358-296.000.

Saka, Yasuhiko: *See—*
- Nakamura, Takuma; and Saka, Yasuhiko, 4,851,924, Cl. 358-296.000.

Sakabata, Nobuharu: *See—*
- Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, 4,805,419, Cl. 62-476.000.

Sakabe, Akira: *See—*
- Kashima, Takayuki; Sakabe, Akira; and Yamanaka, Yoshifumi, 4,876,433, Cl. 219-130.510.

Sakabe, Nobuyuki: *See—*
- Miyabayashi, Toshio; Sakabe, Nobuyuki; and Zen, Shinichiro, 4,861,851, Cl. 526-255.000.

Sakabe, Shigetomo: *See—*
- Sato, Kensaku; and Sakabe, Shigetomo, 4,847,992, Cl. 29-863.000.

Sakabe, Yukio: *See—*
- Fujino, Masaru; Nishioka, Goro; and Sakabe, Yukio, 4,859,641, Cl. 501-136.000.
- Kittaka, Toshihiko; Ando, Akira; and Sakabe, Yukio, 4,876,476, Cl. 310-320.000.
- Nishioka, Goro; and Sakabe, Yukio, 4,816,429, Cl. 501-135.000.
- Sano, Harunobu; Ichikawa, Hiroaki; Nishioka, Goro; and Sakabe, Yukio, 4,820,670, Cl. 501-136.000.
- Sano, Harunobu; Sakabe, Yukio; and Nishioka, Goro, 4,875,136, Cl. 361-321.000.
- Takagi, Horoshi; Mori, Yoshiaki; and Sakabe, Yukio, 4,800,459, Cl. 361-321.000.

Sakae, Masahiko: *See—*
- Yamamoto, Kiyonori; Sota, Osamu; Sakae, Masahiko; Makiura, Yoshinori; Murakami, Masahiro; and Mitsuya, Toshiyuki, 4,861,017, Cl. 271-258.000.

Sakae Ringyo Co., Ltd.: *See—*
- Chonan, Yoshiya, 4,887,828, Cl. 280-280.000.

Sakae, Shigeru: *See—*
- Kiyohara, Kazuto; Hagiwara, Toshiyuki; Nakadate, Takanori; Harada, Ichiya; Noguchi, Kentaro; Sakae, Shigeru; and Okuma, Kazuhiro, 4,877,819, Cl. 523-200.000.

Sakagami, Atsushi; Futami, Toru; Abe, Noriyuki; and Suzuki, Tadashi, to Nissan Motor Company, Limited. Network system. 4,799,218, 1-17-89, Cl. 370-85.000.

Sakagami, Kenji: *See—*
- Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.

Sakagami, Masaharu: *See—*
- Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.

Sakagami, Masahiko: *See—*
- Kawai, Hideki; Fujii, Masaru; Ohta, Kiyoto; and Sakagami, Masahiko, 4,821,299, Cl. 377-69.000.

Sakagami, Teruo; and Fujii, Yasufumi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Resin-made heat-resistant optical fiber. 4,826,284, 5-2-89, Cl. 350-96.340.

Sakagami, Toshio, to Olympus Optical Co., Ltd. Automatic sample delivery apparatus for use in automatic chemical analyzer. 4,849,176, 7-18-89, Cl. 422-64.000.

Sakagami, Wataru, to Canon Kabushiki Kaisha. An information recording apparatus for recording a directory information unit on a single recording track of a recording medium based on the number of directory information units previously recorded in the single recording track. 4,868,806, 9-19-89, Cl. 369-58.000.

Sakagami, Wataru, to Canon Kabushiki Kaisha. Apparatus for recording and/or reproducing information data and a signal for synchronizing the same. 4,870,634, 9-26-89, Cl. 369-47.000.

Sakagami, Wataru; and Iijima, Katsumi, to Canon Kabushiki Kaisha. Method for recording indicia for indicating presence or absence of error in medium after error checking and apparatus therefor. 4,872,154, 10-3-89, Cl. 369-54.000.

Sakagawa, Hiroaki; and Satsukawa, Hideaki, to Koito Manufacturing Co., Ltd. Motor vehicle combination lamp. 4,868,725, 9-19-89, Cl. 362-231.000.

Sakaguchi, Akira; Uchibe, Hisashi; and Tange, Toshiyuki, to Kawasaki Jukogyo Kabushiki Kaisha. Apparatus for assembling a structural panel in order to prevent the sag thereof. 4,856,700, 8-15-89, Cl. 228-5.100.

Sakaguchi, Hironao; Yoshida, Masaji; and Matsuo, Yasutoshi, to Victor Company of Japan, Ltd. Noise reducing circuit of a video signal. 4,860,105, 8-22-89, Cl. 358-167.000.

Sakaguchi, Katsuyoshi: *See—*
- Hasegawa, Akira; and Sakaguchi, Katsuyoshi, 4,813,861, Cl. 425-28.100.
- Hasegawa, Akira; Sakaguchi, Katsuyoshi; and Katayama, Hideaki, 4,846,649, Cl. 425-33.000.

Sakaguchi, Keizo: *See—*
- Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.

Sakaguchi, Kiyonori; Takaiwa, Makio; and Suzuki, Akira, to Sony Corporation. Disk cartridge. 4,847,826, 7-11-89, Cl. 369-270.000.

Sakaguchi, Masaaki; Usui, Mitsunobu; and Takagi, Akira, to Fuji Photo Film Co., Ltd. Method and device for winding magnetic tape using magnetic alignment. 4,817,884, 4-4-89, Cl. 242-67.10R.

Sakaguchi, Masaaki; and Kiuchi, Seiji, to Fuji Photo Film Co., Ltd. Device for winding magnetic tape using magnetic alignment. 4,828,196, 5-9-89, Cl. 242-67.10R.

Sakaguchi, Masaaki; and Wakatsuki, Keisuke, to Fuji Photo Film Co., Ltd. Method and device for winding magnetic tape using magnetic alignment. 4,828,197, 5-9-89, Cl. 242-67.10R.

Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, to Fuji Photo Film Co., Ltd. Method and device for winding magnetic tape using magnetic alignment. 4,844,370, 7-4-89, Cl. 242-67.10R.

Sakaguchi, Masaaki; and Usui, Mitsunobu, to Fuji Photo Film Co., Ltd. Magnetic tape loading method and apparatus. 4,846,420, 7-11-89, Cl. 242-76.000.

Sakaguchi, Masaaki; Kita, Akihisa; and Wakatsuki, Keisuke, to Fuji Photo Film Co., Ltd. Magnetic tape winding method and apparatus. 4,863,110, 9-5-89, Cl. 242-56.00R.

Sakaguchi, Masaaki; and Usui, Mitsunobu, to Fuji Photo Film Co., Ltd. Magnetic tape winding device. 4,867,388, 9-19-89, Cl. 242-67.10R.

Sakaguchi, Masaaki: *See—*
- Chikamasa, Hiroshi; Takagi, Akira; and Sakaguchi, Masaaki, 4,796,824, Cl. 242-76.000.
- Hayashi, Youichi; Kubota, Kazuo; and Sakaguchi, Masaaki, 4,870,291, Cl. 250-570.000.
- Kubota, Kazuo; and Sakaguchi, Masaaki, 4,838,496, Cl. 242-67.10R.
- Kubota, Kazuo; and Sakaguchi, Masaaki, 4,842,210, Cl. 242-67.10R.

Sakaguchi, Masakazu: *See—*
- Shiraishi, Shuji; Sakaguchi, Masakazu; and Nishihara, Takashi, 4,860,847, Cl. 180-197.000.

Sakaguchi, Masatoshi; and Sakaue, Osamu, to Brother Kogyo Kabushiki Kaisha. Thermal transfer recording apparatus having erasing function. 4,831,387, 5-16-89, Cl. 346-76.0PH.

Sakaguchi, Masayuki: *See—*
- Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.

Sakaguchi, Minoru: *See—*
- Suzuyama, Hiroshi; Suzuki, Yoshirou; and Sakaguchi, Minoru, 4,862,319, Cl. 361-341.000.
- Suzuyama, Hiroshi; Sakaguchi, Minoru; and Mikami, Osamu, 4,888,458, Cl. 200-400.000.

Sakaguchi, Seiichiro: *See—*
- Koyama, Kazuhito; Sugita, Shigehisa; Sakaguchi, Seiichiro; Seiki, Nobuhiro; and Hanzawa, Asao, 4,861,348, Cl. 48-94.000.
- Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, 4,820,594, Cl. 429-17.000.

Sakaguchi, Seiji: *See—*
- Masui, Shiochi; Tano, Shunichi; Sakaguchi, Seiji; and Funabashi, Motohisa, 4,868,763, Cl. 364-513.000.

Sakaguchi, Shinji; and Tan, Shiro, to Fuji Photo Film Co., Ltd. Light-sensitive resin composition with 1,2-napthoquinone diazide compound having spirobichroman or spirobiinoane ring. 4,883,739, 11-28-89, Cl. 430-192.000.

Sakaguchi, Shozaburo, to Pioneer Electronic Corporation. Pictorial information source system. 4,796,100, 1-3-89, Cl. 358-342.000.

Sakaguchi, Tomoko: *See—*
- Maekawa, Takashige; Oharu, Kazuya; and Sakaguchi, Tomoko, 4,859,754, Cl. 526-245.000.

Sakaguchi, Touru; Takahashi, Akira; and Ueno, Akira, to Ricoh Company, Ltd. Photometer for use in a camera. 4,809,031, 2-28-89, Cl. 354-429.000.

Sakaguchi, Yasunobu: *See—*
- Nishimura, Mizuho; Watase, Nobuo; Sakaguchi, Yasunobu; and Kogane, Mikio, 4,862,779, Cl. 83-123.000.

Sakaguchi, Yasuo: *See—*
- Seo, Ikuo; Sakaguchi, Yasuo; and Kashiwadate, Ken, 4,863,708, Cl. 423-447.200.

Sakaguchi, Yoshikazu, to Aisin-Warner Kabushiki Kaisha. Hydraulic control system for automatic transmission. 4,829,853, 5-16-89, Cl. 74-869.000.

Sakaguchi, Yoshikazu; Taga, Yutaka; and Kashihara, Yuji, to Aisin-Warner Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Hydraulic control device for automatic transmissions. 4,840,092, 6-20-89, Cl. 74-869.000.

Sakaguchi, Yoshikazu: *See—*
- Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.
- Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, 4,854,195, Cl. 74-867.000.

Sakaguchi, Yuji, to Bridgestone Corporation. Flexible tubular wall actuator with end-mounted strain gauge. 4,860,639, 8-29-89, Cl. 92-5.00R.

Sakaguichi, Keizo: *See—*
- Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.

Sakahara, Chisato: *See—*
- Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomichi, Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,719, Cl. 430-58.000.

Sakai, Akihiko: *See—*
- Uno, Motoo; Takeuchi, Ikuo; Honma, Kazuo; and Sakai, Akihiko, 4,813,339, Cl. 91-459.000.

Sakai, Akira: *See—*
- Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,873,125, Cl. 427-248.100.
- Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,877,650, Cl. 427-248.100.
- Nakagawa, Katsumi; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Kanai, Masahiro, 4,851,302, Cl. 428-658.000.
- Nakagawa, Katsumi; Kanai, Masahiro; Ishihara, Shunichi; Arao, Kozo; Fujioka, Yasushi; Sakai, Akira; and Murakami, Tsutomu, 4,888,062, Cl. 136-258.000.
- Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.

Sakai, Akiyoshi: *See—*
- Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

Sakai, Atsushi: *See—*
- Nagamine, Masashi; Hiraga, Kunikazu; Sakai, Atsushi; and Uchida, Matazaemon, 4,816,475, Cl. 514-435.000.

Sakai, Chemical Ind.: *See—*
- Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Sakai Chemical Industry Co., Ltd.: *See—*
- Fujita, Kohtaroh; Wachi, Toshio; and Ikeda, Yoshiaki, 4,873,351, Cl. 556-76.000.

Kohtaroh, Fujita; Toshio, Wachi; and Hitomi, Nakano, 4,830,731, Cl. 208-113.000.

Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.

Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.

Sakai, Eiichi; Okuyama, Yuki; Fujimaki, Yoshihide; Yamazaki, Toshinori; and Ikeuchi, Satoru, to Konica Corporation. Imaging member having an amorphous silicon surface layer. 4,868,078; 9-19-89, Cl. 430-67.000.

Sakai, Eiichi: *See—*

Yamazaki, Toshinori; Sakai, Eiichi; Nakanishi, Tatsuo; and Nomori, Hiroyuki, 4,859,554, Cl. 430-58.000.

Sakai: Fukumi: *See—*

Urushizaki, Sueo; Ohta, Yasuo; Sato, Mamoru; Sakai: Fukumi; and Nishiyama, Koushi, 4,877,730, Cl. 435-132.000.

Sakai, Fumiki: *See—*

Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.

Sakuhara, Toshihiko; Sakai, Fumiki; and Uchiyama, Tetsuo, 4,827,435, Cl. 250-306.000.

Sakai, Fumio: *See—*

Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.

Sakai, Haruki: *See—*

Nakagawa, Koji; Takagi, Takeo; Abe, Yoshiaki; and Sakai, Haruki, 4,877,370, Cl. 415-148.000.

Sakai, Hideyuki. Process and system for electrodeposition coating. 4,812,211, 3-14-89, Cl. 204-180.200.

Sakai, Hiroo: *See—*

Ohsaka, Yohnosuke; Takaki, Shoji, and Sakai, Hiroo, 4,886,581, Cl. 203-80.000.

Sakai, Hiroshi: *See—*

Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, 4,873,156, Cl. 429-31.000.

Sakai, Hiroyoshi: *See—*

Takasugi, Hisashi; Kuno, Atsushi; Sakai, Hiroyoshi; Sugiyama, Yoshie; and Takaya, Takao, 4,831,030, Cl. 514-252.000.

Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, 4,857,527, Cl. 514-237.200.

Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, to Tokyo Electron Limited. Method of ashing layers, and apparatus for ashing layers. 4,812,201, 3-14-89, Cl. 156-643.000.

Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, to Hoya Corporation. Method of adjusting refractive index distribution lenses. 4,844,724, 7-4-89, Cl. 65-3.110.

Sakai, Hiroyuki; Ohmi, Shigeaki; Yoneda, Yoshitaka; and Asahara, Yoshiyuki, to Hoya Corporation. Process for producing optical glass. 4,851,024, 7-25-89, Cl. 65-3.140.

Sakai, Hiroyuki: *See—*

Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,805,997, Cl. 350-413.000.

Kameyama, Shuichi; Komeda, Tadao; Kobushi, Kazuhiro; and Sakai, Hiroyuki, 4,839,302, Cl. 437-31.000.

Miyagawa, Fumio; Sakai, Hiroyuki; and Takenouchi, Toshikazu, 4,890,155, Cl. 357-74.000.

Takemoto, Toyoki; Kawakita, Kenji; and Sakai, Hiroyuki, 4,814,287, Cl. 437-62.000.

Sakai, Isao: *See—*

Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamamiya, Hideki; and Sakai, Isao, 4,827,235, Cl. 335-297.000.

Mizoguchi, Tetsuhiko; Sakai, Isao; Niu, Hiromi; and Inomata, Koichiro, 4,859,254, Cl. 148-302.000.

Mizoguchi, Tetsuhiko; Inomata, Koichiro; Higuchi, Toru; and Sakai, Isao, 4,878,964, Cl. 148-302.000.

Sakai, Jiro: *See—*

Tanaka, Shigeo; Sakai, Jiro; Fukao, Tomohisa; Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,883,842, Cl. 525-240.000.

Sakai, Jun; Suzuki, Koji; and Higashiyama, Shunichi, to Brother Kogyo Kabushiki Kaisha. Photo and pressure sensitive recording media comprising an adhesive agent. 4,865,938, 9-12-89, Cl. 430-138.000.

Sakai, Jun: *See—*

Ishihara, Yasuoki; Obato, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,687, Cl. 420-13.000.

Nakai, Hitoshi; Yamamoto, Takemi; Sakai, Jun; and Fujii, Eiji, 4,825,256, Cl. 355-27.000.

Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.

Sangyoji, Kazuo; Sakai, Jun; Hayashi, Shigeyuki; Suzuki, Makoto; and Kimura, Yasuo, 4,875,074, Cl. 355-27.000.

Suenaga, Makoto; Obata, Fumio; Sakai, Jun; and Natsume, Takeshi, 4,889,688, Cl. 420-22.000.

Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiya, Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumoto, Yumio, 4,851,881, Cl. 335-27.000.

Sakai, Katsuhisa: *See—*

Murai, Takaaki; and Sakai, Katsuhisa, 4,841,017, Cl. 525-327.300.

Sakai, Katsuo; Muromachi, Tadahiko; and Sakai, Yukio, to Kisojiban Consultants Co., Ltd. Method and apparatus for investigating subsurface conditions. 4,806,153, 2-21-89, Cl. 73-151.000.

Sakai, Katsuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Electronic blackboard system. 4,803,564, 2-7-89, Cl. 358-294.000.

Sakai, Katsuyoshi: *See—*

Umehara, Seiji; and Sakai, Katsuyoshi, 4,797,106, Cl. 434-408.000.

Sakai, Kazuhiko: *See—*

Okada, Masao; Sakai, Kazuhiko; Kimura, Haruo; and Ikada, Yoshito, 4,878,907, Cl. 623-1.000.

Sakai, Kazunori: *See—*

Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.

Kishimoto, Masashi; Asami, Ken; and Sakai, Kazunori, 4,805,104, Cl. 364-426.010.

Sakai, Kazuo; Matsushima, Yuichi; and Utaka, Katsuyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Semiconductor optical switch. 4,795,225, 1-3-89, Cl. 350-96.130.

Sakai, Kazuo: *See—*

Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,805,975, Cl. 350-96.130.

Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, 4,852,108, Cl. 372-20.000.

Utaka, Katsuyuki; Sakai, Kazuo; Matsushima, Yuichi; and Akiba, Shigeyuki, 4,874,216, Cl. 350-96.190.

Sakai, Kenji; and Sugawara, Kazuo, to Seiko Epson Corporation. Apparatus for controlling a robot. 4,815,007, 3-21-89, Cl. 364-513.000.

Sakai, Kenji: *See—*

Inaba, Takao; Sakai, Kenji; Iida, Tadao; and Maki, Masahisa, 4,844,642, Cl. 401-213.000.

Sakai, Kikuo: *See—*

Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.

Ozeki, Takafumi; Sakai, Kikuo; and Fukushima, Noriyasu, 4,848,022, Cl. 43-23.000.

Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and Onishi, Junko, administratrix, 4,839,860, Cl. 365-104.000.

Sakai, Kiyokazu: *See—*

Osaki, Shigeyoshi; Sakai, Kiyokazu; and Uranishi, Kimiyoshi, 4,801,862, Cl. 324-585.000.

Osaki, Shigeyoshi; Sakai, Kiyokazu; and Fujii, Yoshihiko, 4,849,623, Cl. 250-225.000.

Sakai, Kiyomi: *See—*

Shirafuji, Tamio; and Sakai, Kiyomi, 4,879,422, Cl. 568-835.000.

Sakai, Kiyoshi: *See—*

Fujimura, Naoto; Sakai, Kiyoshi; and Okunuki, Masami, 4,835,079, Cl. 430-58.000.

Sakai, Koichi, to Hitachi, Ltd. Salient-pole rotary electric machine. 4,795,933, 1-3-89, Cl. 310-269.000.

Sakai, Kouichi: *See—*

Hirose, Masahiko; Kuratsuji, Takatoshi; Matsubayashi, Tooru; and Sakai, Kouichi, 4,844,987, Cl. 428-474.400.

Sakai, Kunihide, to Victor Company of Japan Ltd. Perpendicular magnetization type magnetic head having a magnetic pole part which forms a closed magnetic path. 4,803,582, 2-7-89, Cl. 360-119.000.

Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, to Canon Kabushiki Kaisha. Method for patterning electroconductive film and patterned electroconductive film. 4,835,083, 5-30-89, Cl. 430-130.000.

Sakai, Kunihiro: *See—*

Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.

Nishimura, Yukuo; Haruta, Masahiro; Hirai, Yutaka; Sakai, Kunihiro; and Matsuda, Hiroshi, 4,796,981, Cl. 350-353.000.

Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.

Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.

Sakai, Kunito; Tanaka, Sueyosi; Tutumi, Yasutugu; and Morita, Yutaka, to Mitsubishi Denki Kabushiki Kaisha. Tablet for resin-molding semiconductor devices. 4,826,931, 5-2-89, Cl. 525-523.000.

Sakai, Kunito: *See—*

Matsuda, Sadamu; Sakai, Kunito; and Takahama, Takashi, 4,812,420, Cl. 437-209.000.

Sakai, Mari, to Japan Gore-Tex, Inc. Wound dressing. 4,803,078, 2-7-89, Cl. 424-445.000.

Sakai, Mari: *See—*

Kikukawa, Hiroyasu; Shimoda, Eiji; Sakai, Mari; and Kitada, Fumiko, 4,875,908, Cl. 55-16.000.

Sakai, Masaaki; Ishihara, Sadao; and Shimoyama, Touma, to Minolta Camera Kabushiki Kaisha. Paper guide of printer for word-processor. 4,838,720, 6-13-89, Cl. 400-642.000.

Sakai, Masanori, to Johnan Seisakusho Co., Ltd. Apparatus for driving a curtain. 4,839,544, 6-13-89, Cl. 310-12.000.

Sakai, Masao, to Nippon Wiperblade Co., Ltd. Yoke member connecting device in windshield wiper. 4,795,288, 1-3-89, Cl. 403-24.000.

Sakai, Masao: *See—*

Ase, Hajime; Fujii, Satoshi; Nara, Hisao; and Sakai, Masao, 4,847,056, Cl. 423-240.000.

Sakai, Masato: *See—*

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Sakai, Masayuki: *See—*

Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, 4,811,148, Cl. 360-125.000.

Sakai, Michinori: *See—*

Nakagawa, Akira; and Sakai, Michinori, 4,882,359, Cl. 514-947.000.

Sakai, Minoru; and Adachi, Keiichi, to Fuji Photo Film Co., Ltd. Color photographic light-sensitive material comprising a combination of cyan couplers and UV absorbers. 4,865,957, 9-12-89, Cl. 430-505.000.

Sakai, Minoru: *See—*

Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.

Miyasaka, Nobuaki; Ikeda, Hideo; Sakai, Minoru; Ohno, Shigeru; and Mukunoki, Yasuo, 4,818,675, Cl. 430-567.000.

Takahashi, Osamu; Ogawa, Tadashi; Sakai, Minoru; and Toriuchi, Masaharu, 4,797,349, Cl. 430-372.000.

Sakai, Mitsugu: *See—*

Motoyama, Kazuyasu, Yanagida, Tsuneo; Sakai, Mitsugu; Ichikawa, Hitoshi; and Yoshizawa, Akihiko, 4,837,758, Cl. 369-13.000.

Sakai, Mitsunori, to Kabushiki Kaisha Neriki. Valve with residual pressure indicator for portable oxygen inhalant cylinder. 4,794,949, 1-3-89, Cl. 137-557.000.

Sakai, Mitsuru: *See—*

Nakagawa, Katsuji; Itoh, Masaki; Morimoto, Akio; and Sakai, Mitsuru, 4,839,208, Cl. 428-64.000.

Sakai, Morihiko: *See—*

Akao, Takeshi; Sakai, Morihiko; Ohsaki, Katsumichi; and Yamada, Muneki, 4,851,115, Cl. 210-189.000.

Sakai, Motohiro, to Tokai TRW & Co., Ltd. Joint. 4,880,329, 11-14-89, Cl. 403-134.000.

Sakai, Motoomi: *See—*

Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.

Sakai, Naomichi: *See—*

Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.

Sakai, Naotake, to Nikkiso Eiko Co., Ltd. Multiple magnet drive pump. 4,850,821, 7-25-89, Cl. 417-420.000.

Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, to Nisshin Steel Company, Ltd. Alloyed-zinc-plated steel sheet and process for preparing the same. 4,847,169, 7-11-89, Cl. 428-659.000.

Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, to Nisshin Steel Company, Ltd. Process for preparing alloyed-zinc-plated titanium-killed steel sheet having excellent deep-drawability. 4,878,960, 11-7-89, Cl. 148-127.000.

Sakai, Nobuo: *See—*

Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.

Ishikawa, Takatoshi; and Sakai, Nobuo, 4,845,016, Cl. 430-372.000.

Momoki, Yasuhito; Asami, Masahiro; Sakai, Nobuo; and Otani, Shigeaki, 4,853,321, Cl. 430-380.000.

Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,689, Cl. 430-548.000.

Sakai, Noriaki, to NEC Corporation. Vector mask operation control unit. 4,852,049, 7-25-89, Cl. 364-200.000.

Sakai, Norio: *See—*

Hayashi, Shoichi; Sakai, Norio; and Ishihara, Hidetoshi, 4,848,106, Cl. 68-19.100.

Sakai, Osamu: *See—*

Shinoda, Takashi; and Sakai, Osamu, 4,817,052, Cl. 365-104.000.

Sakai, Ritsuko. Portable food-constituent-amount display and calculating system, and device to operate the system. 4,855,945, 8-8-89, Cl. 364-709.020.

Sakai, Ryuichi: *See—*

Higa, Tatsuo; and Sakai, Ryuichi, 4,851,441, Cl. 514-551.000.

Higa, Tatsuo; Sakai, Ryuichi; and Lui, May S., 4,859,782, Cl. 549-267.000.

Sakai, Seiya; Suzuki, Mitsuo; and Saito, Toshiro, to Sumitomo Heavy Industries, Ltd. Toggle-type die-fastening apparatus. 4,869,659, 9-26-89, Cl. 425-135.000.

Sakai, Shigekazu, to Tokai Shoji Co., Ltd.; and Tokai Seiki Co., Ltd. Apparatus for applying an emulsion screen film of screen-printing. 4,876,957, 10-31-89, Cl. 101-128.400.

Sakai, Shigenori: *See—*

Masuzawa, Takahisa; and Sakai, Shigenori, 4,826,580, Cl. 204-129.430.

Sakai, Shigeru: *See—*

Takahashi, Yasuhito; Sakai, Shigeru; and Inoue, Yoshimasa, 4,845,068, Cl. 502-168.000.

Sakai, Shinji; Kawabata, Takashi; and Miyamoto, Ryosuke, to Canon Kabushiki Kaisha. Stepping motor drive device. 4,812,727, 3-14-89, Cl. 318-696.000.

Sakai, Shinji; and Takei, Masahiro, to Canon Kabushiki Kaisha. Solid-state image pickup apparatus having controllable means for eliminating surplus charge. 4,845,566, 7-4-89, Cl. 358-213.240.

Sakai, Shinji: *See—*

Fukushima, Nobuo; Okino, Tadashi; and Sakai, Shinji, 4,857,952, Cl. 354-452.000.

Jinnai, Shigeru; and Sakai, Shinji, 4,884,144, Cl. 358-228.000.

Kinoshita, Takao; and Sakai, Shinji. 4,811,105, Cl. 358-213.240.

Miyamoto, Ryosuke; and Sakai, Shinji, 4,823,185, Cl. 358-29.000.

Miyamoto, Ryosuke; and Sakai, Shinji, 4,860,113, Cl. 358-225.000.

Okino, Tadashi; and Sakai, Shinji, 4,833,536, Cl. 358-228.000.

Suga, Akira; Kinoshita, Takao; Sakai, Shinji; and Tojo, Akihiko, 4,821,105, Cl. 358-213.190.

Sakai, Shoji; and Nishimura, Shinichi, to Murata Kikai Kabushiki Kaisha. Method of and apparatus for spinning yarn. 4,845,932, 7-11-89, Cl. 57-5.000.

Sakai, Shoji; and Matsushima, Akio, to Murata Kikai Kabushiki Kaisha. Method for producing spun yarns. 4,848,072, 7-18-89, Cl. 57-261.000.

Sakai, Shunji; Kitagawa, Tohru; Suzuki, Kunikazu; and Watanabe, Naohiro, to Oki Electric Industry Co., Ltd. Device for merging plural sensor outputs onto a single conductor. 4,875,099, 10-17-89, Cl. 358-213.110.

Sakai, Shuzo: *See—*

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,803,077, Cl. 424-439.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,810,827, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,812,444, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,272, Cl. 426-331.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,816,445, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,826,825, Cl. 514-53.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,849,225, Cl. 424-439.000.

Mitsuhashi, Masakazu; Sakai, Shuzo; and Miyake, Toshio, 4,870,059, Cl. 514-53.000.

Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, 4,843,156, Cl. 536-127.000.

Sakai, Souichi; Nakano, Shoichi; and Kuwano, Yukinori, to Sanyo Electric Co., Ltd. Photovoltaic device. 4,824,488, 4-25-89, Cl. 136-244.000.

Sakai, Tadaaki, to Nissin Gourmet Beef Co., Ltd. Continuous quick freezing apparatus for food. 4,881,379, 11-21-89, Cl. 62-380.000.

Sakai, Tadamichi: *See—*

Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.

Sakai, Tadashi; Ogata, Shozo; and Naruse, Nobutaka, to Hoshizaki Electric Co., Ltd. Water supply system for ice making machine. 4,869,076, 9-26-89, Cl. 62-347.000.

Sakai, Takaaki; and Kuragano, Mitsuru, to Hitachi, Ltd. Method of producing composite steel body shaft. 4,815,521, 3-28-89, Cl. 164-496.000.

Sakai, Takahiro: *See—*

Hayakawa, Yoichi; Ito, Yasunobu; and Sakai, Takahiro, 4,827,807, Cl. 74-869.000.

Sakai, Takamasa, to Dainippon Screen Mfg. Co., Ltd. Method of heating semiconductor and susceptor used therefor. 4,798,926, 1-17-89, Cl. 219-10.430.

Sakai, Takamasa; and Muraoka, Yuusuke, to Dainippon Screen Mfg. Co., Ltd. Apparatus for heat treating substrates. 4,883,424, 11-28-89, Cl. 432-77.000.

Sakai, Takamasa: *See—*

Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, 4,849,608, Cl. 219-390.000.

Nakagawa, Keiji; Nakatani, Ikuyoshi; Sakai, Takamasa; and Muraoka, Yusuke, 4,803,948, Cl. 118-725.000.

Sakai, Takami: *See—*

Inokuchi, Haruhisa; and Sakai, Takami, 4,797,799, Cl. 363-37.000.

Sakai, Takanobu: *See—*

Kobayashi, Yoshinori; Tamura, Naoyuki; Sakai, Takanobu; and Yoshida, Yoshinori, 4,810,556, Cl. 428-152.000.

Sakai, Takashi; Kitayama, Hiroshi; Yamamoto, Masamitu; and Mino, Takashi, to Mitsubishi Acetate Co., Ltd.; and Uni-Charm Corp. Stick absorber for oral cavity. 4,826,433, 5-2-89, Cl. 433-136.000.

Sakai, Takashi, to Akebono Brake Industry Co., Ltd.; and Akebono Research and Development Centre Ltd. Safety device for a radiator cap. 4,872,584, 10-10-89, Cl. 220-201.000.

Sakai, Takashi: *See—*

Maehara, Toshifumi; and Sakai, Takashi, 4,867,509, Cl. 303-92.000.

Nakatani, Yukio; Ito, Akihiro; and Sakai, Takashi, 4,839,742, Cl. 358-296.000.

Sakai, Takeo: *See—*

Tanaka, Mitsugu; and Sakai, Takeo, 4,824,485, Cl. 106-22.000.

Sakai, Takeshi: *See—*

Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.

Sakai, Takuo. Process for preparing pectin. 4,835,262, 5-30-89, Cl. 536-2.000.

Sakai, Teizou: *See—*
- Kakimoto, Norihiro; Sakai, Teizou; and Sasaki, Yoshinori, 4,849,236, Cl. 426-322.000.

Sakai, Tomoki: *See—*
- Hidaka, Osafumi; Sakai, Tomoki; and Sakano, Toyoaki, 4,801,458, Cl. 424-443.000.

Sakai, Toshifumi: *See—*
- Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, 4,817,751, Cl. 180-233.000.

Sakai, Toshikazu; and Higomura, Makoto, to Canon Kabushiki Kaisha. Device for controlling positioning of an object. 4,888,536, 12-19-89, Cl. 318-592.000.

Sakai, Toshio: *See—*
- Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.

Sakai, Toshiyasu: *See—*
- Hara, Masahiro; Okamoto, Atutoshi; Sakai, Toshiyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu, 4,818,847, Cl. 235-455.000.
- Imai, Yasuhito; Okamoto, Atsutoshi; and Sakai, Toshiyasu, 4,864,112, Cl. 235-463.000.

Sakai, Toshiyuki, to Brother Kogyo Kabushiki Kaisha. Electronic typewriter with word correction function including pitch changing means. 4,818,125, 4-4-89, Cl. 400-63.000.

Sakai, Toshiyuki, to Brother Kogyo Kabushiki Kaisha. Typewriter having means for automatic indication of candidate correct word for misspelled word, and/or automatic correction of misspelled word. 4,818,131, 4-4-89, Cl. 400-63.000.

Sakai, Toshiyuki; Sasaki, Ryoichi; and Kumazawa, Hajime, to Brother Kogyo Kabushiki Kaisha. Electronic typewriter with a spelling check function and proper noun recognition. 4,830,521, 5-16-89, Cl. 400-63.000.

Sakai, Toshiyuki, to Minolta Camera Kabushiki Kaisha. Recirculating document feeding apparatus. 4,846,456, 7-11-89, Cl. 271-3.100.

Sakai, Toshiyuki; Okada, Yoshihiro; and Hyodo, Keiichiro, to Mita Industrial Co., Ltd. Color graphic image processing system involving data compression using reference samples. 4,853,767, 8-1-89, Cl. 358-78.000.

Sakai, Toshiyuki; and Sakata, Toshio, to Minolta Camera Kabushiki Kaisha. Image forming apparatus with jam removal mechanism. 4,878,087, 10-31-89, Cl. 355-207.000.

Sakai, Tsukasa: *See—*
- Katsura, Tatsuo; Maeda, Hideatsu; Sakai, Tsukasa; and Tsuda, Keishiro, 4,804,834, Cl. 250-211.00R.

Sakai, Tsunenori; Ishiguro, Toshio; and Ishihara, Takaya, to Idemitsu Petrochemical Co., Ltd. Method for the preparation of hydroxybenzoic acid. 4,814,495, 3-21-89, Cl. 562-424.000.

Sakai, Tsuneo, to Alps Electric Co., Ltd. FM stereo receiver. 4,833,715, 5-23-89, Cl. 381-17.000.

Sakai, Yakichi, to Hamamatsu Gasket Seisakusho Limited; and Nippon Gakki Seizo Kabushiki Kaisha. Metal gasket. 4,810,591, 3-7-89, Cl. 428-652.000.

Sakai, Yasuhito, to Fuji Jukogyo Kabushiki Kaisha. Control system of a selector mechanism for a continuously variable transmission. 4,809,564, 3-7-89, Cl. 74-689.000.

Sakai, Yasuhito; and Iijima, Yoichi, to Fuji Jukogyo Kabushiki Kaisha. Control valve for a continuously variable transmission. 4,838,836, 6-13-89, Cl. 474-28.000.

Sakai, Yasuhito; and Iijima, Yoichi, to Fuji Jukogyo Kabushiki Kaisha. Control system of a selector mechanism for a continuously variable transmission. 4,844,221, 7-4-89, Cl. 192-3.560.

Sakai, Yasuhito, to Fuji Jukogyo Kabushiki Kaisha. System for controlling the pressure of oil for a continuously variable transmission. 4,846,765, 7-11-89, Cl. 474-28.000.

Sakai, Yasuhito, to Fuji Jukogyo Kabushiki Kaisha. System for controlling the pressure of oil for a continuously variable transmission. 4,850,937, 7-25-89, Cl. 474-28.000.

Sakai, Yasuhito: *See—*
- Tezuka, Kazunari; and Sakai, Yasuhito, 4,827,804, Cl. 74-866.000.

Sakai, Yasuo; and Asai, Nobuteru, to Hitachi, Ltd. Apparatus for accessing a memory which has dedicated areas for separately storing addresses and character string data. 4,845,612, 7-4-89, Cl. 364-200.000.

Sakai, Yasuo; and Wada, Morihito, to NEC Home Electronics Ltd. Attaching device in a spring-charged dot printer. 4,882,987, 11-28-89, Cl. 101-13.040.

Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoaki; and Kiyohara, Akio, to Tosoh Corporation. Process for producing a light color high softening point hydrocarbon resin. 4,870,146, 9-26-89, Cl. 526-237.000.

Sakai, Yasushi: *See—*
- Tanaka, Koji; Takemoto, Katsuo; and Sakai, Yasushi, 4,857,617, Cl. 526-237.000.

Sakai, Yoshihiro: *See—*
- Furuta, Hideya; Sakai, Yoshihiro; Mamizuka, Mitsuru; and Fujieda, Fumitaka. 4,796,050, Cl. 355-4.000.

Sakai, Yoshikatsu; Nakai, Yasuo; Miyabe, Asao; and Kawano, Takafumi, to Yokogawa Electric Corporation. Self-tuning controller. 4,881,160, 11-14-89, Cl. 364-161.000.

Sakai, Yoshimi; and Satoh, Yoshiki, to TDK Corporation. Guard panel for tape cassettes and method and apparatus for manufacturing the same. 4,799,120, 1-17-89, Cl. 360-132.000.

Sakai, Yoshio: *See—*
- Ando, Takeki; Nakamura, Kiyoshi; Mine, Toshisuke; Inaba, Hiromi; Kurosawa, Toshiaki; Nakazato, Masao; and Sakai, Yoshio, 4,884,182, Cl. 363-37.000.
- Arabori, Noboru; Takahashi, Hideaki; Sakai, Yoshio; and Yoneda, Kenji, 4,852,694, Cl. 187-115.000.
- Honjyo, Shigeru; Minato, Osamu; Sakai, Yoshio; Yamanaka, Toshiaki; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,849,801, Cl. 357-51.000.
- Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
- Yamanaka, Toshiaki; Sakai, Yoshio; Hayashida, Tetsuya; Minato, Osamu; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,805,147, Cl. 365-154.000.
- Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.

Sakai, Yuichi, to Top Kogyo Co., Ltd. Hand tool. 4,882,959, 11-28-89, Cl. 81-416.000.

Sakai, Yuji: *See—*
- Sugaya, Toshihiro; Sakai, Yuji; and Yamada, Takehito, 4,851,933, Cl. 360-61.000.

Sakai, Yukio: *See—*
- Nojiri, Naohiro; Sakai, Yukio; and Iwakura, Tomoatsu, 4,812,437, Cl. 502-243.000.
- Sakai, Katsuo; Muromachi, Tadahiko; and Sakai, Yukio, 4,806,153, Cl. 73-151.000.

Sakaida, Atsuo, Chikaoka, Yasuji; Imoto, Yasuo; Iriguchi, Akira; and Ikezaki, Yoshiyuki, to Brother Kogyo Kabushiki Kaisha. Device for magnifying displacement of piezoelectric element or the like and method of producing same. 4,874,978, 10-17-89, Cl. 310-328.000.

Sakaida, Atsushi; Suzuki, Masanori; and Naito, Yoshihiro, to Nippondenso Co., Ltd. Apparatus for fixing cap on end of filter element. 4,795,524, 1-3-89, Cl. 156-498.000.

Sakaida, Shoji: *See—*
- Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-90.000.

Sakaino, Hiroshi: *See—*
- Tanuma, Jiro; Hayashi, Kuniharu; Katakura, Shinichi; and Sakaino, Hiroshi, 4,818,129, Cl. 400-323.000.

Sakaitani, Masahiro: *See—*
- Ohfune, Yasufumi; and Sakaitani, Masahiro, 4,803,292, Cl. 560-29.000.
- Ohfune, Yasufumi; and Sakaitani, Masahiro, 4,837,349, Cl. 556-420.000.

Sakaki, Hirokazu: *See—*
- Aono, Koichiro; and Sakaki, Hirokazu, 4,824,757, Cl. 430-169.000.
- Matsuo, Mamoru; Okuda, Yutaka; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,861,396, Cl. 148-439.000.
- Nakanishi, Haruo; and Sakaki, Hirokazu, 4,833,065, Cl. 430-276.000.
- Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,822,715, Cl. 430-155.000.
- Takamiya, Shuiti; and Sakaki, Hirokazu, 4,801,527, Cl. 430-166.000.

Sakaki, Hiroyuki: *See—*
- Kano, Hiroyuki; Yagi, Yuji; and Sakaki, Hiroyuki, 4,839,708, Cl. 357-26.000.

Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, to Canon Kabushiki Kaisha. Recording medium with non-porous ink-receiving layer. 4,877,680, 10-31-89, Cl. 428-332.000.

Sakaki, Mamoru: *See—*
- Hasegawa, Kenji; Higuma, Masahiko; Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; and Morohoshi, Naoya, 4,832,984, Cl. 427-161.000.
- Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
- Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.

Sakaki, Masaaki: *See—*
- Azuma, Kenkoku; and Sakaki, Masaaki, 4,861,620, Cl. 427-53.100.

Sakaki, Masaharu: *See—*
- Mizutani, Masato; Shiroshita, Masao; Sakaki, Masaharu; Okuda, Hiroki; and Mito, Nobuaki, 4,875,924, Cl. 71-92.000.

Sakaki, Toshiro: *See—*
- Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, 4,840,959, Cl. 514-355.000.

Sakaki, Yasunori; and Tagomori, Tsutomu, to Strapack Corporation. Band loading apparatus in a packaging machine. 4,845,928, 7-11-89, Cl. 53-589.000.

Sakaki, Yasunori; and Tagomori, Tsutomu, to Strapack Corporation. Band loading apparatus in a packaging machine. 4,885,901, 12-12-89, Cl. 53-589.000.

Sakakibara, Hideo: *See—*
- Fujiwara, Tatsuro; Watanabe, Hideyuki; and Sakakibara, Hideo, 4,804,749, Cl. 536-7.100.
- Fujiwara, Tatsuro; Yashiro, Tomoko; and Sakakibara, Hideo, 4,868,290, Cl. 336-7.100.

- Shuto, Satoshi; Ito, Hiromichi; Fukukawa, Kiyofumi; Sakakibara, Hideo; and Tsujino, Masatoshi, 4,797,479, Cl. 536-27.000.

Sakakibara, Hiroto: *See—*
- Nakasaki, Eiji; Tajima, Katsunori; Igarashi, Yasuo; and Sakakibara, Hiroto, 4,869,336, Cl. 180-196.000.

Sakakibara, Kazuo; Shimogawa, Toshiaki; Kuwakado, Satosi; Imai, Koji; and Ina, Toshikazu, to Nippon Soken, Inc. Device for moving up and down and tilting a headrest of a vehicle seat. 4,807,934, 2-28-89, Cl. 297-403.000.

Sakakibara, Keisuke: *See—*
- Tanemura, Fumikazu; Honda, Toru; Kajita, Yoshiharu; Kato, Katsuhiko; and Sakakibara, Keisuke, 4,849,383, Cl. 501-104.000.

Sakakibara, Kenji: *See—*
- Akao, Michitoshi; Sakakibara, Kenji; Katoh, Tokunori; and Sawaki, Yukichi, 4,868,602, Cl. 355-27.000.
- Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
- Onoda, Hiroshi; Sakakibara, Kenji; and Akao, Michitoshi, 4,798,485, Cl. 400-54.000.
- Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.
- Ueda, Masashi; Horaguchi, Yoichi; and Sakakibara, Kenji, 4,875,073, Cl. 355-27.000.
- Yamamoto, Takemi; Sakakibara, Kenji; and Ueda, Masashi, 4,806,982, Cl. 355-27.000.
- Yamamoto, Takemi; and Sakakibara, Kenji, 4,879,579, Cl. 355-235.000.

Sakakibara, Kouichi: *See—*
- Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Sakakibara, Kouzou: *See—*
- Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, 4,848,691, Cl. 242-58.100.

Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsuyuki; Morimoto, Yasuhiro; and Ishibe, Hiroshi, to Minolta Camera Kabushiki Kaisha. Still video adapter device detachable to a camera body. 4,823,199, 4-18-89, Cl. 358-335.000.

Sakakibara, Masaki: *See—*
- Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.

Sakakibara, Masayuki; and Nii, Yasushi, to Kirin Beer Kabushiki Kaisha. Process for producing optically active 2-phenoxypropionic acid. 4,803,301, 2-7-89, Cl. 562-471.000.

Sakakibara, Masayuki; Munezuka, Yuzi; and Kato, Shinichiro, to Kirin Beer Kabushiki Kaisha. Treating amnesia with a pyrrolidone derivative. 4,833,156, 5-23-89, Cl. 514-424.000.

Sakakibara, Mitsuhiko: *See—*
- Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru, Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.
- Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.
- Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.

Sakakibara, Naoji: *See—*
- Fukami, Masanobu; and Sakakibara, Naoji, 4,809,173, Cl. 364-424.050.
- Nakashima, Hiroshi; Sakakibara, Naoji; and Fushimi, Takehiko, 4,881,611, Cl. 180-79.100.

Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, to Nippon Soken, Inc. Semiconductor device. 4,819,037, 4-4-89, Cl. 357-4.000.

Sakakibara, Shigeru; and Kawamoto, Ryuici, to INAX Corporation. Steam sauna. 4,833,739, 5-30-89, Cl. 4-524.000.

Sakakibara, Shigeru: *See—*
- Kawamoto, Ryuichi; Sakakibara, Shigeru; Wakahara, Kazuyuki; and Nebashi, Ikutoshi, 4,869,427, Cl. 236-12.120.

Sakakibara, Shinsuke; and Kurakama, Tatsuo, to Fanuc Ltd. Tool position compensation method. 4,816,733, 3-28-89, Cl. 318-568.000.

Sakakibara, Shinsuke: *See—*
- Kishi, Hajimu; Sakakibara, Shinsuke; and Ishikawa, Haruyuki, 4,831,235, Cl. 219-125.120.

Sakakibara, Shiro; Miyaishi, Yoshinori; and Furuya, Takashi, to Aisin-Warner Kabushiki Kaisha. Endless transmission belt. 4,838,844, 6-13-89, Cl. 474-240.000.

Sakakibara, Shiro; and Hattori, Masashi, to Aisin-Warner Kabushiki Kaisha. Continuously variable transmission. 4,864,889, 9-12-89, Cl. 74-689.000.

Sakakibara, Shiro; Miyaishi, Yoshinori; and Kano, Yoshiaki, to Aisin-Aw Kabushiki Kaisha. Endless transmission belt. 4,878,887, 11-7-89, Cl. 474-245.000.

Sakakibara, Shiro: *See—*
- Miura, Masakatsu; and Sakakibara, Shiro, 4,841,804, Cl. 74-701.000.
- Miyaishi, Yoshinori; and Sakakibara, Shiro, 4,822,323, Cl. 474-242.000.

Sakakibara, Susumu: *See—*
- Nishise, Hideya; Sakakibara, Susumu; and Imaizumi, Masaru, 4,803,513, Cl. 355-3.0DD.

Sakakibara, Tadao: *See—*
- Futatsuka, Rensei; Chiba, Synu-ichi; and Sakakibara, Tadao, 4,877,577, Cl. 420-473.000.

Sakakibara, Takao: *See—*
- Kubota, Kazuhisa; Hirose, Hisashi; Sakakibara, Takao; Miyake, Yasuo; and Mizutani, Sinzi, 4,806,809, Cl. 310-75.00D.

Sakakibara, Takashi: *See—*
- Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,861,323, Cl. 474-260.000.
- Kobayashi, Toshimitsu; Inagaki, Akio; Kobayashi, Yasuhiro; Mori, Masanori; and Sakakibara, Takashi, 4,883,448, Cl. 474-260.000.

Sakakibara, Teigo: *See—*
- Goto, Koji; and Sakakibara, Teigo, 4,853,736, Cl. 355-210.000.
- Maruyama, Akio; Sakakibara, Teigo; and Hashimoto, Yuichi, 4,882,257, Cl. 430-100.000.

Sakakibara, Toshikazu: *See—*
- Kushida, Takeo; Taira, Susumu; Nagasaki, Wataru; Muramatsu, Hajime; and Sakakibara, Toshikazu, 4,843,877, Cl. 73-517.00R.

Sakakibara, Toshiyuki: *See—*
- Kinomura, Keisuke; Kitazawa, Sadaya; Takata, Yasushi; and Sakakibara, Toshiyuki, 4,874,852, Cl. 536-18.600.

Sakakibara, Yasuji: *See—*
- Maruyama, Toshio; Nakano, Hiroshi; and Sakakibara, Yasuji, 4,848,038, Cl. 51-281.00C.
- Yoneda, Takao; Yamauchi, Tadashi; and Sakakibara, Yasuji, 4,815,000, Cl. 364-474.340.

Sakakibara, Yasuyuki: *See—*
- Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl. 123-300.000.

Sakakibara, Yasuzo; Ueda, Ken-ichi; and Tomita, Kouji, to Idemitsu Petrochemical Co., Ltd. Process for producing trimellitic acid. 4,835,308, 5-30-89, Cl. 562-413.000.

Sakakibara, Yoshiaki: *See—*
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,836,981, Cl. 420-79.000.
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,844,865, Cl. 420-79.000.
- Shimada, Haruo; and Sakakibara, Yoshiaki, 4,861,543, Cl. 420-79.000.

Sakakibara, Yoshihito: *See—*
- Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.

Sakakibara, Yoshio; Akiyama, Ryo; Inatomi, Shoichi; and Ema, Noriyuki, to Matsushita Electric Industrial Co., Ltd. Apparatus for controlling rotation of a run length limited code modulated information recording medium. 4,864,553, 9-5-89, Cl. 369-50.000.

Sakakibara, Yosuke: *See—*
- Shimizu, Shotaro; and Sakakibara, Yosuke, 4,853,048, Cl. 148-300.000.

Sakakibara, Yutaka; Ueda, Hidetaka; and Majima, Kunio, to Yazaki Corporation. Pointer illuminating structure in measuring instrument. 4,860,170, 8-22-89, Cl. 362-26.000.

Sakakihara, Hisashi; and Sasaki, Shigeru, to Kabushiki Kaisha Toshiba. X-ray radiography apparatus. 4,796,285, 1-3-89, Cl. 378-173.000.

Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, to Matsushita Electric Industrial Co., Ltd. Magnetic nitride film. 4,836,865, 6-6-89, Cl. 148-306.000.

Sakakima, Hiroshi: *See—*
- Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.

Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, to Omron Tateisi Electronics Co. Slide switch. 4,841,109, 6-20-89, Cl. 200-302.100.

Sakakino, Takahiro; Yamashita, Masatsugu; and Honda, Sueaki, to Omron Tateisi Electronics Co. Compact pressure sensitive switch for use in detecting fluid pressure changes. 4,851,627, 7-25-89, Cl. 200-83.00C.

Sakakiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. System for controlling a transfer clutch of a four-wheel drive vehicle. 4,804,059, 2-14-89, Cl. 180-197.000.

Sakakiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. Control system for an automatic transmission. 4,829,852, 5-16-89, Cl. 74-866.000.

Sakakiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. Line pressure control system for an automatic transmission. 4,831,896, 5-23-89, Cl. 74-856.000.

Sakakiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. Power transmission system for a four-wheel drive vehicle. 4,836,322, 6-6-89, Cl. 180-247.000.

Sakakiyama, Ryuzo: *See—*
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,805,751, Cl. 192-0.076.
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,823,925, Cl. 192-0.076.
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,830,155, Cl. 192-0.052.
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,834,226, Cl. 192-0.033.
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,848,528, Cl. 192-0.032.
- Ohkumo, Hiroya; and Sakakiyama, Ryuzo, 4,848,544, Cl. 192-0.076.

Sakakura, Kouji: *See—*
- Matsui, Kenji; Yamashita, Tatsuo; Tanaka, Hideki; and Sakakura, Kouji, 4,846,497, Cl. 280-804.000.

Sakakura, Toshiyasu: *See—*
- Tanaka, Masato; Kobayashi, Toshiaki; and Sakakura, Toshiyasu, 4,820,823, Cl. 548-200.000.

Sakama, Hiroshi: *See—*
- Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, 4,848,272, Cl. 118-725.000.

- Ohmura, Masanori; Sakama, Hiroshi; and Araki, Kenji, 4,858,558, Cl. 118-725.000.
- Sakama, Mitsunori: *See—*
  - Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,820,612, Cl. 430-315.000.
  - Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,828,967, Cl. 430-315.000.
  - Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
  - Yamazaki, Shunpei; Inushima, Takashi; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; and Sakama, Mitsunori, 4,844,588, Cl. 350-339.00R.
  - Yamazaki, Shunpei; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; Sakama, Mitsunori; and Inushima, Takashi, 4,855,805, Cl. 357-58.000.
  - Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.
- Sakamaki, Hiroshi; Horikoshi, Yukio; and Tanzawa, Kenji, to Eagle Industry Co., Ltd. Vane pump with brittle vanes and rough finished housing surface. 4,799,867, 1-24-89, Cl. 418-1.000.
- Sakamaki, Hisashi: *See—*
  - Hosaka, Masao; Shimada, Kazutoshi; and Sakamaki, Hisashi, 4,857,960, Cl. 355-208.000.
  - Masuda, Shunichi; Shimizu, Katsuichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,811,051, Cl. 355-14.00C.
  - Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, 4,816,868, Cl. 355-14.00C.
  - Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,823,192, Cl. 358-256.000.
  - Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,878,130, Cl. 358-400.000.
- Sakamaki, Yosio; Ideshita, Yuji; Fujita, Fumiyoshi; and Sugiyama, Takashi, to Yoshida Industry Co., Ltd. Make-up tool and holder assembly. 4,883,079, 11-28-89, Cl. 132-318.000.
- Sakamaki, Yuuji: *See—*
  - Sakuma, Hiroshi; and Sakamaki, Yuuji, 4,848,035, Cl. 49-491.000.
- Sakami, Hiroshi: *See—*
  - Kawase, Kaoru; Sakami, Hiroshi; and Iida, Shozo, 4,839,318, Cl. 502-62.000.
- Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, to Seiko Instruments & Electronics Ltd. Data collection system having stationary unit with electromagnetic induction circuitry for bidirectionally relaying data. 4,839,854, 6-13-89, Cl. 364-900.000.
- Sakami, Yasuo: *See—*
  - Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.
- Sakamoto, Akifumi: *See—*
  - Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,821,175, Cl. 364-200.000.
  - Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,811,207, Cl. 364-200.000.
- Sakamoto, Atsushi; Harada, Shigeyuki; and Ohba, Toshihiro, to Sharp Kabushiki Kaisha. Electroluminescent panel driving system for driving the panel's electrodes only when non-blank data is present to conserve power. 4,823,121, 4-18-89, Cl. 340-781.000.
- Sakamoto, Chikara: *See—*
  - Miyata, Hirofumi; Kuchisubo, Katsushiro; and Sakamoto, Chikara, 4,869,706, Cl. 474-8.000.
- Sakamoto, Daiji: *See—*
  - Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, 4,845,543, Cl. 357-67.000.
- Sakamoto, Eiichi; Kaneko, Yutaka; Ninomiya, Hidetaka; Kamio, Takashi; Ezaki, Atsuo; Akamatsu, Hideo; and Haraga, Hideaki, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic material that is resistant to fogging during storage. 4,871,658, 10-3-89, Cl. 430-551.000.
- Sakamoto, Eiichi: *See—*
  - Miyoshi, Masanobu; Kajiwara, Makoto; Onodera, Kaoru; and Sakamoto, Eiichi, 4,839,263, Cl. 430-384.000.
  - Ogi, Keiji; Kamitakahara, Atsushi; Sakamoto, Eiichi; and Isozaki, Nariko, 4,868,102, Cl. 430-598.000.
- Sakamoto, Eiji: *See—*
  - Hatanaka, Katsunori; Abe, Naoto; Sakamoto, Eiji; and Saika, Toshihiro, 4,829,485, Cl. 365-239.000.
- Sakamoto, Haruo, to Du Pont de Nemours, E. I., and Company. IC-pack connector apparatus having ejecting function. 4,810,200, 3-7-89, Cl. 439-155.000.
- Sakamoto, Haruo: *See—*
  - Takai, Nobuei; Sakamoto, Haruo; Uekido, Kouzou; and Nishiyama, Michiaki, 4,838,814, Cl. 439-620.000.
- Sakamoto, Hideki: *See—*
  - Yokota, Tetsuya; Sakamoto, Hideki; and Takahashi, Naoto, 4,855,147, Cl. 426-43.000.
- Sakamoto, Hidenobu, to Mitsubishi Denki Kabushiki Kaisha. High frequency magnetic field generator for nuclear magnetic resonance. 4,857,849, 8-15-89, Cl. 324-318.000.
- Sakamoto, Hidenori: *See—*
  - Shimizu, Horoshi; Katsura, Yoshihiko; Sakamoto, Hidenori; and Kawatoko, Tsurayuki, 4,866,702, Cl. 370-60.000.
- Sakamoto, Hideo; and Tsugita, Hiroshi, to Sharp Kabushiki Kaisha. Method of testing semiconductor wafers. 4,875,002, 10-17-89, Cl. 324-73.00R.
- Sakamoto, Hideo: *See—*
  - Tahara, Kensuke; and Sakamoto, Hideo, 4,804,597, Cl. 429-197.00
- Sakamoto, Hideshi: *See—*
  - Daimon, Takashi; Sakamoto, Hideshi; and Adachi, Tatsuya, 4,857,377, Cl. 428-90.000.
- Sakamoto, Hiroaki: *See—*
  - Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kou Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, C 437-81.000.
- Sakamoto, Hiromitsu: *See—*
  - Tajima, Yukitoshi; Sakamoto, Hiromitsu; and Horiguchi, Nagisa 4,826,005, Cl. 206-310.000.
- Sakamoto, Hiroshi: *See—*
  - Harada, Koosuke; and Sakamoto, Hiroshi, 4,800,476, C 363-16.000.
  - Murakami, Haruhiko; Takeda, Hirofumi; and Sakamoto, Hiroshi 4,818,791, Cl. 525-124.000.
  - Yaguchi, Hiroshi; and Sakamoto, Hiroshi, 4,798,820, C 503-207.000.
- Sakamoto, Hirotaka: *See—*
  - Aoki, Hideki; Murata, Mitsuru; and Sakamoto, Hirotaka, 4,879,50 Cl. 318-809.000.
- Sakamoto, Hitoshi, to Sony Corporation. Video signal processing system. 4,835,620, 5-30-89, Cl. 358-327.000.
- Sakamoto, Itsuki: *See—*
  - Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isa 4,803,332, Cl. 219-121.520.
- Sakamoto, Junshin; Suzuki, Shun; and Tsushima, Akinori, to Hitachi Koki Company, Ltd. Clutch type tightening apparatus for allowing free adjustment of tightening force. 4,836,349, 6-6-89, Cl. 192-56.00R.
- Sakamoto, Katsuhiko; Hatamura, Kouichi; and Okino, Yoshinori, to Mazda Motor Corporation. Ignition timing control system for an internal combustion engine. 4,805,574, 2-21-89, Cl. 123-421.000.
- Sakamoto, Katsuji: *See—*
  - Itoh, Yasuhiro; Sakamoto, Katsuji; and Miyabe, Hideki, 4,828,4 Cl. 425-143.000.
- Sakamoto, Katsuyoshi; and Takahashi, Takeshi, to Amada Company Limited. Tool exchange apparatus. 4,843,704, 7-4-89, Cl. 29-568.00
- Sakamoto, Kazuho; Shitaya, Takao; Kusunoki, Shigeru; Maehara Naoyoshi; Niwa, Takashi; Matsumoto, Takahiro; and Bessyo, Daisuke, to Matsushita Electric Industrial Co., Ltd. Power feeding apparatus. 4,812,960, 3-14-89, Cl. 363-20.000.
- Sakamoto, Kazuho; Mihara, Makoto; Ohji, Kenzo; and Itou, Shuji, to Matsushita Electric Industrial Co., Ltd. Weight detecting apparatus 4,825,967, 5-2-89, Cl. 177-210.00C.
- Sakamoto, Kazuho: *See—*
  - Bessyo, Daisuke; Maehara, Naoyoshi; Sakamoto, Kazuho Kusunoki, Shigeru; and Matsumoto, Takahiro, 4,851,629, C 219-10.55B.
  - Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.
- Sakamoto, Kazushi: *See—*
  - Nakatani, Shoji; and Sakamoto, Kazushi, 4,870,569, C 364-200.000.
- Sakamoto, Keiji; and Kobayashi, Toshio, to Fanuc Ltd. Method for controlling a servomotor. 4,831,317, 5-16-89, Cl. 318-599.000.
- Sakamoto, Keiji; and Toyosawa, Yukio, to Fanuc Ltd. Velocity control system. 4,851,754, 7-25-89, Cl. 318-616.000.
- Sakamoto, Keiji: *See—*
  - Kiya, Nobuyuki; and Sakamoto, Keiji, 4,887,012, Cl. 318-434.00
  - Kurakake, Mitsuo; and Sakamoto, Keiji, 4,816,734, Cl. 318-615.00
  - Kurakake, Mitsuo; Sakamoto, Keiji; and Toyosawa, Yukio 4,859,920, Cl. 318-567.000.
  - Kurakake, Mitsuo; Sakamoto, Keiji; and Iwamoto, Takashi 4,873,476, Cl. 318-568.220.
  - Kurakake, Mitsuo; and Sakamoto, Keiji, 4,885,515, Cl. 318-567.00
  - Kurakake, Mitsuo; and Sakamoto, Keiji, 4,887,015, Cl. 318-609.00
  - Kurakake, Mitsuo; and Sakamoto, Keiji, 4,890,046, Cl. 318-630.00
  - Sogabe, Masatoyo; Okuda, Kanemasa; Sakamoto, Keiji; and Matsubara, Shunsuke, 4,882,528, Cl. 318-600.000.
- Sakamoto, Keijiro: *See—*
  - Kageyama, Hitoshi; Suzuki, Toshikazu; Sakamoto, Keijiro Kyogoku, Tetsuo; and Nino, Masayuki, 4,880,292, C 350-128.000.
- Sakamoto, Kenichi: *See—*
  - Ichikawa, Hachiro; Oguni, Masanori; Murase, Akira; Horita Hazuo; Sakamoto, Kenichi; and Kanehara, Mikio, 4,851,207, C 423-412.000.
- Sakamoto, Kenji; Ishikawa, Nobuo; and Hayakawa, Motomu, to Seiko Epson Corporation. Charging apparatus for an electronic device 4,873,677, 10-10-89, Cl. 368-204.000.
- Sakamoto, Kentaro: *See—*
  - Kita, Yuichi; Nakagawa, Koichi; Sakamoto, Kentaro; Fukui, Aki Baba, Masao; and Nakagawa, Yoichi, 4,851,547, Cl. 548-548.00
- Sakamoto, Kiichiro: *See—*
  - Hayashi, Ryoichi; Sakamoto, Kiichiro; and Terashita, Takaaki 4,797,712, Cl. 355-38.000.
  - Matsumoto, Fumio; Terashita, Takaaki; and Sakamoto, Kiichiro 4,827,109, Cl. 235-375.000.
  - Tahara, Syuji; Sakamoto, Kiichiro; Oshikoshi, Yuji; and Takagi, Kunio, 4,849,809, Cl. 358-75.000.
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.
  - Uchiyama, Kaoru; Ishizuka, Tetuya; and Sakamoto, Kiichiro, 4,887,116, Cl. 354-320.000.
  - Yamaguchi, Kiyoshi; Endo, Azuchi; and Sakamoto, Kiichiro, 4,876,567, Cl. 355-20.000.
- Sakamoto, Koichiro: *See—*
  - Ogawa, Minoru; Sakamoto, Koichiro; Tamura, Toshiyuki; and Katsuumi, Kazushige, 4,827,146, Cl. 250-578.000.
- Sakamoto, Koji; and Tanzawa, Misao, to Ricoh Company, Ltd. Image forming apparatus having a removable image forming process kit. 4,862,209, 8-29-89, Cl. 355-211.000.
- Sakamoto, Koji: *See—*
  - Tanzawa, Misao; Sakamoto, Koji; and Satoh, Mitsuru, 4,862,212, Cl. 355-3.00A.
- Sakamoto, Koozoo: *See—*
  - Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.
- Sakamoto, Kouzou: *See—*
  - Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.
- Sakamoto, Koya; Yoneda, Yutaka; Fujiwara, Naoki; and Takamoto, Shigehito, to Babcock Hitachi Kabushiki Kaisha. Fluidized bed combustor and a method of operating same. 4,828,486, 5-9-89, Cl. 431-170.000.
- Sakamoto, Manabu: *See—*
  - Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
  - Kuwabara, Akira; and Sakamoto, Manabu, 4,848,826, Cl. 296-97.230.
  - Okunau, Takeshi; Sakamoto, Manabu; and Kudo, Hiroaki, 4,830,599, Cl. 425-521.000.
- Sakamoto, Masaaki: *See—*
  - Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; and Watanabe, Tsukasa, 4,811,069, Cl. 357-30.000.
  - Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; Watanabe, Tsukasa; and Mouri, Mikio, 4,887,166, Cl. 358-471.000.
  - Masunaga, Hiroaki; Inoue, Hiroshi; Sakamoto, Masaaki; and Higashide, Norihiko, 4,863,340, Cl. 414-789.500.
  - Uchiyama, Akira; Masaki, Yuuichi; Iwabuchi, Toshiyuki; Nomoto, Tsutomu; and Sakamoto, Masaaki, 4,885,622, Cl. 357-30.000.
- Sakamoto, Masahide: *See—*
  - Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama, Takeshi; and Sasayama, Takao, 4,837,698, Cl. 364-431.070.
  - Manaka, Toshio; Teragakiuchi, Akira; Sakamoto, Masahide; Nagano, Masami; Fujishita, Masakatsu; and Miyake, Junji, 4,862,855, Cl. 123-489.000.
  - Suzuki, Toru; Sakamoto, Masahide; and Watanabe, Akihito, 4,799,380, Cl. 73-116.000.
- Sakamoto, Masahiko: *See—*
  - Zumoto, Nobuyuki; Sakamoto, Masahiko; and Hoshinouchi, Susumu, 4,879,473, Cl. 250-492.200.
- Sakamoto, Masahiro, to Canon Kabushiki Kaisha. Image reading means with controllable shading correction. 4,821,099, 4-11-89, Cl. 358-163.000.
- Sakamoto, Masahiro, to Canon Kabushiki Kaisha. Image reading apparatus with controlled correction for unevenness in illumination. 4,827,351, 5-2-89, Cl. 358-284.000.
- Sakamoto, Masahiro: *See—*
  - Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
- Sakamoto, Masanori; and Morozumi, Takuro, to Fuji Jukogyo Kabushiki Kaisha. Kick down control system. 4,841,939, 6-27-89, Cl. 123-494.000.
- Sakamoto, Masanori, to Fuji Jukogyo Kabushiki Kaisha. Malfunction detection of an engine exhaust gas recirculation system. 4,879,986, 11-14-89, Cl. 123-571.000.
- Sakamoto, Masanori: *See—*
  - Morozumi, Takuro; and Sakamoto, Masanori, 4,836,164, Cl. 123-339.000.
- Sakamoto, Masashi; Okuda, Haruo; Takahashi, Hideo; and Yamada, Eiji, to Ishihara Sangyo Kaisha, Ltd. Acicular electroconductive titanium oxide and process for producing same. 4,880,703, 11-14-89, Cl. 428-378.000.
- Sakamoto, Masashi, to Minolta Camera Kabushiki Kaisha. Electrophotographic copying machine. 4,882,605, 11-21-89, Cl. 355-215.000.
- Sakamoto, Michito: *See—*
  - Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.
- Sakamoto, Minoru: *See—*
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hino, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Sakamoto, Mitsuo: *See—*
  - Kobori, Takuji; Kanayama, Hiroo; Sakamoto, Mitsuo; Yamada, Shunichi; and Kamagata, Shuichi, 4,799,339, Cl. 52-1.000.
- Sakamoto, Mitsutoshi: *See—*
  - Ueda, Hideaki; Sakamoto, Mitsutoshi; and Ito, Kimiyuki, 4,865,934, Cl. 430-59.000.
- Sakamoto, Naotaka: *See—*
  - Kochi, Tadashi; and Sakamoto, Naotaka, 4,819,133, Cl. 362-61.000.
- Sakamoto, Naruo: *See—*
  - Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.
- Sakamoto, Noboru; Noda, Hidetoshi; and Yanaka, Hideomi, to Nippon Kokan Kabushiki Kaisha. Method for manufacturing agglomerates of fired pellets. 4,851,038, 7-25-89, Cl. 75-5.000.
- Sakamoto, Noboru: *See—*
  - Saito, Hiroshi; Sakamoto, Noboru; Fukuya, Hiroshi; and Iwata, Yoshihito, 4,810,290, Cl. 75-257.000.
- Sakamoto, Nobuyoshi, to Omron Tateisi Electronics Co. Electronic cash register with change discharger. 4,817,041, 3-28-89, Cl. 364-405.000.
- Sakamoto, Nori: *See—*
  - Ikariya, Toshiyuki; Takahashi, Kiyohiko; Shibazaki, Osamu; and Sakamoto, Nori, 4,834,310, Cl. 242-74.000.
- Sakamoto, Noriaki: *See—*
  - Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.
  - Yamada, Koji; and Sakamoto, Noriaki, 4,840,037, Cl. 62-199.000.
- Sakamoto, Sadayuki: *See—*
  - Fukuda, Tadanori; Sakamoto, Sadayuki; and Saito, Masami, 4,812,032, Cl. 351-159.000.
- Sakamoto, Seiji; and Yasumura, Kiyoshi, to Diafoil Company, Limited. Polyester film for magnetic recording tape. 4,840,830, 6-20-89, Cl. 428-141.000.
- Sakamoto, Seiji, to Diafoil Company, Limited. Polyphenylene sulfide film. 4,886,705, 12-12-89, Cl. 428-328.000.
- Sakamoto, Shizuo: *See—*
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.
  - Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.
- Sakamoto, Shunichiro, to Pioneer Electronic Corporation. Information recording/reproducing apparatus with prioritized read out. 4,864,571, 9-5-89, Cl. 371-40.300.
- Sakamoto, Shunji; and Watanabe, Tuyosi, to Mazda Motor Corporation. Automatic assembling method and apparatus for vehicle bodies. 4,827,598, 5-9-89, Cl. 29-430.000.
- Sakamoto, Shunji; Okamizu, Shigeo; Ota, Yuji; and Katsuki, Hisaaki, to Mazda Motor Corporation. Method of and apparatus for checking four-wheel steering characteristics of four-wheel-steered vehicle. 4,880,072, 11-14-89, Cl. 180-140.000.
- Sakamoto, Shunji: *See—*
  - Kanazawa, Hirotaka; Note, Koushun; Nakashima, Yasuhiro; Mukai, Yoshiaki; Sakamoto, Shunji; and Okamizu, Shigeo, 4,854,410, Cl. 180-140.000.
  - Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji; and Yamamoto, Kazuo, 4,806,849, Cl. 324-65.0CR.
- Sakamoto, Takaaki; Itoh, Munehiko; and Maeda, Shuji, to Matsushita Electric Works, Ltd. Method of preparing polyphenylene oxide composition and laminates using such compositions. 4,874,826, 10-17-89, Cl. 525-534.000.
- Sakamoto, Takao, to Tokyo Electric Co., Ltd. Control apparatus for linear motor. 4,808,901, 2-28-89, Cl. 318-687.000.
- Sakamoto, Takao, to Tachi-S Co., Ltd. Seat suspension device. 4,884,777, 12-5-89, Cl. 248-588.000.
- Sakamoto, Takao; and Takizawa, Kiyotaka, to Tachi-S Co., Ltd. Side support device for a vehicle seat. 4,885,513, 12-5-89, Cl. 318-468.000.
- Sakamoto, Takashi: *See—*
  - Isono, Koichi; Tomohisa, Kunio; Oka, Junichi; and Sakamoto, Takashi, 4,872,065, Cl. 358-494.000.
- Sakamoto, Takurou: *See—*
  - Nakayama, Takeo; Inoue, Saburo; and Sakamoto, Takurou, 4,797,449, Cl. 525-217.000.
  - Nakayama, Takeo; and Sakamoto, Takurou, 4,806,585, Cl. 524-376.000.
- Sakamoto, Tatsurou; Ito, Masayoshi; and Yamano, Yoshinori, to Sony Corporation. Apparatus for fixturing a cathode ray tube. 4,883,439, 11-28-89, Cl. 445-66.000.
- Sakamoto, Teijiro: *See—*
  - Ohkami, Takahide; Iijima, Nobuyuki; Sakamoto, Teijiro; and Hirai, Toshiyuki, 4,825,359, Cl. 364-200.000.
- Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, to Shionogi & Co., Ltd. Sustained-release formulation and production thereof. 4,828,840, 5-9-89, Cl. 424-474.000.
- Sakamoto, Teruo: *See—*
  - Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.

Sakamoto, Tetsuya: *See—*

Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, 4,814,891, Cl. 358-296.000.

Sakamoto, Toshinori; and Matsuura, Osamu, to Mazda Motor Corporation. Front vehicle body structure. 4,807,925, 2-28-89, Cl. 296-194.000.

Sakamoto, Toshinori; and Yamada, Kiyoshige, to Mazda Motor Corporation. Structure for mounting roof carriers on a roof of motorcar. 4,834,448, 5-30-89, Cl. 296-210.000.

Sakamoto, Toshishige: *See—*

Fujisawa, Norio; Sakamoto, Toshishige; Ito, Toshiyasu; and Shimada, Junichi, 4,872,745, Cl. 350-357.000.

Sakamoto, Toshiyuki; Arai, Ikuya; Kurita, Toshiyuki; Murata, Toshinori; Nakagawa, Isao; Achiha, Masahiko; and Ishikura, Kazuo, to Hitachi, Ltd. Detection circuit for detecting standard television signals and nonstandard television signals. 4,821,112, 4-11-89, Cl. 358-17.000.

Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., to Kabushiki Kaisha Toshiba. Epoxy resin composition. 4,829,134, 5-9-89, Cl. 525-523.000.

Sakamoto, Tsunenori: *See—*

Ohta, Kimihiro; Nakagawa, Tadashi; Kojima, Takeshi; Sakamoto, Tsunenori; and Kawai, Naoyuki, 4,855,013, Cl. 156-601.000.

Sakamoto, Yasuhiko: *See—*

Hisaki, Masakatu; Kashima, Kenichi; Sakamoto, Yasuhiko; Hojo, Masakazu; Katayama, Osamu; and Hata, Hiroyoshi, 4,874,773, Cl. 514-355.000.

Sakamoto, Yasurou: *See—*

Sorimachi, Kanehiro; Yamada, Shigeru; and Sakamoto, Yasurou, 4,867,570, Cl. 356-376.000.

Sakamoto, Yoshie: *See—*

Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, 4,857,527, Cl. 514-237.200.

Sakamoto, Yoshio; and Yamazaki, Kaoru, to Kabushiki Kaisha Kenwood. Electroacoustic converter. 4,799,266, 1-17-89, Cl. 381-193.000.

Sakamoto, Yoshitaka: *See—*

Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, 4,885,057, Cl. 162-9.000.

Sakamoto, Yoshito, to Sumitomo Electric Industries, Ltd. Flame retardant heat-shrinkable tube. 4,840,987, 6-20-89, Cl. 524-436.000.

Sakamoto, Yoshitsugu: *See—*

Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, 4,867,641, Cl. 415-215.100.

Sakamoto, Yuji: *See—*

Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,863,989, Cl. 524-419.000.

Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,880,888, Cl. 526-209.000.

Sakamoto, Yukio; Madokoro, Shinichi; and Okuyama, Shingo, to Murata Manufacturing Co., Ltd. Chip-like LC filter. 4,801,904, 1-31-89, Cl. 333-182.000.

Sakamoto, Yukio; Fujiki, Yasuo; and Hata, Yoshikazu, to Murata Manufacturing Co., Ltd. Three-terminal capacitor. 4,827,634, 5-9-89, Cl. 361-306.000.

Sakamoto, Yukio; Tanabe, Takeshi; Fukutani, Iwao; and Hori, Toshio, to Murata Manufacturing Co., Ltd. Surface mountable connector. 4,875,862, 10-24-89, Cl. 439-79.000.

Sakamoto, Yukio: *See—*

Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.

Sakamoto, Yumi, to Seiko Epson Corporation. Audio output device. 4,879,699, 11-7-89, Cl. 368-63.000.

Sakamoto, Yuzo; Koga, Hisashi; and Saito, Shoichi, to Mitsubishi Denki Kabushiki Kaisha. Loading mechanism for a magnetic disk device. 4,831,477, 5-16-89, Cl. 360-99.060.

Sakanaka, Makoto: *See—*

Maeda, Sadayuki; Nakamura, Usao; and Sakanaka, Makoto, 4,868,312, Cl. 548-535.000.

Sakanaka, Yasuhiro: *See—*

Nakagawa, Tatsushi; Narui, Mamoru; and Sakanaka, Yasuhiro, 4,871,815, Cl. 525-344.000.

Sakane, Chitose: *See—*

Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sakane, Chitose; and Yoshida, Toshihiko, 4,862,472, Cl. 372-45.000.

Sakane, Isamu: *See—*

Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,804,576, Cl. 428-216.000.

Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,842,944, Cl. 428-451.000.

Kuge, Tsukasa; Goto, Masahiro; and Sakane, Isamu, 4,883,715, Cl. 428-421.000.

Sakane, Takaaki; and Takeuchi, Kazuhiro, to Nippondenso Co., Ltd. Fan apparatus. 4,840,541, 6-20-89, Cl. 416-223.00R.

Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, to Fujitsu Limited. Radio data transmission system. 4,809,298, 2-28-89, Cl. 375-17.000.

Sakane, Toshio, to Canon Kabushiki Kaisha. Cornea thickness measuring ultrasonic probe. 4,823,801, 4-25-89, Cl. 128-661.060.

Sakane, Toshio; and Numajiri, Yasuyuki, to Canon Kabushiki Kaisha. Laser applying apparatus. 4,866,243, 9-12-89, Cl. 219-121.620.

Sakanishi, Shoichi: *See—*

Ono, Toyoichi; Ono, Yoshihisa; Ichimura, Yasuhiko; and Sakanishi, Shoichi, 4,818,107, Cl. 356-375.000.

Sakano, Hajime; Ito, Akitoshi; and Yano, Motoichi, to Sumitomo Naugatuck Co., Ltd. Thermoplastic resin composition. 4,835,215, 5-30-89, Cl. 525-71.000.

Sakano, Koichi: *See—*

Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.

Sakano, Riichi: *See—*

Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru; Ikeda, Susumu; and Matsubayashi, Shinji, 4,831,837, Cl. 62-239.000.

Sakano, Shinji; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Semiconductor laser devices. 4,803,692, 2-7-89, Cl. 372-50.000.

Sakano, Shinji; Inoue, Hiroaki; Matsumura, Hiroyoshi; Nakamura, Hitoshi; Katsuyama, Toshio; and Chinone, Naoki, to Hitachi, Ltd. Optical switch including bypass waveguide. 4,813,757, 3-21-89, Cl. 350-96.140.

Sakano, Shinji: *See—*

Inoue, Hiroaki; Sakano, Shinji; Nakamura, Hitoshi; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,887,877, Cl. 350-96.110.

Nakamura, Hitoshi; Sakano, Shinji; Inoue, Hiroaki; Katsuyama, Toshio; and Matsumura, Hiroyoshi, 4,840,446, Cl. 350-96.130.

Okai, Makoto; Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; and Chinone, Naoki, 4,885,753, Cl. 372-45.000.

Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; Okai, Makoto; and Chinone, Naoki, 4,873,691, Cl. 372-20.000.

Sakano, Tetsuro, to Fanuc Ltd. Rotor rotational position detector for a motor. 4,827,203, 5-2-89, Cl. 318-667.000.

Sakano, Tetsuro, to Fanuc Ltd. Optical rotary encoder with sub-code patterns. 4,859,845, 8-22-89, Cl. 250-231.0SE.

Sakano, Tetsuro, to Fanuc Ltd. Method for detecting position. 4,884,226, 11-28-89, Cl. 364-560.000.

Sakano, Toyoaki: *See—*

Hidaka, Osafumi; Sakai, Tomoki; and Sakano, Toyoaki, 4,801,45 Cl. 424-443.000.

Sakano, Yukio, to Ricoh Company, Ltd. Two-color image recorder. 4,805,120, 2-14-89, Cl. 364-519.000.

Sakano, Yukio, to Ricoh Company, Ltd. Digital copying apparatus. 4,851,920, 7-25-89, Cl. 358-456.000.

Sakano, Yukio, to Ricoh Company, Ltd. Two-dimensional memory unit having a 2d array of individually addressable blocks each having a 2d array of cells. 4,875,190, 10-17-89, Cl. 365-189.040.

Sakanobe, Minoru: *See—*

Iwase, Takayuki; Sakanobe, Minoru; and Koga, Yuji, 4,883,376, Cl. 400-83.000.

Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Oka, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, 4,795,12 Cl. 248-289.100.

Sakanoue, Hitoyuki: *See—*

Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, 4,886,709, Cl. 428-552.000.

Sakanoue, Jun: *See—*

Okuno, Yoshihiro; Sakanoue, Jun; Sakamoto, Yoshitsugu; Hatanaka, Tsugio; and Okuno, Takashi, 4,867,641, Cl. 415-215.100.

Sakanoue, Kei; Ichijima, Seiji; and Kishimoto, Shinzo, to Fuji Photo Film Co., Ltd. Process for processing silver halide color photographic material containing DIR coupler having a group functioning as a development inhibitor. 4,812,389, 3-14-89, Cl. 430-382.000.

Sakanoue, Kei; and Ichijima, Seiji, to Fuji Photo Film Co., Ltd. Material comprising a novel bleach accelerator-releasing coupler. 4,842,994, 6-27-89, Cl. 430-543.000.

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Sakanoue, Kei: *See—*

Hasebe, Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Kesuke; Nishikawa, Toshihiro; Sakanoue, Kei; and Abe, Akira, 4,865,962, Cl. 430-567.000.

Nakamura, Koki; Sakanoue, Kei; and Ichijima, Seiji, 4,886,736, Cl. 430-359.000.

Shiba, Keisuke; Ichijima, Seiji; Sakanoue, Kei; and Taguchi, Seichi, 4,880,726, Cl. 430-376.000.

Sakanoue, Seiki: *See—*

Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.

Sakao, Nobuo: *See—*

Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshio; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohta, Yousuke; and Hiraoka, Hiroshi, to Mita Industrial Co., Ltd. Developing device. 4,851,873, 7-25-89, Cl. 355-245.000.

Sakarcan, Metin, to Federal-Mogul Corporation. Wear resistant abrasive cutting wheel. 4,854,295, 8-8-89, Cl. 125-15.000.

Sakashita, Hitoshi; Mineura, Yoshihisa; and Sato, Toshihiko, to Efueskei Kabushiki Kaisha. Adhesive sheet. 4,841,652, 6-27-89, Cl. 40-299.000.

Sakashita, Kazuhior; Kishida, Satoru; and Hanibuchi, Toshiaki, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor logic integrated circuit device having first and second operation modes for testing. 4,825,439, 4-25-89, Cl. 371-15.000.

Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit apparatus. 4,856,002, 8-8-89, Cl. 371-21.000.

Sakashita, Kazuhiro: *See—*

Kishida, Satoru; Sakashita, Kazuhiro; and Tomioka, Ichiro, 4,864,579, Cl. 371-22.300.

Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, 4,870,345, Cl. 371-22.300.

Sakashita, Kiichiro, to Canon Kabushiki Kaisha. Magnetic toner. 4,820,603, 4-11-89, Cl. 430-106.600.

Sakashita, Kimiaki; Kouno, Masaaki; and Tsukazaki, Hideo, to Nihon Cement Co., Ltd. Gas filter. 4,886,533, 12-12-89, Cl. 55-498.000.

Sakashita, Kunio: *See—*

Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.

Sakashita, Narumi: *See—*

Shimazu, Yukihiko; and Sakashita, Narumi, 4,813,019, Cl. 365-189.000.

Sakashita, Seiji: *See—*

Usui, Akira; Sakashita, Seiji; Fukui, Kiyotake; and Nagai, Hiroyuki, 4,806,876, Cl. 330-279.000.

Sakashita, Tsutomu: *See—*

Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.

Sakata, Akiharu: *See—*

Kojima, Keiji; Torii, Shunichi; and Sakata, Akiharu, 4,885,678, Cl. 364-200.000.

Sakata, Akira: *See—*

Imai, Shin-ichi; and Sakata, Akira, 4,851,712, Cl. 307-296.100.

Sakata Denki Co., Ltd.: *See—*

Yamazaki, Nobuyoshi, 4,800,385, Cl. 340-854.000.

Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, to Canon Kabushiki Kaisha. Display element and observation apparatus having the same. 4,856,869, 8-15-89, Cl. 350-162.180.

Sakata, Hajime: *See—*

Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.

Sakata, Haruo, to Clarion Co., Ltd. Analog-to-digital conversion system having simultaneously auto-adjusted amplifier and attenuator. 4,811,018, 3-7-89, Cl. 341-139.000.

Sakata, Haruo, to Clarion Co., Ltd. Tape guide arrangement for a helical scan type magnetic record reproduction device. 4,812,930, 3-14-89, Cl. 360-84.000.

Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, to Kabushiki Kaisha Toshiba. Scroll member for use in a positive displacement device, and a method for manufacturing the same. 4,875,839, 10-24-89, Cl. 418-55.000.

Sakata Inkusu Kabushikikaisha: *See—*

Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.

Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, to Nihon Medi-Physics Co., Ltd.; and Toyo Hakka Kogyo Co., Ltd. Porphyrin derivatives. 4,849,207, 7-18-89, Cl. 424-1.100.

Sakata, Katsuyuki: *See—*

Koga, Shinichiro; Matsuno, Akira; Sakata, Katsuyuki; Ohtani, Yoshiaki; and Akibara, Isao, 4,839,458, Cl. 528-196.000.

Sakata, Kazuhiro: *See—*

Fukamachi, Masaaki; Onitsuka, Nobuyuki; Yano, Masaru; and Sakata, Kazuhiro, 4,849,749, Cl. 340-825.310.

Sakata, Kei; Hashiguchi, Koichi; and Okano, Shinobu, to Kawasaki Steel Corporation. Method of manufacturing a cold-rolled steel sheet having a good deep drawability. 4,857,117, 8-15-89, Cl. 148-12.00C.

Sakata, Kenichi: *See—*

Takeyasu, Hatsuichi; Sakata, Kenichi; and Yura, Fumitoshi, 4,884,856, Cl. 350-6.800.

Sakata, Masakazu: *See—*

Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fujii, Takanori; and Kuwano, Yukinori, 4,874,646, Cl. 428-34.100.

Sakata, Masayasu, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic oil for use in sealed-type, lash adjusters. 4,798,179, 1-17-89, Cl. 123-90.520.

Sakata, Masayasu, to Honda Giken Kogyo Kabushiki Kaisha. Sealed-type lash adjuster. 4,840,151, 6-20-89, Cl. 123-90.430.

Sakata, Miwa: *See—*

Ito, Toshio; Sakata, Miwa; and Yamashima, Yoshio, 4,826,943, Cl. 528-21.000.

Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,845,143, Cl. 525-328.800.

Sakata, Motohide: *See—*

Kobayashi, Ichiji; and Sakata, Motohide, 4,877,537, Cl. 210-747.000.

Sakata, Norihiko; and Miura, Nobuo, to Asahi Kasei Kogyo Kabushiki Kaisha. Vinylidene chloride type resin expandable particles, foam particles, in-mold foam molding by use thereof and process for producing them. 4,868,055, 9-19-89, Cl. 428-402.000.

Sakata Shokai, Ltd.: *See—*

Minamoto, Masaya; Kojima, Mitsuru; Sagara, Toshiharu; and Takeda, Yorio, 4,808,443, Cl. 427-407.100.

Sugiura, Masahiro; Yoshida, Michiyuki; and Nakatsuji, Yoshiaki, 4,809,609, Cl. 101-426.000.

Sakata, Tetshin; Kuzuu, Kazuto; Ito, Hideo; and Oouchi, Akira, to Nissan Motor Company, Ltd. Body mounting arrangement for truck. 4,819,980, 4-11-89, Cl. 296-35.100.

Sakata, Tetshin: *See—*

Igari, Naoto; Yamamoto, Noriyuki; and Sakata, Tetshin, 4,858,667, Cl. 157-1.100.

Sakata, Toshio, to Minolta Camera Kabushiki Kaisha. Original document cover device. 4,882,603, 11-21-89, Cl. 355-75.000.

Sakata, Toshio: *See—*

Sakai, Toshiyuki; and Sakata, Toshio, 4,878,087, Cl. 355-207.000.

Sakata, Tsuguhide, to Canon Kabushiki Kaisha. Video signal processing device. 4,811,094, 3-7-89, Cl. 358-160.000.

Sakata, Tsuguhide; Kimura, Norio; and Takei, Masahiro, to Canon Kabushiki Kaisha. Recording apparatus and reproducing apparatus. 4,823,197, 4-18-89, Cl. 358-310.000.

Sakata, Tsuguhide; Kimura, Norio; Taguchi, Tomishige; and Takei, Masahiro, to Canon Kabushiki Kaisha. Data transmission and detection system. 4,847,703, 7-11-89, Cl. 360-48.000.

Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, to Canon Kabushiki Kaisha. Reproducing apparatus. 4,678,131, 10-31-89, Cl. 360-37.100.

Sakata, Tsuguhide: *See—*

Kawai, Hisashi; Masunaga, Makoto; Sakata, Tsuguhide; Takei, Masahiro; and Nagasawa, Kenichi, 4,851,910, Cl. 358-154.000.

Takei, Masahiro; Sakata, Tsuguhide; Taguchi, Tomishige; and Kawasaki, Somei, 4,862,250, Cl. 358-12.000.

Uehara, Tsukasa; and Sakata, Tsuguhide, 4,847,709, Cl. 360-72.200.

Sakata, Yasuo: *See—*

Gill, Daniel E.; Suzuki, Shigeo; and Sakata, Yasuo, 4,806,040, Cl. 403-24.000.

Yamaguchi, Morie; Horita, Chiezo; Suzuki, Shigeo; and Sakata, Yasuo, 4,857,411, Cl. 428-546.000.

Sakata, Yoshitsugu; Hashidume, Kazunari; Iwata, Tsutomu; Mukai, Toyoharu; and Kida, Masaaki, to Wako Pure Chemical Industries, Ltd. Urea derivatives. 4,879,383, 11-7-89, Cl. 544-37.000.

Sakata, Yoshitsugu: *See—*

Kida, Masaaki; Kitabata, Isako; Kubotsu, Kazuhisa; and Sakata, Yoshitsugu, 4,861,597, Cl. 424-450.000.

Sakata, Yoshiya: *See—*

Okamura, Masatoshi; Shiba, Haruo; Hashizume, Kenji; and Sakata, Yoshiya, 4,858,849, Cl. 242-199.000.

Sakata, Yoshiyuki: *See—*

Katada, Katsuo; and Sakata, Yoshiyuki, 4,817,521, Cl. 100-240.000.

Sakatani, Fumio: *See—*

Yasuno, Hiroshi; Sakatani, Fumio; and Kanda, Takeshi, 4,883,575, Cl. 204-198.000.

Sakatani, Ikunori; Tanaka, Katsuhiko; and Tamaki, Masaru, to Nippon Seiko Kabushiki Kaisha. Dynamic pressure type fluid bearing. 4,798,476, 1-17-89, Cl. 384-108.000.

Sakatani, Ikunori: *See—*

Inoue, Gentei; Sakatani, Ikunori; and Tanaka, Katsuhiko, 4,856,918, Cl. 384-610.000.

Tanaka, Katsuhiko; Sato, Takanobu; and Sakatani, Ikunori, 4,805,972, Cl. 350-6.700.

Sakataya, Yoshinori: *See—*

Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, 4,882,690, Cl. 364-490.000.

Sakatos, Michael J. Circuit protector. 4,811,153, 3-7-89, Cl. 361-88.000.

Sakatsuji, Takao: *See—*

Shimamura, Teruo; Sakatsuji, Takao; and Furukawa, Kazuo, 4,829,754, Cl. 56-15.900.

Sakauchi, Iwao: *See—*

Akiyama, Yoshinobu; Yoshihashi, Sakashi; and Sakauchi, Iwao, 4,880,659, Cl. 426-656.000.

Sakauchi, Takashi: *See—*

Sezaki, Koji; Nagai, Koichi; and Sakauchi, Takashi, 4,879,055, Cl. 252-62.540.

Sakaue, Kenji: *See—*

Kano, Atsushi; Mizuno, Masayuki; Kajiwara, Manabu; Sakaue, Kenji; Abe, Yuji; and Nakamura, Kazuo, 4,813,612, Cl. 271-10.000.

Sakaue, Osamu: *See—*

Sakaguchi, Masatoshi; and Sakaue, Osamu, 4,831,387, Cl. 346-76.0PH.

Sakaue, Tadashi: *See—*

Ujihara, Toshihide; Sakurada, Shuroku; Sakaue, Tadashi; and Musha, Shuji, 4,868,625, Cl. 357-38.000.

Sakaue, Takahiro: *See—*

Ogata, Kazumi; and Sakaue, Takahiro, 4,870,071, Cl. 514-191.000.

Ogata, Kazumi; Ogawa, Takahiro; and Sakaue, Takahiro, 4,888,329, Cl. 514-100.000.

Sakaue, Tatsuo; and Yoshie, Tatsuya, to Kabushiki Kaisha Toshiba. Charge transfer device capacitor coupled output. 4,809,307, 2-28-89, Cl. 377-60.000.

Sakawa, Shinji: *See—*

Yamada, Yasuo; Saito, Junichi; Tamura, Tatsuo; and Sakawa, Shinji, 4,857,556, Cl. 514-585.000.

- Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, to Fujikura Ltd. Corrugated heat pipe. 4,836,275, 6-6-89, Cl. 165-46.000.
- Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, to Fujikura Ltd. Corrugated heat pipe. 4,854,372, 8-8-89, Cl. 165-46.000.
- Sakaya, Masuji; Motai, Tsuneaki; Mochizuki, Masataka; and Mashiko, Kouichi, to Fujikura Ltd. Corrugated heat pipe. 4,858,679, 8-22-89, Cl. 165-46.000.
- Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, to Hitachi, Ltd. Variable-speed pumped-storage power generating system. 4,816,696, 3-28-89, Cl. 290-52.000.
- Sakayori, Hiroyuki: *See—*
  - Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
  - Yamazaki, Shunpei; Sato, Masahiko; and Sakayori, Hiroyuki, 4,850,680, Cl. 350-340.000.
  - Yamazaki, Shunpei; Mase, Akira; and Sakayori, Hiroyuki, 4,854,675, Cl. 350-336.000.
- Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogaya, Toshikazu; and Ishizuka, Yuzo, to Bridgestone Corporation. Waterproof nut. 4,887,950, 12-19-89, Cl. 411-302.000.
- Sakazaki, Yoshihisa, to Kabushiki Kaisha Toshiba. Digital FM demodulating apparatus. 4,875,017, 10-17-89, Cl. 329-336.000.
- Sakazume, Ryo: *See—*
  - Nagai, Teiji; Sakazume, Ryo; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, 4,872,024, Cl. 346-1.100.
- Sakemi, Junya: *See—*
  - Shiraishi, Yoichi; Sakemi, Junya; Ono, Kunio; and Naka, Ichiro, 4,888,299, Cl. 437-51.000.
- Sakemi, Shinichi: *See—*
  - Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., 4,801,606, Cl. 514-452.000.
  - Higa, Tatsuo; Sakemi, Shinichi; and Cross, Sue S., 4,808,590, Cl. 514-272.000.
- Sakemi, Yuji; and Kurematsu, Katsumi, to Canon Kabushiki Kaisha. Non-contact developing apparatus utilizing a tangential magnetic field. 4,844,008, 7-4-89, Cl. 118-658.000.
- Sakemoto, Akito: *See—*
  - Fujiwara, Hideo; Sakemoto, Akito; and Inagoya, Osamu, 4,803,578, Cl. 360-105.000.
  - Miyake, Akira; Nagatani, Hitoshi; Doi, Tsugihiro; Mizushima, Kunio; and Sakemoto, Akito, 4,828,925, Cl. 428-425.900.
- Saken Co., Ltd.: *See—*
  - Higa, Teruo, 4,839,051, Cl. 210-602.000.
- Sakharnov, Vasily A.: *See—*
  - Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Gali[illegible], Boris A.; and Zelensky, Vladimir F., 4,803,330, Cl. 219-97.000.
  - Paton, Boris E.; Lebedev, Vladimir K.; Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Kharchenko, Alexandr K.; and Unigovsky, Mikhail R., 4,885,450, Cl. 219-101.000.
- Sakharova, Bronislava. Bait composition and insecticide. 4,826,682, 5-2-89, Cl. 424-623.000.
- Saki, Kunio: *See—*
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
- Sakiadis, Byron C., to Du Pont de Nemours, E. I., and Company. Die attach pickup tools. 4,875,279, 10-24-89, Cl. 29-740.000.
- Sakihama, Kazuhisa; and Fujimoto, Takuya, to Kabushiki Kaisha Toshiba. Power select circuit. 4,806,789, 2-21-89, Cl. 307-297.000.
- Sakikawa, Shigenori; and Okanishi, Toshiaki, to Kanzaki Kokyukoki Mfg. Co. Ltd. Steering apparatus for a vehicle. 4,802,546, 2-7-89, Cl. 180-132.000.
- Sakikawa, Shigenori: *See—*
  - Yano, Kazuhiko; Sakikawa, Shigenori; and Okanishi, Toshiaki, 4,881,612, Cl. 180-132.000.
- Sakikiyama, Ryuzo: *See—*
  - Yamakawa, Toru; Makita, Fujio; Umezawa, Mitsuo; and Sakikiyama, Ryuzo, 4,840,246, Cl. 180-247.000.
- Sakimae, Akihiro: *See—*
  - Miyamori, Takao; Numazawa, Ryozo; Sakimae, Akihiro; and Onishi, Hisao, 4,885,244, Cl. 435-101.000.
- Sakimori, Hideharu; Komatsu, Yoji; Ida, Daijiro; and Takahashi, Seiji, to Mazda Motor Corporation. Assembling apparatus. 4,845,821, 7-11-89, Cl. 29-213.100.
- Sakimori, Hideharu; Komatsu, Yoji; Ito, Masahiro; and Ohkuma, Nobuyoshi, to Mazda Motor Corporation. Method and apparatus for fitting component sections. 4,887,341, 12-19-89, Cl. 29-156.40R.
- Sakimoto, Katsuji: *See—*
  - Inou, Kiyoharu; and Sakimoto, Katsuji, 4,862,339, Cl. 363-21.000.
- Sakita, Masami. Two-wheel vehicle with auxiliary support system. 4,826,194, 5-2-89, Cl. 280-302.000.
- Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi. Cryogenic refrigerator. 4,840,043, 6-20-89, Cl. 62-51.200.
- Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, to Daikin Industries, Ltd. Very low temperature refrigerator. 4,854,131, 8-8-89, Cl. 62-51.200.
- Sakitani, Katsumi: *See—*
  - Miura, Kazuo; Kang, Yoon M.; Taneya, Shoichi; Noguchi, Satoshi; and Sakitani, Katsumi, 4,827,736, Cl. 62-51.100.
- Sakito, Yoji: *See—*
  - Suzukamo, Gohfu; Fukao, Masami; and Sakito, Yoji, 4,812,264, Cl. 260-544.00L.
  - Suzukamo, Gohfu; Sakito, Yoji; and Fukao, Masami, 4,820,864, Cl. 560-124.000.
- Sakiura, Jun: *See—*
  - Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
- Sakiyama, Noritaka; and Matsuura, Osamu, to Mazda Motor Corporation. Front structure of vehicle body. 4,804,222, 2-14-89, Cl. 296-203.000.
- Sakizadeh, Kumars: *See—*
  - Grieve, Duncan M. A.; Poon, Stephen S. C.; Thien, Tran V.; Sakizadeh, Kumars; and Weigel, David C., 4,883,747, Cl. 430-542.000.
  - Katritzksy, Alan R.; Swinson, Joel; Sakizadeh, Kumars; Rasmussen, Jerald K.; Krepski, Larry R.; and Heilmann, Steven M., 4,816,554, Cl. 528-210.000.
- Sakka, Hideo: *See—*
  - Okisaki, Fumio; Kubo, Masashige; and Sakka, Hideo, 4,822,931, Cl. 570-208.000.
- Sakka, Hiroshi: *See—*
  - Tashiro, Yoichi; Baba, Hideki; Obatake, Kohei; Sakka, Hiroshi; and Sohara, Ichiro, 4,855,157, Cl. 426-609.000.
- Sakkab, Nabil Y.: *See—*
  - Cook, Thomas E.; Delgado, Rodolfo; Linares, Carlos G.; Sakkab, Nabil Y.; and Trinh, Toan, 4,834,895, Cl. 252-8.600.
  - Parran, John J., Jr.; and Sakkab, Nabil Y., 4,806,339, Cl. 424-52.000.
  - Parran, John J., Jr.; and Sakkab, Nabil Y., 4,885,155, Cl. 424-52.000.
- Saklikar, Arvind R.: *See—*
  - Hansen, Lorin K.; and Saklikar, Arvind R., 4,801,919, Cl. 346-153.100.
- Sako, Junichi; and Kanenobu, Muneaki, to Daikin Industries, Ltd. Transducer for detecting pressure changes in pipes. 4,807,47 2-28-89, Cl. 73-730.000.
- Sako, Mineyuki: *See—*
  - Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, 4,847,658, Cl. 355-245.000.
- Sako, Ryosuke: *See—*
  - Ohara, Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Nowa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
- Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu; Sugeta, Tsutomu; and Nakazawa, Noriaki, to Agency of Industrial Science & Technology. Process for extracting lipids from mortierella genus fungi. 4,857,329, 8-15-89, Cl. 424-195.100.
- Sako, Yoichiro; Yamamura, Shinichi; and Yamagami, Tamotsu, to Sony Corporation. Data transmission method suitable for a disc. 4,819,2 4-4-89, Cl. 371-38.000.
- Sako, Yoichiro; Yamagami, Tamotsu; and Yamamura, Shinichi, to Sony Corporation. Optical disc recording method and apparatus for digital data having a plurality of transmission rates. 4,829,497, 5-9-89, Cl. 369-50.000.
- Sako, Yoichiro; and Yamamura, Shinichi, to Sony Corporation. Method and apparatus for error correction. 4,881,232, 11-14-89, Cl. 371-37.400.
- Sako, Yoichiro: *See—*
  - Yamagami, Tamotsu; and Sako, Yoichiro, 4,800,549, Cl. 369-56.000.
- Sako, Yuji; Tsutsumi, Kiyohide; and Ootsuka, Shigeharu, to Mitsubishi Denki Kabushiki Kaisha. Thermally-sensible overcurrent protective relay including contact toggle mechanism. 4,808,961, 2-28-89, Cl. 337-49.000.
- Sako, Yuji; and Ootsuka, Shigeharu, to Mitsubishi Denki Kabushiki Kaisha. Thermally-sensible overcurrent protective relay including heater holder. 4,845,455, 7-4-89, Cl. 337-49.000.
- Sako, Yukihiro: *See—*
  - Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Mura[illegible], Yoshitoshi, 4,843,622, Cl. 379-59.000.
- Sakoda, Hisao: *See—*
  - Inoue, Akira; Ushio, Masaru; Morita, Toru; Ohshi, Yasuyuki; and Sakoda, Hisao, 4,836,914, Cl. 208-251.00H.
- Sakoda, Ryozo: *See—*
  - Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,839,36 Cl. 514-252.000.
  - Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamikawa, Yoshimasa; and Tanaka, Sakuya, 4,843,076, Cl. 514-252.000.
  - Seto, Kiyotomo; Matsumoto, Hiroo; and Sakoda, Ryozo, 4,879,43 Cl. 558-83.000.
  - Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,885,24 Cl. 514-89.000.
- Sakoe, Hiroaki, to NEC Corporation. Pattern matching apparatus employing compensation for pattern deformation. 4,872,201, 10-3-8 Cl. 381-43.000.
- Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Seki[illegible], Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, to Nippon Telegraph and Telephone Corporation. Selective calling receiver with automatic memory storage and turn-on indication. 4,796,024, 1-3-89, Cl. 340-825.440.

- Sakoh, Mitsuo: *See—*
  - Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,359, Cl. 530-396.000.
- Sakoh, Seiichi: *See—*
  - Mizobuchi, Tadafumi; Ohji, Akihito; Sakoh, Seiichi; and Muguruma, Yasuyoshi, 4,876,092, Cl. 424-435.000.
- Sakojiri, Hiromichi; and Takahashi, Hiroshi, to Seiko Instruments Inc. Multicolor imaging material. 4,816,367, 3-28-89, Cl. 430-138.000.
- Sakomoto, Sadasue: *See—*
  - Yamamoto, Harutoshi; Mochizuki, Zenichi; and Sakomoto, Sadasue, 4,808,486, Cl. 428-609.000.
- Sakon, Ichiro; Sekiguchi, Masao; and Kanayama, Atsushi, to Rinkagaku Kogyo Co., Ltd. Red phosphorus flame retardant and nonflammable resinous composition containing the same. 4,879,067, 11-7-89, Cl. 252-609.000.
- Sakon, Touhachiro: *See—*
  - Ichikawa, Katsumi; and Sakon, Touhachiro, 4,834,636, Cl. 425-38.000.
- Sakon, Yuichi: *See—*
  - Maeda, Masahiko; Fujihira, Ryutaro; Moteki, Yoshihiro; Watanabe, Naotoshi; and Sakon, Yuichi, 4,826,726, Cl. 428-379.000.
- Sakong, Chul H. Folding table and seat assembly. 4,883,314, 11-28-89, Cl. 297-159.000.
- Sakonooka, Akihiko: *See—*
  - Mae, Yoshiharu; and Sakonooka, Akihiko, 4,808,243, Cl. 148-3.000.
- Sakorafos, Kenneth G.: *See—*
  - Glenning, John J.; Johnson, Caryn J.; Pawlowski, Walter P.; and Sakorafos, Kenneth G., 4,857,143, Cl. 156-668.000.
- Sakou, Eisaburo: *See—*
  - Nishijima, Kazuo; Miyazaki, Terunobu; and Sakou, Eisaburo, 4,806,929, Cl. 340-825.060.
- Sakowicz, Stanley: *See—*
  - Rasiuk, Thomas, 4,815,284, Cl. 60-293.000.
- Saksena, Anil K.; Wong, Jesse K.; and Mangiaracina, Pietro, to Schering Corporation. Inhibitors of slow reacting substance of anaphylaxis. 4,798,842, 1-17-89, Cl. 514-381.000.
- Saksena, Anil K.; Wong, Jesse K.; and Mangiaracina, Pietro, to Schering Corporation. Inhibitors of slow reacting substance of anaphylaxis. 4,889,873, 12-26-89, Cl. 514-560.000.
- Saku Maschinenbau A. Schmid: *See—*
  - Schmid, Max; and Lex, Peter, 4,823,423, Cl. 151-83.000.
- Sakudo, Noriyuki; Tokiguchi, Katsumi; Koike, Hidemi; Okada, Osami; Saito, Norio; and Ozasa, Susumu, to Hitachi, Ltd. Charged particle accelerator using quadrupole electrodes. 4,801,847, 1-31-89, Cl. 315-5.410.
- Sakuhara, Toshihiko; Sakai, Fumiki; and Uchiyama, Tetsuo, to Seiko Instruments Inc. Tunneling scanning microscope having light source. 4,837,435, 6-6-89, Cl. 250-306.000.
- Sakui, Koji; and Watanabe, Shigeyoshi, to Kabushiki Kaisha Toshiba. Word line driver for use in a semiconductor memory. 4,798,977, 1-17-89, Cl. 307-446.000.
- Sakui, Koji; and Watanabe, Shigeyoshi, to Kabushiki Kaisha Toshiba. High-speed refreshing rechnique for highly-integrated random-access memory. 4,819,207, 4-4-89, Cl. 365-222.000.
- Sakui, Koji: *See—*
  - Momodomi, Masaki; and Sakui, Koji, 4,875,195, Cl. 365-230.080.
- Sakuma, Hajime, to Olympus Optical Co., Ltd. Automatic analyzing apparatus for analyzing agglutination patterns. 4,861,554, 8-29-89, Cl. 422-65.000.
- Sakuma, Haruhiko: *See—*
  - Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.
- Sakuma, Hiromichi: *See—*
  - Yagi, Toshiharu; Sakuma, Hiromichi; and Saito, Jouji, 4,810,294, Cl. 106-35.000.
  - Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.
- Sakuma, Hiroshi; and Sakamaki, Yuuji, to Kinugawa Rubber Industrial Co., Ltd. Structure of a weatherstrip for an automotive vehicle. 4,848,035, 7-18-89, Cl. 49-491.000.
- Sakuma, Hiroshi: *See—*
  - Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.
- Sakuma, Kazuhiko: *See—*
  - Nakaoku, Shozo; Sakuma, Kazuhiko; Oshika, Yasuhiro; and Ohira, Kazuo, 4,876,345, Cl. 544-379.000.
- Sakuma, Kazuhiro; Itoh, Hirohito; Kazou, Mitsuaki; and Kuramoto, Kenji, to Japan Aviation Electronics Industry Ltd. Accelerometer. 4,854,169, 8-8-89, Cl. 73-517.00B.
- Sakuma, Kazuhiro; Fukumoto, Yasuhiko; and Tomioka, Akihiro, to Japan Aviation Electronics Industry Ltd. Temperature-compensating circuit for accelerometers. 4,887,467, 12-19-89, Cl. 73-517.00B.
- Sakuma, Kenji: *See—*
  - Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Junichi; and Sakuma, Kenji, 4,888,984, Cl. 73-105.000.
- Sakuma, Kiyoshi: *See—*
  - Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,794,983, Cl. 165-133.000.
  - Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, 4,854,380, Cl. 165-152.000.
  - Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, 4,869,316, Cl. 165-151.000.
  - Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, 4,880,054, Cl. 165-133.000.
- Sakuma, Kiyotoshi: *See—*
  - Hatanaka, Keiji; Sakuma, Kiyotoshi; Morita, Kiyomi; and Miyake, Junji, 4,860,211, Cl. 364-431.050.
  - Morita, Kiyomi; Kiyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,570, Cl. 123-472.000.
  - Morita, Kiyomi; Miyake, Junji; Hatanaka, Keiji; and Sakuma, Kiyotoshi, 4,817,571, Cl. 123-492.000.
- Sakuma, Masaru: *See—*
  - Saito, Hiroyuki; Sakuma, Masaru; and Murakami, Tsugio, 4,863,709, Cl. 423-474.000.
  - Sawano, Susumu; Sakuma, Masaru; Nagai, Hideaki; and Funabashi, Tatsuya, 4,855,917, Cl. 364-426.020.
- Sakuma, Masato: *See—*
  - Tachikawa, Mamoru; Sakuma, Masato; Ueki, Satoshi; Imai, Chihiro; and Makishima, Tokuo, 4,849,483, Cl. 526-97.000.
- Sakuma, Noburu; and Shimizu, Hideo, to Toyo Ink Manufacturing Co., Ltd. Color concentrates. 4,810,733, 3-7-89, Cl. 523-206.000.
- Sakuma, Noriyuki: *See—*
  - Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
- Sakuma, Shuzo: *See—*
  - Katoh, Noboru; Sakuma, Shuzo; Sato, Shiego; Wakayama, Sachio; and Nozaki, Hisashi, 4,816,279, Cl. 426-513.000.
- Sakuma, Tetsuro: *See—*
  - Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,804,690, Cl. 522-14.000.
  - Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,820,744, Cl. 522-13.000.
  - Kubota, Takao; Sakuma, Tetsuro; and Nakazato, Ryoji, 4,843,110, Cl. 522-14.000.
- Sakuma, Tsutomu: *See—*
  - Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, 4,813,511, Cl. 180-219.000.
- Sakuma, Yutaka: *See—*
  - Miyata, Katsuaki; Sakuma, Yutaka; Motoyama, Shimesu; Gotou, Masakazu; Shirakawa, Hiromu; and Makino, Takamoto, 4,799,449, Cl. 118-19.000.
- Sakumoto, Akinori, to Ryobi Limited. Drag control device in spinning type fishing reel. 4,813,626, 3-21-89, Cl. 242-84.50A.
- Sakumoto, Akinori, to Ryobi Ltd. Speed changer for a fishing spinning reel. 4,850,549, 7-25-89, Cl. 242-255.000.
- Sakumoto, Hideki: *See—*
  - Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,803,575, Cl. 360-94.000.
  - Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,809,113, Cl. 360-132.000.
  - Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, 4,844,377, Cl. 242-198.000.
- Sakunaga, Kenichi: *See—*
  - Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,812,012, Cl. 350-96.240.
  - Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, 4,842,365, Cl. 350-96.240.
  - Terada, Hiromu; Fukahori, Naoyuki; and Sakunaga, Kenichi, 4,872,740, Cl. 350-96.260.
  - Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, 4,798,445, Cl. 350-96.340.
- Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, to NGK Spark Plug Co., Ltd. Center electrode structure for spark plug. 4,808,135, 2-28-89, Cl. 445-7.000.
- Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, to NGK Spark Plug Co. Ltd. Center electrode structure for spark plug. 4,814,665, 3-21-89, Cl. 313-141.000.
- Sakura Color Products Corp.: *See—*
  - Hanakura, Niichi, 4,854,332, Cl. 131-365.000.
  - Okuda, Yasuji; Maruyama, Shizuo; and Sugimoto, Hiromasa, 4,829,108, Cl. 524-37.000.
- Sakura Finetechnical Co., Ltd.: *See—*
  - Takeuchi, Toshiyasu, 4,805,651, Cl. 134-98.000.
- Sakura, Makoto: *See—*
  - Tatsushima, Masaru; and Sakura, Makoto, 4,871,709, Cl. 502-324.000.
- Sakura Seiki Kabushiki Kaisha: *See—*
  - Toya, Matsumi, 4,853,188, Cl. 422-104.000.
  - Yoshiyama, Eiichi, 4,834,943, Cl. 422-62.000.
- Sakura, Yasuo; Hara, Masao; Nakata, Tetsuro; and Fujii, Noboru, to Sony Corporation. Circuit for processing color video signal. 4,796,096, 1-3-89, Cl. 358-310.000.
- Sakuraba, Masami: *See—*
  - Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu, 4,865,772, Cl. 252-512.000.
- Sakuraba, Shinichi; Matsushita, Hajime; and Kurimura, Masaaki, to Hitachi, Ltd. Automatic cell sample classifying apparatus. 4,847,910, 7-11-89, Cl. 382-6.000.
- Sakuraba, Takahiro: *See—*
  - Ando, Hisashige; Katsuyama, Makoto; and Sakuraba, Takahiro, 4,888,584, Cl. 340-747.000.

Sakurada, Kenji: *See—*
  Tamura, Zenji; Sakurada, Kenji; and Nakada, Akihiko, 4,884,597, Cl. 139-102.000.

Sakurada, Koichi; Kiraiwa, Kouji; Ando, Yoshihira; and Kudo, Yoshiro, to Kabushiki Kaisha Toshiba. Fuel assembly. 4,863,680, 9-5-89, Cl. 376-444.000.

Sakurada, Masahiko: *See—*
  Galle, Kevin; Orimo, Ryoichi; Sakurada, Masahiko; Banno, Taiichi; and Manabe, Sugio, 4,844,887, Cl. 422-65.000.

Sakurada, Muneo; Kurosawa, Isamu; and Wakabayashi, Shinji, to Diesel Kiki Co., Ltd. Air conditioner for automobiles. 4,834,170, 5-30-89, Cl. 165-43.000.

Sakurada, Muneo; and Takahashi, Yuusuke, to Diesel Kiki Co., Ltd. Air conditioner for automobiles. 4,842,047, 6-27-89, Cl. 165-43.000.

Sakurada, Nobuaki: *See—*
  Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, 4,821,056, Cl. 354-289.100.
  Watanabe, Yoshitaka; Sakurada, Nobuaki; Aoki, Makoto; and Sato, Eiichi, 4,860,034, Cl. 346-140.00R.

Sakurada, Shuroku: *See—*
  Ujihara, Toshihide; Sakurada, Shuroku; Sakaue, Tadashi; and Musra, Shuji, 4,868,625, Cl. 357-38.000.

Sakuragi, Kenkichi; Ohkubo, Akio; Sasai, Keizo; and Nakamura, Mitsunori, to Canon Kabushiki Kaisha. Openable recording apparatus with multiple rolls of recording sheet. 4,849,824, 7-18-89, Cl. 358-296.000.

Sakuragi, Kenkichi: *See—*
  Nakamura, Mitsunori; Sakuragi, Kenkichi; Sasai, Keizo; and Ohkubo, Akio, 4,868,674, Cl. 358-296.000.

Sakuragi, Takamasa: *See—*
  Fushimi, Ikuo; and Sakuragi, Takamasa, 4,807,009, Cl. 357-35.000.

Sakuragi, Takeo: *See—*
  Saito, Kiyoshi; Yamamoto, Yoshiro; and Sakuragi, Takeo, 4,838,383, Cl. 186-59.000.

Sakuragi, Toshio, to Clarion Co., Ltd. Automatic cuing device. 4,816,936, 3-28-89, Cl. 360-72.200.

Sakurahara, Kazuo; Kinugasa, Junji; and Kawabe, Tsuyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Cylinder block for internal combustion engine. 4,846,116, 7-11-89, Cl. 123-41.740.

Sakurai, Akira: *See—*
  Nakanishi, Minoru; and Sakurai, Akira, 4,842,595, Cl. 604-372.000.
  Nakanishi, Minoru; Sakurai, Akira; Kobayashi, Takatoshi; Meiwa, Zenbei; and Abe, Norihiro, 4,850,991, Cl. 604-387.000.
  Shiba, Daisuke; Sakurai, Akira; and Miyashita, Iwao, 4,804,378, Cl. 604-367.000.
  Shirose, Toshihiro; and Sakurai, Akira, 4,798,601, Cl. 604-368.000.

Sakurai, Atsushi, to Canon Kabushiki Kaisha. Speech recognizer. 4,825,384, 4-25-89, Cl. 364-513.500.

Sakurai, Hidetoshi; Maruyama, Nobutoshi; and Ogawa, Hiroshi, to Honda Giken Kogyo Kabushiki Kaisha. Fuel injection control system for engine. 4,814,992, 3-21-89, Cl. 364-431.070.

Sakurai, Hidetoshi: *See—*
  Kiuchi, Takeo; and Sakurai, Hidetoshi, 4,875,447, Cl. 123-339.000.

Sakurai, Hideya: *See—*
  Miyamoto, Toshinobu; Sakurai, Hideya; and Takabayashi, Hirofumi, 4,818,966, Cl. 335-296.000.

Sakurai, Hiroko: *See—*
  Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.

Sakurai, Hiroshi: *See—*
  Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai, Hiroshi, 4,851,942, Cl. 360-103.000.
  Murakami, Toshio; Azumi, Takashi; Sakurai, Hiroshi; Maruyama, Takesuke; and Todaka, Yoshihiro, 4,842,387, Cl. 350-429.000.
  Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.

Sakurai, Hitoshi: *See—*
  Oshima, Katsuhide; Murai, Toshiaki; Sakurai, Hitoshi; Igarashi, Shuji; Hanagata, Haruo; and Igarashi, Hidesato, 4,889,602, Cl. 204-38.100.

Sakurai, Kaoru; Murakami, Harunori; Mizukami, Hikaru; and Fujita, Kazuhisa, to Nippon Sheet Glass Co., Ltd. Antenna apparatus for a vehicle. 4,873,532, 10-10-89, Cl. 343-713.000.

Sakurai, Katsumi: *See—*
  Ohbayashi, Yoshiaki; Hashimoto, Kunio; Sakurai, Katsumi; and Noma, Hiroyuki, 4,859,888, Cl. 310-68.00R.

Sakurai, Katukiyo; Ueno, Yoshio; and Okuyama, Takashi, to Seikagaku Kogyo Co., Ltd. Crosslinked glycosaminoglycans and their use. 4,863,907, 9-5-89, Cl. 514-56.000.

Sakurai, Kazuaki: *See—*
  Kuzuno, Katsutoshi; Ishizuka, Shigeo; Sakurai, Kazuaki; and Watanabe, Hiroshi, 4,820,181, Cl. 439-272.000.
  Kuzuno, Katsutoshi; Ishizuka, Shigeo; and Sakurai, Kazuaki, 4,850,890, Cl. 439-310.000.

Sakurai, Kazuo; and Tamura, Takahiro, to Hitachi, Ltd. Hermetic scroll compressor with passage group for discharged fluid. 4,886,427, 12-12-89, Cl. 417-369.000.

Sakurai, Kazuo: *See—*
  Ishikawa, Masahide; Sakurai, Kazuo; Shimizu, Tomio; and Tanaka, Junzo, 4,801,828, Cl. 307-646.000.
  Tamura, Takahiro; and Sakurai, Kazuo, 4,818,198, Cl. 418-55.000.

Sakurai, Kazuya: *See—*
  Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, 4,881,449, Cl. 91-372.000.

Sakurai, Keita: *See—*
  Hamano, Yukio; Kashihara, Yuji; Sakurai, Keita; Yasue, Hideki; and Fukumura, Kagenori, 4,838,124, Cl. 74-866.000.

Sakurai, Kiyokazu: *See—*
  Iwase, Yasuyuki; and Sakurai, Kiyokazu, 4,833,751, Cl. 15-190.00

Sakurai Machine Trading Co., Ltd.: *See—*
  Yamaguchi, Yuji, 4,882,988, Cl. 101-232.000.

Sakurai, Masaaki: *See—*
  Wakimoto, Kazumasa; Shibata, Motohiro; Ishii, Takaharu; and Sakurai, Masaaki, 4,857,106, Cl. 75-41.000.

Sakurai, Masahiko: *See—*
  Shibuta, Shigeo; and Sakurai, Masahiko, 4,813,814, 405-198.000.

Sakurai, Masahiro: *See—*
  Moriki, Yasumitsu; Numakura, Hirotomo; and Sakurai, Masahiro, 4,805,826, Cl. 228-18.000.

Sakurai, Masao; Goto, Masayoshi; and Tanaka, Toshizo, to Hoechs Japan Limited. Therapeutic agent for the treatment of peptic ulce disease. 4,845,102, 7-4-89, Cl. 514-263.000.

Sakurai, Masao: *See—*
  Masegi, Mitsuhiko; Sakurai, Masao; and Aso, Makoto, 4,835,514 Cl. 340-426.000.

Sakurai, Masaru; Matsue, Hiroshi; and Aoki, Kazuhiro, to Kabushiki Kaisha Toshiba. Satellite broadcasting receiving system. 4,796,0 1-3-89, Cl. 342-359.000.

Sakurai, Masashi: *See—*
  Nakanishi, Masaru; Kitamura, Arata; Sakurai, Masashi; and Asanuma, Masaaki, 4,821,135, Cl. 360-132.000.

Sakurai, Michikazu: *See—*
  Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, 4,860,417, Cl. 29-130.000.

Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, to Hitachi Ltd.; and Hitachi Engineering Co., Ltd. Decontaminating solid surfaces. 4,806, 2-21-89, Cl. 252-626.000.

Sakurai, Mitsuo, to Yokohama Rubber Co., Ltd., The. Rubber compositions for pneumatic radial tires. 4,824,900, 4-25-89, Cl. 524-495.00

Sakurai, Mitsuru: *See—*
  Okonogi, Itaru; Shiohara, Yukihiko; Sakurai, Mitsuru; and Ot Masahiro, 4,865,915, Cl. 428-336.000.

Sakurai, Mituko: *See—*
  Ebinuma, Takanori; Kato, Hiroshi; and Sakurai, Mituko, 4,798, Cl. 123-195.00R.

Sakurai, Motoi: *See—*
  Fujimura, Tatsuhito; and Sakurai, Motoi, 4,880,744, 435-240.460.

Sakurai, Nobuo: *See—*
  Kasai, Kiyoshi; Hattori, Masayuki; Takeuchi, Hiromi; and Sakurai, Nobuo, 4,798,691, Cl. 264-47.000.

Sakurai, Noriyuki: *See—*
  Yanagisawa, Naoki; Sato, Yoshihiko; and Sakurai, Noriyuki, 4,838,222, Cl. 123-263.000.

Sakurai, Seiya: *See—*
  Farrell, Gerald T.; and Sakurai, Seiya, 4,848,708, Cl. 244-235.0

Sakurai, Shigeki: *See—*
  Hisada, Katsutoshi; Kokubu, Nobuaki; Sakurai, Shigeki; Maruo, Yukio; and Okano, Tatsuo, 4,799,110, Cl. 358-261.300.

Sakurai, Shigeo; and Onimaru, Masayuki, to Honda Giken Kogyo Kabushiki Kaisha. Method and apparatus for forming surfaces piston rings. 4,862,777, 9-5-89, Cl. 82-122.000.

Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, Hitachi, Ltd. Method and apparatus for estimating life expectancy mechanical structures. 4,875,170, 10-17-89, Cl. 364-507.000.

Sakurai, Shigeru; Hasuo, Akiho; and Tanabe, Kazuo, to Kabushiki Kaisha Yaskawa Denki Seisakusho. Resolver controlling method and apparatus. 4,795,954, 1-3-89, Cl. 318-661.000.

Sakurai, Soichi; Osawa, Michitaka; and Oguro, Hiroki, to Hitachi, Ltd. Electron beam deflector. 4,833,370, 5-23-89, Cl. 315-368.000.

Sakurai, Soichi: *See—*
  Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; and Sakurai, Soichi, 4,824,224, Cl. 350-432.000.
  Fukuda, Kyohei; Sakurai, Soichi; Hirata, Koji; and Mori, Shigeru, 4,884,879, Cl. 350-432.000.

Sakurai, Tadashi; Fuchigami, Wataru; and Kitta, Hideaki, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust gas control means for engine. 4,795,420, 1-3-89, Cl. 60-313.000.

Sakurai, Tadashi; and Kojima, Masahiro, to Motorola, Inc. DC/DC converter. 4,816,739, 3-28-89, Cl. 323-272.000.

Sakurai, Tadashi; and Fuchigami, Wataru, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust gas control means for engine. 4,840, 6-20-89, Cl. 60-313.000.

Sakurai, Tadashi; and Fuchigami, Wataru, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust gas control means for engine. 4,869, 9-26-89, Cl. 60-313.000.

Sakurai, Tadashi: *See—*
  Ohmae, Tadayuki; Mashita, Kentaro; Yamaguchi, Noboru; Asao, Kouichiro; Tanaka, Hisao; and Sakurai, Tadashi, 4,831,09 526-307.000.
  Ohmae, Tadayuki; Sakurai, Tadashi; and Asao, Kouichiro, 4,840,847, Cl. 428-373.000.
  Ohmae, Tadayuki; Sakurai, Tadashi; Yamaguchi, Noboru; Ohara, Mitsuyuki; and Asao, Kouichiro, 4,859,710, Cl. 521-55.000.

Sakurai, Takao: *See—*
  Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoko; Akaiwa, Kiriko; and Takeuchi, Koji, 4,831,182, Cl. 560-59.000.
  Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,874,542, Cl. 252-299.610.
  Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,880,561, Cl. 252-299.610.

Sakurai, Takashi: *See—*
  Mizuno, Hiroshi; Shibata, Yoshihisa; and Sakurai, Takashi, 4,816,838, Cl. 343-771.000.

Sakurai, Takayasu, to Kabushiki Kaisha Toshiba. MOS semiconductor circuit. 4,853,654, 8-1-89, Cl. 331-57.000.

Sakurai, Takayasu; and Iizuka, Tetsuya, to Kabushiki Kaisha Toshiba. MOS semiconductor integrated circuit in which the production of hot carriers near the drain of a short n channel conductivity type MOS transistor is decreased. 4,857,763, 8-15-89, Cl. 307-443.000.

Sakurai, Takayasu, to Kabushiki Kaisha Toshiba. Semiconductor memory device with multiple alternating decoders coupled to each word line. 4,866,677, 9-12-89, Cl. 365-222.000.

Sakurai, Takayasu: *See—*
  Nogami, Kazutaka; and Sakurai, Takayasu, 4,853,897, Cl. 365-189.110.
  Sawada, Kazuhiro; and Sakurai, Takayasu, 4,812,735, Cl. 323-313.000.
  Sawada, Kazuhiro; and Sakurai, Takayasu, 4,827,453, Cl. 365-222.000.

Sakurai, Tatsuaki, to Ricoh Company, Ltd. Semiconductor laser control apparatus. 4,853,934, 8-1-89, Cl. 372-29.000.

Sakurai, Tomohisa: *See—*
  Takehana, Sakae; Ueda, Yasuhiro; and Sakurai, Tomohisa, 4,884,557, Cl. 128-4.000.

Sakurai, Tomonari, to Laurel Bank Machines Co., Ltd. Coin stacking apparatus. 4,832,655, 5-23-89, Cl. 453-61.000.

Sakurai, Tomonari, to Laurel Bank Machines Co., Ltd. Method and apparatus for delivering and winding packing paper. 4,835,938, 6-6-89, Cl. 53-212.000.

Sakurai, Toshiharu: *See—*
  Yamaji, Yasuhiro; Takahashi, Kenji; Hirata, Seiichi; and Sakurai, Toshiharu, 4,855,807, Cl. 357-72.000.

Sakurai, Tutomu; Ota, Keishiro; Kubota, Saburo; Miyata, Masanobu; and Fujiwara, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Data transfer apparatus. 4,847,613, 7-11-89, Cl. 340-825.210.

Sakurai, Yasuhisa: *See—*
  Ogata, Naoya; Sanui, Kohei; Yui, Nobuhiko; Kataoka, Kazunori; Okano, Teruo; and Sakurai, Yasuhisa, 4,873,292, Cl. 525-408.000.

Sakurai, Yasuo: *See—*
  Nakagawa, Toru; Kubota, Hitoshi; and Sakurai, Yasuo, 4,841,430, Cl. 364-167.010.
  Ono, Kiyoshi; Sakurai, Yasuo; Kishimoto, Yoshio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Matsuda, Tetsuaki; and Kobayashi, Junichi, 4,822,670, Cl. 428-317.300.

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  Doi, Shigetoshi; Anan, Yoshiaki; Nagaoka, Hirofumi; Iida, Katsumi; and Sakurai, Yoshihiko, 4,827,730, Cl. 62-127.000.
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Sakuramoto, Akihiko: *See—*
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  Kuratani, Shusei; Uno, Kohichi; Mizuno, Shinya; Sakuramoto, Hisashi; and Nishiyama, Satoshi, 4,843,038, Cl. 501-98.000.
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  Goto, Chikado; Hayashi, Kenji; and Sakuuchi, Toshio, 4,830,357, Cl. 271-293.000.

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Salacuse, Frank S. Stackable packaging system. 4,848,573, 7-18-89, Cl. 206-427.000.

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  Liu, Wei-Ti; Guzy, D. James, Jr.; and Salameh, Michael J., 4,833,349, Cl. 307-468.000.

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Salamone, Joseph C.: *See—*
  Ellis, Edward J.; and Salamone, Joseph C., 4,830,783, Cl. 252-545.000.

Salamy, Thomas E.; Love, Marvin L., Jr.; and Towner, Mark E., to Olin Hunt Specialty Products Inc. Use of particular mixtures of ethyl lactate and methyl ethyl ketone to remove undesirable peripheral material (e.g. edge beads) from photoresist-coated substrates. 4,886,728, 12-12-89, Cl. 430-331.000.

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  Sundelin, Kurt G. R.; Salanitro, Joseph P.; and Stackhouse, Susan, 4,803,209, Cl. 514-249.000.
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  Martin, Glenn E.; Salatin, Timothy D.; and Cook, Vincent C., 4,818,792, Cl. 525-286.000.

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Salaz, Ruben D. KTB exerciser. 4,804,180, 2-14-89, Cl. 272-136.000.

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  Polanco, Domingo R.; Layrisse, Ignacio; Rivas, Hercilio; Jimenez, G. Euler; de Paz, Lirio Q.; Salazar, Jose P.; Rivero, Mayela; Guevara, Emilio; and Chirinos, Maria L., 4,801,304, Cl. 44-51.000.
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Salazar, Ramon A.: *See—*
  Lape, Larry J.; and Salazar, Ramon A., 4,817,273, Cl. 29-741.000.

Salazar, Sumorfin: *See—*
  Whitefoot, Douglas E.; and Salazar, Sumorfin, 4,800,624, Cl. 16-332.000.

Salazar, Thomas D. Apparatus for making an adobe brick structure. 4,802,649, 2-7-89, Cl. 249-21.000.

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Salce, Arthur J., to American Optical Corporation. Spectacle hinge assembly. 4,832,478, 5-23-89, Cl. 351-121.000.

Salcedo, Rafael E.: *See—*
  Donaghue, Norman J., Jr.; Jayapalan, Jay P.; and Salcedo, Rafael E., 4,835,769, Cl. 370-85.000.

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Salcone, Michael D.: *See—*
  McNally, Paul F.; and Salcone, Michael D., 4,827,366, Cl. 361-18.000.

Saldarelli, Thomas A.: *See—*
  Caputo, Garry L.; Saldarelli, Thomas A.; and Dwan, William E., 4,840,270, Cl. 206-205.000.

Sale, Ronald G. S., to Saler Electronic Systems, Inc. Liquid selective automatic bilge pump control. 4,804,936, 2-14-89, Cl. 338-80.000.

Sale Tilney Technology PLC: *See—*

Grenfell, Julian P., 4,830,872, Cl. 427-30.000.

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Docherty, James P.; and Johnson, Beverly E., 4,818,222, Cl. 432-138.000.

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Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumbeller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.

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Salerni, John V.: *See—*

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Salesky, William J.; and Campbell, Bruce L., to Smith International, Inc. Rock bits and inserts therefor. 4,811,801, 3-14-89, Cl. 175-329.000.

Salesses, Jacques; and Baghdiguian, Arthur, to Thomson-CGR. Device for supplying current to a filament of an x-ray tube. 4,809,310, 2-28-89, Cl. 378-109.000.

Salete, Felipe. Process for the obtention of high purity mucilage. 4,813,613, 3-21-89, Cl. 241-7.000.

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Saletta, Gary F.: *See—*

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Mueller, Denis A.; and Saletta, Gary F., 4,819,118, Cl. 361-25.000.

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Argon, Gideon, 4,858,514, Cl. 89-37.050.

Salganik, Felix. Multi-needle walking-foot chain stitch sewing machine. 4,852,506, 8-1-89, Cl. 112-220.000.

Salgo, Tamas, to Tungsram Resvenytarsasag. Method and apparatus for producing discharge tubes for sodium vapor lamps. 4,799,912, 1-24-89, Cl. 445-26.000.

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Saliaris, George P. Manually manipulated cutting device. 4,809,437, 3-7-89, Cl. 30-319.000.

Saliba, Frank. Hasp lock, zipper and cover assembly for portfolio 4,817,769, 4-4-89, Cl. 190-18.00R.

Saliba, Frank. Method of manufacturing and product including a portfolio having wide opening top and concealed name tag. 4,830,153, 5-16-89, Cl. 190-102.000.

Saliba, Michael J., Jr. Medical application for heparin and related molecules. 4,879,282, 11-7-89, Cl. 514-56.000.

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Evans, Ronald M.; Palmiter, Richard D.; and Brinster, Ralph L., 4,870,009, Cl. 435-70.000.

Orgel, Leslie E.; and Patrick, James W., 4,865,968, Cl. 435-6.000.

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Vale, Wylie W.; Rivier, Jean E. F.; and Spiess, Joachim, 4,864,019, Cl. 530-387.000.

Vaughan, Joan; Spiess, Joachim; Rivier, Jean E. F.; and Vale, Wylie W., Jr., 4,843,064, Cl. 514-12.000.

Salka, John A.: *See—*

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Salkeld, Richard W.: *See—*

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Sallberg, Michael E. R., to Selcro Limited. Electrically conductive board. 4,888,232, 12-19-89, Cl. 428-215.000.

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Ostroski, Richard J.; Bigley, James E.; Falk, John L.; and Sallee, E Charles, 4,800,615, Cl. 15-353.000.

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Sallee, Verney L.: *See—*

DeSantis, Louis M.; and Sallee, Verney L., 4,822,819, Cl. 514-530.000.

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Saller, Helmut: *See—*

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Salmi, James A., to Simon Ladder Towers, Inc. Aerial ladder tower with pretensioned truss members. 4,852,690, 8-1-89, Cl. 182-219.000.

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Arduin, Joel, 4,856,806, Cl. 280-605.000.

Barret, Thierry. 4,811,498, Cl. 36-117.000.

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Couty, Catherine, 4,823,484, Cl. 36-117.000.

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Diard, Jean-Luc; and Pascal, Roger, 4,795,184, Cl. 280-609.000.

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Dimier, Jean-Pierre, 4,813,719, Cl. 280-618.000.

Dufour, Pierre, 4,837,949, Cl. 36-127.000.

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Dunand, Josiane; Arnule, Paul, and Gasquet, Denis, 4,856,807, Cl. 280-615.000.

Gallet, Yvon; and Dimier, Jean-Pierre, 4,869,525, Cl. 280-636.000.

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Legon, Fabrice, 4,827,632, Cl. 36-119.000.

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Provence, Marc, 4,887,832, Cl. 280-615.000.

Rigal, Jean-Pierre, 4,799,655, Cl. 269-2.000.

Rochard, Jean-Claude, 4,842,293, Cl. 280-615.000.

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Salov, Viktor E.: *See—*

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Salov, Viktor P.: *See—*

Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovvkin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.

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Greenwood, Jeremy J., 4,839,530, Cl. 307-10.100.

Salsbury, H. Allen; and Wymer, Gary E. Apparatus for covering an open-topped vehicle. 4,823,707, 4-25-89, Cl. 105-377.000.

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Salsetti, Pascal: *See—*

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Angus, James P.; and Salt, Derek, 4,829,539, Cl. 374-159.000.

Salt, James W. A., to Canada, Her Majesty the Queen in right of, as represented by the Minister of National Defence of Her Majesty's Canadian Government. Laser direction of arrival detector. 4,880,305, 11-14-89, Cl. 356-141.000.

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Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., to Shell Oil Company. Feed line design. 4,830,545, 5-16-89, Cl. 406-12.000.

Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., to Shell Oil Company. Feed line-pulsed gas injection. 4,834,588, 5-30-89, Cl. 406-85.000.

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Salter, James A.: *See—*

Van Broekhoven, Johannes A. M.; Geuze, Maarten M.; and Salter, James A., 4,889,914, Cl. 528-392.000.

Salter, Richard J., Jr.; and Long, George S., III, to Asinc, Inc. Real-time flight and destination display for aircraft passengers. 4,857,924, 8-15-89, Cl. 340-973.000.

Salter, Robert S.: *See—*

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van Berkel, Cornelis H.; and Salters, Roelof H. W., 4,845,678, Cl. 365-230.060.

Saltiel, Alan R., to Rockefeller University, The. Insulin activity messengers. 4,839,466, 6-13-89, Cl. 530-395.000.

Saltman, Robert P., to Du Pont de Nemours, E. I., and Company. Composition comprising melt blended product of thermoplastic resin and two ethylene copolymers containing coreactive groups. 4,871,810, 10-3-89, Cl. 525-133.000.

Salton, Robert B.; Hornak, Leonard P.; Marshall, James R.; and Meuschke, Robert E., to Westinghouse Electric Corp. Thimble grip fuel assembly handling tool. 4,834,934, 5-30-89, Cl. 376-271.000.

Saltsman, Stephen B. Sandal construction with improved strap adjustment. 4,817,302, 4-4-89, Cl. 36-11.500.

Saltzberg, Burton R., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Manchester code receiver. 4,881,059, 11-14-89, Cl. 341-70.000.

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Wertz, Timothy A.; Saltzman, Gilbert A.; and Friedman, Ira L., 4,822,248, Cl. 416-192.000.

Saltzman, Jeremy: *See—*

Chamberlin, David B.; Dwyer, John J.; Grey, Suzanne N.; Jachmann, Emil F.; and Saltzman, Jeremy, 4,817,127, Cl. 379-67.000.

Jachmann, Emil F.; Saltzman, Jeremy; and Chamberlin, David B., 4,853,952, Cl. 379-88.000.

Saltzman, William M.: *See—*

Sabel, Bernhard A.; Freese, Andrew; and Saltzman, William M., 4,883,666, Cl. 424-422.000

Salumbides, Renato R.: *See—*

Kuhlemann, Bruce W.; Macabasco, Agilio E.; and Salumbides, Renato R., 4,880,425, Cl. 604-404.000.

Salus-Haus Dr. Med. Otto Greither Inhaber Otto Greither: *See—*

Greither, Otto; and Brunner, Peter, 4,851,252, Cl. 426-599.000.

Salusinszky, Andor L., to Royal Melbourne Institute of Technology Limited. Upgrading naphtha with matched catalyst(s). 4,806,230, 2-21-89, Cl. 208-64.000.

Saluski, Ronald B.: *See—*

Podolak, J. B.; and Saluski, Ronald B., 4,816,829, Cl. 341-122.000.

Salutar, Inc.: *See—*

Quay, Steven C.; and Worah, Dilip M., 4,859,451, Cl. 424-9.000.

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Rocklage, Scott M.; Cacheris, William P.; and Jamieson, Gene, 4,889,931, Cl. 540-465.000.

Salutsky, Murrell L.: *See—*

Cuisia, Dionisio G.; Hwa, Chih M.; and Salutsky, Murrell L., 4,847,001, Cl. 252-389.620.

Salva, Fedor M.: *See—*

Brahm, Leroy D.; Brown, Frank C.; Ciarlone, David F.; Dedrich, Mark R.; Hassall, James B.; and Salva, Fedor M., 4,865,801, Cl. 376-260.000.

Salvador, Victor L.; and Triunfo, John A., to Kings Electronics Co., Inc. Cable connector and crimping tool therefor. 4,804,344, 2-14-89, Cl. 439-877.000.

Salvadori, Bruno, to Pirelli Coordinamento Pneumatici S.p.A. Press for tires and automatic device for rapidly dismounting the relative vulcanizing mold. 4,883,415, 11-28-89, Cl. 425-47.000

Salvage, Seward T.; and Messer, Edward E., Jr., to Harris Corp. Monolithic vector modulator/complex weight using all-pass network. 4,806,888, 2-21-89, Cl. 333-138.000.

Salvage, Seward T.: *See—*

Rice, Christopher W.; and Salvage, Seward T., 4,795,922, Cl. 307-511.000.

Salvagnini, Guido, to Salvagnini Transferica S.p.A. Bending machine for sheet metal panels having a blank holder with uniform compression. 4,843,862, 7-4-89, Cl. 72-319.000.

Salvagnini, Guido, to SZ s.r.l. Machine tool for turning, milling, boring, drilling, and washing with independent means for clamping the part to be machined. 4,856,178, 8-15-89, Cl. 29-568.000.

Salvagnini, Guido, to Salvagnini Transferica S.p.A. Bending machine for the production of rectangular sheet metal panels starting from flat metal sheets. 4,856,315, 8-15-89, Cl. 72-306.000.

Salvagnini Transferica S.p.A.: *See—*

Salvagnini, Guido, 4,843,862, Cl. 72-319.000.

Salvagnini, Guido, 4,856,315, Cl. 72-306.000.

Salvaing, Christiane B.: *See—*

Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Manoux, Alain; and Tailhades, Philippe, 4,803,291, Cl. 556-31.000.

Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Gougeon, Michel; and Tailhades, Philippe, 4,808,327, Cl. 252-62.560.

Salvaire, Andre : *See—*

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Salvati, Jon: *See—*

Danna, Dominick A.; Salvati, Jon; and Ciarlei, Joseph A., 4,853,774, Cl. 358-98.000.

Salvati, Patricia: *See—*

Cozzi, Paolo; Ferti, Corrado; Salvati, Patricia; Carganico, Germano; and Pillan, Antonio, 4,882,347, Cl. 514-396.000

Mantegani, Sergio; Brambilla, Enzo; Temperilli, Aldemio; Ruggieri, Daniela; and Salvati, Patricia, 4,859,678, Cl. 514-269.000

Temperilli, Aldemio; Eccel, Rosanna; Brambilla, Enzo; and Salvati, Patricia, 4,801,588, Cl. 514-274.000.

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Salver, Le; and Poupard, Dominique, to Automobiles Peugeot; and Automobiles Citroen. Elastically yieldable support in particular for the suspension of a vehicle engine. 4,871,150, 10-3-89, Cl. 267-140.100.

Salvetti, Gianfranco: *See—*

Behrenz, Wolfgang; and Salvetti, Gianfranco, 4,845,131, Cl. 514-729.000.

Salvo, Christopher A. Dental bridge. 4,820,157, 4-11-89, Cl. 433-180.000.

Salvo, Gaetano. Manual calculator for analog and digital numbers. 4,798,940, 1-17-89, Cl. 235-70.00R.

Salvo, Stephen K. Pyrotechnic device for a skateboard. 4,834,407, 5-30-89, Cl. 280-87.042.

Salway, Richard: *See—*

Luchs, Charles M.; Salway, Richard; Rush, Parker; Davy, Fern-Ann; Loia, John; Alexander, Bernice; Johnson, Carol; and Carducci, John, 4,831,526, Cl. 364-401.000.

Salyer, Alan, and Gittleson, James M., to Coach and Company Incorporated, The. Supinator/pronator exercise machine. 4,834,367, 5-30-89, Cl. 272-143.000.

Salyer, Alan, to Coach and Company Incorporated, The. Locomotion exercise enhancement equipment. 4,867,439, 9-19-89, Cl. 272-70.300.

Salyer, Ival O., to University of Dayton. Phase change compositions. 4,797,160, 1-10-89, Cl. 106-96.000.

Salyer, Ival O.; and Griffen, Charles W., to University of Dayton, The. Polymeric compositions incorporating polyethylene glycol as a phase change material. 4,825,939, 5-2-89, Cl. 165-53.000.

Salyer, Paul E., to Othy, Inc. Method of producing an acetabular reamer cup. 4,811,632, 3-14-89, Cl. 76-101.00A.

Salyer, Sidney C. Door opening limiting bar. 4,858,972, 8-22-89, Cl. 292-338.000.

Salz, Gilbert; and Sullivan, Mark. Prophylactic apron. 4,872,462, 10-10-89, Cl. 128-842.000.

Salzarulo, Henry H.: *See—*

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Salzbrunn, Wolfgang; Steiner, Eva; Wohrer, Wilfried; and Meixner, Otto, to Vogelbusch Gesellschaft m.b.H. Method of continuously producing ethanol from sugar-containing substrates. 4,876,196, 10-24-89, Cl. 435-161.000.

Salzbrunn, Wolfgang: *See—*

Kominek, Jiri; Zehentgruber, Otto; and Salzbrunn, Wolfgang, 4,868,122, Cl. 435-285.000.

Salzer, Heinrich. Arrangement for remote monitoring of the position and/or movement of a closure mechanism. 4,806,910, 2-21-89, Cl. 340-547.000.

Salzer, Heinrich. Blast resistant composite framing section. 4,854,248, 8-8-89, Cl. 109-79.000.

Salzer, Leander J.; and Bergren, Donald A., to United States of America, Energy. Wall thickness measuring method and apparatus. 4,798,002, 1-17-89, Cl. 33-125.00A.

Salzer, Thomas E.; and Whitehouse, David R., to Raytheon Company. Laser process apparatus. 4,806,728, 2-21-89, Cl. 219-121.630.

Salzman, Catherine A.; and Muszak, Martin F., to Eastman Kodak Company. Analyzer with wash station separate from incubator. 4,857,471, 8-15-89, Cl. 436-43.000.

Salzman, Gary C.; and Kupperman, Robert H., to United States of America, Energy. Optically active biological particle distinguishing apparatus. 4,796,995, 1-10-89, Cl. 356-368.000.

Salzman, Gary C.; Gregg, Charles T.; Grace, W. Kevin; and Hiebert, Richard D., to United States of America, Energy. Biological particle identification apparatus. 4,884,886, 12-5-89, Cl. 356-367.000.

Salzman, Joseph: *See—*

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Salzman, Robert S.: *See—*

DePaul, Albert D., 4,841,473, Cl. 364-900.000

Salzman, Ronald N.; Blakley, Robert A.; Schutte, Marlin D.; and McDermott, Keith T., to General Signal Corporation. Method for making an end connection for composite shafts. 4,834,932, 5-30-89, Cl. 264-255.000.

Salzmann, Ferdinand F.; and Wenkman, Gregory J., to Traex Corporation. Napkin dispenser. 4,838,454, 6-13-89, Cl. 221-57.000.

Salzmann, Theodor: *See—*

Holtz, Joachim; Salama, Samir; and Salzmann, Theodor, 4,881,15 Cl. 363-58.000.

Salzmann, Thomas N.: *See—*

Bouffard, F. Aileen; and Salzmann, Thomas N., 4,816,578, Cl. 540-200.000.

Sam Kyong Hardware Co., Ltd.: *See—*

Nam, Sun O.; Lee, Wan S.; and Yoo, Jae Y., 4,847,946, Cl. 16-53.000.

Sam Stevens, Inc.: *See—*

Stevens, Sammy L., 4,854,390, Cl. 172-1.000.

Samaan, Nassim A.: *See—*

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Samaha, William A.: *See—*

Siskind, Leland B. M.; Samaha, William A.; and Warshaw, Thayer S., 4,862,606, Cl. 36-77.00M.

Samal, Prasan K.; and Nadkarni, Anil V., to SCM Metal Products, Inc. Equiaxed dispersion strengthened copper product and process for making same. 4,879,091, 11-7-89, Cl. 419-19.000.

Samaniego, Joseph. Toilet flush aid. 4,847,924, 7-18-89, Cl. 4-249.000.

Samann, Hans-Joachmi: *See—*

Grimminger, Albert; Muller, Franz-Josef; and Samann, Hans-Joachmi, 4,863,364, Cl. 425-208.000.

Samaras, George M.; and Falk, Steven M., to GMS Engineering Corporation. Blood pressure measurement system for filtering low-frequency, high-amplitude noise. 4,858,616, 8-22-89, Cl. 128-680.000.

Samaras, William A.: *See—*

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Samardzija, Nikola, to Du Pont de Nemours, E. I., and Company. Apparatus for microwave separation of emulsions. 4,853,507, 8-1-89, Cl. 219-10.55A.

Samardzija, Nikola, to Du Pont de Nemours, E. I., and Company. Automated microwave tuning system for de-emulsifier systems. 4,855,695, 8-8-89, Cl. 333-17.300

Samarin, Alexei J.: *See—*

Alexandrov, Andrei J.; Dolgikh, Viktor A.; Kerimov, Oleg M.; Samarin, Alexei J.; Rudoi, Igor G.; and Soroka, Arkady M., 4,841,537, Cl. 372-55.000.

Samaritan Industries, Inc.: *See—*

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Samas, Mark V.: *See—*

Amos, Michael D.; Brosnan, Denis A.; Samas, Mark V.; Singer, Richard E.; Whetsel, James E.; and Kovarik, David P., 4,881,677, Cl. 228-33.000.

Brosnan, Denis A.; Whetsel, James E.; Singer, Richard E.; Samas, Mark V.; Amos, Michael D.; and Kovarik, David P., 4,889,324, Cl. 266-157.000.

Samata, Tadayochi: *See—*

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Sambayashi, Takeshi: *See—*

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Sambor, Stephen P., to Ford Motor Company. Lateral movement actuator for lowerable automobile window. 4,829,711, 5-16-89, Cl. 49-211.000.

Sambrook, Rodney M., to Dyson Refractories Limited. Catalyst and method of making a precursor for the catalyst. 4,835,132, 5-30-89, Cl. 502-303.000.

Sambucetti, Carlos J.: *See—*

Amelio, William J.; Czarnecki, Kenneth R.; Lemon, Gary K.; Markovich, Voya; Sambucetti, Carlos J.; and Zarr, Richard S., 4,820,643, Cl. 436-37.000.

Samchisen, Edward J., to LRC Electronics, Inc. Snap-n-seal coaxial connector. 4,834,675, 5-30-89, Cl. 439-578.000.

Samdahl, David A.: *See—*

Trine, John A.; Samdahl, David A.; and Petersen, Daryle L., 4,803,458, Cl. 336-198.000.

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Gener, Markus; and Juillerat, Pierre, 4,889,024, Cl. 82-127.000.

Samejima, Kazuhiro; and Ohnishi, Masaru, to Mitsubishi Denki Kabushiki Kaisha. Printing head system. 4,835,549, 5-30-89, Cl. 346-76.0PH.

Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, to Kubota, Ltd. Connecting link structure for a lawn mower. 4,882,898, 11-28-89, Cl. 56-208.000.

Samejima, Mutsumi: *See—*

Koga, Kunio; Shima, Koji; and Samejima, Mutsumi, 4,883,912, Cl. 562-608.000.

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Samelik, Boris V.: *See—*

Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., 4,853,047, Cl. 148-905.000.

Sameniego, Manuel. Guitar strap. 4,858,801, 8-22-89, Cl. 224-264.000.

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Correard, Jean-Yves, 4,795,094, Cl. 239-229.000.

Correard, Jean-Yves, 4,797,038, Cl. 406-138.000.

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Sameshima, Kenji: *See—*

Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.

Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

Samford, Dean A., to General Housewares Corporation. Cooking utensil useful for assuring destruction of harmful bacteria during microwave cooking of poultry and other foods. 4,871,892, 10-3-89, Cl. 219-10.55E.

Samhwa Electric Industrial Co., Ltd.: *See—*

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Sami, Salah M.: *See—*

Remers, William A.; and Sami, Salah M., 4,888,341, Cl. 514-410.000.

Samim Societa Azionaria Minero-Metallurgica S.p.A.: *See—*

Guerriero, Renato; Meregalli, Letizia; and Vittadini, Italo, 4,806,249, Cl. 210-638.000.

Samish, Norman C., to Shell Oil Company. Removal of sulfur oxides from flue gas. 4,848,995, 7-18-89, Cl. 62-20.000.

Samish, Peter: *See—*

Oppie, Alfred L.; and Samish, Peter, 4,811,702, Cl. 123-188.00M.

Samluk, Stephen L.: *See—*

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Samma, Hiromasa: *See—*

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Sammakia, Bahgat G.: *See—*

Funari, Joseph; Green, Mary C.; Reynolds, Scott D.; and Sammakia, Bahgat G., 4,849,856, Cl. 361-386.000.

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  - Schroeder, Paul K.; and Sampson, Gary W., 4,838,173, Cl. 105-35.000.
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- Sampson Machine Company: *See—*
  - Grandy, John; Barbero, Paul; Quinn, Robert; and Sparacino, Louis, 4,828,239, Cl. 269-41.000.
- Sampson, Michael J. Agricultural pesticides. 4,851,223, 7-25-89, Cl. 424-711.000.
- Sampson, Peter F.: *See—*
  - Palm, Charles S.; Slayton, Danny L.; Lak, Khosrow; Sampson, Peter F.; Davis, David R.; Wheatley, Maurice S., Jr.; Chatham, Gregory A.; Jones, Wayne C.; Charles, Kirk W.; and Ireland, Anthony J., 4,806,097, Cl. 432-60.000.
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  - Fulton, Alfred L.; Lakhani, Kishor M.; Sampson, Scott D.; and Lowman, Kent, 4,851,864, Cl. 346-159.000.
- Sampson Sports, Inc.: *See—*
  - Sampson, Eric A., 4,815,333, Cl. 74-594.600.
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- Samreth, Soth; Bellamy, Francois; and Millet, Jean, to Fournier Innovation et Synergie. Novel β-D-phenylthioxylosides, their method of preparation and their use as therapeutics. 4,877,808, 10-31-89, Cl. 514-432.000.
- Sams, Bernard, to Hypoguard (UK) Limited. Measured dose dispensing device. 4,865,591, 9-12-89, Cl. 604-186.000.
- Sams, Kenneth, to U.F.O., Inc. Aerodynamic devices. 4,848,704, 7-18-89, Cl. 244-153.00A.
- Samsel, Jason M.: *See—*
  - Brors, Daniel L.; Lane, Larry R.; Goldsborough, Mark W.; Samsel, Jason M.; van Mastrigt, Max; and Foster, Robert, 4,796,562, Cl. 118-725.000.
- Samson, Allan L.; and Zolock, Michael J., to Micro Motion, Incorporated. Coriolis mass flow rate meter having an absolute frequency output. 4,843,890, 7-4-89, Cl. 73-861.380.
- Samson, Allan L.: *See—*
  - Hargarten, James W.; and Samson, Allan L., 4,817,448, Cl. 73-861.380.
- Samson, Charles E.: *See—*
  - Schaller, David R.; Megahed, El-Sayed; and Samson, Charles E., 4,855,647, Cl. 315-209.00R.
- Samson, George W.: *See—*
  - Hoskinson, Marlin J.; Lorincz, Eugene M.; and Samson, George W., 4,871,140, Cl. 248-496.000.
- Samson, Ilan. Baby calmer. 4,819,616, 4-11-89, Cl. 600-28.000.
- Samson, Ilan. Extendable table. 4,878,439, 11-7-89, Cl. 108-83.000.
- Samson, Ilan Z., to Roberts Consolidated Industries, Inc. Anti-sway device for a carpet stretcher. 4,815,708, 3-28-89, Cl. 254-212.000.
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  - McKinney, James M.; Hatfield, Arthur C.; and Samson, Richard D., 4,833,006, Cl. 428-226.000.
- Samson, Suellen M.: *See—*
  - Ingolia, Thomas D.; Queener, Stephen W.; Samson, Suellen M.; Skatrud, Paul L.; and Godfrey, Otis W., 4,885,251, Cl. 435-183.000.
- Samson, Wilfred J.: *See—*
  - Miller, Gary H.; and Samson, Wilfred J., 4,821,722, Cl. 128-344.000.
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  - Castelli, Renato; Van Hoye, Willy; Sijmons, Eric; Morel, Henri; and Nowacki, Jean M., 4,844,214, Cl. 190-103.000.
  - King, William L., 4,858,867, Cl. 248-214.000.
  - King, William L.; Elles, Daniel G.; and Koontz, David A., 4,863,018, Cl. 206-290.000.
  - Mobley, Lawrence R., 4,798,289, Cl. 206-287.000.
  - Mobley, Lawrence R., 4,880,113, Cl. 206-287.000.
  - Nordstrom, Mark B.; and Patzelberger, Guenther E., 4,828,081, Cl. 190-102.000.
  - Scelba, Stephen S.; and Feinberg, Martin R., 4,856,306, Cl. 70-68.000.
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  - Lee, Kye S., 4,817,152, Cl. 381-24.000.
  - Lee, Kye S., 4,820,952, Cl. 310-334.000.
- Samsung Electron Devices Co., Ltd.: *See—*
  - Cho, Seog-Lae, 4,827,181, Cl. 313-414.000.
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  - Ahn, Hee K., 4,884,153, Cl. 360-85.000.
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  - Bark, Kwan, 4,819,084, Cl. 358-296.000.
  - Beom-Chae, Jeong, 4,805,206, Cl. 379-77.000.
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  - Cho, Hae S.; and Kwon, In K., 4,876,763, Cl. 1[illegible]-329.000.
  - Chung, Ku S., 4,809,859, Cl. 220-4.00R.
  - Chung, Seung T.; Kwon, Hae W.; and Park, Tae S., 4,807,213, Cl. 369-46.000.
  - Dong-Il, Song, 4,841,171, Cl. 307-355.000.
  - Dongil, Song; Chul-Jin, Kim; and Byung-Jin, Kim, 4,819,062, Cl. 358-31.000.
  - Eunbong, Yoo, 4,801,242, Cl. 416-62.000.
  - Han, Bong H., 4,872,527, Cl. 181-160.000.
  - Hong, Suk-Kwon; Bang, Ho-Yol; and Shin, Hyun-Jun, 4,820,933, Cl. 307-10.100.
  - Jun, Soo-Sung, 4,847,706, Cl. 360-61.000.
  - Jung, Se-Young; and Moon, Tea-Weon, 4,862,290, Cl. 358-335.000.
  - Kim, Byung Y.; Jung, Tae S.; and Hwang, Sang K., 4,852,064, Cl. 365-203.000.
  - Kim, Byung-Youn; Park, Yong-Bo; and Jung, Tae-Sung, 4,890,051, Cl. 323-313.000.
  - Kim, Jin-Seak, 4,816,809, Cl. 340-692.000.
  - Ko, Heungchan, 4,808,784, Cl. 219-10.55F.
  - Kwon, Hisung, 4,873,454, Cl. 307-140.000.
  - Lee, Won-Sik, 4,863,548, Cl. 156-345.000.
  - Seo, Dong-Il; and Ryu, Je-Hwan, 4,868,484, Cl. 323-314.000.
  - Seo, Seung-Mo, 4,829,480, Cl. 365-200.000.
  - Song, Dong-Il; Kim, Chul-Jin; and Min, Byung-Min, 4,831,435, Cl. 358-140.000.
  - Sung, Yuhn K.; and Bong, Yoo E., 4,853,501, Cl. 200-38.0FA.
  - Wook, Jang Y.; Saeng, Kim Y.; and Myung, C. Shin, 4,843,470, Cl. 358-153.000.
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  - Kim, Myung S.; Kang, Hyun S.; Lim, Soon K., and Park, Hee K. 4,874,712, Cl. 437-31.000.
  - Min, Dong S., 4,825,420, Cl. 365-230.000.
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  - Choi, Suki-Gi; Min, Sung-Ki; and Kahng, Chang-Won, 4,826,783, Cl. 437-57.000.
  - Choi, Yun H., 4,860,257, Cl. 365-189.110.
  - Jun, Dong-Soo, 4,855,628, Cl. 307-530.000.
  - Min, Sung-Ki; and Lee, Jae S., 4,853,559, Cl. 307-270.000.
  - Min, Sung-Ki; Myung, Chan-Kyu; and Shin, Ki-Ho, 4,881,042, Cl. 329-326.000.
  - Seo, Seung M., 4,825,417, Cl. 365-205.000.
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  - Dugan, William P.; Samudrala, Rama P.; and Rivas, Grace A. 4,878,990, Cl. 156-630.000.
- Samudrala, Sridhar; Peng, Victor; and Gavrielov, Nachum M., to Digital Equipment Corporation. Apparatus and method for execution of floating point operations. 4,849,923, 7-18-89, Cl. 364-748.000.
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  - Maheshwari, Vijay; Samudrala, Sridhar; and Gavrielov, Nachum M., 4,852,039, Cl. 364-748.000.
- Samuel, James E.: *See—*
  - Frazier, Marvin E.; Mallavia, Louis P.; Baca, Oswald G.; and Samuel, James E., 4,876,186, Cl. 435-6.000.
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  - Fox, Irwin; and Samuels, Alvin, 4,835,043, Cl. 423-222.000.
- Samuels, G. Kevin. Portable ski locker. 4,842,289, 6-27-89, Cl. 280-8.000.
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- Samuels, Louann B.: *See—*
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- Samuels, Mark A., to GEC-Marconi Limited. System for image production by variable scanning. 4,868,657, 9-19-89, Cl. 358-140.000.
- Samuelsen, Eirik; and Schiotz, Sverre. Governed vane wind turbine. 4,832,569, 5-23-89, Cl. 416-17.000.
- Samuelsen, Per R.: *See—*
  - Albrigtsen, Rolf H.; and Samuelsen, Per R., 4,877,046, Cl. 137-107.000.
- Samuelsen, Peter, to Coloplast A/S. Dressing with hydrocolloid. 4,867,748, 9-19-89, Cl. 604-336.000.
- Samuelsen, Sigvart J.: *See—*
  - Pashby, Richard P.; Phelps, Douglas W., Jr.; Samuelsen, Sigvart J.; and Ward, William C., 4,862,245, Cl. 357-70.000.
- Samuelson, David W., to Panavision, Inc. Camera support system. 4,849,778, 7-18-89, Cl. 354-81.000.
- Samuelson, Douglas A., to International Telesystems Corp. System for regulating arrivals of customers to servers. 4,858,120, 8-15-89, Cl. 364-401.000.
- Samuelson, Gay M.; St. Clair, David J.; and Danforth, Richard L., to Shell Oil Company. Encapsulated assemblage and method of making. 4,869,966, 9-26-89, Cl. 428-428.000.
- Samuelson, Hans O., to Mooch Domsjo Aktiebolag. Process for the activation and delignification of cellulose pulp. 4,853,082, 8-1-89, Cl. 162-38.000.
- Samuelson, Harry V., to Du Pont de Nemours, E. I., and Company. Spinneret for hollow fibers having curved spacing members projecting therefrom. 4,850,847, 7-25-89, Cl. 425-382.200.
- Samuelson, Harry V., to Du Pont de Nemours, E. I., and Company. Co-spun filament within a hollow filament and spinneret for production thereof. 4,861,661, 8-29-89, Cl. 428-398.000.

- Samuelson, Mark L.: *See—*
  - Dumbeck, Richard F.; and Samuelson, Mark L., 4,834,250, Cl. 215-100.00R.
- Samuelson, William L.: *See—*
  - Wyckoff, Charles R.; Lener, Ralph J.; and Samuelson, William L., 4,821,358, Cl. 15-104.920.
- Samuelsson, Bo A.: *See—*
  - Hertz, Carl H.; and Samuelsson, Bo A., 4,839,665, Cl. 346-1.100.
- Samukawa, Kouji: *See—*
  - Seki, Masaki; and Samukawa, Kouji, 4,851,986, Cl. 364-191.000.
- Samyn, Johan, to N. V. Bekaert S.A. Method and apparatus for checking the authenticity of documents. 4,820,912, 4-11-89, Cl. 235-449.000.
- San-Ei Chemical Industries, Ltd.: *See—*
  - Fujio, Jiro, 4,813,646, Cl. 249-55.000.
- San-In Sanso Co., Ltd.: *See—*
  - Yano, Mitsuru; Hiramatsu, Hajime; and Takaki, Hiroshi, 4,834,550, Cl. 374-57.000.
- Sanabria, Richard F.: *See—*
  - Sanabria, Ronaldo M., 4,880,327, Cl. 402-73.000.
- Sanabria, Ronaldo M., to Sanabria, Richard F., a part interest. Gravity lock bookstand and binder. 4,880,327, 11-14-89, Cl. 402-73.000.
- Sanada, Katsuiki: *See—*
  - Nakazawa, Yoshihiro; Kudou, Masayuki; Iijima, Satoshi; Sanada, Katsuiki; and Matsuo, Yoshihiro, 4,883,284, Cl. 280-293.000.
- Sanada, Kazutoshi: *See—*
  - Yamamoto, Shigehisa; Fujita, Ryuji; Sanada, Kazutoshi; and Horishi, Nanao, 4,828,916, Cl. 428-329.000.
- Sanada, Kei: *See—*
  - Mine, Kazuhiro; Sanada, Kei; and Ide, Mitsuteru, 4,874,980, Cl. 310-328.000.
- Sanada, Kohji, to NEC Corporation. Semiconductor memory circuit with improved timing and delay control for data read out. 4,841,488, 6-20-89, Cl. 365-233.000.
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- Sanada, Takashi: *See—*
  - Nishio, Taichi; Sanada, Takashi; and Okada, Takayuki, 4,801,645, Cl. 525-68.000.
- Sanada, Yasuhiro: *See—*
  - Morimoto, Takeshi; Sanada, Yasuhiro; Ohashi, Shinichi; and Kimura, Yoshikatsu, 4,862,128, Cl. 361-502.000.
- Sanada, Yasuyoshi: *See—*
  - Kono, Masanao; Hasegawa, Yoshihiro; Nishi, Yasutaka; Sanada, Yasuyoshi; Mizuta, Tatsuji; Inoue, Ryo; and Ohara, Shinsuke, 4,851,153, Cl. 252-518.000.
- Sanada, Yuji: *See—*
  - Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; and Sanada, Yuji, 4,797,088, Cl. 431-15.000.
- Sanagi, Kenichiro, to Olympus Optical Co., Ltd. Endoscope treatment device. 4,857,057, 8-15-89, Cl. 604-164.000.
- Sanai, Shigeru: *See—*
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.
- Sanai, Yukiharu, to Mitsubishi Denki Kabushiki Kaisha. Rotating drum device for a VCR in which the position of the magnetic head is controlled by a magnetic positioning device. 4,882,635, 11-21-89, Cl. 360-10.200.
- Sanamitsu, Yuzuru: *See—*
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, 4,868,178, Cl. 514-241.000.
- Sanbayashi, Daisuke: *See—*
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
  - Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Akishino, Katsuo; Hirako, Osamu; and Murakami, Nobuaki, 4,810,317, Cl. 123-306.000.
- Sanbayashi, Takeshi: *See—*
  - Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,814,823, Cl. 355-14.00D.
  - Abuyama, Yasuo; Ide, Fumito; Hamanaka, Osamu; and Sanbayashi, Takeshi, 4,857,954, Cl. 355-245.000.
- Sanborn, James A.; and Boan, Bobby J., to Harris Corporation. Electroconductive adhesive. 4,880,570, 11-14-89, Cl. 252-512.000.
- Sanborn, James R.: *See—*
  - Fahmy, Mohamed H.; and Sanborn, James R., 4,855,474, Cl. 558-95.000.
- Sanbuichi, Hiroshi; Terasaka, Katsunori; and Nakagawa, Toyoaki, to Nissan Motor Company, Limited. Air fuel mixture A/F control system. 4,870,937, 10-3-89, Cl. 123-488.000.
- Sanbuichi, Hiroshi: *See—*
  - Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.
- Sancaktar, Erol, to Kendall Company, The. Tapered adhesive tape. 4,806,400, 2-21-89, Cl. 428-35.900.
- Sancen, Mario N.: *See—*
  - Rossi, Alexander N.; and Sancen, Mario N., 4,827,110, Cl. 235-376.000.
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- Sanchas, David K. Convertible car seat stroller. 4,828,281, 5-9-89, Cl. 280-30.000.
- Sanchem, Inc.: *See—*
  - Bibber, John W., 4,878,963, Cl. 148-262.000.
- Sanchez, Alfredo G. Deteriorated eavepost repair apparatus for houses having same. 4,866,901, 9-19-89, Cl. 52-514.000.
- Sanchez, Aracelia; and Cord, Don O. Liquid container opening device. 4,821,950, 4-18-89, Cl. 229-160.200.
- Sanchez, Domingo: *See—*
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- Sanchez, Ernest: *See—*
  - Tenorio, Abel; Sanchez, Ernest; and Adler, Stephen I., 4,834,282, Cl. 236-1.00G.
- Sanchez, Frades. Removable knives for punching cardboard slots. 4,819,534, 4-11-89, Cl. 83-671.000.
- Sanchez, George, to Clyde Industries Limited. Low profile gear driven rotary scrub brush. 4,856,133, 8-15-89, Cl. 15-29.000.
- Sanchez, George: *See—*
  - Dimitriu, Paul; Boyajian, John; Fils, Isaac; and Sanchez, George, 4,817,218, Cl. 4-515.000.
- Sanchez Giraldez, Jose H. Holding device for a belt for fitting to a bed frame. 4,815,686, 3-28-89, Cl. 248-228.000.
- Sanchez Gonzalez, Juan, to Balay, S.A. System for the induction heating of the electric plates of a cooker. 4,885,447, 12-5-89, Cl. 219-10.770.
- Sanchez, Hernando; Franczak, Richard M.; and Futter, Menachem, to Revlon, Inc. Sample strip and dispensing apparatus therefor. 4,883,197, 11-28-89, Cl. 221-26.000.
- Sanchez, Hernando: *See—*
  - Levine, Sol; and Sanchez, Hernando, 4,884,719, Cl. 221-25.000.
- Sanchez, Joseph P., to Warner-Lambert Company. Naphthyridine antibacterial agents containing an α-amino acid in the side chain of the 7-substituent. 4,851,418, 7-25-89, Cl. 514-300.000.
- Sanchez, Joseph P.: *See—*
  - Domagala, John M.; Mich, Thomas F.; and Sanchez, Joseph P., 4,822,801, Cl. 514-312.000.
  - Domagala, John M.; Hagen, Susan E.; Sanchez, Joseph P.; and Solomon, Marjorie S., 4,840,956, Cl. 514-312.000.
- Sanchez, Juan-Francisco S.: *See—*
  - Marin, Gerardo A.; Alonso, Enrique E.; and Sanchez, Juan-Francisco S., 4,863,569, Cl. 202-241.000.
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- Sanchez, Nadine: *See—*
  - Duranel, Laurent; and Sanchez, Nadine, 4,851,208, Cl. 423-490.000.
- Sanchez-Quesada, Francisco: *See—*
  - Case, Christopher; Loferski, Joseph J.; and Sanchez-Quesada, Francisco, 4,818,357, Cl. 204-192.250.
- Sanchez, Raymond. Barbecue apparatus. 4,852,476, 8-1-89, Cl. 99-443.00R.
- Sanchez, Richard E. Utility cut patch identification tag. 4,888,896, 12-26-89, Cl. 40-630.000.
- Sanchez, Robert. Utility shutoff method and device. 4,889,313, 12-26-89, Cl. 251-74.000.
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  - Desilets, Brian H.; Kaplan, Richard D.; Sachdev, Harbans S.; Sachdev, Krishna G.; and Sanchez, Susan A., 4,826,564, Cl. 156-643.000.
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  - Sherman, Victor; Zborovsky, Ilya; Sanchez, William; and Kovalenko, Wladimir, 4,852,545, Cl. 126-39.00H.
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- Sand, James R.; and Wendschlag, James C., to American Standard Inc. Flooded evaporator with enhanced oil return means. 4,829,786, 5-16-89, Cl. 62-468.000.
- Sandaas, Inge: *See—*
  - Ebeling, Jaakko; Pesonen, Jarmo; and Sandaas, Inge, 4,803,940, Cl. 114-72.000.
- Sandahl, Irvin V. Bouyant pop-up liner bait server. 4,864,769, 9-12-89, Cl. 43-55.000.
- Sandala, Michael G.: *See—*
  - Karabin, Richard F.; Niederst, Ken W.; Sandala, Michael G.; and Coleridge, Edward R., 4,812,215, Cl. 204-181.700.
- Sandbank, Charles P., to British Broadcasting Corporation. Device for the remote control of a videorecorder or a videoreceiver. 4,885,579, 12-5-89, Cl. 340-825.720.
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  - Oliphant, Andrew; and Sandbank, Charles P., 4,847,676, Cl. 358-12.000.

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Whitney, Wells; Kennedy, Brian; and Sandberg, Chester, 4,849,611, Cl. 219-538.000.
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Sandberg, Jan: *See—*
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Sandbrook, Thomas D.: *See—*
Oblad, Hayward B.; Nelson, Michael G.; and Sandbrook, Thomas D., 4,797,559, Cl. 250-227.000.
Sandefur, Charles W.; and Thomas, Thomas J., to Mobay Corporation. Dry dyestuff powders with enhanced water solubility. 4,802,888, 2-7-89, Cl. 8-524.000.
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Sandel, Dan: *See—*
Barron, John M.; Horan, Robert T.; Hoftman, Moshe M.; Noack, William L.; and Sandel, Dan, 4,844,252, Cl. 206-223.000.
Sandell, Michael A.; and Tulenko, Dennis M., to Wheelabrator Air Pollution Control, Inc. Spray nozzle and method of preventing solids build-up thereon. 4,846,402, 7-11-89, Cl. 239-9.000.
Sandels, Claes M. C. Artificial water lagoons. 4,881,847, 11-21-89, Cl. 405-52.000.
Sanden Corporation: *See—*
Akabane, Hidemitsu; Isobe, Toshimi; and Hoshino, Seiichi, 4,834,283, Cl. 236-13.000.
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Anazawa, Osamu, 4,872,592, Cl. 221-6.000.
Aoki, Kazumi; Kikuchi, Yukio; and Fukui, Tsuyoshi, 4,815,302, Cl. 62-378.000.
Azami, Katsumasa, 4,835,856, Cl. 29-156.600.
Fukuhara, Seiichi; and Fukushima, Eiji, 4,824,345, Cl. 418-55.000.
Gonda, Hideyuki, 4,808,870, Cl. 310-78.000.
Hasegawa, Masato, 4,815,952, Cl. 418-55.000.
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Higuchi, Teruo; and Takai, Kazuhiko, 4,850,810, Cl. 417-222.000.
Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, 4,875,834, Cl. 417-269.000.
Hiraga, Masaharu; and Terauchi, Kiyoshi, 4,824,346, Cl. 418-55.000.
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Inoue, Atsuo; and Sato, Motoharu, 4,843,834, Cl. 62-209.000.
Kazuhiko, Takai, 4,840,039, Cl. 62-244.000.
Kikuchi, Kazuto, 4,859,156, Cl. 417-319.000.
Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,865,523, Cl. 417-222.000.
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Kikuchi, Yasuo, 4,794,763, Cl. 62-228.100.
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Koitabashi, Takatoshi, 4,804,075, Cl. 192-84.00C.
Kondo, Ryohei; Harashima, Ikuo; and Sunouchi, Daigo, 4,815,633, Cl. 222-129.400.
Kurosawa, Akihito; Suzuki, Kazuyuki; Anazawa, Osamu; and Yoshihara, Masayuki, 4,854,477, Cl. 221-1.000.
Masuda, Kenji, 4,874,036, Cl. 165-42.000.
Matsushita, Takashi, 4,799,578, Cl. 192-84.00C.
Matsushita, Takashi, 4,828,090, Cl. 192-84.00C.
Matsushita, Takashi; and Yanai, Genzo, 4,874,973, Cl. 310-78.000.
Nakazawa, Takeharu, 4,844,150, Cl. 165-42.000.
Nara, Kenichi; and Takahashi, Ryoichi, 4,840,439, Cl. 312-116.000.
Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru; Ikeda Susumu; and Matsubayashi, Shinji, 4,831,837, Cl. 62-239.000.
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Sato, Kenichiro, 4,796,438, Cl. 62-133.000.
Sato, Motoharu, 4,840,038, Cl. 62-210.000.
Shimazaki, Seiji; and Imai, Soichiro, 4,834,336, Cl. 248-666.000.
Shimizu, Shigemi; Shimizu, Hidehiko; and Terauchi, Kiyoshi, 4,869,651, Cl. 417-269.000.
Shirai, Isamu; Ujiie, Susumu; and Koitabashi, Takeshi, 4,819,77 Cl. 192-84.00T.
Sugimoto, Kazuo; and Gonda, Hideyuki, 4,808,094, Cl. 418-1.000.
Sunaga, Mamoru, 4,807,446, Cl. 62-256.000.
Takahashi, Hareo; Terauchi, Kiyoshi; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,869,154, Cl. 92-71.000.
Takahashi, Hareo; Hatakeyama, Hideharu; and Kumagai, Shuz 4,870,893, Cl. 92-71.000.
Takai, Kazuhiko, 4,850,811, Cl. 417-222.000.
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Tamura, Yasuji, 4,877,118, Cl. 192-103.00R.
Terauchi, Kiyoshi, 4,842,488, Cl. 417-222.000.
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Terauchi, Kiyoshi; and Hiraga, Masaharu, 4,880,360, Cl. 417-222.000.
Terauchi, Kiyoshi, 4,882,909, Cl. 62-209.000.
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Ushikubo, Kohei, 4,879,540, Cl. 235-385.000.
Yutaka, Ishii, 4,831,701, Cl. 29-157.30R.
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Sander, Bernward; and Stille, Friedrich, to Volkswagen AG. Autom bile steering assembly with a telescopic steering column and a pull-away device for the upper steering column part. 4,862,761, 9-5-89, C 74-492.000.
Sander, Bruno; Marquardt, Siegfried; Lueth, Gero; Horn, Robert K. and Kempe, Uwe, to BASF Aktiengesellschaft. Cleaning and disposal of carbon black and ash containing wastewaters. 4,828,71 5-9-89, Cl. 210-710.000.
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Sander, Claus: *See—*
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Sander, Craig S.: *See—*
Dixit, Pankaj; Siiwa, Jack; Klein, Richard K.; Sander, Craig S.; an Farnaam, Mohammad, 4,884,123, Cl. 357-71.000.
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Sander, Rainald: *See—*
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Sander, Rembrandt, to Gebr. Hofmann GmbH & Co. KG Maschinenfabrik. Apparatus for conveying counterweights and retaining sprin from storage magazines to insertion heads of a wheel balancin installation. 4,861,214, 8-29-89, Cl. 414-225.000.
Sander, Theo: *See—*
Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Ste Hermann, 4,828,806, Cl. 423-213.500.
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Sander, Wendell; Huston, Dick; Broedner, Walter; and Huston, Cli ford, to Little Blue Limited Partnership. Peripheral device interfac and controller. 4,888,680, 12-19-89, Cl. 364-200.000.
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Bretscheidel, Hans-Ulrich; Kautz, Rudolf; and Sandermann, Karl-Heinz, 4,882,208, Cl. 428-17.000.
Sanders, Andrea: *See—*
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Sanders Associates, Inc.: *See—*
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Griffin, Daniel W., 4,866,663, Cl. 364-900.000.
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Kuppenheimer, John D., Jr.; and Kenne, John W., Jr., 4,816,694, Cl. 250-504.00R.
Labaugh, Kenneth D.; and Kuppenheimer, John D., Jr., 4,861,124, Cl. 350-6.500.
Lake, Ralph J., Jr.; and Liu, Dean-Yuan, 4,843,707, Cl. 29-432.000.
Lake, Ralph J., Jr.; Wiley, Franklyn L.; Coby, A. Daniel; and Pluth, John, Jr., 4,872,023, Cl. 346-1.100.
Lawrence, James; and Kapadya, Aftab H., 4,849,771, Cl. 346-139.00R.
Lawrence, James, 4,879,567, Cl. 346-139.00R.
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Sanders Brine Shrimp Company: *See—*
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Sanders, Bruce. Methods for temporomandibular joint small incision surgery. 4,815,464, 3-28-89, Cl. 128-305.000.
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Sanders, Carl H.: *See—*
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Sanders, Carolus T.: *See—*
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Sanders, Charles B.; Bow, Clark; DeVito, Ralph; and Hoffman, Louis S., to American Cyanamid Company. Method and apparatus for simultaneous and continuous delivery of liquids from a plurality of individual containers to a dispensing device. 4,795,059, 1-3-89, Cl. 222-1.000.
Sanders, Charles W. Portable car top tent. 4,830,036, 5-16-89, Cl. 135-88.000.
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Sanders, Edgar S., Jr.; Clark, Daniel O.; and Jensvold, John A., to Dow Chemical Company, The. Semi-permeable membranes with an internal discriminating region. 4,838,904, 6-13-89, Cl. 55-158.000.
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Hogan, Paul J.; Sanders, Evan; and DiGirolamo, Robert, 4,856,318, Cl. 73-12.000.
Sanders, Frederick W., to Mead Corporation, The. Transfer imaging system. 4,822,714, 4-18-89, Cl. 430-138.000.
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Sanders, Gary G.: *See—*
Friedman, Ernest H.; Sanders, Gary G.; and Hunter, Steven L., 4,802,484, Cl. 128-630.000.
Sanders, Georgius B. J.: *See—*
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Sanders, Gerhard; and Wessling, Erwin, to BBC Brown, Boveri Aktiengesellschaft. Method for removing an insulating fluid (PCB) from an electrical insulating part. 4,826,538, 5-2-89, Cl. 134-1.000.
Sanders, Glen A.: *See—*
Killpatrick, Joseph E.; and Sanders, Glen A., 4,871,253, Cl. 356-350.000.
Sanders, Harold F.; Cheng, Yu-Ling; Enscore, David J.; and Libicki, Shari B., to ALZA Corporation. Transdermal drug composition with dual permeation enhancers. 4,820,720, 4-11-89, Cl. 514-356.000.
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Sanders, Herbert A. Nestable bed. 4,879,774, 11-14-89, Cl. 5-8.000.
Sanders, Horst: *See—*
Becker-Ross, Helmut; Florek, Stefan; Kerstan, Felix; Moebius, Guenther; and Sanders, Horst, 4,856,898, Cl. 356-328.000.
Sanders, Irl R., III, to Tambrands Inc. Tampon applicator. 4,846,802, 7-11-89, Cl. 604-15.000.
Sanders, James F., to Minnesota Mining and Manufacturing Company. Subbed supports for imaging materials. 4,853,316, 8-1-89, Cl. 430-272.000.
Sanders, Jerroll M. Pacifier shield. 4,852,569, 8-1-89, Cl. 128-360.000.
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Sanders, John T., to A. W. Schlottmann. Binary fluid system, and components thereof, for producing an impregnated metered fluid stream. 4,879,027, 11-7-89, Cl. 210-123.000.
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Sanders, Kenneth L. Pneumatic grain conveyor and related method. 4,846,608, 7-11-89, Cl. 406-144.000.
Sanders, Lambert: *See—*
Ostrup, Heinrich; and Sanders, Lambert, 4,864,807, Cl. 56-60.000.
Sanders, Mark S., to W. L. Gore & Associates, Inc. Method for soldering a metal ferrule to a flexible coaxial electrical cable. 4,858,310, 8-22-89, Cl. 29-828.000.
Sanders, Martin E.; Joiner, Keith A.; Frank, Michael M.; and Hammer, Carl H., to United States of America, Health and Human Services. Kit for assaying activation of terminal complement cascade. 4,820,635, 4-11-89, Cl. 435-7.000.
Sanders, Maurice T.: *See—*
Hamlin, Jack W.; Logan, Bradley C.; Richards, William A.; Sanders, Maurice T.; and Wyckoff, Robert C., 4,835,459, Cl. 324-73.00R.
Sanders, Merwyn H. Picture hanger and fastener. 4,863,136, 9-5-89, Cl. 248-490.000.
Sanders, Michael J.: *See—*
Cerdan-Diaz, Juan M.; Sanders, Michael J.; and Wellar, Mark E., 4,822,679, Cl. 428-392.000.
Sanders, Myron D., to Firestone Tire & Rubber Company, The. Elastomeric hinge spring. 4,794,669, 1-3-89, Cl. 16-341.000.
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Sanders, Robert E., Jr.; Kaanta, Henry W.; McBride, John K.; Milner, Milton W.; Perigo, Terry A.; and Shelby, Samuel L., to Aluminum Company of America. Coated sheet stock. 4,812,183, 3-14-89, Cl. 148-439.000.
Sanders, Robert J.: *See—*
Fuller, Robert T.; and Sanders, Robert J., 4,872,580, Cl. 211-45.000.
Sanders, Robert N.: *See—*
Laurent, Sebastian M.; and Sanders, Robert N., 4,820,526, Cl. 426-2.000.
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- Sanders, William E. Vehicle parking guide. 4,813,758, 3-21-89, Cl. 350-97.000.
- Sanders, William J., to ITH, Inc. Cardiac probe enabling use of personal computer for monitoring heart activity or the like. 4,858,617, 8-22-89, Cl. 128-696.000.
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- Sanderson, John E., to Schering Corporation. Transdermal delivery of enantiomers of phenylpropanolamine. 4,818,541, 4-4-89, Cl. 424-448.000.
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  - Engelstad, Jonathan L.; and Sanderson, Leon F., 4,866,918, Cl. 56-10.300.
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  - Schrepf, Volker; and Hartel, Franklin J., 4,861,179, Cl. 401-129.000.
- Sanderson, Neil E.: *See—*
  - Hall, David J.; Sanderson, Neil E.; and Hall, Edward F. H., 4,853,539, Cl. 250-288.000.
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- Sanderson, Stephen J.: *See—*
  - Mullen, Joseph F.; and Sanderson, Stephen J., 4,804,118, Cl. 222-641.000.
- Sanderson, Terry L., to Kovac, S. Robert, a part interest. Surgical cannula. 4,863,439, 9-5-89, Cl. 604-264.000.
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- Sandgren, John A. Treadle cycle. 4,828,284, 5-9-89, Cl. 280-221.000.
- Sandham, H. J.; and Balanyk, Thomas E., to University of Toronto Innovations Foundation. Benzoin antimicrobial dental varnishes. 4,883,534, 11-28-89, Cl. 106-35.000.
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- Sandig, Bruce D., to Dial Manufacturing, Inc. Double valve apparatus. 4,820,408, 4-11-89, Cl. 210-98.000.
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  - Elsner, Hans F. K.; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,841,102, Cl. 174-35.0GC.
  - Prott, Albert; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,825,015, Cl. 174-35.0GC.
- Sandler, Stanley R., to Pennwalt Corporation. Propanone 1,3-disulfonic acid as an esterification catalyst. 4,845,270, 7-4-89, Cl. 560-205.000.
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- Sandling, Kjell H., to Besam Aktiebolag. Arrangement in revolving door assemblies. 4,843,761, 7-4-89, Cl. 49-41.000.
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- Sandor, Joyce. Jewelry storage container. 4,850,658, 7-25-89, Cl. 312-225.000.
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  - Auerbach, Gunther; and Moser, Helmut A., 4,840,642, Cl. 8-549.000.
  - Avar, Lajos, 4,859,725, Cl. 524-91.000.
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  - Badertscher, Markus, 4,834,896, Cl. 252-8.570.
  - Baumann, Hans-Peter, 4,797,131, Cl. 8-436.000.
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  - Bitterli, Peter; Geisel, Manfred; Goldmann, Jurgen; and Kaul, Bansi L., 4,838,943, Cl. 106-400.000.
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  - Brutsch, Emil, 4,884,693, Cl. 206-470.000.
  - Carlough, Mark S.; and Meszaros, Laszlo A., 4,801,303, Cl. 8-532.000.
  - Carney, Robert L.; Lui, Alfred S. T.; Kuhnen, Fred; and Gruber, John M., 4,859,699, Cl. 514-447.000.
  - Carney, Robert L.; and Brown, Thomas L., 4,877,899, Cl. 560-262.000.
  - Casciani, Robert V., 4,855,075, Cl. 252-174.210.
  - Danner, Bernard; and Schleusener, Eckart, 4,885,325, Cl. 524-236.000.
  - Dien, Michel; and Holliger, Herbert, 4,834,769, Cl. 8-436.000.
  - Dixon, Michael W., 4,881,941, Cl. 8-482.000.
  - Doswald, Paul; and von Tobel, Hans-Rudolf, 4,843,152, Cl. 534-701.000.
  - Franz, Joachim; Prikoszovich, Walter; and Brich, Zdenek, 4,801,739, Cl. 560-185.000.
  - Frauenknecht, Josef; and Schwer, Dieter, 4,852,991, Cl. 8-586.000.
  - Gadient, Fulvio; and Vogel, Arnold, 4,855,288, Cl. 514-45.000.
  - Gailly, Jean-Marc; Gomez, Daniel; Burguiene Martine; Gen Andre; and Remy, Jean, 4,867,977, Cl. 424-687.000.
  - Gruber, John M., 4,849,536, Cl. 558-351.000.
  - Helfenberger, Hans, 4,795,640, Cl. 424-405.000.
  - Henzi, Beat, 4,874,392, Cl. 8-662.000.
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  - Holliger, Herbert, 4,820,309, Cl. 8-437.000.
  - Karamata, Dimitri; and Piot, Jean-Christophe, 4,797,279, Cl. 424-93.000.
  - Kaspar, Jan; and Schmid, Pierre, 4,832,700, Cl. 23-313.0FB.
  - Kaul, Bansi L., 4,879,373, Cl. 534-864.000.
  - Kissel, Thomas; Reinhardt, Jurg; and Schrank, Hennetu, 4,863,740, Cl. 424-450.000.
  - Kissling, Bruno; and Robinson, Tibor, 4,838,896, Cl. 8-554.000.
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  - Koch, Werner, 4,866,163, Cl. 534-634.000.
  - Latella, Anthony; and Casciani, Robert V., 4,879,399, Cl. 558-34.000.
  - Markstein, Rudolf; and Palacios, Jose, 4,855,306, Cl. 514-280.000.
  - Nickell, Louis G.; Stach, Leonard J.; and Wu, Frank, 4,826,526, Cl. 71-74.000.
  - Ott, Hans, 4,849,423, Cl. 514-253.000.
  - Pearce, Robert C., III, 4,823,986, Cl. 222-54.000.
  - Pedrazzi, Reinhard, 4,833,235, Cl. 534-608.000.
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  - Pedrazzi, Reinhard, 4,876,342, Cl. 544-14.000.
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  - Robinson, Tibor; and Wolf, Rainer, 4,883,615, Cl. 428-423.100.
  - Schaub, Fritz, 4,849,439, Cl. 514-383.000.
  - Schleusener, Eckart, 4,864,007, Cl. 526-218.100.
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  - Schneider, Hermann, 4,806,656, Cl. 549-69.000.
  - Stevenson, Walter R.; and Kelman, Arthur, 4,820,699, Cl. 514-147.000.
  - Vigouret, Jean-Marie, 4,795,759, Cl. 514-429.000.
  - Welzel, Dieter; and Buhlmann, Hans, 4,797,404, Cl. 514-288.000.
  - Wiedemann, Achim, 4,830,764, Cl. 252-8.600.
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  - Wiedmer, Hans, 4,835,169, Cl. 514-383.000.
  - Williams, John W., 4,859,233, Cl. 71-100.000.
  - Yee, Benjamin K. C.; and Younan, William L., 4,870,119, Cl. 523-417.000.
- Sandoz Pharm. Corp.: *See—*
  - Anderson, Paul L., 4,804,679, Cl. 514-460.000.
  - Anderson, Robert C.; Houlihan, William J.; Smith, Howard C.; and Villhauer, Edwin B., 4,845,129, Cl. 514-600.000.
  - Barcza, Sandor, 4,824,950, Cl. 546-14.000.
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  - Feltz, Dennis R.; Kornblum, Saul S.; and Stoopak, Samuel B., 4,871,546, Cl. 424-482.000.
  - Heller, Jorge; and Penhale, Donald W. H., 4,801,457, Cl. 424-422.000.
  - Kapa, Prasad K., 4,841,071, Cl. 549-214.000.
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  - Kathawala, Faizulla G., 4,822,799, Cl. 514-303.000.
  - Tomesch, John C., 4,820,718, Cl. 514-336.000.
  - Tomesch, John C.; Prashad, Mahavir; and Houlihan, William J., 4,868,319, Cl. 549-496.000.
  - Wareing, James R., 4,808,607, Cl. 514-400.000.
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  - Neri, Carlo; Nodari, Nereo; [illegible]anetti, Erik; and Sandre, Giovanni, 4,810,579, Cl. 428-405.000.
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  - Alm, Sture I. E., 4,827,619, Cl. 30-507.000.
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  - Bergstrom, Bert E.; and Lindberg, Hans E., 4,831,674, Cl. 10-140.000.
  - Brandt, Nils G. L.; and Thelin, Anders G., 4,849,381, Cl. 501-89.000.
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  - Karlsson, Kurt O.; and Karlsson, Leif E., 4,889,455, Cl. 408-188.000.
  - Larsson, Kenneth L., 4,861,209, Cl. 411-411.000.
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  - Lundell, Lars-Gunnar, 4,872,515, Cl. 173-132.000.
  - Odelstam, Carl T., 4,858,682, Cl. 165-84.000.
  - Oskarsson, Rolf G.; and Eriksson, Erik G., 4,869,974, Cl. 428-328.000.
  - Pettersson, Lars T., 4,844,668, Cl. 407-117.000.
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  - Chuang, Jo-Yu, 4,878,550, Cl. 175-296.000.
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  - Hester, Jackson B., Jr.; Thaisrivongs, Suvit; Sawyer, Tomi K.; TenBrink, Ruth E.; Saneii, Hossain H.; Schostarez, Heinrich J.; and Pals, Donald T., 4,880,781, Cl. 514-18.000.
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  - Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.
  - Kawamura, Shinichi; Sanemitsu, Yuzuru; Hamada, Tatsuhiro; and Yoshida, Ryo, 4,849,011, Cl. 71-94.000.
- Saner, Thomas: *See*—
  - Piot, Julien; Schneider, Marcel; and Saner, Thomas, 4,847,702, Cl. 360-40.000.
- Saneski, Steven P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Clock skew correction arrangement. 4,839,907, 6-13-89, Cl. 375-113.000.
- Saneto, Kazuyoshi; and Hisamiti, Masaki, to Yokohama Rubber Co., Ltd., The. Radial tire. 4,865,102, 9-12-89, Cl. 152-531.000.
- San Filipo, Frank J. Fuel supply mechanism for an internal combustion engine. 4,881,507, 11-21-89, Cl. 123-523.000.
- Sanfilippo, Pauline: *See*—
  - Press, Jeffery B.; and Sanfilippo, Pauline, 4,861,897, Cl. 548-217.000.
- Sanfilippo, Philip M. Multiple cartridge filling device having a plurality of measuring cavities. 4,827,827, 5-9-89, Cl. 86-33.000.
- Sanford, Carlton E., to Texas Instruments Incorporated. Pressure switch apparatus having improved longevity and widened tolerance for location of stationary contact. 4,853,503, 8-1-89, Cl. 200-83.00P.
- Sanford, Carlton E., to Texas Instruments Incorporated. Pressure switch apparatus having improved longevity and widened tolerence for location of stationary contact. 4,861,953, 8-29-89, Cl. 200-83.00P.
- Sanford, Lawrence: *See*—
  - Stokley, Charles O.; and Sanford, Lawrence, 4,823,882, Cl. 166-387.000.
- Sanford, Norman A.: *See*—
  - Robinson, William C.; and Sanford, Norman A., 4,887,878, Cl. 350-96.130.
- Sanford Redmond Inc.: *See*—
  - Redmond, Sanford, 4,819,406, Cl. 53-51.000.
- Sang, Emmanuel: *See*—
  - Herrick, Geoffrey C.; and Sang, Emmanuel, 4,845,397, Cl. 310-348.000.
- Sangamo Weston, Inc.: *See*—
  - Dyck, Rudolph H., and Kim, Jae S., 4,876,586, Cl. 357-30.000.
  - Goodwin, R. Wendell, 4,847,554, Cl. 324-127.000.
  - Gray, Donald E., 4,827,123, Cl. 250-231.0SE.
  - Rouse, Donald W.; Horwitz, Lawrence B.; and Wiggins, E. Thomas, 4,804,938, Cl. 340-310.00A.
  - Swanson, Scott C., 4,875,783, Cl. 374-170.000.
  - Swanson, Scott C., 4,879,558, Cl. 341-51.000.
- Sangen, Masashi: *See*—
  - Nakamura, Naoyuki; and Sangen, Masashi, 4,841,193, Cl. 313-318.000.
- Sanger, Gareth J.; and Marr, Helen E., to Beecham Group p.l.c. Novel treatment. 4,845,092, 7-4-89, Cl. 514-216.000.
- Sanger, Gareth J.: *See*—
  - Wootton, Gordon; and Sanger, Gareth J., 4,851,407, Cl. 514-213.000.
- Sanger, Hans D., to Hoechst Aktiengesellschaft. Apparatus for separating test strips. 4,796,744, 1-10-89, Cl. 198-397.000.
- Sanghvi, Narendra T.: *See*—
  - Fry, Francis J.; and Sanghvi, Narendra T., 4,858,613, Cl. 128-660.030.
- Sangiorgio, Elio: *See*—
  - Emiliani, Giovanni; Nati, Maurizio; and Sangiorgio, Elio, 4,810,160, Cl. 414-543.000.
- Sanglet, Philippe R., to Morton Thiokol, Inc. Process for the production of sodium hydrosulfite. 4,859,447, 8-22-89, Cl. 423-515.000.
- Sanglier, Jean Jacques: *See*—
  - Kobel, Hans; Sanglier, Jean-Jacques; Tscherter, Hans; and Bolliger, Georg, 4,804,660, Cl. 514-250.000.
- Sango, Daniel: *See*—
  - Fouillout, Christian; and Sango, Daniel, 4,805,697, Cl. 166-265.000.
- Sangregory, Jude: *See*—
  - Wirt, Michael L.; Sangregory, Jude; and Bridges, Mark E., 4,858,003, Cl. 358-102.000.
- Sangu, Kazuhito, to Honda Giken Kogyo Kabushiki Kaisha. Message display device for motor vehicle. 4,864,754, 9-12-89, Cl. 40-593.000.
- Sangyoji, Kazuo; and Sasaki, Ichiro, to Brother Kogyo Kabushiki Kaisha. Exposure device utilizing a liquid crystal shutter matrix. 4,810,058, 3-7-89, Cl. 350-331.00R.
- Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, to Brother Kogyo Kabushiki Kaisha. Method of recording information on photosensitive and pressure-sensitive sheet utilizing mask original form. 4,810,614, 3-7-89, Cl. 430-138.000.
- Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, to Brother Kogyo Kabushiki Kaisha. Developing apparatus for photo/pressure sensitive sheet. 4,814,808, 3-21-89, Cl. 354-304.000.
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  - Hatta, Naoyuki; Yoshihara, Hideo; Izaki, Takeshi; Sawa Akihiro; Yamamoto, Takemi; and Sangyoji, Kazuo, 4,797, Cl. 434-408.000.
  - Sonoda, Takakuni; Tanabe, Kazunori; Iwase, Morikazu; Sang Kazuo; and Kato, Tokunori, 4,884,082, Cl. 346-105.000.
- Sanielevici, Sergio A., to Tektronix, Inc. Integrated sample and circuit. 4,873,457, 10-10-89, Cl. 307-353.000.
- Sanielevici, Sergio A., to Tektronix, Inc. High speed circuit with porting auxiliary circuit. 4,885,545, 12-5-89, Cl. 328-151.000.
- Sanik, Paul S.; Shreve, Dennis H.; and Varrasso, Eugene C., to Owe Corning Fiberglas Corporation. Distributed control syste 4,819,149, 4-4-89, Cl. 364-132.000.
- Saniscalchi, Lucio. Method for protection and waterproofing of lines in padding and padded garments. 4,803,109, 2-7-89, 428-104.000.
- Sanitation Equipment Limited: *See*—
  - Stewart, John M., 4,817,215, Cl. 4-236.000.
- Sanitech, Inc.: *See*—
  - Nelson, Brian W., and Nelson, Sidney G., 4,829,036, Cl. 502-5
  - Nelson, Sidney G., 4,806,320, Cl. 423-239.000.
- Sanitek Products, Inc.: *See*—
  - Bronner, James A.; and Ostroff, Ronald K., 4,849,117, 252-3.000.
- Sanitized Ag: *See*—
  - Mebes, Bruno; and Ludi, Christine, 4,845,256, Cl. 556-41
- Sanitoy, Inc.: *See*—
  - Boucher, Richard A.; and Abrams, Randy L., 4,831,7 4-253.000.
- Sanix, Inc.: *See*—
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- Sanjurjo, Angel; and Pressacco, Sylvia, to SRI International. Pro for purification of solid material. 4,828,814, 5-9-89, Cl. 423-34
- Sankar, Ashok: *See*—
  - Claus, Richard O.; and Sankar, Ashok, 4,809,362, Cl. 455-6
- Sankar, Nott G.; Pileeki, Victor T.; and Zahaykevich, George A. Digital Equipment Corporation; and Advanced Laser Systems Drilling apparatus and method. 4,839,497, 6-13-89, Cl. 219-121
- Sankar, Priyamvada: *See*—
  - Warner, Glenfield, 4,834,107, Cl. 128-668.000.
- Sankar, Sreenivasan: *See*—
  - Barnard, John K.; Boozer, Richard D.; and Sankar, Sreeniva 4,822,175, Cl. 366-347.000.
- Sankarasub-Ramanian, Hariharan: *See*—
  - Singh, Vir B.; Moorthy, Kanniah N. G. K.; Kaushik, Padm K.; and Sankarasub-Ramanian, Hariharan, 4,875,90 8-94.270.
- Sankei Giken Kogyo Kabushiki Kaisha: *See*—
  - Fukuda, Masuo, 4,851,298, Cl. 428-588.000.
- Sankei Pharmaceutical Co., Ltd.: *See*—
  - Shimizu, Shigeo; Takano, Hiroyuki; and Yagihashi, F 4,808,711, Cl. 540-227.000.
- Sanken Airpax Ltd.: *See*—
  - Saito, Hidetoshi; Kume, Masahiro; and Morita, Sakae, 4,88 Cl. 324-167.000.
- Sankey, Edward L.: *See*—
  - Boliver, Vincent J.; Rosciszewski, Paul M.; Sankey, Edward L. DeMeyer, Roy W., 4,857,021, Cl. 439-801.000.
- Sankey, James K.: *See*—
  - Hehn, Bruce A.; and Sankey, James K., 4,889,244, Cl. 21
- Sankey, John P.: *See*—
  - Sanderson, William R.; and Sankey, John P., 4,887,9 260-402.000.
- Sankey Vending Limited: *See*—
  - Davies, Robert; and Johndrow, John P., 4,871,086, Cl. 221
  - Murray, David R. V., 4,871,054, Cl. 194-212.000.
- Sankhagowit, Thanomsak, to National Semiconductor Corpora Method for making a pre-testable semiconductor die pa 4,801,561, 1-31-89, Cl. 437-207.000.
- Sanki Electronic Industry Co., Ltd.: *See*—
  - Kawamura, Takeyoshi, 4,875,133, Cl. 361-230.000.
- Sanki Engineering Ltd.: *See*—
  - Nunogaki, Yoshiaki, 4,813,420, Cl. 126-633.000.
  - Nunogaki, Yoshiaki, 4,858,961, Cl. 285-98.000.
  - Nunogaki, Yoshiaki, 4,877,523, Cl. 210-198.200.
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  - Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,3 433-200.100.
- Sankin Kogyo Kabushiki Kaisha: *See*—
  - Kato, Isamu; Yuhda, Sadayuki; Oda, Naoki; and Sug Masahiro, 4,822,567, Cl. 420-95.000.
  - Yuhda, Sadayuki, 4,800,156, Cl. 435-296.000.
- Sanko Concrete Building Material Manufacturing Co., Ltd.: *See*—
  - Noborisaka, Mitsuo; Noborisaka, Masashi; Fukaga Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuji; Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-5
- Sanko Giken Kogyo Co., Ltd.: *See*—
  - Akutsu, Kenzo; and Shiraishi, Takashi, 4,865,448, Cl. 356-2
- Sankoda, Tomoo: *See*—
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Y Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.

- Sankosha Corporation: *See*—
  - Igarashi, Yoshio; and Jinno, Tetsumi, 4,851,946, Cl. 361-124.000.
- Sankrithi, Mithra M. K. V.: *See*—
  - Sankrithi, Usha M.; and Sankrithi, Mithra M. K. V., 4,834,420, Cl. 280-728.000.
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- Sankyo Company Limited: *See*—
  - Inaoka, Yoshinori; Takahashi, Shuji; Tamaoki, Hidetsune; and Enokita, Ryuzo, 4,804,676, Cl. 514-423.000.
  - Ishikawa, Toshimitsu; and Tamura, Katsuhide, 4,817,367, Cl. 53-454.000.
  - Kaneko, Isao, 4,883,784, Cl. 514-8.000.
  - Matsumoto, Keigo; Yokoi, Shinji; and Fujii, Katsutoshi, 4,845,097, Cl. 514-234.200.
  - Nakagawa, Fumio; Tsujita, Yoshio; and Yamazaki, Mitsuo, 4,822,879, Cl. 544-277.000.
  - Sato, Kazuo; Kinoto, Takao; Mio, Shigeru; and Yanai, Toshiaki, 4,835,290, Cl. 549-264.000.
  - Terada, Atsusuke; Amemiya, Yoshiya; Matsuda, Keiichi; and Oshima, Takeshi, 4,847,272, Cl. 514-337.000.
  - Terahara, Akira; and Tanaka, Minoru, 4,820,865, Cl. 560-256.000.
  - Terahara, Akira; and Tanaka, Minoru, 4,866,093, Cl. 514-510.000.
  - Yoshioka, Takao; Kitazawa, Eiichi; Yamazaki, Mitsuo; and Iizuka, Yoshio, 4,871,762, Cl. 514-439.000.
  - Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, 4,873,255, Cl. 514-369.000.
- Sankyo Denki Co., Ltd.: *See*—
  - Minematu, Yoiti; Tajima, Toshio; and Nakajima, Shigeharu, 4,859,903, Cl. 313-487.000.
- Sankyo Engineering Co., Ltd.: *See*—
  - Nakamura, Susumu, and Yokoi, Koichi, 4,889,480, Cl. 425-577.000.
- Sankyo Kasei Kabushiki Kaisha: *See*—
  - Yumoto, Tetsuo, 4,812,275, Cl. 264-129.000.
  - Yumoto, Tetsuo, 4,812,353, Cl. 428-172.000.
- Sankyo Manufacturing Co.: *See*—
  - Kato, Heizaburo, 4,836,101, Cl. 100-215.000.
- Sankyo Manufacturing Company, Ltd.: *See*—
  - Hagan, Grant E., 4,850,336, Cl. 126-307.00R.
  - Kato, Heizaburo, 4,819,850, Cl. 226-162.000.
  - Kato, Heizaburo, 4,842,180, Cl. 226-176.000.
  - Kato, Heizaburo, 4,844,444, Cl. 271-268.000.
  - Kato, Heizaburo, 4,848,636, Cl. 226-152.000.
  - Kato, Heizaburo, 4,869,411, Cl. 226-142.000.
  - Kato, Heizaburo, 4,881,828, Cl. 384-127.000.
  - Kato, Heizaburo, 4,883,210, Cl. 226-100.000.
  - Kato, Heizaburo, 4,884,433, Cl. 72-446.000.
- San Luis, Carlos T.: *See*—
  - Azzarello, Joseph A.; San Luis, Carlos T.; and Wagenbach, Gerald L., 4,862,971, Cl. 172-450.000.
- Sanma, Shoji: *See*—
  - Mihara, Takahisa; and Sanma, Shoji, 4,795,925, Cl. 310-68.00B.
- Sanmatsu Kogyo Kabushiki Kaisha: *See*—
  - Yoshida, Tsukasa; Ishige, Yoshio; Matsudaira, Masaki; and Takahashi, Tadashi, 4,840,807, Cl. 426-48.000.
- Sanmei Denki Kabushiki Kaisha: *See*—
  - Izumi, Akira; Kishi, Tomomi; and Niwa, Hideo, 4,840,417, Cl. 294-65.500.
- Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, to Dainichiseika Color & Chemicals Mfg. Co. Ltd. Seed colorant. 4,853,429, 8-1-89, Cl. 524-29.000.
- Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, to Dainichiseika Color & Chemicals Mfg. Co. Ltd. Seed colorant. 4,881,343, 11-21-89, Cl. 47-57.600.
- Sanner, Axel: *See*—
  - Elzer, Albert; Sanner, Axel; Schupp, Hans; and Beck, Erich, 4,842,987, Cl. 430-281.000.
  - Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, 4,801,460, Cl. 424-465.000.
  - Goertz, Hans-Helmut; Straub, Ferdinand; Sanner, Axel; Kolb, Albrecht; Raubenheimer, Hans-Juergen; and Vogel, Friedrich, 4,841,066, Cl. 548-335.300.
  - Hofmann, Reiner; and Sanner, Axel, 4,806,449, Cl. 430-281.000.
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  - Nuber, Adolf; Sanner, Axel; and Urban, Dieter, 4,795,802, Cl. 528-482.000.
  - Nuber, Adolf; Denzinger, Walter; and Sanner, Axel, 4,816,534, Cl. 526-227.000.
- Sanner, Kenneth E.: *See*—
  - Senge, F. Gerhard; Watson, Angus A.; Sanner, Kenneth E., and Corbin, Terry R., 4,859,298, Cl. 204-146.000.
- Sanner, Martin W., to Tandem Computers Incorporated. Two-stage synchronizer. 4,821,295, 4-11-89, Cl. 375-110.000.
- Sanner, Martin W., and Chandra, Seema, to Tandem Computers Incorporated. State machine checker. 4,845,712, 7-4-89, Cl. 371-25.000.
- Sanner, Martin W., to Tandem Computers Incorporated. Parity regeneration self-checking. 4,872,172, 10-3-89, Cl. 371-49.100.
- Sanner, Martin W., to Tandem Computers Incorporated. Synchronization failure detection. 4,876,701, 10-24-89, Cl. 375-106.000.
- Sanner, Martin W., to Tandem Computers Incorporated. Scan data path coupling. 4,879,718, 11-7-89, Cl. 371-22.300.
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  - Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.
- Sanner, Medford D., to Recognition Equipment Incorporated. Ambient illumination bar code reader. 4,874,933, 10-17-89, Cl. 235-470.000.
- Sanner, William S., Jr.: *See*—
  - Mallory, Charles W.; Watts, Ralph E.; Sanner, William S., Jr.; Disibio, Ralph R.; Lilley, Arthur W.; Winston, Steven J.; Steklin, Billy C.; and Razor, John E., 4,845,372, Cl. 250-506.103.
- Sannikov, Rashit K.: *See*—
  - Galiakharov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.
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- Sannohe, Kunio: *See*—
  - Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, 4,824,952, Cl. 546-141.000.
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- Sano, Akira; Kubo, Kunimichi; and Matsuura, Kazuo, to Nippon Oil Co., Ltd. Catalysts for polymerization of olefins. 4,849,390, 7-18-89, Cl. 502-113.000.
- Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoyama, Shigeki; and Kamiya, Takeshi, to Nippon Oil Co., Ltd. Process for the production of polyethylene materials. 4,879,076, 11-7-89, Cl. 264-28.000.
- Sano, Eiichi; Ohtani, Junji; and Kohri, Toshitaro, to Minolta Camera Kabushiki Kaisha. Binder-type carrier. 4,847,176, 7-11-89, Cl. 430-106.600.
- Sano, Eiichi: *See*—
  - Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohri, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.
  - Ohtani, Junji; Sano, Eiichi; and Kohri, Toshitaro, 4,822,709, Cl. 430-106.600.
  - Ohtani, Junji; Machida, Junji; Sano, Eiichi; and Masuda, Fumio, 4,861,693, Cl. 430-106.600.
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  - Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, 4,854,452, Cl. 209-534.000.
  - Yoshikawa, Eiichi; and Sano, Eisaku, 4,863,038, Cl. 209-534.000.
- Sano, Harunobu; Ichikawa, Hiroaki; Nishioka, Goro; and Sakabe, Yukio, to Murata Manufacturing Co., Ltd. Dielectric ceramic composition. 4,820,670, 4-11-89, Cl. 501-136.000.
- Sano, Harunobu; Sakabe, Yukio; and Nishioka, Goro, to Murata Manufacturing Co., Ltd. Ceramic capacitor and method of manufacturing the same. 4,875,136, 10-17-89, Cl. 361-321.000.
- Sano, Hideo: *See*—
  - Narita, Yoshihiro; Takimoto, Hiroshi; and Sano, Hideo, 4,808,192, Cl. 8-527.000.
- Sano, Hirohisa: *See*—
  - Imoto, Katsuyuki; and Sano, Hirohisa, 4,822,128, Cl. 350-96.160.
- Sano, Hiroshi: *See*—
  - Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.
  - Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.
  - Shibasaki, Ken-ichiro; Itoi, Hiroshi; Ohkubo, Shouichi; and Sano, Hiroshi, 4,879,211, Cl. 514-55.000.
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- Sano, Hiroyuki; Kizaki, Masatoshi; and Iwanaga, Yukiya, to Fuji Oil Company, Limited. Method for preparation of solid foodstuffs. 4,883,683, 11-28-89, Cl. 426-582.000.
- Sano, Jun-ichi; and Lewis, Edward T., to Raytheon Company. Variable field content addressable memory. 4,845,668, 7-4-89, Cl. 365-49.000.
- Sano, Katsuhiko: *See*—
  - Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.
- Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, to NKK Corporation. Apparatus for measuring a shape. 4,848,912, 7-18-89, Cl. 356-376.000.
- Sano, Kazuo; Miyazaki, Takao; and Yamada, Yoshiro, to Nippon Kokan Kabushiki Kaisha. Film thickness-measuring apparatus using linearly polarized light. 4,850,711, 7-25-89, Cl. 356-382.000.
- Sano, Kenji: *See*—
  - Yokoya, Hiroaki; Sano, Kenji; Tachikawa, Hiromichi; and Sato, Hideo, 4,800,146, Cl. 430-73.000.
- Sano, Kinji: *See*—
  - Mohri, Yoshio; and Sano, Kinji, 4,820,660, Cl. 501-8.000.

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Sano, Kinjiro: *See*—

Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.

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Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.

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Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.

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Sagisaka, Yasuo; and Sano, Ryuichi, 4,800,859, Cl. 123-497.000.

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Kawase, Toshihiro; and Sano, Sachiya, 4,870,229, Cl. 200-5.00B.

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Sano, Shigeo: *See*—

Kawami, Shigeru; Tabu, Takashi; Sano, Shigeo; and Masuda, Nobuyuki, 4,872,199, Cl. 379-413.000.

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Kawai, Taiyo; Nakagawa, Norihisa; and Sano, Shin-ichi, 4,856,473, Cl. 123-308.000.

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Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, 4,817,617, Cl. 128-660.050.

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Sano, Shojiro: *See*—

Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,870,048, Cl. 503-211.000.

Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu; and Iwakura, Ken, 4,876,233, Cl. 503-209.000.

Sano, Shunichi, to Nippon Oil and Fats Co., Ltd. Anti-corrosive paint composition. 4,810,293, 3-7-89, Cl. 106-14.210.

Sano, Tadaaki: *See*—

Suzuki, Masamichi; Sano, Tadaaki; Suzuki, Toshihiro; and Tanaka, Tsunehiko, 4,888,218, Cl. 427-383.900.

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Sato, Takashi; and Sano, Teruo, 4,851,921, Cl. 358-474.000.

Sano, Tetsuhiro: *See*—

Sogami, Atsushi; Katakabe, Noboru; Sano, Tetsuhiro; and Yoshi[illegible], 4,810,111, Cl. 400-120.000.

Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, to Dainippon Screen Mfg., Co., Ltd. System for inspecting pattern defects of printed wiring boards. 4,[illegible]99,175, 1-17-89, Cl. 364-552.000.

Sano, Tetsuo: *See*—

Hoki, Tetsuo; Sano, Tetsuo; Kitakado, Ryuji; Sezaki, Yoshinori; Hotta, Tomiji; and Yano, Hironobu, 4,797,939, Cl. 382-8.000.

Onishi, Hiroyuki; Sano, Tetsuo; Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, Cl. 382-8.000.

Umezu, Kenji; and Sano, Tetsuo, 4,840,220, Cl. 165-1.000.

Sano, Tomohiko: *See*—

Wakatsuki, Junya; Sano, Tomohiko; and Kurosaki, Tomihiro, 4,812,254, Cl. 252-135.000.

Sano, Toshifumi: *See*—

Komoto, Mitsuo; Matsuo, Youichi; and Sano, Toshifumi, 4,854,1 Cl. 165-80.400.

Sano, Toshihiko: *See*—

Ogawa, Soichiro; and Sano, Toshihiko, 4,803,399, Cl. 313-4[illegible].

Sano, Toshikazu, to Shinnihon Printing Co., Ltd. Transmittal article for magnetic cards. 4,887,763, 12-19-89, Cl. 229-71.000.

Sano, Yasuo; Morisue, Yasuhiro; Komiya, Kiyoshi; and Nakamura, Yoshimasa, to Takeda Chemical Industries, Ltd. Cross-linked resin composition from bis(2-oxazoline). 4,831,111, 5-16-89, Cl. 528-363.000.

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Sano, Yasuo; Shirahama, Kouichi; and Hiroso, Takahiko, to Takeda Chemical Industries, Ltd. Catalytic process for producing cross-linked resin from phenolic compound and bis-oxazoline. 4,843,1 6-27-89, Cl. 528-211.000.

Sano, Yasuro; Koide, Akio; Hyodo, Toru; Kobayashi, Fumihiko; Kawasato, Takayuki; and Osanai, Yasuhiko. Electronic sewing machine and presser foot particularly for buttonhole stitches and process for producing buttonhole stitches utilizing alternately operable sensor. 4,878,444, 11-7-89, Cl. 112-264.100.

Sano, Yasuro, to Janome Sewing Machine Co., Ltd. Device for attaching electronic circuit plate of computer-operated sewing machine. 4,881,478, 11-21-89, Cl. 112-259.000.

Sano, Yoshii; Totsu, Hideo; and Morihisa, Toshiharu, to Tamura Electric Works, Ltd. Bucket type coin accumulation apparatus. 4,841,5 6-20-89, Cl. 379-150.000.

Sano, Yoshikazu: *See*—

Mano, Hiroshi; Tsurusaki, Masayuki; Sano, Yoshikazu; and Shimizu, Junichi, 4,887,264, Cl. 370-58.200.

Sano, Yoshiki; and Tsukada, Masaaki, to Tamura Electric Works, Ltd. Called party response detecting apparatus. 4,811,386, 3-7-89, Cl. 379-132.000.

Sano, Yoshinori: *See*—

Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urabe, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.

Sano, Yoshio: *See*—

Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kato, Makoto, 4,868,355, Cl. 200-61.540.

Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.000.

Sano, Yoshitaka: *See*—

Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwai, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.

Sano, Yoshito: *See*—

Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, M 4,861,672, Cl. 426-607.000.

Sano, Y[illegible]; O[illegible], Michitaka; and Kawai, Masahide, to Hitachi, Ltd. Differential amplifier circuit. 4,820,997, 4-11-89, Cl. 330-252.000.

Sanocki, Stephen M.: *See*—

Fisher, Edward M.; and Sanocki, Stephen M., 4,802,791, Cl. 405-63.000.

Sanofi: *See*—

Badorc, Alain; and Frehel, Daniel, 4,847,265, Cl. 514-301.000.

Barbier, Alain; Breliere, Jean-Claude; and Garcia, Georges, 4,876,247, Cl. 514-89.000.

Bisagni, Emile; Chi Hung, Nguyen; and Pepin, Odile, 4,835,160, Cl. 514-292.000.

Blanda, Guy, 4,799,351, Cl. 53-446.000.

Bourguignon, Jean-Jacques; Chambon, Jean-Pierre; and Wermuth, Camille G., 4,810,705, Cl. 514-248.000.

Breliere, Jean C.; Emonds-Alt, Xavier; and Garcia, Georges, 4,876,248, Cl. 514-108.000.

Castro, Bertrand; and Fehrentz, Jean, 4,886,914, Cl. 564-343.000.

Comment, Alain; James, Yannick C.; Etienne, Jeanine; and Crisafulli, Emilio, 4,846,184, Cl. 128-633.000.

Descamps, Marcel; Nisato, Dino; and Verstraeten, Walter, 4,814,485, Cl. 560-39.000.

Descamps, Marcel; and Verstraeten, Walter, 4,816,598, Cl. 560-157.000.

Diaz, Joseph; Demarne, Henri; Roncucci, Romeo; and Schmelck, Paul-Henry, 4,797,469, Cl. 530-324.000.

Dormoy, Jean-Robert; and Heymes, Alain, 4,831,144, Cl. 546-113.000.

Lagarde, Gilles, 4,798,726, Cl. 426-40.000.

Mosse, Madeleine; Demarne, Henri; and Proietto, Vincenzo, 4,820,717, Cl. 514-317.000.

Radisson, Joel, 4,873,343, Cl. 549-74.000.

Radisson, Joel; and Braye, Emile, 4,876,362, Cl. 549-59.000.

Roger, Pierre; Fournier, Jean-Paul; and Leroy, Rolande, 4,883,903, Cl. 560-137.000.

Verniere, Jean Claude; Simiand, Jacques; and Keane, Peter E., 4,835,163, Cl. 514-312.000.

Wagnon, Jean; Guegan, Remy; LaCour, Colette; and Nisato, Dino, 4,840,935, Cl. 514-18.000.

Wermuth, Camille G.; Schlewer, Gilbert; and Heaulme, Michel, 4,873,243, Cl. 514-248.000.

Sanofi and Centre National De La Recherche Scientifique: *See*—

Bisagni, Emile R.; Nguyen, Hung C.; and de Cointet, Paul M., 4,870,180, Cl. 546-86.000.

Sanofi S.A.: *See*—

van Boeckel, Constant A. A.; Beetz, Tom; and Petitou, Maurice, 4,841,041, Cl. 536-118.000.

Sanok, John L.: *See*—

Reilly, Albert F.; and Sanok, John L., 4,826,[illegible]17, Cl. 425-116.000.

Sanoki, Takaya: *See*—

Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.

Sanoya Industries Co., Ltd.: *See*—

Anayama, Yoshimasa, 4,865,769, Cl. 252-478.000.

Sanozky-Dawes, Rosemary B.: *See*—

Klaenhammer, Todd R.; and Sanozky-Dawes, Rosemary B., 4,883,756, Cl. 435-252.300.

Sanpei, Isamu: *See*—

Satou, Yukimasa; Yatsuo, Tsutomu; Oikawa, Saburo; and Sanpei, Isamu, 4,825,270, Cl. 357-38.000.

Sanpei, Keiichi: *See*—

Kawasaki, Masami; Sanpei, Keiichi; and Nishida, Tetsuya, 4,845,929, Cl. 56-17.500.

Sanpho America, Inc.: *See*—

Sohma, Yoriko, 4,811,896, Cl. 229-89.000.

Sanraku Incorporated: *See*—

Fluri, Hans; and Mak, Ching Pong, 4,855,421, Cl. 540-357.000.

Shibamoto, Norio; Yoshioka, Takeo; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,853,[illegible] Cl. 514-414.000.

Yoshioka, Takeo; Chida, Nor[illegible]sa; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,812,563, Cl. 540-302.000.

Sanritsu Electric Company, Ltd.: *See*—

Takagi, Kusuo; and Inoue, Yuuzaburo, 4,835,497, Cl. 333-177.000.

Sans, Claude A.: *See*—

Meyer, Stephen F.; and Sans, Claude A., 4,8[illegible]1,680, Cl. 428-623.000.

Sansevero, Frank M.; Seehausen, Klaus; Rivera, James A.; Nguyen, Dat; and Borchers, Peter, to Otis Elevator Company. Curved escalator with fixed center constant radius path of travel. 4,883,160, 11-28-89, Cl. 198-328.000.

Sanshin Corporation: *See*—

Shimada, Shunsuke; and Sato, Takeshi, 4,842,780, Cl. 261-64.300.

Shimada, Shunsuke; and Sato, Takeshi, 4,851,259, Cl. 427-136.000.

Sanshin Industry Co., Ltd.: *See*—

Kohama, Takayuki; and Kojima, Hideo, 4,882,924, Cl. 72-254.000.

Sanshin Kagaku Kogyo Co., Ltd.: *See*—

Kouge, Katsushige, 4,857,656, Cl. 558-271.000.

Sanshin Kogyo Kabushiki Kaisha: *See*—

Grinde, James E.; and Kuroda, Kazuo, 4,836,12[illegible], Cl. 114-270.000.

Hasegawa, Junichi; and Takahashi, Hideharu, 4,872,858, Cl. 440-38.000.

Iwai, Tomio, 4,810,218, Cl. 440-66.000.

Iwai, Tomio, 4,821,687, Cl. 123-65.00P.

Kanno, Isao, 4,822,307, Cl. 440-1.000.

Kanno, Isao, 4,850,906, Cl. 440-2.000.

Kawamura, Minoru, 4,810,216, Cl. 440-2.000.

Kawamura, Minoru; and Inoue, Seiji, 4,817,466, Cl. 74-858.000.

Koike, Takashi; and Taguchi, Michihiro, 4,813,896, Cl. 440-61.000.

Koike, Takashi, 4,843,914, Cl. 74-858.000.

Koike, Takashi, 4,855,733, Cl. 340-870.190.

Koike, Takashi, 4,861,291, Cl. 440-1.000.

Koike, Takashi, 4,865,568, Cl. 440-2.000.

Mizusawa, Norihito; Gohara, Yoshihiro; and Nakayasu, Yoshikazu, 4,820,215, Cl. 440-88.000.

Nakahama, Ryoji; and Uchida, Tatsuki, 4,795,001, Cl. 184-6.180.

Nakahama, Ryoji, 4,811,717, Cl. 123-509.000.

Nakahama, Ryoji; and Kuragaki, Naoyoshi, 4,850,911, Cl. 440-86.000.

Nakamura, Tomoji; Sawada, Ryoji; and Nakamura, Kazuhiro, 4,821,567, Cl. 73-182.000.

Nakase, Ryoichi; and Nanami, Masayoshi, 4,811,560, Cl. 60-310.000.

Nakase, Ryoichi; Nanami, Masayoshi; and Inoue, Seiji, 4,813,898, Cl. 440-111.000.

Nakase, Ryoichi; and Inoue, Seiji, 4,850,908, Cl. 440-39.000.

Oishi, Hiroshi; and Mizusawa, Norihito, 4,832,641, Cl. 440-88.000.

Okazaki, Masaki; Sato, Kazutoshi; and Fujimoto, Hiroaki, 4,829,940, Cl. 123-41.390.

Okumura, Shigeo; and Inaba, Koshiro, 4,805,442, Cl. 73-35.000.

Onoue, Akihiro, 4,820,211, Cl. 440-83.000.

Outani, Hiroaki; and Inoue, Seiji, 4,887,692, Cl. 181-235.000.

Sakurai, Yoshihiro; Fukuda, Yoshihide; and Abe, Kouji, 4,881,370, Cl. 60-310.000.

Sougawa, Masafumi, 4,852,686, Cl. 181-229.000.

Takahashi, Hideharu, 4,813,895, Cl. 440-41.000.

Takahashi, Masanori; and Uchida, Tatsuki, 4,848,082, Cl. 60-285.000.

Takashima, Kazutoshi, 4,857,023, Cl. 440-88.000.

Torigai, Katsumi; and Takahashi, Masanori, 4,824,407, Cl. 440-1.000.

Torigai, Katsumi, 4,827,722, Cl. 60-599.000.

Torigai, Katsumi; and Takahashi, Masanori, 4,850,318, Cl. 123-352.000.

Tsunamoto, Kanichi; and Inoue, Seiji, 4,871,996, Cl. 340-521.000.

Watanabe, Eifu, 4,828,519, Cl. 440-88.000.

Yoshimura, Tsuyoshi, 4,831,822, Cl. 60-310.000.

Sansho Seiyaku Co., Ltd.: *See*—

Hatae, Shinkichi; and Nakashima, Kazuo, 4,847,074, Cl. 424-62.000.

Sansky, Michael J. Door annunciator. 4,843,374, 6-27-89, Cl. 340-547.000.

Sansom, Bernard F.: *See*—

Allen, William M.; Sansom, Bernard F.; Wilson, Alan D.; Prosser, Havard J.; and Groffman, David M., 4,880,628, Cl. 424-605.000.

Sansom Smith, Melanie J.: *See*—

Lipson, Erik; and Sansom Smith, Melanie J., 4,828,355, Cl. 351-51.000.

Sansone, Giorgio, to FIRIE di Giorgio Sansone S.A.S. Conveyor and/or accompanying belt. 4,863,419, 9-5-89, Cl. 474-237.000.

Sansone, Leonard F.: *See*—

Kemp, Eric E.; Miller, James H.; and Sansone, Leonard F., 4,826,423, Cl. 425-505.000.

Sansone, Michael J.; Gupta, Balaram; and Stackman, Robert W., to Hoechst Celanese Corporation. Sulfoalkylation of polybenzimidazole. 4,814,399, 3-21-89, Cl. 525-435.000.

Sansone, Michael J., to Hoechst Celanese Corporation. Polybenzimidazole ester and carboxylic acid. 4,814,400, 3-21-89, Cl. 525-435.000.

Sansone, Michael J.; Onorato, Frank J.; and Pulaski, Harry, to Hoechst Celanese Corp. Sulfonation of hydroxyethylated polybenzimidazole fibers. 4,826,502, 5-2-89, Cl. 8-115.590.

Sansone, Michael J., to Hoechst Celanese Corp. Cyanoethylation of hydroxyethylated polybenzimidazole polymers. 4,868,249, 9-19-89, Cl. 525-426.000.

Sansone, Michael J.: *See*—

Onorato, Frank J.; Sansone, Michael J.; and Schlask, Arthur, 4,814,228, Cl. 428-398.000.

Sansone, Reno D., to Wadell Equipment Company, Inc. Flexible machining system. 4,881,309, 11-21-89, Cl. 29-27.00A.

Sansone, Ronald P.; and Stelben, John J., to Pitney Bowes Inc. Electronic postage meter non-volatile memory systems having human visually readable and machine stored data. 4,817,002, 3-28-89, Cl. 364-200.000.

Sansone, Ronald P.; and Taylor, Michael P., to Pitney Bowes Inc. Unsecured postage applying system. 4,831,555, 5-16-89, Cl. 364-519.000.

Sansone, Ronald P.; Gelfer, George G.; Taylor, Michael P.; and Axelrod, Barry H., to Pitney Bowes Inc. Mail processing system with multiple work stations. 4,837,701, 6-6-89, Cl. 364-464.030.

Sansone, Ronald P.; and Fougere, Guy L., to Pitney Bowes Inc. Mailing system with postage value printing capability. 4,853,865, 8-1-89, Cl. 364-464.020.

Sansone, Ronald P.; and Chrosny, Wojciech M., to Pitney Bowes, Inc. Postage accounting device. 4,855,920, 8-8-89, Cl. 364-464.020.

Sansone, Ronald P., to Pitney Bowes Inc. Non-volatile memory display cell. 4,859,038, 8-22-89, Cl. 350-357.000.

Sansone, Ronald P.: *See*—

Baer, Patricia B.; Hunter, Kevin D.; Hart, William G.; Axelrod, Barry H.; and Sansone, Ronald P., 4,821,195, Cl. 364-464.020.

Check, Frank T.; and Sansone, Ronald P., 4,809,021, Cl. 346-108.000.

Hart, William G.; Breault, Michelle S.; Sansone, Ronald P.; Taylor, Michael P.; and Doeberl, Terrence M., 4,853,864, Cl. 364-464.020.

Sansonetti, Philippe; Boileau, Catherine; and D'Hauteville, Helene, to Institut Pasteur; and Institut National de la Sante et de la Recherche Medicale. Probe for DNA and a process for the detection of "shigellae" and entero-invasive strains of *Escherichia coli*. 4,816,389, 3-28-89, Cl. 435-6.000.

Sansoucy, Roger. Knock down semi-rigid inflatable canoe. 4,864,960, 9-12-89, Cl. 114-345.000.

Sansung Electron Devices Co. Ltd.: *See—*
  Lee, Eung-Sang; and Park, Sung-Joon, 4,848,878, Cl. 350-349.000.

Sant, Peter: *See—*
  Beverwijk, Christiaan D. M.; De Jong, Feike; and Sant, Peter, 4,873,004, Cl. 252-32.500.

Santa Barbara Medical Foundation Clinic: *See—*
  Robertson, William G., 4,804,375, Cl. 604-323.000.

Santa Barbara Research Center: *See—*
  Brooks, John J., 4,802,784; Cl. 403-24.000.
  Brooks, John J., 4,812,072, Cl. 403-24.000.
  Doty, Fred P., 4,885,067, Cl. 204-157.600.
  Eck, Robert E.; and Joyce, Richard J., 4,885,534, Cl. 324-158.00D.
  Gardner, Leland V., 4,804,832, Cl. 250-203.00R.
  Gardner, Leland V.; and Hardy, Arthur H., 4,824,245, Cl. 356-141.000.
  Goodnough, Mark A.; Suneman, John A., Jr.; and Hoffman, Alan W., 4,857,725, Cl. 250-214.00A.
  Hodges, Steven E.; and Kern, Mark T., 4,864,146, Cl. 250-504.00R.
  Holmes, Alan W., 4,855,588, Cl. 250-203.00R.
  Kosai, Kenneth, 4,885,619, Cl. 357-24.000.
  Malinowski, Frank R., 4,822,121, Cl. 350-6.600.
  Malinowski, Frank R.; and Pagano, Thomas S., 4,837,431, Cl. 250-235.000.
  Rich, Benjamin K., 4,886,240, Cl. 250-352.000.
  Schulte, Eric F.; and Olson, Eric D., 4,865,245, Cl. 228-116.000.
  Wellman, William H., 4,820,923, Cl. 250-352.000.
  Wellman, William H.; and Stannard, John E., 4,885,463, Cl. 250-252.100.

Santa Clara Plastics: *See—*
  Spearow, Ralph G., 4,860,643, Cl. 98-115.300.

Santa Fe Braun, Inc.: *See—*
  Grotz, Bernard J., 4,867,959, Cl. 423-360.000.

Santa Fe Energy Company: *See—*
  Jones, Jeffrey A., 4,824,614, Cl. 261-76.000.

Santa Fe International Corporation: *See—*
  Bhalaik, Arun; Braddick, Peter W.; Brittin, Darryl S.; and Johnson, Gerald L., 4,808,036, Cl. 405-217.000.
  Recalde, Carlos E., 4,820,082, Cl. 405-168.000.

Santa, Jose L., to Joe Santa & Associates Pty. Ltd. Radial piston drive motor assembly with exhaust passages in cylinder. 4,829,879, 5-16-89, Cl. 91-493.000.

Santamaki, Harry J.; Korhonen, Ilkka O.; and Haikonen, Pentti O., to Valtion teknillinen tutkimuskeskus. Method and apparatus for detecting the most powerfully changed picture areas in a live video signal. 4,855,825, 8-8-89, Cl. 358-135.000.

Santamaria, Raphael: *See—*
  Bourgery, Guy R.; Lacour, Alain P.; Pourrias, Bernard M.; and Santamaria, Raphael, 4,831,051, Cl. 514-452.000.

Santana, Manuel R.: *See—*
  Eichenbaum, Bernard R.; and Santana, Manuel R., 4,859,023, Cl. 350-96.230.
  Kinard, Michael D.; Panuska, Andrew J.; Reynolds, Mickey R.; Santana, Manuel R.; and Webster, George H., 4,844,575, Cl. 350-96.230.

Santandrea, Luciano; and Lombardi, Massimo, to Axis S.p.A. Armature paper feeding, cutting, and inserting device. 4,878,292, 11-7-89, Cl. 29-734.000.

Santandrea, Luciano: *See—*
  Luciani, Sabatino; and Santandrea, Luciano, 4,831,716, Cl. 29-596.000.
  Luciani, Sabatino; and Santandrea, Luciano, 4,854,033, Cl. 29-596.000.

Santangelo, Joseph G.: *See—*
  Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., 4,814,370, Cl. 524-391.000.
  Kramer, Daniel P.; Santangelo, Joseph G.; and Weber, James J., 4,882,110, Cl. 264-63.000.
  Lambertsen, Christian J.; and Santangelo, Joseph G., 4,807,706, Cl. 169-45.000.

Santarelli, Paul: *See—*
  Cohn, Robert J.; Olsson, Frank C.; Holzman, James W.; and Santarelli, Paul, 4,846,537, Cl. 312-229.000.

Santarossa, Mario. Recoil pad for rifle. 4,887,374, 12-19-89, Cl. 42-73.000.

Santavaci, Jerome, to Intermark Amusements, Inc. Method and apparatus for determining the velocity and path of travel of a ball. 4,858,922, 8-22-89, Cl. 273-26.00R.

Santel, Hans-Joachim: *See—*
  Dickore, Karlfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,846,881, Cl. 71-93.000.
  Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
  Diehr, Hans-Joachim; Fest, Christa; Kristen, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Eue, Ludwig, 4,840,661, Cl. 71-90.000.
  Draber, Wilfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,846,876, Cl. 71-92.000.
  Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.
  Fest, Christa; Riebel, Hans-Jochem, Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,822,406, Cl. 71-93.000.
  Fest, Christa; Riebel, Hans-Jochem; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,846,879, Cl. 71-93.000.
  Gehring, Reinhold; Jensen-Korte, Uta; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,804,398, Cl. 71-92.000.
  Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert F.; and Lurssen, Klaus, 4,808,209, Cl. 71-92.000.
  Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,810,283, Cl. 71-92.000.
  Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,877,439, Cl. 71-86.000.
  Gehring, Reinhold; Klauke, Erich; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,882,437, Cl. 548-362.000.
  Jelich, Klaus; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,854,964, Cl. 71-92.000.
  Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R., and Strang, Harry, 4,874,424, Cl. 71-105.000.
  Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Santel, Hans-Joachim; and Schmidt, Robert R., 4,802,910, Cl. 71-93.000.
  Kluth, Joachim; Santel, Hans-Joachim; and Schmidt, Robert R., 4,832,733, Cl. 71-98.000.
  Sasse, Klaus; Hagemann, Hermann; Santel, Hans-Joachim; and Schmidt, Robert R., 4,797,146, Cl. 71-92.000.
  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.
  Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,871,387, Cl. 71-92.000.
  Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; and Schmidt, Robert R., 4,806,144, Cl. 71-92.000.
  Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,812,165, Cl. 71-92.000.
  Schwamborn, Michael; Klauke, Erich; Schmidt, Robert R.; Santel, Hans-Joachim; and Strang, Robert H., 4,877,443, Cl. 71-92.000.
  Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,799,951, Cl. 71-92.000.
  Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; and Lurssen, Klaus, 4,814,001, Cl. 71-92.000.
  Wroblowsky, Heinz-Jurgen; Kluth, Joachim; Tietjen, Klaus-Gunther; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,420, Cl. 71-93.000.

Santerelli, James E., to Owens-Illinois Closure Inc. Dispensing package for a viscous product. 4,838,461, 6-13-89, Cl. 222-259.000.

Santeusanio, Peter M., to Trace Products, Inc. Automatic loader for computer diskettes. 4,813,838, 3-21-89, Cl. 414-798.100.

Santha, Pal: *See—*
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
  Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
  Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Garai, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Santhanam, K. S. V.: *See—*
  O'Brien, R. N.; and Santhanam, K. S. V., 4,874,735, Cl. 502-159.000.

Santhouse, Daniel; and Reeves, Kevin E., to Clairol Incorporated. Electric hair appliance having an improved handle and actuating mechanism construction. 4,797,533, 1-10-89, Cl. 219-225.000.

Santhouse, Daniel: *See—*
  Reeves, Kevin E.; and Santhouse, Daniel, 4,860,775, Cl. 132-118.000.
  Taylor, David C.; Springer, William E.; Goeller, Loretta; and Santhouse, Daniel, 4,799,124, Cl. 361-42.000.

Santi, Joseph M.: *See—*
  Goldsmith, Steven E.; and Santi, Joseph M., 4,858,248, Cl. 2-209.100.

Santi, Roberto; Cometti, Giuseppe; and Pagani, Anselmo, to Istituto Guido Donegani, S.p.A.; and Consiglio Nazionale Delle Ricerche. Process for the preparation of the esters of an acid. 4,812,592, 3-14-89, Cl. 560-180.000.

Santi, Roger J., to AMCA International Corporation. Boring tool for machine tool. 4,847,975, 7-18-89, Cl. 29-428.000.

Santiago, Francisco: *See—*
  Chu, Tak-Kin; and Santiago, Francisco, 4,853,339, Cl. 437-2.000.
  Chu, Tak-Kin; and Santiago, Francisco, 4,870,027, Cl. 437-3.000.

Santiago, Moises, to Union Carbide Corporation. Method for pressurizing liquid. 4,887,651, 12-19-89, Cl. 141-1.000.

Santilli, Domenic; and May, John W., to Eastman Kodak Company. Method of making fluorescent toner. 4,865,937, 9-12-89, Cl. 430-137.000.

Santilli, Domenic: *See—*
  Wilson, John C.; Santilli, Domenic; and DeMejo, Lawrence P., 4,812,377, Cl. 430-109.000.

Santini, Conrad, to Pfizer Inc. Antiulcer 8-(2-pyrimidylsulfinyl)quinolines. 4,808,591. 2-28-89, Cl. 514-274.000.

Santini, Conrad, to Pfizer Inc. Antiulcer (alkyldithio) quinoline derivatives. 4,859,679, 8-22-89, Cl. 514-273.000.

Santini, Thomas F., to deLaire, Inc. Membrane-gel diffusion device. 4,809,912, 3-7-89, Cl. 239-60.000.

Santino, Michael, to Special Touch, The. Adjustable length needle implement. 4,841,885, 6-27-89, Cl. 112-80.030.

Santo A/S: *See—*
  Viken, Nils I., 4,794,882, Cl. 122-4.00D.

Santo, David R.: *See—*
  Mahalek, Thomas L.; and Santo, David R., 4,824,750, Cl. 430-99.000.

Santo, Philip J. Interactive, air encapsulating cellular material. 4,869,939, 9-26-89, Cl. 428-15.200.

Santoiemmo, Carl V., to United Soda, Inc. Portable hand holdable carbonating apparatus. 4,867,209, 9-19-89, Cl. 141-19.000.

Santoleri, Joseph J.; and Ross, Richard D., to Four Nines, Inc. Apparatus for concentrating brine waters or dewatering brines generated in well drilling operation. 4,882,009, 11-21-89, Cl. 159-4.200.

Santonja, Noel: *See—*
  Kuntzmann, Jean C.; and Santonja, Noel, 4,871,950, Cl. 315-393.000.

Santorineos, Peter J.; and Lawson, Steve. Valve wrench. 4,848,194, 7-18-89, Cl. 81-176.100.

Santoro, Gennaro. Heat exchanger unit formed of a plurality of modular units including connection couplers. 4,856,581, 8-15-89, Cl. 165-130.000.

Santoro, Richard. Articulate hammer. 4,805,494, 2-21-89, Cl. 81-20.000.

Santos, Alfred J.; Cook, Frederick A., Jr.; Duncan, Scott M.; and Moseley, John, to Torrington Company, The. Thrust bearing with a magnetic field detector. 4,875,785, 10-24-89, Cl. 384-448.000.

Santos, Edward: *See—*
  Aronson, Michael; Lock, Michele R.; and Santos, Edward, 4,863,632, Cl. 252-186.350.

Santos, Enrique: *See—*
  Crawford, Carl R.; Frazee, David M.; and Santos, Enrique, 4,868,748, Cl. 364-413.220.

Santos, Francisco E., to Hewlett-Packard Company. A scanning system in which a portion of a preview scan image of a picture displaced on a screen is selected and a corresponding portion of the picture is scanned in a final scan. 4,837,635, 6-6-89, Cl. 358-287.000.

Santos, Jose, to Scott Fetzer Company, The. Free fall windlass. 4,809,633, 3-7-89, Cl. 114-210.000.

Santos, Larry E. Pregauging tool for a cutting table. 4,825,559, 5-2-89, Cl. 33-630.000.

Santos, Richard. Neck support collar. 4,881,529, 11-21-89, Cl. 128-75.000.

Santos, T. R. Aquatic exerciser. 4,828,522, 5-9-89, Cl. 441-129.000.

Santrade Limited: *See—*
  Akesson, Leif A. E.; and Mikus, Marian, 4,843,039, Cl. 501-87.000.
  Bernhardsson, Sven-Olov; Eriksson, Hans F.; Norberg, Sven P.; Forssell, Lars O. H.; and Lindqvist, Nils R., 4,798,635, Cl. 148-325.000.
  Ekstrom, Thommy C.; and Ingelstrom, Nils A., 4,818,635, Cl. 428-698.000.
  Eriksson, Erik G.; Oskarsson, Rolf G.; and von Holst, Johan P., 4,849,300, Cl. 428-558.000.
  Fischer, Udo K. R.; Hartzell, Erik T.; and Akerman, Jan G. H., 4,820,482, Cl. 419-15.000.
  Liljebrand, Sven P.; and Liijekvist, Bernt S., 4,805,705, Cl. 173-80.000.
  Mathur, Krishna S.; and Werni, Ferdinand, 4,816,225, Cl. 422-262.000.
  Mattsson, Michael; and Tunell, Lars-Erik, 4,832,136, Cl. 175-57.000.
  Pettersson, Lars T.; and Wiman, Jorgen V., 4,801,224, Cl. 407-110.000.
  Stabler, Gerhard, 4,799,424, Cl. 100-154.000.
  Strandell, Ingemar H.; and Svensson, Ingemar S. L., 4,818,153, Cl. 407-113.000.

Santucci, Robert J.: *See—*
  Koskol, Joseph E.; Santucci, Robert J.; and Rosanio, Louis G., Jr., 4,863,029, Cl. 206-393.000.

Santulli, Scott: *See—*
  Glaberson, John; and Santulli, Scott, 4,886,957, Cl. 235-482.000.

Santy, Michael J.; and Santy, Terence J. Visual fire alert system. 4,812,821, 3-14-89, Cl. 340-538.000.

Santy, Terence J.: *See—*
  Santy, Michael J.; and Santy, Terence J., 4,812,821, Cl. 340-538.000.

Sanui, Kohei: *See—*
  Ogata, Naoya; Sanui, Kohei; Yui, Nobuhiko; Kataoka, Kazunori; Okano, Teruo; and Sakurai, Yasuhisa, 4,873,292, Cl. 525-408.000.

Sanville, Frank E. Fluid flow control valves. 4,817,666, 4-4-89, Cl. 137-596.170.

Sanwa Diamond Industrial Co., Ltd.: *See—*
  Matsuda, Yusaku, 4,860,721, Cl. 125-15.000.

Sanwa Kagaku Kenkyusho Co., Ltd.: *See—*
  Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.
  Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, Cl. 514-206.000.
  Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi, and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
  Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,189, Cl. 514-274.000.
  Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo, Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, 4,870,062, Cl. 514-63.000.
  Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.
  Sawai, Kiichi; Kurono, Masayasu; Awaya, Juichi; Kojima, Akio; and Ninomiya, Hideaki, 4,889,715, Cl. 424-80.000.

Sanwa Shutter Corporation: *See—*
  Hamada, Takeaki; Okada, Akio; Abe, Kiyoshi; Udagawa, Katsuhiro; Okazaki, Fumitoshi; and Fujino, Kouji, 4,837,877, Cl. 5-10.00B.

Sanwo, Ikuo J.; and Milby, Gregory H., to NCR Corporation. Frostless interface supercooled VLSI system. 4,800,422, 1-24-89, Cl. 357-82.000.

Sanwo, Ikuo J.; Donahue, James A.; and Tipon, Donald G., to NCR Corporation. Signal edge trimmer circuit. 4,823,024, 4-18-89, Cl. 307-262.000.

Sanwo, Ikuo J.; and Milby, Gregory H., to NCR corporation. Three input exclusive OR-NOR gate circuit. 4,888,499, 12-19-89, Cl. 307-471.000.

Sanwo, Ikuo J.; Simeral, John D.; and Daniel, Richard A., to NCR Corporation. ECL to CMOS converter. 4,888,501, 12-19-89, Cl. 307-475.000.

Sanyal, Amalendu; Moy, Peter; and Cosentino, Frank, to Digital Equipment Corporation. Method of and apparatus for surface mounting electronic components onto a printed wiring board. 4,872,261, 10-10-89, Cl. 29-840.000.

Sanyei Corp.: *See—*
  Shiotani, Tadahiko; and Matsuura, Hideo, 4,796,440, Cl. 62-343.000.

Sanyo Chemical Industries, Ltd.: *See—*
  Ishikawa, Isao; and Tomosada, Tsuyoshi, 4,820,743, Cl. 521-137.000.
  Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.
  Matsuda, Takehisa; Iwata, Hiroo; and Itoh, Tetsuo, 4,806,614, Cl. 528-59.000.
  Yasuda, Keiichi, 4,861,811, Cl. 523-501.000.

Sanyo Electric Co., Ltd.: *See—*
  Amao, Kenji; and Masuda, Sadao, 4,864,361, Cl. 355-53.000.
  Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
  Arai, Masashi; and Ogawa, Ryuichi, 4,870,684, Cl. 381-7.000.
  Asai, Shunji, 4,802,076, Cl. 363-19.000.
  Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko, Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
  Asano, Yoshikazu; and Naganawa, Kazuo, 4,853,782, Cl. 358-148.000.
  Ashida, Yasuhiro; and Yokota, Shigeki, 4,862,241, Cl. 357-45.000.
  Awane, Misao; Hara, Seiji; and Kobayashi, Satoshi, 4,834,231, Cl. 194-217.000.
  Deguchi, Yutaka; Momohara, Hideo; Tsuchida, Yasuyuki; Ootani, Toshio; and Nakanishi, Yuji, 4,832,576, Cl. 417-45.000.
  Egami, Tsuyoshi; and Yoshimoto, Mitsufumi, 4,868,689, Cl. 360-32.000.
  Fujisawa, Masanori, 4,801,889, Cl. 330-84.000.
  Fujiwara, Masakatsu, 4,799,080, Cl. 355-7.000.
  Fukui, Kumiko; Doumura, Tatsuaki; and Okamoto, Shigeo, 4,879,611, Cl. 360-69.000.
  Furukawa, Nobuhiro; Saito, Toshihiko; Nakane, Ikuro; and Watanabe, Hiroshi, 4,820,599, Cl. 429-194.000.
  Furukawa, Nobuhiro; Nishio, Koji; and Yoshinaga, Noriyuki, 4,840,858, Cl. 429-197.000.
  Gakumura, Hiroki, 4,811,096, Cl. 358-160.000.
  Hara, Mitsunori; Nagao, Nobuhiro; Amazutsumi, Tooru; and Urushihara, Kanji, 4,804,593, Cl. 429-174.000.
  Hara, Seiji; and Kobayashi, Satoshi, 4,803,682, Cl. 371-12.000.
  Hayashi, Takahiro; and Nakata, Takeshi, 4,867,193, Cl. 137-93.000.
  Hiejima, Kiyoshi; Uehashi, Hiroyuki; Kishitani, Yoriko; and Kojima, Toshitada, 4,864,088, Cl. 219-10.55B.
  Hirose, Shintaro, 4,890,286, Cl. 371-37.100.

Hurutachi, Hideaki; Takizawa, Takashi; and Tanaka, Tsutomu, 4,813,241, Cl. 62-209.000.
Iida, Masayuki; and Tsurufuji, Shinichi, 4,864,622, Cl. 381-41.000.
Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.
Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.
Inoue, Hajime; and Tanaka, Mikio, 4,890,168, Cl. 358-335.000.
Inoue, Yasuaki; Minakuchi, Kimihide; and Tabuchi, Norio, 4,847,848, Cl. 372-50.000.
Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864,637, Cl. 455-205.000.
Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.000.
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.
Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; and Ichiba, Masao, 4,880,435, Cl. 29-623.500.
Iwamoto, Masayuki; Minami, Kouji; and Watanabe, Kaneo, 4,857,115, Cl. 136-249.000.
Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, 4,887,349, Cl. 29-623.500.
Katsuki, Hikaru; Minakawa, Katsumasa; and Shimizu, Masayuki, 4,841,738, Cl. 62-160.000.
Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, 4,807,075, Cl. 360-125.000.
Kawai, Yoshihiko; Koyama, Kazuaki; and Yasuda, Isao, 4,811,147, Cl. 360-120.000.
Kawasaki, Ryoichi Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,811,320, Cl. 369-45.000.
Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,845,699, Cl. 369-45.000.
Kawashima, Kinji, 4,833,355, Cl. 310-198.000.
Kishi, Hiroyasu; and Arai, Hiromi, 4,814,878, Cl. 358-148.000.
Kishi, Hiroyasu; and Arai, Hiromi, 4,845,563, Cl. 358-158.000.
Kishi, Yasuo; Inoue, Hiroshi; and Tanaka, Hiroyuki, 4,795,500, Cl. 136-244.000.
Kitamura, Yuji; and Nakatsukasa, Ichiro, 4,811,073, Cl. 357-45.000.
Komcri, Ken-ichi, 4,858,308, Cl. 29-740.000.
Koyabu, Seiji; and Fukuda, Tatsuhisa, 4,884,253, Cl. 368-10.000.
Kunimitsu, Michio; and Tomita, Hiroshi, 4,812,063, Cl 400-234.000.
Kunimitsu, Michio; Tomita, Hiroshi; Akao, Akio; and Kano, Hiroshi, 4,838,713, Cl. 400-120.000.
Kuriyama, Shunichi, 4,835,452, Cl. 320-2.000.
Kuwano, Yukinori; Tsujino, Yoshikazu; and Hamada, Yuji, 4,855,214, Cl. 430-281.000.
Masumoto, Takahiko, 4,882,613, Cl. 358-37.000.
Matsuura, Kotaro; and Oyamada, Kenji, 4,795,514, Cl. 156-153.000.
Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, 4,799,087, Cl. 357-4.000.
Mihara, Yoshikazu; and Nakashima, Hiroshi, 4,862,294, Cl. 360-35.100.
Miura, Norio, 4,860,433, Cl. 29-605.000.
Miura, Norio, 4,884,125, Cl. 357-74.000.
Miyazaki, Noriyuki; and Matsuoka, Tetsunori, 4,873,160, Cl. 429-170.000.
Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.
Mohara, Masayuki, 4,867,569, Cl. 356-375.000.
Morishita, Takuya; Okuda, Atushi; and Asanaka, Shinji, 4,852,208, Cl. 15-339.000.
Murashima, Hirotsugu; Maeda, Satoru; and Hirano, Shunji, 4,841,370, Cl. 358-227.000.
Murashima, Hirotsugu; and Maeda, Satoru, 4,853,788, Cl. 358-227.000.
Murashima, Hirotsugu; and Maeda, Satoru, 4,853,789, Cl. 358-227.000.
Murata, Kenji; and Kishi, Yasuo, 4,808,242, Cl. 136-244.000.
Murata, Kenji; and Kishi, Yasuo, 4,851,658, Cl. 250-211.00R.
Nakahori, Shinsuke; and Honda, Hironori, 4,844,948, Cl. 497-126.300.
Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.
Nakayama, Yoshinori; and Takizawa, Kikuo, 4,812,287, Cl. 420-41.000.
Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, 4,827,154, Cl. 307-116.000.
Nishimura, Naruto; and Sato, Junji, 4,796,088, Cl. 358-167.000.
Noboru, Yoshinori, 4,838,773, Cl. 418-55.000.
Ohnaka, Takashi, 4,802,028, Cl. 360-66.000.
Ohtawara, Isao; and Ohgochi, Satoshi, 4,856,051, Cl. 379-88.000.
Sakai, Souichi; Nakano, Shoichi; and Kuwano, Yukinori, 4,824,488, Cl. 136-244.000.
Sato, Hironobu, 4,855,629, Cl. 310-49.00R.
Satow, Aritomo; Masuda, Shinichi; Sugimoto, Kazuyoshi; and Muta, Yuji, 4,886,434, Cl. 418-55.00D.
Sekigami, Kunie; Nagae, Kouji; and Sasaki, Yoji, 4,878,357, Cl. 62-160.000.
Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, 4,868,444, Cl. 310-313.00A.
Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, 4,795,687, Cl. 429-213.000.
Tabuchi, Junichiro, 4,885,793, Cl. 388-810.000.
Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kammura, Takaya; and Ishida, Hideki, 4,839,881, Cl. 369-75.200.
Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,802,202, Cl. 379-67.000.
Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, 4,817,133, Cl. 379-199.000.
Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, 4,841,328, Cl. 355-211.000.
Takeuchi, Masaru; Gotoh, Kazuyuki; Wakisaka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, 4,885,226, Cl. 430-65.000.
Takuma, Masao; and Kawakami, Kiyotada, 4,833,541, Cl 358-227.000.
Tanimoto, Yoshihiro, 4,812,875, Cl. 355-7.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
Toguchi, Akira, 4,841,381, Cl. 360-10.300.
Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fujii, Takanori; and Kuwano, Yukinori, 4,874,646, Cl. 428-34.100.
Tsukahara, Hitoshi; Kurokawa, Keiko; Tsukui, Toshimitsu; and Nagai, Toshitake, 4,876,070, Cl. 422-122.000.
Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-38.000.
Tunekawa, Shouji; Yamada, Wazoh; Hara, Yoshitaka; and Suzuki, Fujio, 4,854,376, Cl. 165-54.000.
Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.
Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852,167, Cl. 381-13.000.
Watanabe, Kaneo; Iwamoto, Masayuki; and Minami, Koji, 4,799,968, Cl. 136-258.000.
Watanabe, Kaneo; Matsuoka, Tsugufumi; Nakashima, Yukio; and Haku, Hisao, 4,843,451, Cl. 357-63.000.
Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl 358-451.000.
Yamane, Mikihito; and Yamane, Hiroshi, 4,845,405, Cl 313-500.000.
Yasuda, Yuzo, 4,807,048, Cl. 358-310.000.

Sanyu Co., Ltd.: *See—*
Fujita, Toshiharu, 4,826,342, Cl. 403-57.000.

Sanz, Erich; and Heinz, Erhard, to Unilever Patent Holdings B.V. Pack, for food products in particular. 4,838,431, 6-13-89, Cl. 206-631.000.

Sanz, Gerard C.: *See—*
Raeymaekers, Alfons H. M.; Freyne, Eddy J. E.; and Sanz, Gerard C., 4,859,684, Cl. 514-314.000.

Sanzone, Michael. Apparatus and method for feeding powdered materials. 4,813,818, 3-21-89, Cl. 406-122.000.

Saotome, Kunio. Carpet retaining device. 4,837,889, 6-13-89, Cl 16-4.000.

Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, to Nissan Motor Co., Ltd.; and Bridgestone Corporation. Bushing type vibration insulator. 4,858,899, 8-22-89, Cl. 267-219.000.

Saotome, Minoru: *See—*
Takahashi, Kazutomo; Kodama, Kazuo; and Saotome, Minoru, 4,806,577, Cl. 523-445.000.

Saotome, Shigeru, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,814,616, 3-21-89, Cl. 250-327.200.

Saotome, Shigeru, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus for stimulable phosphor sheet. 4,816,688, 3-28-89, Cl 250-484.100.

Saotome, Shigeru, to Fuji Photo Film Co., Ltd. Two dimensional light beam scanner used in radiation image information readout. 4,816,923, 3-28-89, Cl. 358-292.000.

Saotome, Shigeru, to Fuji Photo Film Co. Ltd. Radiation image read-out apparatus. 4,835,387, 5-30-89, Cl. 250-327.200.

Saotome, Shigeru, to Fuji Photo Film Co., Ltd. Image read-out and recording apparatus. 4,841,147, 6-20-89, Cl. 250-327.200.

Saotome, Shigeru; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,843,241, 6-27-89, Cl. 250-327.200.

Saotome, Shigeru; Ishida, Masamitsu; Shimura, Kazuo; and Watanabe, Hideo, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,851,675, 7-25-89, Cl. 250-327.200.

Saotome, Shigeru; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus, and radiation image read-out and reproducing method and apparatus. 4,857,733, 8-15-89, Cl. 250-327.200.

Saotome, Shigeru; Kimura, Tsutomu; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Method of measuring after-glow of stimulable phosphor sheet, and method of adjusting radiation image read-out conditions. 4,861,994, 8-29-89, Cl. 250-327.200.

Saotome, Shigeru; and Nakajima, Nobuyoshi, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus, and radiation image read-out and reproducing method and apparatus. 4,870,277, 9-26-89, Cl. 250-327.200.

Saotome, Shigeru; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,882,489, 11-21-89, Cl. 250-327.200.

Saotome, Shigeru: *See—*
Matsuda, Terumi; Aagano, Toshitaka; Miyahara, Junji; Nakajima, Nobuyoshi; and Saotome, Shigeru, 4,818,880, Cl. 250-327.200.
Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.

Saotome, Takeo: *See—*
Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, 4,828,855, Cl. 426-241.000.

Saotome, Toshio; Noguchi, Yoshiyuki; Nishikawa, Mitsuo; and Yamazaki, Shigeki, to Sony Corporation. Structure of a flat-type brushless DC motor. 4,851,731, 7-25-89, Cl. 310-258.000.

Saotome, Yasushi; Miyazawa, Takeo; and Endo, Takeshi, to M & D Research Co., Ltd. Optically active, ethylenically unsaturated polymers of amino penicillanic acid compounds. 4,873,301, 10-10-89, Cl. 526-257.000.

Sapelak, Ronald: *See—*
Amos, Barry L.; Sapelak, Ronald; and Vanderweg, Peter, 4,796,480, Cl. 74-483.00R.

Saper, Byron M.: *See—*
Addy, Donald E.; and Saper, Byron M., 4,848,887, Cl. 350-550.000.

Saperia, Jonathan D.: *See—*
Carlson, Kenneth A.; LeBrun, John F., Giacomazzo, Salvatore; and Saperia, Jonathan D., 4,809,220, Cl. 364-900.000.

Sapers, Gerald M.; Hicks, Kevin B.; and Seib, Paul A., to United States of America, Agriculture. Process for preserving raw fruits and vegetables using ascorbic acid esters. 4,814,192, 3-21-89. Cl. 426-268.000.

Saperstein, Z. Philip, to Modine Manufacturing Company. Brazed heat exchanger and method of making the same. 4,877,083, 10-31-89, Cl. 165-176.000.

Saphirwerk Industrieprodukte: *See—*
Funke, Herbert, 4,808,092, Cl. 417-454.000.

Saphores Wiedmaier, Eugenio A.; Gleisner Klempau, Arturo G.; Vega de Kuyper, Juan C.; and Mardones Parra, Wladimir A., to Establecimientos Industrales Quimicos Oxiquim S.A. Process of froth flotation using a methylene bisxanthate as a collector reagent. 4,886,595, 12-12-89, Cl. 209-166.000.

Sapiejewski, Roman, to Bose Corporation. Headphone cushioning. 4,856,118, 8-15-89, Cl. 2-209.000.

Sapienza, Samuel J., IV, to Siemens-Bendix Automotive Electronics L.P. Variable camshaft timing system. 4,872,426, 10-10-89, Cl. 123-90.150.

Sapienza, Samuel J., IV; van Vuuren, Willem N. J.; Shirey, Benjamin G.; and Wakeman, Russell J., to Siemens-Bendix Automotive Electronics L.P. Variable camshaft timing system. 4,878,461, 11-7-89, Cl. 123-90.150.

Sapino, Chester, Jr.: *See—*
Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., 4,847,373, Cl. 540-215.000.
Baker, Stephen R.; Farina, Vittorio; and Sapino, Chester, Jr., 4,870,168, Cl. 540-222.000.
Brundidge, Steven P.; Howell, Henry G.; Sapino, Chester, Jr.; and Hong-Tann, Chou, 4,879,377, Cl. 536-18.200.

Sapino, Chet, Jr.: *See—*
Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., 4,868,294, Cl. 540-222.000.

Sapko, Michael J.; and Ward, Jack A., Jr., to United States of America, Interior. Determining inert content in coal dust/rock dust mixture. 4,799,799, 1-24-89, Cl. 356-446.000.

Sapoff, Paul C., to Catalyst Technology, Inc. Catalyst recovery trough for unloading multi-tube reactors with maximum dust containment. 4,820,496, 4-11-89, Cl. 422-197.000.

Sapone, Frank P.: *See—*
Sorenson, Richard W.; Ives, Milton N.; and Sapone, Frank P., 4,803,314, Cl. 200-11.00J.

Saporta, Jose A.: *See—*
Buess, Heinz; and Saporta, Jose A., 4,868,952, Cl. 19-112.000.

Sapozhnikov, Gregory: *See—*
Thomas, Bruce A.; Sapozhnikov, Gregory; and Shaw, Robert L., 4,855,565, Cl. 219-121.790.

Sapp, Edwin R.; and Kinast, Eric K., to Applied Biosystems Inc. Dual beam multichannel spectrophotometer with a unique logarithmic data converter. 4,848,904, 7-18-89, Cl. 356-319.000.

Sapp, William E. Strength training amusement device for simulating arm-wrestling. 4,805,900, 2-21-89, Cl. 272-67.000.

Sapp, William M.; and Harrell, Julia E., to Crown Crafts, Inc. Pillow structure. 4,873,736, 10-17-89, Cl. 5-434.000.

Sapnel: *See—*
Robitaille, Thierry, 4,811,600, Cl. 73-272.00R.

Sappington, Donald R. Archery bow flexible sight pin. 4,819,611, 4-11-89, Cl. 124-87.000.

Sappington, Gayle L., to Cooper Industries, Inc. Low profile breakaway fuseblock. 4,801,278, 1-31-89, Cl. 439-746.000.

Sappok, Manfred, to Siempelkamp Giesserei GmbH & Co. Method of making radiation shielding elements for use in nuclear technology. 4,882,092, 11-21-89, Cl. 252-628.000.

Sappok, Reinhard J.; de Alvare, Louis R.; and Spence, Floyd G., to BASF Corporation. Colorants for ball-point pen and ribbon inks. 4,824,610, 4-25-89, Cl. 260-391.000.

Sapporo Alna Co., Ltd.: *See—*
Higaki, Yasuo, 4,842,048, Cl. 165-45.000.

Sapporo Breweries, Ltd.: *See—*
Nagai, Teiji; Sakazume, Ryo; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, 4,872,024, Cl. 346-1.100.
Narita, Hiroshi; Uemura, Minoru; and Mori, Yoshitada, 4,824,229, Cl. 350-531.000.
Takashio, Masachika; Chikano, Takahide; and Kamimura, Minoru, 4,882,280, Cl. 435-228.000.

Sapre, Ajit V.: *See—*
Child, Jonathan E.; and Sapre, Ajit V., 4,835,128, Cl. 502-21.000.

Sapru, Krishna: *See—*
Hong, Kuochih C.; and Sapru, Krishna, 4,832,913, Cl. 420-581.000.

Sapsford, Gary S.: *See—*
Mackley, Malcolm R.; and Sapsford, Gary S., 4,851,173, Cl. 264-204.000.

Saputo, Lorraine: *See—*
Sevier, David C., 4,797,214, Cl. 210-651.000.

Saputo, Vincent: *See—*
Sevier, David C., 4,797,214, Cl. 210-651.000.

Sar, Nechemia: *See—*
Gutnick, David L.; Nestaas, Eirik; Rosenberg, Eugene; and Sar, Nechemia, 4,883,757, Cl. 435-252.100.

Sara, Jason, to Massachusetts Institute of Technology. Digital high speed 3-dimensional interpolation machine. 4,837,722, 6-6-89, Cl. 364-723.000.

Sara Lee Corporation: *See—*
Horton, Gilbert L.; Borst, William A.; Respess, Herman M.; Langlois, Michael P.; Poole, Eddie D.; and Swaim, J. E., 4,809,482, Cl. 53-131.000.
Horton, Gilbert L.; Poole, Eddie D.; and Borst, William A., 4,838,162, Cl. 101-296.000.
Howard, Leonard, 4,865,463, Cl. 383-33.000.
Thomas, Richard D.; and Bell, Cecil R., Jr., 4,835,939, Cl. 53-248.000.

Sara, Margit: *See—*
Sleytr, Uwe; and Sara, Margit, 4,849,109, Cl. 210-650.000.
Sleytr, Uwe; and Sara, Margit, 4,886,604, Cl. 210-653.000.

Sarabi, Alireza: *See—*
Farrell, Robert L.; Sarabi, Alireza; and Tetrick, Raymond S., 4,807,109, Cl. 364-200.000.

Saraceni, Remo. Decorative light with rotating reflective disc. 4,847,739, 7-11-89, Cl. 362-232.000.

Sarai, Naohito: *See—*
Iwamuro, Minoru; Ishii, Kazunori; and Sarai, Naohito, 4,794,886, Cl. 123-52.00M.

Saraiya, Shashikant: *See—*
Rowe, William; Saraiya, Shashikant; and Shah, Ajay, 4,822,861, Cl. 525-355.000.

Saranda Consolidated Limited Partnership: *See—*
Gamblin, Rodger L., 4,842,646, Cl. 106-22.000.

Sarantsev, Kir B.: *See—*
Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S.; Magdychansky, Vadim S.; Petrov, Gennady I.; Raer, Gilya A.; and Sarantsev, Kir B., 4,795,311, Cl. 416-186.00R.
Arkhipov, Vladimir V.; Velikanov, Gennady F.; Raer, Gilya A.; and Sarantsev, Kir B., 4,863,349, Cl. 416-186.00R.

Sarasola, Javier A., to Mackina Westfalia S.A. Chain hauled conveyor belt. 4,880,109, 11-14-89, Cl. 198-833.000.

Sarasota Automation Limited: *See—*
Duley, Richard K., 4,862,162, Cl. 340-938.000.
Jefferis, Brian C., 4,873,494, Cl. 331-65.000.

Saraswat, Krishna C.: *See—*
Moslehi, Mehrdad M.; and Saraswat, Krishna C., 4,888,087, Cl. 156-643.000.

Sarath, Alan; and Mawhirt, James A., to Permark Corp. Needle cartridge. 4,798,582, 1-17-89, Cl. 604-47.000.

Sarath, Alan, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Communication equipment cabinet cooling arrangement. 4,860,163, 8-22-89, Cl. 361-384.000.

Sarathy, Aravamuthan P.: *See—*
Grubbs, John R., Jr.; Sarathy, Aravamuthan P.; and Flowe, Robert C., 4,843,015, Cl. 436-103.000.

Sarau, Henry M.: *See—*
Gleason, John G.; Hoffstein, Sylvia T.; Kinzig, Charles M.; Mong, Seymour; and Sarau, Henry M. 4,871,771, Cl. 514-570.000.

Saraydar, Michael. Self-aligning sulky. 4,817,975, 4-4-89, Cl. 280-63.000.

Sarazen, David J., to M.A.N. Roland Druckmaschinen AG. Separated ink fountain for a flexographic printing machine. 4,796,528, 1-10-89, Cl. 101-208.000.

Sarazen, Paul M., Jr.; and Beam, Dennis A., Jr. Shallow-profile foundation ventilator. 4,821,628, 4-18-89, Cl. 98-29.000.

Sarcem S.A.: *See—*
Bonello, Philippe; and Jeanmonod, Maurice, 4,798,598, Cl. 604-280.000.
Bonello, Philippe; and Noirot, Jacques, 4,856,721, Cl. 242-7.140.

Sarcia, Domenico S. System and apparatus for producing and storing liquid gases. 4,841,732, 6-27-89, Cl. 62-36.000.

Sarclad International Limited: *See—*
   Wilson, Geoffrey; and Evans, Gareth A., 4,870,243, Cl. 219-69.140.
Sarco Mfg. Co., Inc.: *See—*
   Sardinskas, Robert A., 4,799,322, Cl. 40-1.500.
Sarcona, Anthony O., to Sarcona Bros. Item of jewelry including a gem slidable within a gem insert. 4,796,442, 1-10-89, Cl. 63-26.000.
Sarcona Bros.: *See—*
   Sarcona, Anthony O., 4,796,442, Cl. 63-26.000.
Sarda, Jean-Claude. Press for sheet fed or web printing. 4,815,376, 3-28-89, Cl. 101-177.000.
Sarda, Jean-Claude. Removable inking device for offset press. 4,889,051, 12-26-89, Cl. 101-77.000.
Sarda, Jean L. Thermographic machine for relief printing. 4,805,531, 2-21-89, Cl. 101-488.000.
Sardee Corporation: *See—*
   Chiappe, Wayne T.; and Gasquoine, Randy W., 4,808,057, Cl. 414-267.000.
Sardella, Louis M., to Wm. C. Staley Machinery Corporation. Intermittently protruding feeder for paperboard blanks. 4,828,244, 5-9-89, Cl. 271-11.000.
Sardella, Louis M., to Prime Technology, Inc. Rotary-type feeder machines and methods. 4,889,331, 12-26-89, Cl. 271-11.000.
Sardie, Lyle: *See—*
   Campbell, Jonathan L., 4,831,627, Cl. 372-37.000.
Sardinskas, Robert A., to Sarco Mfg. Co., Inc. Tangle resistant lock pin. 4,799,322, 1-24-89, Cl. 40-1.500.
Sardo, Alberto, to Xeda International. Compositions for the treatment of fruit and vegetables by thermal fogging and processing method using said composition. 4,857,345, 8-15-89, Cl. 426-310.000.
Sardou, Max A., to Thor S.A. Axle assembly for a motor vehicle. 4,883,289, 11-28-89, Cl. 280-684.000.
Sare, Edward J., to PPG Industries, Inc. Plastic optical fiber. 4,807,964, 2-28-89, Cl. 350-96.340.
Sare, Edward J.: *See—*
   Krivak, Sandra L.; Williams, William A., Jr.; Nehmsmann, Louis J.; and Sare, Edward J., 4,832,865, Cl. 252-174.210.
Sarfati, Alberto G., to Sobrevin Societe de Brevets industriels-Etablissement. Thread feeder. 4,828,192, 5-9-89, Cl. 242-47.010.
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   Beatty, Scott M., 4,887,445, Cl. 70-278.000.
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   Adams, Richard H.; Gross, Alan E.; Jelatis, Demetrius G.; Jennrich, Carleton E.; and Marohl, Rudolph O., 4,831,531, Cl. 364-424.010.
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   DeMarseilles, Paul H.; Glenn, Robert D.; and Sorensen, David A., 4,869,083, Cl. 70-224.000.
Sargent, Richard G. Tool for eliminating air voids underneath a membrane seam and method therefor. 4,861,400, 8-29-89, Cl. 156-71.000.
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Sartin, Darrel E.: *See—*
   Champion, James R.; and Sartin, Darrel E., 4,829,336, Cl. 355-246.000.
Sartomer Company, Inc.: *See—*
   Ceska, Gary W., 4,874,675, Cl. 428-521.000.
   Reiter, Ralph H.; and Ekwall, C. Raymond, 4,857,571, Cl. 524-248.000.

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Sartor, Mariano, to Nordica S.P.A. Ski boot incorporating a foot securing device. 4,802,291, 2-7-89, Cl. 36-119.000.
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   Gaidano, Roberto; Gandini, Marco; and Sartori, Mario, 4,808,947, Cl. 330-307.000.
   Mazzucco, Michelangelo; Poletto, Vanni; and Sartori, Mario, 4,839,610, Cl. 330-278.000.
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Sartorio, Franco, to Prima Industrie S.p.A. Robotized handling device and sheet metal bending system featuring the same. 4,827,757, 5-9-89, Cl. 72-420.000.
Sartorius GmbH: *See—*
   Cornelius, Klaus; and Exner, Rainer, 4,848,494, Cl. 177-259.000.
   Cornelius, Klaus; and Exner, Rainer, 4,856,605, Cl. 177-210.00R.
   Knothe, Erich; Melcher, Franz-Josef; Maaz, Gunther; Dardat, Klaus; and Sodler, Walter, 4,798,250, Cl. 177-181.000.
   Knothe, Erich; Maaz, Gunther; and Handwerk, Volker, 4,798,252, Cl. 177-245.000.
   Knothe, Erich; Melcher, Franz-Josef; and Oldendorf, Christian, 4,811,293, Cl. 365-189.000.
   Knothe, Erich; and Melcher, Franz-Josef, 4,884,645, Cl. 177-180.000.
   Lehmann, Hans-Dieter; and Kohn, Heinz-Gerhard, 4,863,603, Cl. 210-489.000.
   Maaz, Gunther; Bierich, Eduard; and Stadler, Eberhard, 4,798,251, Cl. 177-229.000.
   Maaz, Gunther; Wedeken, Udo; Bierich, Eduard; and Stadler, Eberhard, 4,825,968, Cl. 177-212.000.
   Oldendorf, Christian; Melcher, Franz-Josef; and Berg, Christoph, 4,848,477, Cl. 177-25.140.
   Oldendorf, Christian; Maaz, Gunther; Nottbohm, Klaus; and Handwerk, Volker, 4,889,201, Cl. 177-25.140.
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   Sodler, Walter; Lubke, Eberhard; and Kuhlmann, Otto, 4,813,505, Cl. 177-212.000.
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   Bublik, Eugene P.; and Sartowski, Zbigniew, 4,861,349, Cl. 51-293.000.
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   Herter, Rolf; Sartran, C. Bernard; and Grabowski, Arno, 4,830,586, Cl. 417-395.000.
Sarubbi, Thomas R.: *See—*
   Blakeney, Andrew J.; Jeffries, Alfred T., III; and Sarubbi, Thomas R., 4,837,121, Cl. 430-192.000.
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   Yamamoto, Yoshihisa; and Sarumaru, Masahiko, 4,847,689, Cl. 358-80.000.
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Saruta, Minoru; and Matsumoto, Munechika, to Asahi Mini Rope Hanbai Kabushiki Kaisha. Driving rope. 4,846,772, 7-11-89, Cl. 474-271.000.
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   Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatari, Hidetoshi; and Akiyama, Akihiko, 4,840,325, Cl. 242-107.200.
   Sasaki, Kiichi; Honda, Tadanori; Saruwatari, Hidetoshi; and Higuchi, Kazuo, 4,858,952, Cl. 280-802.000.
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   Martin, James M.; Crum, James R.; Mankins, William L.; and Sarver, Jeffrey M., 4,798,633, Cl. 148-162.000.
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   Hirako, Atsushi; and Sasa, Yuki, 4,865,175, Cl. 192-1.230.
Sasabe, Ken: *See—*
   Ohashi, Osamu; and Sasabe, Ken, 4,838,474, Cl. 228-121.000.
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Sasada, Masaaki: *See—*
   Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki, 4,849,990, Cl. 375-40.000.
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   Hirosawa, Makoto; and Sasada, Shigeru, 4,866,512, Cl. 358-75.000.
Sasada, Taisuke: *See—*
   Fukushi, Yuzo; Fuda, Hitoshi; and Sasada, Taisuke, 4,860,366, Cl. 381-106.000.
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   Yamawaki, Chiaki; Sasada, Taizo; Iwaki, Tetsuo; and Koyanagi, Katsubumi, 4,812,987, Cl. 364-724.010.
Sasada, Takashi; and Okazaki, Syuzi, to Mazda Motor Corporation. Oil pan for vehicle engine. 4,848,293, 7-18-89, Cl. 123-195.00C.
Sasagaki, Nobuaki: *See—*
   Terui, Nobuhiko; Kusaka, Yosuke; Shiokama, Yoshiharu; and Sasagaki, Nobuaki, 4,881,094, Cl. 354-286.000.
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   Yamaguchi, Yoshinobu; Terasawa, Mutsumi; and Sasagase, Mitsuo, 4,813,385, Cl. 123-2.000.
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   Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.
   Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.
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   Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
Sasagawa, Koichi: *See—*
   Matsuyama, Yasushi; and Sasagawa, Koichi, 4,813,906, Cl. 446-457.000.
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   Shiraishi, Motoatsu; Tazou, Ken; Sasagawa, Masaru; Nakamura, Mitsuki; and Kageyama, Ryoichi, 4,866,974, Cl. 72-405.000.
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   Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.

- Sasagawa, Tsutomu: *See*—
  - Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.
- Sasagawa, Tutomu, to Toyo Jozo Kabushiki Kaisha. Method of enhancing growth and weight gain in swine and block for use therein. 4,869,907, 9-26-89, Cl. 424-442.000.
- Sasage, Tsutomu; and Noguchi, Masahiko, to NEC Corporation. Address reading apparatus for mail article. 4,886,596, 12-12-89, Cl. 209-539.000.
- Sasage, Tsutomu: *See*—
  - Noguchi, Masahiko; Tsuda, Kiyoshi; and Sasage, Tsutomu, 4,819,927, Cl. 271-34.000.
- Sasago, Masaru; Endo, Masayuki; Ogawa, Kazufumi; and Ishihara, Takeshi, to Matsushita Electric Industrial Co. Ltd. Exposure apparatus. 4,805,002, 2-14-89, Cl. 355-67.000.
- Sasago, Masaru: *See*—
  - Endo, Masayuki; Sasago, Masaru; and Ogawa, Kazufumi, 4,840,872, Cl. 430-273.000.
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  - Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Takeshi, 4,805,000, Cl. 355-43.000.
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  - Ogawa, Kazufumi; Sasago, Masaru; Endo, Masayuki; and Ishihara, Ken, 4,841,341, Cl. 355-43.000.
- Sasahara, Akira: *See*—
  - Shino, Satoshi; Sasahara, Akira; Ishikawa, Kiyoshi; Shibasaki, Shigeru, and Takashina, Shinji, 4,826,147, Cl. 271-145.000.
- Sasahara, Misayo, to NEC Corporation. Trigonometric function preprocessing system. 4,870,606, 9-26-89, Cl. 364-721.000.
- Sasahara, Yuzuru: *See*—
  - Nakamaki, Shin; and Sasahara, Yuzuru, 4,888,994, Cl. 73-760.000.
- Sasai, Atsuyoshi: *See*—
  - Kitani, Shigehisa; Sasai, Atsuyoshi; and Shimizu, Hirokimi, 4,856,090, Cl. 455-607.000.
- Sasai, Hiroyuki: *See*—
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- Sasai, Keizo: *See*—
  - Nakamura, Mitsunori; Sakuragi, Kenkichi; Sasai, Keizo; and Ohkubo, Akio, 4,868,674, Cl. 358-296.000.
  - Sakuragi, Kenkichi; Ohkubo, Akio; Sasai, Keizo; and Nakamura, Mitsunori, 4,849,824, Cl. 358-296.000.
- Sasai, Youichi: *See*—
  - Ban, Yuzaburo; Tsujii, Hiraaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, 4,843,031, Cl. 437-129.000.
- Sasajima, Kouji: *See*—
  - Ishikawa, Yoshikazu; Yamaguchi, Kouji; and Sasajima, Kouji, 4,881,428, Cl. 74-859.000.
- Sasajima, Muneharu, to Toyoda Gosei Co., Ltd. Automotive column cover. 4,867,599, 9-19-89, Cl. 403-405.100.
- Sasajima, Takao: *See*—
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
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  - Matsuda, Toshiharu; Sasakawa, Atsushi; Hayashi, Shoichiro; and Konai, Yutaka, 4,873,366, Cl. 562-416.000.
- Sasakawa, Kazumasa; Nishimura, Hisao; and Fujiwaka, Kensuke, to Matsushita Electric Industrial Co., Ltd. Exercise bicycle. 4,838,544, 6-13-89, Cl. 272-73.000.
- Sasakawa, Shigeru; and Shiba, Masayuki, to Ube Industries, Ltd.; Showa Denko Kabushiki Kaisha; and Japanese Red Cross Society, The. Additive solution for blood preservation and activation. 4,880,786, 11-14-89, Cl. 514-53.000.
- Sasaki, Akihiko; and Atsumi, Hiroaki, to Fuji Photo Film Co., Ltd. Audio recording device. 4,841,382, 6-20-89, Cl. 360-32.000.
- Sasaki, Akio: *See*—
  - Shitara, Kenji; Sasaki, Akio; and Murata, Yoshitoshi, 4,833,702, Cl. 379-60.000.
- Sasaki, Akira; Uchiyama, Shinji; and Nagata, Yoshihisa, to Kleentek Industrial Co., Ltd. Method for removing water soluble substances in non-water-soluble fluid. 4,810,387, 3-7-89, Cl. 210-634.000.
- Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, to Hitachi, Ltd. Thermal transfer printer having an improved thermal head to improve ink transfer eveness. 4,840,500, 6-20-89, Cl. 400-120.000.
- Sasaki, Eiichi, to Ricoh Company, Ltd. Method of controlling a thermal head. 4,816,843, 3-28-89, Cl. 346-76.0PH.
- Sasaki, Eiichi, to Ricoh Company, Ltd. Method of driving thermal head. 4,873,535, 10-10-89, Cl. 346-1.100.
- Sasaki, Eiichi; Mori, Takashi; and Watanabe, Tetsuo, to Ricoh Company, Ltd. Thermal transfer type printing device capable of selecting ink sheets. 4,890,120, 12-26-89, Cl. 346-76.0PH.
- Sasaki, Eisaku, to NEC Corporation. CMI decoder. 4,837,782, 6-6-89, Cl. 375-95.000.
- Sasaki, Eisaku, to NEC Corporation. Stepped square-QAM demodulator utilizing all signal points to generate control signals. 4,864,244, 9-5-89, Cl. 329-304.000.
- Sasaki, Fujio: *See*—
  - Nagashima, Akira; and Sasaki, Fujio, 4,809,438, Cl. 30-390.000.
- Sasaki, Gen: *See*—
  - Koyanagi, Yoshihiro; Imamura, Takashi; and Sasaki, Gen, 4,833,487, Cl. 346-1.100.
- Sasaki Glass Co., Ltd.: *See*—
  - Toyoda, Hirokazu, 4,865,153, Cl. 181-153.000.
- Sasaki, Gordon H., to Dow Corning Wright Corporation. Lozenge-shaped low profile injection reservoir. 4,840,190, 6-20-89, Cl. 128-897.000.
- Sasaki, Gordon H.; Jakubczak, Eugene R., and Gauger, John R. D., to Dow Corning Wright Corporation. Tissue expander and method of making and using. 4,841,992, 6-27-89, Cl. 128-899.000.
- Sasaki, Gregory R.: *See*—
  - Cohn, David B.; and Sasaki, Gregory R., 4,880,978, Cl. 250-332.000.
- Sasaki, Hatsuo: *See*—
  - Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.
- Sasaki, Hideharu: *See*—
  - Sawaki, Toru; Sasaki, Hideharu; Nakamura, Tsutomu; and Sadanobu, Jiro, 4,840,762, Cl. 264-29.200.
- Sasaki, Hideki; Matsuoka, Shigeru; Matsuda, Eiji; Yonenaga, Hitoshi; and Fukushima, Masahito, to Hitachi, Ltd. Document editing apparatus having document collator function. 4,890,256, 12-26-89, Cl. 364-900.000.
- Sasaki, Hidemi; Kaneko, Kiyotaka, and Kobayashi, Naoki, to Fuji Photo Film Co., Ltd. Compact rotary magnetic disc device having a magnetic disc holder. 4,835,635, 5-30-89, Cl. 360-96.500.
- Sasaki, Hidemi; and Kobayashi, Naoki, to Fuji Photo Film Co., Ltd. Rotary magnetic disc device having a compact locking device. 4,835,639, 5-30-89, Cl. 360-99.060.
- Sasaki, Hidemi; and Kobayashi, Naoki, to Fuji Photo Film Co., Ltd. Rotary magnetic disc device with improved disc pack positioning structure. 4,860,136, 8-22-89, Cl. 360-99.050.
- Sasaki, Hidemi; and Kobayashi, Naoki, to Fuji Photo Film Co., Ltd. Mechanism for guiding head carriage. 4,864,446, 9-5-89, Cl. 360-106.000.
- Sasaki, Hidemi: *See*—
  - Ando, Shigeru; and Sasaki, Hidemi, 4,878,138, Cl. 360-99.020.
  - Negishi, Kenji; Sasaki, Hidemi; and Fujishiro, Takeshi, 4,873,598, Cl. 360-106.000.
- Sasaki, Hideo, to Taisei Road Construction Co., Ltd. Apparatus for producing a heated reproduction asphalt mixture. 4,802,139, 1-31-89, Cl. 366-16.000.
- Sasaki, Hideto: *See*—
  - Egoshi, Yoshiaki; and Sasaki, Hideto, 4,834,165, Cl. 164-14.000.
- Sasaki, Hiroaki; Hasegawa, Kazuo; Fukukawa, Noboru; and Yata, Masanori, to Alps Electric Co., Ltd. Disc driving device. 4,797,769, 1-10-89, Cl. 360-99.080.
- Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, to Alps Electric Co., Ltd. Remote control apparatus. 4,825,209, 4-25-89, Cl. 340-825.720.
- Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, to Toppan Printing Co., Ltd.; and Nippon Suisan Kaisha, Ltd. Package material for microwave cooking. 4,835,352, 5-30-89, Cl. 219-10.55E.
- Sasaki, Hiroaki; Ouchi, Junichi; and Hasegawa, Kazuo, to Alps Electric Co., Ltd. Photoelectric touch panel. 4,868,550, 9-19-89, Cl. 340-712.000.
- Sasaki, Hiroaki: *See*—
  - Hasegawa, Kazuo; Ohuchi, Junichi; and Sasaki, Hiroaki, 4,812,642, Cl. 250-221.000.
  - Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, 4,859,840, Cl. 235-463.000.
  - Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.
  - Ohouchi, Junichi; Sasaki, Hiroaki; and Hasegawa, Kazuo, 4,801,797, Cl. 250-221.000.
  - Ohuchi, Junichi; Hasegawa, Kazuo; and Sasaki, Hiroaki, 4,806,749, Cl. 250-221.000.
  - Ouchi, Junichi; Sasaki, Hiroaki; and Hasagawa, Kazuo, 4,845,346, Cl. 250-221.000.
- Sasaki, Hirohisa; Saotome, Takeo; Sano, Moriya; Marusugi, Kouichiro; Hoshino, Hiroaki; Minowa, Yoshibumi; and Moriguchi, Tetsuo, to Mitsubishi Denki Kabushiki Kaisha. Method for producing sugar-added margarine. 4,828,855, 5-9-89, Cl. 426-241.000.
- Sasaki, Hiroki: *See*—
  - Inukai, Shinji; Kuno, Nobuyoshi; Takanishi, Hiroyoshi; and Sasaki, Hiroki, 4,799,135, Cl. 362-296.000.
  - Sugimoto, Takahiro; Sasaki, Hiroki; Yonezawa, Akihiro; and Mitsuyuki, Youichiro, 4,835,442, Cl. 313-565.000.
- Sasaki, Hiromitsu; Kitamura, Fumio; and Koike, Akiharu, to Kitamura Kiden Co., Ltd. Wound core having circular and elliptic outer surface portions. 4,848,684, 7-18-89, Cl. 242-1.000.
- Sasaki, Hiromu, to Sharp Kabushiki Kaisha. Sheet refeeding apparatus. 4,803,522, 2-7-89, Cl. 355-26.000.
- Sasaki, Hironaka; and Hoshino, Ryoichi, to Showa Aluminum Kabushiki Kaisha. Stack type heat exchanger. 4,815,532, 3-28-89, Cl. 165-152.000.
- Sasaki, Hironaka: *See*—
  - Hoshino, Ryoicni; Sasaki, Hironaka; and Yasutake, Takayuki, 4,825,941, Cl. 165-110.000.

- Sasaki, Hiroshi: *See*—
  - Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
  - Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.
  - Morimoto, Iwao; and Sasaki, Hiroshi, 4,831,942, Cl. 110-345.000.
  - Omizono, Hitoshi; Sasaki, Hiroshi; Fukatsu, Yasuo; Ota, Saburo; and Ueda, Yoshio, 4,837,995, Cl. 52-223.00L.
  - Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.
  - Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, 4,841,514, Cl. 369-100.000.
- Sasaki, Hiroyuki: *See*—
  - Okada, Shin-ichi; and Sasaki, Hiroyuki, 4,833,441, Cl. 340-450.000.
- Sasaki, Hisao; Terada, Matsuaki; Matsui, Susumu; Kawakita, Kenji; Kashio, Jiro; Baba, Shiro; Akao, Yasushi; and Okochi, Toshio, to Hitachi, Ltd. Data memory system. 4,881,167, 11-14-89, Cl. 364-200.000.
- Sasaki, Hitoshi; and Igota, Shoji, to Ajinomoto Co., Inc. Resin coated can with folded seam. 4,872,590, 10-10-89, Cl. 220-457.000.
- Sasaki, Ichiro: *See*—
  - Sengyoji, Kazuo; and Saseki, Ichiro, 4,810,058, Cl. 350-331.00R.
  - Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiya, Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumoto, Yumio, 4,851,881, Cl. 335-27.000.
- Sasaki, Ikuharu: *See*—
  - Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, 4,844,897, Cl. 424-94.300.
- Sasaki, Ikuo: *See*—
  - Nakagawa, Osamu; Yanagitani, Koji; Sasaki, Ikuo; and Banjo, Toshinobu, 4,818,204, Cl. 249-83.000.
- Sasaki, Isao; Nishida, Kozi; Morimoto, Masaru; Anzai, Hisao; and Makino, Hideaki, to Mitsubishi Rayon Company Ltd. Light transmitting fiber. 4,804,259, 2-14-89, Cl. 350-96.340.
- Sasaki, Isao; Mukai, Nobuhiro; and Ige, Hitoshi, to Mitsubishi Rayon Co., Ltd. Photopolymerizable composition. 4,826,888, 5-2-89, Cl. 522-26.000.
- Sasaki, Isao; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, to Mitsubishi Rayon Company Ltd. Antistatic thermoplastic resin composition. 4,859,727, 8-22-89, Cl. 524-147.000.
- Sasaki, Isao; Kushi, Kenji, and Taguchi, Nobuyoshi, to Mitsubishi Rayon Company, Ltd. Composition easily dyeable with sublimable desperse dye. 4,877,922, 10-31-89, Cl. 528-272.000.
- Sasaki, Isao: *See*—
  - Anzai, Hisao; Makino, Hideaki; Sasaki, Isao; Nishida, Kozi; and Morimoto, Masaru, 4,816,524, Cl. 525-378.000.
  - Hirayama, Shigemitsu; Akashi, Takamichi; Ikuta, Akio; Sasaki, Isao; and Fukuda, Hiroshi, 4,872,974, Cl. 210-90.000.
- Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, to Fuji Photo Film Co., Ltd. Fine porous membrane and process for producing the same. 4,840,733, 6-20-89, Cl. 210-500.410.
- Sasaki, Junso: *See*—
  - Hitomi, Mitsuo; Okazaki, Katsumi; Sasaki, Junso; and Yuzuriha, Yasuhiro, 4,829,941, Cl. 123-52.0ML.
- Sasaki, Kaguya: *See*—
  - Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
- Sasaki, Kan; Takimura, Keisuke; and Katayama, Nobuaki, to Toyota Jidosha Kabushiki Kaisha. Output shaft assembly in power transfer device. 4,867,001, 9-19-89, Cl. 74-424.000.
- Sasaki, Kan: *See*—
  - Katayama, Nobuaki; Sasaki, Kan; Koide, Takeharu; and Takimura, Keisuke, 4,802,383, Cl. 74-711.000.
  - Katayama, Nobuaki; and Sasaki, Kan, 4,815,336, Cl. 74-701.000.
- Sasaki, Kanemi, to Kokusai Denki Kabushiki Kaisha. Di-electric band-pass filter. 4,890,079, 12-26-89, Cl. 333-206.000.
- Sasaki, Katsuhiko, to Makita Electric Works, Ltd. Power driven screw-driver. 4,809,572, 3-7-89, Cl. 81-429.000.
- Sasaki, Katsuhiro, to NEC Corporation. Multiplexer for multiplexing insertion codes and a digital data signal train. 4,837,763, 6-6-89, Cl. 370-112.000.
- Sasaki, Katsuhiro; and Fukuda, Seiji, to NEC Corporation. Fault detection signal transmission system. 4,876,686, 10-24-89, Cl. 371-49.100.
- Sasaki, Katsumi: *See*—
  - Hanazawa, Hideaki; Mori, Makoto; Sasaki, Katsumi; and Inagaki, Katsumi, 4,812,327, Cl. 427-388.400.
  - Miyasaka, Matsuho; Ichikawa, Katsuhiro; Sasaki, Katsumi; Mizobuchi, Syotaro; and Ogure, Naoaki, 4,861,395, Cl. 148-321.000.
  - Mizobuchi, Shotaro; Sasaki, Katsumi; and Kimura, Yoshikazu, 4,806,080, Cl. 417-353.000.
  - Mizobuchi, Shotaro; Kanamori, Toshiya; Sasaki, Katsumi; Chiba, Katsutoshi; and Kimura, Yoshikazu, 4,820,949, Cl. 310-90.000.
- Sasaki, Katumaru, to Kabushiki Kaisha Toshiba. Portable apparatus having a cable guide duct mounted between a base housing and a display and pivotally connected to the base housing. 4,864,523, 9-5-89, Cl. 364-708.000.
- Sasaki, Katumaru: *See*—
  - Saitou, Yoshio; and Sasaki, Katumaru, 4,846,536, Cl. 312-72.000.
- Sasaki, Katutoki; Ohguma, Hirotsugu; and Matsutani, Kinya, to Kabushiki Kaisha Toshiba. Magnetic shield for a magnetic resonance magnet. 4,849,727, 7-18-89, Cl. 335-301.000.
- Sasaki, Kazuaki: *See*—
  - Hosoda, Masahiro; Sasaki, Kazuaki; Kondo, Masaki; and Yamamoto, Saburo, 4,860,299, Cl. 372-46.000.
- Sasaki, Kazuji, to Sony Corporation. Synchronizing detecting circuit for a digital broadcasting receiver. 4,800,578, 1-24-89, Cl. 375-116.000.
- Sasaki, Kazumi: *See*—
  - Ishibashi, Masaru; Tsubata, Takeshi; and Sasaki, Kazumi, 4,809,055, Cl. 357-71.000.
- Sasaki, Kazuo: *See*—
  - Hayashida, Mitsuharu; Sasaki, Kazuo; Yasui, Nobusige; and Takahashi, Eiji, 4,801,037, Cl. 220-259.000.
  - Kayanuma, Kazuo; and Sasaki, Kazuo, 4,870,249, Cl. 219-206.000.
  - Nishiguchi, Youichi; and Sasaki, Kazuo, 4,805,768, Cl. 206-213.100.
  - Nishiguchi, Youichi; and Sasaki, Kazuo, 4,869,047, Cl. 53-432.000.
- Sasaki, Kazutomo: *See*—
  - Yashiki, Seiji; Hirano, Hiroshi; and Sasaki, Kazutomo, 4,883,034, Cl. 123-339.000.
- Sasaki, Keiji: *See*—
  - Tanaka, Hazime; Sasaki, Keiji; and Suzuki, Hirayoshi, 4,827,094, Cl. 200-83.00J.
  - Tanaka, Hazime; Suzuki, Hirayoshi; and Sasaki, Keiji, 4,853,504, Cl. 200-83.00P.
- Sasaki, Kenichi: *See*—
  - Kanno, Tatsuya; Takahashi, Ikuo; Sasaki, Kenichi; Habe, Tsuyoshi; and Sei, Tsuyoshi, 4,831,110, Cl. 528-204.000.
  - Okubo, Akira; and Sasaki, Kenichi, 4,797,647, Cl. 336-175.000.
- Sasaki, Kenji; and Ito, Shunji, to Howa Machinery, Ltd. Apparatus for transporting roving bobbins. 4,841,719, 6-27-89, Cl. 57-281.000.
- Sasaki, Kenji: *See*—
  - Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,799,353, Cl. 57-281.000.
  - Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,841,720, Cl. 57-281.000.
- Sasaki, Kiichi; Honda, Tadanori; Saruwatari, Hidetoshi; and Higuchi, Kazuo, to Honda Giken Kogyo Kabushiki Kaisha. Door checker for seat belt reacher system. 4,858,952, 8-22-89, Cl. 280-802.000.
- Sasaki, Kinihiko: *See*—
  - Ishima, Tsutomu; and Sasaki, Kinihiko, 4,872,842, Cl. 439-15.000.
- Sasaki, Kiyoshi: *See*—
  - Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, 4,841,459, Cl. 364-557.000.
  - Tanaka, Hideo; Bannai, Saburo; Sasaki, Kiyoshi; and Totani, Tsuginobu, 4,802,097, Cl. 364-476.000.
- Sasaki, Ko: *See*—
  - Taniguchi, Yasuro; Sasaki, Ko; Ueki, Mitsuo; and Kobori, Keiichi, 4,830,930, Cl. 428-547.000.
- Sasaki, Koji: *See*—
  - Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.
- Sasaki, Kouji: *See*—
  - Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,843,387, Cl. 340-870.370.
  - Arai, Yoshihiro; Sasaki, Kouji; and Ohsaki, Takanori, 4,879,552, Cl. 340-870.370.
- Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, to Alps Electric Co., Ltd. Electrical connection apparatus. 4,824,396, 4-25-89, Cl. 439-475.000.
- Sasaki, Kunimasa: *See*—
  - Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.
- Sasaki, Makoto; Takeuchi, Kiyohumi; and Takatsu, Haruyoshi, to Dainippon Ink and Chemicals, Inc. Optically active pyridines useful in liquid crystal form for electrical display devices. 4,880,936, 11-14-89, Cl. 546-339.000.
- Sasaki, Makoto: *See*—
  - Hasegawa, Kazuo; Ouchi, Junichi; Sasaki, Hiroaki; Nakase, Koji; and Sasaki, Makoto, 4,859,840, Cl. 235-463.000.
  - Kondo, Hitoshi; Sasaki, Makoto; and Kobayashi, Yukio, 4,803,248, Cl. 525-211.000.
  - Takatsu, Haruyoshi; Sasaki, Makoto; Tanaka, Yasuyuki; and Sato, Hisato, 4,820,878, Cl. 568-659.000.
  - Takeuchi, Kiyohumi; Sasaki, Makoto; and Takatsu, Haruyoshi, 4,814,516, Cl. 568-631.000.
  - Tsuchiya, Shozo; Sasaki, Makoto; and Kobayashi, Yukio, 4,849,486, Cl. 525-152.000.
- Sasaki, Manji; Ebina, Chinehito; Okamura, Haruki; Yachigo, Shinichi; and Ishii, Tamaki, to Sumitomo Chemical Company, Limited. Production of hydroxyphenylpropionic acid ester having a novel crystalline structure. 4,845,244, 7-4-89, Cl. 549-335.000.
- Sasaki, Manji: *See*—
  - Fukui, Yoshiharu; Kuroda, Kazuhisa; Ishii, Tamaki; and Sasaki, Manji, 4,833,408, Cl. 524-100.000.
  - Ishii, Tamaki; Yachigo, Shinichi; Okita, Taisuke; Sasaki, Manji; and Ebina, Chinehito, 4,829,112, Cl. 524-108.000.
- Sasaki, Masafumi: *See*—
  - Imasaki, Kenji; Ichihashi, Toshiaki; and Sasaki, Masafumi, 4,839,922, Cl. 380-15.000.

- Sasaki, Masahiko: *See—*
  - Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
  - Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.
  - Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.
  - Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.
- Sasaki, Masamitsu: *See—*
  - Uchida, Shin-ichi; Deguchi, Kozi; and Sasaki, Masamitsu, 4,871,700, Cl. 502-51.000.
- Sasaki, Masao; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Light-sensitive silver halide photographic material. 4,795,696, 1-3-89, Cl. 430-512.000.
- Sasaki, Masaomi; and Shimada, Tomoyuki, to Ricoh Company, Ltd. Bisazo compounds and electrophotographic photoconductors comprising the bisazo compounds. 4,830,943, 5-16-89, Cl. 430-58.000.
- Sasaki, Masaomi, to Ricoh Company, Ltd. Electrophotographic photoconductor containing stilbene compound. 4,859,556, 8-22-89, Cl. 430-73.000.
- Sasaki, Masaomi: *See—*
  - Shimada, Tomoyuki; Sasaki, Masaomi; and Hashimoto, Mitsuru, 4,886,846, Cl. 523-453.000.
- Sasaki, Masaru: *See—*
  - Machida, Tsutomu; Mochizuki, Toshiyasu; and Sasaki, Masaru, 4,862,330, Cl. 362-61.000.
- Sasaki, Masateru; and Inouye, Yuji, to Fujitsu Limited. Optical writing and reading method and apparatus. 4,831,611, 5-16-89, Cl. 369-58.000.
- Sasaki, Masayoshi; and Katoh, Teruo, to Oki Electric Industry Co., Ltd. Process of fabricating a semiconductor device involving densification and recrystallization of amorphous silicon. 4,814,292, 3-21-89, Cl. 437-101.000.
- Sasaki, Masayoshi: *See—*
  - Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.
- Sasaki, Mashiko, to Asahi Kogaku Kogyo Kabushiki Kaisha. Disk setting mechanism for a disk player. 4,862,445, 8-29-89, Cl. 369-75.200.
- Sasaki, Michiaki; Mochida, Haruo; and Nasu, Tetsuzi, to Nissan Motor Co., Ltd. Apparatus for preventing the outlfow of a fuel from a fuel tank for vehicle. 4,815,436, 3-28-89, Cl. 123-520.000.
- Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, to Nissan Motor Company, Limited; and Jidosha Denki Kogyo Kabushiki Kaisha. Fuel transfer apparatus. 4,834,132, 5-30-89, Cl. 137-143.000.
- Sasaki, Michiaki, to Nissan Motor Company, Limited. Fuel tank vent system for automotive vehicles. 4,836,402, 6-6-89, Cl. 220-85.0VS.
- Sasaki, Michiaki; and Yamamoto, Kiyokazu, to Nissan Motor Company, Limited; and Jidosha Denki Kogyo Kabushiki Kaisha. Fuel tank arrangement. 4,838,307, 6-13-89, Cl. 137-574.000.
- Sasaki, Migaku; Koike, Eiji; Ohtomo, Toshio; and Hirose, Jun, to ATOM Kabushiki Kaisha. Incubator. 4,796,605, 1-10-89, Cl. 600-22.000.
- Sasaki, Minoru, to Kabushiki Kaisya Advance Kaihatsu Kenkyujo. Artifact detecting apparatus in the measurement of a biological signal. 4,796,638, 1-10-89, Cl. 128-696.000.
- Sasaki, Minoru, to Kabushiki Kaisha Toshiba. Electronic still camera for recording still picture on memory card with mode selecting shutter release. 4,837,628, 6-6-89, Cl. 358-209.000.
- Sasaki, Minoru; and Suzuki, Nobuji, to Fuji Jukogyo Kabushiki Kaisha. Window regulator. 4,848,033, 7-18-89, Cl. 49-352.000.
- Sasaki, Minoru: *See—*
  - Imai, Hideki; and Sasaki, Minoru, 4,839,649, Cl. 341-65.000.
- Sasaki, Mitsuo, to Tsugarusoken Co., Ltd. Place-on type assemblage structure. 4,800,694, 1-31-89, Cl. 52-175.000.
- Sasaki, Mitsuo, to Just Japan Co., Ltd. Assembly-type barricade. 4,854,767, 8-8-89, Cl. 404-6.000.
- Sasaki, Morimasa: *See—*
  - Satoh, Takateru; Tanaka, Kimio; and Sasaki, Morimasa, 4,853,816, Cl. 360-132.000.
  - Tanaka, Kimio; Sasaki, Morimasa; and Ikebe, Masaru, 4,862,448, Cl. 369-291.000.
- Sasaki, Naoko: *See—*
  - Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, 4,840,959, Cl. 514-355.000.
- Sasaki, Noboru; Yamada, Haruki; Onchi, Yoshiaki; and Horio, Kazuya, to Toyota Jidosha Kabushiki Kaisha. Organic solvent cleaning apparatus. 4,800,362, 1-24-89, Cl. 340-78.000.
- Sasaki, Noboru; and Shiba, Keisuke, to Fuji Photo Film Co., Ltd. Photographic light-sensitive material-packed unit having exposure function. 4,827,298, 5-2-89, Cl. 354-288.000.
- Sasaki, Noboru; and Shiba, Keisuke, to Fuji Photo Film Co., Ltd. Light-sensitive material package unit having exposure function. 4,849,325, 7-18-89, Cl. 430-505.000.
- Sasaki, Noboru: *See—*
  - Makino, Katsumi; Sasaki, Noboru; and Takahashi, Koji, 4,806,459, Cl. 430-544.000.
- Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, to Canon Kabushiki Kaisha. Document feeding apparatus with image area designation device. 4,829,341, 5-9-89, Cl. 355-75.000.
- Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, to Canon Kabushiki Kaisha. Sheet conveying apparatus. 4,8[illegible]47, 10-10-89, Cl. 355-316.000.
- Sasaki, Nobukazu: *See—*
  - Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.
  - Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.
  - Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-7.000.
  - Kusumoto, Toshihiko; Kasamura, Toshirou; Okuda, Naoki; Ohashi, Masashi; Sasaki, Nobukazu; and Nada, Minoru, 4,841,336, Cl. 355-245.000.
  - Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, 4,823,159, Cl. 355-3.0SH.
- Sasaki, Nobuo; Kuragano, Tetsuzo; and Minami, Nobuyuki, to Sony Corporation. Method and system for effecting a transformation of a video image. 4,860,217, 8-22-89, Cl. 364-518.000.
- Sasaki, Nobuo: *See—*
  - Kuragano, Tetsuzo; and Sasaki, Nobuo, 4,866,631, Cl. 364-474.290.
- Sasaki, Noriaki: *See—*
  - Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, 4,885,057, Cl. 162-9.000.
- Sasaki, Norio: *See—*
  - Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.
- Sasaki, Osamu: *See—*
  - Fukuda, Toshio; Yoneda, Kenji; Ueshima, Takaaki; and Sasaki, Osamu, 4,852,696, Cl. 187-139.000.
- Sasaki, Ryoichi, to Brother Kogyo Kabushiki Kaisha. Recording apparatus with a function of determining recording direction of explanatory characters for graph. 4,837,709, 6-6-89, Cl. 364-519.000.
- Sasaki, Ryoichi, to Brother Kogyo Kabushiki Kaisha. Display control device for a typewriter which displays both input characters and format information. 4,840,499, 6-20-89, Cl. 400-83.000.
- Sasaki, Ryoichi, to Brother Kogyo Kabushiki Kaisha. Printing apparatus for automatically conducting a carriage return. 4,880,321, 11-14-89, Cl. 400-64.000.
- Sasaki, Ryoichi: *See—*
  - Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.
  - Miyaoka, Shinichiro; Sasaki, Ryoichi; and Shiraishi, Takayoshi, 4,831,659, Cl. 382-56.000.
  - Mori, Masaharu; Ueno, Hideo; Yamakawa, Kiyoshi; Kawakami, Yuji; and Sasaki, Ryoichi, 4,834,566, Cl. 400-697.000.
  - Sakai, Toshiyuki; Sasaki, Ryoichi; and Kumazawa, Hajime, 4,830,521, Cl. 400-63.000.
  - Takaragi, Kazuo; Sasaki, Ryoichi; Shiraishi, Takayoshi; and Kurashiki, Nobuhiro, 4,885,777, Cl. 380-30.000.
  - Takaragi, Kazuo; Shiraishi, Takayoshi; and Sasaki, Ryoichi, 4,885,788, Cl. 380-23.000.
- Sasaki, Saburo; Himuro, Keiji; and Koshiishi, Shinichiro, to Ricoh Company, Ltd. Lens driving and shutter opening and closing device for a camera. 4,862,203, 8-29-89, Cl. 354-400.000.
- Sasaki, Saburo; Ishida, Tsutomu; and Yamamoto, Kenji, to Ricoh Company, Ltd.; and Ricoh Research Institute of General Electronics. Contact type image sensor. 4,874,957, 10-17-89, Cl. 250-578.000.
- Sasaki, Saburo: *See—*
  - Kishida, Daisuke; and Sasaki, Saburo, 4,878,081, Cl. 354-414.000.
- Sasaki, Sachio; Wanou, Masahiro; Kimura, Masatoshi; and Nakajima, Junzo, to Fujitsu Limited. Compact electrophotographic printing apparatus having an improved development means and a method for operating the same. 4,804,994, 2-14-89, Cl. 355-3.0DD.
- Sasaki, Seishi; Chiba, Mitsuo; Bannai, Tatsushi; and Awamoto, Shigeru, to Matsushita Electric Industrial Co., Ltd. Method and apparatus for video signal recording and playback signal level compensation based on recorded reference signal. 4,807,056, 2-21-89, Cl. 360-27.000.
- Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, to Nippon Hoso Kyokai; and Matsushita Electric Industrial Co., Ltd. Video signal recording method and associated recording/reproducing apparatus. 4,839,744, 6-13-89, Cl. 358-320.000.
- Sasaki, Seishi: *See—*
  - Bannai, Tatsushi; Awamoto, Shigeru; Chiba, Mitsuo; and Sasaki, Seishi, 4,887,169, Cl. 358-335.000.
- Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, to TDK Corporation. Through-type capacitor and magnetron using same. 4,811,161, 3-7-89, Cl. 361-302.000.
- Sasaki, Shigekuni; and Hasuda, Yoshinori, to Nippon Telegraph and Telephone Corporation. Process for preparing polyesterimide from bis(hydroxyphthalimide). 4,855,390, 8-8-89, Cl. 528-170.000.

- Sasaki, Shigekuni: *See—*
  - Nishi, Shiro; Sasaki, Shigekuni; and Hasuda, Yoshinori, 4,808,676, Cl. 525-423.000.
- Sasaki, Shigeo: *See—*
  - Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fujimoto, Kazumi; and Takeya, Hitoshi, 4,886,971, Cl. 250-492.200.
  - Yamamoto, Osamu; Sasaki, Shigeo; and Kagano, Shinichi, 4,802,045, Cl. 360-132.000.
- Sasaki, Shigeru: *See—*
  - Sakakihara, Hisashi; and Sasaki, Shigeru, 4,796,285, Cl. 378-173.000.
- Sasaki, Shinichi: *See—*
  - Nomura, Akihiro; Namekata, Kiyokazu; Kurata, Mitsuru; Niizawa, Takuji; Ebata, Tokihide; and Sasaki, Shinichi, 4,862,215, Cl. 355-309.000.
- Sasaki, Shinji: *See—*
  - Saito, Hiroshi; and Sasaki, Shinji, 4,831,963, Cl. 118-723.000.
  - Tateishi, Hideki; Saito, Hiroshi; Sasaki, Shinji; and Horiuchi, Mitsuaki, 4,853,102, Cl. 204-298.000.
- Sasaki, Shinya, to Hitachi, Ltd. System for amplifying and shaping optical pulses. 4,812,776, 3-14-89, Cl. 330-4.300.
- Sasaki, Shoko: *See—*
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
- Sasaki, Shougo: *See—*
  - Ishido, Takao; Sasaki, Shougo; and Takahashi, Takao, 4,838,321, Cl. 139-20.000.
- Sasaki, Sumio: *See—*
  - Hattori, Osamu; Yasaka, Anton; Nakagawa, Yoshitomo; Sato, Mitsuyoshi; and Sasaki, Sumio, 4,851,097, Cl. 204-192.330.
- Sasaki, Susumu: *See—*
  - Watanabe, Isato; Yamamoto, Shigehiko; Taguchi, Sadanori; and Sasaki, Susumu, 4,855,637, Cl. 313-346.00R.
- Sasaki, Tadashi: *See—*
  - Aoyagi, Takuo; Kobayashi, Nobutaka; and Sasaki, Tadashi, 4,832,484, Cl. 356-41.000.
- Sasaki, Takahide: *See—*
  - Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.
- Sasaki, Takao: *See—*
  - Kawamura, Hideaki; Sasaki, Takao; and Matsumura, Teruyuki, 4,821,201, Cl. 364-474.200.
  - Kawamura, Hideaki; and Sasaki, Takao, 4,862,380, Cl. 364-474.110.
- Sasaki, Takashi; and Hotta, Yukio, to Tokin Corporation. Shielded cable assembly comprising means capable of effectively reducing undesirable radiation of a signal transmitted through the assembly. 4,846,724, 7-11-89, Cl. 439-610.000.
- Sasaki, Takashi: *See—*
  - Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
  - Iwagaki, Masaru; Sasaki, Takashi; Kumamura, Tawara; Ishii, Fumio; and Koshizuka, Kunihiro, 4,840,882, Cl. 430-505.000.
  - Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, 4,862,300, Cl. 360-85.000.
  - Komamura, Tawara; Ikeuchi, Satoru; Iwagaki, Masaru; Sasaki, Takashi; and Ishikawa, Wataru, 4,871,647, Cl. 430-201.000.
- Sasaki, Takayoshi: *See—*
  - Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, 4,818,735, Cl. 501-134.000.
- Sasaki, Takayuki; Ueno, Katsuhiko; Ichimura, Eiichi; and Kodama, Yasumasa, to Sony Corporation. Apparatus for recording reproducing a still image and corresponding audio information in respective tracks on a disk with the audio compressed on segments of a track. 4,816,928, 3-28-89, Cl. 360-35.100.
- Sasaki, Takayuki: *See—*
  - Ebihara, Norio; Sasaki, Takayuki; Kita, Hiroyuki; and Ohsawa, Yoshihito, 4,864,402, Cl. 358-160.000.
- Sasaki, Takeshi; and Monma, Hideo, to Fujitsu Limited. Semiconductor device having a test circuit. 4,833,395, 5-23-89, Cl. 324-73.00R.
- Sasaki, Takinori; and Takenaka, Noriaki, to AMP Incorporated. Four leaf receptacle contact. 4,795,379, 1-3-89, Cl. 439-856.000.
- Sasaki, Takinori; Takenaka, Noriaki; Kawaguchi, Akira; and Tayama, Yukiharu, to AMP Incorporated. Electrical connector latching mechanism. 4,838,807, 6-13-89, Cl. 439-347.000.
- Sasaki, Takuma: *See—*
  - Maeda, Mitsuaki; and Sasaki, Takuma, 4,880,832, Cl. 514-492.000.
- Sasaki, Tatsuo; Fujimaki, Hideo; Uemura, Tadahiro; and Kurihara, Masaru, to Toray Industries, Inc. Process for preparation of semipermeable composite membrane. 4,857,363, 8-15-89, Cl. 427-245.000.
- Sasaki, Tatsuyoshi: *See—*
  - Okuno, Masaharu; Ishibashi, Toshihiro; Naitou, Satoshi; and Sasaki, Tatsuyoshi, 4,836,183, Cl. 126-110.00R.
- Sasaki, Teruhiko: *See—*
  - Tate, Kazuhito; Yoshida, Hajime; and Sasaki, Teruhiko, 4,801,372, Cl. 208-22.000.
- Sasaki, Teruji: *See—*
  - Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,888,936, Cl. 53-510.000.
  - Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,840,014, Cl. 53-432.000.
- Sasaki, Tetsuo: *See—*
  - Kashiwada, Ken; Muto, Tadanobu; and Sasaki, Tetsuo, 4,874,035, Cl. 165-38.000.
- Sasaki, Tomio, to Ricoh Company, Ltd. Image processing method and system using multiple image sensors producing image data segments which are combined and subjected to optical processing. 4,860,117, 8-22-89, Cl. 358-287.000.
- Sasaki, Tomio, to Ricoh Company, Ltd. Image processing system having a selective magnification function. 4,864,413, 9-5-89, Cl. 358-451.000.
- Sasaki, Tomio: *See—*
  - Kobayashi, Shinji; and Sasaki, Tomio, 4,827,350, Cl. 358-280.000.
- Sasaki, Tomoyuki: *See—*
  - Fujita, Shigeyoshi; Sasaki, Tomoyuki; Fukuhara, Kazuyoshi; and Nishikawa, Hiroshi, 4,823,704, Cl. 104-247.000.
- Sasaki, Toru; and Oikawa, Ryuetsu, to Yazaki Corporation. Crimp-style terminal. 4,832,629, 5-23-89, Cl. 439-889.000.
- Sasaki, Toru: *See—*
  - Arai, Katsuyoshi; and Sasaki, Toru, 4,834,349, Cl. 267-140.100.
- Sasaki, Toshi: *See—*
  - Matsumura, Masami; Sasaki, Toshi; and Ohashi, Yutaka, 4,833,282, Cl. 200-19.0DR.
- Sasaki, Toshiharu: *See—*
  - Akiyama, Yoshihiro; Naka, Teruyuki; Urata, Yoshihito; and Sasaki, Toshiharu, 4,816,921, Cl. 358-256.000.
- Sasaki, Toshimi: *See—*
  - Sobue, Masahisa; Okada, Sensuke; Akahori, Kimihiko; Kuniya, Keiichi; Sasaki, Toshimi; Kajiwara, Toshiyuki; Kimura, Tomoaki; and Nihei, Mitsuo, 4,839,949, Cl. 29-132.000.
- Sasaki, Toshimitsu: *See—*
  - Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, 4,830,633, Cl. 8-160.000.
- Sasaki, Toshio; Ebera, Takeshi; Kawai, Kiyoshi; and Shiga, Akinobu, to Sumitomo Chemical Company, Limited. Process for producing olefin polymer. 4,806,433, 2-21-89, Cl. 502-115.000.
- Sasaki, Toshio: *See—*
  - Ogawa, Masao; and Sasaki, Toshio, 4,886,004, Cl. 112-254.000.
  - Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.
- Sasaki, Toshiyuki, to Pentel Kabushiki Kaisha. Dispenser having a flexible nib, slidable sleeve and cap. 4,826,339, 5-2-89, Cl. 401-269.000.
- Sasaki, Toyonori: *See—*
  - Ishigami, Michifumi; and Sasaki, Toyonori, 4,882,684, Cl. 364-708.000.
  - Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Oku, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, 4,795,120, Cl. 248-289.100.
- Sasaki, Tsutomu: *See—*
  - Kawaguchi, Toshiaki; Sasaki, Tsutomu; Fukumoto, Takaaki; Funada, Yutaka; Kubota, Isao; Hama, Masaharu; and Terada, Nobuyoshi, 4,834,137, Cl. 137-557.000.
- Sasaki, Yasuhiko: *See—*
  - Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, 4,866,196, Cl. 560-012.000.
- Sasaki, Yasutaka, to NEC Corporation. Concentrator system capable of completing emergency calls under congested traffic. 4,839,892, 6-13-89, Cl. 370-95.000.
- Sasaki, Yoji: *See—*
  - Sekigami, Kunie; Nagae, Kouji; and Sasaki, Yoji, 4,878,357, Cl. 62-160.000.
- Sasaki, Yoshihisa: *See—*
  - Doke, Hiroshi; Tuboi, Naruyoshi; Sasaki, Yoshihisa; and Ozawa, Shigeo, 4,795,025, Cl. 198-763.000.
- Sasaki, Yoshikazu; and Misawa, Naoya, to Minolta Camera Kabushiki Kaisha. Laser recording apparatus. 4,799,069, 1-17-89, Cl. 346-108.000.
- Sasaki, Yoshikazu; and Misawa, Naoya, to Minolta Camera Kabushiki Kaisha. Optical laser beam control device for printer. 4,812,861, 3-14-89, Cl. 354-4.000.
- Sasaki, Yoshikazu, to Minolta Camera Kabushiki Kaisha. Laser diode drive system for multione image forming apparatus. 4,827,481, 5-2-89, Cl. 372-31.000.
- Sasaki, Yoshinari; Oda, Etsuji; Nagata, Hirozumi; Kurita, Naoki; and Maehara, Hiroyuki, to Toshiba Kikai Kabushiki Kaisha. Method for controlling injection molding machine. 4,820,464, 4-11-89, Cl. 264-40.100.
- Sasaki, Yoshinori; and Kuroshima, Toshihiro, to TDK Corporation. Chip-like inductance element. 4,842,352, 6-27-89, Cl. 336-83.000.
- Sasaki, Yoshinori; Kuroshima, Toshihiro; and Takahashi, Sumio, to TDK Corporation. Composite bead element. 4,845,452, 7-4-89, Cl. 336-200.000.
- Sasaki, Yoshinori: *See—*
  - Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Takai, Yasuo; and Sasaki, Yoshinori, 4,869,863, Cl. 264-564.000.
  - Kakimoto, Norihiro; Sakai, Teizou; and Sasaki, Yoshinori, 4,849,236, Cl. 426-322.000.

Sasaki, Yoshio: *See*—
Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.
Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.
Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, 4,874,830, Cl. 526-318.400.

Sasaki, Yoshitaka, to TDK Corporation. MOS FET semiconductor device having a cell pattern arrangement for optimizing channel width. 4,833,513, 5-23-89, Cl. 357-23.400.

Sasaki, Yoshiyuki; and F.saoka, Katsuyuki, to Teijin Limited. Bulky flat yarn of silky touch and a process for manufacturing the same. 4,835,956, 6-6-89, Cl. 57-245.000.

Sasaki, Yoshiyuki; and Okamoto, Tetsuo, to Teijin Limited. Synthetic filament-reinforced polymer material sheet and process for producing the same. 4,874,658, 10-17-89, Cl. 428-220.000.

Sasaki, Yuichi: *See*—
Usami, Jun; Hattori, Akinobu; and Sasaki, Yuichi, 4,875,981, Cl. 204-1.00T.

Sasaki, Yukihiko: *See*—
Rice, Cassandra S.; Sasaki, Yukihiko; and Plamthottam, Sebastian S., 4,820,746, Cl. 522-127.000.
Suzuki, Yasuo; and Sasaki, Yukihiko, 4,860,340, Cl. 379-74.000.

Sasaki, Yukio, to Nippon Tensaiseito Kabushiki Kaisha. Method of selecting live sugar beet seeds from a mixture of live and dead seeds. 4,837,970, 6-13-89, Cl. 47-14.000.

Sasaki, Yutaka; Nakamura, Yoshimi; Utsumi, Hiroshi; and Mori, Kunio, to Nitto Chemical Industry Co., Ltd. Method for preparation of antimony and tellurium-containing metal oxide catalysts. 4,826,802, 5-2-89, Cl. 502-206.000.

Sasaki, Yutaka; and Tamura, Yoshiharu, to NEC Corporation. Booster and charger unit used for hand-held portable telephone and having overheat protection circuit. 4,850,006, 7-18-89, Cl. 379-58.000.

Sasaki, Yutaka: *See*—
Edahiro, Takao; Miya, Tetsuo; Sasaki, Yutaka; Okamoto, Katusunari; and Kawachi, Masao, 4,838,916, Cl. 65-3.110.

Sasaki, Yuuichi: *See*—
Yoshida, Akira; and Sasaki, Yuuichi, 4,841,438, Cl. 364-200.000.

Sasaki, Zenichi: *See*—
Hashimoto, Takashi; and Sasaki, Zenichi, 4,870,114, Cl. 521-96.000.

Sasako, Hidenori: *See*—
Hisatake, Michio; Kongo, Takeshi; and Sasako, Hidenori, 4,869,184, Cl. 112-121.120.

Sasakura Engineering Co., Ltd.: *See*—
Minami, Kunihiko; and Noyori, Akimichi, 4,805,690, Cl. 165-89.000.
Mizutani, Junji; and Fujita, Kozo, 4,795,532, Cl. 203-11.000.

Sasakura, Hiroyuki: *See*—
Ueda, Takahisa; Sasakura, Hiroyuki; and Ikeda, Takashi, 4,844,479, Cl. 277-4.000.

Sasakura, Kazuyuki: *See*—
Sugasawa, Tsutomu; and Sasakura, Kazuyuki, 4,831,132, Cl. 540-476.000.

Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, to Nitto Boseki Co., Ltd. Method for treating a fabric and fabric treated thereby. 4,795,674, 1-3-89, Cl. 428-254.000.

Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, to Sumitomo Electric Industries, Ltd. Member for semiconductor apparatus. 4,886,709, 12-12-89, Cl. 428-552.000.

Sasame, Hiroshi: *See*—
Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.

Sasamori, Kenzi, to Mitsubishi Denki Kabushiki Kaisha. Gas-blask load-break switch. 4,829,150, 5-9-89, Cl. 200-148.00A.

Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, to Nippon Suisan Kabushiki Kaisha; Taiyo Fishery Co., Ltd.; Kabushiki Kaisha Kobe Seiko Sho; Ajikan Co., Ltd.; and Kowa Kougyo Co., Ltd. Process for processing and treating raw materials of marine products. 4,816,278, 3-28-89, Cl. 426-513.000.

Sasamoto, Yasuhiko; Hasegawa, Shusaku; and Okazaki, Atsushi, to Taiyo Fishery Co., Ltd. Lobster-like food product and a process for producing the same. 4,889,742, 12-26-89, Cl. 426-643.000.

Sasamura, Ross: *See*—
Preslik, Theresa D.; and Sasamura, Ross, 4,836,568, Cl. 280-164.100.

Sasamura, Ross S.; and Jewell, John H., II, to Paccar Inc. Door check and stop. 4,841,600, 6-27-89, Cl. 16-335.000.

Sasamura, Ross S.; and Jewell, John H., II, to PACCAR Inc. Articulating vent window assembly. 4,850,142, 7-25-89, Cl. 49-381.000.

Sasamura, Ross S.; and Jewell, John H., II, to Paccar Inc. Door alignment assembly and method. 4,861,099, 8-29-89, Cl. 296-202.000.

Sasamura, Ross S.: *See*—
Jewell, John H., II; and Sasamura, Ross S., 4,869,547, Cl. 296-201.000.

Sasano, Akira: *See*—
Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, 4,855,795, Cl. 357-2.000.

Sasanuma, Hiroshi: *See*—
Tanaka, Shotaro; Ikezaki, Masao; Ono, Yukiko; and Sasanuma, Hiroshi, 4,872,162, Cl. 370-85.120.

Sasaoka, Michio: *See*—
Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.
Torii, Sigeru; Tanaka, Hideo; Sasaoka, Michio; and Shiroi, Takashi, 4,798,890, Cl. 540-358.000.
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,801,720, Cl. 540-358.000.
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,810,788, Cl. 540-358.000.
Torii, Sigeru; Uneyama, Kenji; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Shiroi, Takashi, 4,853,466, Cl. 540-215.000.

Sasaoka, Senzo; Inoue, Nobuaki; and Okutsu, Eiichi, to Fuji Photo Film Co., Ltd. Silver halide photographic material and method for forming an image using the same. 4,839,259, 6-13-89, Cl. 430-264.000.

Sasaoka, Senzo; Yoshida, Tetsuo; and Inoue, Nobuaki, to Fuji Photo Film Co., Ltd. Method of forming image providing a change in sensitivity by altering the pH of the developer. 4,873,173, 10-10-89, Cl. 430-964.000.

Sasaoka, Senzo: *See*—
Inoue, Nobuaki; and Sasaoka, Senzo, 4,824,774, Cl. 430-566.000.
Inoue, Nobuaki; Sasaoka, Senzo; and Hayashi, Hiroshi, 4,849, Cl. 430-264.000.

Sasaoka, Toshio: *See*—
Yamanaka, Takeshi; and Sasaoka, Toshio, 4,825,714, Cl. 74-89.15.

Sasatani, Seiei: *See*—
Kim, Soonih; Takeda, Kazuhisa; and Sasatani, Seiei, 4,889,723, Cl. 424-450.000.

Sasatani, Tomohiko: *See*—
Nagasawa, Kenichi; Sasatani, Tomohiko; and Fukatsu, Tsutomu, 4,816,940, Cl. 360-77.150.
Sato, Chikara; Nakayama, Tadayoshi; Takahashi, Koji; and Sasatani, Tomohiko, 4,797,741, Cl. 358-138.000.
Shikakura, Akihiro; Takahashi, Koji; Takei, Masahiro; and Sasatani, Tomohiko, 4,885,637, Cl. 358-133.000.
Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Konia, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, 4,878,128, Cl. 358-315.000.

Sasaya, Hideaki: *See*—
Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, 4,886,423, Cl. 417-222.000.

Sasayama, Atsushi: *See*—
Aiki, Kunio; Sasayama, Atsushi; Nemoto, Tugio; Haneda, Makoto; Ishii, Satoru; Kugimiya, Haruo; and Kawasaki, Tutomu, 4,803,361, Cl. 250-227.000.

Sasayama, Masataka: *See*—
Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki; and Kurimoto, Isao, 4,866,101, Cl. 521-95.000.

Sasayama, Takao: *See*—
Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama, Takeshi; and Sasayama, Takao, 4,837,698, Cl. 364-431.070.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,829,201, Cl. 307-446.000.
Masuda, Ikuro; Kato, Kazuo; Sasayama, Takao; Nishio, Yoji; Kuboki, Shigeo; and Iwamura, Masahiro, 4,890,017, Cl. 307-446.000.
Suzuki, Seikoo; Miki, Masayuki; Sasayama, Takao; Osuga, Minoru; and Oyama, Yoshishige, 4,882,030, Cl. 204-406.000.

Sasayama, Toshio: *See*—
Wakihira, Koichiro; Katsuta, Michitaka; Hino, Masayasu; and Sasayama, Toshio, 4,878,788, Cl. 408-230.000.

Sasazawa, Koji: *See*—
Yasunaga, Tadashi; and Sasazawa, Koji, 4,876,113, Cl. 427-39.00.

Sasco Energy: *See*—
Carpenter, Jeffrey W., 4,832,297, Cl. 248-205.100.

Sase, Masatoshi, to Sony Corporation. Luminance signal forming circuit for color tv camera which combines luminance signal derived from primary color signals with luminance signal derived from complementary color signals. 4,805,011, 2-14-89, Cl. 358-44.000.

Sashco, Inc.: *See*—
Summons, Wayne L.; and Burch, Lester G., 4,863,014, Cl. 206-45.310.

Sashida, Nobuo; and Yamamoto, Yushin, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for correcting DC component of output voltage in inverter. 4,803,611, 2-7-89, Cl. 363-98.000.

Sasho, Yoshio: *See*—
Suga, Nagaichi; Sasho, Yoshio; and Mori, Taro, 4,809,514, Cl. 62-138.000.

Sashou, Hidehiko; and Kizu, Soujiro, to Sony Corporation. Video tape recorder edit control system for performing color frame editing. 4,858,027, 8-15-89, Cl. 358-311.000.

SASIB S.p.A.: *See*—
Gherardi, Gian L., 4,840,266, Cl. 198-471.100.
Manservisi, Renato, 4,798,349, Cl. 242-58.100.
Piana, Maurizio; and Manservisi, Renato, 4,852,588, Cl. 131-84.10.
Spada, Valter; and Mangiarotti, Luigi, 4,795,019, Cl. 198-347.00.

Saska, Thomas J.: *See*—
Driggers, John M.; Saska, Thomas J.; and Bevilacqua, Bruce W., 4,795,885, Cl. 219-534.000.

Saskatchewan Economic Development Corporation: *See*—
Scholler, Siegfried, 4,869,035, Cl. 52-187.000.

Sasmor, Louis; and Smith, Edward D., to Telectronics N.V. System for automatically performing a clinical assessment of an implanted pacer based on information that is telemetrically received. 4,825,869, 5-2-89, Cl. 128-419.0PT.

Sasnett, Michael W.: *See*—
Smith, Donald E.; and Sasnett, Michael W., 4,799,231, Cl. 372-58.000.

Saso, Hirohumi: *See*—
Yoshino, Kouei; Saso, Hirohumi; and Matsumoto, Masayuki, 4,843,360, Cl. 335-80.000.

Saso, Kazuo, to Lion Corporation. Oral composition containing a polyglycerol fatty acid monoester and an N-acylamino acid or a salt thereof. 4,865,839, 9-12-89, Cl. 424-54.000.

Saso, Yasuo: *See*—
Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258.000.

Sass, Bernard J.: *See*—
Flowers, Charles V.; and Sass, Bernard J., 4,887,853, Cl. 285-287.000.

Sass, Thomas J. Locking and seating means for chimney liners. 4,878,326, 11-7-89, Cl. 52-218.000.

Sassa, Robert L.; and Bailey, Christian E., to W. L. Gore & Associates, Inc. Expanded polytetrafluoroethylene tubular container. 4,830,643, 5-16-89, Cl. 55-316.000.

Sassa, Yusei, to Yoshida Kogyo K. K. Parts applicator for slide fasteners. 4,835,845, 6-6-89, Cl. 29-767.000.

Sassa, Yusei, to Yoshida Kogyo K. K. Method of manufacturing separable slide fastener. 4,845,829, 7-11-89, Cl. 29-409.000.

Sassa, Yuusei: *See*—
Yoshieda, Keiichi; Sassa, Yuusei; Sodeno, Toshiaki; and Miyazaki, Kunio, 4,821,396, Cl. 29-410.000.

Sassano, John P.: *See*—
Ardon, Menachem T.; and Sassano, John P., 4,805,166, Cl. 370-54.000.
Ardon, Menachem T.; and Sassano, John P., 4,866,708, Cl. 370-95.100.

Sasse, Klaus; Hagemann, Hermann; Santel, Hans-Joachim; and Schmidt, Robert R., to Bayer Aktiengesellschaft. Herbicidal 2-[4-substituted carboxyamino-phenyl mercapto)]-subsituted pyrimidines. 4,797,146, 1-10-89, Cl. 71-92.000.

Sasse, Klaus; Hansler, Gerd; Schmitt, Hans-Georg; and Paulus, Wilfried, to Bayer Aktiengesellschaft. 1-heteroaryl-4-aryl-pyrazole microbicides. 4,806,540, 2-21-89, Cl. 514-236.500.

Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., to Bayer Aktiengesellschaft. Herbicidal new thiazolyl ether and thioether derivatives. 4,865,641, 9-12-89, Cl. 71-90.000.

Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Santel, Hans-Joachim; Schmidt, Robert R.; and Lursen, Klaus, to Bayer Aktiengesellschaft. Pyri(mi)dyl-oxy-and -thio-benzoic acid derivatives useful as herbicides and plant growth regulants. 4,871,387, 10-3-89, Cl. 71-92.000.

Sasse, Klaus: *See*—
Hagemann, Hermann; and Sasse, Klaus, 4,841,089, Cl. 558-412.000.
Kruger, Bernd-Wieland; Sasse, Klaus; Hoever, Franz-Peter; Nentwig, Gunther; and Berhrenz, Wolfgang, 4,873,252, Cl. 514-315.000.

Sassella, Christopher D., to Dowell Australia Limited. Combination lock. 4,876,864, 10-31-89, Cl. 70-89.000.

Sassella, Christopher D.; Whitney, John R.; and McGeehan, Harold K., to Dowell Australia Ltd. Apparatus for machining a work piece and a jig assembly for holding the work piece. 4,877,227, 10-31-89, Cl. 269-43.000.

Sassenberg, Gero, to Karl Lautenschlager GmbH & Co. KG. Cabinet hinge with cover in the form of an elongated bellows. 4,856,141, 8-15-89, Cl. 16-250.000.

Sassenfeld, Helmut M.: *See*—
Brewer, Stephen J.; and Sassenfeld, Helmut M., 4,880,911, Cl. 530-351.000.

Sasser, Thurman: *See*—
Vela, Leo; Sasser, Thurman; and Martin, Roger L., 4,882,724, Cl. 364-401.000.

Sassi, Kari, to Konejukka Oy. Apparatus for transmitting torque from a driving shaft to a driven shaft, particularly an over-running clutch. 4,825,990, 5-2-89, Cl. 192-41.00R.

Sassmann, Gerhard: *See*—
Diehl, Werner K.; Fieseler, Heinrich; and Sassmann, Gerhard, 4,802,598, Cl. 215-348.000.

Sassmannshausen, Kunt O. Searchlight, in particular a portable searchlight with an accompanying current supply. 4,890,209, 12-26-89, Cl. 362-348.000.

Sasson, Yoel: *See*—
Dakka, Jihad; Zoran, Amikam; and Sasson, Yoel, 4,853,479, Cl. 566-77.000.

Sastri, Vinod R.: *See*—
Tesoro, Giuliana C.; and Sastri, Vinod R., 4,882,399, Cl. 525-523.000.

Sastry, Shankar M.; and Lederich, Richard J., to McDonnell Douglas Corporation. Explosively bonded expanded structure. 4,811,766, 3-14-89, Cl. 148-11.50A.

Sasuta, Michael D.: *See*—
Comroe, Richard A.; Major, John E.; Coombes, Daniel J.; Whitney, Susan M.; Sasuta, Michael D.; Zdunek, Kenneth J.; Pioch, Gerald E.; Borras, Jaime A.; Scheiderer, Ronald L.; and Blackston, Susan M., 4,817,190, Cl. 455-11.000.

Sata, Ichiko: *See*—
Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya, Syuzo; Shiotani, Shinobu; and Sata, Ichiko, 4,833,611, Cl. 364-419.000.
Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,860,206, Cl. 364-419.000.
Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,988, Cl. 364-419.000.

Sata, Nobuhiro, to Japan as represented by Director General of Agency of Industrial Science and Technology. Method for reactive preparation of a shaped body of inorganic compound of metal. 4,889,745, 12-26-89, Cl. 427-12.000.

Sata, Shingo: *See*—
Baldwin, David R.; and Sata, Shingo, 4,797,755, Cl. 360-49.000.

Sata, Toshio: *See*—
Akao, Mutsuo; Endo, Hisao; Sata, Toshio; and Ishiguro, Masanori, 4,796,823, Cl. 242-71.800.

Sataka, Naoyuki: *See*—
Kawamura, Sadao; Iwashita, Kanau; Fuse, Tomeo; Kawahara, Shuichi; Sataka, Naoyuki; and Ito, Hidekuni, 4,834,223, Cl. 188-282.000.

Satake, Atsushi; and Hirose, Hajime, to Tokyo Juki Industrial Co., Ltd. Paper feeding device for printers. 4,887,922, 12-19-89, Cl. 400-637.000.

Satake Engineering Co., Ltd.: *See*—
Satake, Toshihiko, 4,800,280, Cl. 250-339.000.
Satake, Toshihiko, 4,806,764, Cl. 250-339.000.
Satake, Toshihiko, 4,829,891, Cl. 99-471.000.
Satake, Toshihiko, 4,829,893, Cl. 99-603.000.
Satake, Toshihiko, 4,843,957, Cl. 99-519.000.

Satake, Keigo: *See*—
Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, 4,795,484, Cl. 71-92.000.

Satake, Masaki: *See*—
Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, 4,859,576, Cl. 430-523.000.
Tomiyama, Hideki; Horie, Ikutaro; and Satake, Masaki, 4,833,063, Cl. 430-216.000.
Yamada, umito; Kawasaki, Hiroshi; and Satake, Masaki, 4,797,353, Cl. 430-434.000.

Satake, Naoto: *See*—
Kondo, Hiromasa; Okumura, Yoshitaka; Fukui, Terunobu; Egashira, Noritaka; Iwata, Tamami; and Satake, Naoto, 4,837,200, Cl. 503-227.000.

Satake, Tadashi: *See*—
Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.

Satake, Takeshi; and Imada, Yoshiyuki, to Mitsubishi Cable Industries, Ltd. Wear sensor. 4,884,434, 12-5-89, Cl. 73-7.000.

Satake, Tetsuo, to Matsushita Electric Industrial Co., Ltd. Method for producing magnetic recording medium. 4,861,619, 8-29-89, Cl. 427-48.000.

Satake, Tokuki; Sakai, Hiroshi; Nakatani, Hayami; Nakamori, Masaharu; and Ishibashi, Masaru, to Mitsubishi Jukogyo Kabushiki Kaisha. Solid electrolytic fuel cell and method for manufacturing same. 4,873,156, 10-10-89, Cl. 429-31.000.

Satake, Toshihiko, to Satake Engineering Co., Ltd. Measuring apparatus for amylose and/or amylopectin content in rice. 4,800,280, 1-3-89, Cl. 250-339.000.

Satake, Toshihiko, to Satake Engineering Co., Ltd. Apparatus for evaluating the quality of rice grain. 4,806,764, 2-21-89, Cl. 250-339.000.

Satake, Toshihiko, to Satake Engineering Co., Ltd. Rice grain humidifying apparatus. 4,829,891, 5-16-89, Cl. 99-471.000.

Satake, Toshihiko, to Satake Engineering Co., Ltd. Cereal-grain polishing apparatus. 4,829,893, 5-16-89, Cl. 99-603.000.

Satake, Toshihiko, to Satake Engineering Co., Ltd. Rice polishing machine of vertical shaft and frictional type. 4,843,957, 7-4-89, Cl. 99-519.000.

Satake, Toshihiko: *See*—
Nozaki, Hiroyoshi; Aida, Zenichi; Hara, Hirofumi; Satake, Toshihiko; Mitsuyoshi, Hiroshi; Arakawa, Masayasu; and Hatanaka, Koji, 4,822,647, Cl. 427-421.000.

Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat-sensitive recording material. 4,849,396, 7-18-89, Cl. 503-210.000.

Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat- and light-sensitive recording material. 4,853,361, 8-1-89, Cl. 503-201.000.

Satake, Toshimi; Fukuchi, Tadakazu; Minami, Toshiaki; Nagai, Tomoaki; Kaneko, Toshio; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat-sensitive recording sheet. 4,853,362, 8-1-89, Cl. 503-209.000.

Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat-sensitive recording material. 4,853,363, 8-1-89, Cl. 503-210.000.

Satake, Toshimi; Nagai, Tomoaki; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat-sensitive recording material. 4,861,749, 8-29-89, Cl. 503-211.000.

- Satake, Toshimi; Minami, Toshiaki; Nagai, Tomoaki; and Fujimura, Fumio, to Jujo Paper Co., Ltd. Heat-sensitive recording material. 4,868,151, 9-19-89, Cl. 503-209.000.
- Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Poly(arylene thioether-ketone) compositions improved in both melt stability and crystallinity. 4,826,906, 5-2-89, Cl. 524-381.000.
- Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Molded or formed poly(arylene thioether-ketone) articles. 4,873,283, 10-10-89, Cl. 524-520.000.
- Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, to Kureha Kagaku Kogyo Kabushiki Kaisha. Melt-stable poly(arylene thioetherketone) and production process thereof. 4,886,871, 12-12-89, Cl. 528-226.000.
- Satake, Yoshikatsu: *See—*
  - Ichikawa, Yukio; Kaneko, Takashi; Satake, Yoshikatsu; and Katto, Takayuki, 4,837,294, Cl. 528-388.000.
- Satalich, Timothy A.: *See—*
  - Davidson, Wayne A.; Ernst, John P.; Herkes, Marybeth; Kuppuswami, Ram; Satalich, Timothy A.; and Stanaway, John J., Jr., 4,873,717, Cl. 379-157.000.
- Satamatic: *See—*
  - Khalek, Salim, 4,811,005, Cl. 340-715.000.
- Satani, Masuo: *See—*
  - Manabe, Sei-ichi; and Satani, Masuo, 4,808,315, Cl. 210-645.000.
  - Manabe, Sei-ichi; and Satani, Masuo, 4,857,196, Cl. 210-500.300.
- Satchell, Donald P.: *See—*
  - Hamilton, Gary L.; Rhoe, Andrei; and Satchell, Donald P., 4,795,551, Cl. 208-309.000.
- Satchell, Donald P., Jr.: *See—*
  - Ramachandran, Ramakrishnan; MacLean, Donald L.; and Satchell, Donald P., Jr., 4,849,537, Cl. 558-319.000.
  - Ramachandran, Ramakrishnan; MacLean, Donald L.; and Satchell, Donald P., Jr., 4,849,538, Cl. 558-319.000.
  - Ramachandran, Ramakrishnan; Malik, Virginia A.; MacLean, Donald L.; and Satchell, Donald P., Jr., 4,870,201, Cl. 558-319.000.
- Satchell, Ronald N., to Onteam Limited. Metal framed wall structure. 4,809,476, 3-7-89, Cl. 52-241.000.
- SATELEC: *See—*
  - Dieras, Francis; Soulie, Alain; Larrieu, Jean-Louis; and Escanecrabe, Bernard, 4,804,364, Cl. 604-22.000.
- Satellite Financial Systems Corporation: *See—*
  - Laurance, Joel E.; and Stewart, Walter M., 4,860,352, Cl. 380-23.000.
- Satellite Transmission Systems: *See—*
  - Naumann, Gerhard R., 4,816,770, Cl. 329-122.000.
- Satex Oil Corporation (Pty) Ltd.: *See—*
  - Shaw, Gordon K., 4,848,889, Cl. 351-51.000.
- Satho, Thoru: *See—*
  - Sakurai, Mikio; Hayashi, Tsutomu; Izumi, Masayuki; Sasaki, Hiroshi; Satho, Thoru; and Owada, Kazuo, 4,806,277, Cl. 252-626.000.
- Satis Vacuum AG: *See—*
  - Ciparisso, Delio, 4,817,559, Cl. 118-731.000.
- Sato, Akihiko, to Hitachi Maxell, Ltd. Arrangement for preventing deformation in a tape cartridge. 4,831,482, 5-16-89, Cl. 360-132.000.
- Sato, Akihiro; Yamada, Mitsuho; and Isshiki, Shigehiro, to Asahimori Kogyo Kabushiki Kaisha. Toothed belt. 4,826,472, 5-2-89, Cl. 474-202.000.
- Sato, Akihiro; and Yamaguchi, Hidehiko, to Tomy Kogyo Co., Inc. Animated toy. 4,850,930, 7-25-89, Cl. 446-175.000.
- Sato, Akimune: *See—*
  - Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
- Sato, Akira; Sekizuka, Yasuo; and Saito, Satoshi, to Meiji Seika Kaisha Ltd. Process for preventing staling of starch-containing composition. 4,857,346, 8-15-89, Cl. 426-321.000.
- Sato, Akira: *See—*
  - Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.
  - Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.
  - Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.
  - Murakata, Chikara; Sato, Akira; Kasai, Masaji; Kobayashi, Eiji; Morimoto, Makoto; and Akinaga, Shiro, 4,877,776, Cl. 514-43.000.
  - Numazawa, Akio; Sato, Akira; and Ushijima, Fumihiro, 4,860,607, Cl. 74-330.000.
  - Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, 4,804,445, Cl. 204-39.000.
  - Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,822,882, Cl. 544-342.000.
  - Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.
  - Shimizu, Makoto; and Sato, Akira, 4,829,393, Cl. 360-71.000.
- Sato, Atsuo: *See—*
  - Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.
- Sato, Atsushi; Endo, Keiji; Kawakami, Shigenobu; Matsuzaka, Eiichi; and Narui, Satoshi, to Nippon Petrochemicals Company, Limited. Polymer composition. 4,803,238, 2-7-89, Cl. 524-486.000.
- Sato, Atsushi; Kawakami, Shigenobu; Endo, Keiji; and Dohi, Hideyuki, to Nippon Petrochemicals Co., Ltd. Oil-filled capacitor. 4,870,221, 9-26-89, Cl. 585-6.300.
- Sato, Atsushi: *See—*
  - Kawakami, Shigenobu; Endo, Keiji; Dohi, Hideyuki; and Sato, Atsushi, 4,802,058, Cl. 361-315.000.
  - Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.
  - Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.
- Sato, Chikara; Nakayama, Tadayoshi; Takahashi, Koji; and Saotome, Tomohiko, to Canon Kabushiki Kaisha. Information signal transmission system. 4,797,741, 1-10-89, Cl. 358-138.000.
- Sato, Chikara: *See—*
  - Edakubo, Hiroo; Sato, Chikara; Kozuki, Susumu; and Yoshimura, Katsuji, 4,870,510, Cl. 360-27.000.
  - Naito, Shinji; Tsuchita, Kenji; Ichikawa, Yoshiaki; Sato, Chikara; and Kajiyama, Shigeru, 4,828,059, Cl. 180-119.000.
  - Yoshimura, Katsuji; Masui, Toshiyuki; Sato, Chikara; and Nakayama, Tadayoshi, 4,849,833, Cl. 360-36.200.
  - Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, 4,864,430, Cl. 360-10.200.
  - Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; and Sato, Chikara, 4,873,587, Cl. 360-9.100.
  - Yoshimura, Katsuji; Nakayama, Tadayoshi; Ishikawa, Hisashi; and Sato, Chikara, 4,882,615, Cl. 358-31.000.
- Sato, Daiki: *See—*
  - Goi, Kouichi; Emori, Hiroshi; and Sato, Daiki, 4,841,144, Cl. 250-239.000.
- Sato, Eiichi: *See—*
  - Watanabe, Yoshitaka; Sakurada, Nobuaki; Aoki, Makoto; and Sato, Eiichi, 4,860,034, Cl. 346-140.00R.
  - Yamada, Hiroaki; and Sato, Eiichi, 4,814,660, Cl. 310-328.000.
- Sato, Fumie, to Nissan Chemical Industries, Ltd. 4-Substituted-1,2,3,6-tetrahydrophthalic acid anhydride. 4,837,339, 6-6-89, Cl. 549-21[illegible]
- Sato, Fumihide: *See—*
  - Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomoda, Toshimasa; Sato, Fumihide; and Kusano, Kenji, 4,841,489, Cl. 367-7.000.
- Sato, Fumihiro: *See—*
  - Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
  - Umezawa, Hamao; Suzuki, Shintaro; Ohkuma, Taka'aki; Sato, Fumihiro; and Nakamura, Teruya, 4,876,244, Cl. 514-19.000.
- Sato, Fuminori: *See—*
  - Uno, Hitoshi; Kurokawa, Mikio; Sato, Fuminori; Naruto, Shunsuke; and Masuda, Yoshinobu, 4,889,858, Cl. 514-254.000.
- Sato, Fumio: *See—*
  - Kurokawa, Satoshi; Tayama, Suehiro; and Sato, Fumio, 4,876,30[illegible], Cl. 524-423.000.
- Sato, Fumitaka, to Kabushiki Kaisha Toshiba. Binary data compression and expansion processing apparatus. 4,800,441, 1-24-89, Cl. 358-261.100.
- Sato, Haruki: *See—*
  - Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-84.000.
- Sato, Haruo: *See—*
  - Ikeuchi, Hisaaki; Madokoro, Manabu; Sato, Haruo; and Jodoi, Takashi, 4,885,123, Cl. 376-233.000.
- Sato, Hatsuo: *See—*
  - Adachi, Ikuo; Yamamori, Teruo; Ueda, Motohiko; and Sato, Hatsuo, 4,873,334, Cl. 514-303.000.
- Sato, Heikichi: *See—*
  - Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, 4,819,113, Cl. 360-126.000.
- Sato, Hideaki: *See—*
  - Kurata, Yukio; Sato, Hideaki; Nakata, Yasuo; Ogata, Nobuo; and Inoue, Teruaki, 4,849,825, Cl. 358-296.000.
- Sato, Hideki; Komatsu, Teruo; and Sugiura, Yoshinori, to Canon Kabushiki Kaisha. Light scanning device for scanning with a laser beam and an image forming apparatus for forming an image with a laser beam. 4,800,401, 1-24-89, Cl. 346-108.000.
- Sato, Hideki; Koizumi, Haruyuki; Hashizume, Shinichi; and Omae, Koichi, to Omron Tateisi Electronics Co. Coordinate inputting sheet with auxiliary electrodes promoting accuracy of positional detection. 4,801,767, 1-31-89, Cl. 178-18.000.
- Sato, Hideki, to Kabushiki Kaisha Toshiba. Stereo X-ray fluorography apparatus. 4,819,255, 4-4-89, Cl. 378-42.000.
- Sato, Hideki; and Mizunoya, Nobuyuki, to Kabushiki Kaisha Toshiba. Composite alumina-aluminum nitride circuit substrate. 4,835,06[illegible], 5-30-89, Cl. 428-622.000.
- Sato, Hideki; and Mizunoya, Nobuyuki, to Kabushiki Kaisha Toshiba. Aluminum nitride circuit substrate. 4,873,151, 10-10-89, Cl. 428-627.000.

- Sato, Hideki; Mizunoya, Nobuyuki; Asai, Hironori; Anzai, Kazuo; and Hatano, Tsuyoshi, to Kabushiki Kaisha Toshiba. Circuit substrate comprising nitride type ceramics, method for preparing it, and metallizing composition for use in it. 4,883,704, 11-28-89, Cl. 428-209.000.
- Sato, Hideki: *See—*
  - Fukuda, Takashi; Saito, Kiyoshi; Suzuki, Satoru; Sato, Hideki; and Hirota, Toshio, 4,851,601, Cl. 585-241.000.
  - Koizumi, Haruyuki; Sato, Hideki; Hashizume, Shinichi; and Omae, Koichi, 4,819,194, Cl. 364-556.000.
- Sato, Hideo: *See—*
  - Horie, Seiji; Makino, Naonori; and Sato, Hideo, 4,814,245, Cl. 430-59.000.
  - Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.
  - Yokoya, Hiroaki; Sano, Kenji; Tachikawa, Hiromichi; and Sato, Hideo, 4,800,146, Cl. 430-73.000.
- Sato, Hiroaki, to Canon Kabushiki Kaisha. Image processing apparatus for logarithmically converting an image input signal into a density signal and standardizing the input range of the image input signal with the same conversion table. 4,864,392, 9-5-89, Cl. 358-80.000.
- Sato, Hiroaki: *See—*
  - Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
  - Toyofuku, Kunitaka; Sato, Hiroaki; and Michikawa, Kohei, 4,879,195, Cl. 430-89.000.
  - Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, 4,885,681, Cl. 364-200.000.
- Sato, Hirochika; Nakayama, Haruo; Uchiyama, Takeshi; Hagami, Yoshihisa; and Sato, Yoshiro, to Seiko Instruments Inc. Single transmission line bidirectional optical communication system. 4,825,113, 4-25-89, Cl. 370-2.000.
- Sato, Hirohide: *See—*
  - Maruyama, Toshinori; Sato, Hirohide; and Matsuhashi, Toshiaki, 4,862,055, Cl. 322-8.000.
- Sato, Hirokazu; Goto, Yasuhiro; Horiuchi, Kazufumi; Michibayashi, Yasuo; Nobutsugu, Hideo; and Kawamura, Takumi, to Ishida Scales Mfg. Co., Ltd. Manual combinatorial weighing apparatus. 4,838,368, 6-13-89, Cl. 177-25.180.
- Sato, Hirokazu: *See—*
  - Hirabayashi, Shigeto; and Sato, Hirokazu, 4,882,267, Cl. 430-546.000.
- Sato, Hiroko: *See—*
  - Yoshikawa, Akira; and Sato, Hiroko, 4,824,780, Cl. 435-133.000.
- Sato, Hiromitsu; Kubota, Shinichi; Totsune, Atsushi; and Asakura, Masahiko, to Honda Giken Kogyo Kabushiki Kaisha. Device for detecting current flowing in an electric wire. 4,882,538, 11-21-89, Cl. 324-127.000.
- Sato, Hiromitsu: *See—*
  - Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, 4,803,898, Cl. 74-860.000.
- Sato, Hironobu, to Sanyo Electric Co., Ltd. DC brushless motor with three teeth and two windings. 4,855,629, 8-8-89, Cl. 310-49.00R.
- Sato, Hironobu: *See—*
  - Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, 4,858,171, Cl. 364-900.000.
  - Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, 4,877,876, Cl. 544-133.000.
- Sato, Hiroo: *See—*
  - Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, 4,814,227, Cl. 428-353.000.
- Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, to Hitachi, Ltd. Apparatus for winding coil on toroidal core. 4,872,618, 10-10-89, Cl. 242-4.00R.
- Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, to Canon Kabushiki Kaisha. Transfer method for heat-sensitive transfer recording. 4,880,324, 11-14-89, Cl. 400-241.000.
- Sato, Hiroshi: *See—*
  - Fukuda, Tsuguhiro; Sato, Hiroshi; and Nakajima, Kazuhiro, 4,883,379, Cl. 400-697.100.
  - Honda, Hideyuki; Kawasaki, Koichi; and Sato, Hiroshi, 4,856,330, Cl. 73-204.250.
  - Kushibe, Yuki; and Sato, Hiroshi, 4,874,309, Cl. 425-589.000.
  - Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.
- Sato, Hiroyuki; and Shimoyama, Yujiro, to Alps Electric Co., Ltd. Switch having dust-proof cover. 4,843,195, 6-27-89, Cl. 200-302.300.
- Sato, Hiroyuki; and Tajima, Akio, to Seikosha Co., Ltd. Device for cooling a carriage motor and printhead in a serial printer. 4,859,101, 8-22-89, Cl. 400-719.000.
- Sato, Hiroyuki, to Seikosha Co., Ltd. Ink ribbon cassette with slidable ribbon guide. 4,875,789, 10-24-89, Cl. 400-196.100.
- Sato, Hiroyuki: *See—*
  - Sawaya, Hajime; Fukuda, Yoshinobu; and Sato, Hiroyuki, 4,802,167, Cl. 371-25.000.
- Sato, Hisao. Stapler. 4,811,884, 3-14-89, Cl. 227-83.000.
- Sato, Hisao: *See—*
  - Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.
- Sato, Hisashi: *See—*
  - Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.
- Sato, Hisasi: *See—*
  - Kubozoe, Morioki; and Sato, Hisasi, 4,806,767, Cl. 250-396.0ML.
- Sato, Hisatake: *See—*
  - Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.
  - Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl. 162-158.000.
  - Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl. 252-312.000.
- Sato, Hisato: *See—*
  - Takatsu, Haruyoshi; Sasaki, Makoto; Tanaka, Yasuyuki; and Sato, Hisato, 4,820,878, Cl. 568-659.000.
- Sato, Hisatomo: *See—*
  - Kawaski, Shoji; Sato, Hisatomo; Shin, Masaaki; and Yamamoto, Takashi, 4,849,316, Cl. 435-106.600.
  - Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.
- Sato, Hitoshi, to Tanita Corporation. Capacitance type weight sensor. 4,846,294, 7-11-89, Cl. 177-210.00C.
- Sato, Ichitaro, to Sony Corporation. Frequency modulating circuit for video tape recorder. 4,839,615, 6-13-89, Cl. 332-18.000.
- Sato, Ichitaro: *See—*
  - Nakata, Tetsuro; Sato, Ichitaro; and Eto, Tooru, 4,885,639, Cl. 358-167.000.
- Sato, Isamu; Ishida, Masato; Abe, Eiichi; and Takeda, Hiroaki, to Canon Kabushiki Kaisha. Image recording apparatus having plural light sources, and having arbitrarity combinable functions. 4,855,767, 8-8-89, Cl. 346-160.000.
- Sato, Isao; Miyake, Nobuhiko; and Nishida, Souji, to Nippon Seiko Kabushiki Kaisha. Bearing device assembly. 4,874,259, 10-17-89, Cl. 384-445.000.
- Sato, Isao: *See—*
  - Mizutani, Hideo; Sato, Isao; and Shibuya, Masato, 4,864,123, Cl. 250-225.000.
  - Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, Cl. 365-230.000.
  - Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, Cl. 365-189.090.
- Sato, Jiro; and Yoshida, Kenitsu, to Fujiwa Kiko Kabushiki Kaisha. Side-pouring apparatus. 4,834,272, 5-30-89, Cl. 222-604.000.
- Sato, Jun, to Shimano Industrial Company Limited. Fishing reel having improved cover and seal structure drag mechanism. 4,852,826, 8-1-89, Cl. 242-270.000.
- Sato, Jun; Matsuzaki, Katsumi; and Matsukura, Yoshiharu, to Takeda Chemical Industries, Ltd. Solubilized composition of poorly-soluble pharmaceutical product. 4,866,044, 9-12-89, Cl. 514-77.000.
- Sato, Jun, to Shimano Industrial Company Limited. Speed changing device for a fishing reel. 4,867,392, 9-19-89, Cl. 242-255.000.
- Sato, Jun: *See—*
  - Myojo, Seiji; and Sato, Jun, 4,871,126, Cl. 242-84.10R.
  - Yasuda, Tomio; Sato, Jun; and Ohashi, Masao, 4,796,013, Cl. 340-562.000.
- Sato, Junichi, to Canon Kabushiki Kaisha. Method for controlling mode of information signal reproducing apparatus. 4,882,641, 11-21-89, Cl. 360-77.140.
- Sato, Junji: *See—*
  - Nishimura, Naruto; and Sato, Junji, 4,796,088, Cl. 358-167.000.
- Sato, Kaoru: *See—*
  - Inuyama, Toshihiko; Kimizuka, Junichi; Kusano, Akihisa; Sato, Kaoru; and Soya, Takashi, 4,890,288, Cl. 372-31.000.
- Sato, Katsuaki: *See—*
  - Serikawa, Mitsuhiko; Usuki, Sawako; and Sato, Katsuaki, 4,868,357, Cl. 219-10.55B.
- Sato, Katsuhiko: *See—*
  - Ito, Toshikazu; Suemune, Toshiro; and Sato, Katsuhiko, 4,884,162, Cl. 361-23.000.
- Sato, Katsuhiro: *See—*
  - Akasaki, Yutaka; Sato, Katsuhiro; Tokita, Akihiko; and Suto, Hidemi, 4,833,054, Cl. 430-59.000.
  - Akasaki, Yutaka; Sato, Katsuhiro; Tanaka, Hiroyuki; Nukada, Katsumi; and Sudo, Hidemi, 4,833,263, Cl. 558-384.000.
- Sato, Katsuji; Takenaka, Hiroo; and Kiriyama, Katsumi, to NEC Corporation. Apparatus of controlling a laser device. 4,829,530, 5-9-89, Cl. 372-9.000.
- Sato, Katsuyuki; Kawamoto, Hiroshi; and Yanagisawa, Kazumasa, to Hitachi, Ltd. Selective application of voltages for testing storage cells in semiconductor memory arrangements. 4,839,865, 6-13-89, Cl. 365-201.000.
- Sato, Katsuyuki: *See—*
  - Kobayashi, Sadao; Ishihara, Yuji; Sato, Katsuyuki; and Ijichi, Kouichi, 4,876,141, Cl. 428-217.000.
  - Shimizu, Shinji; Tsuchiya, Osamu; and Sato, Katsuyuki, 4,873,559, Cl. 357-23.600.
- Sato, Kazuaki: *See—*
  - Tsutsumi, Sadao; and Sato, Kazuaki, 4,869,658, Cl. 418-55.000.

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Sato, Kazuchika; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Still camera system usable for both film and electrophotography. 4,831,450, 5-16-89, Cl. 358-209.000.

Sato, Kazuchika: *See—*

Saito, Mitsuru; and Sato, Kazuchika, 4,860,108, Cl. 358-209.000.

Sato, Kazuhiko; Nishiura, Junji; and Takahashi, Keiichi, to Advantest Corporation. High speed circuit testing apparatus having plural test conditions. 4,862,071, 8-29-89, Cl. 324-73.00R.

Sato, Kazuhiko: *See—*

Ohmi, Tadahiro; Kanno, Yohichi; Uchisawa, Osamu; and Sato, Kazuhiko, 4,828,219, Cl. 251-118.000.

Ota, Hiroyuki; and Sato, Kazuhiko, 4,815,197, Cl. 29-603.000.

Yamana, Tohru; Nakayama, Kiyoshi; and Sato, Kazuhiko, 4,798,967, Cl. 307-10.00R.

Sato, Kazuhiro, to Sumitomo Electric Industries, Ltd. Coaxial cable. 4,847,448, 7-11-89, Cl. 174-103.000.

Sato, Kazuhiro: *See—*

Mimura, Itaru; Sato, Kazuhiro; Akiyama. Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.

Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, 4,866,612, Cl. 364-413.220.

Sato, Kazuhito, to Toshiba Kikai Kabushiki Kaisha. Method for injection compression molding. 4,855,095, 8-8-89, Cl. 264-40.500.

Sato, Kazuhito, to Toshiba Kikai Kabushiki Kaisha. Apparatus for operating an injection compression molding machine. 4,889,478, 12-26-89, Cl. 425-149.000.

Sato, Kazuo; Kinoto, Takao; Mio, Shigeru; and Yanai, Toshiaki, to Sankyo Company, Limited. Process for preparing 13-hydroxy-5-ketomibemycin derivatives having acaricidal, insecticidal and anthelmintic activity. 4,835,290, 5-30-89, Cl. 549-264.000.

Sato, Kazuo, to Alps Electric Co. Ltd. Automobile remote-control system. 4,835,531, 5-30-89, Cl. 340-825.690.

Sato, Kazuo; Yamasaki, Noritsugu; and Takase, Ichirou, to Daicel Chemical Industries, Ltd. Process for the preparation of α-hdroxyketones. 4,845,301, 7-4-89, Cl. 568-310.000.

Sato, Kazuo, to Alps Electric Co., Ltd. Remote control apparatus providing leader pulse followed by data pulses. 4,857,917, 8-15-89, Cl. 340-825.570.

Sato, Kazuo: *See—*

Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.

Sato, Kazutaka; Watanabe, Michihiro; Zen, Munetoshi; Obata, Shigeru; Atoh, Kazuhiko; and Kamachi, Katsuhiko, to Hitachi, Ltd. Thick film type thermal head. 4,835,550, 5-30-89, Cl. 346-76.0PH.

Sato, Kazutoshi: *See—*

Okazaki, Masaki; Sato, Kazutoshi; and Fujimoto, Hiroaki, 4,829,940, Cl. 123-41.390.

Sato, Kazuyuki, to Kabushiki Kaisha Toshiba. Monolithic semi-custom IC having standard LSI sections and coupling gate array sections. 4,858,175, 8-15-89, Cl. 364-900.000.

Sato, Kazuyuki: *See—*

Kinoshita, Tsuneo; and Sato, Kazuyuki, 4,839,820, Cl. 364-491.000.

Sato, Kei; and Murayama, Noboru, to Ricoh Company, Ltd. Direct memory access device for multidimensional data transfers. 4,797,809, 1-10-89, Cl. 364-200.000.

Sato, Keiichi: *See—*

Watanabe, Kikuo; Kobayashi, Mitsuo; Hirose, Noboru; and Sato, Keiichi, 4,813,122, Cl. 29-568.000.

Sato, Keiji, to Fuji Jukogyo Kabushiki Kaisha. Continuously variable transmission. 4,820,242, 4-11-89, Cl. 474-8.000.

Sato, Keiji: *See—*

Fukuda, Bunjiro; Sugiyama, Toshitomo; Sato, Keiji; and Honda, Atsuhito, 4,846,448, Cl. 266-103.000.

Sato, Keishi: *See—*

Kotani, Motoharu; Ishikawa, Shinzo; and Sato, Keishi, 4,808,466, Cl. 428-254.000.

Sato, Kenichi; and Shibuta, Nobuhiro, to Sumitomo Electric Industries, Ltd. Superconducting dipole electromagnets and process for producing the same. 4,814,731, 3-21-89, Cl. 335-216.000.

Sato, Kenichi: *See—*

Nagai, Tadao; and Sato, Kenichi, 4,797,870, Cl. 369-100.000.

Yamaguchi, Hirohisa; and Sato, Kenichi, 4,805,164, Cl. 369-58.000.

Sato, Kenichiro, to Sanden Corporation. Method and apparatus for controlling an automotive air conditioning system. 4,796,438, 1-10-89, Cl. 62-133.000.

Sato, Kenji, to Toyoda Gosei Co., Ltd. Method for manufacturing a steering wheel. 4,838,976, 6-13-89, Cl. 156-245.000.

Sato, Kenji: *See—*

Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.

Ishizaka, Yoshirou; Naganuma, Hiroshi; Sato, Kenji; Kishi, Yuji; Ishida, Yoshihisa; and Goto, Kiyokazu, 4,872,320, Cl. 62-255.000.

Watanabe, Toshimitsu; and Sato, Kenji, 4,810,939, Cl. 315-371.000.

Sato, Kensaku, to Hirose Electric Co., Ltd. Electrical contact. 4,840,578, 6-20-89, Cl. 439-395.000.

Sato, Kensaku; and Sakabe, Shigetomo, to Hirose Electric Co., Ltd. Method for connecting terminal. 4,847,992, 7-18-89, Cl. 29-863.000.

Sato, Kensaku, to Hirose Electric Co., Ltd. Electrical connector. 4,863,400, 9-5-89, Cl. 439-595.000.

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Sato, Kimiaki; and Khono, Tool, to Fujitsu Limited. Semiconductor memory device having sense amplifiers with delayed and stopped drive times. 4,839,868, 6-13-89, Cl. 365-230.060.

Sato, Kimiaki: *See—*

Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.

Sato, Kimiharu: *See—*

Hayashi, Minoru; Kobari, Koichi; Sato, Kimiharu; and Kishimoto, Junichi, 4,833,996, Cl. 102-530.000.

Sato, Kimiteru; and Ito, Haruyuki, to Toto Ltd. Casting installation. 4,798,525, 1-17-89, Cl. 425-84.000.

Sato, Kimiteru; and Ito, Haruyuki, to Toto Ltd. Casting process. 4,832,890, 5-23-89, Cl. 264-87.000.

Sato, Kiyoshi; Morimoto, Yasunori; Sugibayashi, Kenji; and Ueno, Masao, to Nisshin Flour Milling Co., Ltd. Nicorandil containing external preparations. 4,832,954, 5-23-89, Cl. 424-449.000.

Sato, Kiyoshi: *See—*

Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.

Sato, Kiyosumi; Mizushima, Yoshihiro; Ohnishi, Katsumi; Kato, Motokazu; and Matsumoto, Toshio, to Fujitsu Limited. System for directly and indirectly accessing control registers by different operating systems based upon value of operating system indication bit. 4,835,677, 5-30-89, Cl. 364-200.000.

Sato, Kiyotaka: *See—*

Sugai, Kazuyoshi; Sato, Kiyotaka; and Nishizato, Hiroshi, 4,879,487, Cl. 310-313.00A.

Tamada, Kazukiyo; Horio, Motohiko; and Sato, Kiyotaka, 4,806,964, Cl. 354-452.000.

Sato Kogyo Kabushuki Kaisha: *See—*

Yamamoto, Minoru; and Kiritani, Yoshiharu, 4,813,813, Cl. 405-146.000.

Sato, Koichi; and Sawa, Tsutomu, to International Business Machines. Bill handling apparatus having right and left bill-shifting mechanisms. 4,889,240, 12-26-89, Cl. 209-534.000.

Sato, Koichi: *See—*

Oka, Yoshinobu; and Sato, Koichi, 4,874,931, Cl. 235-379.000.

Shiozaki, Atsushi; Komuro, Hirokazu; Sato, Koichi; and Masuda, Kazuaki, 4,860,033, Cl. 346-140.00R.

Sato, Koji; Kurakake, Masahiro; and Fujiwaki, Kazuo, to Sumitomo Electric Industries, Ltd. Optical character reader. 4,797,940, 1-10-89, Cl. 382-9.000.

Sato, Koji: *See—*

Kawano, Hikaru; and Sato, Koji, 4,817,804, Cl. 209-534.000.

Kodama, Toshikazu; and Sato, Koji, 4,866,325, Cl. 310-313.00B.

Matsui, Mizuo; Ohtomo, Fumio; Sato, Koji; and Takahashi, Yoshihiro, 4,820,264, Cl. 604-21.000.

Yamaguchi, Mikio; and Sato, Koji, 4,817,185, Cl. 382-59.000.

Sato, Koki; and Mori, Shinji, to Kabushiki Kaisha Tokai-Rika Denki-Seisakusho. Seat belt system. 4,869,439, 9-26-89, Cl. 242-107.40R.

Sato, Koki, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Gas bag. 4,887,842, 12-19-89, Cl. 280-730.000.

Sato, Kouki; Matsuyama, Junya; and Nishiyama, Noboru, to Kawasaki Steel Corp. Covered arc-welding electrode. 4,803,340, 2-7-89, Cl. 219-146.100.

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaki; and Kato, Masatoshi, to Fuji Photo Film Co., Ltd. Method for forming an image. 4,824,759, 4-25-89, Cl. 430-203.000.

Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, to Fuji Photo Film Co., Ltd. Color light-sensitive material. 4,830,957, 5-16-89, Cl. 430-562.000.

Sato, Kozo; Ishikawa, Shunichi; and Kawata, Ken, to Fuji Photo Film Co., Ltd. Process for formation of base and light-sensitive material. 4,835,272, 5-30-89, Cl. 544-158.000.

Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, to Fuji Photo Film Co., Ltd. Color light-sensitive material. 4,837,142, 6-6-89, Cl. 430-562.000.

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaki; and Kato, Masatoshi, to Fuji Photo Film, Co., Ltd. Image-forming process involving heating step. 4,845,018, 7-4-89, Cl. 430-203.000.

Sato, Kozo; and Harada, Toru, to Fuji Photo Film Co., Ltd. Leuco dyes. 4,864,024, 9-5-89. Cl. 544-35.000.

Sato, Kozo; Ohno, Shigeru; and Yamada, Sumito, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,877,720, 10-31-89, Cl. 430-512.000.

Sato, Kozo; and Nakamura, Yoshisada, to Fuji Photo Film Co., Ltd. Silver halide light-sensitive material. 4,880,730, 11-14-89, Cl. 430-520.000.

Sato, Kozo: *See—*

Harada, Toru; and Sato, Kozo, 4,800,148, Cl. 430-138.000.

Harada, Toru; and Sato, Kozo, 4,803,148, Cl. 430-138.000.

Harada, Toru; Saito, Naoki; and Sato, Kozo, 4,839,333, Cl. 503-218.000.

Sato, Kuniaki: *See—*

Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.

Sato, Kunihiro: *See—*

Maeda, Tsutomu; Matsui, Kiyoshi; Kanno, Takayuki; and Sato, Kunihiro, 4,841,944, Cl. 123-647.000.

Sato, Kuniyoshi: *See—*

Noda, Hajime; Sato, Kuniyoshi; and Sotani, Junji, 4,875,522, Cl. 165-104.140.

Sato, Maki: *See—*

Fujimoto, Kenichi; Sato, Maki; and Sugiura, Tsutomu, 4,795,591, Cl. 252-506.000.

Sato, Makoto, to Olympus Optical Co., Ltd. Light quantity measuring system. 4,843,419, 6-27-89, Cl. 354-426.000.

Sato, Makoto; and Uehara, Toshio, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,860,221, 8-22-89, Cl. 364-522.000.

Sato, Makoto, to Honda Giken Kogyo Kabushiki Kaisha. Method and apparatus for anti-lock braking in a four wheel drive vehicle. 4,865,396, 9-12-89, Cl. 303-110.000.

Sato, Makoto; Shiraishi, Shuji; and Muto, Tetsuji, to Honda Giken Kogyo Kabushiki Kaisha. Traction control system for controliing slip of a driving wheel of a vehicle. 4,873,639, 10-10-89, Cl. 364-426.020.

Sato, Makoto: *See—*

Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, 4,832,145, Cl. 180-233.000.

Fujii, Etsuo; Sato, Makoto; and Hirai, Seiichi, 4,871,043, Cl. 180-248.000.

Umeda, Osamu; Nakakusu, Tohru; Sato, Makoto; and Shimazaki, Tatsuo, 4,875,064, Cl. 353-78.000.

Sato, Mamoru: *See—*

Suzuki, Yoshiyuki; Funada, Masahiro; Sato, Mamoru; and Sato, Yukio, 4,797,945, Cl. 382-56.000.

Urushizaki, Sueo; Ohta, Yasuo; Sato, Mamoru; Sakai: Fukumi; and Nishiyama, Koushi, 4,877,720, Cl. 435-132.000.

Sato, Manabu. Automatic button sewing machine for stitching buttons in series on a fabric. 4,807,547, 2-28-89, Cl. 112-112.000.

Sato, Masaaki: *See—*

Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, 4,877,852, Cl. 526-256.000.

Sato, Masaei; and Hosoya. Yukiteru, to Mitsuba Electric Manufacturing Co., Ltd. Brush holding device. 4,855,631, 8-8-89, Cl. 310-239.000.

Sato, Masaharu: *See—*

Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, 4,848,790, Cl. 280-707.000.

Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe. Akio; and Yamazaki, Shunpei, to Semiconductor Energy Laboratory Co., Ltd. Method for manufacturing liquid crystal device with spacers formed by photolithography. 4,874,461, 10-17-89, Cl. 156-633.000.

Sato, Masahiko: *See—*

Yamazaki, Shunpei; Sato, Masahiko; and Sakayori, Hiroyuki, 4,850,680, Cl. 350-340.000.

Yokoyama, Taishi; Takahashi, Isao; and Sato, Masahiko, 4,817,546, Cl. 112-262.100.

Sato, Masahito: *See—*

Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu; Sugeta, Tsutomu; and Nakazawa, Noriaki, 4,857,329, Cl. 424-195.100.

Sato, Masakazu; Ban, Keisuke; Fujito, Bakugo; and Konishi, Michio, to Honda Giken Kogyo Kabushiki Kaisha; and Kabushiki Kaisha Teisan Industries. Secondary pressurization casting method. 4,846,252, 7-11-89, Cl. 164-120.000.

Sato, Masakazu: *See—*

Ban, Keisuke; Sato, Masakazu; Fujito, Bakugo; and Kikuchi, Kousuke, 4,884,621, Cl. 164-4.100.

Isoi, Toshihiro; Sato, Masakazu; and Takahashi, Shuji, 4,833,047, Cl. 429-72.000.

Sato, Masaki, to Kabushiki Kaisha Toshiba. Floating gate type semiconductor memory device. 4,835,740, 5-30-89, Cl. 365-185.000.

Sato, Masaki: *See—*

Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, 4,825,271, Cl. 357-23.500.

Sato, Masanobu: *See—*

Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.

Takeuchi, Giichi; Sato, Masanobu; and Miyairi, Hidesuke, 4,805,058, Cl. 360-119.000.

Sato, Masaru, to Toyo Piano Mfg. Co., Ltd. Apparatus for adjusting height of piano pedal. 4,843,939, 7-4-89, Cl. 84-230.000.

Sato, Masaru: *See—*

Tsukane, Nagayoshi; and Sato, Masaru, 4,831,608, Cl. 369-14.000.

Sato, Masashi: *See—*

Fukuma, Hiroyuki; and Sato, Masashi, 4,799,089, Cl. 357-45.000.

Sato, Masataro. Caliper brake. 4,805,742, 2-21-89, Cl. 188-24.110.

Sato, Masato; Nakamizo, Keiichi; and Mitadera, Takashi, to Kawasaki Jukogyo Kabushiki Kaisha. Structure of cam shaft for engine. 4,805,565, 2-21-89, Cl. 123-90.600.

Sato, Masatoshi; Ogawara, Kensuke; and Emura, Noriaki, to Tosoh Corporation; and Hodogaya Chemical Co., Ltd. Polyphenylene sulfide resin composition useful for plating. 4,883,702, 11-28-89, Cl. 428-141.000.

Sato, Masatoshi: *See—*

Akasaka, Hideki; and Sato, Masatoshi, 4,853,912, Cl. 369-73.000.

Akasaka, Hideki; and Sato, Masatoshi, 4,855,975, Cl. 369-13.000.

Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.

Sato, Masayasu: *See—*

Matsumoto, Shinichi; Miyoshi, Naoto; and Sato, Masayasu, 4,808,564, Cl. 502-303.000.

Sato, Masayoshi: *See—*

Miyoshi, Masahiko; and Sato, Masayoshi, 4,838,164, Cl. 101-365.000.

Sato, Masayuki; and Ushiwata, Shigeharu, to Hitachi Koki Haramachi Co., Ltd. Desk-top circular saw. 4,869,142, 9-26-89, Cl. 83-467.100.

Sato, Michio; Kambara, Koji; and Nakajima, Yukio, to Olympus Optical Co., Ltd. Endoscope with an optical system. 4,841,952, 6-27-89. Cl. 128-6.000.

Sato, Minoru: *See—*

Kishida, Seiichiro; and Sato, Minoru, 4,814,264, Cl. 430-567.000.

Kishida, Seiichiro; and Sato, Minoru, 4,888,272, Cl. 430-569.000.

Takagi, Shiro; Sato, Minoru; and Izawa, Koji, 4,885,704, Cl. 364-521.000.

Sato, Mitsumasa: *See—*

Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.

Sato, Mitsuo: *See—*

Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.

Endo, Toshio; and Sato, Mitsuo, 4,887,168, Cl. 358-299.000.

Imanishi, Shozo; and Sato, Mitsuo, 4,800,777, Cl. 74-604.000.

Imanishi, Shozo; and Sato, Mitsuo, 4,817,456, Cl. 74-604.000.

Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, 4,852,148, Cl. 379-59.000.

Sato, Mitsuru: *See—*

Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.

Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,836,187, Cl. 128-4.000.

Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,844,052, Cl. 128-4.000.

Sato, Mitsuya, to Canon Kabushiki Kaisha. Wafer prober. 4,864,227, 9-5-89, Cl. 324-158.00F.

Sato, Mitsuya: *See—*

Abuku, Yuji; and Sato, Mitsuya, 4,870,288, Cl. 250-548.000.

Sato, Mitsuyoshi; Hiraiwa, Akihiko; and Kimura, Kaoru, to Toagosei Chemical Industry Co., Ltd. Fingerprint developer. 4,806,380, 2-21-89, Cl. 427-1.000.

Sato, Mitsuyoshi; Okamura, Takumi; and Kimura, Kaoru, to Toagosei Chemical Industry Co., Ltd. Cyanoacrylate compositions. 4,837,260, 6-6-89, Cl. 524-261.000.

Sato, Mitsuyoshi: *See—*

Hattori, Osamu; Yasaka, Anton; Nakagawa, Yoshitomo; Sato, Mitsuyoshi; and Sasaki, Sumio, 4,851,097, Cl. 204-192.330.

Kawauchi, Masataka; Sato, Mitsuyoshi; Innami, Tamio; and Katoh, Takeshi, 4,820,909, Cl. 235-379.000.

Sato, Morihiko: *See—*

Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, 4,804,726, Cl. 526-124.000.

Sato, Morio, to Honda Giken Kogyo Kabushiki Kaisha. Multiplex communication method. 4,807,231, 2-21-89, Cl. 371-55.000.

Sato, Morio: *See—*

Fujita, Haruyasu; Hirosawa, Yoshiaki; Hikichi, Koichi; Sato, Morio; Hirakata, Yoshiaki; and Ito, Toshifumi, 4,869,332, Cl. 180-65.200.

Hirosawa, Hiroaki; Ohta, Atsuo; and Sato, Morio, 4,827,148, Cl. 290-38.00R.

Sato, Moriyuki: *See—*

Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga; and Saito, Akiko, 4,849,359, Cl. 435-252.330.

Sato, Motoharu, to Sanden Corporation. Control device for use in a refrigeration circuit. 4,840,038, 6-20-89, Cl. 62-210.000.

Sato, Motoharu: *See—*

Inoue, Atsuo; and Sato, Motoharu, 4,843,834, Cl. 62-209.000.

Sato, Motoo: *See—*

Shirouzu, Tatsuji; Takahashi, Tatsuo; Sato, Motoo; and Mizuno, Satoshi, 4,862,313, Cl. 361-102.000.

Sato, Motoyuki: *See—*

Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.

Sato, Munetaka: *See—*

Shimura, Shiro; Iwase, Toshio; Sato, Munetaka; and Ozawa, Saburo, 4,816,158, Cl. 210-610.000.

Sato, Muneyoshi: *See—*

Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ide, Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, 4,825,233, Cl. 354-106.000.

Sato, Naoki; Kamo, Yoshihisa; Takeura, Tooru; Katsumata, Masao; and Momata, Kazuhiro, to Hitachi, Ltd. Magneto-resistive head for protecting against output spike noises. 4,802,043, 1-31-89, Cl. 360-113.000.

Sato, Naomi: *See—*

Saotome, Masaru; Ushijima, Takao; Noguchi, Takeshi; Sato, Naomi; and Nakao, Tsutomu, 4,858,899, Cl. 267-219.000.

Sato, Noboru: *See—*

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,795,753, Cl. 514-345.000.

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,798,838, Cl. 514-342.000.

Sato, Nobuhiro; Ueno, Haruyuki; Katsura, Yuji; and Hamamatu, Takashi, to Kurosaki Refractories Co., Ltd. Method for producing high-density silicon nitride sintered product. 4,832,888, 5-23-89, Cl. 264-63.000.

Sato, Nobuhiro: *See—*
Hamamatu, Takashi; Sato, Nobuhiro; and Ueno, Haruyuki, 4,832,771, Cl. 156-89.000.
Sato, Nobukatsu; Kuriyama, Haruo; and Agoh, Masanobu, to Maruishi Seiyaku Kabushiki Kaisha. 2-(4-pyridylaminomethyl)-benzimidazole derivatives having antiviral activity. 4,818,761, 4-4-89, Cl. 514-341.000.
Sato, Nobumasa: *See—*
Tanatani, Akira; Abiru, Yasumasa; Sato, Nobumasa; and Kobayashi, Kaoru, 4,845,141, Cl. 524-261.000.
Sato, Nobuo: *See—*
Kumazawa, Satoru; Ito, Atsushi; Sato, Nobuo; Saishoji, Toshihide; Hamada, Masahiro; Yamazaki, Shiro; and Enari, Hiroyuki, 4,863,505, Cl. 71-92.000.
Sato, Nobuyasu: *See—*
Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga; and Sato, Nobuyasu, 4,812,014, Cl. 350-96.290.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, to Toyo Seikan Kaisha Ltd. Butt-welded cans and process for manufacturing the same. 4,805,795, 2-21-89, Cl. 220-75.000.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhisa, to Toyo Seikan Kaisha Ltd. Butt-welded cans and process for manufacturing the same. 4,840,304, 6-20-89, Cl. 228-214.000.
Sato, Nobuyuki; Ujiie, Kazuaki; Terasawa, Masaaki; and Nabetani, Shinji, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Semiconductor integrated circuit device. 4,881,201, 11-14-89, Cl. 365-189.090.
Sato, Nobuyuki: *See—*
Kasahara, Nobuo; Sato, Nobuyuki; and Noguchi, Yukio, 4,866,478, Cl. 355-70.000.
Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teruuchi, Osamu; and Kurashima, Hideo, 4,883,937, Cl. 219-121.640.
Sato, Norio: *See—*
Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, 4,889,885, Cl. 524-445.000.
Sato, Noritada; and Seki, Yasukazu, to Fuji Electric Co., Ltd. Semiconductor device for detecting radiation. 4,835,587, 5-30-89, Cl. 357-29.000.
Sato, Ohikara: *See—*
Nagasawa, Kenichi; Takahashi, Koji; Yasumura, Hiroto; Sato, Ohikara; and Nakayama, Tadayoshi, 4,870,509, Cl. 360-9.100.
Sato, Onshiro, to Dai Nippon Ink and Chemicals Inc. Apparatus for cleaning a nozzle of an ink jet printer. 4,814,794, 3-21-89, Cl. 346-140.00R.
Sato, Osamu, to Nippon Thompson Co., Ltd. Linear motion rolling-contact bearing assembly having a locally reinforced guide wall. 4,832,510, 5-23-89, Cl. 384-44.000.
Sato, Osamu: *See—*
Kawasaki, Masahiro; and Sato, Osamu, 4,841,322, Cl. 354-400.000.
Kobayashi, Hiroshi; Yamamoto, Shuji; Sato, Osamu; and Nagahata, Kouji, 4,846,916, Cl. 156-274.600.
Sato Pharmaceutical Co., Ltd.: *See—*
Kitagaki, Kanshiro; Ebihara, Keiko; Morioka, Shigeo; Nakamura, Takao; and Okada, Taizo, 4,886,667, Cl. 424-195.100.
Sato, Robert N.; and Ramer, O. Glenn, to Hughes Aircraft Company. Optical data link. 4,810,978, 3-7-89, Cl. 332-7.510.
Sato, Robert N., to Hughes Aircraft Company. GaAs capacitive feedback transimpedance amplifier. 4,868,902, 9-19-89, Cl. 250-332.000.
Sato, Ryo: *See—*
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,877,444, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,885,024, Cl. 71-92.000.
Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,888,045, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,820,333, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,824,465, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,828,605, Cl. 71-90.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,149, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,150, Cl. 548-159.000.
Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,888,428, Cl. 548-165.000.
Nagano, Eiki; Haga, Toru; Sato, Ryo; and Morita, Kouichi, 4,880,925, Cl. 544-105.000.
Sato, Ryosuke, to Sony Corporation. Device for transferring semiconductor wafers. 4,801,168, 1-31-89, Cl. 294-87.100.
Sato, Ryuichi; Taniguchi, Tsutomu; and Ohba, Masatoshi, to Omron Tateisi Electronics Co. Drive circuit for a two layer laminated electrostriction element. 4,857,757, 8-15-89, Cl. 307-113.000.
Sato, Ryuichi: *See—*
Agatahama, Shunichi; Koga, Hirofumi; Sato, Ryuichi; Sagawa, Hiroyuki; and Matsuoka, Kazushige. 4,831,348, Cl. 335-80.000.
Sagawa, Hiroyuki; Koga, Hirofumi; Agatahama, Shunichi; Okumura, Hideyuki; Matsuoka, Kazushige; and Sato, Ryuichi, 4,814,944, Cl. 361-403.000.
Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, to Fujitsu Limited. Electro luminescence device and electrophotographic printing system using the same. 4,807,047, 2-21-89, Cl. 358-300.000.
Sato, Seiichi, to Namco, Ltd. Game system. 4,858,930, 8-22-89, Cl. 273-85.00G.
Sato, Seiichi, to Suzuki Motor Company Limited. Cowl structure for use in an automobile body. 4,869,546, 9-26-89, Cl. 296-192.000.
Sato, Seiichi: *See—*
Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,886,822, Cl. 514-357.000.
Sato, Seiji: *See—*
Suwa, Hisashi; Sato, Seiji; Matsubara, Susumu; Yano, Eiji; and Koizumi, Katsuyuki, 4,853,804, Cl. 360-85.000.
Sato, Shichiro. Force multiplier. 4,811,622, 3-14-89, Cl. 74-525.000.
Sato, Shiego: *See—*
Katoh, Noboru; Sakuma, Shuzo; Sato, Shiego; Wakayama, Sachio; and Nozaki, Hisashi, 4,816,279, Cl. 426-513.000.
Sato, Shigehiro; and Shimizu, Tokihiko, to Matsushita Electric Industrial Co., Ltd. Method for making a relief pattern of a cured resin on a transparent colored layer. 4,828,947, 5-9-89, Cl. 430-7.000.
Sato, Shigeji: *See—*
Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.
Yamahira, Yoshiya; Fujioka, Keiji; and Sato, Shigeji, 4,855,134, Cl. 424-85.700.
Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, 4,880,796, Cl. 514-206.000.
Sato, Shigetada, to Asahi Kogaku Kogyo Kabushiki Kaisha. Zoom lens. 4,812,022, 3-14-89, Cl. 350-426.000.
Sato, Shigetaka Extendable windshield wiper. 4,813,095, 3-21-89, Cl. 15-250.240.
Sato, Shin: *See—*
Kato, Koji; Umehara, Noritsugu; Adachi, Shigeru; and Sato, Shin, 4,821,466, Cl. 51-317.000.
Sato, Shin-ichi: *See—*
Satoh, Akira; and Sato, Shin-ichi, 4,819,855, Cl. 227-67.000.
Sato, Shingo; Nakamura, Yoshisada; and Tamoto, Koji, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,824,773, 4-25-89, Cl. 430-557.000.
Sato, Shinichi; and Takeda, Fumio, to Mitsubishi Denki Kabushiki Kaisha. Antenna with lumped reactive matching elements between radiator and ground plate. 4,827,266, 5-2-89, Cl. 343-700.0MS.
Sato, Shinichi: *See—*
Sano, Koichi; Sato, Shinichi; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,803,431, Cl. 324-306.000.
Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, Cl. 128-653.000.
Sato, Shinji, to Fujitsu Limited. CMOS gate array with orthagonal gates. 4,816,887, 3-28-89, Cl. 357-42.000.
Sato, Shinji: *See—*
Matsumura, Nobutake; and Sato, Shinji, 4,809,029, Cl. 364-900.000.
Sato, Shinsei: *See—*
Terasaki, Ryuichi; Sato, Shinsei; Ogata, Yoichi; Nozawa, Kazumi; and Nakajima, Yukihiko, 4,816,338, Cl. 428-408.000.
Sato, Shiro: *See—*
Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, Heizo; Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. 301-63.00R.
Sato, Shohei, to Omron Tateisi Electronics Co. Ultrasonic probe. 4,880,012, 11-14-89, Cl. 128-663.010.
Sato, Shoichi; Osame, Yasuhiro; and Tazaki, Seiji, to Showa Aluminum Corporation. Process for producing flux for brazing. 4,888,067, 12-19-89, Cl. 148-26.000.
Sato, Shoichi: *See—*
Murakoso, Toshiyuki; Sato, Shoichi; and Yagi, Motoi, 4,856,603, Cl. 177-210.00C.
Sato, Shoji: *See—*
Ando, Yoshio; Ishige, Yoshiki; Kinugasa, Toshiyuki; and Sato, Shoji, 4,882,002, Cl. 156-310.000.
Sato, Shun'ichi: *See—*
Okamoto, Toshiaki; Sunagawa, Tomoji; and Sato, Shun'ichi, 4,819,612, Cl. 126-263.000.
Sato, Shunji: *See—*
Honjo, Takeshi; and Sato, Shunji, 4,849,787, Cl. 355-313.000.
Sato, Sinichi: *See—*
Otsu, Ichiro; Kanno, Sueo; Sato, Sinichi; and Kondo, Tetsuya, 4,822,924, Cl. 568-812.000.
Sato, Sinzi: *See—*
Tateishi, Toru; and Sato, Sinzi, 4,851,919, Cl. 358-443.000.
Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, to Kawasaki Steel Corporation. Method of manufacturing cold-rolled steel sheets. 4,818,299, 4-4-89, Cl. 148-2.000.
Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, to SS Pharmaceutical Co., Ltd. 8-piperazinyl-1,7-naphthyridine derivative having pharmaceutical activity. 4,866,176, 9-12-89, Cl. 544-262.000.
Sato, Tadahisa: *See—*
Furutachi, Nobuo; Sato, Tadahisa; Sakanoue, Seiki; Mitsui, Akio; Sakai, Minoru; Morigaki, Masakazu; Kobayashi, Hidetoshi; Sakai, Nobuo; Nakazyo, Kiyoshi; Hirose, Takeshi; and Kawagishi, Toshio, 4,865,963, Cl. 430-558.000.
Sato, Tadakuni; and Tachiya, Yuichi, to Tokin Corporation. Method for producing a rare earth metal-iron-boron anisotropic sintered magnet from rapidly-quenched rare earth metal-iron-boron alloy ribbon-like flakes. 4,881,986, 11-21-89, Cl. 148-103.000.

Sato, Tadao: *See—*
Susa, Michitaro; and Sato, Tadao, 4,825,868, Cl. 128-376.000.
Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, to Hitachi, Ltd. Ion source device. 4,847,476, 7-11-89, Cl. 250-427.000.
Sato, Tadashi: *See—*
Anao, Kimiharu; Hori, Yoshitsugu; Shimamaki, Keiichi; and Sato, Tadashi, 4,870,225, Cl. 174-68.500.
Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, 4,865,709, Cl. 204-192.120.
Ohno, Tasunori; Kurosawa, Tomoe; Sato, Tadashi; Kurosawa, Yukio; and Hakamata, Yoshimi, 4,851,668, Cl. 250-251.000.
Sugiura, Susumu; Sato, Tadashi; and Nakajima, Norio, 4,84[illegible],428, Cl. 358-300.000.
Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.
Sato, Taichi: *See—*
Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.
Sato, Takanobu: *See—*
Tanaka, Katsuhiko; Sato, Takanobu; and Sakatani, Ikunori, 4,805,972, Cl. 350-6.700.
Sato, Takanori; Watanabe, Yasushi; Nakamura, Yasukazu; and Saito, Yutaka, to Shumizu Construction Co., Ltd. Concrete filled tube column and method of constructing same. 4,864,797, 9-12-89, Cl. 52-725.000.
Sato, Takanori, to Shimizu Construction Co., Ltd. Apparatus for suppressing vibration of structure. 4,873,798, 10-17-89, Cl. 52-167.0DF.
Sato, Takanori, to Shimizu Construction Co., Ltd. Device for suppressing vibration of structure. 4,875,313, 10-24-89, Cl. 52-167.0DF.
Sato, Takashi; and Sano, Teruo, to Casio Computer Co., Ltd. Manual sweeping, image data processing apparatus. 4,851,921, 7-25-89, Cl. 358-474.000.
Sato, Takashi; Yamauchi, Kazuki; and Ishibashi, Norio, to Casio Computer Co., Ltd. Manual sweeping apparatus. 4,862,281, 8-29-89, Cl. 358-400.000.
Sato, Takashi; Ozawa, Tsutomu; and Yamada, Toshio, to Nippon Steel Corporation. Amorphous alloy strips having a large thickness and method for producing the same. 4,865,664, 9-12-89, Cl. 148-403.000.
Sato, Takashi: *See—*
Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
Muranaga, Yoshinobu; and Sato, Takashi, 4,851,896, Cl. 358-443.000.
Sato, Yuichi; Sato, Takashi; and Yamada, Toshio, 4,842,041, Cl. 164-463.000.
Shingu, Hideo; Abe, Mitsunobu; Sato, Takashi; and Yamada, Toshio, 4,820,141, Cl. 419-8.000.
Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.
Sato, Takateru: *See—*
Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, 4,839,055, Cl. 210-641.000.
Sato, Takayuki: *See—*
Tsuchida, Masami; Suzuki, Shiro; Koguchi, Kiichiro; Takahashi, Tokihiro; and Sato, Takayuki, 4,887,170, Cl. 360-15.000.
Sato, Takehiko. *See—*
Tsunekawa, Yuzo; Tsuruta, Hikaru; and Sato, Takehiko, 4,871,441, Cl. 204-409.000.
Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, to Matsushita Electric Industrial Co., Ltd. Projection optical system for use in precise copy. 4,861,148, 8-29-89, Cl. 350-505.000.
Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, to Matsushita Electric Industrial Co., Ltd. Apparatus for controlling relation in position between a photomask and a wafer. 4,870,289, 9-26-89, Cl. 250-548.000.
Sato, Takeo: *See—*
Suzuki, Masaki; Nagano, Hiroyuki; Sato, Takeo; and Watanabe, Toshiyuki, 4,844,568, Cl. 350-6.200.
Sato, Takeshi, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,817,433, 4-4-89, Cl. 73-620.000.
Sato, Takeshi; Adachi, Hiroo; and Munetomo, Shigeru, to Pioneer Electronic Corporation. Acoustic-device cooling unit. 4,860,361, 8-22-89, Cl. 381-55.000.
Sato, Takeshi; Fukase, Katsuya; Shimada, Kiyotaka; and Uchida, Hirofumi, to Shinko Electric Industries Co., Ltd. Process for forming a circuit substrate. 4,867,839, 9-19-89, Cl. 156-630.000.
Sato, Takeshi *See—*
Kanda, Ryoichi; and Sato, Takeshi, 4,844,083, Cl. 128-661.010.
Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.
Shimada, Shunsuke; and Sato, Takeshi, 4,842,780, Cl. 261-64.300.
Shimada, Shunsuke; and Sato, Takeshi, 4,851,259, Cl. 427-136.000.
Sato, Taketo: *See—*
Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.
Sato, Takumi: *See—*
Mitsuishi, Akio; Nakazawa, Y[illegible]hiko; and Sato. Takumi, 4,881,832, Cl. 400-124.000.
Sato, Tasuku; Nakanishi, Kiyoshi; Fukumura, Yoshikazu; and Nagasawa, Keizo, to NTN Toyo Bearing Co., Ltd. Grease for homokinetic joint. 4,840,740, 6-20-89, Cl. 252-32.70E.
Sato, Teiji: *See—*
Usui, Kiochi; Sato, Teiji; Tanaka, Masanori; and Takahashi, Noriyuki, 4,830,843, Cl. 423-331.000.
Sato, Tetsuhiko; and Inoue, Osamu, to Bridgestone Corporation. Heavy duty pneumatic bias tire. 4,794,969, 1-3-89, Cl. 152-545.000.
Sato, Tokuji: *See—*
Takamura, Mashashi; Kobayashi, Kiyotaka; Sato, Tokuji; and Naka, Yoji, 4,868,593, Cl. 354-403.000.
Sato, Tomio; Matsuoka, Shigeru; Matsuda, Eiji; and Yonenaga, Hitoshi, to Hitachi, Ltd. Document editing apparatus having detachable image reader. 4,887,165, 12-12-89, Cl. 358-474.000.
Sato, Tomio: *See—*
Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Sato, Tomoaki: *See—*
Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa. Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
Tohjoh, Yoshikazu; Hasegawa, Akira; and Sato, Tomoaki, 4,856,495, Cl. 128-6.000.
Yabe, Hisao; and Sato, Tomoaki, 4,868,644, Cl. 358-98.000.
Sato, Tomohiro: *See—*
Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
Sato, Tomomasa: *See—*
Jaffe, Jules S.; Cassereau, Philippe; and Sato, Tomomasa, 4,855,961, Cl. 367-7.000.
Sato, Tomoyoshi: *See—*
Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.
Sato, Toru; and Hasegawa, Toshihisa, to Hakuju Institute for Health Science Co., Ltd. Device for opening and closing the seating plate of the lavatory unit of the seat type. 4,807,307, 2-28-89, Cl. 4-251.000.
Sato, Toru; Morito, Nobuyuki; and Kobayashi, Shinji, to Kawasaki Steel Corporation. Cooling rolls for producing rapidly solidified metal strip sheets. 4,809,768, 3-7-89, Cl. 164-423.000.
Sato, Toru; Okazaki, Naoto; and Hiyoshi, Katsumi, to Sato, Toru. Preserving solution for blood or packed blood cells and method for preserving blood or packed blood cells by using the same. 4,812,310, 3-14-89, Cl. 424-101.000.
Sato, Toru; and Hasegawa, Toshihisa, to Tottori University. Pressure regulator for cuff of endotracheal tube with superposition of ventilating pressure variation. 4,825,862, 5-2-89, Cl. 128-207.150.
Sato, Toru; Matsuda, Atsuya; Shibata, Masaru; and Onohara, Masayuki, to Sumitomo Bakelite Co., Ltd. Container and method for storing blood. 4,837,047, 6-6-89, Cl. 422-41.000.
Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, to Kuraray Co., Ltd. Process for producing polyvinyl ester having a high degree of polymerization and process for producing polyvinyl alcohol having a high degree of polymerization. 4,818,787, 4-4-89, Cl. 525-62.000.
Sato, Toshiaki; Yuki, Ken; Yamauchi, Junnosuke; and Okaya, Takuji, to Kuraray Co., Ltd. Process for producing polyvinyl ester having a high degree of polymerization and process for producing polyvinyl alcohol having a high degree of polymerization. 4,818,788, 4-4-89, Cl. 525-62.000.
Sato, Toshiaki: *See—*
Kohno, Hiroji; Moritani, Kohji; Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, 4,835,198, Cl. 524-47.000.
Ohta, Toshihiko; Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, 4,818,853, Cl. 235-492.000.
Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Kats[illegible]hi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,830,660, Cl. 71-92.000.
Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.
Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, 4,881,965, Cl. 71-92.000.

- Sato, Toshifumi; and Oyagi, Takashi, to NEC Corporation. Paging receiver having battery saving circuit. 4,839,639, 6-13-89, Cl. 340-825.440.
- Sato, Toshifumi: *See—*
  - Ide, Motoki; and Sato, Toshifumi, 4,812,813, Cl. 340-311.100.
  - Ide, Motoki; and Sato, Toshifumi, 4,821,021, Cl. 340-311.100.
  - Oyagi, Takashi; and Sato, Toshifumi, 4,837,854, Cl. 455-343.000.
- Sato, Toshiharu: *See—*
  - Yoshikawa, Akihisa; Tajima, Masamichi; Watanabe Kunio; and Sato, Toshiharu, 4,889,036, Cl. 91-403.000.
- Sato, Toshihiko: *See—*
  - Sakashita, Hitoshi; Mineura, Yoshihisa; and Sato, Toshihiko, 4,841,652, Cl. 40-299.000.
- Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, to Hitachi, Ltd. Magnetic bubble memory device. 4,837,741, 6-6-89, Cl. 365-12.000.
- Sato, Toshihiro: *See—*
  - Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,824,998, Cl. 560-205.000.
  - Inoue, Kazutaka; Sato, Toshihiro; and Kobayashi, Masao, 4,873,391, Cl. 585-639.000.
- Sato, Toshikazu: *See—*
  - Fujii, Itsuo; Sato, Toshikazu; and Kawashima, Kazuharu, 4,822,639, Cl. 427-240.000.
- Sato, Toshio: *See—*
  - Takeuchi, Hirosato; Takanaka, Akira; Nishikiori, Masanori; Nozawa, Nobuyuki; and Sato, Toshio, 4,829,889, Cl. 99-289.00P.
- Sato, Toyomi: *See—*
  - DeLuca, Patrick P.; Kanke, Motoko; Sato, Toyomi; and Schroeder, Hans G., 4,818,542, Cl. 424-491.000.
- Sato, Tsunehiko: *See—*
  - Chino, Naoyoshi; Hiraki, Yasuhito; and Sato, Tsunehiko, 4,854,262, Cl. 118-411.000.
  - Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,844,946, Cl. 427-48.000.
  - Komatsu, Kazunori; Chikamasa, Hiroshi; and Sato, Tsunehiko, 4,874,633, Cl. 427-48.000.
  - Shibata, Norio; Sato, Tsunehiko; Takeda, Hideo; and Chino, Naoyoshi, 4,796,557, Cl. 118-62.000.
  - Sugiyama, Tuyoshi; Takeda, Hideo; Sato, Tsunehiko; and Chikamasa, Hiroshi, 4,887,623, Cl. 134-64.00R.
- Sato, Tsuyoshi: *See—*
  - Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.
- Sato, Yasuaki: *See—*
  - Ikegami, Yoshiki; Hayakawa, Yoshio; and Sato, Yasuaki, 4,835,735, Cl. 364-900.000.
- Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, to Canon Kabushiki Kaisha. Active energy beam-curable type resin composition. 4,839,399, 6-13-89, Cl. 522-14.000.
- Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, to Canon Kabushiki Kaisha. Active energy ray-curable resin composition. 4,839,400, 6-13-89, Cl. 522-14.000.
- Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, to Canon Kabushiki Kaisha. Liquid jet recording head. 4,839,668, 6-13-89, Cl. 346-140.00R.
- Sato, Yasufumi; Munakata, Megumi; and Noguchi, Hiromichi, to Canon Kabushiki Kaisha. Liquid jet recording head. 4,839,669, 6-13-89, Cl. 346-140.00R.
- Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, to Tanabe Seiyaku Co., Ltd. Lactam derivatives. 4,839,360, 6-13-89, Cl. 514-252.000.
- Sato, Yasuhiro; and Haraguchi, Kazuo, to Kabushiki Kaisha Maki Seisakusho. Object distributing and supplying method and apparatus. 4,840,265, 6-20-89, Cl. 198-446.000.
- Sato, Yasuhiro: *See—*
  - Kondo, Tsuneyuki; and Sato, Yasuhiro, 4,818,657, Cl. 430-114.000.
  - Tsukamoto, Yukihide; Sato, Yasuhiro; Seino, Minoru; and Toyoda, Akio, 4,835,041, Cl. 428-215.000.
- Sato, Yasuhisa; Yamada, Yasuyuki; and Nakayama, Hiroki, to Canon Kabushiki Kaisha. Small sized zoom lens. 4,815,830, 3-28-89, Cl. 350-427.000.
- Sato, Yasuhisa; Kitagishi, Nozomu; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, to Canon Kabushiki Kaisha. Finder of variable magnification. 4,842,395, 6-27-89, Cl. 350-519.000.
- Sato, Yasuhisa; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, to Canon Kabushiki Kaisha. Photographic optical device with variable magnification. 4,871,238, 10-3-89, Cl. 350-422.000.
- Sato, Yasuhisa: *See—*
  - Nakayama, Hiroki; Sato, Yasuhisa; Oizumi, Kouji; and Yamada, Yasuyuki, 4,830,474, Cl. 350-422.000.
  - Tsuboi, Takayuki; Nakazawa, Isao; Harunari, Yoshihiro; Sato, Yasuhisa; and Yamada, Yasuyuki, 4,862,202, Cl. 354-195.120.
- Sato, Yasuji; and Akita, Yoshihiro, to Kabushiki Kaisha Toshiba. Communication system using unbalanced communication paths. 4,815,127, 3-21-89, Cl. 379-417.000.
- Sato, Yasuji; and Hino, Fumio, to Kabushiki Kaisha Toshiba. Office line interface circuits. 4,856,058, 8-8-89, Cl. 379-394.000.
- Sato, Yasunori: *See—*
  - Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.
  - Machida, Isao; Sato, Yasunori; and Yamada, Yoshiji, 4,827,795, Cl. 74-579.00E.
- Sato, Yasuo: *See—*
  - Nagase, Hiroshi; and Sato, Yasuo, 4,843,100, Cl. 514-594.000.
- Sato, Yasushi; Nagasaki, Shigeru; Taniguchi, Masato; Kagawa, Junichi; and Kawamura, Mitsuyoshi, to NGK Spark Plug Co., Ltd. Ceramic valve supporting structure in use for internal combustion engine. 4,838,218, 6-13-89, Cl. 123-188.0AA.
- Sato, Yasushi: *See—*
  - Endo, Ichiro; Sato, Yasushi; Saito, Seiji; Nakagiri, Takashi; and Ohno, Shigeru, 4,849,774, Cl. 346-140.00R.
  - Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.
- Sato, Yasuyuki; Sugata, Masaki; and Murai, Hiroyuki, to Nippondenso Co., Ltd. Spark plug for use in internal combustion engine. 4,853,582, 8-1-89, Cl. 313-141.000.
- Sato, Yasuyuki; Saito, Shinji; and Yamauchi, Hidetoshi, to Ibiden Co., Ltd. Electronic circuit substrates. 4,882,455, 11-21-89, Cl. 174-68.500.
- Sato, Yasuyuki: *See—*
  - Takamura, Kozo; Murai, Hiroyuki; and Sato, Yasuyuki, 4,845,400, Cl. 313-142.000.
- Sato, Yo; and Kashiwaba, Tadao, to Kabushiki Kaisha Sato. Electronic hand labeler. 4,820,064, 4-11-89, Cl. 400-120.000.
- Sato, Yo; and Kashiwaba, Tadao, to Kabushiki Kaisha Sato. Electronic hand labeler with thermal printer and plural cutters. 4,830,522, 5-16-89, Cl. 400-120.000.
- Sato, Yoichi; and Ichinokawa, Kazuo, to NEC Corporation. Optical digitizer. 4,803,737, 2-7-89, Cl. 382-65.000.
- Sato, Yoichi, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corp. Semiconductor memory device. 4,888,737, 12-19-89, Cl. 365-203.000.
- Sato, Yoichi: *See—*
  - Ichinokawa, Kazuo; Sato, Yoichi; and Otsuka, Tadashi 4,810,838, Cl. 178-19.000.
  - Nishikawa, Masao; Aoki Takashi; Sato, Yoichi; and Fukuda, Yukihiro, 4,856,382, Cl. 74-867.000.
- Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, to Dainippon Ink & Chemicals, Inc.; and Asahi Chemical Research Laboratory, Ltd. Resin composition for solder resist ink. 4,888,269, 12-19-89, Cl. 430-280.000.
- Sato, Yoshiaki; and Ishikawa, Tazuru, to Junkosha Co., Ltd. Oil leakage sensor element. 4,862,066, 8-29-89, Cl. 324-65.00P.
- Sato, Yoshiaki: *See—*
  - Nakamura, Itsuro; Sato, Yoshiaki; and Ito, Junichi, 4,863,795, Cl. 428-329.000.
  - Suzuki, Hirosuke; Yamazaki, Etsuo; and Sato, Yoshiaki, 4,796,046, Cl. 355-3.0FU.
- Sato, Yoshihiko: *See—*
  - Yanagisawa, Naoki; and Sato, Yoshihiko, 4,799,465, Cl. 123-256.000.
  - Yanagisawa, Naoki; Sato, Yoshihiko; and Sakurai, Noriyuki, 4,838,222, Cl. 123-263.000.
- Sato, Yoshihiro: *See—*
  - Kanai, Seita; Edahiro, Takeshi; Sato, Yoshihiro; and Oda, Masashi, 4,810,004, Cl. 280-690.000.
- Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Communication control unit providing isolation of failure condition of electronic control unit. 4,835,671, 5-30-89, Cl. 364-186.000.
- Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori; and Saito, Takao, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Communication control system. 4,864,568, 9-5-89, Cl. 371-8.200.
- Sato, Yoshikazu: *See—*
  - Sugitani, Yuji; and Sato, Yoshikazu, 4,827,101, Cl. 219-124.100.
  - Sugitani, Yuji; Sato, Yoshikazu; and Nishi, Yasuhiko, 4,876,432, Cl. 219-124.320.
- Sato, Yoshiko: *See—*
  - Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.
- Sato, Yoshikuni: *See—*
  - Yamahata, Hitoshi; and Sato, Yoshikuni, 4,847,748, Cl. 364-200.000.
- Sato, Yoshimitsu: *See—*
  - Kimura, Akinori; Yoda, Akira; and Sato, Yoshimitsu, 4,809,642, Cl. 118-662.000.
- Sato, Yoshinori: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
  - Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,857,396, Cl. 428-315.500.
  - Otonari, Satoshi; Sato, Yoshinori; Masuda, Narihiro; and Kotani, Tomoyuki, 4,871,784, Cl. 521-138.000.
  - Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,549, Cl. 53-428.000.
  - Usami, Ikuzo; Sato, Yoshinori; Kurosawa, Yoshitaka; and Morimura, Kazuyuki, 4,811,838, Cl. 206-219.000.
  - Usami, Ikuzo; Sato, Yoshinori; and Sumitomo, Masakazu, 4,865,884, Cl. 427-256.000.
- Sato, Yoshio: *See—*
  - Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
  - Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
  - Michizuki, Akira; Sato, Yoshio; Ogawara, Hisashi; and Yamashita, Syuzo, 4,808,313, Cl. 210-500.280.
  - Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.
  - Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, 4,841,514, Cl. 369-100.000.
- Sato, Yoshiro: *See—*
  - Sato, Hirochika; Nakayama, Haruo; Uchiyama, Takeshi; Hagami, Yoshihisa; and Sato, Yoshiro, 4,825,113, Cl. 370-2.000.
- Sato, Yoshitake; Ohike, Toshio; and Nakazaki, Youji, to Yazaki Corporation. Bimetallic indicator. 4,812,749, 3-14-89, Cl. 324-106.000.
- Sato, Yoshitake: *See—*
  - Ohtani, Yukio; and Sato, Yoshitake, 4,870,861, Cl. 73-317.000.
- Sato, Yoshiyuki: *See—*
  - Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.
  - Tanaka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,873,177, Cl. 430-326.000.
  - Tanka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,820,621, Cl. 430-331.000.
- Sato, Yougi, to Brother Kogyo Kabushiki Kaisha. Printing apparatus capable of backlash regulation. 4,881,834, 11-21-89, Cl. 400-279.000.
- Sato, Youichi: *See—*
  - Nakamura, Hironori; Yotsui, Toshiaki; Sato, Youichi; Umetsubo, Toshiaki; and Ohkawa, Hideo, 4,872,247, Cl. 29-125.000.
- Sato, Youji, to Nifco, Inc. Stabilizer for automobile door window glass. 4,799,334, 1-24-89, Cl. 49-493.000.
- Sato, Yuichi, to Canon Kabushiki Kaisha. Signal processing apparatus. 4,800,591, 1-24-89, Cl. 382-50.000.
- Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, to Canon Kabushiki Kaisha. Image processing apparatus. 4,833,544, 5-23-89, Cl. 358-287.000.
- Sato, Yuichi; Sato. Takashi; and Yamada, Toshio, to Nippon Steel Corporation. Metal strip manufacturing method and nozzle therefor. 4,842,041, 6-27-89, Cl. 164-463.000.
- Sato, Yuji; Kono, Hiromi; Tanoue, Akifumi; and Kimura, Yoshiyuki, to Diesel Kiki Co., Ltd. Automatic gear change device. 4,884,201, 11-28-89, Cl. 364-424.100.
- Sato, Yukie: *See—*
  - Kumagami, Naoki, Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, 4,822.967, Cl. 219-10.55F.
  - Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.
- Sato, Yukio, to Canon Kabushiki Kaisha. Color image recorder recording different colors with different recording units and preventing recording operation in the case of improper color balance. 4,809,037, 2-28-89, Cl. 355-4.000.
- Sato, Yukio: *See—*
  - Fujiwara, Toshihiro; Tsurumi, Hideaki; and Sato, Yukio, 4,880,926, Cl. 544-105.000.
  - Ishii, Hiroaki; Sato, Yukio; Udagawa, Yutaka; and Wataya, Masafumi, 4,821,065, Cl. 355-14.00E.
  - Suzuki, Yoshiyuki; Funada, Masahiro; Sato, Mamoru; and Sato, Yukio, 4,797,945, Cl. 382-56.000.
  - Wakata, Hitoshi; Inoue, Mitsuo; Sato, Yukio; Haruta, Kenyu; and Nagai, Haruhiko, 4,837,773, Cl. 372-86.000.
  - Wataya, Masafumi; Sato, Yukio; Ishida, Yoshihiro; and Yamamoto, Tadashi, 4,887,095, Cl. 346-76.0PH.
  - Yokoyama, Katsunori; Sato, Yukio; and Shimai, Shunzo, 4,862,030, Cl. 310-332.000.
- Sato, Yukiya: *See—*
  - Ohtani, Shoji; Sato, Yukiya; Takemura, Kazunari; and Tsushima, Rikio, 4,868,086, Cl. 430-137.000.
- Sato, Yutaka: *See—*
  - Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,840,180, Cl. 128-661.080.
  - Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,850,366, Cl. 128-661.080.
  - Tamano, Satoshi; Ito, Yukio; Kishimoto, Shinji; and Sato, Yutaka, 4,830,016, Cl. 128-661.090.
  - Yoshioka, Teruo; Nakano, Shoji; and Sato, Yutaka, 4,879,797, Cl. 29-240.000.
- Sato, Yuzuru: *See—*
  - Yazaki, Minoru; Sato, Yuzuru; and Ito, Akihiko, 4,850,676, Cl. 350-332.000.
- Satoh, Akira; and Sato, Shin-ichi, to Satoh Gosei Co., Ltd. Tag-pin attaching apparatus. 4,819,855, 4-11-89, Cl. 227-67.000.
- Satoh, Fumio: *See—*
  - Miyano, Seiji; Sumoto, Kunihiro; and Satoh, Fumio, 4,831,049, Cl. 514-413.000.
  - Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl. 514-228.200.
  - Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, 4,889,853, Cl. 514-227.500.
- Satoh Gosei Co., Ltd.: *See—*
  - Satoh, Akira; and Sato, Shin-ichi, 4,819,855, Cl. 227-67.000.
- Satoh, Hideya: *See—*
  - Oka, Yasuhiko; and Satoh, Hideya, 4,809,242, Cl. 367-113.000.
- Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, to Nisshin Flour Milling Co., Ltd. 1,4-Dihydropyridine derivatives and pharmaceutical compositions containing same. 4,877,797, 10-31-89, Cl. 514-314.000.
- Satoh, Hiroshi; and Mohri, Minoru, to Toyo Denso Kabushiki Kaisha. Reversing switch. 4,808,775, 2-28-89, Cl. 200-1.00V.
- Satoh, Hiroshi; and Yahagi, Tadao, to TDK Corporation. Composite part and method of manufacturing same. 4,818,960, 4-4-89. Cl. 333-185.000.
- Satoh, Hiroshi; and Abo, Toshimi, to Nissan Motor Company, Limited. System and method for controlling an ignition timing for an internal combustion engine. 4,825,832, 5-2-89, Cl. 123-425.000.
- Satoh, Hiroshi; and Abo, Toshimi, to Nissan Motor Company, Limited. System and method for controlling an ignition timing for an internal combustion engine. 4,848,299, 7-18-89. Cl. 123-425.000.
- Satoh, Hiroshi: *See—*
  - Inoue, Masashi; Satoh, Hiroshi; and Tamamoto, Hideo, 4,850,510, Cl. 221-131.000.
  - Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, 4,850,536, Cl. 239-332.000.
- Satoh, Hisao: *See—*
  - Kawai, Tomoji; Satoh, Hisao; and Ohta, Yoshiharu, 4,863,608, Cl. 210-638.000.
- Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, to Matsushita Electric Industrial Co., Ltd. Optical recording and reproducing apparatus having erasing function with controllable erasing beam. 4,799,208, 1-17-89, Cl. 369-100.000.
- Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, to Matsushita Electric Industrial Co., Ltd. Information recording and reproducing apparatus which detects deterioration of a medium in each sector before recording. 4,821,254, 4-11-89, Cl. 369-54.000.
- Satoh, Isao; Fukushima, Yoshihisa; Ichinose. Makoto; Kuroki, Yuzuru; and Takagi, Yuji, to Matsushita Electric Industrial Co., Ltd. Optical disk duplicating apparatus using sector data identification information for controlling duplication. 4,823,333, 4-18-89, Cl. 369-84.000.
- Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, to Matsushita Electric Industrial Co., Ltd. Information recording/reproducing apparatus for handling defective sectors on an optical disk. 4,833,663, 5-23-89, Cl. 369-32.000.
- Satoh, Isao: *See—*
  - Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji. 4,885,735, Cl. 369-59.000.
  - Kuroki, Yuzuru; Satoh, Isao, Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, 4,805,046. Cl. 360-49.000.
  - Murai, Katsumi; Usui, Makoto; and Satoh, Isao, 4,866,717, Cl. 371-40.300.
  - Nagashima, Michiyoshi; and Satoh, Isao, 4,868,820, Cl. 369-44.000.
  - Sugimura, Tatuo; Satoh, Isao; Imai, Yoshihiko; and Ichinose, Makoto, 4,841,498, Cl. 369-32.000.
  - Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, 4,879,704, Cl. 369-14.000.
  - Usui, Makoto; Murai, Katsumi; and Satoh, Isao, 4,821,253, Cl. 369-54.000.
- Satoh, Katsuaki: *See—*
  - Ishikawa, Seiichi; Matsumoto, Masaharu; Satoh, Katsuaki; and Kawamura, Akihisa, 4,888,808, Cl. 351-103.000.
- Satoh, Katsuhiko: *See—*
  - Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
- Satoh, Kazumasa: *See—*
  - Kobayashi, Susumu; and Satoh, Kazumasa, 4,840,620, Cl. 604-246.000.
- Satoh, Kazushi: *See—*
  - Mutoh, Kiyoyuki; Satoh, Kazushi; and Kobayashi, Kouichirou, 4,855,381, Cl. 528-23.000.
- Satoh, Keiichi: *See—*
  - Tsuji, Kazuwo; Sumiya, Hitoshi; Kumazawa, Yoshiaki; Urakawa, Nobuo; and Satoh, Keiichi, 4,859,531, Cl. 428-333.000.
- Satoh, Keiji, to Fuji Jukogyo Kabushiki Kaisha. Method of measuring residual stress in a carrier produced in manufacturing of a belt for continuously variable transmission. 4,823,608, 4-25-89. Cl. 73-783.000.
- Satoh, Keiji, to Fuji Jukogyo Kabushiki Kaisha. Belt for a continuously variable transmission. 4,832,671, 5-23-89, Cl. 474-242.000.
- Satoh, Keiji, to Fuji Jukogyo Kabushiki Kaisha. System for controlling the pressure of oil in a system for a continuously variable transmission. 4,841,814, 6-27-89, Cl. 74-866.000.
- Satoh, Keiji; and Kozuki, Susumu, to Canon Kabushiki Kaisha. Apparatus for reproducing information signals by intermittently feeding tape-shaped record bearing medium. 4,882,634, 11-21-89, Cl. 360-10.200.
- Satoh, Keiji: *See—*
  - Kozuki, Susumu; and Satoh, Keiji, 4,841,380, Cl. 360-10.200.
  - Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, 4,879,609, Cl. 360-66.000.
  - Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.
  - Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, 4,825,307, Cl. 360-27.000.
- Satoh, Kenji: *See—*
  - Fujimoto, Naonobu; Yorita, Takashi; Yato, Yoshiaki; Nakamura, Yoshinori; and Satoh, Kenji, 4,811,341, Cl. 370-112.000.

Satoh, Kimikatsu: *See—*
Yamamori, Kiyoshi; Satoh, Kimikatsu; Hasegawa, Shigeyoshi; and Higuchi, Sadashi, 4,851,863, Cl. 346-140 00R.
Satoh, Kiyoshi: *See—*
Tujimura, Kiyoharu; Akebe, Osamu; and Satoh, Kiyoshi, 4,815,280, Cl. 73-204.120.
Satoh, Kohichi: *See—*
Itagaki, Takaharu; Shiraga, Mitsuaki; Sawayama, Shigeru; and Satoh, Kohichi, 4,808,683, Cl. 526-307.200.
Murao, Yoshikazu; Sawayama, Shigeru; and Satoh, Kohichi, 4,824,913, Cl. 525-344.000.
Satoh, Kohzoh: *See—*
Saitoh, Masakatsu; Kumisawa, Yuko; Yamada, Jun; and Satoh, Kohzoh, 4,832,457, Cl. 350-334.000.
Satoh, Kou, to Mitsubishi Corporation; and Satoh Shosan Ltd. Folding food take-out device. 4,826,033, 5-2-89, Cl. 220-85.00D.
Satoh, Masaharu; and Hashimoto, Sadakatsu, to Sharp Kabushiki Kaisha. Control system for multi-processor. 4,870,570, 9-26-89, Cl. 364-200.000.
Satoh, Masaharu: *See—*
Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,872,701, Cl. 280-703.000.
Akatsu, Yohsuke; Fukushima, Naoto; Fukunaga, Yukio; Hano, Sunao; and Satoh, Masaharu, 4,888,696, Cl. 364-424.050.
Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; Hano, Sunao; and Satoh, Masaharu, 4,865,347, Cl. 280-707.000.
Satoh, Masakazu: *See—*
Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, 4,803,266, Cl. 540-200.000.
Satoh, Masanori: *See—*
Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.
Satoh, Masaru: *See—*
Okabe, Susumu; Satoh, Masaru; Yamakawa, Tomio; Nomura, Yutaka; and Hayashi, Masatoshi, 4,824,856, Cl. 514-395.000.
Satoh, Masatoshi, to Kioritz Corporation. Lawn mower. 4,843,805, 7-4-89, Cl. 56-202.000.
Satoh, Mitsugu: *See—*
Ide, Tohru; and Satoh, Mitsugu, 4,824,424, Cl. 474-242.000.
Satoh, Mitsuru: *See—*
Tanzawa, Misao; Sakamoto, Koji; and Satoh, Mitsuru, 4,862,212, Cl. 355-3.00A.
Satoh, Mitsuyoshi: *See—*
Okubo, Toshimitsu; Takezawa, Mamoru; Satoh, Mitsuyoshi; and Suzuki, Kazuhiro, 4,799,814, Cl. 400-639.100.
Satoh, Motoaki: *See—*
Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.
Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, to Hitachi, Ltd. Sealed structure and production method thereof. 4,872,606, 10-10-89, Cl. 228-121.000.
Satoh, Noboru: *See—*
Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-245.000.
Satoh, Paul S.: *See—*
Baldwin, Thomas O.; Holzman, Thomas F.; Satoh, Paul S.; and Yein, Frederick S., 4,879,249, Cl. 436-543.000.
Satoh, Satoru: *See—*
Shimamura, Morihiko; Satoh, Satoru; and Kobayashi, Michio, 4,882,975, Cl. 91-376.00R.
Satoh, Satoshi: *See—*
Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
Satoh, Seiki, to Mitsui Kinzoku Kogyo Kabushiki Kaisha. Apparatus for connecting a handle and a locking device on automotive doors. 4,861,081, 8-29-89, Cl. 292-336.300.
Satoh Seiki Co., Ltd.: *See—*
Ichimura, Masatoshi, 4,800,829, Cl. 112-240.000.
Satoh, Shigeo: *See—*
Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
Satoh, Shigeru; and Okazaki, Kakuma, to Japan Aircraft Mfg. Co., Ltd. Extensible structure. 4,866,892, 9-19-89, Cl. 52-108.000.
Satoh, Shin: *See—*
Kondow, Masahiko; Satoh, Shin; Minagawa, Shigekazu; Ohishi, Akio; and Kajimura, Takashi, 4,841,531, Cl. 372-43.000.
Satoh, Shin-ichi: *See—*
Matsushita, Toshihiro; and Satoh, Shin-ichi, 4,829,249, Cl. 324-212.000.
Satoh, Shinichi; Hirata, Toichi; Sugiyama, Genroku; and Tanaka, Hideaki, to Hitachi Construction Machinery Co., Ltd. Valve apparatus. 4,858,649, 8-22-89, Cl. 137-625.600.
Satoh, Shinichi; and Fujioka, Kazutoshi, to Shin-Etsu Chemical Co., Ltd. Organosilicon compound. 4,861,908, 8-29-89, Cl. 556-420.000.
Satoh, Shinichi: *See—*
Arai, Masatoshi; Satoh, Shinichi; and Fujioka, Kazutoshi, 4,801,725, Cl. 556-434.000.
Hirata, Toichi; Tanaka, Hideaki; Sugiyama, Genroku; and Satoh, Shinichi, 4,832,082, Cl. 137-625.660.
Sugiyama, Genroku; Hirata, Toichi; and Satoh, Shinichi, 4,875,337, Cl. 60-421.000.
Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Moriizumi, Koichi, 4,887,137, Cl. 357-23.600.
Satoh, Shizuyoshi: *See—*
Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.
Satoh Shosan Ltd.: *See—*
Satoh, Kou, 4,826,033, Cl. 220-85.00D.
Satoh, Shuichi; and Tsuji, Kazuwo, to Sumitomo Electric Industries, Ltd. Process for synthesizing large diamond. 4,836,881, 6-6-89, Cl. 156-621.000.
Satoh, Shyuichi; and Tsuji, Kazuwo, to Sumitomo Electric Industries, Ltd. Light emitting element comprising diamond and method for producing the same. 4,880,613, 11-14-89, Cl. 423-446.000.
Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, to Kawasaki Steel Corporation. Method of manufacturing formable as-rolled thin steel sheets. 4,861,390, 8-29-89, Cl. 148-12.00R.
Satoh, Susumu: *See—*
Abe, Yoko; Satoh, Susumu; Hori, Mitsuhiko; and Yamanaka, Naoko, 4,847,260, Cl. 514-279.000.
Abe, Yoko; Satoh, Susumu; and Itoh, Yoshiaki, 4,863,952, Cl. 514-423.000.
Satoh, Takateru; and Shiba, Haruo, to TDK Corporation. Cassette having magnetic tape protected from contaminants. 4,812,936, 3-14-89, Cl. 360-132.000.
Satoh, Takateru, to TDK Corporation. Magnetic tape cassette. 4,819,889, 4-11-89, Cl. 242-199.000.
Satoh, Takateru; Shiba, Haruo; and Ikebe, Masaru, to TDK Corporation. Handling of a tape cassette. 4,847,717, 7-11-89, Cl. 360-132.000.
Satoh, Takateru; Tanaka, Kimio; and Sasaki, Morimasa, to TDK Corporation. Casing for cassette magnetic tape. 4,853,816, 8-1-89, Cl. 360-132.000.
Satoh, Takateru, to TDK Corporation. Braking arrangement in a magnetic tape cassette. 4,884,159, 11-28-89, Cl. 360-132.000.
Satoh, Takateru: *See—*
Shiba, Haruo; Tanaka, Kimio; and Satoh, Takateru, 4,864,450, Cl. 360-132.000.
Tanaka, Kimio; Satoh, Takateru; and Shiba, Haruo, 4,871,153, Cl. 267-155.000.
Satoh, Takehiko. *See—*
Nate, Tatsuo; Oka, Koichi; and Satoh, Takehiko, 4,865,660, Cl. 148-301.000.
Satoh, Takeyoshi: *See—*
Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, 4,811,161, Cl. 361-302.000.
Satoh, Takuji: *See—*
Yokokura, Takashi; Gemma, Takashi; and Satoh, Takuji, 4,812,042, Cl. 356-348.000.
Satoh, Tetsuo: *See—*
Itoh, Hiroyuki; Ishii, Takafumi; and Satoh, Tetsuo, 4,857,427, Cl. 430-19.000.
Satoh, Tetsuya: *See—*
Imataki, Hiroyuki; Hiraoka, Mizuho; Tamura, Tomoyuki; and Satoh, Tetsuya, 4,876,042, Cl. 264-39.000.
Satoh, Tomiyoshi; Kimura, Masahiro; and Takahashi, Hidenobu, to Hitachi, Ltd. Magnetic recording and reproducing apparatus. 4,864,440, 9-5-89, Cl. 360-99.020.
Satoh, Tomohiro, to Kabushiki Kaisha Toshiba. Ultrasonic diagnostic apparatus having pivotable and slidable operational table. 4,870,954, 10-3-89, Cl. 128-24.00A.
Satoh, Toru: *See—*
Stauffer, Paul R.; and Satoh, Toru, 4,825,880, Cl. 128-804.000.
Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, to Sawai Pharmaceutical Co., Ltd. Pharmaceutical compositions of-2,2-1,1-[bis-2,2′-(3,1-benzoxazin-4-one)9 ethylenes. 4,822,791, 4-18-89, Cl. 514-212.000.
Satoh, Tsumori; and Koichi, Yasushi, to Ricoh Company, Ltd. Cleaning device for an image forming apparatus. 4,885,612, 12-5-89, Cl. 355-305.000.
Satoh, Tsuneo: *See—*
Miyamoto, Keiji; Nakamura, Atsushi; Satoh, Tsuneo; Kojima, Kazuo; and Morita, Masayuki, 4,822,989, Cl. 235-492.000.
Satoh, Tsutomu: *See—*
Okada, Atsuyuki; Kubota, Kouhei; Satoh, Tsutomu; Gotoh, Hiroshi; and Oziro, Takeshi, 4,882,126, Cl. 420-516.000.
Satoh, Yasuo: *See—*
Senoo, Hideaki; Yamasaki, Takeshi; Satoh, Yasuo; and Sugaya, Mamoru, 4,877,688, Cl. 428-522.000.
Satoh, Yayoi; and Mizukami, Toshihiko, to NEC Corporation. Multipulse encoder including an inverse filter. 4,873,724, 10-10-89, Cl. 381-40.000.
Satoh, Yokichi: *See—*
Terada, Haruyoshi; Ono, Youji; Satoh, Yokichi; and Kaneko, Hideaki, 4,857,225, Cl. 252-100.000.
Satoh, Yoshikazu. Fluid delivery device for a machining center, and a machining center. 4,822,218, 4-18-89, Cl. 409-136.000.
Satoh, Yoshiki: *See—*
Sakai, Yoshimi; and Satoh, Yoshiki, 4,799,120, Cl. 360-132.000.

Satoh, Yoshiyuki; Kida, Shinji; Kimura, Hiroshi; and Otsuki, Masaaki, to Toshiba Silicone Co., Ltd. Lubricating composition and hydraulic fluid. 4,828,739, 5-9-89, Cl. 252-49.600.
Satoh, Yutaka: *See—*
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,965, Cl. 355-45.000.
Ishii, Kenjiro; Satoh, Yutaka; Fukumoto, Fumio; Otsuki, Hajime; Kokura, Yasuhide; and Saito, Shuichi, 4,857,966, Cl. 355-45.000.
Kimura, Kouji; Mitsuyuki, Hiroshi; Yamamoto, Akihiko; and Satoh, Yutaka, 4,850,726, Cl. 400-279.000.
Satoji, Fuminori: *See—*
Oki, Yoshio; Akatsuka, Takeo; and Satoji, Fuminori, 4,825,249, Cl. 355-15.000.
Satokata, Akihiko, to Olympus Optical Co., Ltd. Focusing and tracking error control system for an optical recording-reproducing device. 4,866,689, 9-12-89, Cl. 369-44.000.
Satome, Shigeru: *See—*
Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, 4,883,961, Cl. 250-327.200.
Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, to Matsushita Electric Industrial Co., Ltd. Amorphous magnetic head. 4,841,401, 6-20-89, Cl. 360-125.000.
Satomi, Mitsuo; and Kaminaka, Nobuyuki, to Matsushita Electric Industrial Co., Ltd. Method of making a crystallized glass-bonded amorphous metal magnetic film-non-magnetic substrate magnetic head. 4,847,983, 7-18-89, Cl. 29-603.000.
Satomi, Mitsuo: *See—*
Sakakima, Hiroshi; Osano, Koichi; Omata, Yuji; Satomi, Mitsuo; and Kugimiya, Koichi, 4,836,865, Cl. 148-306.000.
Satomi, Nobuyuki, to Nippon Oil & Fats Co., Ltd. Aqueous dispersion of organic peroxide. 4,842,765, 6-27-89, Cl. 252-186.260.
Satomi, Tomoaki: *See—*
Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,821,385, Cl. 29-148.40A.
Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,872,771, Cl. 384-492.000.
Satomura, Hiroshi: *See—*
Egami, Hidemi; Saito, Katsuo; and Satomura, Hiroshi, 4,798,997, Cl. 315-115.000.
Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.
Oikawa, Katsuya; Egami, Hidemi; Saitor, Katuo; and Satomura, Hiroshi, 4,797,598, Cl. 315-85.000.
Satomura, Masato; Iwakura, Ken; and Igarashi, Akira, to Fuji Photo Film Co., Ltd. Recording material. 4,847,236, 7-11-89, Cl. 503-208.000.
Satomura, Masato; Iwakura, Ken; Takashima, Masanobu; and Igarashi, Akira, to Fuji Photo Film Co., Ltd. Recording material and method for producing the same. 4,855,282, 8-8-89, Cl. 503-218.000.
Satomura, Masato: *See—*
Igarashi, Akira; Satomura, Masato; and Iwakura, Ken, 4,855,278, Cl. 503-208.000.
Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, 4,800,193, Cl. 503-217.000.
Takashima, Masanobu; Iwakura, Ken; Satomura, Masato; and Matsuoka, Katsumi, 4,808,566, Cl. 503-217.000.
Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakata, Yuichi; and Iwakura, Ken, 4,835,133, Cl. 503-210.000.
Satomura, Seiichiro; and Kotera, Masahide, to Canon Kabushiki Kaisha. Apparatus for reading a film image with controllable illumination and threshold value. 4,837,450, 6-6-89, Cl. 250-571.000.
Satomura, Seiichiro, to Canon Kabushiki Kaisha. Information data recovering apparatus. 4,860,324, 8-22-89, Cl. 375-122.000.
Satomura, Shigeyuki: *See—*
Katsumata, Azusa; and Satomura, Shigeyuki, 4,876,616, Cl. 360-53.000.
Satonaka, Kouichiro: *See—*
Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.
Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka, Teruaki; and Matsuda, Yasuo, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Voltage resonance type switching power source apparatus. 4,866,589, 9-12-89, Cl. 363-21.000.
Satoo, Tomiyoshi: *See—*
Wakabeyashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.
Satoshi, Hukuda: *See—*
Taisuke, Irie; Junichi, Kotegawa; Koichi, Watanabe; and Satoshi, Hukuda, 4,835,066, Cl. 428-659.000.
Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, to Hitachi, Ltd.; and Hitachi Tokyo Electronics Co., Ltd. Method for LPCVD of semiconductors using oil free vacuum pumps. 4,835,114, 5-30-89, Cl. 437-81.000.
Satou, Hideaki: *See—*
Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.
Satou, Hidetaka: *See—*
Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.
Satou, Hiroyuki, to Fuji Photo Film Co., Ltd. Masking device for use in photographic printing. 4,806,983, 2-21-89, Cl. 355-129.000.
Satou, Hiroyuki, to Fuji Photo Film Co., Ltd. Masking device for use in photographic printing. 4,857,962, 8-15-89, Cl. 355-29.000.
Satou, Hitoshi, to Kabushiki Kaisha Toshiba. Image display apparatus having a plurality of displays. 4,845,480, 7-4-89, Cl. 340-717.000.
Satou, Hitoshi, to Kabushiki Kaisha Toshiba. Multiple memory image display apparatus. 4,849,745, 7-18-89, Cl. 340-723.000.
Satou Kagaku Kougyou Kabushiki Kaisha: *See—*
Satou, Toshinori, 4,851,073, Cl. 156-516.000.
Satou, Kazuo; and Okazaki, Ken, to Mazda Motor Corporation. Method of producing a spheroidal graphite cast iron. 4,838,956, 6-13-89, Cl. 148-3.000.
Satou, Kazuo: *See—*
Okazaki, Ken; Satou, Kazuo; and Yamamoto, Junichi, 4,856,469, Cl. 123-90.510.
Satou, Kouichi: *See—*
Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.
Satou, Kouichirou, to Kabushiki Kaisha Toshiba. Facsimile apparatus. 4,849,823, 7-18-89, Cl. 358-474.000.
Satou, Makoto: *See—*
Kikuchi, Kenichi; Kawai, Yoshikane; Satou, Makoto; and Ishii, Hakumi, 4,832,364, Cl. 280-690.000.
Satou, Motohiro: *See—*
Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.
Satou, Nobuo: *See—*
Amano, Matsuo; Suda, Seiji; and Satou, Nobuo, 4,852,010, Cl. 364-431.030.
Satou, Shinichi: *See—*
Nagae, Akemi; Satou, Shinichi; Fukumoto, Takaaki; and Ohmori, Toshiaki, 4,820,650, Cl. 437-10.000.
Satou, Takeo; and Shimizu, Yasuhiko, to Kabushiki Kaisha Toshiba. Die-bonding method and apparatus therefor. 4,874,444, 10-17-89, Cl. 156-64.000.
Satou, Teruji: *See—*
Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, 4,829,321, Cl. 346-107.00R.
Satou, Toshinori, to Satou Kagaku Kougyou Kabushiki Kaisha. Apparatus for connecting tiles in sets. 4,851,073, 7-25-89, Cl. 156-516.000.
Satou, Yasushi: *See—*
Nagai, Toshinari; Masui, Takatoshi; Satou, Yasushi; and Katsuno, Toshiyasu, 4,831,838, Cl. 60-274.000.
Satou, Yukimasa; Yatsuo, Tsutomu; Oikawa, Saburo; and Sanpei, Isamu, to Hitachi, Ltd. Gate turn-off thyristor. 4,825,270, 4-25-89, Cl. 357-38.000.
Satou, Yuuji: *See—*
Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.
Satow, Aritomo; Masuda, Shinichi; Sugimoto, Kazuyoshi; and Muta, Yuji, to Sanyo Electric Co., Ltd. Scroll compressor having discharge part communicating with two compression spaces simultaneously. 4,886,434, 12-12-89, Cl. 418-55.00D.
Satow, Arnold: *See—*
Coch, Lester G.; and Satow, Arnold, 4,880,132, Cl. 220-83.000.
Satoya, Koichi: *See—*
Harada, Kenichi; Uchitani, Nobuki; Kamohara, Tatuyoshi; Satoya, Koichi; and Kato, Takashi, 4,819,601, Cl. 123-438.000.
Satoya, Kouichi: *See—*
Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.
Satrind S.r.l.: *See—*
Rota, Fabio, 4,824,028, Cl. 241-24.000.
Satronic, AG: *See—*
Konrad, Manfred, 4,868,521, Cl. 331-1.00R.
Satsukawa, Hideaki: *See—*
Sakagawa, Hiroaki; and Satsukawa, Hideaki, 4,868,725, Cl. 362-231.000.
Satsumi, Shinroku: *See—*
Terai, Akio; Yoshino, Junichi; Satsumi, Shinroku; and Taniguchi, Mitsuru, 4,881,363, Cl. 56-255.000.
Satt Communications AB: *See—*
Tengstrand, Goran; Lindblom, Boris; Nilsson, Jerry; and Lunden, Peter, 4,878,561, Cl. 181-18[illegible].000.
Sattelmayer, Thomas: *See—*
Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,838,783, Cl. 431-284.000.
Fuglistaller, Cornel; Keller, Jakob; and Sattelmayer, Thomas, 4,850,194, Cl. 60-737.000.
Keller, Jakob; and Sattelmayer, Thomas, 4,867,674, Cl. 431-351.000.
Sattelmeyer, Richard, to Hoechst Aktiengesellschaft. Rubber vulcanizates having reduced heat evolution when subjected to dynamic deformation, a process for their preparation and their use. 4,837,266, 6-6-89, Cl. 524-511.000.

- Satten, Michael I.: *See—*
  - Lehmann, Roger W.; and Satten, Michael I., 4,799,915, Cl. 446-279.000.
  - Lehmann, Roger W.; and Satten, Michael I., 4,817,209, Cl. 2-19.000.
  - Lehmann, Roger W.; and Satten, Michael I., 4,865,318, Cl. 273-26.00R.
- Satterfield, Donald D., to Kimstock, Inc. Spa with an improved air channel and method for constructing same. 4,811,434, 3-14-89, Cl. 4-543.000.
- Satterfield, Roy E. Size adjustable hat. 4,815,148, 3-28-89, Cl. 2-197.000.
- Sattin, William; and Gatchalian, Eric E., to Picker International, Inc. Audio coded imaging. 4,818,938, 4-4-89, Cl. 324-309.000.
- Sattin, William, to Picker International, Inc. Simultaneous multislice-multiangle images without saturation bands. 4,847,560, 7-11-89, Cl. 324-309.000.
- Sattin, William, to Picker International, Inc. High signal-to-noise, rapid calibration of RF pulses. 4,866,386, 9-12-89, Cl. 324-314.000.
- Sattin, William, to Picker International, Inc. Quick imaging scheme utilizing differently phase encoded primary and stimulated echoes. 4,884,029, 11-28-89, Cl. 324-309.000.
- Sattinger, Stanley S.: *See—*
  - Slattery, Duard G., Jr.; Sattinger, Stanley S.; and DeJong, Richard G., 4,825,712, Cl. 74-443.000.
- Sattlegger, Hans: *See—*
  - Achtenberg, Theo; Metzinger, Hans-Gerd; Sattlegger, Hans; Sockel, Karl-Heinz; and Weber, Wilhelm, 4,870,130, Cl. 524-787.000.
- Sattler, Gunther; and Hauke, Gunter, to Merck Patent Gesellschaft mit Beschrankter Haftung. Chromatography column. 4,806,238, 2-21-89, Cl. 210-198.200.
- Sattler, Hans-Peter; and Nichtweiss, Bernd, to Metallgesellschaft Aktiengesellschaft. Process of separating special steel components from lump shredder scrap. 4,883,584, 11-28-89, Cl. 209-38.000.
- Sattler, Theodore J.: *See—*
  - Lubranski, Leon; and Sattler, Theodore J., 4,841,630, Cl. 29-827.000.
- Sattmann, Karl. Automatic cylinder profiling gage. 4,872,269, 10-10-89, Cl. 33-552.000.
- Sattrup, Jens E.; and Brondsted, Ole, to Sattrup, Jens Erik. Method of producing a surface sleeve for a plate cylinder for printing purposes. 4,812,219, 3-14-89, Cl. 101-375.000.
- Sattrup, Jens Erik: *See—*
  - Sattrup, Jens E.; and Brondsted, Ole, 4,812,219, Cl. 101-375.000.
- Saturn Corporation: *See—*
  - Baker, Charles R.; and Nelson, Albert B., 4,827,881, Cl. 123-196.00R.
  - Corbett, Thomas J.; Everhart, Vaughn D.; and Smith, Michele A., 4,832,366, Cl. 280-808.000.
  - Keller, John F., 4,834,433, Cl. 292-336.300.
  - Kingsley, Richard J., 4,817,976, Cl. 280-154.000.
  - Kingsley, Richard J., 4,842,320, Cl. 296-95.100.
  - Milunas, Rimas S., 4,843,551, Cl. 364-424.100.
  - Nitz, Larry T., 4,805,750, Cl. 192-3.580.
  - Pinch, William D.; and Dolengowski, Douglas A., 4,810,003, Cl. 280-668.000.
- Satz, William. Container and closure. 4,846,366, 7-11-89, Cl. 220-355.000.
- Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, to Godecke Aktiengesellschaft. N-phenylbenzamide derivatives. 4,816,485, 3-28-89, Cl. 514-619.000.
- Satzinger, Gerhard; Herrmann, Manfred; Fritschi, Edgar; and Weiershausen, Ute, to Godecke Aktiengesellschaft. N-phenylbenzamide derivatives. 4,857,662, 8-15-89, Cl. 564-168.000.
- Satzinger, Gerhard: *See—*
  - Weiershausen, Ute; Ganser, Volker; and Satzinger, Gerhard, 4,861,770, Cl. 514-211.000.
- Satzler, Ronald L.: *See—*
  - Price, Robert J.; Gee, James E.; Tonsor, Andrew J.; Satzler, Ronald L.; and Stevens, Samuel B., 4,838,373, Cl. 180-9.460.
- Sau, Arjun C.: *See—*
  - Lukach, Carl A.; and Sau, Arjun C., 4,853,437, Cl. 525-54.210.
- Sauber, R. Stuart; and Horvath, Paul J., to White Consolidated Industries, Inc. Room air conditioner. 4,800,734, 1-31-89, Cl. 62-263.000.
- Saubolle, Malcolm; De Blasi, Italo; and Livshitz, Stanley. Rate of ascent monitor using piezoelectric transducer. 4,820,953, 4-11-89, Cl. 310-338.000.
- Saubolle, Malcolm C. Low cost appliance for continuously monitoring levels of ionizing radiation in premises for human occupation. 4,818,884, 4-4-89, Cl. 250-388.000.
- Saucy, Gabriel G.: *See—*
  - Chan, Ka-kong; and Saucy, Gabriel G., 4,831,185, Cl. 560-85.000.
  - Chan, Ka-Kong; and Saucy, Gabriel G., 4,855,085, Cl. 260-396.00R.
- Saude, Gerald B.: *See—*
  - Davis, Harold A.; and Saude, Gerald B., 4,852,809, Cl. 239-654.000.
- Sauder, James W.: *See—*
  - Priola, James W.; and Sauder, James W., 4,861,032, Cl. 292-346.000.
- Sauer, Anton; Schmidtke, Frank; and Thinschmidt, Hans, to Siemens Aktiengesellschaft. Network comprising a multitude of optical signal transmission lines connectible to one another via optical mixers. 4,832,434, 5-23-89, Cl. 350-96.160.
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  - Saueressig, Karl W., 4,864,926, Cl. 101-153.000.
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  - Bartlett, Randall N.; Case, Robert; Sauls, John; Jenkins, Arden; and McNew, James, 4,824,190, Cl. 312-138.00R.
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  - Saunders, Eugene F., 4,865,007, Cl. 124-41.00A.
- Saunders, Charles A. Combination arrow rest and arrow shaft guide. 4,809,669, 3-7-89, Cl. 124-24.00R.
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  - Miller, Theodore E., Jr.; and Saunders, Frank L., 4,813,280, Cl. 73-861.950.
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- Saunders, Howard E.: *See—*
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- Saunders, John H. Control system with memory for electric guitars. 4,817,486, 4-4-89, Cl. 84-1.150.
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- Saunders, Noah J., Sr. Apparatus for exclusion of debris from bottom trawls. 4,869,010, 9-26-89, Cl. 43-9.200.
- Saunders, Raymond: *See—*
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- Saunders, Stephen R. Compensating training wheel assembly for a bicycle. 4,810,000, 3-7-89, Cl. 280-293.000.
- Saunders, Stuart D. Portable wireless sound reproduction system. 4,829,500, 5-9-89, Cl. 369-5.000.
- Saunders, Ted G. Apparatus for displaying depth sounding data with nautical range. 4,837,750, 6-6-89, Cl. 367-111.000.
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- Saunders, William T.; and Livingston, Warren D., to Weirton Steel Corporation. Composite-coated flat-rolled steel can stock and can product. 4,812,365, 3-14-89, Cl. 428-469.000.
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- Saupe, Juergen: *See—*
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Saurwein, Albert C. Check valve assembly for fluid pressure intensifying apparatus. 4,818,194, 4-4-89, Cl. 417-567.000.
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Saussier, Daniel: *See—*
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Saussine, Lucien: *See—*
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  Schulz, Guenter; and Sauter, Hubert, 4,870,205, Cl. 560-254.000.
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Sauter, Robert: *See—*
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Sauvaget, Jean-Claude. Device for mounting parallel planar filtration sleeves in series for water purification. 4,814,080, 3-21-89, Cl. 210-323.200.
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Sauve-Frankel, Ginette: *See—*
  Frankel, Hugh; Sauve-Frankel, Ginette; and Aubut, Christian, 4,805,087, Cl. 364-474.220.
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Sauveur, Marie-Joseph G. Dam frame for use during endodontic surgery. 4,820,155, 4-11-89, Cl. 433-136.000.
Sauvinet, Vincent; Bletry, Jean; Bonnaud, Micheline; and Trouve, Maurice, to Saint-Gobian Vitrage. Method for coating a substrate with an electrically conductive layer. 4,859,499, 8-22-89, Cl. 427-108.000.
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Savage, David S.; Sleigh, Thomas; and Clark, John K., to Akzona Incorporated. Biologically active tricyclic compounds and pharmaceutical compositions containing same. 4,801,753, 1-31-89, Cl. 564-426.000.
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Savage, Edward C., to Xerox Corporation. Xerographic process without conventional cleaner. 4,800,147, 1-24-89, Cl. 430-125.000.
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Savage, Ross: *See—*
  Scholl, Thomas; Serini, Volker; Rathmann, Dietrich; Savage, Ross; and Kircher, Klaus, 4,797,435, Cl. 524-89.000.
Savage, Russell C.; Zeller, Gary P.; and Skirha, Martin D., to General Motors Corporation. Composite tread for track-laying vehicles 4,844,561, 7-4-89, Cl. 305-35.00R.
Savage, Russell C.; Zeller, Gary P.; and Skirha, Martin D., to General Motors Corporation. Composite tread for track-laying vehicles 4,880,283, 11-14-89, Cl. 305-35.00R.
Savage, Shaun V. V.; and Harris, Johnny M., to Unisys Corporation. Direct memory access controller for improved system security, memory to memory transfers, and interrupt processing. 4,797,851, 1-10-89, Cl. 364-900.000.
Savage, Steven J.: *See—*
  Eylon, Daniel; and Savage, Steven J., 4,869,469, Cl. 266-202.000.
Savaglio, Robert J.; and Twombly, Peter A., to International Business Machines Corporation. Processing pulse control circuit for use in device performing signature analysis of digital circuits. 4,864,570, 9-5-89, Cl. 371-22.400.
Savale, Yves. System for assembling panels in various angular positions and panels suitable for the use of this system. 4,856,928, 8-15-89, Cl. 403-217.000.
Savall, Jose; Parmentier, Claude; and Amelot, Bernard, to Freyssinet International (Stup). Frustoconic anchoring jaws for cables and their methods of manufacture. 4,835,822, 6-6-89, Cl. 24-122.600.
Savard, Donald D., to Interprovincial Pipe Line Company. Vapor plug for temporarily sealing or plugging a pipeline. 4,875,615, 10-24-89, Cl. 228-119.000.
Savard, Donald D., to Interprovincial Pipe Line Company. Method of controlling hardness of pipe weld-joints by radially inserting insulating rings prior to tempering heat-treatment. 4,885,044, 12-5-89, Cl. 148-127.000.
Savariego, Meir. Actuation device for a plurality of chemical light sources. 4,796,161, 1-3-89, Cl. 362-34.000.
Savary, Fernand, to Framatome. Nuclear reactor control bar drive device. 4,816,206, 3-28-89, Cl. 376-228.000.
Savary, Fernand, to Framatome. Neutron absorbing bar damping device. 4,826,648, 5-2-89, Cl. 376-225.000.
Savary, Pierre: *See—*
  Camiade, Marc; Bert, Alain; and Savary, Pierre, 4,868,526, Cl. 331-117.0FE.
Savas, Keith G.: *See—*
  Bishop, Jerry W.; Savas, Keith G.; and Wilson, Wendell G. 4,860,555, Cl. 62-376.000.
Savas, Nedim: *See—*
  Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,852,839, Cl. 248-225.100.
  Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kain, Richard S., 4,854,535, Cl. 248-225.200.
  Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, 4,858,774, Cl. 211-184.000.
Savas, Nick: *See—*
  Haque, Sazzadul; Floyd, Thomas O.; Savas, Nick; and Kelz, Walter H., 4,875,812, Cl. 407-104.000.
Savas, Peter G.; Kiger, Virginia S.; and Boudreau, Ronald R., to Xydex Corporation. Piston filtering device. 4,800,020, 1-24-89, Cl. 210-359.000.
Savas, Peter G.; and Kiger, Virginia S., to Genex Corp. Filtering device for dispensing and filtering from samples. 4,859,336, 8-22-89, Cl. 210-416.100.
Savastano, Thomas A., Jr. Fish chunk-cutting device. 4,794,670, 1-3-89, Cl. 17-61.000.
Saveliev, Viktor S.: *See—*
  Beresnev, Alexei S.; Serykh, Leonid A.; Saveliev, Viktor S.; Volkoedov, Valery S.; and Stupin, Igor V., 4,855,563, Cl. 219-121.390.
Savenije, Eustachius P. W., to U.S. Philips Corp. Shaving apparatus. 4,847,995, 7-18-89, Cl. 30-34.200.
Savenije, Franciscus G., to Auping B.V. Resilient body. 4,862,540, 9-5-89, Cl. 5-475.000.
Savenije, Franciscus G., to Auping B.V. Fluid filled mattress with height measuring and control devices. 4,873,737, 10-17-89, Cl. 5-453.000.
Savick, Wayne K.: *See—*
  Mayer, Daniel W.; Loebig, Craig K.; and Savick, Wayne K., 4,852,389, Cl. 73-38.000.
Saviez, Joseph. Padding body constituted of individual modular elements, and its application to the production of seats and of removable cushions or back-rests. 4,809,374, 3-7-89, Cl. 5-420.000.
Savill, Anthony M., to Rolls-Royce plc. Boundary layer devices. 4,863,121, 9-5-89, Cl. 244-200.000.
Savill, Anthony M., to Rolls-Royce plc. Boundary layer devices. 4,865 271, 9-12-89, Cl. 244-130.000.
Savill, Robert F., Jr.: *See—*
  Willen, William S.; Savill, Robert F., Jr.; and Hacker, Martin F., 4,853,515, Cl. 219-121.470
Saville, Duane E.: *See—*
  Visalli, William R.; Saville, Duane E.; and Quashnick, Terry, 4,825,812, Cl. 119-64.000.
Saville, Mark K.; Gorak, William J., Jr.; and Bove, Ronald L., to W. L. Gore & Associates, Inc. Breathable, non-linting laminate. 4,816,328, 3-28-89, Cl. 428-246.000.
Savin Corporation: *See—*
  Bestow, Francis M.; and Hoffman, William C., 4,809,969, Cl. 271-258.000.
  Gardiner, Kenneth W.; Hori, Tatsu; and Mangal, Norman F., 4,890,135, Cl. 355-299.000.
  Landa, Benzion; Ben-Auraham, Peretz; Hall, Joseph; and Gibson, George A., 4,842,974, Cl. 430-137.000.
  Landa, Benzion; Blake, Christopher J.; Housworth, Gerald R.; and Lior, Shai, 4,871,163, Cl. 271-225.000.
  Simms, Robert M.; and Gibson, George A., 4,860,924, Cl. 222-56.000.
Savin, Gerard: *See—*
  Guennet, Patrice; Kawamura, Tetsuchi; Savin, Gerard; Poncet, Sabine; and Castera, Charles, 4,880,552, Cl. 252-34.000.
Savina, Michael R.: *See—*
  Shannon, David M.; Savina, Michael R.; and Thumma, Ira M., 4,795,336, Cl. 425-145.000.
Savinell, Alan: *See—*
  Wood, John D.; Savinell, Alan; Roth, Charles H., Jr.; Ellingson, Frederick J.; and Dailey, George F., 4,822,554, Cl. 376-261.000.
Savini, Charles: *See—*
  Yeh, Chuen Y.; and Savini, Charles, 4,876,392, Cl. 568-404.000.
Savino, Carolyn A., to Nalco Chemical Company. Paper making filler composition and method. 4,874,466, 10-17-89, Cl. 162-164.300.
Savino, Thomas. Bridge sway and deflection detection system. 4,843,372, 6-27-89, Cl. 340-540.000.
Savins, J. George; Hugenberger, Scott G.; and Wilson, Peggy M., to Mobil Oil Corporation. Method of improving performance of gas-liquid separators. 4,880,444, 11-14-89, Cl. 55-36.000.
Savio, S.p.A.: *See—*
  Bini, Franco, 4,864,833, Cl. 66-55.000.
  Boller, Giorgio; Ferro, Francesco; and Colli, Luigi, 4,854,509, Cl. 242-18.00R.
  Boller, Giorgio; Montali, Sergio; and Colli, Luigi, 4,854,513, Cl. 242-18.00R.
  Colli, Luigi; and Monego, Sergio, 4,809,927, Cl. 242-150.00R.
  Colli, Luigi, 4,856,268, Cl. 57-58.520.
  Colli, Luigi; Badiali, Roberto; and Franci, Giosue, 4,865,260, Cl. 242-35.50A.
  Colli, Luigi, 4,871,072, Cl. 209-656.000.
  Galbani, Benito, 4,883,177, Cl. 206-391.000.
  Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,511, Cl. 242-18.0DD.
  Montali, Sergio; Boller, Giorgio; and Colli, Luigi, 4,854,512, Cl. 242-18.0DD.
  Montali, Sergio; Ferro, Francesco; and Colli, Luigi, 4,858,837, Cl. 242-18.00R.
  Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,510, Cl. 242-18.0DD.
  Romanin, Bruno; Ferro, Francesco; and Colli, Luigi, 4,854,514, Cl. 242-18.00R.
Saviotti, Vanni: *See—*
  Siligoni, Marco; Saviotti, Vanni; and Lorena, Emilio, 4,841,565, Cl. 379-413.000.
  Siligoni, Marco; Saviotti, Vanni; and Lavoisard, Jean-Louis, 4,847,896, Cl. 379-253.000.
Savnik, Davorin. Angled head hammer. 4,882,955, 11-28-89, Cl. 81-20.000.
Savoca, Robert C., to Barnes Engineering Company. Fan scan horizon sensor for a spin stabilized satellite. 4,827,422, 5-2-89, Cl. 364-459.000.
Savoca, Samuel E.: *See—*
  Savoca, Sebastian E.; and Savoca, Samuel E., 4,852,276, Cl. 36-136.000.
Savoca, Sebastian E.; and Savoca, Samuel E. Shoe having a replaceable logo. 4,852,276, 8-1-89, Cl. 36-136.000.
Savolainen, Eero, to Valmet Paper Machinery Inc. Method and device for renewal of an inner face of a roll mantle of a suction roll. 4,862,648, 9-5-89, Cl. 51-290.000.
Savoly, Arpad: *See—*
  Garvey, Christopher M.; Savoly, Arpad; and Weatherford, Thomas M., 4,814,389, Cl. 525-329.900.
Savory, Rudolph R.: *See—*
  Ryan, Douglas G.; Trust, Donald B.; and Savory, Rudolph R., 4,820,400, Cl. 208-38.000.
Savov, Rosen P.: *See—*
  Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.
Savoy Leather Manufacturing Corporation: *See—*
  Howard, William A., 4,819,801, Cl. 206-387.000.
Savoyet, Jean-Louis, to Societe Civile de Brevets, J.L.S. Method and device for automatic spectrometric analysis of a liquid, particularly of milk. 4,855,601, 8-8-89, Cl. 250-339.000.
Savu, Patricia M.: *See—*
  Flynn, Richard M.; and Savu, Patricia M., 4,889,656, Cl. 252-356.000.
Savvateev, Konstantin L.: *See—*
  Babaian, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Metelitsa, Vladimir I.; Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., 4,842,854, Cl. 424-81.000.
Savyon Diagnostics Limited: *See—*
  Ben-Michael, Abraham, 4,849,342, Cl. 435-7.000.
  Ben-Michael, Abraham, 4,886,760, Cl. 436-66.000.
Sawa, Eiji; Moriya, Susumu; Fukuda, Hiroya; and Ohashi, Takashi, to Bridgestone Corporation. Laminated product. 4,842,926, 6-27-89, Cl. 428-224.000.
Sawa, Hidenori: *See—*
  Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.
Sawa, Hiroshi: *See—*
  Kawai, Hironobu; and Sawa, Hiroshi, 4,851,819, Cl. 340-630.000.
Sawa, Ikuo: *See—*
  Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, 4,857,468, Cl. 435-280.000.
Sawa, Kiyohiko: *See—*
  Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
Sawa, Masahiko: *See—*
  Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmuro, Hideaki; and Ohryo, Akira, 4,877,946, Cl. 235-380.000.
  Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmuro, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.
Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, Singi; Miyauchi, Yukio; and Ito, Masayuki, to Shikoku Chemicals Corporation. Production of 1-aminoethyl-imidazoles via the hydrolysis of 1-acylaminoethylimidazoles. 4,826,991, 5-2-89, Cl. 548-341.000.
Sawa, Shiro: *See—*
  Mitsumaru, Michitoshi; Furukawa, Keiichi; Ojima, Teruo; and Sawa, Shiro, 4,824,324, Cl. 415-170.00A.
Sawa, Takao; Hashimoto, Susumu; and Inomata, Koichiro, to Kabushiki Kaisha Toshiba. High permeability amorphous magnetic material. 4,859,256, 8-22-89, Cl. 148-304.000.
Sawa, Tsutomu: *See—*
  Sato, Koichi; and Sawa, Tsutomu, 4,889,240, Cl. 209-534.000.
Sawa, Utaji: *See—*
  Sekiguchi, Tadao; Sawa, Utaji; and Wada, Kazunori, 4,869,787, Cl. 204-1.00T.
Sawabe, Kosaku: *See—*
  Yamaguchi, Kunihisa; Nishi, Kohichi; Tsurukawa, Ikuya; and Sawabe, Kosaku, 4,847,648, Cl. 354-195.120.
Sawabe, Toichiro: *See—*
  Ito, Katsuo; Sawabe, Toichiro; and Maeda, Youji, 4,870,701, Cl. 455-326.000.
Sawada, Akihiro: *See—*
  Hatta, Naoyuki; Yoshihara, Hideo; Izaki, Takeshi; Sawada, Akihiro; Yamamoto, Takemi; and Sangyoji, Kazuo, 4,797,107, Cl. 434-408.000.
Sawada, Daisaku, to Toyota Jidosha Kabushiki Kaisha. Variable cross-section piezoelectric actuator. 4,814,659, 3-21-89, Cl. 310-328.000.
Sawada, Daisaku; and Takahashi, Takeshi, to Toyota Jidosha Kabushiki Kaisha. Device for varying a stroke. 4,858,439, 8-22-89, Cl. 60-583.000.
Sawada, Daisaku: *See—*
  Shigematsu, Takashi; Watanabe, Tomoyuki; Tokoro, Setsuo; and Sawada, Daisaku, 4,817,469, Cl. 74-866.000.
Sawada, Eiji: *See—*
  Yoshida, Shuichi; Sawada, Eiji; and Jinno, Akio, 4,816,228, Cl. 422-159.000.
Sawada, Hachiro, to NEC Corporation. Device for producing an output image while giving an original image a rotation of 90, 180, or 270. 4,806,920, 2-21-89, Cl. 340-727.000
Sawada, Hiroaki: *See—*
  Mochida, Naoki; and Sawada, Hiroaki, 4,888,147, Cl. 264-207.000.

Sawada, Hiroki: *See*—
Ogino, Hidekazu; Kamitani, Hiroshi; Kamegai, Jun; Sawada, Hiroki; Hirota, Hajime; and Kurosaki, Tomihiro, 4,803,010, Cl. 252-174.210.
Sawada, Hiroshi; and Merson, Richard L., to Nakamura & Partners. Process for preparing heat treated granular solid food. 4,882,188, 11-21-89, Cl. 426-438.000.
Sawada, Hiroshi: *See*—
Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shinagawa, Noriteru; and Itano, Jiro, 4,856,048, Cl. 379-60.000.
Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, to Matsushita Graphic Communication Systems, Inc. Method for recording data on non-defective sectors of an optical disk. 4,839,879, 6-13-89, Cl. 369-54.000.
Sawada, Kazuhiro; and Sakurai, Takayasu, to Kabushiki Kaisha Toshiba. Intermediate potential generating circuit. 4,812,735, 3-14-89, Cl. 323-313.000.
Sawada, Kazuhiro; and Sakurai, Takayasu, to Kabushiki Kaisha Toshiba. Semiconductor memory control circuit. 4,827,453, 5-2-89, Cl. 365-222.000.
Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, to Sumitomo Electric Industries, Ltd. Method of producing an electrical conductor. 4,815,309, 3-28-89, Cl. 72-47.000.
Sawada, Kazuo; Hitotsuyanagi, Hajime; and Ohkura, Kengo, to Sumitomo Electric Industries, Ltd. Ceramic superconductor and light transmitting composite wire. 4,842,366, 6-27-89, Cl. 350-96.300.
Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, to Sumitomo Electric Industries, Ltd. Electrical conductor. 4,859,811, 8-22-89, Cl. 174-126.200.
Sawada, Kazuo: *See*—
Nishio, Masanobu; Sawada, Kazuo; Yamauchi, Kazuhisa; and Yosimura, Saburo, 4,804,153, Cl. 242-78.100.
Sawada, Kenichi: *See*—
Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.
Sawada, Kenji: *See*—
Koto, Haruhiko; Okada, Junichi; Ishii, Hiroshi, and Sawada, Kenji, 4,806,955, Cl. 346-140.00R.
Sutoh, Hiroki; and Sawada, Kenji, 4,803,317, Cl. 200-438.000.
Sawada, Kenzo: *See*—
Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
Sawada, Kiyoshi: *See*—
Kato, Kunioki; Kawamura, Masao; Goda, Hiroshi; Sawada, Kiyoshi; and Hamatani, Kazuhiro, 4,853,158, Cl. 562-46.000.
Sugaiwa, Takayuki; Kinoshita, Akira; and Sawada, Kiyoshi, 4,842,971, Cl. 430-64.000.
Sawada, Kohei: *See*—
Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,376,262, Cl. 514-318.000.
Sawada, Koichi: *See*—
Kumasaka, Taiichi; Hirano, Yasuyuki; Ozaki, Katsuhiko; and Sawada, Koichi, 4,799,416, Cl. 83-397.000.
Sawada, Koji, to Nippon Engineer Service Kabushiki Kaisha. Underground tank with leak detection mechanism. 4,798,496, 1-17-89, Cl. 405-53.000.
Sawada, Koji, to Nippon Engineer Service Kabushiki Kaisha. Underground tank with leak detection mechanism. 4,836,710, 6-6-89, Cl. 405-54.000.
Sawada, Kouji: *See*—
Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.
Sawada, Kozo: *See*—
Hashimoto, Masashi; Oku, Teruo; Ito, Yoshikuni; Namiki, Takayuki; Sawada, Kozo; Kasahara, Chiyoshi; and Baba, Yukihisa, 4,883,800, Cl. 514-259.000.
Sawada, Manabu: *See*—
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Sawada, Masahiro: *See*—
Ikeda, Hayato; Hoshino, Tatsuyuki; and Sawada, Masahiro, 4,863,356, Cl. 417-269.000.
Sawada, Masayuki: *See*—
Kakimoto, Yukihiko; Sawada, Masayuki; Kajimoto, Yoshiaki; and Kiguchi, Isamu, deceased, 4,875,909, Cl. 55-40.000.
Sawada, Nobuo; and Asai, Hiroko, to Kabushiki Kaisha Toshiba. Data input apparatus for picture data base management system. 4,843,569, 6-27-89, Cl. 364-518.000.
Sawada, Nobuyoshi; and Takeshima, Kenji, to Origin Co., Ltd. Framing bar connector for a frame. 4,820,077, 4-11-89, Cl. 403-402.000.
Sawada, Nobuyoshi; and Takeshima, Kenji, to Origin Co., Ltd. Framing bar connecting method. 4,825,529, 5-2-89, Cl. 29-525.100.
Sawada, Norihasu: *See*—
Matsuo, Takao; and Sawada, Norihasu, 4,863,550, Cl. 156-353.000.
Sawada, Noriyasu: *See*—
Hamamura, Fumio; Sawada, Noriyasu; and Fukuda, Ichio, 4,848,692, Cl. 242-68.300.
Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, 4,844,772, Cl. 156-497.000.
Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, 4,885,048, Cl. 156-552.000.
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Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
Sawada, Ryoji: *See*—
Nakamura, Tomoji; Sawada, Ryoji; and Nakamura, Kazuhiro, 4,821,567, Cl. 73-182.000.
Sawada, Shigeki; and Shishido, Masaaki, to Kurita Water Industries Ltd. Spiral wound type membrane module. 4,834,881, 5-30-89, Cl. 210-321.740.
Sawada, Shinichi; Matsushita, Tetsuya; and Isoyama, Toyoshiro, to Chisso Corporation. Liquid crystal composition. 4,877,549, 10-31-89, Cl. 252-299.630.
Sawada, Shinichi: *See*—
Saito, Hideo; Sawada, Shinichi; and Furukawa, Kenji, 4,822,519, Cl. 252-299.610.
Sawada, Shizuo: *See*—
Maeda, Satoshi; and Sawada, Shizuo, 4,833,647, Cl. 365-182.000.
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Sawada, Shuichi: *See*—
Kono, Koichi; Okamoto, Kenkichi; Iwasaki, Rumi; and Sawada, Shuichi, 4,873,034, Cl. 264-41.000.
Sawada, Tadashi: *See*—
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.
Sawada, Takamasa: *See*—
Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osamu; Yagi, Tadashi; and Hayakawa, Yasuyoshi, 4,888,620, Cl. 355-211.000.
Ohuchi, Osamu; and Sawada, Takamasa, 4,866,487, Cl. 355-313.000.
Sawada, Takanori: *See*—
Akasaka, Akio; Suga, Seiji; and Sawada, Takanori, 4,811,698, Cl. 123-90.170.
Sawada, Takashi: *See*—
Komori, Keiji; Ohta, Masaru; Sawada, Takashi; and Matsuo, Masaaki, 4,835,576, Cl. 355-40.000.
Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, to Canon Kabushiki Kaisha; and Tohoku Steel Co., Ltd. Magnetic recording medium. 4,835,069, 5-30-89, Cl. 428-694.000.
Sawada, Tetsuya: *See*—
Tokuno, Masateru; Sawada, Tetsuya; Gotou, Sadaaki; and Fukaya, Toshihiro, 4,795,297, Cl. 414-795.400.
Sawada, Toru: *See*—
Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, 4,831,479, Cl. 360-105.000.
Sawada, Toshiaki, to Yoshida Kogyo K. K. Apparatus for manufacturing bidirectionally openable slide fasteners. 4,809,414, 3-7-89, Cl. 29-33.200.
Sawada, Toshiki: *See*—
Miyata, Shigeru; and Sawada, Toshiki, 4,884,066, Cl. 340-633.000.
Sawada, Tsutomu: *See*—
Yoshizawa, Katsuyuki; and Sawada, Tsutomu, 4,848,505, Cl. 180-197.000.
Sawada, Yasuo; and Machida, Hajime, to Ricoh Company, Ltd. Magneto-optical recording medium. 4,839,226, 6-13-89, Cl. 428-336.000.
Sawada, Yasushi: *See*—
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Sawada, Yoshiaki: *See*—
Kageyama, Yoshiteru; and Sawada, Yoshiaki, 4,808,216, Cl. 75-0.50A.
Sawada, Yoshikazu: *See*—
Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
Sawafuji Electric Co., Ltd.: *See*—
Osada, Masahiro; Tanuma, Toshihiko; Yoshida, Takashi; and Kobiyama, Hiroshi, 4,851,758, Cl. 322-63.000.
Sawafuji, Susumu: *See*—
Honda, Katsuo; Sawafuji, Susumu; and Tomita, Tomio, 4,838,23 Cl. 125-15.000.
Honda, Katsuo; and Sawafuji, Susumu, 4,852,304, Cl. 51-5.00C.
Sawaguchi, Naozi: *See*—
Kishibata, Kazuo; and Sawaguchi, Naozi, 4,834,299, Cl. 241-5.000.
Sawahata, Kazuo; and Kanamaru, Hisanobu, to Hitachi, Ltd. Method of producing helical internal gear. 4,864,427, 12-5-89, Cl. 72-82.000.
Sawahata, Mamoru: *See*—
Soga, Tasao; Goda, Marahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawahata, Mamoru, 4,825,284, Cl. 357-80.000.
Sawahata, Youichi: *See*—
Yaginuma, Kenji; Sawahata, Youichi; and Suenobu, Tadayuki, 4,864,716, Cl. 29-596.000.
Sawai, Eisuke: *See*—
Satomi, Mitsuo; Kuroe, Akio; Sawai, Eisuke; Higashionji, Masaru; Sakakima, Hiroshi; and Kondo, Kenji, 4,841,401, Cl. 360-125.000.

Sawai, Hiroyuki: *See*—
Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.
Sawai, Kiichi; Kurono, Masayasu; Awaya, Juichi; Kojima, Akio; and Ninomiya, Hideaki, to Sanwa Kagaku Kenkyusho Co., Ltd. Composition containing organogermanium compound and immunity adjusting agent comprising the composition. 4,889,715, 12-26-89, Cl. 424-80.000.
Sawai, Kiichi: *See*—
Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.
Kurono, Masayasu; Baba, Yutaka; Mitani, Takahiko; Onishi, Masao; Kondo, Yasuaki; and Sawai, Kiichi, 4,857,521, Cl. 514-206.000.
Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Ozawa, Hiroshi; Mitani, Takahiko; Jomori, Takahito; Koketsu, Masahiko; Michishita, Hisashi; and Sawai, Kiichi, 4,868,189, Cl. 514-274.000.
Kurono, Masayasu; Unno, Ryoichi; Matsumoto, Yukiharu; Kondo, Yasuaki; Mitani, Takahiko; Jomori, Takahito; Michishita, Hisashi; and Sawai, Kiichi, 4,870,062, Cl. 514-63.000.
Kurono, Masayasu; Unno, Ryoichi; Kimura, Hiromoto; Oka, Mitsuru; Hasegawa, Keiko; Ikeda, Shinichi; Kuboyama, Noboru; Ito, Takashi; Sawai, Kiichi; and Ito, Shunshuke, 4,871,740, Cl. 514-255.000.
Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hiroshi; Yamamura, Michio; and Muramatsu, Shigeru, to Matsushita Electric Industrial Co., Ltd. Scroll compressor with intermittent oil supply passage. 4,886,435, 12-12-89, Cl. 418-55.000.
Sawai, Mamoru; Watanabe, Mitsugu; and Kubota, Mitsuji, to Yazaki Corporation. Controller-including wiring apparatus for automotive vehicle. 4,850,884, 7-25-89, Cl. 439-76.000.
Sawai, Mamoru: *See*—
Sugiyama, Masaaki; and Sawai, Mamoru, 4,815,984, Cl. 439-211.000.
Sawai, Masaaki, to Hitachi, Ltd. Semiconductor laser chip having a layer structure to reduce the probability of an ungrown region. 4,849,982, 7-18-89, Cl. 372-46.000.
Sawai, Minoru: *See*—
Okuyama, Koji; and Sawai, Minoru, 4,867,434, Cl. 271-42.000.
Sawai, Nobumitsu: *See*—
Ito, Shigekazu; Masuda, Katsumi; Kusano, Shoji; Nagata, Toshihiro; Kojima, Yoshiyuki; Sawai, Nobumitsu; and Maeno, Shin-ichiro, 4,814,338, Cl. 514-275.000.
Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, 4,866,064, Cl. 514-258 000.
Sawai Pharmaceutical Co., Ltd.: *See*—
Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.
Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.
Sawaide, Minoru: *See*—
Okada, Takeji; Sawaide, Minoru; Imai, Minoru; and Tachibana, Daisuke, 4,873,145, Cl. 428-407.000.
Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Kohji, to Yazaki Corporation. Method of forming filled protective sheath on coupled wire conductors. 4,814,028, 3-21-89, Cl. 156-48.000.
Sawaki, Atsushi; Ono, Mamoru; Okazaki, Toshio; and Naruse, Koji, to Yazaki Corporation. Method for forming cover layer over wire joint. 4,822,434, 4-18-89, Cl. 156-48.000.
Sawaki, Ippei: *See*—
Hajikano, Kazuo; Shimoe, Toshio; Kamoi, Jyoei; Sawaki, Ippei; and Murakami, Koso, 4,837,855, Cl. 455-600.000.
Sawaki, Kenzi: *See*—
Matuura, Toshihiko; Sawaki, Kenzi; Shindo, Seizin; and Torigoe, Michiko, 4,824,751, Cl. 430-106.000.
Sawaki, Nobuhiko: *See*—
Akasaki, Isamu; and Sawaki, Nobuhiko, 4,855,249, Cl. 437-81.000.
Kano, Hiroyuki; Hashimoto, Masafumi; and Sawaki, Nobuhiko, 4,816,878, Cl. 357-4.000.
Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, to Wakamoto Pharmaceutical Co., Ltd. 3-(1H-tetrazol-5-yl)oxanilic acid and salts thereof and pharmaceutical compositions containing them. 4,795,754, 1-3-89, Cl. 514-381.000.
Sawaki, Toru; Sasaki, Hideharu; Nakamura, Tsutomu; and Sadanobu, Jiro, to Teijin Ltd. Process for preparation of high-performance grade carbon fibers. 4,840,762, 6-20-89, Cl. 264-29.200.
Sawaki, Yukichi, to Brother Kogyo Kabushiki Kaisha. Sheet roll cartridge and method for loading the same to image recording apparatus. 4,855,791, 8-8-89, Cl. 355-27.000.
Sawaki, Yukichi: *See*—
Akao, Michitoshi; Sakakibara, Kenji; Katoh, Tokunori; and Sawaki, Yukichi, 4,868,602, Cl. 355-27.000.
Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.
Sawamoto, Hideo: *See*—
Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, 4,885,681, Cl. 364-200.000.
Sawamoto, Hirokazu; Omura, Takashi; and Harada, Naoki, to Sumitomo Chemical Company, Limited. Dioxazine compound having vinylsulfone type fiber reactive group. 4,841,048, 6-20-89, Cl. 544-74.000.
Sawamoto, Hirokazu: *See*—
Kayane, Yutaka; Sawamoto, Hirokazu; Omura, Takashi; Harada, Naoki; and Takeshita, Akira, 4,843,149, Cl. 534-632.000.
Sawamura, Masahiko; and Takahashi, Kouji. Foldable table. 4,879,954, 11-14-89, Cl. 108-6.000.
Sawamura, Masashi: *See*—
Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, 4,877,681, Cl. 428-336.000.
Sawamura, Masataka; and Hoshino, Yasushi, to Konica Corporation. Camera with automatic focusing apparatus. 4,823,157, 4-18-89, Cl. 354-403.000.
Sawamura, Masataka, to Konica Corporation. Camera. 4,825,240, 4-25-89, Cl. 354-484.000.
Sawamura, Masataka: *See*—
Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, 4,841,323, Cl. 354-400.000.
Sawamura, Norio; Matsuo, Takaharu; Tsumura, Kazunobu; and Ebihara, Yoshitaka, to Fuji Oil Company, Limited. Process for preparing enzyme preparation. 4,873,194, 10-10-89, Cl. 435-198.000.
Sawamura, Osamu: *See*—
Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, 4,816,868, Cl. 355-14.00C.
Sawamura, Tadahide: *See*—
Kasahara, Nobuo; Nakahara, Tosio; Watanuki, Masayosi; and Sawamura, Tadahide, 4,872,037, Cl. 355-271.000.
Sawanishi, Shigeru: *See*—
Sugiura, Akira; Sawanishi, Shigeru; and Ogawa, Noboru, 4,818,458, Cl. 264-182.000.
Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga; and Sato, Nobuyasu, to Fujikura Ltd. Water penetration-detecting apparatus and optical fiber cable using same. 4,812,014, 3-14-89, Cl. 350-96.290.
Sawano, Mitsuru; and Yabe, Masao, to Fuji Photo Film Co., Ltd. Method of recording information and information recording medium employed for the same. 4,860,273, 8-22-89, Cl. 369-100.000.
Sawano, Susumu; Sakuma, Masaru; Nagai, Hideaki; and Funabashi, Tatsuya, to Tokico, Ltd. Antiskid control device. 4,855,917, 8-8-89, Cl. 364-426.020.
Sawano, Takayasu: *See*—
Muguruma, Hiroshi; Toyoda, Hiroshi; and Sawano, Takayasu, 4,834,148, Cl. 140-119.000.
Sawano, Yasuo: *See*—
Shibata, Ryoichi; Kinugawa, Kiyoshi; Iimura, Tsutomu; and Sawano, Yasuo, 4,888,464, Cl. 219-216.000.
Sawanobori, Naruhito; Nagahama, Shinobu; and Baba, Nobuyoshi, to Sumita Optical Glass Mfg. Co., Ltd. Fluorophosphate optical glass. 4,808,556, 2-28-89, Cl. 501-44.000.
Sawara, Kenichi: *See*—
Kadokura, Hidekimi; Sawara, Kenichi; and Yako, Tadaaki, 4,797,500, Cl. 556-1.000.
Sawaragi, Fujio; and Taniguchi, Hiroo, to Dow Corning Kabushiki Kaisha. Method for the production of silyl group containing amine compounds. 4,847,397, 7-11-89, Cl. 556-418.000.
Sawaragi, Fujio; and Taniguchi, Hiroo, to Dow Corning K.K. Antimicrobial agent. 4,888,434, 12-19-89, Cl. 556-418.000.
Sawaragi, Yoshiatsu; Yoshikawa, Kunihiko; and Teranishi, Hiroshi, to Sumitomo Metal Industries, Ltd. Austenitic steel having improved high-temperature strength and corrosion resistance. 4,342,823, 6-27-89, Cl. 420-584.000.
Sawasaki, Yoshihiko: *See*—
Sonoda, Sakae; Hetsugi, Kouji; Sawasaki, Yoshihiko; Kaburagi, Kouji; and Matsushima, Yasunobu, 4,874,480, Cl. 204-56.100.
Sawase, Terumi: *See*—
Nakamura, Hideo; and Sawase, Terumi, 4,821,240, Cl. 365-228.000.
Sawata, Tetsuya: *See*—
Tokuno, Masateru; Sawata, Tetsuya; and Mori, Yasuharu, 4,798,110, Cl. 83-13.000.
Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, to Fujitsu Limited. Magnetic brush developer for electrophotography. 4,849,317, 7-18-89, Cl. 430-106.600.
Sawaya, Hajime; Fukuda, Yoshinobu; and Sato, Hiroyuki, to Ando Electric Co., Ltd. Data monitor apparatus. 4,802,167, 1-31-89, Cl. 371-25.000.
Sawaya, Hiromichi, to Kabushiki Kaisha Toshiba. Single-in-line type semiconductor device. 4,807,087, 2-21-89, Cl. 361-405.000.
Sawaya, Keiji: *See*—
Yokoyama, Takashi; Hide, Ichiro; Sawaya, Keiji; and Matsuyama, Takeshi, 4,820,145, Cl. 425-425.000.
Sawaya, Showhachi: *See*—
Masumoto, Hakaru; Sawaya, Showhachi; and Hinai, Masakatsu, 4,859,252, Cl. 148-11.50R.

- Sawayama, Akeo: *See—*
  - Maekawa, Toshio; Yamauchi, Hiroshige; Toyota, Takashi; Sawayama, Akeo; and Yamanaka, Masaaki, 4,795,676, Cl. 428-328.000.
- Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, to Ricoh Company, Ltd. Image-forming device. 4,814,821, 3-21-89, Cl. 355-4.000.
- Sawayama, Noboru: *See—*
  - Bisaiji, Takashi; Sawayama, Noboru; and Yoo, Hideo, 4,875,079, Cl. 355-246.000.
  - Enoki, Shigekazu; Sawayama, Noboru; Katoh, Shunji; and Kimura, Noriyuki, 4,885,223, Cl. 430-122.000.
  - Takashima, Masayuki; and Sawayama, Noboru, 4,855,783, Cl. 355-298.000.
- Sawayama, Shigeru: *See—*
  - Itagaki, Takaharu; Shiraga, Mitsuaki; Sawayama, Shigeru; and Satoh, Kohichi, 4,808,683, Cl. 526-307.200.
  - Murao, Yoshikazu; Sawayama, Shigeru; and Satoh, Kohichi, 4,824,913, Cl. 525-344.000.
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- Sawchuk, David L. M.; and Olsen, Ronald H., to Polysar Limited. Biological degradation of chemicals bearing an oxydibenzene nucleus. 4,818,406, 4-4-89, Cl. 210-611.000.
- Sawdon, Edwin G., to BTM Corporation. Hand held sheet metal joining system. 4,878,284, 11-7-89, Cl. 29-243.530.
- Sawhill, Howard T., to Du Pont de Nemours, E. I., and Company. Dielectric composition. 4,849,380, 7-18-89, Cl. 501-20.000.
- Sawhill, J. Wallace, to Pacific Kenyon Corp. Animal feed supplement with filler and method of preparing the same. 4,800,088, 1-24-89, Cl. 426-69.000.
- Sawhill, J. Wallace, to Pacific Kenyon Corp. Stable fat suspension feed supplement. 4,804,546, 2-14-89, Cl. 426-69.000.
- Sawicki, Richard H.: *See—*
  - Draggoo, Vaughn G.; Morton, Richard G.; Sawicki, Richard H.; and Bissinger, Horst D., 4,868,768, Cl. 364-525.000.
- Sawicki, William H.: *See—*
  - Molfetta, Anthony J.; and Sawicki, William H., 4,837,570, Cl. 340-984.000.
- Sawicki, Wolfgang H.; Svensson, Tomas L.; Weck, Bernd K.; and Meier-Dornberg, Karl E., to Sandvik AB. Force sensor. 4,884,461, 12-5-89, Cl. 73-862.060.
- Sawin, Steven P.: *See—*
  - Fulks, Bernard D.; Sawin, Steven P.; Aikman, Collin D.; and Jenkins, John M., III, 4,876,320, Cl. 526-62.000.
- Sawizky, Paul A.; Olson, Stephen C.; and Midttun, Ole H., to Bird-Johnson Company. Controllable pitch marine propeller. 4,810,166, 3-7-89, Cl. 416-167.000.
- Sawtell, Ralph R.; Bretz, Philip E.; and Jensen, Craig L., to Aluminum Company of America. Superplastic aluminum products and alloys. 4,874,440, 10-17-89, Cl. 148-437.000.
- Sawtell, Ralph R.: *See—*
  - Bretz, Philip E.; Sawtell, Ralph R.; and Hunt, Warren H., Jr., 4,797,165, Cl. 148-12.70A.
  - Cho, Chul W.; and Sawtell, Ralph R., 4,806,174, Cl. 148-12.70A.
  - Cho, Chul W.; and Sawtell, Ralph R., 4,844,750, Cl. 148-12.70A.
- Sawyer, David A.; and Copp, Frederick C. Triazine salt. 4,847,249, 7-11-89, Cl. 514-242.000.
- Sawyer, David E., to Systron Donner Corp. Temperature monitoring apparatus and method therefor. 4,828,401, 5-9-89, Cl. 374-178.000.
- Sawyer, Dennis O.: *See—*
  - Fletcher, William E.; Ault, Charles M.; and Sawyer, Dennis O., 4,823,952, Cl. 206-328.000.
- Sawyer, Edward G.: *See—*
  - Bradley, John J.; Painton, Richard C.; Acello, John J.; Sawyer, Edward G.; and Nutting, Thomas C., 4,816,929, Cl. 360-10.100.
- Sawyer, George M. Lippmann process of color photography, which produces a photograph with a 2-dimensional image, to result in another process of color photography, which produces a photograph with a 3-dimensional image. 4,835,090, 5-30-89, Cl. 430-367.000.
- Sawyer, Hermon R. Ball retrieval system. 4,875,678, 10-24-89, Cl. 273-30.000.
- Sawyer, James L.: *See—*
  - Heitzmann, Richard F.; Gravitt, Billy B.; and Sawyer, James L., 4,842,649, Cl. 106-89.000.
- Sawyer, Joanna D.: *See—*
  - Lievense, Jefferson C.; Sawyer, Joanna D.; and Terpolilli, Anthony J., 4,840,898, Cl. 435-87.000.
- Sawyer, Lawrence H.; and Knight, George W., to Dow Chemical Company, The. Fine denier fibers of olefin polymers. 4,830,907, 5-16-89, Cl. 428-225.000.
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- Sawyer, Philip J.: *See—*
  - Davidson, James G.; Allard, Deborah A.; Sawyer, Philip J.; and Boynton, Philip E., 4,886,522, Cl. 44-624.000.
- Sawyer, Philip N., to Interface Biomedical Laboratories Corp. Safety needle sheath in anti-reflux catheter having novel valve means. 4,883,461, 11-28-89, Cl. 604-53.000.
- Sawyer, Ralph D., to R. Sawyer, Inc. Flexible hand-conforming protective glove. 4,864,660, 9-12-89, Cl. 2-161.00A.
- Sawyer, Roy T.; and Edwards, Jeffrey, to Biopharm (UK) Limited. Hyaluronidase. 4,820,516, 4-11-89, Cl. 424-94.620.
- Sawyer, Tomi K.: *See—*
  - Hester, Jackson B., Jr.; Thaisrivongs, Suvit; Sawyer, Tomi K.; TenBrink, Ruth E.; Saneii, Hossain H.; Schostarez, Heinrich J.; and Pals, Donald T., 4,880,781, Cl. 514-18.000.
- Sawyer, Willard H.; and Hudson, Carl W., to Exxon Research and Engineering Company. Process for the production of ultra high octane gasoline, and other fuels from aromatic distillates. 4,828,675, 5-9-89, Cl. 208-57.000.
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- Sawyers, Craig G.; and Robinson, Laurence J., to Ares-Serono Research & Development Limited Partnership. Film measuring device and method with internal calibration to minimize the effect of sample movement. 4,828,387, 5-9-89, Cl. 356-319.000.
- Sawyers, Craig G.: *See—*
  - North, John R.; Petty-Saphon, Satham; and Sawyers, Craig G., 4,882,288, Cl. 436-525.000.
- Saxe, Robert L.; and Thompson, Robert I., to Research Frontiers Incorporated. Light-polarizing materials and suspensions thereof. 4,877,313, 10-31-89, Cl. 350-391.000.
- Saxel Industries Ltd.: *See—*
  - Truderung, Axel U. R., 4,825,627, Cl. 56-12.700.
- Saxelby, John R., Jr.: *See—*
  - Roberts, Carl M.; Saxelby, John R., Jr.; and Moseson, Roger M., 4,866,505, Cl. 357-71.000.
- Saxelby, Robert M.: *See—*
  - Webber, William T., and Saxelby, Robert M., 4,801,092, Cl. 239-418.000.
- Saxena, Brij B.; and Rathnam, Premila, to Cornell Research Foundation, Inc. Assay for qualitatively and/or quantitatively measuring hLH or hCG in body fluids and reagents therefor. 4,880,914, 11-14-89, Cl. 530-395.000.
- Saxena, Vinit, to Sepragen Corporation. Packed bed bioreactor. 4,833,083, 5-23-89, Cl. 435-240.240.
- Saxena, Vinit, to Sepragen Corporation. Chromatography system using horizontal flow columns. 4,840,730, 6-20-89, Cl. 210-198.200.
- Saxena, Vinit; and Andresen, Brian D., to Sepragen Corporation. Radial thin layer chromatography. 4,865,729, 9-12-89, Cl. 210-198.200.
- Saxpy Computer Corporation: *See—*
  - Nicely, Mark C.; Leavitt, Ronald; Mannion, Joel; Schreiber, Rob; Lang, Gary R.; Papenberg, Robert L.; and Straub, Joseph E. 4,839,801, Cl. 364-200.000.
  - Nicely, Mark C.; Schreiber, Robert; Parks, Terry M.; Mannion, A Joel; Lang, Gary R.; and Patton, Charles F., 4,860,249, Cl. 364-900.000.
  - Papenberg, Robert L., 4,841,435, Cl. 364-200.000.
- Saxton, Brian W.: *See—*
  - Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.
- Saxton, Jay R.; Sodt, Andrew J.; and Suslo, Dan J., to Transformer-CAD, Inc. Methods and systems for generating parametric designs. 4,882,692, 11-21-89, Cl. 364-518.000.
- Saxton, Robert J.: *See—*
  - Fellmann, Jere D.; Saxton, Robert J.; and Tung, Paul, 4,861,921, Cl. 568-772.000.
  - Vasilevskis, Janis; De Deken, Jacques C.; Saxton, Robert J.; Wenrcek, Paul R.; Fellmann, Jere D.; and Kipnis, Lyubov S. 4,853,357, Cl. 502-165.000.
- Say, Geoffrey R.: *See—*
  - Goetsch, Duane A.; and Say, Geoffrey R., 4,877,550, Cl. 252-373.000.
  - Goetsch, Duane A.; Say, Geoffrey R.; Vargas, Jose M.; and Eberly, Paul E., 4,888,131, Cl. 252-373.000.
- Sayano, Akio: *See—*
  - Tanaka, Shunichiro; Sayano, Akio; and Kameda, Tsunej 4,820,562, Cl. 428-34.600.
- Saydek, Michael E.; Flynn, Gordon; Vizulis, Karlis; and Von Res Charles, to Crown Glass Company, Inc. Apparatus for the percutaneous absorption of fluids. 4,863,696, 9-5-89, Cl. 422-101.000.
- Sayed, Edmond A.: *See—*
  - Charbonneau, Arthur G.; Hale, Stanley N.; and Sayed, Edmond A. 4,831,873, Cl. 73-168.000.
- Sayeed, Fakrul A. A.: *See—*
  - Alam, Abu S.; Joshi, Utpal G.; Mehta, Jairaj U.; Sayeed, Fakrul A. A.; and Kapoor, John N., 4,879,308, Cl. 514-509.000.
- Sayer, Bertram, to Thermal Profiles, Inc. Window frame appara 4,831,804, 5-23-89, Cl. 52-475.000.
- Sayer, Christopher N. F.; and Briggs, Robin M., to Orbital Engine Company Proprietary Limited. Apparatus for delivering fuel to internal combustion engines. 4,803,968, 2-14-89, Cl. 123-533.000.
- Sayer, Christopher N. F.; and Outram, John R., to Orbital Engine Company Proprietary Limited. Fuel injection apparatus. 4,844,33 7-4-89, Cl. 239-5.000.
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  - Maier, Martin; Sayer, Heinz; and Gebauer, Gerhard, 4,828,464, Cl. 417-388.000.
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- Sayers, Anthony D., to U.S. Philips Corporation. Angle dig 4,855,744, 8-8-89, Cl. 341-116.000.
- Sayers, Brian: *See—*
  - Ryder, Alan; and Sayers, Brian, 4,868,494, Cl. 324-79.00R.

- Sayers, Kenneth H.: *See—*
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  - Veselica, Gary M.; Miller, Keith M.; and SayGan, Miguel, 4,844,193, Cl. 464-180.000.
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  - Applebaum, Michael I.; and Sayre, Richard E., 4,815,768, Cl. 283-67.000.
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  - Weibel, Michael K., 4,831,127, Cl. 536-56.000.
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  - Rottmann, Manfred, 4,807,677, Cl. 144-3.00R.
- SC Bourgeois: *See—*
  - Violi, Raymond, 4,823,766, Cl. 126-20.000.
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  - Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., 4,871,630, Cl. 430-14.000.
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  - Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., 4,844,947, Cl. 427-53.100.
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  - Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.
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- Scales, Joseph K. Disposable toothbrush with toothpaste, mouthwash and floss. 4,865,481, 9-12-89, Cl. 401-195.000.
- Scales, Michael J. Block-formed revetment system for controlling soil erosion. 4,875,803, 10-24-89, Cl. 405-16.000.
- Scales, Walter C., to MITRE Corporation, The. Low data rate communications link. 4,856,028, 8-8-89, Cl. 375-97.000.
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  - Bean, George H.; Borden, Terry L.; Farrell, Mark S.; Gum, Peter H.; Hough, Roger E.; Johnson, Francis E.; McCauley, Donald W.; Rakhmilevich, Mark E.; Rathjen, John C.; Scalzi, Casper A.; Scanlon, John F.; and Wyman, Leslie W., 4,843,541, Cl. 364-200.000.
- Scalzi, John, to Harvey Industries, Inc. Double-hung window pivot. 4,813,180, 3-21-89, Cl. 49-161.000.
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- Scalzo, Augustine J., to Westinghouse Electric Corp. Compressor diaphragm assembly. 4,889,470, 12-26-89, Cl. 415-209.200.
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  - Holroyd, Nigel J. H.; Hepples, Warren; and Scamans, Geoffrey M., 4,880,709, Cl. 428-654.000.
- Scamardo, Joseph F., Jr.: *See—*
  - Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., 4,847,954, Cl. 17-54.000.
- Scampini, Daniel. Fluid exchange pump. 4,818,187, 4-4-89, Cl. 417-137.000.
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  - Riti, Gionfranco; and Scampoli, Mario, 4,817,256, Cl. 29-33.00L.
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  - Goh, David; Moran-Iturralde, Anthony M., and Howells, Geoffrey, 4,881,918, Cl. 453-4.000.
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  - Buck, Daniel M., 4,817,179, Cl. 382-54.000.
  - Woods, Daniel E.; Gocht, Ronald E.; Higgins, Peter M.; Edwards, Anne M.; Rowlands, Hugh; Scanlon, Edward F.; and Putzer, Jerry, 4,813,077, Cl. 382-7.000.
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  - Nagai, Teiji; Sakazume, Ryo; Hanazawa, Kouichi; Nakayama, Hiroshi; and Minagawa, Yoshio, 4,872,024, Cl. 346-1.100.
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  - Westermark, Mats O. J., 4,799,941, Cl. 55-90.000.
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- Scandrett, John H.: *See—*
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  - Solem, Jan O.; Olin, Christian; and Scanlan, Timothy M., 4,854,318, Cl. 128-346.000.
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- Scanlon, John F.; and Sherman, William D., to Sundstrand Corporation. Enhanced adhesion of substrate materials using ion-beam implantation. 4,849,247, 7-18-89, Cl. 427-34.000.
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  - Okey, David W.; Church, John S.; Saatchi, Hossein; and Scanlon, John F., 4,837,251, Cl. 523-218.000.
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  - Green, Alan; and Riley, Brian, 4,863,786, Cl. 428-234.000.
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  - Westhead, William T., 4,857,391, Cl. 428-222.000.
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  - Ashworth, Timothy N.; and Littler, Brian G., 4,813,156, Cl. 34-116.000.
  - Gisbourne, Bryan J., 4,827,579, Cl. 24-391.000.
- Scapecchi, Pier L.; Coghi, Giovanni; and Lanati, Paolo, to Alfa Lancia Industriale S.p.A. Automatic timing variation device for an internal combustion engine. 4,889,086, 12-26-89, Cl. 123-90.150.
- Scapecchi, Pier L.: *See—*
  - Ciccarone, Angelo; Oldani, Emilio; and Scapecchi, Pier L., 4,884,539, Cl. 123-310.000.
- Scapes, John N.: *See—*
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- Scarborough, David W.: *See—*
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- Scarborough, Diane: *See—*
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- Scardovi, Alessandro: *See—*
  - Conta, Renato; Rocchi, Remo; and Scardovi, Alessandro, 4,834,637, Cl. 425-110.000.
- Scarfo, Louis: *See—*
  - Abrutyn, Eric S.; Scarfo, Louis; and Chromecek, Richard, 4,855,127, Cl. 424-411.000.
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- Scarpa, Jack G., to USBI Booster Production Company, Inc. Intumescent protective covering for electrical cables. 4,835,054, 5-30-89, Cl. 428-377.000.
- Scarpatetti, Diether V.; and Sahm, Dietrich, to Daimler-Benz Aktiengesellschaft. Electrically conductive connection between abutting conduct rail section. 4,820,168, 4-11-89, Cl. 439-33.000.
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  - Rescalli, Carlo; Ricci, Riziero; Scazzosi, Adriano; and Cianci, Flavio, 4,874,474, Cl. 203-18.000.
- SCCS, Incorporated: *See—*
  - Sorenson, Carl C.; and Clausen, Scott W., 4,811,860, Cl. 220-380.000.
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- Scents of Heaven, Inc.: *See—*
  - Crowe, Jonathan M., 4,828,176, Cl. 239-60.000.
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  - Farrell, Grant D., 4,836,580, Cl. 285-24.000.
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  - Wisotzki, Klaus-Dieter; Schaab, Udo; Reitz, Hans-Joachim; and Orczech, Juergen, 4,852,591, Cl. 134-57.00R.
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- Schaaf, Mimi Y.: *See—*
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  - Kupper, Friedrich-Wilhelm; Voges, Heinz-Werner; Patzold, Werner; and Schaaf, Richard, 4,859,790, Cl. 560-75.000.
- Schaaf, Vincent P.: *See—*
  - Thom, Jerry D.; and Schaaf, Vincent P., 4,794,879, Cl. 119-17.000.
- Schaafer, Otto: *See—*
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  - Johansen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, 4,852,614, Cl. 138-93.000.
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  - Werther, Heinz-Ulrich; Pieper, Hartwig; Schabinger, Willi; and Kessler, Klaus, 4,828,641, Cl. 156-258.000.
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  - Trostmann, Uwe; Schachtele, Christoph; Mannhardt, Karl; Rudolph, Claus; and Marme Dieter, 4,855,489, Cl. 560-250.000.
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- Schachter, Friedrich. Valve actuator for pocket lighter. 4,889,482, 12-26-89, Cl. 431-344.000.
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  - Baumann, John A.; Schachter, Rozalie; and Viscogliosi, Marcello, 4,867,952, Cl. 423-210.000.
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  - Frelier, Helmut; and Schack, Peter, 4,842,710, Cl. 204-192.380.
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  - Landau, Richard F.; Millikin Jr., William E.; Puchacz, Jerzy P.; Reyes, Manolito Q.; and Schadler, Walter, 4,857,160, Cl. 204-192.120.
- Schadt, Frank L., III: *See—*
  - Hardam, William M.; Schadt, Frank L., III; and Taggi, Arthur J., 4,810,624, Cl. 430-528.000.
- Schadt, Martin: *See—*
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- Schaeder, Walter E.: *See—*
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- Schaefer, Gerhard; and Neumann, Peter, to Dresser Industries, Inc. Preparation of 4,4′ dichlorodiphenyl sulfone 4,871,876, 10-3-89, Cl. 568-34.000.
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  - Dietrich, Anton; Hartig, Klaus; Schaefer, Hans-Christian; and Szczyrbowski, Joachim, 4,830,876, Cl. 427-96.000.
- Schaefer, Helmut: *See—*
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  - Wagner, Werner; Schaefer, Philipp; and Buscher, Horst, 4,850,838, Cl. 425-101.000.
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- Schaefer, Ronald E. Low impedance fan safety guard. 4,818,183, 4-4-89, Cl. 416-247.00R.
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  - Coulon, Jean C.; Kramer, Carl; Schaefer, Wolfgang; and Sustmann, Hans, 4,824,695, Cl. 427-168.000.
- Schaeffel, Frank: *See—*
  - Howland, Howard C.; Schaeffel, Frank; and Farkas, Leslie, 4,834,528, Cl. 351-211.000.
- Schaeffer, Charles W., to Birmingham Bolt Company, Inc. Mine roof support anchor and process for installing the same. 4,859,118, 8-22-89, Cl. 405-259.000.
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- Schaeffer, Eugene P.: *See—*
  - Pease, Charles C.; Schaeffer, Eugene P.; Bernd, Kevin L.; and Higton, David A., 4,842,465, Cl. 411-337.000.
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  - Zorn, Helmut; and Schaeffler, Georg, 4,876,997, Cl. 123-90.520.
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- Schaevitz, Lester P. Stand for supporting the body of a worker 4,867,273, 9-19-89, Cl. 182-116.000.
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- Schafer, Daniel J.: *See—*
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- Schafer, Dankmar: *See—*
  - Funk, Hans G.; Neumann, Frank; and Schafer, Dankmar, 4,884,829, Cl. 285-24.000.
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- Schafer, Doris: *See—*
  - Schafer, Werner; Schafer, Rolf; Schafer, Doris; Aalbers, Johan G.; and Smid, Jacob K., 4,818,440, Cl. 252-546.000.
- Schafer, Ernst-Dieter: *See—*
  - Abbing, Andreas; Bertling, Hannes; Kehl, George; Mergenthaler, Robert; Rischen, Dietmar; Schafer, Ernst-Dieter; Schmitt, Edgar; and Siegel, Heinz, 4,882,976, Cl. 91-376.00R.
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- Schafer, Hans-Heinz: *See—*
  - Halder, Ernst; Dinkelmann, Friedrich; Buder, Robert; Fuchs, Uwe; Horak, Dieter; and Schafer, Hans-Heinz, 4,825,634, Cl. 57-305.000.
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  - Kopp, Richard; Grogler, Gerhard; Hess, Heinrich; Schafer, Hermann; and Rasshofer, Werner, 4,797,320, Cl. 428-316.600.
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- Schafer, Otmar U. Process and apparatus for alternately heating and cooling a heat exchanger. 4,804,039, 2-14-89, Cl. 165-2.000.
- Schafer, Otto: *See—*
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  - Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Peter, 4,839,560, Cl. 313-628.000.
  - Ganser, Hans-Gunther; Schafer, Ralf; and Stormberg, Hans-Peter, 4,888,524, Cl. 315-200.00R.
- Schafer, Randal D. Apparatus for clamping a template to a workpiece. 4,875,667, 10-24-89, Cl. 269-91.000.
- Schafer, Richard: *See—*
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  - Flood, Paul W.; Corn, John E.; and Schafer, Robert J., 4,814,279, Cl. 525-66.000.
- Schafer, Roland; and Rizk, Farid, to Harth & Seifert GmbH. Process for mixing bulk materials. 4,878,758, 11-7-89, Cl. 366-101.000.
- Schafer, Roland: *See—*
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- Schafer, Stephen, to Equus Marketing AG. Split-back chair, particularly office chair. 4,830,430, 5-16-89, Cl. 297-298.000.
- Schafer, Walter: *See—*
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- Schafer, Wolfgang: *See—*
  - Fehrenbach, Gustav; and Schafer, Wolfgang, 4,816,687, Cl. 250-459.100.
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  - Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
- Schaff, Jean-Paul. Protection of sensitive electrical installations against the effects of lightning, and devices proposed for such arrangement. 4,881,147, 11-14-89, Cl. 361-118.000.
- Schaffelhofer, Iwo: *See—*
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- Scheld, John L., to Tribophysics Corporation. PTFE oil additive. 4,834,89[illegible], 5-30-89, Cl. 252-49.900.
- Scheler, Morris. Double bladed rock crusher. 4,848,682, 7-18-89, Cl. 241-190.000.
- Schelhaas, Ealbertus W.; and Tordoir, Franciscus J. M., to O+R Inktchemie B.V. Process for producing a printing-ink stock, and printing ink produced from said stock. 4,8[illegible]197, 5-23-89, Cl. 524-594.000.
- Schelhas, Klaus-Dieter, to Orthoplant Endoprothetik GmbH. Hip joint femoral prosthesis. 4,822,370, 4-18-89, Cl. 623-23.000.
- Schelhas, Klaus-Dieter, to Orthoplant Endoprothetik GmbH. Device for cutting a thread in a cup-shaped bone. 4,856,503, 8-15-89, Cl. 128-92.0VJ.
- Schelhorn, Fritz: *See—*
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- Schell, David L.: *See—*
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- Schell, Howard C.: *See—*
  - Arnold, Richard M.; Baker, Paul A.; Drucker, Coleen A.; Gashler, Robert J.; Lipari, Dominic T.; Robin, Max S.; and Schell, Howard C., 4,806,107, Cl. 439-79.000.
- Schell, Mark S., to Du Pont de Nemours, E. I., and Company. Connector mounting system. 4,850,885, 7-25-89, Cl. 439-79.000.
- Schell, Raymond A.: *See—*
  - Mina, George L.; and Schell, Raymond A., 4,870,214, Cl. 568-720.000.
- Schell, Ronald F.: *See—*
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- Schell, Thomas: *See—*
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- Schell, William S.: *See—*
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- Schellekens, Ronald M. A. M.; Rutten, Hendrikus J. J.; and Lemstra, Pieter J., to Stamicarbon B.V. Process for the preparation of polyvinyl alcohol articles of high strength and modulus. 4,810,450, 3-7-89, Cl. 264-185.000.
- Schellekens, Ronald M. A. M.: *See—*
  - Mokveld, Floribertus C. H.; and Schellekens, Ronald M. A. M., 4,81[illegible],277, Cl. 264-185.000.
- Schellenberg, Fredrick, III. Life like fishing lure. 4,803,793, 2-14-89, Cl. 43-42.330.
- Schellenberg, James M.; and Yau, Wing, to Hughes Aircraft Company. Power divider/combiner circuit. 4,835,496, 5-30-89, Cl. 333-128.000.
- Schellenberg, Matthias: *See—*
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  Dierkes, Albert; Gilly, Joachim; Grecksch, Ernst; and Schellenberger, Friedrich, 4,819,104, Cl. 360-98.010.
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  Wright, Arthur P. G.; Wen, Betty P. L.; Schenck, Terry G.; and Maron, Antonina, 4,882,324, Cl. 514-191.000.
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Schenk, Bernard, to Arcofil S.A. Process for automatically feeding work stations and apparatus for practicing the process. 4,844,678, 7-4-89, Cl. 414-226.000.
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  Peters, Manfred; Ohlschlager, Hans; Kaluschke, Thomas; Wingender, Kaspar; Schenk, Gunther; and Boie, Immo, 4,840,871, Cl. 430-203.000.
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  Schranz, Karl-Wilhelm; and Schenk, Gunther, 4,865,940, Cl. 430-138.000.
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  - Flamig, Hans; Schutte, Andreas; Schiel, Christian; Steiner, Karl; and Mullner, Josef, 4,878,281, Cl. 29-116.100.
  - Hafner, Paul; and Schiel, Christian, 4,838,156, Cl. 100-47.000.

Schiel, Lotha, to Alfred Teves GmbH. Electromagnetically actuatable three-way/two-position valve. 4,807,665, 2-28-89, Cl. 137-625.400.

Schiel, Lothar, to Alfred Teves GmbH. Electromagnetically actuatable three-way/two-position directional control valve. 4,840,193, 6-20-89, Cl. 137-627.500.

Schiel, Lothar: *See—*

Wagner, Wilfried; and Schiel, Lothar, 4,828,337, Cl. 303-114.000.

Schiele, August; and Kaustrater, Gert, to Kuka Wehrtechnik GmbH. Apparatus for loading guns, particularly tank howitzers. 4,823,675, 4-25-89, Cl. 89-46.000.

Schiemann, Wolfram. Hinge connection. 4,800,620, 1-31-89, Cl. 16-225.000.

Schiemann, Wolfram. Bellows for motor vehicle. 4,844,486, 7-4-89, Cl. 277-212.0FB.

Schiemann, Wolfram. Plastics can. 4,881,647, 11-21-89, Cl. 206-510.000.

Schiemann, Wolfram. Device suitable for use as a dual-chambered can. 4,881,652, 11-21-89, Cl. 220-20.000.

Schiemann, Wolfram. Discharge tube. 4,886,194, 12-12-89, Cl. 222-478.000.

Schiemann, Wolfram. Device suitable for use as a plastic can. 4,889,255, 12-26-89, Cl. 220-83.000.

Schiemenz, Arthur F.; and Husliq, Daniel J., to Motorola, Inc. Digitally controlled monotonic attenuator. 4,810,949, 3-7-89, Cl. 323-354.000.

Schienle, Meinrad: *See—*

Mahlein, Hans; Maerz, Reinhard; and Schienle, Meinrad, 4,815,081, Cl. 372-32.000.

Schier, Guenther, to Bayerische Motoren Werke Aktiengesellschaft. Method and apparatus for damping steering movements. 4,811,807, 3-14-89, Cl. 180-141.000.

Schier, J. A. Position determining apparatus. 4,885,433, 12-5-89, Cl. 178-19.000.

Schierbeek, Kenneth L.; and Schofield, Kenneth, to Donnelly Corporation. Magnetic compass system for a vehicle. 4,862,594, 9-5-89, Cl. 33-356.000.

Schierbeek, Kenneth L.: *See—*

O'Farrell, Desmond J.; Schofield, Kenneth; Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.

Schieren, Hugh P.: *See—*

Janoff, Andrew S.; Cullis, Pieter R.; Bally, Marcel B.; Fountain, Michael W.; Ginsberg, Richard S.; Hope, Michael J.; Madden, Thomas D.; Schieren, Hugh P.; and Jablonski, Regina L., 4,880,635, Cl. 424-450.000.

Schierenbeck, Alan W. Fire fighters' bunker pants suspenders. 4,850,057, 7-25-89, Cl. 2-328.000.

Schiering, Rolf, to Deutsche AG fur Unterhaltungselectronic OHG. Cassette recorder with recording programming. 4,841,386, 6-20-89, Cl. 360-69.000.

Schierl, Hans: *See—*

Payer, Ernst; and Schierl, Hans, 4,860,368, Cl. 381-159.000.

Schiller, Kurt; Luger, Johann; Schierl, Hans; and Kallhardt, Heinrich, 4,868,876, Cl. 379-437.000.

Schierling, Bernhard; Caspar, Manfred; Raab, Harald; Hartig, Franz; Pieper, Norbert; and Grosspietsch, Wolfgang, to Fichtel & Sachs AG. Torque transmitting torsional vibration damper device. 4,809,830, 3-7-89, Cl. 192-3.290.

Schierling, Bernhard: *See—*

Drexl, Hans-Jurgen; Schierling, Bernhard; Hartig, Franz; and Caspar, Manfred, 4,813,295, Cl. 74-572.000.

Schierling, Hubert: *See—*

Schmidt, Rolf; and Schierling, Hubert, 4,884,023, Cl. 324-158.0MG.

Schierling, Roland; Geyer, Werner; Wissmann, Michael; and Nickel, Hans, to Stihl, Andreas. Fuel injection arrangement for a two-stroke engine. 4,807,573, 2-28-89, Cl. 123-73.00C.

Schierling, Roland; and Geyer, Werner, to Andreas Stihl. Two-stroke engine. 4,876,999, 10-31-89, Cl. 123-252.000.

Schierling, Roland: *See—*

Geyer, Werner; Schierling, Roland; and Nickel, Hans, 4,813,391, Cl. 123-73.00C.

Geyer, Werner; and Schierling, Roland, 4,846,119, Cl. 123-73.00C.

Schiessl, Alois: *See—*

Steinicke, Wolfgang; Schiessl, Alois; and Busel, Horst, 4,860,657, Cl. 102-334.000.

Schiessl, Alois, legal representative: *See—*

Prahauser, Georg; Huber, Paul, deceased; and Schiessl, Alois, legal representative, 4,838,167, Cl. 102-334.000.

Schiessl, Gerhard: *See—*

Reuchlein, Gunter; and Schiessl, Gerhard, 4,856,165, Cl. 29-157.30A.

Schiessle, Edmund; and Alasafi, Khaldoun, to Daimler-Benz Aktiengesellschaft. Device for the contactless indirect electrical measurement of the torque at a shaft. 4,805,466, 2-21-89, Cl. 73-862.360.

Schiessle, Edmund: *See—*

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Schiestl, Randall L.; and Ruffle, Paul D., to Honeywell Inc. Method of manufacturing FIN stabilized armor-penetrating tracer projectiles. 4,825,518, 5-2-89, Cl. 29-1.200.

Schiestl, Werner: *See—*

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Schiferl, Joseph J., to General Signal Corporation. Low density material slot furnace workstation wall. 4,809,622, 3-7-89, Cl. 110-336.000.

Schiff, David R.: *See—*

Geary, James E., Jr.; Leffew, Kenneth W.; Schiff, David R.; and Mules, Richard D., 4,810,527, Cl. 427-54.100.

Schiff, Jane A.; and Fishman, Edward, to Jazco International, Inc. Two mode artificial nail. 4,805,645, 2-21-89, Cl. 132-73.000.

Schiff, Robert D. Automobile mirror. 4,815,689, 3-28-89, Cl. 248-481.000.

Schiffer, Henry. Artifical marble. 4,868,018, 9-19-89, Cl. 428-15.000.

Schiffer, Wilhelm: *See—*

Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,804,408, Cl. 75-38.000.

Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,867,787, Cl. 75-38.000.

Schifferl, Ludwig, to Siemens Aktiengesellschaft. Arrangement for calculating the fuel injection quantity for an internal combustion engine. 4,889,101, 12-26-89, Cl. 123-494.000.

Schiffman, Julius. Apparatus for promoting the vigilance of a motor vehicle operator. 4,876,594, 10-24-89, Cl. 358-103.000.

Schiffman, Julius. Apparatus for promoting the vigilance of a motor vehicle operator. 4,884,135, 11-28-89, Cl. 358-103.000.

Schiffman, Susan, to Duke University. Method of enhancing the taste perception of sweetness of aspartame and derivatives thereof. 4,826,824, 5-2-89, Cl. 514-47.000.

Schikowsky, Harmut: *See—*

Gross, Heinz; Pohlmann, Klaus E.; and Schikowsky, Harmut, 4,797,173, Cl. 156-498.000.

Schild, Eugene H.: *See—*

Duenes, Patricia; Kenyon, Richard L.; Scapes, John N.; Schild, Eugene H.; and Strong, Arthur P., 4,831,833, Cl. 62-140.000.

Schild, Geoffrey C.: *See—*

Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; and Almond, Jeffrey W., 4,810,491, Cl. 424-88.000.

Minor, Philip D.; Evans, David M. A.; Schild, Geoffrey C.; Almond, Jeffrey W.; and Ferguson, Morag, 4,857,634, Cl. 530-324.000.

Schild, Ronald H.; Koeplin-Gall, Sandra; and Broxterman, Gregory C., to Nalco Chemical Company. Mixture of halides such as NaOCl and a bromide salt for removal of mussels and barnacles from salt or brackish water. 4,872,999, 10-10-89, Cl. 210-754.000.

Schild, Wolfgang: *See—*

Franke, Heinrich; Conrad, Horst; and Schild, Wolfgang, 4,795,37 Cl. 439-715.000.

Schildge, Adam T., Jr. Cable-stay roof for stadium or arena and method of construction of same. 4,802,314, 2-7-89, Cl. 52-6.000.

Schildhorn, Alan W., to United Technologies Corporation. Complex arithmetic processing. 4,858,164, 8-15-89, Cl. 364-736.000.

Schildknecht, Eugene G.: *See—*

Maestrone, Gianpaolo; Schildknecht, Eugene G.; and Untawale, Govind G., 4,839,382, Cl. 514-453.000.

Schildmann, Jens A.: *See—*

Wiesenberger, Alfred; Marr, Rolf; Kolb, Erich; Schildmann, Jens A.; and Weisrock, Reinhard, 4,867,997, Cl. 426-387.000.

Schilf, Lothar, to Messerschmitt-Bolkow-Blohm GmbH. Sealing device for expansion gaps between evacuated heat insulating wall components. 4,794,748, 1-3-89, Cl. 52-393.000.

Schilger, Herbert K. Building panel assembly. 4,885,884, 12-12-89, Cl. 52-354.000.

Schilk, Leonhard: *See—*

Becker, Robert; Kruss, Bernd; and Schilk, Leonhard, 4,824,674, Cl. 424-427.000.

Schilkey, Daniel P.; and Hamner, James R., to Budd Company, The. Method and apparatus for compression molding under vacuum. 4,867,924, 9-19-89, Cl. 264-101.000.

Schill, Allan A.: *See—*

Krueger, James W., Jr.; Carnahan, Blake A.; Schill, Allan A.; Berical, Albert H.; and Younger, Cousby, Jr., 4,870,375, Cl. 333-33.000.

Schill, Jurgen: *See—*

Bauer, Gerd H.; Gorisch, Armin; Hartmuller, Herbert; Meyer, Gerhard; Nicklas, Alexander; Prokasky, Detlef; and Schill, Jurgen, 4,799,857, Cl. 415-185.000.

Schillaci, Samuel P., to Figgie International Inc. Chlorine gas filtering material suitable for use in a chemical oxygen generator and method of making. 4,832,926, 5-23-89, Cl. 423-241.000.

Schiller, August: *See—*

Bosch, Erhard; Neuhauser, Franz; Schiller, August; and Semmer, Oswin, 4,801,673, Cl. 528-34.000.

Schiller, Barry. Snap connector, lever. 4,813,110, 3-21-89, Cl. 24-104.000.

Schiller, Claude, to U.S. Philips Corporation. Device for measuring the orientation of bulk monocrystalline materials using the Laue method. 4,862,488, 8-29-89, Cl. 378-81.000.

Schiller, David S.: *See—*

Keen, Joseph M.; and Schiller, David S., 4,881,060, Cl. 340-511.00

Schiller, Jost H.: *See—*

Schiller, Rolf M.; and Schiller, Jost H., 4,816,492, Cl. 521-88.00

Schiller, Kurt; Luger, Johann; Schierl, Hans; and Kallhardt, Heinrich, to Siemens Aktiengesellschaft. Electrostatic discharge protection device. 4,868,876, 9-19-89, Cl. 379-437.000.

Schiller, Kurt: *See—*

Awakowicz, Erwin; Schiller, Kurt; and Grassl, Erwin, 4,839,92 Cl. 379-428.000.

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Schiller, Reuben W.: *See—*

Schiller, Valerian J., Sr.; and Schiller, Reuben W., 4,868,976, Cl. 29-749.000.

Schiller, Rolf M.; and Schiller, Jost H. Polymerized foamed or reinforced translucent panels and process for making same. 4,816,492, 3-28-89, Cl. 521-88.000.

Schiller, Thomas: *See—*

Asmussen, Frithjof; Schiller, Thomas; and Weigmann, Uwe, 4,870,265, Cl. 250-211.00R.

Schiller, Valerian J., Sr.; and Schiller, Reuben W. Splicer tool. 4,868,976, 9-26-89, Cl. 29-749.000.

Schiller, Wolfgang, to ANT Nachrichtentechnik GmbH. Method and apparatus for regulating a single sideband up converter. 4,850,035, 7-18-89, Cl. 455-109.000.

Schilling, Bernd; and Fickert, Karl-Ernst, to Wacker-Chemie GmbH. Novel coating slips. 4,879,336, 11-7-89, Cl. 524-503.000.

Schilling, Donald L.; and Manela, David, to SCS Telecom, Inc. Schilling-Manela forward error correction and detection code method and apparatus. 4,796,260, 1-3-89, Cl. 371-39.000.

Schilling, Donald L., to SCS Telecom, Inc. SM codec method and apparatus. 4,847,842, 7-11-89, Cl. 371-37.000.

Schilling, Donald L.; and Manela, David, to SCS Telecom, Inc. PASM and TASM forward error correction and detection code method and apparatus. 4,849,974, 7-18-89, Cl. 371-37.000.

Schilling, Donald L.; and Manela, David, to SCS Telecom, Inc. PASM and TASM forward error correction and detection code method and apparatus. 4,849,976, 7-18-89, Cl. 371-39.000.

Schilling, Harald; and Novotny, Bernd, to Deutsche ITT Industries GmbH. Monolithic integrated wideband power amplifier. 4,871,977, 10-3-89, Cl. 330-255.000.

Schilling, Herbert, to Eisenwerk Bruhl GmbH. Method of and apparatus for producing molds and mold sections and cores. 4,809,763, 3-7-89, Cl. 164-28.000.

Schilling, Herbert: *See—*

Riethmann, Max; and Schilling, Herbert, 4,832,111, Cl. 164-457.000.

Schilling, Jan: *See—*

Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.

Schilling, John D.: *See—*

Marz, Daniel J.; and Schilling, John D., 4,814,887, Cl. 358-195.100.

Schilling, Michel; and Reuche, Marc, to Luchaire S.A. Device for reducing ammunition drag and ammunition for receiving said device. 4,807,535, 2-28-89, Cl. 102-490.000.

Schilling, Peter; and Schreuders, Hans G., to Westvaco Corporation. Tall oil based amino esters as anti-stripping agents for asphalt. 4,806,166, 2-21-89, Cl. 106-284.060.

Schilling, Peter; and Schreuders, Hans G., to Westvaco Corporation. Cationic aqueous bituminous emulsion-aggregate slurries. 4,810,299, 3-7-89, Cl. 106-277.000.

Schilling, Peter; and Schreuders, Hans G., to Westvaco Corporation. Viscosifiers for asphalt emulsions. 4,859,245, 8-22-89, Cl. 106-277.000.

Schilling, Peter, to Westvaco Corporation. Sulfomethylated lignin amines. 4,859,362, 8-22-89, Cl. 252-312.000.

Schilling, Peter, to Westvaco Corporation. Cationic aqueous bituminous emulsion-aggregate slurries. 4,861,377, 8-29-89, Cl. 106-277.000.

Schilling, Peter; and Schreuders, Hans G., to Westvaco Corporation. Cationic aqueous bituminous emulsion-aggregate slurries preparation. 4,877,457, 10-31-89, Cl. 106-277.000.

Schilling, Robert J.: *See—*

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Schilling, Walter W.: *See—*

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Schillinger, Wolfgang; Halswig, Andreas; and Zehnder, Wolfgang, to Gebruder Junghans GmbH. Fuse for low-spin or non-spin projectiles. 4,876,960, 10-31-89, Cl. 102-249.000.

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Schilz, Germain: *See—*

Legille, Edouard; Lonardi, Emile; and Schilz, Germain, 4,820,105, Cl. 414-200.000.

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Schimandle, John J.: *See—*

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Schimanski, Georg: *See—*

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Schimion, Werner; Kusche, Gerhard; and Reucker, Klaus, to SMS Schloemann-Siemag Aktiengesellschaft. Apparatus for monitoring the mixing relationship of two liquids. 4,801,863, 1-31-89, Cl. 324-61.00R.

Schimko, Reinhold, to Universal Maschinenfabrik Dr. Rudolf Schieber GmbH & Co. KG. Flat knitting machine. 4,819,455, 4-11-89, Cl. 66-75.100.

Schimmel, Gunther; Gradl, Reinhard; and Schrodter, Klaus, to Hoechst Aktiengesellschaft. Process for making phosphoric acid free from titanium. 4,806,324, 2-21-89, Cl. 423-321.00S.

Schimmel, Gunther: *See—*

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Schimmel, Harry: *See—*

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Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, to Steyr-Daimler-Puch AG. System for optimizing driving parameters in utility vehicles. 4,885,690, 12-5-89, Cl. 364-424.100.

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Schimpe, Robert, to Siemens Aktiengesellschaft. Arrangement comprising a planarly extending thin-film waveguide. 4,869,568, 9-26-89, Cl. 350-96.120.

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Schindele, Ernst F., to Fairfield Medical Products Corporation. Symmetrical single medical gas rail apparatus. 4,807,659, 2-28-89, Cl. 137-360.000.

Schindl, Klaus, and Moser, Karl, to Reichert-Jung Optische Werke A.G. Microscope having an easily removable lamp structure. 4,818,085, 4-4-89, Cl. 350-528.000.

Schindler, Bernd: *See—*

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Schindler, Fritz, to Huls Aktiengesellschaft. Method of producing a mushroom aroma in mushroom cell masses. 4,810,504, 3-7-89, Cl. 426-7.000.

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Schindler, Horst; and Reekers, Adriaan A., to Norddeutsche Seekabelwerke Aktiengesellschaft. Light cover, especially a plate-shaped or bowl-shaped lamp cover. 4,825,346, 4-25-89, Cl. 362-311.000.

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Schindler, Ursula: *See—*

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Zoller, Gerhard; Beyerle, Rudi; Schindler, Ursula; Nitz, Rolf-Eberhard; and Martorana, Piero, 4,837,225, Cl. 514-427.000.

Schindler, Wolfgang. Delivery device. 4,813,752, 3-21-89, Cl. 312-268.000.

Schingh, Pierre J., to Mitel Corp. DC control circuit. 4,803,721, 2-7-89, Cl. 379-399.000.

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Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,843,086, Cl. 514-367.000.

Griss, Gerhart, deceased; Schneider, Claus; Hurnaus, Rudolf; Kobinger, Walter; Pichler, Ludwig; Bauer, Rudolf; Mierau, Joachim; Hinzen, Dieter; and Schingnitz, Gunter, 4,886,812, Cl. 514-321.000.

Schink, Helmut, to Siemens Aktiengesellschaft. Frequency-doubling amplifying surface wave receiver. 4,839,607, 6-13-89, Cl. 330-5.500.

Schinkel, Ingo; and Klein, Rudi, to Wolff Walsrode Aktiengesellschaft. Heat-sealable, stretched composite flims. 4,830,918, 5-16-89, Cl. 428-349.000.

Schinkel, Ingo; and Bohner, Jurgen, to Wolff Walsrode Aktiengesellschaft. Heat-sealable multi-layer films of polyolefins. 4,842,930, 6-27-89, Cl. 428-349.000.

Schinn, Dale R. Paint equipment cleaning apparatus. 4,815,486, 3-28-89, Cl. 134-111.000.

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Carter, Thomas P.; Haman, Lindsay L.; Miller, Robert P.; and Schinner, Edward N., 4,831,831, Cl. 62-59.000.

Schinski, Erhard: *See—*

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Schinzel, Erich; and Martini, Thomas, to Hoechst Aktiengesellschaft. Naphthalimides containing sulfuric acid ester groups, a process for their preparation and their use. 4,814,453, 3-21-89, Cl. 546-98.000.

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Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,830,728, Cl. 208-78.000.

Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,853,105, Cl. 208-74.000.

Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,853,187, Cl. 422-144.000.

Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,861,741, Cl. 502-67.000.

Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,863,585, Cl. 208-74.000.

Herbst, Joseph A.; Owen, Hartley; and Schipper, Paul H., 4,865,718, Cl. 208-70.000.

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Schippers, Heinz; and Gerhartz, Siegmar, to Barmag AG. Method for winding filament yarns. 4,798,347, 1-17-89, Cl. 242-18.00R.

Schippers, Jacob. Process and apparatus for automatically positioning an explosive charge above the surface of snow. 4,817,529, 4-4-89, Cl. 102-302.000.

Schippers, Norbert: *See—*

Raasch, Hans; Schlosser, Helmut; Ruge, Joachim; Goebbels, Heinz-Dieter; Lassmann, Manfred; and Schippers, Norbert, 4,825,632, Cl. 57-264.000.

Schippers, Wilhelmus J. H., to Van Der Heyden, Iris M. P. Method for processing substantially solid organic material. 4,826,573, 5-2-89, Cl. 201-6.000.

Schips AG Nahautomation: *See—*

Schips, Helmut, 4,841,889, Cl. 112-262.300.

Schips, Helmut, to Schips AG Nahautomation. Method and apparatus for making contour seams. 4,841,889, 6-27-89, Cl. 112-262.300.

Schira, Renato: *See—*

Nidola, Antonio; Schira, Renato; and de Nora, Oronzio, 4,834,851, Cl. 204-114.000.

Traini, Carlo; Leone, Tomaso; and Schira, Renato, 4,828,653, Cl. 204-23.000.

Schiraldo, Donald R. Toe exercise device. 4,869,499, 9-26-89, Cl. 272-137.000.

Schirico, John P., to Paulucci, Jeno F. Heated delivery bag. 4,806,736, 2-21-89, Cl. 219-386.000.

Schirk, Karl-Heinz: *See—*

Eckstein, Wolfgang; and Schirk, Karl-Heinz, 4,828,590, Cl. 55-316.000.

Schirmacher, Manfred, to Schering Aktiengesellschaft. Monitoring system. 4,874,015, 10-17-89, Cl. 137-637.050.

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Bischoff, Edelbert; and Schirmacher, Wolfgang, 4,806,490, Cl. 436-98.000.

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Kuemmerling, Rolf; Mueller, Manfred; Schirmag, Klaus-Peter; and Nickel, Wilhelm, 4,803,861, Cl. 72-97.000.

Schirmer, Henry G., to W. R. Grace & Co. Multilayer laminate of self supporting films. 4,803,122, 2-7-89, Cl. 428-349.000.

Schirmer, Henry G., to W.R. Grace & Co. Vacuum skin package for closing two moisture impervious metallic sheets about a product. 4,815,602, 3-28-89, Cl. 206-497.000.

Schirmer, Henry G., to W. R. Grace & Co. Thermoformable barrier sheet. 4,847,148, 7-11-89, Cl. 428-332.000.

Schirmer, Henry G., to W. R. Grace & Co. Highly formable laminates. 4,853,287, 8-1-89, Cl. 428-349.000.

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Schirmer, Henry G., to W. R. Grace & Co. Method for making a vacuum skin package. 4,881,359, 11-21-89, Cl. 53-427.000.

Schirmer, Henry G.: *See—*

Mueller, Walter B.; and Schirmer, Henry G., 4,816,343, Cl. 428-480.000

Mueller, Walter B.; and Schirmer, Henry G., 4,885,119, Cl. 264-22.000.

Schirmer, Robert M., to Phillips Petroleum Company. Method and apparatus for the recovery of hydrocarbons. 4,861,263, 8-29-89, Cl. 431-158.000.

Schirmer, Ulrich: *See—*

Becker, Rainer; Wriede, Ulrich; Schirmer, Ulrich; Parg, Adolf; Wuerzer, Bruno; and Meyer, Norbert, 4,844,729, Cl. 71-92.000.

Jahn, Dieter; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Jung, Johann; and Rademacher, Wilhelm, 4,812,160, Cl. 71-88.000.

Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich, Ammermann, Eberhard: Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, 4,822,908, Cl. 560-60.000.

Kast, Juergen; Keil, Michael; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,842,638, Cl. 71-88.000.

Keil, Michael; Schirmer, Ulrich, Kolassa, Dieter; Kast, Juergen; Rademacher, Wilhelm; and Jung, Johann, 4,820,331, Cl. 71-88.000.

Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.

Kolassa, Dieter; Keil, Michael; Schirmer, Ulrich; Theobald, Hans; Becker, Rainer; Wuerzer, Bruno; and Meyer, Norbert, 4,880,456, Cl. 71-88.000.

Saupe, Thomas; Klebe, Gerhard; Schirmer, Ulrich; Paul, Gerhard; Kober, Reiner; Wuerzer, Bruno; Berghaus, Rainer; Meyer, Norbert; and Westphalen, Karl-Otto, 4,881,969, Cl. 71-94.000.

Schirmuly, Klaus: *See—*

Ackermann, Werner; and Schirmuly, Klaus, 4,814,210, Cl. 427-433.000.

Schisler, Jacques, to C.E.E. Compagnie Europeene des Emballages. Bundle of supple bags, made of fine material such as plastics material or paper. 4,796,759, 1-10-89, Cl. 206-554.000.

Schisler, Robert C., to Goodyear Tire & Rubber Company, The. Fluid actuator. 4,795,016, 1-3-89, Cl. 192-88.00A.

Schisler, Robert C.: *See—*

Allen, Terry F.; and Schisler, Robert C., 4,873,290, Cl. 525-337.000.

Candle, Richard D.; and Schisler, Robert C., 4,857,253, Cl. 264-130.000.

Schissel, David N., to General Electric Company. Anisotropic melt-forming copolycarbonate from 4,4′-dihydroxy biphenyl and methyl hydroquinone. 4,831,105, 5-16-89, Cl. 528-204.000.

Schissel, David N.; Langer, Matthew E.; and Yeager, Gary W., to General Electric Company. Liquid crystalline polyesters. 4,847,351, 7-11-89, Cl. 528-193.000.

Schissel, David N.: *See—*

Langer, Matthew E.; Schissel, David N.; and Yeager, Gary W., 4,845,184, Cl. 528-193.000.

Yeager, Gary W.; and Schissel, David N., 4,873,371, Cl. 568-33.000.

Schitinin, Valery E.: *See—*

Akopov, Ernest M.; Schitinin, Valery E.; and Arapova, Anna V., 4,802,578, Cl. 206-339.000.

Schittenhelm, Hans-Joachim; and Joseph, Werner, to Bayer Aktiengesellschaft. Enamel frits for sheet steel with improved bonding. 4,847,218, 7-11-89, Cl. 501-21.000.

Schittenhelm, Rudolf: *See—*

Klingenbeck, Klaus; and Schittenhelm, Rudolf, 4,798,209, Cl. 128-653.000.

Reichenberger, Helmut; and Schittenhelm, Rudolf, 4,879,993, Cl. 128-24.00A.

Schittny, Stephan-U.: *See—*

Hausselt, Juergen; Schittny, Stephan-U.; and Kaufmann, Dieter, 4,803,046, Cl. 420-83.000.

Schivley, George P., to Ingersoll-Rand Company. Drill pipe handling device. 4,834,441, 5-30-89, Cl. 294-90.000.

Schiweck, Hubert; and Vogel, Manfred, to Suddeutsche Zucker-Aktiengesellschaft. Process for production of crystalline L-arabinose. 4,816,078, 3-28-89, Cl. 127-36.000.

Schiwik, Peter: *See—*

Haak, Wilhelm; Schiwik, Peter; and Rover, Gerd, 4,842,015, Cl. 137-543.230.

Schiwiora, Harry: *See—*

Groll, Werner; Steinke, Rudi; and Schiwiora, Harry, 4,806,306, Cl. 420-467.000.

Wagner, Rudolf, Schiwiora, Harry; Stumke, Manfred; and Groll, Werner, 4,836,984, Cl. 420-464.000.

Schlachter, Fredo, to Manville Corporation. Method for the manufacture of a composite fiber, web, strand or roving. 4,863,502, 9-5-89, Cl. 65-4.300.

Schlachter, Fredo E. L., to Glaswerk Schuller GmbH. Process and mechanism for the production of glass fiber products for example fleece, mats, yarns and rovings. 4,824,456, 4-25-89, Cl. 65-4.400.

Schlachter, Reimund; and Homann, Bodo, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Latching arrangement for a top at the windshield frame of a motor vehicle. 4,830,426, 5-16-89, Cl. 296-121.000.

Schladetsch, Hans J.: *See—*

Mischke, Peter; and Schladetsch, Hans J., 4,889,923, Cl. 534-597.000.

Schlaechter, John: *See—*

DiNovo, Salvatore T.; Schlaechter, John; and Brown, Roy S., 4,850,199, Cl. 62-114.000.

Schlaefer, Dieter; Kochanek, Wolfgang; and Leutner, Bernd, to BASF Aktiengesellschaft. Removal of chlorate from caustic soda. 4,837,002, 6-6-89, Cl. 423-641.000.

Schlaefke, Marianne E.; and Hopmeier, Joachim, to Hellige GmbH. Apparatus and method for preventing hypoxic damage. 4,813,427, 3-21-89, Cl. 128-671.000.

Schlaegel, Gene A. Fishing device. 4,796,376, 1-10-89, Cl. 43-42.290.

Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, to Hoechst Aktiengesellschaft. Water-soluble disazo compounds, containing triazinyl pyridinium group processes for their preparation and their use for dyeing cellulose. 4,806,127, 2-21-89, Cl. 8-549.000.

Schlafer, Ludwig; Springer, Hartmut; and Kunze, Michael, to Hoechst Aktiengesellschaft. Process for dyeing hydroxy-containing fiber material with water-soluble dis-azo reactive dye compound. 4,808,193, 2-28-89, Cl. 8-549.000.

Schlafer, Ludwig, to Hoechst Aktiengesellschaft. Water-soluble disazo compounds containing the 1-amino-8-hydroxy-3,6-disulfo-naphthalene moiety as a bivalent coupling component and an aniline or naphthylamine compound having a fiber-reactive group, and a 2-sulfo-5-acylamino-aniline. 4,818,814, 4-4-89, Cl. 534-642.000.

Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, to Hoechst Aktiengesellschaft. Water-soluble disazo compounds containing 3-carboxy or 3-carbamoylpyridium-s-triazinyl groups and fiber-reactive groups of the vinyl sulfone series suitable as dyestuffs. 4,845,202, 7-4-89, Cl. 534-605.000.

Schlafer, Ludwig; Springer, Hartmut; and Hahnle, Reinhard, to Hoechst Aktiengesellschaft. Reactive water-soluble azo dyes containing carboxy- or carbamoyl-pydridinium groups for dyeing textiles. 4,861,344, 8-29-89, Cl. 8-532.000.

Schlag, Johannes; Koehnlein, Ernst; Bauer, Peter; Koessler, Ludwig; and Hausz, Alfred F., to BASF Aktiengesellschaft. Cable insulation based on ethylene polymers having high resistance to the formation of water trees. 4,876,147, 10-24-89, Cl. 428-379.000.

Schlage Lock Company: *See—*

Allison, James R.; and Bolin, Garry J., 4,890,093, Cl. 340-567.000.

Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.

Lasier, Thomas R.; and Downey, William L., 4,835,905, Cl. 49-14.000.

Lasier, Thomas R.; and Ford, Thomas G., 4,864,686, Cl. 16-95.00R.

Nimee, George S.; and Current, Andrew, 4,852,919, Cl. 292-251.500.

Prell, Edward T., 4,795,896, Cl. 235-482.000.

Prell, Edward T.; and Jacobs, Stephen M., 4,833,830, Cl. 49-463.000.

Smallegan, Jon M.; and Mathews, Keith L., 4,834,432, Cl. 292-169.210.

Smallegan, Jon M.; and Bettger, Richard R., 4,875,352, Cl. 70-395.000.

Smallegan, Jon M.; and Bettger, Richard R., 4,884,835, Cl. 292-357.000.

Urdal, Jan, 4,866,965, Cl. 70-481.000.

Schlager, Harald: *See—*

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Schlager, Kenneth J.; and Gorski, Stephen H., to Biotronics Associates, Inc. Lamp-based laser simulator. 4,860,172, 8-22-89, Cl. 362-32.000.

Schlager, Kenneth J., to Biotronics Associates, Inc. Non-invasive near infrared measurement of blood analyte concentrations. 4,882,492, 11-21-89, Cl. 250-346.000.

Schlager, Ludwig H., to Gerot-Pharmazeutika Gesellschaft m.b.H. Quinazoline compounds. 4,795,750, 1-3-89, Cl. 514-260.000.

Schlagmueller, Walter: *See—*

Linder, Ernst; Rembold, Helmut; and Schlagmueller, Walter, 4,831,986, Cl. 123-449.000.

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Schlaifer Nance & Co., Inc.: *See—*

Schlaifer, Roger L., 4,838,827, Cl. 446-327.000.

Schlaifer, Roger L., to Schlaifer Nance & Co., Inc. Waddling toy figure and method of using same. 4,838,827, 6-13-89, Cl. 446-327.000.

Schlaikjer, Carl R., to Battery Engineering Inc. Lithium/bromine energy cell. 4,849,310, 7-18-89, Cl. 429-105.000.

Schlak, Ottfried: *See—*

Grape, Wolfgang; Schlak, Ottfried; and Braun, Rolf M., 4,831,169, Cl. 556-451.000.

Reiners, Jurgen; Schlak, Ottfried; Podszun, Wolfgang; and Winkel, Jens, 4,843,136, Cl. 526-279.000.

Steinbach, Hans-Horst; Ackermann, Jurgen; and Schlak, Ottfried, 4,818,423, Cl. 252-49.600.

Schlake, Bernard H., to Neyra Industries, Inc. Double-acting diaphragm pump system. 4,818,191, 4-4-89, Cl. 417-390.000.

Schlake, Randall L.: *See—*

Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,833,436, Cl. 336-60.000.

Martin, Richard W.; Fisher, John L.; Fortenberry, William R.; Schlake, Randall L.; Dornbrock, Ronald F.; Richerson, James D.; and Marrett, Kenneth E., Sr., 4,875,277, Cl. 29-606.000.

Schlameus, Herman W.; Lew, Chel W.; and Atkinson, Donald M., to Chesebrough-Pond's Inc. Method of forming fluid filled microcapsules. 4,888,140, 12-19-89, Cl. 264-4.300.

Schlameus, Herman W.: *See—*

Wilson, Wilfred W.; Polemenakos, Sotiros C.; Potter, J. Larry; Mangold, Donald J.; Harlowe, William W.; and Schlameus, Herman W., 4,874,611, Cl. 424-410.000.

Schlanger, William J., to Unison Technologies, Inc. Ring detector. 4,805,213, 2-14-89, Cl. 379-373.000.

Schlanzke, Claus: *See—*

Feldmann, Hugo; Muller, Hubert; and Schlanzke, Claus, 4,803,863, Cl. 72-199.000.

Feldmann, Hugo; Muller, Herbert; and Schlanzke, Claus, 4,813,257, Cl. 72-199.000.

Schlapfer, Hans U.: *See—*

Renn, John O.; Schlapfer, Hans U.; Hammerquist, Kenneth G.; and Caraconstantis, Charalambos, 4,823,162, Cl. 355-40.000.

Schlapp, Albert, to Rockwell-Golde GmbH. Sliding roof for automobiles. 4,802.707, 2-7-89, Cl. 296-214.000.

Schlapp, Albert, to Rockwell-Golde GmbH. Lid liner for the rigid lid of a sliding-lifting roof for automobiles. 4,813,737, 3-21-89, Cl. 296-214.000.

Schlapp, Albert: *See—*

Luksch, Kurt; and Schlapp, Albert, 4,867,503, Cl. 296-217.000.

Schlaps, Edgar H.: *See—*

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Schlask, Arthur: *See—*

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Schlater, Rodney T., to Hewlett-Packard Company. Method and apparatus for achieving variable and infinite persistence. 4,829,293, 5-9-89, Cl. 340-722.000.

Schlaudecker, Thomas E., to Merck & Co., Inc. Bottle and cap closure system. 4,886,175, 12-12-89, Cl. 215-32.000.

Schlautmann, Heinrich. Tire curing mold. 4,828,471, 5-9-89, Cl. 425-29.000.

Schlawne, Friedhelm, to Mannesmann AG. Defect detection in cylindrical objects. 4,817,431, 4-4-89, Cl. 73-600.000.

Schlebener, Claus: *See—*

Kristof, Wolfgang; Schlebener, Claus; and Linde, Gerhard, 4,836,988, Cl. 422-171.000.

Schlechtriem, Klaus: *See—*

Kullmann, Bernhard; Remfrey, James; and Schlechtriem, Klaus, 4,842,340, Cl. 303-7.000.

Schlecker, Rainer; and Ruebsamen, Klaus, to BASF Aktiengesellschaft. Benzofuran derivatives and antiulcerogenic agents containing same. 4,845,096, 7-4-89, Cl. 514-233.500.

Schlecker, Rainer: *See—*

Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.

Schledorn, Martin, to Internationale Octrooi Maatschappij "Octropa" B.V. PVC film for the production of identity cards. 4,803,114, 2-7-89, Cl. 428-208.000.

Schlee, Karl H.: *See—*

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Schlee, Karl-Heinz: *See—*

Naser, Georg; Reichenberger, Helmut; and Schlee, Karl-Heinz, 4,878,488, Cl. 128-24.00A.

Schlegel Corporation: *See—*

Buonanno, Samuel S., 4,857,668, Cl. 174-35.0GC.

Kaye, Randy L., 4,818,014, Cl. 296-146.000.

Kehrli, David W.; and Burrous, Allen J., 4,831,779, Cl. 49-471.000.

Rogers, Tracy G.; Nier, Michael R.; and Moran, John, 4,854,077, Cl. 49-322.000.

Schlegel, Dallas E.: *See—*

Grosklos, John R.; and Schlegel, Dallas E., 4,821,383, Cl. 29-33.00M.

Schlegel, Donald C.; and Johnson, Robert E., to Sterling Drug Inc. N-(ω-cyanoalkyl)aminophenols and use as inhibitors of lipoxygenase activity. 4,835,180, 5-30-89, Cl. 514-523.000.

Schlegel, Hans: *See—*

Dunwald, Willi; Schlegel, Hans; Halpaap, Reinhard; and Pedain, Josef, 4,853,261, Cl. 427-388.100.

Schlegel, Hans-Joachim. Intra-ocular implant lens. 4,863,466, 9-5-89, Cl. 623-6.000.

Schlegel, Kurt; and Betz, C. Friedemann, to Obisco Trading & Consulting S.A. Small-arm and ammunition in shot form for the same. 4,852,457, 8-1-89, Cl. 89-6.500.

Schlegel, Kurt; and Betz, C. Friedemann, to Obisco Trading & Consulting S.A. Small-arm ammunition in shot form. 4,864,935, 9-12-89, Cl. 102-438.000.

Schlegl, Eugen, to Krauss-Maffei A.G. Chain track. 4,842,346, 6-27-89, Cl. 305-38.000.

Schleich, Donald, to Polytechnic University, The. Method for the preparation of high surface area amorphous transition metal chalcogenides. 4,801,441, 1-31-89, Cl. 423-509.000.

Schleich, Gunther, to Index-Werke Komm.-Ges. Hahn & Tessky. Turret with several drivable tool spindles for a machine tool. 4,872,244, 10-10-89, Cl. 29-40.000.

Schleich, Gunther: *See—*

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Schleicher, Anton M.: *See—*

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Schleicher, Hans: *See—*

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Goldhammer, Albert; Schleicher, Hans; Stangenberg, Hartmut; and Gasteier, Rolf, 4,881,692, Cl. 241-167.000.

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Schleicher, Israel D.; and Russell, Robert H., to North American Philips Corporation. High voltage pulse power drive. 4,821,706, 4-18-89, Cl. 128-660.010.

Schleicher, John. Process and apparatus for painting golf holes. 4,797,305, 1-10-89, Cl. 427-236.000.

Schleicher, Robert W.: *See—*

Yampolsky, Jack S.; Cavallaro, Leonardo; Paulovich, Kenneth F.; and Schleicher, Robert W., 4,863,675, Cl. 376-298.000.

Schleicher & Schuell GmbH: *See—*

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Schleicher, Ulrich: *See—*

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Schleicher, Wolfram: *See—*

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Schleier, Gisbert: *See—*

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Schleiermacher, Herbert: *See—*

Bauer, Lothar; Strusch, Wolfgang; Hartmann, Ernst-Siegfried; Schleiermacher, Herbert; and Wahnschaffe, Juergen, 4,834,030, Cl. 123-41.720.

Wahnschaffe, Jurgen; Hartmann, Ernst-Siegfried; and Schleiermacher, Herbert, 4,834,029, Cl. 123-41.420.

Schleifer, Bernhard: *See—*

Gschwender, Alois; Kruger, Horst; and Schleifer, Bernhard, 4,875,827, Cl. 415-111.000.

Schleiffarth, James W., to Oil Recovery Systems Inc. Oil and water filter and process for dewatering oil sludge. 4,834,889, 5-30-89, Cl. 210-708.000.

Schleifstein, Robert A., to Ethyl Corporation. Flame retardant polypropylene based formulations. 4,804,698, 2-14-89, Cl. 524-89.000.

Schleifstein, Robert A., to Ethyl Corporation. Polyamide composition. 4,820,770, 4-11-89, Cl. 525-133.000.

Schleifstein, Robert A., to Ethyl Corporation. Thermoplastic formulations. 4,857,597, 8-15-89, Cl. 525-151.000.

Schleimann-Jensen, Lars J.; Engding, Alf E.; and Astrom, Anders F., to U.S. Philips Corporation. Gyroslabilized optical radiation deflection device providing a stabilized radiation sensitivity lobe. 4,879,460, 11-7-89, Cl. 250-230.00R.

Schleimer, Stephen I.: *See—*

Clancy, Gerald F.; Mundie, Craig J.; Schleimer, Stephen I.; Wallach, Steven J.; and Bratt, Richard G., 4,821,184, Cl. 364-200.000.

Schlein, Allen P., to Viratec, Inc. Apparatus and method for decontaminating virus-infected body fluids. 4,855,064, 8-8-89, Cl. 210-764.000.

Schleinkofer, Ludwig; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Electrical signal observing device. 4,870,350, 9-26-89, Cl. 324-121.00R.

Schleizer, William A.: *See—*

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,875,662, Cl. 266-44.000.

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,880,211, Cl. 266-44.000.

Schlemenat, Alfred; and David, Helmut, to Man Gutehoffnungschutte GmbH. Tubular heat exchanger. 4,852,644, 8-1-89, Cl. 165-158.000.

Schlemmer, Bernd: *See—*

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Schlemmer, Harry: *See—*

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Schlemmer, Lothar: *See—*

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Taubitz, Christof; Gausepohl, Hermann; Seiler, Erhard; and Schlemmer, Lothar, 4,797,453, Cl. 525-397.000.

Schlensker, Greg A. Fish tank filter. 4,851,112, 7-25-89, Cl. 210-123.000.

Schlensker, Herbert, to VIA GmbH. Measuring gas cooling device. 4,829,778, 5-16-89, Cl. 62-272.000.

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Schlienger, Max P., to Retech, Inc. Melting retort and method of melting materials. 4,861,001, 8-29-89, Cl. 266-242.000.

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Schloman, William W., Jr.; Cole, William M.; Clark, Frank J.; and Beinor, Robert T., to Firestone Tire & Rubber Company, The. Stabilization of guayule-type rubbers. 4,829,117, 5-9-89, Cl. 524-313.000.

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LaVene, Leon F.; and Palajac, Peter, Jr., 4,842,309, Cl. 285-319.000.
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  - Muhlemann, Hans R.; and Schmid, Hans, 4,828,822, Cl. 424-52.000.
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- Schmid, Heinrich: *See—*
  - Bayer, Thomas; Elsasser, Michael; Greschner, Johann; Schmid, Heinrich; Stohr, Roland; Wolter, Olaf; and Wittlinger, Jurgen, 4,843,315, Cl. 324-158.00P.
- Schmid, Helmut: *See—*
  - Hoppe, Olaf; Schmid, Helmut; Reinschutz, Peter; and Weggenmann, Karl, 4,848,308, Cl. 125-7.000.
- Schmid, Jean: *See—*
  - Hayward, Marshall; and Schmid, Jean, 4,866,082, Cl. 514-367.000.
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  - Wolfer, Peter; Schaffner, Georges; and Schmid, Jean-Jacques, 4,800,760, Cl. 73-862.680.
- Schmid, Jean-Pnillipe. Locking mechanism. 4,882,817, 11-28-89, Cl. 24-707.600.
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  - Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, 4,839,098, Cl. 252-557.000.
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  - Laurita, Joseph N., 4,856,980, Cl. 425-572.000.
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- Schmid, Max: *See—*
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  - Breuer, Edgar; Costello, Philip; Gondek, Konrad; Hauswirth, Andreas; and Schmid, Richard, 4,850,761, Cl. 409-132.000.
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  - Campisi, Carl; Kaliszek, Andrew; Klein, Elmer M.; Schmid, Richard G.; and Bradfish, Thomas J., 4,817,272, Cl. 29-741.000.
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- Schmid, Rolf; Stauffer, Werner; and Zahir, Abdul-Cader, to Ciba-Geigy Corporation. Mixtures containing polymides alkenyphenols and either epoxide group-free adducts or another polyimide 4,826,927, 5-2-89, Cl. 525-422.000.
- Schmid, Rudolf: *See—*
  - Coffen, David L.; Schmid, Rudolf; and Sebastian, Mark J. 4,853,472, Cl. 549-407.000.
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- Schmid, Steven R.: *See—*
  - Murray, Kevin P.; Ansel, Robert E.; and Schmid, Steven R. 4,822,841, Cl. 524-356.000.
- Schmid, Werner: *See—*
  - Stocker, Arthur; and Schmid, Werner, 4,805,313, Cl. 33-241.000.
- Schmid, Wolfgang, to Ciba-Geigy Corporation. Process and compositions for controlling mites parasitizing on honey bees. 4,876,2 10-24-89, Cl. 514-370.000.
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  - Will, Erich; Harms, Harry; Lullman, Johannes; Illgen, Edgar; Boseck, Siegfried; Schmidbauer, Georg; and Kreitlow, Hors 4,806,746, Cl. 250-201.000.
- Schmidhalter, Beat: *See—*
  - Moskovits, Martin; and Schmidhalter, Beat, 4,808,279, Cl. 204-28.000.
- Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, to Wacker-Chemie GmbH. Process for purification of HCl from pyrolysis of EDC. 4,839,151, 6-13-89, Cl. 423-488.000.
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  - Dummer, Gerhard; Haselwarter, Klaus; Klaus, Hermann; Schmidhammer, Ludwig; and Strasser, Rudolf, 4,822,932, Cl. 570-226.000.
- Schmidl, Benno: *See—*
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- Schmidli, Pierre, to ETA SA Ebauches. Analog electronic watch that indicates the day of the week and the ordinal of the month. 4,815,051, 3-21-89, Cl. 368-37.000.
- Schmidli, Wilheim: *See—*
  - Quadranti, Marco; Schmidli, Wilheim; and Zoschke, Andreas 4,840,663, Cl. 71-93.000.
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- Schmidt, Adolf: *See—*
  - Hendricks, Udo-Winfried; and Schmidt, Adolf, 4,859,374, Cl. 56-102.000.
- Schmidt, Alan W.: *See—*
  - Kilk, Erik; Smith, David A.; and Schmidt, Alan W., 4,890,236, Cl. 364-485.000.
- Schmidt, Albert: *See—*
  - Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen 4,799,753, Cl. 350-96.180.
- Schmidt, Albert L.: *See—*
  - Sherwin, Gary W.; Schmidt, Albert L.; and Hanes, Lewis F. 4,861,154, Cl. 351-205.000.
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  - Axelrod, Barry H.; Durst, Robert T., Jr.; Hunter, Kevin D.; and Schmidt, Alfred C., 4,797,832, Cl. 364-478.000.
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- Schmidt, Anton: *See—*
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- Schmidt, Arnold W., Jr.; and Habeck, James E., to Habitec International, Inc. Package handle. 4,828,310, 5-9-89, Cl. 294-153.000.
- Schmidt, Arthur A.: *See—*
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- Schmidt, Bodo: *See—*
  - Weiler, Rolf; Panek, Claus-Peter; and Schmidt, Bodo, 4,842,103, Cl. 188-71.900.
- Schmidt, Charles J. Gas detector for measuring coacting surfaces. 4,806,913, 2-21-89, Cl. 340-679.000.
- Schmidt, Charles W.: *See—*
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- Schmidt, Christopher O.: *See—*
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  - Goedken, James; and Schmidt, Clayton, 4,887,873, Cl. 312-184.000.
- Schmidt, Clayton C.; and Steinbeck, Linn A., to HON Industries, Inc. Table with vertically adjustable work surface. 4,843,978, 7-4-89, Cl. 108-138.000.
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  - Honig, Ernst-August; Kaspar, Lothar; Kalversberg, Manfred; Oberpichler, Gerd; Hagemann, Gottfried; and Schmidt, Dieter, 4,811,631, Cl. 74-762.000.
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- Schmidt, Donald L.: *See—*
  - Cadotte, John E.; and Schmidt, Donald L., 4,812,238, Cl. 210-636.000.
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  - Davis, Thomas E.; Schmidt Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,797,187, Cl. 204-180.200.
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  - Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.
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  - Reinl, Hubert; and Schmidt, Elke, 4,857,356, Cl. 426-620.000.
- Schmidt, Emmanuel: *See—*
  - Jeanne, Francis; Lombard, Serge; and Schmidt, Emmanuel, 4,801,359, Cl. 204-1.00T.
- Schmidt, Erhard: *See—*
  - Hassler, Dietrich; and Schmidt, Erhard, 4,834,106, Cl. 128-660.030.
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  - Pfizenmaier, Heinz; and Schmidt, Ewald, 4,817,189, Cl. 455-6.000.
- Schmidt, F. Walter: *See—*
  - Kezes, C. Albert; Schmidt, F. Walter; and Buehler, Amsey, 4,803,998, Cl. 128-759.000.
- Schmidt, Ferenc J.: *See—*
  - Doty, Mitchell E.; and Schmidt, Ferenc J., 4,836,012, Cl. 73-23.000.
- Schmidt, Fred K., to General Motors Corporation. Extrusion casting method. 4,849,045, 7-18-89, Cl. 156-244.240.
- Schmidt, Frederick A.; Verhoeven, John D.; and Gibson, Edwin D., to Iowa State University Research Foundation, Inc. Molybdenum-copper and tungsten-copper alloys and method of making. 4,832,738, 5-23-89, Cl. 75-10.230.
- Schmidt, Friedrich-Georg: *See—*
  - Finke, Juergen; Bartmann, Martin; and Schmidt, Friedrich-Georg, 4,868,272, Cl. 528-172.000.
- Schmidt, Gary W.: *See—*
  - Bujese, David P.; and Schmidt, Gary W., 4,879,184, Cl. 430-126.000.
- Schmidt, Gerald W.: *See—*
  - Gorton, Lanny A.; and Schmidt, Gerald W., 4,832,299, Cl. 248-231.700.
- Schmidt, Gerhard; and Schmidt, Heinz. Radiant heater. 4,823,768, 4-25-89, Cl. 126-91.00R.
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- Schmidt, Gregory F.; and Campbell, Richard E., Jr., to Dow Chemical Company, The. Polymerization of vinyl aromatic monomers using cyclopentadienyl zirconium catalysts. 4,808,680, 2-28-89, Cl. 526-160.000.
- Schmidt, Gregory J.: *See—*
  - Solheim, John A.; and Schmidt, Gregory J., 4,834,235, Cl. 206-315.700.
- Schmidt, Gudrun. Vertically adjustable motor-vehicle safety-belt mount. 4,826,210, 5-2-89, Cl. 280-808.000.
- Schmidt, Guenther: *See—*
  - Grolig, Gerhard; and Schmidt, Guenther, 4,855,186, Cl. 428-216.000.
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- Schmidt, Gunther: *See—*
  - Jensen, Christian; and Schmidt, Gunther, 4,880,322, Cl. 400-167.000.
- Schmidt, Hans: *See—*
  - Klein, Lutz; Panofski, Ernst; Eckstein, Gerd-Otto; Schmidt, Hans; and Plischke, Josef, 4,801,323, Cl. 65-108.000.
- Schmidt, Hans-Friedrich: *See—*
  - Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quella, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, 4,853,252, Cl. 427-53.100.
  - Portugall, Michael; Sterzel, Hans-Josef; Blinne, Gerd; Vondenhagen, Heinz-Dieter; Seiler, Erhard; Schmidt, Hans-Friedrich; and Von Tomkewitsch, Sybille, 4,802,061, Cl. 361-400.000.
- Schmidt, Hans-Jurgen: *See—*
  - Richter, Ekkehard; Juntgen, Harald; Schmidt, Hans-Jurgen; and Knoblauch, Karl, 4,855,116, Cl. 423-239.000.
- Schmidt, Hans-Werner: *See—*
  - Heitz, Walter; and Schmidt, Hans-Werner, 4,866,154, Cl. 528-190.000.
- Schmidt, Harald: *See—*
  - Lentz, Norbert; and Schmidt, Harald, 4,830,258, Cl. 228-17.500.
  - Rollenitz, Leopold; Krenn, Andreas; Schmidt, Harald; and Freudenschuss, Otto, 4,852,535, Cl. 123-357.000.
- Schmidt, Harald H.; and McEnroe, Michael C., to Mold-Masters Limited. Injection molding system with nozzles in tandem. 4,818,217, 4-4-89, Cl. 425-549.000.
- Schmidt, Harald H.: *See—*
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- Schmidt, Hartmuth: *See—*
  - Harting, Dietmar; Nagel, Hans; Nowacki, Horst; and Schmidt, Hartmuth, 4,867,710, Cl. 439-757.000.
- Schmidt, Heinrich: *See—*
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- Schmidt, Helmbrecht, to Hubner Gummi- und Kunststoff GmbH. Method for producing a bellows structure. 4,860,665. 8-29-89, Cl. 105-18.000.
- Schmidt, Helmut; Patzelt, Helmut; Tunker, Gerhard; and Scholze, Horst, to Fraunhofer-Gesellschaft zur Forderung der angewandten Forschung e.V. Lacquer, and process for producing anti-corrosion coatings. 4,840,666, 6-20-89, Cl. 106-14.050.

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Schmidt, Helmut: *See*—
  Grecksch, Ernst; and Schmidt, Helmut, 4,806,808, Cl. 310-71.000.

Schmidt, Herbert: *See*—
  Kasbauer, Josef; Fiege, Helmut; Schmidt, Herbert; and Wedemeyer, Karlfried, 4,827,057, Cl. 570-204.000.

Schmidt, Hermann; and Skroch, Rainer, to Metallgesellschaft Aktiengesellschaft. Method of and apparatus for removing dust from collector electrodes. 4,844,718, 7-4-89, Cl. 55-13.000.

Schmidt, Hermann: *See*—
  Wilski, Hans; and Schmidt, Hermann, 4,852,732, Cl. 206-204.000.

Schmidt-Hofmer, Michael, administrator: *See*—
  Fritz, Karl, deceased, 4,866,233, Cl. 219-10.55A.

Schmidt, Howard W., Jr.: *See*—
  Hendrix, Howard A.; Schmidt, Howard W., Jr.; and Ward, Ernest S., 4,802,968, Cl. 204-298.000.

Schmidt, Irold S.: *See*—
  Brown, James R.; Coatsworth, Leighton L.; and Schmidt, Irold S., 4,837,374, Cl. 422-130.000.

Schmidt, Jan. Apparatus for successive preparation of fast food articles. 4,813,572, 3-21-89, Cl. 221-150.0HC.

Schmidt, John D.; and Maurinus, Martin A., to Eastman Kodak Company. Method for encapsulating electronic devices. 4,843,036, 6-27-89, Cl. 437-224.000.

Schmidt, John M. Arrow retainer for archery. 4,862,867, 9-5-89, Cl. 124-41.00A.

Schmidt, Jon C., to Universal Recording Corporation. Variable speed film transport interlock system and method using same. 4,815,013, 3-21-89, Cl. 364-525.000.

Schmidt, Josef; and Winchell, David A., to Baxter Travenol Laboratories, Inc. Method for making containers having ports. 4,794,750, 1-3-89, Cl. 53-410.000.

Schmidt, Josef; and Woods, Dallas L., to Baxter Travenol Laboratories, Inc. Apparatus for placing a web of film under tension. 4,829,746, 5-16-89, Cl. 53-451.000.

Schmidt, Josef: *See*—
  Trumpler, Walter; and Schmidt, Josef, 4,860,167, Cl. 361-417.000.

Schmidt, Karl H., to Siegenia-Frank KG. Tilt-sliding mechanism for a window or door. 4,802,307, 2-7-89, Cl. 49-219.000.

Schmidt, Karl H., to Siegenia-Frank KG. Disengaging device. 4,829,710, 5-16-89, Cl. 49-125.000.

Schmidt, Karl H., to Siegenia-Frank KG. Limiting stop for the swinging angle of a pivoted arm. 4,838,111, 6-13-89, Cl. 74-526.000.

Schmidt, Karl H.: *See*—
  Roscher, Gunter; Schmidt, Karl H.; Hey, Hansjorg; Langner, Horst; and Andereya, Erwin, 4,818,347, Cl. 203-42.000.

Schmidt, Karlwalter: *See*—
  Abthoff, Joerg; Schuster, Hans-Dieter; Schmidt, Karlwalter; Wollenhaupt, Gottfried; and Schmitz, Hans-Georg, 4,824,363, Cl. 432-222.000.
  Oblaender, Kurt; Abthoff, Joerg; and Schmidt, Karlwalter, 4,829,963, Cl. 123-436.000.

Schmidt-Kastner, Gunter: *See*—
  Egerer, Peter; Crueger, Wulf; and Schmidt-Kastner, Gunter, 4,857,461, Cl. 435-94.000.

Schmidt, Kenneth D., to ACF Industries, Incorporated. Fluidization kit for pneumatic discharge outlet. 4,880,148, 11-14-89, Cl. 222-195.000.

Schmidt, Kenneth J.: *See*—
  Anderson, Thomas T.; Roop, Conard J.; Schmidt, Kenneth J.; and Gunchin, Elmer R., 4,829,828, Cl. 73-728.000.

Schmidt, Kevin M.: *See*—
  Sweeny, Kevin L.; Corke, Michael; and Schmidt, Kevin M., 4,822,126, Cl. 350-96.150.

Schmidt, Klaus: *See*—
  Rottmar, Werner; and Schmidt, Klaus, 4,886,938, Cl. 174-52.100.

Schmidt, Konrad. Single- or multiple-part protective cover for traction drives. 4,878,467, 11-7-89, Cl. 123-195.00C.

Schmidt, La Vern. Screw auger chemical applicator. 4,884,724, 12-5-89, Cl. 222-623.000.

Schmidt, Laurie H. Dispensers for cosmetics. 4,874,113, 10-17-89, Cl. 222-143.000.

Schmidt, Lothar; and Schumbert, Hans-Joachim, to Leybold-Heraeus GmbH. System and method for regulating pressure in a container. 4,798,521, 1-17-89, Cl. 417-295.000.

Schmidt, Lothar; Schaich, Gerhard; and Ernst, Wolfram, to Siemens Aktiengesellschaft. Method for monitoring information transmission in connected through four-wire connecting paths, more particularly semipermanently connected through connecting paths in digital time multiplex exchanges. 4,821,256, 4-11-89, Cl. 370-13.000.

Schmidt, Lothar; and Jugel, Alfred, to Siemens Aktiengesellschaft. Switching configuration for PCM time division multiplex telephone exchange having a central switching network and individual subswitching networks. 4,873,694, 10-10-89, Cl. 370-58.100.

Schmidt, Lothar: *See*—
  Peter, Cornelius; Schaper, Uwe; and Schmidt, Lothar, 4,840,349, Cl. 251-129.110.

Schmidt, Manfred; and Fechter, Horst, to Leybold-Heraeus GmbH. Method for the determination of the content of solid carbon compounds in soil samples. 4,816,412, 3-28-89, Cl. 436-33.000.

Schmidt, Manfred; and Zanner, Johann, to Agfa-Gevaert Aktiengesellschaft. Device for unloading X-ray film cassettes. 4,823,535, 4-25-89, Cl. 53-266.00R.

Schmidt, Manfred; Rupp, Walter; Schneider, Gerhart; and Kohn, Eva M., to Hoechst Aktiengesellschaft. Styrylaryloxy ether sulfonates, a process for their preparation and their use in the recovery of crude oil. 4,842,776, 6-27-89, Cl. 260-512.00C.

Schmidt, Manfred; Prescher, Guenter; Prescher, Gunter; and Kleemann, Axel, to Degussa Aktiengesellschaft. Method for the catalytic epoxidation of olefins with hydrogen peroxide. 4,845,252, 7-4-89, Cl. 549-531.000.

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Schmidt, Manfred: *See*—
  Bauer, Walter; Schmidt, Manfred; Plaschke, Herbert; and Butz, Otto, 4,819,317, Cl. 29-407.000.
  Bauer, Walter; Schmidt, Manfred; and Widemann, Ernst, 4,887,284, Cl. 378-173.000.
  Markl, Maximilian; Heidrich, Gunter; Schmidt, Manfred; Muller, Jurgen; and Wauer, Dieter, 4,844,842, Cl. 261-30.000.
  Raats, Herman; Schmidt, Manfred; and Zanner, Johann, 4,811,54 Cl. 53-266.00R.

Schmidt, Mark S.: *See*—
  Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Santos, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.

Schmidt, Martin; Mayr, Karl-Heinz; and Fobbe, Fritz, to R. & G. Schmole Metallwerke GmbH & Co. KG. Method for producing heat exchanger tubes. 4,841,617, 6-27-89, Cl. 29-157.3AH.

Schmidt, Martin: *See*—
  Otto, Werner; Beese, Ulrich; and Schmidt, Martin, 4,877,130, Cl. 220-304.000.

Schmidt, Michael, to Hewlett-Packard Company. Device for controlling the motion of a video-screen cursor. 4,801,931, 1-31-89, Cl. 340-710.000.

Schmidt, Michael. Aquatic vegetation harvester. 4,885,902, 12-12-89, Cl. 56-8.000.

Schmidt, Michael: *See*—
  Heynacher, Erich; Beckstette, Klaus; and Schmidt, Michael, 4,850,152, Cl. 51-165.710.

Schmidt, Michael L.; and Hemphill, Raymond M., to Carpenter Technology Corporation. Low cobalt-containing maraging steel with improved toughness. 4,832,909, 5-23-89, Cl. 420-95.000.

Schmidt, Michael L.: *See*—
  Garner, Harrison A., Jr.; Hemphill, Raymond M.; McGraw, John F.; Schmidt, Michael L.; Smith, Bruce A.; and Wert, David E., 4,886,640, Cl. 420-111.000.

Schmidt, Michael R. Wood for video screen. 4,865,420, 9-12-89, Cl. 350-276.00R.

Schmidt, Michael W.: *See*—
  Hautau, Charles F.; Schmidt, Michael W.; and Fleischman, David L., 4,801,240, Cl. 414-735.000.

Schmidt, Nikolaus: *See*—
  Heinrich, Winfried; Pawlik, Horst; and Schmidt, Nikolaus, 4,831,319, Cl. 318-696.000.
  Heinrich, Winfried; and Schmidt, Nikolaus, 4,833,385, Cl. 318-696.000.

Schmidt, Norman B.: *See*—
  DeBold, Terry A.; Magee, John H., Jr.; and Schmidt, Norman B., 4,818,484, Cl. 420-46.000.

Schmidt-Otl, Adnreas: *See*—
  Burtscher, Heinz; Schmidt-Otl, Adnreas; and Siegmann, Hans Christoph, 4,837,440, Cl. 250-379.000.

Schmidt, Parbury P.: *See*—
  Talroy, Robert C.; Ward, Sarah G.; and Schmidt, Parbury P., 4,873,226, Cl. 514-46.000.

Schmidt, Paul. Ram boring machine. 4,833,974, 5-30-89, Cl. 91-468.0

Schmidt, Paul. Pneumatic ram boring machine. 4,840,234, 6-20-89, Cl. 173-90.000.

Schmidt, Paul. Rammer. 4,871,034, 10-3-89, Cl. 173-90.000.

Schmidt, Peter. Transport device for athletic equipment. 4,844,7 7-18-89, Cl. 280-47.131.

Schmidt, Peter, to Gummiwerke Kraiburg Elastik Beteiligungs GmbH & Co. Elastic plate for level rail crossings. 4,860,952, 8-29-89, Cl. 238-8.000.

Schmidt, Peter: *See*—
  Kaczynski, Ulrich; Schmidt, Peter; and Paul, Hans-Helmut, 4,871,290, Cl. 414-331.000.

Schmidt, Peter C.: *See*—
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Schmidt, Peter J.: *See*—
  Kohler, Rolf; Schmidt, Peter J.; and Schmitt, Manfred, 4,827, Cl. 123-486.000.

Schmidt, Phillip L.: *See*—
  Baker, Donald E.; Byrne, Joe L.; Muller, Leo R.; and Schmidt, Phillip L., 4,867,634, Cl. 415-121.200.

Schmidt, Ralph J. Method for repairing plastic fishing bait. 4,86 9-19-89, Cl. 264-36.000.

Schmidt, Randall G.: *See*—
  Bell, James P.; and Schmidt, Randall G., 4,812,363, Cl. 428-420.000.

Schmidt, Randy P.; Brandau, Steven G.; Miller, James A.; and Stephenson, Dwight B., to Deere & Company. Pressure flow compensating control circuit. 4,821,514, 4-18-89, Cl. 60-452.000.

Schmidt, Raymond H.; and Sprunk, Wesley G. Tire cutting machine. 4,805,507, 2-21-89, Cl. 83-601.000.

Schmidt, Raymond H. Tire changing machine. 4,884,611, 12-5-89, Cl. 157-1.240.

Schmidt, Reinhard, to Hergeth Hollingsworth, GmbH. Apparatus for arresting the rotary tower of a bale opening device. 4,884,319, 12-5-89, Cl. 19-80.00R.

Schmidt, Reinhard: *See*—
  Lucassen, Guenter; Pinto, Akiva; and Schmidt, Reinhard, 4,866,815, Cl. 19-205.000.
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Schmidt, Richard, to Robotic Vision Systems, Inc. Tracking vision sensor. 4,822,163, 4-18-89, Cl. 356-1.000.

Schmidt, Richard A. Brake bleeder valve. 4,834,140, 5-30-89, Cl. 137-614.170.

Schmidt, Richard Q., to Robotic Vision Systems, Inc. 3-D measurement via multiple gating. 4,854,698, 8-8-89, Cl. 356-5.000.

Schmidt, Robert; and Peiffer, Herbert, to Hoechst Aktiengesellschaft. Filter apparatus for the uniform filtration of plastic melts. 4,849,103, 7-18-89, Cl. 210-323.200.

Schmidt, Robert D.; and Ahlness, Jon K., to United States of America, Interior. Bedded mineral extraction process. 4,815,791, 3-28-89, Cl. 299-4.000.

Schmidt, Robert F.: *See*—
  Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert F.; and Lurssen, Klaus, 4,808,209, Cl. 71-92.000.

Schmidt, Robert J., to UOP Inc. Process for pretreatment of light hydrocarbons to remove sulfur, water, and oxygen-containing compounds. 4,795,545, 1-3-89, Cl. 208-91.000.

Schmidt, Robert J.; Rice, Lynn H.; and Stine, Laurence, to UOP Inc. Isomerization with once-through hydrogen. 4,804,803, 2-14-89, Cl. 585-748.000.

Schmidt, Robert J., to UOP. Process for converting normal and cyclic paraffins. 4,834,866, 5-30-89, Cl. 208-65.000.

Schmidt, Robert J., to UOP. Butane isomerization in the presence of C_5 and C_6 hydrocarbons. 4,877,919, 10-31-89, Cl. 585-748.000.

Schmidt, Robert J.: *See*—
  Imai, Tamotsu; and Schmidt, Robert J., 4,886,928, Cl. 585-660.000.

Schmidt, Robert N.; and Petruschke, Haans K., to Life Systems, Inc. Lightweight filter. 4,838,901, 6-13-89, Cl. 55-74.000.

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  Dickore, Karlfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,846,881, Cl. 71-93.000.
  Diehr, Hans-Joachim; Fest, Christa; Kirsten, Rolf; Kluth, Joachim; Muller, Klaus-Helmut; Pfister, Theodor; Priesnitz, Uwe; Riebel, Hans-Jochem; Roy, Wolfgang; Santel, Hans-Joachim; and Schmidt, Robert R., 4,820,337, Cl. 71-93.000.
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- Schmitt, Kenneth J.: *See—*
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- Haffer, Gregor; Sauer, Gerhard; Wachtel, Helmut; Schneider, Herbert; Eder, Ulrich; and Lorenz, Hans-Peter, 4,826,852, Cl. 514-288.000.
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- Sauer, Gerhard; Huth, Andreas; Wachtel, Helmut; and Schneider, Herbert H., 4,847,262, Cl. 514-288.000.
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- Wachtel, Helmut; Schneider, Herbert H.; Loschmann, Peter-Andreas; Dorow, Rainer; Horowski, Reinhard; Acksteiner, Bernard; Schulze, Paul-Eberhard; and Sauer, Gerhard, 4,857,298, Cl. 424-1.100.

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Schneider, Horst: *See—*
- Blumentritt, Martin; Gerlinger, Hermann; Schneider, Horst; and Gluck, Franz, 4,805,993, Cl. 350-321.000.
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- Schneider, Lothar; and Schneider, Irma, 4,861,586, Cl. 424-84.000.

Schneider, Irwin: *See—*
- Foster, David R.; and Schneider, Irwin, 4,881,234, Cl. 372-42.000.

Schneider, Jack H.; and Gray, Larry O., to Dana Corporation. Voice actuated vehicle security system. 4,856,072, 8-8-89, Cl. 381-86.000.

Schneider, James G., to Sherwood Medical Company. Body fluid collection device. 4,857,042, 8-15-89, Cl. 604-4.000.

Schneider, James G.; and Geil, James A., to Sherwood Medical Company. Enteral feeding bag. 4,869,725, 9-26-89, Cl. 604-408.000.

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Schneider, John C.; Van Weert, Gezinus; and Fair, Kenneth J., to Hydrochem Developments Ltd. Oxidation process for releasing metal values in which nitric acid is regenerated in situ. 4,834,793, 5-30-89, Cl. 75-101.00R.

Schneider, John C.: *See—*
- Fuhrman, William J.; Hall, Daniel W.; and Schneider, John C., 4,878,370, Cl. 72-264.000.
- Larkins, David J.; and Schneider, John C., 4,878,677, Cl. 277-105.000.

Schneider, Jorg: *See—*
- Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

Schneider, Josef: *See—*
- Engelberger, Raimund; Harmsen, Siegfried; Kirchgessner, Hilmar; and Schneider, Josef, 4,886,415, Cl. 415-119.000.

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- Herzog, Helmut; Schutze, Detlef-Ingo; Schneider, Jurgen; and Schmitz, Reinold, 4,812,568, Cl. 546-49.000.

Schneider, Karen B.: *See—*
- Ginn, LeRoy D.; Ginn, LeRoyce S.; and Schneider, Karen B., 4,796,651, Cl. 137-8.000.

Schneider, Karl: *See—*
- Wurminghausen, Thomas; Schneider, Karl; Saykowski, Franz; and Frohlen, Hans G., 4,855,473, Cl. 556-471.000.

Schneider, Karl D. Transportation of hospital patients. 4,840,391, 6-20-89, Cl. 280-304.100.

Schneider, Karl F.; Haley, William J.; and Miller, Alan L., to Borg-Warner Automotive, Inc. Dual clutch application area and control. 4,875,561, 10-24-89, Cl. 192-0.033.

Schneider, Karl-Heinrich: *See—*
- Heitz, Walter; and Schneider, Karl-Heinrich, 4,839,436, Cl. 525-397.000.

Schneider, Kenneth W.: *See—*
- Josten, Marvin H.; Kovar, Henry C.; and Schneider, Kenneth W., 4,803,850, Cl. 62-98.000.

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- Hoelderich, Wolfgang; Hupfer, Leopold; and Schneider, Kurt, 4,866,210, Cl. 568-392.000.
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- Hoelderich, Wolfgang; Schneider, Kurt; and Hupfer, Leopold, 4,885,395, Cl. 568-314.000.

Schneider, Kurt P.: *See—*
- Donnerhack, Andreas; and Schneider, Kurt P., 4,841,969, Cl. 128-400.000.

Schneider, Lothar; and Schneider, Irma, to Klocke, Hartmut. Animal bait. 4,861,586, 8-29-89, Cl. 424-84.000.

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Schneider, Marcel: *See—*
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Schneider, Marvin; Blanco, Louis A.; and Milo, Salvatore A., to Commercial Decal, Inc. Microwave heating utensil. 4,800,247, 1-24-89, Cl. 219-10.55E.

Schneider, Marvin P.: *See—*
- Cemenska, Richard A.; Schneider, Marvin P.; and Buege, Thomas J., 4,800,721, Cl. 60-393.000.

Schneider, Matthew L.: *See—*
- Bishop, Eugene R.; Schneider, Matthew L.; and Rosshirt, Hermann, 4,841,243, Cl. 324-174.000.

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- Josten, Marvin H.; Kovar, Henry C.; and Schneider, Kenneth W., 4,803,850, Cl. 62-98.000.

Schneider, Michael B.; and Lloyd, Stephen R. Rapid eye movement sleep state detector. 4,863,259, 9-5-89, Cl. 351-210.000.

Schneider, Michel; Guillot, Christian; and Lamy, Bernard, to Battelle Memorial Institute. Method of purifying bioactive substances by biospecific adsorption. 4,824,578, 4-25-89, Cl. 210-674.000.

Schneider-Muro, Karl W. Tool for removing staples. 4,844,417, 7-4-89, Cl. 254-28.000.

Schneider, Norbert. Diffuser for aeration basin. 4,848,749, 7-18-89, Cl. 261-62.000.

Schneider, Otto: *See—*
- Gamon, Norbert; Braunsperger, Karl; and Schneider, Otto, 4,816,506, Cl. 524-96.000.

Schneider, Paul A.; and Cole, Joseph P., to Graber Industries, Inc. Foldable window covering. 4,846,243, 7-11-89, Cl. 160-84.100.

Schneider, Paul T.: *See—*
- Cadwell, Lawrence O.; Schneider, Paul T.; and Boyle, Bradley C., 4,813,820, Cl. 408-1.00R.

Schneider, Peter J. Separable and breakaway valve interconnecting a fluid line. 4,872,471, 10-10-89, Cl. 137-68.100.

Schneider, Rainer: *See—*
- Wirth, Hermann O.; Schneider, Rainer; and Friedrich, Hans-Helmut, 4,835,310, Cl. 252-47.500.

Schneider, Richard, to Klockner-Humboldt Deutz Aktiengesellschaft. Grate cooler for cooling hot bulk material. 4,870,913, 10-3-89, Cl. 110-299.000.

Schneider, Richard N.: *See—*
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Schneider, Richard T.; and Keates, Richard H. Spotting system for binoculars and telescopes. 4,806,005, 2-21-89, Cl. 350-557.000.

Schneider, Richard T.; and Keates, Richard H. Perimeter. 4,813,779, 3-21-89, Cl. 351-226.000.

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Schneider, Richard T., to Progress Technology Corporation. Magnetic superconducting detector. 4,873,443, 10-10-89, Cl. 250-336.200.

Schneider, Richard T.: *See—*
- Keates, Richard H.; and Schneider, Richard T., 4,799,785, Cl. 351-212.000.

Schneider, Robert A., to La Jolla Technology, Inc. Electrical apparatus protective interconnect. 4,832,032, 5-23-89, Cl. 128-419.00R.

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Schneider, Rolf, to BEHR Industrieanlagen GmbH & Co. Device for atomizing liquid paint. 4,838,487, 6-13-89, Cl. 239-223.000.

Schneider, Rolf; Luderer, Fred; and Henger, Peter, to Behr Industrieanlagen GmbH & Co. Operating-control method for an electrostatic coating installation. 4,851,253, 7-25-89, Cl. 427-8.000.

Schneider, Rolf: *See—*
- Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fred, 4,852,810, Cl. 239-703.000.
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Schneider, Rudolf, to Erowa AG. Tool-change and workpiece-change apparatus. 4,845,835, 7-11-89, Cl. 29-568.000.

Schneider-Shiley (USA) Inc.: *See—*
- Packard, Brian M.; and Rydell, Mark A., 4,841,976, Cl. 128-657.000.
- Rydell, Mark A.; and Shockey, Rick L., 4,806,182, Cl. 156-211.000.
- Rydell, Mark A., 4,811,737, Cl. 128-344.000.
- Rydell, Mark A.; and Goodin, Richard L., 4,844,092, Cl. 128-772.000.
- Rydell, Mark A., 4,857,045, Cl. 604-22.000.

Schneider, Siegfried. Structural element for constructional systems. 4,819,402, 4-11-89, Cl. 52-726.000.

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Schneider, Stanley A.; and Knust, John G., to Kimball International, Inc. Furniture container. 4,871,061, 10-3-89, Cl. 206-326.000.

Schneider, Stephen E.: *See—*
- Geller, Douglas A.; Schneider, Stephen E.; and Holbrook, William C., 4,805,546, Cl. 114-132.000.

Schneider, Steven: *See—*
- Norton, John P.; Schneider, Steven; Wilder, William D.; and Hussell, Stephen J., 4,871,308, Cl. 432-29.000.

Schneider, Thomas C.; and Diver, James J., to Advanced Pulver Systems, Inc. System for loading patterns of articles into containers. 4,856,263, 8-15-89, Cl. 53-543.000.

Schneider, Thomas P.; and Randleman, Randy J., to Those Characters From Cleveland, Inc. Animated toy figurine. 4,828,526, 5-9-89, Cl. 446-183.000.

Schneider, Uwe: *See—*
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Schneider, Walter M.: *See—*
- Hearst, David T.; and Schneider, Walter M., 4,827,643, Cl. 40-306.000.

Schneider, Werner: *See—*
- Borowski, Horst; Kausch, Erwin; Rittershaus, Erhard; Rudolph, Gert; and Schneider, Werner, 4,874,004, Cl. 131-364.000.
- Fesenmeier, Hugo; Zumkeller, Oskar; Schneider, Werner; and Grieser, Hans, 4,853,666, Cl. 336-130.000.
- Mueller, Wilhelm; and Schneider, Werner, 4,825,208, Cl. 340-825.020.

Schneider, Wesley C., to Tootsie Roll Industries, Incorporated. Shipping and display container for plural stacked boxes. 4,809,847, 3-7-89, Cl. 206-45.310.

Schneider, Wilhelm; and Keller, Roland, to Deutsche Perrot-Bremse GmbH. Hydraulically actuated sliding-caliper disc brake. 4,798,270, 1-17-89, Cl. 188-264.00G.

Schneider, Wilhelm; Antony, Paul; and Rupprecht, Bernd, to Deutsche Perrot-Bremse GmbH. Sliding saddle disc brake. 4,865,161, 9-12-89, Cl. 188-71.800.

Schneider, William C.: *See—*
- King, Guy L.; and Schneider, William C., 4,864,910, Cl. 89-1.140.

Schneider, William R., to Battelle Memorial Institute. Coaxial screen filter. 4,885,009, 12-5-89, Cl. 55-96.000.

Schneider, Wolfgang; and Amsler, Kurt, to Ciba-Geigy Corporation. Salts of 2-m-propylimidazole. 4,845,234, 7-4-89, Cl. 548-335.000.

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Schneider, Wolfgang: *See—*
- Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.

Schneider, Wolfgang W.; and Wagner, William A., to B. F. Goodrich Company, The. Process for detoxifying a bottoms draw-off from a high temperature chlorination reactor. 4,804,479, 2-14-89, Cl. 210-754.000.

Schneiderman, Simon. Exercise device. 4,889,336, 12-26-89, Cl. 272-137.000.

Schneidmiller, Rodney G. Entry structure for flexible bag type insect trap. 4,873,787, 10-17-89, Cl. 43-122.000.

Schneier, Carol A.: *See—*
- Heath, Douglas C.; Lind, Alan C.; and Schneier, Carol A., 4,845,665, Cl. 364-900.000.

Schneiter, Fred E.; and Taylor, Robert D., to Morton Thiokol, Inc. Azide gas generant formulations. 4,836,255, 6-6-89, Cl. 149-35.000.

Schnell, Josef. Multi-exercising apparatus. 4,834,396, 5-30-89, Cl. 272-117.000.

Schnell, Josef. Load applying driving apparatus for an exercise device. 4,884,801, 12-5-89, Cl. 272-117.000.

Schnell, Karl. Machine for filling dough-like materials. 4,823,439, 4-25-89, Cl. 17-33.000.

Schnell, Kenneth R.; and Jorgensen, Robert W., to Hubbell Incorporated. Non-metallic electrical connection housing. 4,844,275, 7-4-89, Cl. 220-3.900.

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- Jorgensen, Robert W.; and Schnell, Kenneth R., 4,843,189, Cl. 174-53.000.

Schnell, Peter; Maier-Lehner, Franz; and Spaun, Rudiger;, to Danutec Werkstoff Gesellschaft m.b.H. Process for continuous production of prepregs having a high fiber weight. 4,886,684, 12-12-89, Cl. 427-370.000.

Schnell, Ulrich: *See—*
- Steinbrecher, Jurgen K.; and Schnell, Ulrich, 4,803,420, Cl. 324-64.000.

Sc[illegible] Willi; and Steinberg, Klaus, to Reifenhauser GmbH & Co. [illegible]enfabrik. Apparatus for calibrating a tubular foil balloon. [illegible]857, 3-28-89, Cl. 425-140.000.

Schnell, William J.: *See—*
- Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, 4,821,996, Cl. 251-9.000.
- Harvey, Roger W.; and Schnell, William J., 4,816,221, Cl. 422-25.000.
- Munsch, John M.; Ruby, Mark D.; Schnell, William J.; and Miller, Jimmy L., 4,794,926, Cl. 128-314.000.

Schnelle, Diethard: *See—*
- Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahling, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, 4,797,790, Cl. 362-61.000.

Schnelle, Joseph W.; Webb, Gregory; Tarvin, Ronald L.; and Brown, James V., to Cincinnati Milacron Inc. Method of moving and orienting a tool along a curved path. 4,835,710, 5-30-89, Cl. 364-513.000.

Schnelle, Wilfried: *See—*
- Kainer, Hartmut; Grimm, Daniel; Schnelle, Wilfried; and Halbach, Peter, 4,883,647, Cl. 423-239.000.

Schneller, Arnold; and Lambert, Gabriele, to Hoechst Aktiengesellschaft. Process for separating higher molecular weight constituents from phenol polymers. 4,795,829, 1-3-89, Cl. 568-750.000.

Schneller, Arnold; Schulze, Ralf; Sander, Juergen; and Erbes, Kurt, to Hoechst Aktiengesellschaft. Radiation-sensitive mixture, radiation-sensitive recording material containing said mixture, and process for preparing relief images. 4,822,719, 4-18-89, Cl. 430-270.000.

Schneller, Arnold: *See—*
- Muller, Werner H.; and Schneller, Arnold, 4,853,448, Cl. 526-254.000.

Schneller, Joe. Video system for viewing microscopic specimens. 4,853,770, 8-1-89, Cl. 358-93.000.

Schnepp, Monte J. Giant tripod assembly for supporting and controlling long-range laser beam generators. 4,832,296, 5-23-89, Cl. 248-168.000.

Schnepp-Pesch, Wolfram; Lindenberg, Josef; and Kohler, Dieter. Method for removing tissue from a body. 4,817,631, 4-4-89, Cl. 128-753.000.

Schnetter, Wolfgang: *See—*
- Krieg, Aloisius; Huger, Alois M.; and Schnetter, Wolfgang, 4,851,340, Cl. 435-68.000.
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Schnettler, Richard A.; and King, Chi-Hsin R., to Merrell Dow Pharmaceuticals, Inc. Preparation of 1,3-dihydro-4-pyridoyl-2H-imidazol-2-ones. 4,803,278, 2-7-89, Cl. 546-278.000.

Schnettler, Richard A.; Claxton, George P.; and Jones, Winton D., Jr., to Merrell Dow Pharmaceuticals Inc. Cardiotonic phenyl oxazolones. 4,866,085, 9-12-89, Cl. 514-376.000.

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Schnettler, Richard A.; Dage, Richard C.; Grisar, J. Martin; and Palopoli, Frank P., to Merrell Dow Pharmaceuticals Inc. Reducing reperfusion injury with 1,3-dihydro-4-methyl-5-(4-methylthio)benzoyl)-2H-imidazol-2-thione. 4,868,197, 9-19-89, Cl. 514-392.000.

Schnettler, Richard A.: *See—*
- Jones, Winton D.; Schnettler, Richard A.; Claxton, George P.; and Dage, Richard C., 4,803,210, Cl. 514-293.000.
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Schnetzka, Harold R., II; and Wills, Frank E., to York International Corporation. Control for three terminal power semiconductor devices. 4,864,487, 9-5-89, Cl. 363-129.000.

Schneyer, Gerhard: *See—*
- Dinkel, Emil; Mann, Bernd; Prieser, Gunter; and Schneyer, Gerhard, 4,799,403, Cl. 74-788.000.

Schniederjan, Reinhold: *See—*
- Hoffmeister, Hermann; Puvogel, Klaus; and Schniederjan, Reinhold, 4,880,359, Cl. 417-216.000.

Schniek, Horst-Guenter: *See—*
- Krauss, Mathias; and Schniek, Horst-Guenter, 4,879,684, Cl. 365-189.110.

Schniek, Horst-Guenther: *See—*
- Scade, Andreas; Hoenig, Reinhard; and Schniek, Horst-Guenther, 4,843,256, Cl. 307-296.200.

Schnipke, Dennis E., to Premier Industrial Corporation. Slow-close apparatus for minimizing water hammer and/or shock waves resulting from closure of valve means. 4,854,344, 8-8-89, Cl. 137-606.000.

Schnippering, Horst F.; and Stenzel, Peter, to Alcan International Limited. Device for feeding covers to a continuously operating container closing machine. 4,807,423, 2-28-89, Cl. 53-296.000.

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Schniter, Jorg, to R.R. Donnelley & Sons Company. Book opening apparatus. 4,872,797, 10-10-89, Cl. 412-25.000.

Schnitker, Mark W.: *See—*
- Hill, Guy J.; Smith, Homer G., Jr.; Schnitker, Mark W.; and Beatty, Glenn E., 4,811,800, Cl. 175-323.000.

Schnitker, Wolfgang E.; Nover, Michael P. J.; and Appel, Kay, to U.S. Philips Corporation. Thick-film circuit arrangement having a ceramic substrate plate. 4,839,775, 6-13-89, Cl. 361-402.000.

Schnittger, Ernest: *See—*
- Borst, Herbert A.; MacHacek, Zdenek; Schnittger, Ernest; Schulte, Richard D.; Scott, Richmond; and Tilman, Paul A., 4,842,135, Cl. 206-328.000.

Schnittker, William E., to Hubbell Incorporated. Metal clad cable connector. 4,885,429, 12-5-89, Cl. 174-65.0SS.
Schnitzer, David H., to Uarco Incorporated. Easily feedable envelope construction. 4,886,205, 12-12-89, Cl. 229-68.00R.
Schnitzler, Gerry R.: *See—*
  Davis, James K.; Althen, Wayne W.; Cloutier, Daniel R.; and Schnitzler, Gerry R., 4,887,221, Cl. 364-474.230.
Schnitzler, Wilfred H.: *See—*
  Obrero, Faustino P.; and Schnitzler, Wilfred H., 4,834,790, Cl. 71-124.000.
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Schnizler, Albrecht, to Metabowerke GmbH & Co. Jigsaw with pneumatic dust blower. 4,870,755, 10-3-89, Cl. 30-123.300.
Schnoes, Heinrich K.: *See—*
  DeLuca, Hector F.; Schnoes, Heinrich K.; and Lau, Wan F., 4,800,198, Cl. 514-167.000.
  DeLuca, Hector F.; Kutner, Andrzej; and Schnoes, Heinrich K., 4,841,038, Cl. 536-27.000.
  DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847,012, Cl. 260-397.200.
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Schnoor, Christian; and Gronwoldt, Dieter, to Dragerwerk Aktiengesellschaft. Protective suit having a zipper openable with a pull guide. 4,829,603, 5-16-89, Cl. 2-69.000.
Schnoor, Christian, to Dragerwerk Aktiengesellschaft. Breathing mask. 4,832,017, 5-23-89, Cl. 128-206.120.
Schnorr, Peter C.: *See—*
  Butts, H. Bruce, Jr.; Cutler, David N.; Schnorr, Peter C.; and Short, Robert T., 4,812,971, Cl. 364-200.000.
Schnorrenberg, Gerd; Roos, Otto; Losel, Walter; Wiedemann, Ingrid; Gaida, Wolfram; and Hoefke, Wolfgang, to Boehringer Ingelheim KG. Thieno pyridines and their use as anti-hypertensive agents. 4,826,855, 5-2-89, Cl. 514-301.000.
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  Frueh, Walter; and Schnorrenberg, Hans-Juergen, 4,833,590, Cl. 364-167.010.
Schnuell, Henry A. Caster including spring operated brake. 4,870,715, 10-3-89, Cl. 16-35.00R.
Schnur, Joel M.; and Singh, Alok. Method for synthesis of diacetylenic compounds. 4,867,917, 9-19-89, Cl. 260-413.000.
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Schnur, Rodney C.; and Fliri, Anton F. J., to Pfizer Inc. Benzamide protease inhibitors. 4,874,864, 10-17-89, Cl. 546-153.000.
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  Jacobs, Scott L.; Nihal, Perwaiz; Ozmat, Burhan; and Schnurmann, Henri D., 4,811,082, Cl. 357-80.000.
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  Wust, Robert, 4,873,771, Cl. 33-802.000.
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Schobel, Alexander M.; and Yang, Robert K., to Warner-Lambert Company. Encapsulated sweetener composition for use with chewing gum and edible products. 4,824,681, 4-25-89, Cl. 426-5.000.
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  Maier, Robert M.; Zmyslowski, Allan J.; and Schober, Carolee N., 4,812,989, Cl. 364-200.000.
Schober, Helmo: *See—*
  Herzog, Reinhold; Padinger, Reinhard; Rainer, Hans-Peter; and Schober, Helmo, 4,798,658, Cl. 204-147.000.
Schober, Horst A.: *See—*
  Hoppmann, Kurt H.; and Schober, Horst A., 4,848,800, Cl. 283-101.000.
Schober, Konrad, to Siemens Aktiengesellschaft. Sensor for measuring the current or voltage of electrically conductive layers present on a reference substrate. 4,823,073, 4-18-89, Cl. 324-62.000.
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Schobermayer, Harald. Method for producing a rigid shaped body. 4,878,975, 11-7-89, Cl. 156-163.000.
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  Schneider, Hartmut; and Schoberth, Achim, 4,842,627, Cl. 65-3.200.
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  Bartko, John; Schoch, Karl F., Jr.; Congedo, Thomas V.; and Anderson, Stanwood L., Jr., 4,857,259, Cl. 376-154.000.
Schoch, Klaus: *See—*
  Staiger, Bruno; and Schoch, Klaus, 4,846,698, Cl. 439-55.000.
Schoch, Ronald J.: *See—*
  Koffler, Nickodemus J.; and Schoch, Ronald J., 4,829,707, Cl. 47-28.00R.
Schochetman, Gerald; and Massey, Richard J., to Igen, Inc. Method of catalyzing chemical reactions. 4,888,281, 12-19-89, Cl. 435-72.000.
Schock, Alfred, to Fairchild Industries, Inc. Compliant thermoelectric converter. 4,802,929, 2-7-89, Cl. 136-205.000.
Schock, Edward J. Support and connection means for looped antenna conductors. 4,872,022, 10-3-89, Cl. 343-806.000.
Schock, Gernot: *See—*
  Groll, Werner; Hathaway, Doris; and Schock, Gernot, 4,859,412, Cl. 419-23.000.
Schock, Herold. Fishing strike-reactive diving and surfacing tube planer. 4,864,768, 9-12-89, Cl. 43-43.130.
Schock, Herold. Weight, action, and color adjustable fishing lure. 4,870,776, 10-3-89, Cl. 43-42.330.
Schock, Michael R.: *See—*
  Barcelona, Michael J.; Garske, Edward E.; and Schock, Michael R., 4,803,869, Cl. 73-53.000.
Schocket, Stanley. Anterior chamber tube shunt to an encircling band and related surgical procedure. 4,826,478, 5-2-89, Cl. 604-8.000.
Schockman, Robert L.: *See—*
  Wissman, Terry L.; and Schockman, Robert L., 4,799,846, Cl. 413-66.000.
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Schodowski, Stanley S.: *See—*
  Malinowski, Gregory J.; and Schodowski, Stanley S., 4,859,969, Cl. 331-43.000.
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  Zehner, Bernd; Matthiesen, Fred; Schoebinger, Matthias; and Totzek, Ulrich, 4,864,397, Cl. 358-136.000.
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Schoeff, Terry G.; and Kaufman, Rex A., to Majco Building Specialties L.P. Fireplace having chimney construction including cold air barrier. 4,878,481, 11-7-89, Cl. 126-307.00R.
Schoeffel, Gary G.: *See—*
  Nienaber, David K.; and Schoeffel, Gary G., 4,863,233, Cl. 350-96.200.
Schoeffl, Manfred; and Lex, Erich, to Bauer-Kompressoren GmbH. Protective enclosure device for filling tanks with compressed gas. 4,856,565, 8-15-89, Cl. 141-97.000.
Schoeffler, William N.: *See—*
  Falgout, Thomas E., Sr.; and Schoeffler, William N., 4,807,709, Cl. 175-296.000.
  Falgout, Thomas E., Sr.; and Schoeffler, William N., 4,811,798, Cl. 175-73.000.
Schoeller, Christoph: *See—*
  Schoeller, Martin; and Schoeller, Christoph, 4,884,712, Cl. 220-21.000.
Schoeller, Leopold; Schulz, Gunter; and Halder, Ernst, to Zinser Textilmaschinen GmbH. Process and apparatus for loading a spinning machine with roving-supply bobbins. 4,827,709, 5-9-89, Cl. 57-281.000.
Schoeller, Martin; and Schoeller, Christoph. Stackable bottle case. 4,884,712, 12-5-89. Cl. 220-21.000.
Schoellhorn, Hermann: *See—*
  Kahrs, Manfred; and Schoellhorn, Hermann, 4,818,196, Cl. 418-22.000.
Schoellkopf, Jean-Pierre; and Boyer-Chammard, Yann, to Bull, S.A. Sense amplifier with bit-line derived clocking. 4,810,910, 3-7-89, Cl. 307-530.000.
Schoemaker, Hans E.: *See—*
  Boesten, Wilhelmus H. J.; Schoemaker, Hans E.; and Dam Bernardus H. N., 4,847,412, Cl. 564-164.000.
Schoemaker, Hubert J. P.; Wands, Jack R.; Westrick, Barbara L.; and Zurawski, Vincent R., Jr., to Centocor, Inc.; General Hospital Corporation, The; and Centocor, Inc. Immunoassay for multi-determinant antigens using high-affinity. 4,837,167, 6-6-89, Cl. 436-513.000.
Schoemaker, Hubert J. P.: *See—*
  Wands, Jack R.; Zurawski, Vincent R., Jr.; and Schoemaker, Hubert J. P., 4,879,219, Cl. 435-7.000.
Schoen, Jerry W., to Armco Advanced Materials Corporation. Forming a laminate by applying pressure to remove excess sealing liquid between facing surfaces laminations. 4,882,834, 11-28-89, Cl. 29-605.000.

Schoen, Neil C., to TRW Inc. Multiple aperture laser system. 4,867,534, 9-19-89, Cl. 350-319.000.
Schoen, Paul: *See—*
  Schnur, Joel M.; Price, Ronald; Yager, Paul; Schoen, Paul; Georger, Jacque H.; and Singh, Alok, 4,877,501, Cl. 204-157.640.
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Schoen, Roy C.: *See—*
  Buschur, Jeffrey J.; Paulick, David R.; and Schoen, Roy C., 4,798,102, Cl. 74-600.000.
Schoen, Uwe; Kehrbach, Wolfgang; Hachmeister, Bernd; Buschmann, Gerd; and Kuehl, Ulrich G., to Kali-Chemie Pharma GmbH. Treatment of heart conditions with spartein compounds. 4,879,299, 11-7-89, Cl. 514-286.000.
Schoenauer, Anton. Sump pump adaptor. 4,852,609, 8-1-89, Cl. 137-565.000.
Schoenbach, Karl H.; Germer, Rudolf K. F.; Lakdawala, Vishnukumar K.; and Albin, Sacharia, to Center for Innovative Technology. Optically controlled bulk semiconductor switch not requiring radiation to sustain conduction. 4,825,061, 4-25-89, Cl. 250-211.00R.
Schoenbach, Karl H.; Lakdawala, Vishnukumar K.; Germer, Rudolf K. F.; and Schmitt, Klemens B., to Center for Innovative Technology. Electron beam controlled bulk semiconductor switch with cathodoluminescent electron activation. 4,831,248, 5-16-89, Cl. 250-211.00R.
Schoenberg, Andrew J.: *See—*
  Swiggett, Brian E.; Morinc, Ronald; Keogh, Raymond J.; Crowell, Jonathan C.; Szenczy, George; Schoenberg, Andrew J.; and Friedrich, Marju L., 4,859,807, Cl. 174-68.500.
Schoenberg, Jules E., to National Starch and Chemical Corporation. Adduct of a carbinol-containing polyimide oligomer terminated with epoxide-reactive groups and a polyepoxide. 4,820,779, 4-11-89, Cl. 525-533.000.
Schoenberg, Stephen J. Cover for a disposable hypodermic needle. 4,888,001, 12-19-89, Cl. 604-162.000.
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Schoenberger, Jack O.: *See—*
  Branam, Timothy R.; Roberts, Jeffrey J.; and Schoenberger, Jack O., 4,856,327, Cl. 73-168.000.
Schoenberger, Rainer, to Linde Aktiengesellschaft. Method for purification of phosphate-containing sewage. 4,885,093, 12-5-89, Cl. 210-605.000.
Schoenborn, Anton, to Fel-Pro Incorporated. Unitized multi-layered gasket and method of making same. 4,813,691, 3-21-89, Cl. 277-235.00B.
Schoendorfer, Donald W.; and Hansen, Lee E., to Baxter International Inc. Plasmapheresis system and method. 4,806,247, 2-21-89, Cl. 210-321.180.
Schoendorfer, Donald W.; and Williamson, Warren P., IV, to Baxter International Inc. Rotor drive for medical disposables. 4,816,151, 3-28-89, Cl. 210-360.100.
Schoendorfer, Donald W., to Baxter International Inc. Method for wetting a plasmapheresis filter with anticoagulant. 4,850,998, 7-25-89, Cl. 604-28.000.
Schoendorfer, Donald W., to Baxter International Inc. Apparatus and methods for generating platelet concentrate. 4,851,126, 7-25-89, Cl. 210-651.000.
Schoendorfer, Donald W.; and McLaughlin, William F., to Baxter International Inc. Disposable diagnostic plasma filter dispenser. 4,869,812, 9-26-89, Cl. 210-321.630.
Schoendorfer, Donald W.: *See—*
  Prince, Paul R.; Ford, Michael G.; Schoendorfer, Donald W.; and Clark, Ronald L., 4,879,040, Cl. 210-637.000.
  Williamson, Warren P.; and Schoendorfer, Donald W., 4,883,462, Cl. 604-53.000.
Schoeneberger, Carl F.; and Bundens, Allan B., to General Instrument Corporation. Data communications system. 4,860,379, 8-22-89, Cl. 455-5.000.
Schoeneberger, Carl F.: *See—*
  Campbell, John G.; Schoeneberger, Carl F.; Bundens, Allan B.; Fogle, Richard M.; and Lemburg, John R., 4,862,268, Cl. 358-141.000.
Schoeneman, J. Lee: *See—*
  Boultinghouse, Karlan D.; Schoeneman, J. Lee; and Tise, Bertice L., 4,796,198, Cl. 364-513.000.
Schoenert, Dieter: *See—*
  Delwig, Friedrich W.; and Schoenert, Dieter, 4,809,954, Cl. 254-286.000.
Schoeneweis, Melvin W. Container and one-piece blank for forming same. 4,887,766, 12-19-89, Cl. 229-125.000.
Schoenfeld, Peter F.: *See—*
  Farenden, Mark F.; McGinty, Gerard S.; and Schoenfeld, Peter F., 4,845,979, Cl. 73-119.00A.
Schoenfuss, Martin: *See—*
  Tasler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, 4,852,370, Cl. 66-203.000.
Schoenheit, Joseph W.; and Weisensee, Stephen E., to Pacific Fence and Wire Company. Slat fence with retainer wire construction. 4,860,997, 8-29-89, Cl. 256-34.000.
Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., to General Electric Company. Apparatus for assembling and welding end plugs to nuclear fuel cladding tubes and inspecting the end plug welds on an automated basis. 4,857,260, 8-15-89, Cl. 376-245.000.
Schoenig, Frederick C., Jr.: *See—*
  White, David W.; Muncy, Donald G.; and Schoenig, Frederick C., Jr., 4,869,865, Cl. 376-260.000.
Schoening, Josef, to Hochtemperatur-Reaktorbau GmbH. Low capacity nuclear reactor housed underground in the cavity of a cylindrical pressure vessel. 4,826,652, 5-2-89, Cl. 376-273.000.
Schoening, Josef; Wachholz, Winfried; and Weicht, Ulrich, to Hochtemperatur-Reaktorbau GmbH. Nuclear power plant with a high temperature reactor located eccentrically in a cylindrical prestressed concrete pressure vessel. 4,842,810, 6-27-89, Cl. 376-299.000.
Schoening, Josef: *See—*
  Becker, Gerhard; Gross, H. Guenter; and Schoening, Josef, 4,847,040, Cl. 376-299.000.
  Dorweiler, Harald; Elter, Claus; Grossert, Franz; Schmitt, Hermann; Rohark, Guenter; and Schoening, Josef, 4,863,672, Cl. 376-226.000.
  Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; and Schoening, Josef, 4,798,700, Cl. 376-338.000.
  Elter, Claus; Hornischer, Edgar; Schmitt, Hermann; Schoening, Josef; and Weicht, Ulrich, 4,830,818, Cl. 376-381.000.
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Schoenleben, Thomas J. Freight securing device and method. 4,846,610, 7-11-89, Cl. 410-96.000.
Schoenleben, Willibald: *See—*
  Mueller, Herbert; Fischer, Roman; Jeschek, Gerhard; and Schoenleben, Willibald, 4,851,580, Cl. 564-479.000.
Schoenleber, Donald; Grainger, Frederick; and Donahue, Patrick J., to Webcraft Technologies, Inc. Advertising pouch assembly for distributing advertising literature or the like. 4,801,076, 1-31-89, Cl. 229-92.700.
Schoenlein, Mark J.: *See—*
  Nycz, Joseph D.; and Schoenlein, Mark J., 4,821,899, Cl. 215-235.000.
Schoenmakers, Peter J.: *See—*
  Boxhoorn, Gosse; Schoenmakers, Peter J.; and Velthuis, Otto M., 4,806,518, Cl. 502-231.000.
Schoenman, Leonard, to Aerojet-General Corporation. Two stage rocket combustor. 4,882,904, 11-28-89, Cl. 60-258.000.
Schoennauer, Larry J.; Alers, Ronald B.; Kaste, Keith; Johnson, Ross E.; and Wong, Jacob Y., to Dynatech Electro-Optics Corporation. Resonant piezoelectric chopper for infrared radiation. 4,850,697, 7-25-89, Cl. 356-419.000.
Schoennauer, Lawrence J.: *See—*
  Wong, Jacob Y.; and Schoennauer, Lawrence J., 4,795,240, Cl. 350-353.000.
Schoenstein, Paul: *See—*
  Clark, Brian; Uken, William D.; Schoenstein, Paul; and Camin, Geary, 4,888,070, Cl. 156-48.000.
Schoenwald, Ronald D., and Barfknecht, Charles F., to University of Iowa Research Foundation. Lacrimal secretion stimulant (lss). 4,820,737, 4-11-89, Cl. 514-654.000.
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Schoenwald, Ronald D., to Angelini Pharmaceuticals Ltd. Opthalmic composition. 4,879,294, 11-7-89, Cl. 514-253.000.
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Schoenwald, Siegfried, to Siemens Aktiengesellschaft. Valve for the controlling of a pressure differential. 4,836,241, 6-6-89, Cl. 137-494.000.
Schoepe, Wolfgang: *See—*
  Podeschwa, Horst; Gerard, Joachim; and Schoepe, Wolfgang, 4,821,595, Cl. 74-479.000.
Schoeps, Jochen: *See—*
  Kress, Hans-Jurgen; Lindner, Christian; Grape, Wolfgang; Peters, Horst; Schoeps, Jochen; and Wittmann, Dieter, 4,806,593, Cl. 525-63.000.
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Schoeps, Knut C.; and Westerberg, Sven P. J., to Atlas Copco Aktiebolag. Hydraulic torque impulse generator with bypass mechanism. 4,854,916, 8-8-89, Cl. 464-25.000.
Schoeps, Knut C., to Atlas Copco Aktiebolag. Hydraulic torque impulse generator. 4,884,995, 12-5-89, Cl. 464-25.000.
Schoeps, Wilfried: *See—*
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Schoessow, Glen J.; and Wethington, John A., Jr. Process for treating radioactive material to make it safe for disposal. 4,861,444, 8-29-89, Cl. 204-130.000.
Schoeters, Emile P.: *See—*
  Wittocx, Guido R.; and Schoeters, Emile P., 4,810,602, Cl. 430-21.000.
Schoettler, Frank J.; and Smith, Thomas D. Electrode dressing tool. 4,865,498, 9-12-89, Cl. 409-175.000.

Schoettler, Hans, to Westmark Schulte & Co. KG. Device for cutting mushrooms into slices. 4,852,256, 8-1-89, Cl. 30-114.000.

Schoewe, David G. Comminuting and winding apparatus. 4,807,817, 2-28-89, Cl. 241-100.000.

Schoffl, Rainer: *See—*

Alker, Erich; Diesinger, Walter; and Schoffl, Rainer, 4,823,700, Cl. 102-476.000.

Schofield, Clifford R., to Lucas Industries Public Limited Company. Differential gear arrangement. 4,825,726, 5-2-89, Cl. 74-801.000.

Schofield, John A., to Shell Oil Company. Biochemical process to produce catechol or 1,2-dihydroxycyclohexa-3,5-diene compound(s). 4,863,861, 9-5-89, Cl. 435-155.000.

Schofield, John A.; Betteridge, Peter R.; Ryback, George; and Geary, Philip J., to Shell Oil Company. New strains of pseudomonas putida. 4,876,2[illegible], 10-24-89, Cl. 435-253.300.

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Schofield, John D.; and Slater, Roger, to Imperial Chemical Industries PLC. Dispersed particulate composition. 4,797,440, 1-10-89, Cl. 524-239.000.

Schofield, John D.: *See—*

Campbell, Frederick; Geary, John M.; and Schofield, John D., 4,861,380, Cl. 106-504.000.

Schofield, Kenneth: *See—*

O'Farrell, Desmond J.; Schofield, Kenneth; Larson, Mark L.; Hanft, Karl-Heinz; Schierbeek, Kenneth L.; and Bentley, Richard D., 4,871,917, Cl. 250-341.000.

Schierbeek, Kenneth L.; and Schofield, Kenneth, 4,862,594, Cl. 33-356.000.

Skogler, Brian I.; Schofield, Kenneth; Lantz, William P.; Nyhof, Eldon J.; Helder, Dorothy J.; and Flowerday, Charles M., 4,807,096, Cl. 362-142.000.

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Andersson, Bjorn; Bjorkelund, Mats; Edstrom, Stefan; Fager, Jan; and Schofield, Monica, 4,831,232, Cl. 219-124.340.

Schofield, Paul; and Sewell, Graham P., to Almex Control Systems Limited. Ticket issuing machines. 4,889,437, 12-26-89, Cl. 400-73.000.

Schofield, Paul: *See—*

Meade, Roger; Schofield, Paul; and Wright, Michael C., 4,845,650, Cl. 364-708.000.

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Schoggen, Howard L.: *See—*

Dean, Walter L.; Moore, Danny R.; Owens, James W.; and Schoggen, Howard L., 4,822,453, Cl. 162-157.600.

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Schohl, Gerald A.; and Vigander, Svein, to Tennessee Valley Authority. Air detector for liquid-filled sensing lines. 4,858,460, 8-22-89, Cl. 73-19.000.

Schold, George R. Disperser apparatus with two coaxial drive shafts. 4,854,720, 8-8-89, Cl. 366-294.000.

Schold, John A. Orthogonal construction joint. 4,863,305, 9-5-89, Cl. 403-171.000.

Scholefield, John; and Johnston, Robert, to Automated Bacteria Counting Limited. Sample processing unit. 4,841,905, 6-27-89, Cl. 118-50.000.

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Wagner, Adalbert; Kleemann, Heinz-Werner; Ruppert, Dieter; and Scholkens, Bernward, 4,855,286, Cl. 514-19.000.

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Scholl, Rolland D.; Zimmer, Mike T.; and Allen, William E., to Caterpillar Inc. Electronic valve actuator. 4,845,416, 7-4-89, Cl. 318-600.000.

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Scholl, Thomas; Perrey, Hermann; Augustin, Thomas; and Wegner, Christian, to Bayer Aktiengesellschaft. Polyurea-modified polyetherurethanes and their use as emulsion breakers for water-in-oil emulsions. 4,870,151, 9-26-89, Cl. 528-49.000.

Scholl, Wolfgang, to ITT SWF Auto-Electric GmbH. Windshield washing system, especially for motor vehicles. 4,877,186, 10-31-89, Cl. 239-75.000.

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Scholler, Siegfried, to Saskatchewan Economic Development Corporation. Non-linear stair. 4,869,035, 9-26-89, Cl. 52-187.000.

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Scholz, Daniel E., to Parker-Hannifin Corporation. Vapor separating and metering pump. 4,854,824, 8-8-89, Cl. 417-69.000.

Scholz, Dankmar, to BASF Aktiengesellschaft. Manufacture of hollow articles. 4,814,119, 3-21-89, Cl. 264-22.000.

Scholz, Dankmar; and Liebe, Klaus, to BASF Aktiengesellschaft. Photopolymerizable molding materials containing metal wire inserts. 4,822,665, 4-18-89, Cl. 428-222.000.

Scholz, Donald T.; and Clack, William F., to Scholz Research & Development, Inc. Audio noise gate. 4,809,337, 2-28-89, Cl. 381-94.000.

Scholz, Eckhard-K.: *See—*

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Schon, Stefan, to Elpatronic AG. Drive with overload safety coupling. 4,881,421, 11-21-89, Cl. 74-412.0TA.

Schonafinger, Karl; Beyerle, Rudi; Bohn, Helmut; Just, Melitta; Martorana, Piero; and Nitz, Rolf-Eberhard, to Cassella Aktiengesellschaft. Substituted 3-amino-sydnonimines, their use and pharmaceutical products containing them. 4,845,091, 7-4-89, Cl. 514-212.000.

Schonafinger, Karl; and Hu Ong, Helen, to Hoechst-Roussel Pharmaceuticals, Inc. 1-Acyl-4-[1-(4-quinolinyl)-hydrazin-2-ylidene]piperidines and their use as hypotensive agents. 4,880,818, 11-14-89, Cl. 514-313.000.

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Schonfeld, Arnold; and Lane, Robert L., to Laser Magnetic Storage International Company. Apparatus for loading and unloading a tape cartridge. 4,805,045, 2-14-89, Cl. 360-60.000.

Schonfeld, Harald; Jarschel, Rainer; and Frank, Helmut, to Carl Schenck AG. Unbalance measuring station and method for unbalance measurement. 4,803,882, 2-14-89, Cl. 73-462.000.

Schonfeld, Harald, to Carl Schenck AG. Machine for mass-centering rotors. 4,852,405, 8-1-89, Cl. 73-461.000.

Schonfeld, Karl-Heinrich; Kaltenthaler, Wolfgang; Meyer, Volker; and Vanselow, Jorg, to Wabco Westinghouse Fahrzeugbremsen GmbH. Level control arrangement for vehicles having air springs. 4,809,957, 3-7-89, Cl. 267-64.110.

Schonfelder, Lothar; and Franz, Gerhard, to Bayer Aktiengesellschaft. Process for the preparation of silicon nitride low in carbon content. 4,798,714, 1-17-89, Cl. 423-344.000.

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Schonlau, Juergen; Birkenbach, Alfred; and Harth, Ralf, to Alfred Teves GmbH. Pressure control device, in particular for pressure-fluid-operable brake systems of automotive vehicles. 4,840,433, 6-20-89, Cl. 303-9.680.

Schonlau, Juergen; Volz, Peter; and Harth, Ralf, to Alfred Teves GmbH. Pressure control unit with locking device for dual circuit brake systems. 4,858,999, 8-22-89, Cl. 303-9.630.

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Schonmeier, Herbert; and Hehner, Reinhard, to Jagenberg Aktiengesellschaft. Apparatus for treating a web of continuous material. 4,805,847, 2-21-89, Cl. 242-56.200.

Schonmeier, Herbert, to Jagenberg Aktiengesellschaft. Apparatus for rolling up a web of material. 4,867,387, 9-19-89, Cl. 242-65.000.

Schonstedt, Erick O., to Schonstedt Instrument Company. Method of making magnetic cores. 4,803,773, 2-14-89, Cl. 29-605.000.

Schonstedt, Erick O.; and Hamzezadeh, Mohammed M., to Schonstedt Instrument Company. Magnetic core blanks of magnetically permeable sheet material. 4,839,623, 6-13-89, Cl. 336-213.000.

Schonstedt, Erick O., to Schonstedt Instrument Company. Magnetic cores. 4,839,624, 6-13-89, Cl. 336-213.000.

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Schonstedt, Erick O., 4,839,624, Cl. 336-213.000.

Schonwald, Siegfried, to Siemens Aktiengesellschaft. Dust stripper for use in a side-channel compressor. 4,806,073, 2-21-89, Cl. 415-53.00T.

Schoofs, Franciscus A. C. M., to U.S. Philips Corporation. DC-supply arrangement for a telecommunication line. 4,841,564, 6-20-89, Cl. 379-413.000.

Schoofs, Mark J. Hand paddle for use by swimmers. 4,832,643, 5-23-89, Cl. 441-56.000.

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Schoon, David J., to Printware, Inc. Image generation from transition-encoded font information. 4,847,607, 7-11-89, Cl. 340-730.000.

Schoon, David J., to Printware, Inc. Combination of transition-encoded font information for generation of superimposed font images. 4,857,904, 8-15-89, Cl. 340-730.000.

Schoon, David J., to Printware, Inc. Decompressing run-length-encoded to transition-encoded font image information in an image generator. 4,870,498, 9-26-89, Cl. 358-261.400.

Schoon, Hinrich, to Preci-Plast AB. Dispenser for medical preparations. 4,872,559, 10-10-89, Cl. 206-538.000.

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Schornack, Louis W., to Perma Power Electronics, Inc. Line voltage fault detector for appliance protection. 4,890,002, 12-26-89, Cl. 307-66.000.

Schornack, Louis W., to Perma Power Electronics, Inc. Standby power supply line voltage fault detector. 4,890,005, 12-26-89, Cl. 307-87.000.

Schornick, Gunnar; Eisenbarth, Philipp; Schuhmacher, Rudolf; and Boyd, Jack D., to BASF Aktiengesellschaft. Heat-curable molding compositions. 4,835,232, 5-30-89, Cl. 526-262.000.

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- Schroder, Jurgen R. Fork lift extension device. 4,824,317, 4-25-89, Cl. 414-607.000.
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  - Kampen, Jan-Dieter; and Schroder, Karl-Friedrich, 4,889,461, Cl. 412-19.000.
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  - Henneken, Bernhard; Kammerling, Bruno; Scholz, Eckhard-K.; Schroder, Wolfgang; and Krause, Hans, 4,878,655, Cl. 266-184.000.
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  - Besecke, Sigmund; Knebel, Joachim; Schroeder, Guenter; and Ude, Werner, 4,889,909, Cl. 528-125.000.
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- Schroeder, Jon M. Electronic circuit chip connection assembly and method. 4,878,846, 11-7-89, Cl. 439-65.000.
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  - Newell, Darryl C.; Schroeder, Karl F.; and Wilkie, Bruce J., 4,803,720, Cl. 379-202.000.
- Schroeder, Karl S. Sheet music binder. 4,840,407, 6-20-89, Cl. 281-48.000.
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  - Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., 4,849,858, Cl. 361-388.000.
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  - Ledden, David J.; and Schroedter, Dwight E., 4,810,635, Cl. 435-7.000.
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  - Schwenk, Hans M.; Mazura, Paul; and Waltz, Eike, 4,869,678, Cl. 439-157.000.
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- Schroter, Jurgen: *See—*
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- Schroter, Klaus G. Communication system. 4,866,772, 9-12-89, Cl. 380-25.000.
- Schroth, Hans-Joachim: *See—*
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- Schubel, Klaus-Dieter: *See—*
  - Markert, Jurgen; Schubel, Klaus-Dieter; and Krizek, Milan, 4,881,402, Cl. 73-61.00R.
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- Schubert, Axel: *See—*
  - Freidank, Michael; Coym, Jurgen; and Schubert, Axel, 4,873,970, Cl. 128-202.220.
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- Schubert, Dale W., to Barry Wright Corporation. Active vibration isolation system. 4,796,873, 1-10-89, Cl. 267-136.000.
- Schubert, Doris: *See—*
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- Schubert, Frederic E.: *See—*
  - DiSanto, Frank J.; Krusos, Denis A.; and Schubert, Frederic E., 4,889,603, Cl. 204-180.100.
- Schubert, Gerhard: *See—*
  - Kuster, Hans-Werner; Radermacher, Herbert; Vanaschen, Luc; and Schubert, Gerhard, 4,851,026, Cl. 65-273.000.
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  - Cruchon, Jean-Claude; and Schubert, Jean-Denis, 4,849,722, Cl. 333-205.000.
- Schubert, Johann, to BBC Brown Boveri AG. Shaft seal for gas-filled machines. 4,815,748, 3-28-89, Cl. 277-3.000.
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  - Lovas, Kurt, 4,817,380, Cl. 57-263.000.
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- Schultz, Donald F., to United States of America, America. Steam cooled rich-burn combustor liner. 4,819,438, 4-11-89, Cl. 60-730.000.
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- Schultz, Jim, to Guardian Products, Inc. Crutch with stair deflector. 4,872,469, 10-10-89, Cl. 135-69.000.
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- Schultz, John, Jr., to General Electric Company. White touch pads for capacitive touch control panels. 4,855,550, 8-8-89, Cl. 200-600.000.
- Schultz, Karl-Heinz: *See—*
  - Lailach, Gunter; and Schultz, Karl-Heinz, 4,797,163, Cl. 166-437.000.
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  - Zinkann, Peter; Huttemann, Wilfried; Fey, Hans; Stork, Friedrich W.; Herden, Rudolf; and Schultz, Wilfried, 4,821,537, Cl. 68-208.000.
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  - Schutz, Rudolph W.; and Schultz, William, 4,796,832, Cl. 242-55.300.
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  - Elton, Richard K.; and Schultz, William R., Jr., 4,857,565, Cl. 310-45.000.
- Schultze, Hans-Joachim: *See—*
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- Schulz, Daniel R.; Warren, Benton B.; and Reed, Michael K., to National Business Systems, Inc. High speed printer. 4,860,219, 8-22-89, Cl. 364-519.000.
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- Schulz, Dieter, to Polygram International Holding B.V. Method of aligning objects by detecting a reference picture line therein which has an optically characteristic picture content. 4,868,683, 9-19-89, Cl. 358-342.000.
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- Graf, Jean-Francois; Hasslin, Hans W.; Schuurman, Hessel J.; Steiner, Theodor; and Wieland, Bruno, 4,853,223, Cl. 424-405.000.

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- Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,834,778, Cl. 48-210.000.
- Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,889,540, Cl. 48-77.000.

Schuurman, Teunis: *See—*
- Seidel, Peter-Rudolf; Horstmann, Harald; Traber, Jorg; Dompert, Wolfgang; Glaser, Thomas; and Schuurman, Teunis, 4,818,756, Cl. 514-224.200.

Schuweiler, Alan R.: *See—*
- Ernst, G. D.; and Schuweiler, Alan R., 4,861,825, Cl. 524-839.000.

Schuyler Dynamics: *See—*
- Cretser, Richard, 4,823,940, Cl. 198-817.000.

Schuyler, Martin: *See—*
- Cox deceased, Duncan B.; and Schuyler, Martin, 4,841,124, Cl. 219-201.000.

Schvester, Pascal, to American Air Liquide. Sealing cap for liquid food or beverage containers. 4,840,280, 6-20-89, Cl. 215-228.000.

Schwab, Brian H. Wireless stereo headphone. 4,845,751, 7-4-89, Cl. 381-25.000.

Schwab & Co. Ges.m.b.H.: *See—*
- Doleschel, Walter; Doleschel, Walter N.; and Kaltschmid, Helmut, 4,803,073, Cl. 424-101.000.
- Doleschel, Walter; Doleschel, Walter N.; and Conrad, Werner, 4,880,913, Cl. 530-387.000.

Schwab, Dieter R.: *See—*
- Springer, Helmut A.; Schwab, Dieter R.; and Funghini, Augusto, 4,863,376, Cl. 432-122.000.

Schwab, Frederick C.: *See—*
- Gunesin, Binnur Z.; Murray, James G.; Schwab, Frederick C.; and Gustafson, Ronald J., 4,829,135, Cl. 526-173.000.
- Gunesin, Binnur Z.; Pindris, Paul A.; and Schwab, Frederick C., 4,871,814, Cl. 525-314.000.

Schwab, Gerhart; and Brandon, Richard L., to Mead Corporation, The. Microcapsules with polysalt capsule walls and their formation. 4,857,406, 8-15-89, Cl. 428-402.220.

Schwab, Gerhart: *See—*
- Lee, Mei-Tsu; Shackle, Dale R.; and Schwab, Gerhart, 4,830,939, Cl. 429-192.000.

Schwab, Gunter; Reiber, Helmut; and Stapelfeldt, Rolf, to Standard Elektrik Lorenz Aktiengesellschaft. Rotary switch. 4,837,413, 6-6-89, Cl. 200-11.00R.

Schwab, James F.: *See—*
- Leigh, Gary G.; and Schwab, James F., 4,807,501, Cl. 82-31.000.

Schwab-Koplin Assoc., Inc.: *See—*
- Schwab, Pierre P., 4,822,959, Cl. 200-5.00A.

Schwab, Leonard M.; and Caney, Steven, to Schwab, Leonard M. Adjustable tension fastener. 4,885,824, 12-12-89, Cl. 24-17.00B.

Schwab, Luc, to Automobiles Peugeot; and Automobiles Citroen. Internal combustion engine provided with improved cylinder block cooling means. 4,850,312, 7-25-89, Cl. 123-41.740.

Schwab, Manfred, to Alfred Honsel Nieten- und Metallwarenfabrik GmbH & Co. Actuating arrangement for a rivet setting tool. 4,864,839, 9-12-89, Cl. 72-391.000.

Schwab, Manfred F., to Alfred Honsel Nieten- und Metallwarenfabrik GmbH & Co. Rivet setting tool for setting blind rivets. 4,866,972, 9-19-89, Cl. 72-391.000.

Schwab, Philippe: *See—*
- Genequand, Pierre; and Schwab, Philippe, 4,813,830, Cl. 409-174.000.

Schwab, Philippe M.; and Genequand, Pierre M., to Centre Suisse D'Electronique et de Microtechnique S.A. Micropositioning device. 4,805,543, 2-21-89, Cl. 108-20.000.

Schwab, Pierre P., to Schwab-Koplin Assoc., Inc. Electrical switch having a snap-acting switch element. 4,822,959, 4-18-89, Cl. 200-5.00A.

Schwab, Robert L., Jr. Shoe cover. 4,850,122, 7-25-89, Cl. 36-72.00R.

Schwab, Siegbert: *See—*
- Benedikt, Walter; Heess, Gerhard; Herden, Werner; Friese, Karl-Hermann; Reum, Helmut; Schmatz, Jurgen; and Schwab, Siegbert, 4,798,991, Cl. 313-137.000.
- Benedikt, Walter; Herden, Werner; Schmatz, Jurgen; and Schwab, Siegbert, 4,870,319, Cl. 313-137.000.

Schwab, Stuart T.: *See—*
- Wellinghoff, Stephen T.; Schwab, Stuart T.; and Herrera, Carlos D., 4,849,140, Cl. 264-9.000.

Schwab, Thomas H.: *See—*
- Clendinning, Robert A.; Maresca, Louis M.; Matzner, Markus; and Schwab, Thomas H., 4,857,625, Cl. 528-171.000.

Schwab, Werner; and Kehl, Ralf, to Henkel Kommanditegesellschaft auf Aktien. Common separation of contaminating elements from electrolyte solutions of valuable metals. 4,834,951, 5-30-89, Cl. 423-24.000.

Schwab, Werner: *See—*
- Buchmeier, Willi; Kehl, Ralf; and Schwab, Werner, 4,820,417, Cl. 210-638.000.

Schwabe, Ulrich: *See—*
- Neppl, Franz; and Schwabe, Ulrich, 4,874,717, Cl. 437-59.000.

Schwaben, Hans-Dieter; Echte, Adolf; Bueschl, Rainer; Schlichtmann, Rainer; Klaerner, Peter; and Kindler, Hubert, to BASF Aktiengesellschaft. Thermoplastic molding materials and their preparation. 4,839,418, 6-13-89, Cl. 525-53.000.

Schwaben, Hans-Dieter: *See—*
- Bronstert, Klaus; Walter, Hans-Michael; and Schwaben, Hans-Dieter, 4,839,434, Cl. 525-350.000.

Schwabische Hutter werke GmbH: *See—*
- Metzler, Horst; and Schwarz, Guenther, 4,819,769, Cl. 188-218.0XL.
- Zaoralek, Heinz-Michael, 4,875,297, Cl. 34-48.000.

Schwaiger, Ernst; and Mitteregger, Erich, to IFW-Manfred Otte Gesellschaft m.b.H. & Co. KG. Die mold for the production of injection molded products and having improved closure member for closing a ring-receiving recess. 4,856,753, 8-15-89, Cl. 249-94.000.

Schwaiger, Gunther; Springer, Hartmut; and Helmling, Walter, to Hoechst Aktiengesellschaft. Water-soluble triphendioxazine compounds. 4,816,574, 3-28-89, Cl. 544-76.000.

Schwaiger, Gunther; and Springer, Hartmut, to Hoechst Aktiengesellschaft. N_1-substituted 1H-benzytriazole hydroxyethyl sulfone compounds, a process for their preparation and their use for the preparation of dyestudds. 4,851,542, 7-25-89, Cl. 548-259.000.

Schwaiger, Gunther: *See—*
- Springer, Hartmut; Schwaiger, Gunther; and Helmling, Walter, 4,851,527, Cl. 544-76.000.
- Springer, Hartmut; Helmling, Walter; and Schwaiger, Gunther, 4,885,385, Cl. 562-430.000.

Schwaiger, Max: *See—*
- Heinz, Rieder; and Schwaiger, Max, 4,867,568, Cl. 356-374.000.
- Rieder, Heinz; and Schwaiger, Max, 4,879,671, Cl. 364-562.000.

Schwaikert, William E., to Reynolds Metals Company. Two piece package for paper baking cups. 4,817,801, 4-4-89, Cl. 206-519.000.

Schwalb, Hans J.: *See—*
- Ormanns, Siegfried; and Schwalb, Hans J., 4,870,700, Cl. 455-92.000.

Schwalbe, Peter K.; and Slivon, George R., to Snap-on Tools Corporation. Variable leverage tool handle. 4,825,734, 5-2-89, Cl. 81-177.900.

Schwalge, Barbara A. M.: *See—*
- Karbach, Stefan; Schirmer, Ulrich; Rentzea, Costin; Pommer, Ernst-Heinrich; Ammermann, Eberhard; Steglich, Wolfgang; Schwalge, Barbara A. M.; and Anke, Timm, 4,822,908, Cl. 560-60.000.

Schwall, Edward A.: *See—*
- Hechler, Valentine; and Schwall, Edward A., 4,832,072, Cl. 137-99.000.

Schwallie, Ambrose L.: *See—*
- Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., 4,851,182, Cl. 376-267.000.

Schwalm Electronics Inc.: *See—*
- Hoffmann, Elmer L., 4,889,970, Cl. 219-271.000.

Schwalm, Reinhold; and Binder, Horst, to BASF Aktiengesellschaft. Copolymers having o-nitrocarbinol ester groups, production of two-layer resists, and fabrication of semiconductor components. 4,808,682, 2-28-89, Cl. 526-279.000.

Schwalm, Reinhold; and Binder, Horst, to BASF Aktiengesellschaft. Copolymers having o-nitrocarbinol ester groups and preparation thereof. 4,812,542, 3-14-89, Cl. 526-265.000.

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Schwalm, Reinhold; Boettcher, Andreas; and Binder, Horst, to BASF Aktiengesellschaft. Radiation-sensitive mixture for photosensitive coating materials. 4,883,740, 11-28-89, Cl. 430-270.000.

Schwam, Harvey: *See—*
- Baldwin, John J.; Habecker, Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.

Schwam, Martin: *See—*
- Boan, Bobby J.; and Schwam, Martin, 4,812,854, Cl. 343-897.000.

Schwamborn, Michael; Klauke, Erich; Schmidt, Robert R.; Santel, Hans-Joachim; and Strang, Robert H., to Bayer Aktiengesellschaft. 2,4-diamino-6-trifluoromethylpyrimidine compounds useful as herbicides. 4,877,443, 10-31-89, Cl. 71-92.000.

Schwamborn, Michael: *See—*
- Sasse, Klaus; Fischer, Reiner; Hagemann, Hermann; Krebs, Andreas; Schwamborn, Michael; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,865,641, Cl. 71-90.000.

Schwammle, Jakob, to WENDT GmbH. Dressing roll. 4,826,509, 5-2-89, Cl. 51-298.000.

Schwan-Stabilo Schwanhausser GmbH & Co.: *See—*
- Krueckel, Peter; Roeder, Georg; and Moeck, Gerhard, 4,810,124, Cl. 401-149.000.
- Roeder, Georg, 4,836,704, Cl. 401-146.000.
- Roeder, Georg; and Moeck, Gerhard, 4,859,104, Cl. 401-202.000.

Schwander, Hansrudolf, to Ciba-Geigy Corporation. Dicyanobenzanthrone compounds. 4,801,406, 1-31-89, Cl. 260-352.000.

Schwander, Hansrudolf: *See—*
- Aeschlimann, Peter; and Schwander, Hansrudolf, 4,841,028, Cl. 534-629.000.

Schwaner, Jon M.; and Falk, Eric E., to Inland Container Corporation. Carton with lifting flange. 4,807,804, 2-28-89, Cl. 229-52.00B.

Schwankl, Lynn R. Can closure. 4,823,975, 4-25-89, Cl. 220-85.00H.

Schwantz, Gerald L.: *See—*
- Cahill, Richard F.; Eck, Jeffrey A.; Schwantz, Gerald L.; Theriault, John P.; Turek, Philip A.; Udd, Eric; Wagoner, Raymond E.; and Wanser, Keith H., 4,834,493, Cl. 350-96.200.

Schwar, Rudolf, to Maschinenfabrik Ernst Thielenhaus GmbH. Grinding machine for the grinding of elongated workpieces. 4,800,683, 1-31-89, Cl. 51-34.00E.

Schwarb, Charles H.; and Schwarb, Raymond E., to Schwarb Foundry Company. Method of casting metals with integral heat exchange piping. 4,865,112, 9-12-89, Cl. 164-34.000.

Schwarb Foundry Company: *See—*
- Schwarb, Charles H.; and Schwarb, Raymond E., 4,865,112, Cl. 164-34.000.

Schwarb, Raymond E.: *See—*
- Schwarb, Charles H.; and Schwarb, Raymond E., 4,865,112, Cl. 164-34.000.

Schwark, Hubert: *See—*
- Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, 4,823,773, Cl. 128-24.00A.
- Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, 4,840,166, Cl. 128-24.00A.

Schwarte, Rudolf: *See—*
- Mira, Silvio; and Schwarte, Rudolf, 4,849,644, Cl. 250-561.000.

Schwartz, Abraham, to Flow Cytometry Standards Corporation. Composition, synthesis and use of simulated cells. 4,828,984, 5-9-89, Cl. 435-7.000.

Schwartz, Abraham, to Flow Cytometry Standards Corporation. Method of compensating and calibrating a flow cytometer, and microbead standards kit therefor. 4,857,451, 8-15-89, Cl. 435-7.000.

Schwartz, Abraham, to Flow Cytometry Standards Corporation. Method of calibrating a fluorescent microscope using fluorescent calibration microbeads simulating stained cells. 4,868,126, 9-19-89, Cl. 436-10.000.

Schwartz, Alan: *See—*
- McNally, Alan J.; Schwartz, Alan; and Usategui, Magdalena, 4,833,073, Cl. 435-7.000.

Schwartz, Alan A., to Becton, Dickinson and Company. Blood culture assembly with an externally actuated valve. 4,810,651, 3-7-89, Cl. 435-296.000.

Schwartz, Albert B.: *See—*
- Chu, Pochen; and Schwartz, Albert B., 4,868,146, Cl. 502-71.000.
- Dwyer, Francis G.; and Schwartz, Albert B., 4,818,509, Cl. 423-329.000.

Schwartz, Alexander; Lazar, Joseph; and Lvovich, Semyon, to Diabrasive International, Ltd. Flexible abrasive coated article and method of making it. 4,826,508, 5-2-89, Cl. 51-293.000.

Schwartz, Alexander: *See—*
- Ishak, Maher; and Schwartz, Alexander, 4,874,478, Cl. 204-16.000.

Schwartz, Ana: *See—*
- Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, 4,854,240, Cl. 102-476.000.

Schwartz, Barry: *See—*
- Dick, Chris C.; Schwartz, Barry; McMunn, Bert D.; and Zeh, Peter H., 4,857,287, Cl. 423-315.000.

Schwartz, Bernard: *See—*
- Herron, Lester W.; Lussow, Robert O.; Nufer, Robert W.; Schwartz, Bernard; Acocella, John; and Reddy, Srinivasa N., 4,879,156, Cl. 428-137.000.

Schwartz, Cheryl D.: *See—*
- Lam, Yiu-kuen T.; Chang, Raymond S.; Hensens, Otto D.; Schwartz, Cheryl D.; and Zink, Deborah L., 4,859,690, Cl. 514-375.000.

Schwartz, David C.: *See—*
- Cantor, Charles R.; and Schwartz, David C., 4,861,448, Cl. 204-182.800.

Schwartz, David M. Sound reproduction system. 4,823,391, 4-18-89, Cl. 381-103.000.

Schwartz, Dennis E., to Microprobe Corporation. Use of volume exclusion agents for the enhancement of in situ hybridization. 4,886,741, 12-12-89, Cl. 435-5.000.

Schwartz, Edward M.; Morgan, Robert E.; and Everman, Wilburn D., to Edtech Company. Vertically adjustable, retrofittable workstation. 4,881,471, 11-21-89, Cl. 108-144.000.

Schwartz, Ellen S.; Smolenski, Donald J.; Keersmaekers, John D.; Traylor, Christine M.; and Wallo, Gary J., to General Motors Corporation. Automatic engine oil change indicator system. 4,847,768, 7-11-89, Cl. 364-424.030.

Schwartz, Erez; and Schwartz, Zvi. Infusion, stirring and hanging device for preparing beverage. 4,871,555, 10-3-89, Cl. 426-82.000.

Schwartz, Gregory L., to Schulmerich Carillons, Inc. Electronic bell-tone generating system. 4,805,511, 2-21-89, Cl. 84-1.220.

Schwartz, Henry L.: *See—*
- Rando, Joseph F.; and Schwartz, Henry L., 4,852,265, Cl. 33-227.000.

Schwartz, Herbert; and Stotz, Gerhard, to Timex Corporation. Stepping motor coil core and stator assembly for a timepiece. 4,795,930, 1-3-89, Cl. 310-49.00R.

Schwartz, Herbert; and Wuthrich, Paul, to Timex Corporation. Three hand movement for a timepiece having a stepping motor. 4,888,749, 12-19-89, Cl. 368-157.000.

Schwartz, James H.: *See—*
- Stas, Joseph D.; Frank, Robert G.; and Schwartz, James H., 4,804,397, Cl. 65-107.000.

Schwartz, Jo-Ann T.: *See—*
- Gosser, Lawrence W.; and Schwartz, Jo-Ann T., 4,832,938, Cl. 423-584.000.

Schwartz, Joel: *See—*
- Takahashi, Akio; Petrella, Robert G.; and Schwartz, Joel, 4,859,774, Cl. 544-251.000.

Schwartz, John E. Valve apparatus. 4,872,640, 10-10-89, Cl. 251-147.000.

Schwartz, Karl-Gunter, to G & H Montage. Wall panelling for altering the acoustic properties of a wall. 4,875,312, 10-24-89, Cl. 52-144.000.

Schwartz, Lawrence D.: *See—*
- Ryan, David; Schwartz, Lawrence D.; Wallis, Philip; and Winterstein, Kenneth M., 4,868,023, Cl. 428-35.100.

Schwartz, Leo, to Dorel Industries Inc. Child crib with displaceable and storable side gate. 4,811,436, 3-14-89, Cl. 5-93.00R.

Schwartz, Leo; and Hall, David, to Dorel Industries, Inc. Dismantlable wheel attachment mechanism with swivel joint protector. 4,847,945, 7-18-89, Cl. 16-30.000.

Schwartz, Martin A., to Florida Board of Regents on behalf of The Florida State University, The. Synthesis of derivatives of codeine and other 3-O-alkylmorphines. 4,795,813, 1-3-89, Cl. 546-45.000.

Schwartz, Martin A.: *See—*
- Helferich, Richard J., 4,864,301, Cl. 347-110.000.

Schwartz, Nira, to Niravoice, Inc. Modem compression system for telephone network. 4,805,208, 2-14-89, Cl. 379-93.000.

Schwartz, Nira, to Niravoice, Inc. Technique for transmission of voice communications and apparatus useful therein. 4,825,451, 4-25-89, Cl. 375-27.000.

Schwartz, Nira, to Niravoice, Inc. Data compression system using frequency band translation and intermediate sample extrapolation. 4,852,129, 7-25-89, Cl. 375-122.000.

Schwartz, Nira. Controllable telephone annunciator. 4,856,055, 8-8-89, Cl. 379-374.000.

Schwartz, Paul, to International Pharmaceutical Products. Coordination complexes of platinum useful as antiproliferative agents. 4,853,380, 8-1-89, Cl. 514-184.000.

Schwartz, Paul A., to Eastman Kodak Company. Bleach-accelerating compositions comprising sorbitan ester compounds and use thereof in photographic color processing. 4,839,262, 6-13-89, Cl. 430-379.000.

Schwartz, Reinhard: *See—*
- Cigolotti, Jean-Pierre; Devillierre, Denis; Leblanc, Jean; and Schwartz, Reinhard, 4,829,646, Cl. 29-156.40R.

Schwartz, Richard, to North American Enclosures, Inc. Picture frame. 4,833,803, 5-30-89, Cl. 40-152.000.

Schwartz, Robert: *See—*
- Allsopp, James F.; and Schwartz, Robert, 4,864,953, Cl. 114-103.000.

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, to Stauffer Chemical Company. Production of fermented vegetable oil products containing an emulsifier. 4,810,507, 3-7-89, Cl. 426-33.000.

Schwartz, Robert D.; Anderson, Thomas M.; and Fernandez, Enrique, to National Starch and Chemical Corporation. Production of fermented whey products containing an emulsifier. 4,851,235, 7-25-89, Cl. 426-33.000.

Schwartz, Robert E.; Hirsch, Charles F.; Sigmund, Janet M.; and Pettibone, Douglas J., to Merck & Co., Inc. Hapalindolinone compounds as vassopressin antagonists. 4,803,217, 2-7-89, Cl. 514-409.000.

Schwartz, Robert E.; Onishi, Janet C.; Monaghan, Richard L.; Liesch, Jerrold M.; and Hensens, Otto D., to Merck & Co., Inc. Antifungal fermentation product and derivatives and compositions thereof. 4,847,284, 7-11-89, Cl. 514-424.000.

Schwartz, Robert E.: *See—*
- Hensens, Otto D.; Kempf, August J.; Schwartz, Robert E.; Sykes, Ruth S.; Wichmann, Carol F.; Wilson, Kenneth E.; Zimmerman, Sheldon B.; and Zink, Deborah L., 4,806,565, Cl. 514-467.00L.
- Presnall, Dale W.; Keller, Michael R.; and Schwartz, Robert E., 4,798,150, Cl. 110-171.000.

Schwartz, Robert J.; and Reinagel, Frederick G., to LTV Aerospace & Defense Company. Method and apparatus for digital TACAN output conversion. 4,801,923, 1-31-89, Cl. 341-144.000.

Schwartz, Robert N.: *See—*
- Little, Michael J.; Efron, Uzi; Braatz, Paul O.; Schwartz, Robert N.; Owechko, Yuri; and Welkowsky, Murray S., 4,807,976, Cl. 350-355.000.

Schwartz, Rodney E.: *See—*
- Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.

Schwartz, Ronald S.; Kish, John K.; Jellum, Jeffery J.; and Organick, Allen B., to Organick, Allen B. Sight glass with inner surface wiper. 4,827,770, 5-9-89, Cl. 73-324.000.

Schwartz, Thomas A.: *See—*
- Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.

Schwartz, Thomas W.: *See—*
- Skinner, Mark C.; and Schwartz, Thomas W., 4,849,273, Cl. 428-102.000.

Schwartz, Ulrich: *See—*
- Arlt, Dieter; Schwartz, Ulrich; Brandt, Hans-Walter; Arlt, Wolfgang; and Nickel, Andreas, 4,874,473, Cl. 203-1.000.

Schwartz, Wilbur E.: *See—*
- Viscome, Dennis M.; and Schwartz, Wilbur E., 4,813,722, Cl. 292-216.000.

Schwartz, Willis T., to Occidental Chemical Corporation. Process for the preparation of phenoxy phthalic anhydrides. 4,827,000, 5-2-89, Cl. 549-243.000.

Schwartz, Willis T. Process for the preparation of oxy-diphthalic anhydrides. 4,837,404, 6-6-89, Cl. 549-241.000.

Schwartz, Willis T.: *See—*
- Molinaro, John R.; Pawlak, Joseph A.; and Schwartz, Willis T., 4,870,194, Cl. 549-241.000.

Schwartz, Willis T., Jr., to Occidental Chemical Corporation. Process for the preparation of diether diphthalic anhydrides. 4,868,316, 9-19-89, Cl. 549-241.000.

Schwartz, Wolfgang; Warmuth, Otto L.; and Grzyb, Claus D., to U.S. Philips Corporation. Digital circuit for suppressing fast signal variations. 4,862,404, 8-29-89, Cl. 364-733.000.

Schwartz, Zvi: *See—*
- Schwartz, Erez; and Schwartz, Zvi, 4,871,555, Cl. 426-82.000.

Schwartzkopf, George, to J. T. Baker Inc. Process of deep ultra-violet imaging lithographic resist compositions. 4,808,512, 2-28-89, Cl. 430-326.000.

Schwartzman, Alvin, to United States of America, Army. Electronic back-up safety mechanism for hand-emplaced land mines. 4,882,993, 11-28-89, Cl. 102-218.000.

Schwartzman, Benjamin, to AMP Incorporated. Clamping tool and stripping method for coaxial cable. 4,815,207, 3-28-89, Cl. 29-828.000.

Schwartzman, Blake: *See—*
- Hartman, James; and Schwartzman, Blake, 4,837,756, Cl. 368-286.000.

Schwartzman, Everett H. Resiliently mounted fluid bearing assembly. 4,828,403, 5-9-89, Cl. 384-100.000.

Schwartzman, Everett H. Resiliently mounted fluid bearing assembly. 4,884,899, 12-5-89, Cl. 384-100.000.

Schwartzman, Gil. Locking device. 4,844,677, 7-4-89, Cl. 411-512.000.

Schwarz, Charles F. Bird shaped toy glider. 4,863,413, 9-5-89, Cl. 446-62.000.

Schwarz, Douglas B.: *See—*
- Pyzik, Aleksander J.; Dubensky, William J.; Schwarz, Douglas B.; and Beaman, Donald R., 4,883,776, Cl. 501-10.000.

Schwarz, Eckhard C. A., to Biax Fiberfilm Corporation. Tube of oriented, heat shrunk, melt blown fibers. 4,847,125, 7-11-89, Cl. 428-34.900.

Schwarz, Edward L.; and Keel, Beat G., to Magnetic Peripherals Inc. Static charge protection for magnetic thin film data transducers. 4,800,454, 1-24-89, Cl. 360-103.000.

Schwarz, Edward L.: *See—*
- Keel, Beat G.; Tran, Tuan P.; Bonnie, Gene P.; and Schwarz, Edward L., 4,819,111, Cl. 360-125.000.

Schwarz, Engelbert: *See—*
- Riemscheid, Helmut; and Schwarz, Engelbert, 4,841,679, Cl. 51-281.00C.

Schwarz, Frederick M.; and Candelori, David J., to United Technologies Corporation. Controlled temperature rotating seal. 4,869,640, 9-26-89, Cl. 415-115.000.

Schwarz, Gail B.: *See—*
- Lewis, Tedford P.; Schwarz, Gail B.; Smith, Amanda M.; and Smith, Arthur B., 4,848,772, Cl. 273-286.000.

Schwarz, George: *See—*
- Hamblin, Peter; and Schwarz, George, 4,804,308, Cl. 414-540.000.

Schwarz, Guenther: *See—*
- Metzler, Horst; and Schwarz, Guenther, 4,819,769, Cl. 188-218.0XL.

Schwarz, Gunter; and Neuhaus, Ulrich, to Altenkirchener Kunststoff GmbH; and Hoechst Aktiengesellschaft. Length of hose made out of an elastic material that readily recovers its shape. 4,869,471, 9-26-89, Cl. 267-33.000.

Schwarz, Hans-Helmut, to Bayer Aktiengesellschaft. Process for the preparation of Schiff's bases. 4,804,753, 2-14-89, Cl. 540-450.000.

Schwarz, Helmut E., to Electrospace Systems, Inc. Antenna tracking system. 4,837,576, 6-6-89, Cl. 342-77.000.

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Schwarz, Manfred, to Gebruder Lodige Maschinenbaugesellschaft mbH. Mixing apparatus containing a mixer and a pulveriser. 4,860,960, 8-29-89, Cl. 241-89.300.

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  Vorbruggen, Helmut; Schwarz, Norbert; Loge, Olaf; Sturzebecher, Claus-Steffen; and Elger, Walter, 4,870,104, Cl. 514-530.000.

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Schwarz, Robert A.: *See*—
  Patel, Navinchandra R.; and Schwarz, Robert A. 4,881,001, Cl. 310-258.000.

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  Orsburn, Michael L.; Hemsky, Robert L.; Tucker, Terry L.; Schwarz, Robert E.; and Fearing, Craig F., 4,876,589, Cl. 358-22.000.

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  Moeller, Gary D.; Seeman, Steven R.; and Schwarz, Theodore A., 4,863,114, Cl. 242-188.000.

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  Kurze, Peter; Krysmann, Waldemar; Berger, Maria; Rabending, Klaus; Schreckenbach, Joachim; Schwarz, Thomas; and Hartmann, Karl-Heinz, 4,869,789, Cl. 204-56.100.
  Reinartz, Hans D.; Steffes, Helmut; Maas, Joachim; and Schwarz, Thomas, 4,811,809, Cl. 180-197.000.

Schwarz, Volker: *See*—
  Notz, Wolfgang; Schwarz, Volker; and Augustin, Ulrich, 4,840,060, Cl. 73-119.00A.

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  Hall, Lance L.; and Schwarz, W. Peter, 4,824,100, Cl. 272-65.000.

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Schwarz, Wilhelm; and Heinz, Winfried, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Protective device for submersible lance in steel making or the like. 4,852,857, 8-1-89, Cl. 266-99.000.

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Schwarzbacker, Werner, to Convotherm Elektrogerate GmbH. Device for heat-treating food items. 4,884,553, 12-5-89, Cl. 126-20.000.

Schwarzbauer, Herbert, to Siemens Aktiengesellschaft. Method of securing electronic components to a substrate. 4,810,672, 3-7-89, Cl. 437-209.000.

Schwarzberg, Moshe: *See*—
  Adolfsen, Robert H.; Hedaya, Eddie; Mak, C. Lam; and Schwarzberg, Moshe, 4,839,276, Cl. 435-7.000.

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Schwarze, Hans O. Stripping device for the return run of conveyor belts. 4,850,474, 7-25-89, Cl. 198-499.000.

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  Clauss, Heinz; Drexel, Peter; Gosdowski, Gerhard; Kettner, Andreas; Leisner, Ernst; and Schwarze, Udo, 4,831,290, Cl. 310-12.000.

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  Rosenberg, Siegfried; and Schwarzenbach, Kurt, 4,889,883, Cl. 524-289.000.

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Schwarzl, Karl: *See*—
  Loquenz, Heinz; Meissl, Siegfried; Schweiger, Helmut; Meindl, Norbert; Schwarzl, Karl; and Hruschka, Anton, 4,834,837, Cl. 162-19.000.

Schwarzler, Peter: *See*—
  Welschof, Hans-Heinrich; and Schwarzler, Peter, 4,878,882, Cl. 464-144.000.

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  Boehning, Karl-Heinz; Mross, Wolf D.; Schwarzmann, Matthias; Becker, Hans-Juergen; Plueckhan, Juergen; and Renner, Klaus-Christian, 4,829,043, Cl. 502-348.000.
  Lermer, Helmut; Hoelderich, Wolfgang; and Schwarzmann, Matthias, 4,822,920, Cl. 568-355.000.

Schwarzmeier, Karl: *See*—
  Buhler, Eugen; Strobel, Klaus; and Schwarzmeier, Karl, 4,853,170, Cl. 264-517.000.

Schwarzwalder, Gottlob. Process and device for the fully automatic cleaning of spray guns fouled with paint or varnish. 4,881,561, 11-21-89, Cl. 134-76.000.

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  Konrad, Rainer; Funk, Guido; Schmidt-Thuemmes, Juergen; Mueller-Mall, Rudolf; and Schweier, Guenther, 4,814,308, Cl. 502-107.000.
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Schweiger, Bernard; and Wagner, Alfred, to Lilly Industries Limited. Capsules. 4,822,618, 4-18-89, Cl. 424-453.000.

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  Lucas, Thomas H., 4,886,250, Cl. 267-95.000.

Schweiger, Willy. Process for precluding or reducing the danger to a system and the surroundings thereof by reactive mixtures. 4,797,248, 1-10-89, Cl. 376-279.000.

Schweighardt, Frank K.; and Rubertone, Joseph A., to Air Products and Chemicals, Inc. Perfluoro-crown ethers in fluorine magnetic resonance imaging. 4,838,274, 6-13-89, Cl. 128-654.000.

Schweighardt, Frank K., to Air Products and Chemicals, Inc. Stable fluorochemical aqueous emulsions. 4,866,096, 9-12-89, Cl. 514-756.000.

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  Bailey, Webb I.; Schweighardt, Frank K.; and Ayala, Varn, 4,827,053, Cl. 570-130.000.
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  Reuschling, Dieter; Linkies, Adolf; Reimann, Walter; Schweikert, Otto E.; Mack, Karl E.; and Ebertz, Wolfgang, 4,804,755, Cl. 544-2.000.
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  Beattie, Thomas B.; Schweinberg, Fred M.; and Rutzen, Ronald L., 4,878,782, Cl. 405-119.000.

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  Steiger, Wilfridus; Odemer, Michael; Schweingruber, Otto; and Cimbal, Jochen, 4,848,171, Cl. 74-42.000.

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  Dierke, Ruediger; Schlichthaerle, Gottfried; Schuchart, Peter; and Schweitzer, Armin, 4,830,091, Cl. 165-1.000.

Schweitzer, Edmund O., Jr. Fault indicator having delayed trip circuit. 4,795,982, 1-3-89, Cl. 324-508.000.

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  Kaibel, Gary W.; and Schweitzer, Frederick F., 4,833,379, Cl. 388-811.000.

Schweitzer, Jean J., to Vickers, Incorporated. Fluid pressure translating device. 4,800,800, 1-31-89, Cl. 91-483.000.

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  Baudino, Michael D.; De Franco, Michael D.; Lessar, Joseph F.; Brumwell, Dennis A.; Bornzin, Gene A.; and Schweitzer, Jeffrey A., 4,807,629, Cl. 128-413.0PG.
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  Melcher, Charles L.; Manente, Ralph A.; and Schweitzer, Jeffrey S., 4,883,956, Cl. 250-269.000.
  Wraight, Peter D.; Hertzog, Russel C.; Ellis, Darwin V.; Scott, Hubert D.; Schweitzer, Jeffrey S.; and Grau, James A., 4,810,876, Cl. 250-256.000.

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Schweitzer, Leonard J. Bending machine. 4,794,779, 1-3-89, Cl. 72-389.000.

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Schweitzer, Ronald D., to Universal Enterprises, Inc. Gas grill. 4,805,587, 2-21-89, Cl. 126-39.00L.

Schweitzer, Stefan; Golde, Ernst; and Mathews, Waldemar, to Otto Oeko-Tech GmbH & Co KG. Method and apparatus for separating and recovering volatile solvents from exhaust air. 4,846,852, 7-11-89, Cl. 55-31.000.

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Schweizer, Ernst: *See*—
  Stanek, Jaroslav; and Schweizer, Ernst, 4,839,379, Cl. 514-421.000.

Schweizer, Hartmut, to Robert Bosch GmbH. Method and apparatus for transmitting signals. 4,879,476, 11-7-89, Cl. 307-10.100.

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  Guler, Anton; and Rauber, Walter, 4,841,856, Cl. 102-202.130.

Schweizerische Isola-Werke: *See*—
  Altermatt, Ernst; and Heim, Peter, 4,861,947, Cl. 174-113.00C.

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Schwelling, Hermann. Wiper for the cutting mechanism of a shredder. 4,809,916, 3-7-89, Cl. 241-166.000.

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  Lategan, Christiaan B.; and Schwellnus, Theodore E., 4,819,338, Cl. 33-437.000.

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Schwend, Francis R.: *See*—
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  Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
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  Counsell, Raymond E.; Longino, Marc A.; Weichert, Jamey P.; and Schwendner, Susan P., 4,873,075, Cl. 424-1.100.

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  Kutschera, Karlheinz; Seibert, Rudolf; Scharm, Walther; and Schwendtner, Manfred, 4,835,516, Cl. 340-310.00R.

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  Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., 4,886,539, Cl. 65-135.000.

Schwenzer, Alfred F., to New Jersey Machine, Inc. Transfer controller microprocessor. 4,852,014, 7-25-89, Cl. 364-479.000.

Schwenzer, Alfred F.: *See*—
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  Reinelt, Karlheinz; and Schwenzer, Michael, 4,864,932, Cl. 102-282.000.

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  Frauenknecht, Josef; and Schwer, Dieter, 4,852,991, Cl. 8-586.000.

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Schwetz, Karl-Alexander; Grellner, Wolfgang; Hunold, Klaus; Mohr, Max; and Lipp, Alfred, to Elektroschmelzwerk Kempten GmbH. Dense molded bodies of polycrystalline aluminum nitride and process for preparation without use of sintering aids. 4,803,183, 2-7-89, Cl. 501-96.000.

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Schwickrath, Bruce R., to Intellistor, Inc. Anti-tip device. 4,836,624, 6-6-89, Cl. 312-216.000.

Schwidetzky, Christoph: *See—*

Wienand, Henning; Ostertag, Werner; Schwidetzky, Christoph; and Knittel, Helmut, 4,851,049, Cl. 106-479.000.

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Siegmund, Hans-Joachim; and Schwiecker, Horst, 4,878,755, Cl. 356-382.000.

Schwiegerling, Paul E. Catheter-insertion forceps. 4,889,118, 12-26-89, Cl. 606-108.000.

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Tipton, Craig D.; and Schwind, James J., 4,849,123, Cl. 252-75.000.

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Schwinn Bicycle Company: *See—*

Corliss, William, 4,845,864, Cl. 36-131.000.

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Mueller, Clifford F.; and Herzovi, George, 4,813,591, Cl. 228-173.400.

Read, Robert, 4,825,156, Cl. 324-166.000.

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Sargeant, Bruce A.; Hoffenberg, Mark J.; Reasons, Rob; and Walpert, Robert A., 4,834,363, Cl. 272-73.000.

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Schwolsky, Peter M.: *See—*

Kaali, Steven; and Schwolsky, Peter M., 4,827,946, Cl. 128-830.000.

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Sci-Agra, Inc.: *See—*

Kniskern, Robert J.; Dygert, Timothy W.; Cheney, Casey; and Blomenberg, Timothy, 4,868,901, Cl. 250-222.200.

SCI Systems, Inc.: *See—*

Faes, Steven M., 4,857,945, Cl. 346-160.100.

Fulton, Alfred L.; Lakhani, Kishor M.; Sampson, Scott D.; and Lowman, Kent, 4,851,864, Cl. 346-159.000.

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Meyer, Stephen C.; Lance, Roger L.; Hetzler, Connie L.; Dunaerly, Cedric A., II; Roessler, Thomas H.; Zenker, David L.; and Sciaraffa, Michael A., 4,798,603, Cl. 604-378.000.

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Eidelman, Shmuel, 4,823,672, Cl. 89-1.130.

P'an, Charles T.; Christie, Dean E.; and Grills, Robert H. 4,836,026, Cl. 73-620.000.

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Science Research Laboratory, Inc.: *See—*

Klinkowstein, Robert E.; and Shefer, Ruth, 4,812,775, C 328-233.000.

Shefer, Ruth; Klinkowstein, Robert E.; and Petrasso, Richard 4,887,604, Cl. 128-654.000.

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Hisanaga, Michio; Suzuki, Kazunori; Naito, Masatoka; and Shirasaki, Shinichi, 4,832,893, Cl. 264-125.000.

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Lee, Richard H. C.; Hwang, John C. C.; Ma, Ing J.; and Lin, Ching F., 4,815,095, Cl. 372-107.000.

Scientific Atlanta, Inc.: *See—*

Goodrich, Jeffrey A.; Poe, Charles M., Jr.; and Proha, Jeffrey A. 4,880,966, Cl. 250-231.00R.

Granere, Verne R., 4,866,429, Cl. 340-680.000.

Hess, Doren W., Jr.; and Jones, John R., 4,885,593, Cl. 343-786.00

Huddleston, Paul M.; Porter, G. Burns, Jr.; and Rooney, David T. 4,855,922, Cl. 364-464.040.

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Mobley, J. Graham, 4,805,229, Cl. 455-138.000.

Mobley, Joseph G.; Kozushin, Anatoly; Baher, Saeed; Addiss, Steve; Paulk, Howard; and Farmer, James, 4,888,799, C 380-6.000.

Nichols, Steven R.; Hyers, Robert C.; Stovall, Walter M.; and Trawick, Charles D., 4,853,839, Cl. 364-167.010.

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van Rassel, William, 4,817,142, Cl. 380-15.000.

Williams, Thomas H., 4,821,047, Cl. 343-882.000.

Scientific Computer Systems Corporation: *See—*

Cook, Erick M.; Phelps, Andrew E.; and Potash, Hanan, 4,837 Cl. 364-200.000.

Scientific Design Company, Inc.: *See—*

Armstrong, William D., 4,841,080, Cl. 549-536.000.

Armstrong, William D., 4,864,042, Cl. 549-534.000.

Becker, Mitchell; and Walden, John, 4,795,818, Cl. 549-260.00

Harvey, Robert J., 4,841,072, Cl. 549-230.000.

Ozero, Brian J., 4,879,396, Cl. 549-534.000.

Rashkin, Jay A., 4,837,347, Cl. 549-534.000.

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Scientific Development Corporation: *See—*

Bent, Rodney B.; and Casper, Paul W., 4,812,852, Cl. 342-457.00

Scientific Games of California, Inc.: *See—*

Black, Charles H.; and LaSusa, Vincent, 4,835,624, Cl. 360-2.000.

Scientific Growth, Inc.: *See—*

Crisp, William E.; Kudlicki, Richard C.; and Smith, Judson L., 4,817,651, Cl. 134-102.000.

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Ettinger, Kamil V.; and Brondo, Joseph H., Jr., 4,851,687, Cl. 250-390.040.

Scientific Plastics, Inc.: *See—*

Dickstein, Victor, 4,834,163, Cl. 160-176.100.

Scifres, Donald R.; Kung, Hsing; Cross, Peter; Burnham, Robert D.; and Streifer, William, to Spectra Diode Laboratories, Inc. Lateral superradiance suppressing diode laser bar. 4,803,691, 2-7-89, Cl. 372-150.000.

Scifres, Donald R.; and Streifer, William, to Spectra Diode Laboratories, Inc. Semiconductor laser with integrated optical elements. 4,815,084, 3-21-89, Cl. 372-46.000.

Scifres, Donald R.; and Worland, D. Philip, to Spectra Diode Laboratories, Inc. Bright optical pumping system for solid state lasers. 4,818,062, 4-4-89, Cl. 350-96.290.

Scifres, Donald R.; and Worland, D. Philip, to Spectra Diode Laboratories, Inc. Bright output optical system with tapered bundle. 4,820,010, 4-11-89, Cl. 350-96.150.

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Scifres, Donald R.; and Burnham, Robert D., to Xerox Corporation. Quantum well heterostructure lasers with low current density threshold and higher T_O values. 4,882,734, 11-21-89, Cl. 372-45.000.

Scifres, Donald R.: *See—*

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Streifer, William; Scifres, Donald R.; and Harnagel, Gary L., 4,826,269, Cl. 350-3.720.

Streifer, William; Scifres, Donald R.; and Klein, Jerome R., 4,862,802, Cl. 102-201.000.

Welch, David; Scifres, Donald R.; Cross, Peter; and Streifer, William, 4,809,288, Cl. 372-46.000.

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Sciggs, Susan M.: *See—*

Sciggs, Victor S.; and Sciggs, Susan M., 4,811,150, Cl. 360-132.000.

Sciggs, Victor S.; and Sciggs, Susan M. Device to replace safety tab in VHS format video tapes. 4,811,150, 3-7-89, Cl. 360-132.000.

Scilla, Salvatore J.: *See—*

Kellner, Benedikt M. J.; and Scilla, Salvatore J., 4,808,365, Cl. 264-343.000.

Scimat Limited: *See—*

Cook, John A.; and Singleton, Raymond W., 4,818,596, Cl. 428-265.000.

McLoughlin, Robert H., 4,849,144, Cl. 264-45.900.

McLoughlin, Robert H.; Park, George B.; Cook, John; and Myers, Stephen E., 4,882,828, Cl. 29-623.100.

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Keith, Peter T.; and Voegele, Gerald G., 4,838,268, Cl. 128-344.000.

Robinson, David B.; and Penny, William H., 4,838,269, Cl. 128-344.000.

Willard, Lloyd K.; and Euteneuer, Charles L., 4,846,174, Cl. 128-344.000.

Scimone, Anthony: *See—*

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Sciortino, John L., to Commercial Shearing, Inc. Method of manufacturing hemispherical tank heads. 4,835,359, 5-30-89, Cl. 219-121.590.

Sciortino, Michael J.; and Schmidt, Wendel, to Glenview Security Systems, Inc. Lock type sealed paper currency collector and security device. 4,854,247, 8-8-89, Cl. 109-1.00R.

Sciscia, David M. Tennis net height extender. 4,852,876, 8-1-89, Cl. 273-29.00A.

Sciscoe, Alfred L. Temperature alarm for stoves. 4,866,427, 9-12-89, Cl. 340-594.000.

Sciteq Electronics, Inc.: *See—*

Goldberg, Bar-Giora, 4,868,510, Cl. 328-14.000.

Scitex Corporation Ltd.: *See—*

Klausman, Alex, 4,834,520, Cl. 350-584.000.

Stern, Amnon; and Nagler, Michael, 4,853,709, Cl. 346-108.000.

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Cremins, John F.; Kim, Young R.; Malin, Michael J.; and Sclafani, Louis D., 4,801,549, Cl. 436-63.000.

Sclavo, Inc.: *See—*

Gifford, Charles R.; and Bigliardi, Achille M., 4,802,768, Cl. 356-417.000.

Sclavo S.p.A.: *See—*

Verdini, Antonio S.; Bonelli, Fabio; Pessi, Antonello; Cardinali, Franco; Boraschi, Diana; Censini, Stefano; and Di Trapani, Romano, 4,816,560, Cl. 530-323.000.

SCM Glidco Organics Corp.: *See—*

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SCM Metal Products, Inc.: *See—*

Buerkle, Thomas B.; and Troxell, Jack D., 4,885,029, Cl. 75-235.000.

Klar, Erhard; and Elattar, Azza, 4,824,984, Cl. 556-472.000.

Klar, Erhard; Svilar, Mark; and Berry, David F., 4,861,373, Cl. 75-244.000.

Samal, Prasan K.; and Nadkarni, Anil V., 4,879,091, Cl. 419-19.000.

Scobey, Michael A.; Seddon, Richard I.; Seeser, James W.; Austin, R. Russel; LeFebvre, Paul M.; and Manley, Barry W., to Optical Coating Laboratory, Inc. Magnetron sputtering apparatus and process. 4,851,095, 7-25-89, Cl. 204-192.120.

Scobie, William B., to Keystone International, Inc. Method for forming a torus and a piston made therefrom for use in a rotary actuator. 4,817,213, 4-4-89, Cl. 29-527.600.

Scobie, William B.; and Yohner, Paul A., to Keystone International, Inc. Valve assembly. 4,828,221, 5-9-89, Cl. 251-308.000.

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Scobie, William B.; and Kusmer, Daniel P., to Keystone International, Inc. Transmission assembly for use with double block and bleed system. 4,846,225, 7-11-89, Cl. 137-862.000.

Scobie, William B.; and Calvin, Douglas G., to Keystone International, Inc. Methods and apparatus for adjusting a valve closure member. 4,846,441, 7-11-89, Cl. 251-307.000.

Scoggins, William C.; Herold, Claus-Peter; and Mueller, Heinz, to Henkel Kommanditgesellschaft auf Aktien. Fluid loss additive for well drilling fluids. 4,851,142, 7-25-89, Cl. 252-8.515.

Scognamiglio, Guy A., Jr.: *See—*

Neelman, Herbert H.; and Scognamiglio, Guy A., Jr., 4,843,962, Cl. 101-240.000.

Scola, Daniel A., to United Technologies Corporation. High temperature fluorinated polymer. 4,801,682, 1-31-89, Cl. 528-353.000.

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Scolastico, Carlo; and Tronconi, Giovanni, to Neopharmed Spa. Complexes of glycerylphosphorylcholine. 4,824,978, 4-25-89, Cl. 556-26.000.

Scolastico, Carlo: *See—*

Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,812,478, Cl. 514-550.000.

Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,868,211, Cl. 514-550.000.

Scoledge, Robert F., Jr.: *See—*

Parent, Edward D.; Spooner, Edwin J.; and Scoledge, Robert F., Jr., 4,847,031, Cl. 264-332.000.

Scoles, Kevin J.: *See—*

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Scollard, Roderick W., to Boeing Company, The. Machine tool spindle actuated workpiece clamping system. 4,850,099, 7-25-89, Cl. 29-563.000.

Scolnick, Edward: *See—*

Hoffman, William F.; Scolnick, Edward; and Smith, Robert L., 4,851,436, Cl. 514-529.000.

Scolten, Brian L.: *See—*

Knoblock, Glenn A.; and Scolten, Brian L., 4,872,635, Cl. 248-406.200.

Scoman, Henry: *See—*

Chauvier, Jean-Marie; Moussiaux, Leon; and Scoman, Henry, 4,861,506, Cl. 252-95.000.

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Scopes, David I. C.: *See—*

Phillipps, Gordon H.; Dyke, Stanley F.; Bailey, Esme J.; Howes, Peter D.; and Scopes, David I. C., 4,835,158, Cl. 514-279.000.

Scopes, Peter E., to Blockfoil Limited. Indicating the condition of a surface. 4,813,712, 3-21-89, Cl. 283-114.000.

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Munro, Roderick L.; and Weilgut, R. John, 4,830,537, Cl. 405-179.000.

Scordato, James, to Dynascan Corporation. Answering machine with cordless telephone. 4,881,259, 11-14-89, Cl. 379-58.000.

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Scordialo, Angelo: *See—*

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Scordo, Dominick: *See—*

Baranyai, Lawrence; and Scordo, Dominick, 4,873,663, Cl. 365-73.000.

Scortecci, Gerard. Dental implant for the securement of fixed dental prostheses, its tool for its positioning and its insertion process. 4,815,974, 3-28-89, Cl. 433-173.000.

Scorza, Osvaldo C.: *See—*
Favetto, Guillermo J.; Chiriffe, Jorge; Scorza, Osvaldo C.; and Hermida, Carlos A., 4,834,017, Cl. 116-207.000.
Scorzato, Giuseppe: *See—*
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Scosche Industries, Inc.: *See—*
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Putman, Rob R.; Nimpoeno, Roy; and Alves, Roger J., 4,868,715, Cl. 361-422.000.
Scot, Incorporated: *See—*
Evans, Griffith S., 4,856,433, Cl. 102-530.000.
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Takata, Earl K.; Paul, Ben E.; and Nordhaus, John P., 4,850,553, Cl. 244-137.400.
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Jones, Anthony M., 4,843,674, Cl. 15-147.00R.
Young, Ronald A., 4,878,264, Cl. 15-264.000.
Scott, Alan L.: *See—*
Johnson, Harold W.; Mastel, James M.; and Scott, Alan L., 4,836,100, Cl. 100-118.000.
Scott, Andrew: *See—*
Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,884,908, Cl. 400-241.200.
Paffhausen, Hans; Hogarth, Ian; Scott, Andrew; and Mackintosh, Christine, 4,886,386, Cl. 400-241.400.
Scott, Andrew M.: *See—*
DeWitz, Thomas S.; Turner, Louis H., III; Ploeg, Johannes E. G.; Van Kessel, Matheus M.; Scott, Andrew M.; and Everts, Rudi, 4,865,627, Cl. 55-20.000.
Dirkse, Hendrik A.; Steenge, Wiecher D. E.; and Scott, Andrew M., 4,809,886, Cl. 222-195.000.
Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,830,545, Cl. 406-12.000.
Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.
Scott, Avery. Plastic shaving device. 4,845,845, 7-11-89, Cl. 30-32.000.
Scott Bader Company Limited: *See—*
Chaudhry, Arshad-Ul-Haq, 4,873,124, Cl. 427-207.100.
Jarnott, Frank T.; and Norwood, Leslie S., 4,838,449, Cl. 220-5.00A.
Scott, Barry M.: *See—*
Gadsby, Peter D.; Moore, Martin R.; Olson, Denis E.; and Scott, Barry M., 4,852,571, Cl. 128-640.000.
Scott, Bentley N.; and Yang, Y. Sam, to Atlantic Richfield Company. Microwave apparatus for measuring fluid mixtures. 4,862,060, 8-29-89, Cl. 324-58.50A.
Scott, Brent. Kaleidoscope with restrictive aperture for visual enhancement. 4,854,657, 8-8-89, Cl. 350-4.200.
Scott, Bruce M.: *See—*
Loscalzo, Dominick; Scott, Bruce M.; Freese, Lawrence O.; and Picozza, Augusto A., 4,804,349, Cl. 446-93.000.
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Scott, Charles W., Jr., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical fiber connector including serpentine grooved member actuated by longitudinal forces. 4,867,523, 9-19-89, Cl. 350-96.200.
Scott, Cheryl F.; and Colman, Robert W., to Temple University of the Commonwealth System of Higher Education. High molecular weight kininogen assay. 4,882,272, 11-21-89, Cl. 435-13.000.
Scott, Christopher R. Construction systems and elements thereof. 4,817,356, 4-4-89, Cl. 52-729.000.
Scott Continental, N.V.: *See—*
Vankerckhoven, Henk F. E.; and De Koster, Eric H. C., 4,869,957, Cl. 428-352.000.
Scott, Daniel G.; and Hill, Theodore B., to American Standard Inc. Clamping arrangement for diaphragm piston assembly. 4,887,516, 12-19-89, Cl. 92-98.00D.
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Scott, David B.: *See—*
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Scott, Donald S. Hydrogasification of biomass to produce high yields of methane. 4,822,935, 4-18-89, Cl. 585-240.000.
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Scott, Errol R., to Partall Systems (Proprietary) Limited. Cistern flushing apparatus. 4,809,367, 3-7-89, Cl. 4-324.000.
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Sanders, Gary G., 4,852,408, Cl. 73-718.000.
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Scott, George R.; Gray, John C.; and Scott, Eric M., to Motorola, Inc. Hydroelectrically powered, remotely controlled irrigation system 4,838,310, 6-13-89, Cl. 137-624.140.
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Castonguay, Roger N.; Morris, Robert A.; Dziura, Richard A. Scott, Graham A.; and DiVincenzo, Gregory T., 4,806,893, Cl. 335-20.000.
Castonguay, Roger N.; Palmieri, Joseph M.; and Scott, Graham A. 4,884,048, Cl. 335-18.000.
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Scott, Graham W.: *See—*
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Scott, Harold C.; and Martin, Carl O. Self propelled carrier. 4,856,8 8-15-89, Cl. 296-24.200.
Scott, Henry. Spinal traction and support unit used while seated 4,881,528, 11-21-89, Cl. 128-75.000.
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Scott, James W. Universal orthopedic recuperative garment. 4,878,490, 11-7-89, Cl. 128-77.000.
Scott, James W. Well leg operative support. 4,886,258, 12-12-89, Cl. 269-328.000.
Scott, James W.: *See—*
Yawberg, Richard C.; and Scott, James W., 4,817,365, Cl. 53-438.000.
Scott, Jeff. Portable cooler. 4,858,444, 8-22-89, Cl. 62-372.000.
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Scott, John: *See—*
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Scott, John C., to Broken Hill Proprietary Company Limited, The. Sensing of methane. 4,871,916, 10-3-89, Cl. 250-338.500.
Scott, John C.; and Shattuck, Meredith D., to International Business Machines Corporation. Organic photoconductors with reduced fatigue. 4,874,682, 10-17-89, Cl. 430-59.000.
Scott, John C.; Li, Eric K.; Washburn, Hudson A.; and Viswanathan, Nal T., to Akshic Memories Corporation. Method of making a thin film magnetic disk. 4,880,514, 11-14-89, Cl. 204-192.200.
Scott, John H. Body scrubber. 4,817,227, 4-4-89, Cl. 15-21.00R.
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Scott, John S.; and Legters, George R., to dba Systems, Inc. Visual training apparatus. 4,805,121, 2-14-89, Cl. 364-522.000.
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Scott, Junius D.; and Gotal, John D., to FMC Corporation. Variable frequency controller. 4,811,193, 3-7-89, Cl. 363-165.000.
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Scott, Leslie A.; and Dubois, Maurice L., to Sherritt Gordon Mines Limited. Filtering media for controlling the flow of sand during oil well operations. 4,821,800, 4-18-89, Cl. 166-228.000.
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Scott, Lucretia M. Camisole underwire bra garment. 4,798,557, 1-17-89, Cl. 450-31.000.
Scott Manufacturing, Inc.: *See—*
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Scott, Marshall H.; Cuckler, Robert E.; Polstra, John D.; Vannelli, Anthony R.; and Hazelton, W. Douglas, to John Fluke Mfg. Co., Inc. Memory emulation method and system for testing and troubleshooting microprocessor-based electronic systems. 4,868,822, 9-19-89, Cl. 371-16.000.
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Scott, Michael G., to Standard Telephones and Cables, Public Limited Company. Metallic-glass coated optical fibres. 4,812,150, 3-14-89, Cl. 65-3.110.
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Scott, Norman H.: *See—*
Vora, Bipin V.; and Scott, Norman H., 4,806,695, Cl. 568-697.000.
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Carey, Francis J.; Cordrey, Nancy A.; and Hipkins, James J., 4,814,204, Cl. 427-286.000.
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Gentile, Victor M., Jr.; and Wilder, Harry D., 4,849,053, Cl. 162-76.000.
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Scott, Paul F.; Button, Donald C.; Reeves, Charles B.; and Howerter, Edward D., to Emhart Industries, Inc. Wall thickness detector. 4,820,972, 4-11-89, Cl. 324-61.00P.
Scott, Paul F., to Emhart Industries, Inc. Glass container wall thickness inspecting machine. 4,870,342, 9-26-89, Cl. 324-61.00R.
Scott, Paul F.: *See—*
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Baker, Russ J.; Hansen, Robert A.; Scott, Paul F.; and Vozenilek, Edward F., 4,862,062, Cl. 324-61.00R.
Williams, Reade; and Scott, Paul F., 4,816,668, Cl. 250-223.00B.
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Scott, Peter A. J., to T&N Technology Limited. Bearings and seals. 4,869,601, 9-26-89, Cl. 384-100.000.
Scott, Philip A. Multi-level game. 4,883,278, 11-28-89, Cl. 273-241.000.
Scott, Philip R.: *See—*
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Scott, Ray V., Jr.; and House, David W., to UOP Inc. Secondary aromatic diamines as curing agents in polyurethane and polyurea manufacture by reaction injection molding. 4,801,674, 1-31-89, Cl. 528-68.000.
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Baumann, William M.; House, David W.; and Scott, Ray V., Jr., 4,847,347, Cl. 528-68.000.
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Scott, Raymond P. W.; and Katz, Elena, to Perkin-Elmer Corporation, The. Ionization detectors for gas chromatography. 4,873,862, 10-17-89, Cl. 73-23.100.
Scott, Richard A.: *See—*
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Scott, Robert S. Combination hood support, jack crank, lug wrench and wheel cover removal apparatus. 4,811,440, 3-14-89, Cl. 7-100.000.
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Scott, Robert T. Earmold. 4,878,560, 11-7-89, Cl. 181-130.000.
Scott, Ronnie E. Fluorescent light holster. 4,858,763, 8-22-89, Cl. 206-419.000.
Scott, Russell E., to Scott, David Duane. Vehicle wheel lighting system. 4,881,153, 11-14-89, Cl. 362-78.000.
Scott, Samuel C. Reinforced form liner for surface texturing of concrete structures. 4,798,364, 1-17-89, Cl. 249-189.000.
Scott, Samuel C. Composite wall construction. 4,835,928, 6-6-89, Cl. 52-426.000.
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Nelson, Edmund A.; Colvin, Arthur E.; Hanley, Matthew W.; and Scott, Stephen C., 4,816,269, Cl. 426-232.000.
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- Scott, Taylor C., III: *See—*
  - Kinnersley, Alan M.; Scott, Taylor C., III; Yopp, John H.; and Whitten, George H., 4,813,997, Cl. 71-66.000.
- Scott, Tommy M.: *See—*
  - Rushbrook, Stanley E.; and Scott, Tommy M., 4,821,609, Cl. 81-45.000.
- Scott, W. James: *See—*
  - Chapoteau, Eddy; and Scott, W. James, 4,810,351, Cl. 204-418.000.
- Scott, Walter B. Heat shield insert. 4,805,244, 2-21-89, Cl. 2-272.000.
- Scott, Warner C., to Texas Instruments Incorporated. Method of optical character recognition. 4,864,628, 9-5-89, Cl. 382-21.000.
- Scott, Wayne. Rotary lawn mower gang frame. 4,815,259, 3-28-89, Cl. 56-6.000.
- Scott, William A.; and Dull, Carl, to Tillotson Limited. Starting aid for small internal combustion engines. 4,820,454, 4-11-89, Cl. 261-64.400.
- Scott, William A.; and Hutchinson, Mark A., to Tillotson, Ltd. Vapor return primer for carburetors of internal combustion engines. 4,824,613, 4-25-89, Cl. 261-35.000.
- Scott, William B., Jr.: *See—*
  - Newman, David A.; Laubengayer, William R.; and Scott, William B., Jr., 4,851,862, Cl. 346-107.00R.
- Scott, William D.; and Swartout, James J. Miter box attachment for cutting crown mouldings and the like. 4,875,399, 10-24-89, Cl. 83-468.300.
- Scott, William L.: *See—*
  - Armour, Henry K.; Kennedy, G. Davon; Koppel, Gary A.; and Scott, William L., 4,814,438, Cl. 536-23.000.
- Scott, William T.; and Leishear, Robert A., to Westinghouse Electric Corp. Electromagnetic interference connector. 4,886,463, 12-12-89, Cl. 439-89.000.
- Scotti, Carlo: *See—*
  - Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,847,232, Cl. 502-160.000.
  - Pagliari, Alberto; Scotti, Carlo; Del Bianco, Roberto; Angeloni, Giorgio; and Merenda, Michele, 4,866,137, Cl. 525-330.300.
- Scottish & Newcastle Breweries p/c: *See—*
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- Scotto, Anthony W.; and Zakim, David, to Cornell Research Foundation Inc., Cornell University. Proteoliposomes as drug carriers. 4,873,089, 10-10-89, Cl. 424-450.000.
- Scotto, Dominick P., to Unisys Corporation. Telescoping strut shock isolator. 4,815,716, 3-28-89, Cl. 267-64.160.
- Scotton, Geoffrey R.; and Kenward, Gary W. Automatic cell transfer system with error rate assessment. 4,829,519, 5-9-89, Cl. 371-5.000.
- Scourtelis, Nicolas, to Mamouth Comix Ltd. Elements for a modular system for the assembly of furniture, containers, partitions or the like. 4,864,794, 9-12-89, Cl. 52-582.000.
- Scovell, Peter D.; Blomley, Peter F.; and Baker, Roger L., to STC PLC. Semiconductor devices. 4,845,532, 7-4-89, Cl. 357-43.000.
- Scovell, Peter D.; Blomley, Peter F.; and Baker, Roger L., to STC PLC. Semiconductor devices. 4,849,364, 7-18-89, Cl. 437-31.000.
- Scovill Fasteners Inc.: *See—*
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  - Burke, James E.; and Zavatkay, Robert J., 4,805,273, Cl. 24-662.000.
  - Burke, James E.; and Zavatkay, Robert J., 4,818,205, Cl. 425-117.000.
  - Dziura, Walter H.; Fusco, Angelo; and Khosravi, Parviz, 4,882,824, Cl. 29-33.200.
- Scoville, Eugene; Turek, Evan J.; Wragg, Anthony; Cuozzo, Karlina D.; and Rankowitz, Marshall M., to General Foods Corporation. Hydrolysis of a partially extracted roasted and ground coffee. 4,798,730, 1-17-89, Cl. 426-432.000.
- Scoville, John R.: *See—*
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- Scowen, Geoffrey D.; and Crouch, Joseph C. J., to GKN Technology Limited. Spring assemblies. 4,832,320, 5-23-89, Cl. 267-227.000.
- Scowen, Kenneth J.: *See—*
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- Scozzafava, Michael; Specht, Donald P.; Ulman, Abraham; Willand, Craig S.; and Williams, David J., to Eastman Kodak Company. Optical article containing a transmission medium exhibiting a high level of second order polarization susceptibility. 4,886,339, 12-12-89, Cl. 350-96.340.
- Scragg, Edgar P.; and Scragg, John E. Tank constructions for containing fuel, and water separators for fuel feed systems. 4,799,504, 1-24-89, Cl. 137-38.000.
- Scragg, Edgar P. Device for dosing a flowing fluid. 4,804,065, 2-14-89, Cl. 184-39.000.
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- Scriabine, Alexander: *See—*
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- Scribner, Richard M.: *See—*
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- Scripps, Charles L., to Procter & Gamble Company, The. Disposable diaper having an improved fastening device. 4,846,815, 7-11-89, Cl 604-391.000.
- Scripps, Charles L., to Procter & Gamble Company, The. Mechanical fastening systems with adhesive tape disposal means for disposable absorbent articles. 4,869,724, 9-26-89, Cl. 604-389.000.
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  - Goodman, Michael G.; and Weigle, William O., 4,849,411, C 514-45.000.
  - Honsik, Cyril J.; and Reisfeld, Ralph A., 4,844,893, Cl. 424-85.800.
  - Houghten, Richard A., 4,886,663, Cl. 424-88.000.
  - Karplus, Thomas E.; Ulevitch, Richard J.; and Wilson, Curtis B. 4,808,314, Cl. 210-638.000.
  - McMillan, Robert, 4,810,632, Cl. 435-7.000.
  - Oldstone, Michael B. A.; and Rice, George, 4,818,678, C 435-5.000.
  - Reese, Robert T.; Howard, Randall F.; and Stanley, Harold A. 4,835,259, Cl. 530-395.000.
  - Rideout, Darryl C., 4,812,449, Cl. 514-183.000.
  - Shinnick, Thomas M.; Minden, Percy; and Houghten, Richard A. 4,889,800, Cl. 435-7.000.
  - Smith, Richard; Lamb, Peta-Maree; Curtiss, Linda K.; and Witztum, Joseph, 4,876,188, Cl. 435-7.000.
  - Smith, Richard S.; Hogle, Doreen M.; Curtiss, Linda K.; Witztum, Joseph L.; and Young, Steven, 4,828,986, Cl. 435-7.000.
  - Thornton, George B.; Moriarty, Ann M.; Milich, David R.; an McLachlan, Alan, 4,818,527, Cl. 424-88.000.
  - Thornton, George B.; Moriarty, Ann M.; Milich, David R.; an McLachlan, Alan, 4,882,145, Cl. 424-88.000.
  - Zimmerman, Theodore S.; and Fulcher, Carol A., 4,831,118, C 530-383.000.
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- Scripps, Keith A. Detector and light assembly. 4,812,827, 3-14-89, C 340-693.000.
- Scriptel Holding, Inc.: *See—*
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- Scriven, Rick R., to Tri-Star Manufacturing & Service, Inc. Expandable tap hole plug. 4,877,221, 10-31-89, Cl. 266-272.000.
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  - O'Dwyer, James B.; Chang, Wen-Hsuan; Scriven, Roger L.; an Cherenko, Joseph, 4,824,926, Cl. 528-65.000.
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  - French, Ronald L.; Smith, Ronald E.; and Buch, Mark J., 4,844,072, Cl. 128-400.000.
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  - Ostrowsky, Efrem M.; and Kinsley, John P., 4,887,747, Cl. 222-556.000.
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- Sebastian, Thomas V.: *See—*
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  - Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; Kis, Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.
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- Sebilet, Bruno R.: *See—*
  - Saussier, Alain; and Sebilet, Bruno R., 4,873,699, Cl. 375-1.000.
- Sebok, Dezso: *See—*
  - Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.
- Sebralla, Bruno: *See—*
  - Bossler, Hans J.; Enders, Peter; Boxhammer, Jorg; Rudolph, Bernd; and Sebralla, Bruno, 4,884,008, Cl. 315-152.000.
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- Sebring Forest Industries, Inc.: *See—*
  - MacIsaac, John E., 4,883,498, Cl. 44-532.000.
- Sebring, John P. Device for clamping the edge of a table. 4,852,841, 8-1-89, Cl. 248-231.500.
- Sebrosky, Robert A.: *See—*
  - Bulson, Laura G.; Misenheimer, Laura P.; and Sebrosky, Robert A., 4,839,621, Cl. 335-277.000.
  - Halbeisen, Richard A.; Harding, Stephen S.; and Sebrosky, Robert A., 4,867,059, Cl. 101-93.290.
- Sebzda, Jack, Sr. Clamping mechanism for securing an EDM electrode holder in a hydraulic chuck. 4,870,242, 9-26-89, Cl. 219-69.150.
- Secco, Renzo, to Industrie Secco S.p.A. Device for automatically closing windows. 4,835,904, 6-6-89, Cl. 49-7.000.
- Sechrist, Paul A.; and Koves, William J., to UOP. Regeneration method with reduced catalyst heat exposure. 4,859,643, 8-22-89, Cl. 502-37.000.
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- Seckel, Peter H., to Colorite Plastics Co. Kink impeding hose and coupling. 4,867,485, 9-19-89, Cl. 285-175.000.
- SECO Industries, Inc.: *See—*
  - Walz, David K.; Howerton, Robert D.; Allen, Andrew W.; Moss, Thera C.; and Kenney, William H., 4,840,770, Cl. 422-49.000.
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  - Andersson, Kjell, 4,843,929, Cl. 82-160.000.
  - Strand, Bengt N. G.; and Eklund, Sven L., 4,850,759, Cl. 408-239.00A.
- Seco/Warwick Corporation: *See—*
  - Ross, Robert H., 4,859,178, Cl. 432-237.000.
- Secondo, Pierre: *See—*
  - Calvignac, Jean; and Secondo, Pierre, 4,799,219, Cl. 370-94.000.
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- Secor, Jacob: *See—*
  - Kleschick, William A.; Secor, Jacob; and Holmsen, Theodore W., 4,874,421, Cl. 71-9.00H.
- Secrest Engineered Products, Inc.: *See—*
  - Secrest, John C., Jr., 4,887,717, Cl. 206-575.000.
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- Secrest, T. W.: *See—*
  - Pearson, Robert E., 4,803,523, Cl. 355-32.000.
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  - Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., 4,868,341, Cl. 568-664.000.
  - Hilsum, Cyril; Kerr, Kyle E. N.; and McDonnell, Damien G., 4,834,500, Cl. 350-331.00T.
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  - Saunderson, David H., 4,814,705, Cl. 324-225.000.
- Secure Anchoring & Foundation Equipment, Inc.: *See—*
  - Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,843,785, Cl. 52-160.000.
- Securitron-Magnalock Corporation: *See—*
  - Cook, Robert C.; and Barton, Mark R., 4,871,204, Cl. 292-251.500.
- Security Imprinter Corporation: *See—*
  - Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.
- Security Tag Systems, Inc.: *See—*
  - Dey, Subrata; and Menyhert, William R., 4,835,028, Cl. 428-67.000.
  - Dey, Subrata, 4,882,569, Cl. 340-572.000.
- dakov, Rinat G., deceased: *See—*
  - Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.
- Sedakova, Tatyana Pavlovna, Elvira Rinatovna Sedakova, Boris Rinatovich Sedakov, administrators: *See—*
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- Sedala, John R. Portable shower stall. 4,807,310, 2-28-89, Cl. 4-599.000.
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- Seddon, Alan E., to BICC plc. Overhead electric traction systems. 4,825,987, 5-2-89, Cl. 191-39.000.
- Seddon, John G. Liquid delivery accessory. 4,846,599, 7-11-89, Cl. 401-202.000.
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- Sederberg, Thomas W., to Brigham Young University. Computer graphics method for changing the shape of a geometric model using free-form deformation. 4,821,214, 4-11-89, Cl. 364-522.000.
- Sederoff, Ronald R.; Stomp, Anne-Marie; Moore, Larry W.; and Chilton, Scott W., to North Carolina State University. Method for transforming pine. 4,886,937, 12-12-89, Cl. 800-1.000.
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  - Bonville, Leonard J.; Grasso, Albert P.; and Sederquist, Richard A., 4,816,040, Cl. 55-42.000.
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- Sedgbeer, Melvyn D., to British Aerospace Public Limited Company. Radiation detector arrays having reduced number of signal paths. 4,889,984, 12-26-89, Cl. 250-211.00R.
- Sedgewick, Richard D. Flat windings and coil forms. 4,859,890, 8-22-89, Cl. 310-208.000.
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  - Danguy des Deserts, Loic M. J.; Sedillot, Francois G.; and Michel, Dominique, 4,797,034, Cl. 405-202.000.
- Sediver: *See—*
  - Thuillier, Denis; and Thevenet, Guy, 4,864,456, Cl. 361-126.000.
- Sedlacek, Douglas R., to Gates Rubber Company, The. Power transmission belt. 4,798,566, 1-17-89, Cl. 474-238.000.
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  - Dickneite, Gerhard; Schorlemmer, Hans-Ulrich; Kraemer, Hans P.; and Sedlacek, Hans H., 4,847,299, Cl. 514-579.000.
  - List, Paul H.; Schmidt, Peter C.; Steffens, Klaus-Jurgen; Perschbacher, Harald; Kraemer, Hans P.; and Sedlacek, Hans H., 4,801,455, Cl. 424-400.000.
- Sedlack, Mark A., to Century Products Company. Walker safety brake with single touch actuation. 4,844,209, 7-4-89, Cl. 188-5.000.
- Sedlak, Adolf: *See—*
  - Galie, Louis M.; Sedlak, Adolf; and Stotz, Gerhard, 4,886,988, Cl. 310-49.00R.
- Sedlak, Holger. Cryptographic method and cryptographic processor for carrying out the method. 4,870,681, 9-26-89, Cl. 380-30.000.
- Sedlak, Lois M.: *See—*
  - Prucha, Doris A.; and Sedlak, Lois M., 4,832,572, Cl. 416-146.00R.
- Sedlik, Brian R. Holder for handle bags. 4,881,706, 11-21-89, Cl. 248-99.000.
- Sedlmair, Gerhard, to Marker Deutschland GmbH. Toe piece for safety ski-binding. 4,834,414, 5-30-89, Cl. 280-625.000.
- Sedlmair, Thomas: *See—*
  - Adam, Peter; Sedlmair, Thomas; and Podlech, Manfred, 4,812,052, Cl. 374-50.000.
- Sedlmayr, Steven R., to Advance Display Technologies, Inc. Low Resolution fiber optic light transfer device. 4,867,530, 9-19-89, Cl. 350-96.270.
- Sedman, Raymond R., to United Environmental Technologies. Portable water conditioning apparatus. 4,826,594, 5-2-89, Cl. 210-266.000.
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  - Amundson, Donald E.; Hamaker, Jon B.; Pecht, Glenn G.; and Sedy, Josef, 4,889,348, Cl. 277-1.000.
- See Care Corporation: *See—*
  - Ingalz, Thomas J.; Gin, Jerry B.; and Wong, Vernon G., 4,886,066, Cl. 128-645.000.
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- See, Jackie R.: *See—*
  - Shell, William E.; and See, Jackie R., 4,811,741, Cl. 128-691.000.
  - Shell, William E.; and See, Jackie R., 4,820,732, Cl. 514-573.000.
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  - Irie, Tsutomu, 4,841,199, Cl. 315-83.000.
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  - Shell, William E.; and See, Jackie R., 4,811,741, Cl. 128-691.000.
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- Seebach, Dieter: *See—*
  - Imwinkelried, Rene; and Seebach, Dieter, 4,812,476, Cl. 562-470.000.
- Seeber, Kenneth P.; and Schlunke, Christopher K., to Orbital Engine Company Proprietary Limited. Multi-cylindered two stroke cycle engines. 4,886,021, 12-12-89, Cl. 123-73.0PP.
- Seeberger, Fritz, to Pumpen- und Maschinenbau Fritz Seeberger KG. Apparatus for feeding material to an eccentric-worm pump. 4,823,935, 4-25-89, Cl. 198-533.000.
- Seeberger, Jurgen: *See—*
  - Meyer, Helmut; and Seeberger, Jurgen, 4,879,497, Cl. 318-254.000.
- Seeberger, Klaus: *See—*
  - Wojaczek, Egon; Seeberger, Klaus; Rosenberg, Harry; and Stradtmann, Wolfgang, 4,815,898, Cl. 405-296.000.
- Seeberger, Kurt: *See—*
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- Seeburg, Peter H.: *See—*
  - de Boer, Herman A.; Heynerer, Herbert L.; and Seeburg, Peter H., 4,880,910, Cl. 530-350.000.
  - Mason, Anthony J.; and Seeburg, Peter H., 4,798,885, Cl. 530-350.000.
- Seeburg Phonograph Corporation: *See—*
  - Williams, Bernhard O.; and Harth, Arthur R., 4,831,75[illegible], Cl. 40-510.000.
- Seed, Bernard [illegible], to Rolls-Royce plc. Compressor and air bleed system. 4,844,689, 7-4-89, Cl. 415-169.100.
- Seefeldt, David F.; Iacoponi, Michael J.; and Vail, David K., Jr., to Harris Corporation. Hierarchical variable die size gate array architecture. 4,864,381, 9-5-89, Cl. 357-45.000.
- Seefried, Karl-Heinz, to Heidelberger Druckmaschinen AG. Device for washing the outer surface of a blanket cylinder of an offset printing machine. 4,841,862, 6-27-89, Cl. 101-425.000.
- Seeger, Gunter: *See—*
  - Greten, Berndt; and Seeger, Gunter, 4,850,848, Cl. 425-371.000.
- Seeger, Helmut; Leichum, Axel; and Maher, Anthony, to Siemens Aktiengesellschaft. Telecommunication switching systems with a central switching and local sub-switching. 4,853,957, 8-1-89, Cl. 379-279.000.
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  - Dinkha, Brian I.; Jasa, Paul B.; Seegmiller, Brian; and Simmons, Alden C., 4,850,278, Cl. 102-501.000.
- Seehausen, Klaus: *See—*
  - Sansevero, Frank M.; Seehausen, Klaus; Rivera, James A.; Nguyen, Dat; and Borchers, Peter, 4,883,160, Cl. 198-328.000.
- Seekamp, Marc: *See—*
  - Peter, Siegfried; Seekamp, Marc; Beneke, Herbert; and Stadelhofer, Jurgen, 4,827,050, Cl. 568-761.000.
- Seel, Holger: *See—*
  - Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.
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- Seel, Matthias: *See—*
  - Reichle, Ernst-Michael; and Seel, Matthias, 4,871,515, Cl. 422-174.000.
- Seela, Frank, to Boehringer Mannheim GmbH. 7-deaza-2'-deoxyguanosine nucleotides. 4,804,748, 2-14-89, Cl. 536-28.000.
- Seeland, Donna L.: *See—*
  - Gombrich, Peter P.; and Seeland, Donna L., 4,818,850, Cl. 235-494.000.
- Seelbach, Walter C.: *See—*
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- Seele, Harold A. Work-holding implement and bench-mounted loading fixture therefor. 4,872,654, 10-10-89, Cl. 269-3.000.
- Seele, Harold A. Work-holding apparatus and method. 4,872,655, 10-10-89, Cl. 269-130.000.
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  - Hendriks, Johannes S.; Koeleman, Gerardus A. J.; and Seelen, Franciscus J. H., 4,830,353, Cl. 271-117.000.
- Seeley, Alan E.: *See—*
  - Trumbauer, David V.; and Seeley, Alan E., 4,844,141, Cl. 164-15.000.
- Seeley, Douglas A.: *See—*
  - Dhillon, Major S.; Hsieh, Shane; and Seeley, Douglas A., 4,873,174, Cl. 430-309.000.
- Seeley, Ronald D.: *See—*
  - Cochran, Gary L.; Seeley, Ronald D.; Shelton, Donald G.; and Stromberg, Gary D., 4,812,103, Cl. 414-723.000.
- Seelich, Thomas, to Immuno Aktiengesellschaft fur chemisch-medizinische Produkte. Method of inactivating reproductive filterable pathogens in fibrinogen and factor XIII compositions. 4,816,251, 3-28-89, Cl. 424-101.000.
- Seely, Michael J.: *See—*
  - Suresh, Dev D.; Seely, Michael J.; Brazdil, James F.; and Gramell Robert K., 4,855,275, Cl. 502-353.000.
- Seely, William B., Jr.; and Jackson, Charmaine C., to Frito-Lay, Inc. Crunchy fruit brittle product and process. 4,879,122, 11-7-89, Cl. 426-102.000.
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- Seeman, Bronislaw: *See—*
  - Havira, R. Mark; and Seeman, Bronislaw, 4,885,723, Cl. 367-35.000.
- Seeman, Steven R.: *See—*
  - Moeller, Gary D.; Seeman, Steven R.; and Schwarz, Theodore A. 4,863,114, Cl. 242-188.000.
- Seemann, Howard; and Gottschlich, Chad F., to Selas Corporation America. Low NOX burner. 4,874,310, 10-17-89, Cl. 431-8.000.
- Seemann, Ronald W.: *See—*
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- Seems, George E.: *See—*
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  - Heinzel, Regina; Appelhans, Heribert; Gassen, Hans G.; Machle Werner; and Seemuller, Ursula, 4,845,076, Cl. 514-12.000.
- Seen, Manfred; and Kretschmann, Heinz-Peter, to Siemens Aktiengesellschaft. Apparatus for through-connecting audio signa 4,845,756, 7-4-89, Cl. 381-77.000.
- Seener, G. Thomas; and Hoehne, Dennis L., to Sporlan Valve Company. Expansion and check valve combination. 4,852,364, 8-1-89, Cl. 62-225.000.
- Seeney, Philip: *See—*
  - Maile, Graham; and Seeney, Philip, 4,811,031, Cl. 343-840.000.
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- Seeq Technology, Inc.: *See—*
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  - Perlegos, Gust; and Wu, Tsung-Ching, 4,822,750, Cl. 437-052.0
  - Wong, Ting-Wah; and Cernea, Raul-Adrian, 4,888,73 C 365-218.000.
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- Seering, Christine L.; and Seering, Mona E. Prenatal cradle. 4,836,0 6-6-89, Cl. 450-155.000.
- Seering, Mona E.: *See—*
  - Seering, Christine L.; and Seering, Mona E., 4,836,024, C 450-155.000.
- Seeser, James W.: *See—*
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- Seet, Wilson. Headband for retention of glasses. 4,820,036, 4-11-89, C 351-156.000.
- Seethaler, Franz: *See—*
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- Seewer AG: *See—*
  - Morgenthaler, Eugen, 4,876,098, Cl. 426-231.000.
- Seffens, David E., to H. W. Culp Lumber Co. Infeed table for lum planer machine. 4,823,851, 4-25-89, Cl. 144-245.00R.
- Sefko, John: *See—*
  - Pavlik, Norman M.; and Sefko, John, 4,808,464, Cl. 428-216.0
- Sefton, Harry B., Jr., to Tecom Industries Incorporated. Polariza sensitive receiver for microwave signals. 4,831,384, 5-16-89, C 342-188.000.
- Sefton, Thomas: *See—*
  - Parsons, Alfred; and Sefton, Thomas, 4,807,780, Cl. 221-113.0
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- Segal, Alan J. Dental measuring apparatus. 4,840,564, 6-20-89, C 433-72.000.
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- Segal, Jerome; Corl, Paul D.; and Haase, Wayne C., to Cardiometrics, Inc. Device and method for measuring volumetric blood flow in a vessel. 4,869,263, 9-26-89, Cl. 128-692.000.
- Segal, Monica: *See—*
  - Peled, Emanuel; Gorenshtein, Aharon; and Segal, Monica, 4,844,996, Cl. 429-194.000.
- Segal, Moti: *See—*
  - Drori, Ze'Ev; and Segal, Moti, 4,845,464, Cl. 340-429.000.
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- Segal, William J., to Mr. Gasket Company. Packaging for hand-held product. 4,804,091, 2-14-89, Cl. 206-457.000.
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  - Pimpinella, Richard J.; and Segelken, John M., 4,826,272, Cl. 350-96.200.
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  - Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.
- Segor, Philip: *See—*
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- Segoshi, Toru, to Nissan Motor Co., Ltd. Headlamps. 4,868,726, 9-19-89, Cl. 362-308.000.
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  - Williams, John P.; Huang, Chin-Jung; and Shyu, Wen-Chyi, 4,838,052, Cl. 70-63.000.
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  - Sehgal, Lakshman R.; De Woskin, Richard E.; Moss, Gerald S.; Gould, Steven A.; Rosen, Arthur L.; and Sehgal, Hansa, 4,826,811, Cl. 514-6.000.
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  - Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
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  - Chawla, Manmohan S.; Collier, Nicholas; and Sehnert, Steven D., 4,862,804, Cl. 102-309.000.
- Sehorn, Bobby W., to Central Plastics Company. Anodeless riser assembly. 4,801,159, 1-31-89, Cl. 285-55.000.
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  Domian, Henry A.; LaCount, Dale F.; Miller, Alex S.; and Seibert, Kenneth D., 4,840,768, Cl. 420-582.000.

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  Ballschuh, Detlef; Seibt, Horst; Ohme, Roland; Rusche, Jochen; Gruendemann, Egon; and Krause, Elke, 4,877,885, Cl. 548-570.000.

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  Remington, John L.; and Seidel, Harry W., 4,811,999, Cl. 312-250.000.

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  Schieferstein, Ludwig; Hoeffkes, Horst; Seidel, Kurt; Giede, Karl; and Busch, Peter, 4,814,101, Cl. 252-174.230.

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  Strauss, Norbert, 4,846,503, Cl. 283-70.000.

Seidl, Vera A.: *See*—
  Ganguly, Ashit K.; Friary, Richard J.; Schwerdt, John H.; Sega, Marvin I.; Smith, Sidney R.; Seidl, Vera A.; and Syberts, mund J., 4,810,708, Cl. 514-278.000.

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Seidman, Gene P.: *See*—
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Seidman, Sheldon, to Automatic Findings, Inc. Method of making an earring clutch. 4,843,699, 7-4-89, Cl. 29-160.600.

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Seidy, Wassim, to Personal Products Company. Panty protector. 4,862,574, 9-5-89, Cl. 29-415.000.

Seifert, Glenn A.: *See*—
  Ratner, Harvey; Ratner, Ronald; Seifert, Glenn A.; Selwyn, Stephen; and Zaro, Marvin, 4,824,237, Cl. 351-203.000.

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  Baumgartner, Hans; Heikrodt, Klaus; and Seifert, Werner, 4,795,326, Cl. 418-152.000.

Seifert, Willis; and Loeffler, Michael, to Intel Corporation. Method and apparatus for removing reticle guides. 4,824,496, 4-25-89, Cl. 156-64.000.

Seiferth, Oscar E., to James River Corporation. Food receptacle for microwave cooking. 4,825,025, 4-25-89, Cl. 219-10.55E.

Seiferth, Oscar E.: *See*—
  Brown, Richard K.; and Seiferth, Oscar E., 4,886,950, Cl. 219-10.55E.

Seiffarth, Ernst-August: *See*—
  Halldorsson, Thorsteinn; Seiffarth, Ernst-August; and Manhart, Sigmund, 4,825,063, Cl. 250-203.00R.

Seiffarth, Werner: *See*—
  Hahn, Guenther; Krueger, Hans; Lamprecht, Herbert; and Seiffarth, Werner, 4,841,539, Cl. 372-63.000.

Seiffe, Michael: *See*—
  Kasan, Rodney; Yellin, Haim; and Seiffe, Michael, 4,883,805, Cl. 514-411.000.
  Kasan, Rodney; Seiffe, Michael; and Yellin, Haim, 4,889,724, Cl. 424-649.000.

Seiffge, Dirk: *See*—
  Westhmann, Klaus U.; and Seiffge, Dirk, 4,850,489, Cl. 206-530.000.
  Westhmann, Klaus U.; and Seiffge, Dirk, 4,880,791, Cl. 514-161.000.

Seiford, Donald S., Sr., to DS Industrial & Marine Co., Inc. Connector with a locking mechanism and connector box therefor. 4,815,887, 3-28-89, Cl. 403-321.000.

Seifried, Bruce. High speed voiceband data transmission and reception. 4,866,737, 9-12-89, Cl. 375-22.000.

Seigenji, Takashi: *See*—
  Azumai, Hideo; Fujii, Koichi; Seigenji, Takashi; and Yoshioka, Keiichi, 4,855,803, Cl. 357-45.000.

Seiger, Harvey N., to Gould Inc. Microporous elemental silver article and method. 4,851,310, 7-25-89, Cl. 429-219.000.

Seigh, Joseph W., II: *See*—
  Hennessy, James P.; Csisek, Damian L.; and Seigh, Joseph W., II, 4,809,168, Cl. 364-200.000.

Seigneur, Jean-Michel; and Menu, Jean-Pierre, to ETAT Francais. Graphic processor output dynamic range corrector system for analysis of brightness contrast. 4,855,650, 8-8-89, Cl. 315-383.000.

Seigneurin, Laurent: *See*—
  Jacques, Roland; Reppelin, Michel; and Seigneurin, Laurent, 4,822,903, Cl. 558-312.000.

Seiichi, Hoshino: *See*—
  Hidemitsu, Akabane; Seiichi, Hoshino; Yasuji, Tamura; and Toshimi, Isobe, 4,815,658, Cl. 237-2.00A.

Seiichi, Nakane; Sigeru, Nakamura; and Keniichi, Ikari, to Dakku Kabushiki-Kaisha. Apparatus for inspecting the operation of integrated circuit device. 4,816,751, 3-28-89, Cl. 324-73.0PC.

Seikagaku Kogyo Co., Ltd.: *See*—
  Sakurai, Katukiyo; Ueno, Yoshio; and Okuyama, Takashi, 4,863,907, Cl. 514-56.000.

Seike, Nobuki: *See*—
  Nakahashi, Sumio; Miyamae, Fumihiko; and Seike, Nobuki, 4,830,899, Cl. 428-137.000.

Seike, Shinji: *See*—
  Hiraoka, Tetsuo; Seike, Shinji; Hatamura, Kouichi; and Akizuki, Minoru, 4,803,961, Cl. 123-52.0MV.

Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, to NGK Insulators, Ltd. Lightning arrestor insulator. 4,796,149, 1-3-89, Cl. 361-117.000.

Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, to NGK Insulators, Ltd. Zinc oxide type lightning-conducting element. 4,835,508, 5-30-89, Cl. 338-21.000.

Seikenkai: *See*—
  Hata, Kosei, 4,879,238, Cl. 435-244.000.
  Hata, Kosei, 4,888,292, Cl. 435-244.000.

Seikenkai Foundational Juridical Person: *See*—
  Hata, Kosei; and Maruoka, Toshiyuki, 4,871,539, Cl. 424-93.000.

Seikensha Company Limited: *See*—
  Tsuchiya, Kanji; and Ono, Shizumi, 4,879,132, Cl. 426-634.000.

Seiki, Hiromichi; and Igarashi, Hideo, to Idemitsu Kosan Co., Ltd. Lubricating oil composition. 4,832,867, 5-23-89, Cl. 252-325.000.

Seiki, Nobuhiro: *See*—
  Koyama, Kazuhito; Sugita, Shigehisa; Sakaguchi, Seiichiro; Seiki, Nobuhiro; and Hanzawa, Asao, 4,861,348, Cl. 48-94.000.

Seiki Seiki Kabushiki Kaisha: *See*—
  Miki, Masaharu, 4,878,813, Cl. 417-2.000.

Seiki, Takatoshi: *See*—
  Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.

Seiko Electronic Components Ltd.: *See*—
  Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
  Miyazaki, Masashi, 4,885,873, Cl. 51-121.000.
  Ochiai, Osamu; and Tamura, Fujio, 4,851,792, Cl. 331-176.000.
  Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
  Tahara, Kensuke; and Sakamoto, Hideo, 4,804,597, Cl. 429-197.000.

Seiko Epson Corporation: *See*—
  Aoki, Kenji; Nagata, Mitsuo; Nakamura, Haruo; and Miura, Teiji, 4,810,062, Cl. 350-339.00F.
  Aoyama, Akira; Kogure, Shigeru; and Sugimoto, Mamoru, 4,801,499, Cl. 428-336.000.
  Asahina, Michio; and Goto, Makio, 4,826,781, Cl. 437-41.000.
  Fukushima, Hitoshi; Takei, Katsumori; Iwamoto, Kohei; and Nakamura, Hiroto, 4,884,081, Cl. 346-74.600.
  Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Mitsugi, Shoichi; and Miyazawa, Norimichi, 4,822,186, Cl. 400-120.000.
  Hayakawa, Motomu; and Yoshino, Masahito, 4,882,717, Cl. 368-64.000.
  Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Masaru; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.
  Inoue, Kazuaki, 4,860,246, Cl. 364-900.000.
  Iwano, Hideaki; and Tsunekawa, Yoshifumi, 4,856,013, Cl. 372-45.000.
  Iwashita, Yukihiro; and Mochizuki, Masashi, 4,859,037, Cl. 350-339.00F.
  Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junichi; Yajima, Akitaka; and Aruga, Fuji, 4,850,685, Cl. 350-397.000.
  Kano, Nobuhiko; Aoyama, Akira; and Kunida, Shinobu, 4,800,112, Cl. 428-163.000.
  Kato, Juri, 4,800,417, Cl. 357-59.000.
  Kawaguchi, Takashi, 4,817,063, Cl. 368-204.000.
  Kimura, Ippo; Okumura, Naoyuki; Aruga, Tomoe; and Arai, Yoshio, 4,882,644, Cl. 360-104.000.
  Kishida, Kozo; Shishiuchi, Hiromi; and Mimura, Takao, 4,867,587, Cl. 400-216.200.
  Kobayashi, Atsushi; Suzuki, Takashi; and Kosugi, Yasuhiko, 4,860,058, Cl. 355-27.000.
  Mitsuishi, Akio; Nakazawa, Yasuhiko; and Sato, Takumi, 4,881,832, Cl. 400-124.000.
  Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, 4,838,657, Cl. 350-336.000.
  Miura, Teiji; Okamura, Toshihide; Abe, Nobumasa; Yonekubo, Masatoshi; Yoshitaki, Hidetoshi; and Yamazaki, Hideo, 4,866,593, Cl. 346-107.00R.
  Miyazawa, Osamu; Ishikawa, Nobuo; Miyasaka, Mamoru; and Hirota, Kenichi, 4,864,442, Cl. 360-99.120.
  Miyazawa, Osamu, 4,885,730, Cl. 368-157.000.
  Moriya, Tatsuo, 4,876,677, Cl. 368-87.000.
  Morozumi, Shinji, 4,862,237, Cl. 357-30.000.
  Nakazawa, Takashi, 4,861,141, Cl. 350-336.000.
  Niki, Hiroshi, 4,868,599, Cl. 355-260.000.
  Nishizawa, Katsuhiko; and Takano, Yuji, 4,869,610, Cl. 400-322.000.
  Okonogi, Itaru; Shiohara, Yukihiko; Sakurai, Mitsuru; and Ota, Masahiro, 4,865,915, Cl. 428-336.000.
  Owatari, Akio, 4,849,773, Cl. 346-140.00R.
  Sakai, Kenji; and Sugawara, Kazuo, 4,815,007, Cl. 364-513.000.
  Sakamoto, Kenji; Ishikawa, Nobuo; and Hayakawa, Motomu, 4,873,677, Cl. 368-204.000.
  Sakamoto, Yumi, 4,879,699, Cl. 368-63.000.
  Shimokawato, Satoshi, 4,814,053, Cl. 204-192.150.
  Shiraishi, Yoshiaki; and Aoki, Kenji, 4,859,034, Cl. 350-331.00R.
  Sonehara, Tomio, 4,870,484, Cl. 358-59.000.
  Takeda, Hiroshi, 4,883,377, Cl. 400-121.000.
  Taniguchi, Makoto, 4,851,045, Cl. 106-31.000.

  - Toki, Motoyuki; Kanbe, Sadao; Miyashita, Satoru; and Takeuchi, Tetsuhiko, 4,801,318, Cl 65-18.100.
  - Wada, Hiroshi; Wada, Shinji; and Iijima, Chiyoaki, 4,844,569, Cl 350-347.00R.
  - Yamada, Noboru; Abe, Tomohiko; and Miyazawa, Osamu, 4,839,760, Cl 360-97.010.
  - Yamada, Shuhei, 4,883,609, Cl 252-299.610.
  - Yazaki, Minoru; Sato, Yuzuru; and Ito, Akihiko, 4,850,676, Cl 350-332.000.
- Seiko Epson Kabushiki Kaisha: *See—*
  - Maekawa, Nobuyoshi; Yokouchi, Hideya; Aruga, Tomoe; and Sugiyama, Tadashi, 4,825,314, Cl 360-99.080.
  - Shionozaki, Yoshio; Mukai, Hiroshi; Obikawa, Tsuyoshi; and Yamada, Shuhei, 4,879,060, Cl 252-299.610.
  - Ukai, Nobuyuki; and Shibata, Ryoji, 4,826,332, Cl 400-70.000.
- Seiko Instruments & Electronics Ltd.: *See—*
  - Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl 340-706.000.
  - Hattori, Yoshio, 4,816,894, Cl 357-51.000.
  - Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, 4,821,236, Cl 365-185.000.
  - Kawahara, Yukito; Mukainakano, Hiroshi; and Machida, Satoshi, 4,839,300, Cl 437-002.000.
  - Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shimada, Yoshio; and Watanabe, Shinya, 4,821,115, Cl 358-75.000.
  - Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl 350-247.000.
  - Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl 364-900.000.
  - Suzuki, Mitsuya, 4,828,370, Cl 350-339.00R.
  - Tsugita, Akira; Arai, Isamu; and Ataka, Tatsuaki, 4,865,994, Cl 436-57.000.
- Seiko Instruments, Inc.: *See—*
  - Aoki, Kenji; and Shimbo, Masafumi, 4,838,993, Cl 156-643.000.
  - Hanami, Takayoshi, 4,878,738, Cl 350-334.000.
  - Hattori, Osamu; Yasaka, Anton; Nakagawa, Yoshitomo; Sato, Mitsuyoshi; and Sasaki, Sumio, 4,851,097, Cl 204-192.330.
  - Hattori, Yoshio, 4,821,001, Cl 331-158.000.
  - Hirotomi, Jun, 4,873,477, Cl 318-603.000.
  - Kaito, Takashi; and Adachi, Tatsuya, 4,876,112, Cl 427-38.000.
  - Katsumi, Suzuki, 4,849,642, Cl 250-492.200.
  - Misono, Shigemi; Ueda, Makoto; Shikino, Kazuto; Toru, Tomoyuki; Ishiyama, Kenichi; and Aoyagi, Toshiharu, 4,796,036, Cl 346-108.000.
  - Misono, Shigemi; and Konno, Katsuhiro, 4,801,949, Cl 346-76.00L.
  - Morita, Hiroshi, 4,881,131, Cl 358-296.000.
  - Nakagawa, Yoshitomo; and Yamaoka, Takehiro, 4,874,460, Cl 156-626.000.
  - Nakagawa, Yoshitomo; Kaito, Takashi; Houjyo, Hisao; and Yamamoto, Masahiro, 4,874,632, Cl 427-41.000.
  - Namiki, Masayuki; Gouda, Masanori; and Kamiya, Masaaki, 4,875,011, Cl 324-251.000.
  - Namisato, Touru, 4,839,874, Cl 368-76.000.
  - Nishizawa, Junichi; and Aoki, Kenji, 4,834,831, Cl 156-611.000.
  - Ohta, Masahiko, 4,885,616, Cl 357-23.700.
  - Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl 250-306.000.
  - Sakojiri, Hiromichi; and Takahashi, Hiroshi, 4,816,367, Cl 430-138.000.
  - Sakuhara, Toshihiko; Sakai, Fumiki; and Uchiyama, Tetsuo, 4,837,435, Cl 250-306.000.
  - Sato, Hirochika; Nakayama, Haruo; Uchiyama, Takeshi; Hagami, Yoshihisa; and Sato, Yoshiro, 4,825,113, Cl 370-2.000.
  - Shimbo, Masafumi, 4,845,046, Cl 437-41.000.
  - Suzuki, Mitsuya, 4,871,234, Cl 350-333.000.
  - Suzuki, Teruo; Kishi, Matsuo; Muraishi, Katsuyoshi; Ogawa, Kenichi; and Takashio, Hiroshi, 4,863,805, Cl 428-558.000.
  - Takahashi, Kaoru, 4,810,864, Cl 235-487.000.
  - Toyama, Motoo, 4,842,372, Cl 350-334.000.
  - Wakabayashi, Shuichi; Kawamoto, Tetsumi; Yamada, Toshiyuki; and Murayama, Yuko, 4,809,343, Cl 382-27.000.
  - Yagi, Shigeki, 4,847,760, Cl 364-400.000.
  - Yamamoto, Hiroyoshi; Takesue, Toshiharu; and Kawawada, Naoki, 4,884,859, Cl 350-96.150.
  - Yamasaki, Masaharu, 4,821,248, Cl 368-21.000.
  - Yokote, Takasuke; and Kamimura, Nobuo, 4,823,562, Cl 63-5.100.
- Seiko Kagaku Kogyo Co., Ltd.: *See—*
  - Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl 106-287.240.
  - Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl 162-158.000.
  - Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl 252-312.000.
- Seiko Seiki Kabushiki Kaisha: *See—*
  - Hanami, Osamu; Nomura, Shinichi; and Kogure, Toshiharu, 4,868,805, Cl 369-53.000.
  - Kihara, Hiroyuki; and Ogawa, Isaoi, 4,845,895, Cl 51-33.00W.
  - Kobayashi, Takeshi; and Asai, Junichi, 4,824,330, Cl 417-295.000.
  - Kobayashi, Takeshi; and Asai, Junichi, 4,881,878, Cl 417-295.000.
  - Kobayashi, Takeshi; and Asai, Junichi, 4,887,943, Cl 417-295.000.
  - Miki, Masaharu, 4,826,393, Cl 415-72.000.
  - Mizuno, Takeshi; and Higuchi, Toshiro, 4,839,550, Cl 310-90.500.
  - Nagata, Tetsuya; and Ohmori, Hideki, 4,858,391, Cl 51-165.930.
  - Sugita, Terumitsu; and Urushibara, Koji, 4,867,658, Cl 418-76.000.
- Seikoh Giken Co., Ltd.: *See—*
  - Takahashi, Mitsuo, 4,831,784, Cl 51-131.100.
- Seikosha Co., Ltd.: *See—*
  - Aoki, Hiroshi, 4,866,564, Cl 361-203.000.
  - Aoki, Hiroshi, 4,868,709, Cl 361-203.000.
  - Fujita, Masanori, 4,834,510, Cl 350-350.00S.
  - Hayakawa, Tsuyoshi; Yamauchi, Satoru; Watanabe, Isao; and Kondo, Isao, 4,796,239, Cl 368-88.000.
  - Hayashi, Mikio; and Otsuka, Fumio, 4,887,921, Cl 400-196.100.
  - Ige, Yuji, 4,801,875, Cl 324-158.00R.
  - Ikuma, Susumu; and Tanaka, Nobuhiro, 4,821,249, Cl 368-88.000.
  - Ishida, Hiroaki; and Shinozaki, Nobuo, 4,868,596, Cl 354-439.000.
  - Ishida, Hiroaki; Shinozaki, Nobuo; and Nakazawa, Michitaka, 4,876,563, Cl 354-234.100.
  - Kaneko, Kouichi; and Matsuzaki, Tsutomu, 4,829,495, Cl 368-134.000.
  - Kitaoka, Seiya; and Hanya, Masao, 4,799,204, Cl 368-263.000.
  - Kobayashi, Shogo; Tsumuraya, Kenichi; and Horie, Kazuhi 4,815,876, Cl 400-603.100.
  - Konno, Tetsuro; Kanai, Yutaka; and Fujita, Tetsuya, 4,797,695, Cl 346-160.000.
  - Nakagawa, Tadashi; Nemoto, Ichiro; Aosaki, Ko; and Misawa, Atsushi, 4,814,807, Cl 354-246.000.
  - Nakagawa, Tadashi; Shinozaki, Nobuo; Tagami, Shigeru; and Seki, Youichi, 4,864,347, Cl 354-439.000.
  - Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otsu, Takahito, 4,797,699, Cl 354-246.000.
  - Nemoto, Ichiro; Aosaki, Ko; Misawa, Atsushi; and Otsu, Takahito, 4,819,017, Cl 354-288.000.
  - Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl 354-400.000.
  - Sato, Hiroyuki; and Tajima, Akio, 4,859,101, Cl 400-719.000.
  - Sato, Hiroyuki, 4,875,789, Cl 400-196.100.
  - Seki, Youichi; Yamazaki, Hiroshi; Sato, Hiroyuki; and Tanaka, Michio, 4,831,406, Cl 354-484.000.
  - Shimizu, Toshio; and Hirose, Kouji, 4,887,886, Cl 350-166.00.
  - Shinozaki, Nobuo; Tagami, Shigeru; Tanaka, Masaki; and Nou, Katsuhito, 4,864,346, Cl 354-439.000.
  - Sugino, Kouichi, 4,856,924, Cl 400-283.000.
  - Tajima, Akio; and Tada, Satoshi, 4,807,792, Cl 226-74.000.
  - Tanaka, Kazuyuki, 4,843,408, Cl 346-76.0PH.
  - Tanaka, Nobuhiro; and Matsuda, Takumi, 4,821,257, Cl 368-255.000.
  - Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,796,978, Cl 350-337.000.
  - Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,861,142, Cl 350-345.000.
  - Toyama, Akira, 4,864,305, Cl 341-144.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,801,892, Cl 330-288.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,804,927, Cl 330-288.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Mito, Kazuhisa, 4,825,104, Cl 307-355.000.
  - Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,859,966, Cl 330-288.000.
- Seikou, Kiyokazu: *See—*
  - Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nakamura, Yoji; and Seikou, Kiyokazu, 4,802,405, Cl 98-2.060.
- Seikow Chemical Engineering & Machinery, Ltd.: *See—*
  - Kotera, Masayuki, 4,812,108, Cl 417-368.000.
  - Kotera, Masayuki, 4,837,472, Cl 310-156.000.
  - Kotera, Masayuki, 4,850,818, Cl 417-366.000.
- Seiler, Claus-Dietrich: *See—*
  - Rauleder, Hartwig; Seiler, Claus-Dietrich; and Vahlensieck, Hans-Joachim, 4,876,337, Cl 556-415.000.
- Seiler, Erhard: *See—*
  - Hisgen, Bernd; Koch, Hans-Jakob; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,801,676, Cl 528-170.000.
  - Koch, Hans-Jakob; Hisgen, Bernd; Portugall, Michael; Seiler, Erhard; and Blinne, Gerd, 4,861,858, Cl 528-193.000.
  - Lausberg, Dietrich; Blinne, Gerd; Ittemann, Peter; Heinz, Gerhard; Seiler, Erhard; and Knoll, Manfred, 4,798,855, Cl 523-435.000.
  - Lausberg, Dietrich; Seiler, Erhard; and Braun, Hans-Gerd, 4,879,324, Cl 523-400.000.
  - Muehlbach, Klaus; Portugall, Michael; Ruppmich, Karl; Seiler, Erhard; and Brandt, Hermann, 4,868,235, Cl 524-252.000.
  - Portugall, Michael; Sterzel, Hans-Josef; Blinne, Gerd; Vodingen, Heinz-Dieter; Seiler, Erhard; Schmidt, Hans-Friedrich; and Von Tomkewitsch, Sybille, 4,802,061, Cl 361-400.000.
  - Taubitz, Christof; Gausepohl, Hermann; Seiler, Erhard; and Schlemmer, Lothar, 4,797,453, Cl 525-397.000.
  - Wassmuth, Georg; Ruppmich, Karl; Seiler, Erhard; Gausepohl, Hermann; and Benker, Klaus, 4,880,875, Cl 525-67.000.
- Seiler, Herbert, to Ciba-Geigy Corporation. Fibre-reactive fluorotriazine containing dyestuffs. 4,808,706, 2-28-89, Cl 534-638.000.
- Seiler, Herbert; and Hegar, Gert, to Ciba-Geigy Corporation. Fibre-reactive fluoro-triazine containing dyestuff. 4,866,162, 9-12-89, Cl 534-632.000.
- Seiler, Herbert: *See—*
  - Bonometti, Emil; and Seiler, Herbert, 4,843,148, Cl 534-598.000.
  - Dietz, Rolf; and Seiler, Herbert, 4,845,203, Cl 534-637.000.
  - Scheibli, Peter; Seitz, Karl; Seiler, Herbert; and Tzikas, Athanassios, 4,801,694, Cl 534-637.000.
- Seiler, Werner: *See—*
  - Manser, Josef; Seiler, Werner; and Egger, Friedrich, 4,830,866, Cl 426-451.000.
- Seilhan, Denton S., to Brantner & Associates, Inc. Underwater electrical connector with keyed insert sleeve. 4,801,277, 1-31-89, Cl 439-680.000.
- Seim, William J.: *See—*
  - Rebers, Kenneth D.; and Seim, William J., 4,822,954, Cl 174-93.000.
  - Rebers, Kenneth D.; Seim, William J.; and Krenz, Dean C., 4,857,672, Cl 174-93.000.
  - Rutenbeck, Mark M.; Rebers, Kenneth D.; and Seim, William J., 4,810,329, Cl 174-41.000.
- Seima Italiana SpA: *See—*
  - Hasuike, Makio, 4,819,798, Cl 206-309.000.
  - Hasuike, Makio, 4,856,855, Cl 312-111.000.
- Seiners, Paul A., to General Electric Company. Method of forming compacts with integral consolidation containers. 4,805,833, 2-21-89, Cl 228-190.000.
- Seimitsu, Hoden: *See—*
  - Inoue, Satoru; and Futamura, Shoji, 4,875,264, Cl 29-163.600.
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  - Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, 4,805,880, Cl 266-87.000.
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  - Yuasa, Masami; Abe, Kazumi; Shibamoto, Masaji; and Yakabe, Masahiro, 4,812,208, Cl 162-343.000.
- Seismograph Service Corporation: *See—*
  - Dowe, William D., 4,815,557, Cl 181-106.000.
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  - Auger, David; and Breugelmans, Jacobus, 4,885,727, Cl 367-146.000.
- Seita, Toru: *See—*
  - Tsutsumi, Yoshitaka; Seita, Toru; Shuyama, Hideo; Matsumura, Kousaburou; and Nakazawa, Kyoko, 4,822,721, Cl 430-325.000.
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  - Funaki, Kiyoshi; Mochizuki, Kenichi; Ikeda, Jiro; Murao, Masatsugu; Murao, Mitsuaki; Murao, Yoshinori; and Murao, Kazuhiko, 4,867,528, Cl 350-96.230.
- Seitel, Norbert J.: *See—*
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- Seiter, Wolfgang; and Koch, Otto. Process for preparing a phosphate-reduced granular detergent. 4,849,125, 7-18-89, Cl 252-109.000.
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  - Kato, Kunioki; Kawamura, Masao; Goda, Hiroshi; Sawada, Kiyoshi; and Hamatani, Kazuhiro, 4,853,158, Cl 562-46.000.
  - Nakagawa, Koichi; and Imura, Kazunori, 4,807,615, Cl 128-203.120.
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  - Okano, Tatsuro; and Hasegawa, Akira, 4,865,852, Cl 427-195.000.
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  - Nakagawa, Katsumi; Komatsu, Toshiyuki; Seitoh, Shinichi; and Hatanaka, Katsunori, 4,827,345, Cl 358-213.270.
- Seitz Corporation: *See—*
  - Milano, Arthur J. J., 4,811,730, Cl 128-203.110.
- Seitz, David A.: *See—*
  - Ghodsizadeh, Yousef; and Seitz, David A., 4,830,645, Cl 62-541.000.
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- Seitz, Edwin, to Hohe KG. Exterior mirror for a vehicle. 4,884,776, 12-5-89, Cl 248-481.000.
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  - Polzer, Herwig W.; and Seitz, Edwin, 4,856,886, Cl 350-635.000.
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  - Born, Gerhard; Elsner, Paul; and Scherer, Heinz-Jurgen, 4,802,571, Cl 198-627.000.
  - Born, Gerhard; and Munch, Karl, 4,844,234, Cl 198-458.000.
  - Gotz, Rainer; Pfeiffer, Gerhard; Knodel, Paul; Scheid, Willi; and Clusserath, Ludwig, 4,827,988, Cl 141-167.000.
  - Kaiser, Klaus, 4,889,642, Cl 210-771.000.
  - Sprenger, Helmut, 4,870,806, Cl 53-485.000.
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  - Bredemann, Michael V.; and Seitz, Forest S., 4,879,521, Cl 330-258.000.
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- Seitz, H. Michael, Jr. Disposable needle guide and examination sheath for transvaginal ultrasound procedures. 4,877,033, 10-31-89, Cl 128-660.050.
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  - Scheibli, Peter; Seitz, Karl; Seiler, Herbert; and Tzikas, Athanassios, 4,801,694, Cl 534-637.000.
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  - Mielke, Siegfried; and Seitz, Norman, 4,831,918, Cl 92-222.000.
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- Seitz, Peter. Device for measuring the areal distribution of compressive forces. 4,862,743, 9-5-89, Cl 73-172.000.
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  - Brandenberg, Urs; and Seitz, Thomas, 4,810,989, Cl 336-84.00M.
  - Joder, Andreas; Haider, Mathis; and Seitz, Thomas, 4,864,223, Cl 324-117.00H.
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  - Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, 4,862,847, Cl. 123-187.50R
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  - Nagasaka, Kohji; Kobayashi, Takeshi; and Sejimo, Yoshimi, 4,796,583, Cl. 123-378.000
- Sejvar, James: *See*—
  - Bauer, Frank L.; Mavretish, Robert S.; Shogan, Regis P.; and Sejvar, James, 4,876,593, Cl. 358-100.000
  - Fero, Arnold H.; Anderson, Stanwood L., Jr.; and Sejvar, James, 4,844,858, Cl. 376-254.000
- Sekercioglu, Ibrahim: *See*—
  - Melling, Peter J.; Mutsuddy, Beebhas C.; and Sekercioglu, Ibrahim, 4,806,330, Cl. 423-412.000
- Seki, Atsushi: *See*—
  - Maruyama, Masao; Seki, Atsushi; and Minato, Yoshihiro, 4,868,065, Cl. 428-547.000
- Seki, Fumio, to Yoshida Kogyo K. K. Fastener conveying apparatus for fastener assembling machine. 4,840,301, 6-20-89, Cl. 227-139.000
- Seki, Gen; and Hayashi, Seiichi, to Hitachi, Ltd. Apparatus for positioning magnetic head. 4,819,108, 4-4-89, Cl. 360-104.000
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  - Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713, Cl. 357-70.000
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  - Okabe, Kazuya; Kasama, Yasuhiko; Seki, Hitoshi; and Iwasaki, Chisato, 4,839,510, Cl. 250-211.00J
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  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000
  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000
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- Seki, Kimiaki: *See*—
  - Iwaki, Yoshiyuki; Matsumoto, Akio; and Seki, Kimiaki, 4,824,336, Cl. 417-415.000
- Seki, Kiwao: *See*—
  - Nogami, Taro; Nishiterumizu, Tsuyoshi; and Seki, Kiwao, 4,810,168, Cl. 417-2.000
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  - Nishiyama, Sinichi; Abe, Hajime; [illegible], Kuniaki; and Hagiwara, Noboru, 4,838,063, Cl. 72-47.000
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  - Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Hongachi, Shojiro, 4,853,429, Cl. 524-29.000
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  - Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,811,043, Cl. 354-412.000
  - Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,855,778, Cl. 354-412.000
- Seki, Seizo: *See*—
  - Kishi, Masahichi; Seki, Seizo; and Kanmuri, Noboru, 4,799,257, Cl. 380-9.000
- Seki, Shigemi: *See*—
  - Itoyama, Kuniyoshi; Horita, Norihiro; Seki, Shigemi; and Minam[illegible], Satoyuki, 4,798,875, Cl. 525-444.000
- Seki, Shingo, to Nippon Sheet Glass Co., Ltd. System for stretching and severing strip-like resin sheet. 4,882,006, 11-21-89, Cl. 156-504.000
- Seki, Shinji; and Matsubara, [illegible]nsuke, to Fanuc Ltd. Negative feedback control system. 4,864,[illegible], 9-5-89, Cl. 318-611.000
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- Seki, Shuuichi: *See*—
  - Horiguchi, Hyosei; Tezuka, Akira; and Seki, Shuuichi, 4,852,6[illegible], Cl. 165-42.000
- Seki, Shuzo: *See*—
  - Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; [illegible], Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; [illegible], Kenji; Aihara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000
- Seki, Susumu: *See*—
  - Watanabe, Ichiro; Ogawa, Yasuo; and Seki, Susumu, 4,851,342, Cl. 435-129.000
- Seki, Takahiro, to Nippon Seiko Kabushiki Kaisha. Miniature linear guide apparatus. 4,799,806, 1-24-89, Cl. 384-45.000
- Seki, Takahito: *See*—
  - Kanota, Keiji; and Seki, Takahito, 4,885,646, Cl. 360-46.000
- Seki, Teruo: *See*—
  - Aoyama, Keizo; Yamauchi, Takahiko; and Seki, Teruo, 4,809,6[illegible], Cl. 357-41.000
- Seki, Tomoaki: *See*—
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  - Yoshida, Nobuyuki; Imai, Akio; and Seki, Tomoaki, 4,845,173, Cl. 525-272.000
- Seki, Toshimi: *See*—
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- Seki, Toshio: *See*—
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- Seki, Yasukazu: *See*—
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- Seki, Yasunari: *See*—
  - Asakura, Masahiko; Seki, Yasunari; Shiina, Takanori; and Maru[illegible], Minoru, 4,804,454, Cl. 204-406.000
  - Asakura, Masahiko; Kawanabe, Tomohiko; Muroya, Maru[illegible]; Kubota, Shin'ichi; Kimura, Katsuhiko; Seki, Yasunari; and Matsuura, Kouji, 4,818,362, Cl. 204-406.000
  - Kawanabe, Tomohiko; Asakura, Masahiko; Kimura, Katsuhiko; Seki, Yasunari; Matsuura, Kouji; and Hasebe, Hiroshi, 4,868,7[illegible], Cl. 364-442.000
- Seki, Yoji: *See*—
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- Seki, Yoshiatsu: *See*—
  - Kimura, Takeo; Seki, Yoshiatsu; Ohkoda, Mitsuru; and Ho[illegible], Makoto, 4,851,098, Cl. 204-198.000
- Seki, Yoshinobu: *See*—
  - Kirihara, Tomoo; Nakagawa, Ippei; Seki, Yoshinobu; and Ho[illegible], Yutaka, 4,857,155, Cl. 204-61.000
- Seki, Youichi; Yamazaki, Hiroshi; Saito, Hiroyuki; and Tomita, Michio, to Seikosha Co., Ltd. Power circuit for camera. 4,831,4[illegible], 5-16-89, Cl. 354-484.000
- Seki, Youichi: *See*—
  - Nakagawa, Tadashi; Shinozaki, Nobuo; Tagami, Shigeru; and Seki, Youichi, 4,864,347, Cl. 354-439.000
  - Ogawara, [illegible]; [illegible], Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl. 354-400.000
- Seki, Yuji: *See*—
  - Saito, Yasuo; Shimizu, Koichi; and Seki, Yuji, 4,8[illegible], Cl. 73-313.000

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- Seki, Yukuharu: *See*—
  - Hirakawa, Tadashi; Seki, Yukuharu; and Oku, Yukio, 4,846,778, Cl. 493-354.000
- Sekida, Minoru: *See*—
  - Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, 4,839,687, Cl. 354-416.000
  - Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,857,953, Cl. 354-475.000
  - Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, 4,860,046, Cl. 354-475.000
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- Sekido, Akihito: *See*—
  - Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,248, Cl. 364-513.000
- Sekido, Satoshi; Takeda, Takeshi; and Tsuchiya, Sohji, to Matsushita Electric Industrial Co., Ltd. Air/fuel ratio sensor. 4,832,818, 5-23-89, Cl. 204-412.000
- Sekido, Satoshi: *See*—
  - Takeda, Takeshi; Tsuchiya, Sohji; Watanabe, Yoshio; and Sekido, Satoshi, 4,887,186, Cl. 361-321.000
- Sekido, Shinji: *See*—
  - Izumi, Fumiaki; and Sekido, Shinji, 4,833,947, Cl. 74-877.000
- Sekido, Shintaro: *See*—
  - Yoshimatsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000
- Sekido, Toshihide: *See*—
  - Sano, Takao; Sekido, Toshihide; and Ogasawara, Masafumi, 4,844,315, Cl. 226-97.000
- Sekigami, Kunio; Nagae, Kouji; and Sasaki, Yoji, to Sanyo Electric Co., Ltd. Air-conditioning apparatus. 4,878,357, 11-7-89, Cl. 62-160.000
- Sekigawa, Fujio: *See*—
  - Kokubo, Hiroyasu; Chiba, Tohru; and Sekigawa, Fujio, 4,837,033, Cl. 424-494.000
- Sekigawa, Tatsuaki: *See*—
  - Satoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440
- Sekigawa, Tetsuo: *See*—
  - Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, 4,836,917, Cl. 210-104.000
- Sekiguchi, Akira, to Diesel Kiki Co., Ltd. Method and apparatus for detecting trouble in pulse generators. 4,825,691, 5-2-89, Cl. 73-118.100
- Sekiguchi, Kazuhiko, to Zebra Co., Ltd. Card type writing instrument. 4,815,880, 3-28-89, Cl. 401-6.000
- Sekiguchi, Kazuya: *See*—
  - Suganawa, Ko; Sekiguchi, Kazuya; Tuji, Kiyoaki; and Ono, Akinobu, 4,861,559, Cl. 422-110.000
- Sekiguchi, Kiyonori: *See*—
  - Igashira, Toshihiko; Sakakibara, Yasuyuki; Abe, Seiko; Sekiguchi, Kiyonori; Izawa, Akihiro; and Kawai, Hisasi, 4,887,569, Cl. 123-300.000
- Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueda, Kenji, to Kabushiki Kaisha Toshiba, and Kawasaki Steel Corporation. Method of controlling elimination of roll eccentricity in rolling mill and device for carrying out the method. 4,850,211, 7-25-89, Cl. 72-8.000
- Sekiguchi, Kyoji, to Canon Kabushiki Kaisha. Ophthalmic measuring apparatus. 4,878,750, 11-7-89, Cl. 351-212.000
- Sekiguchi, Masao: *See*—
  - Sakon, Ichiro; Sekiguchi, Masao; and Kanayama, Atsushi, 4,879,087, Cl. 252-609.000
- Sekiguchi, Satoru: *See*—
  - Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Einaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040
  - Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Einaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040
- Sekiguchi, Seizo: *See*—
  - Kasai, Tomoaki; and Sekiguchi, Seizo, 4,873,847, Cl. 68-178.07L
- Sekiguchi, Shizuo: *See*—
  - Kitano, Kyozo; and Sekiguchi, Shizuo, 4,816,188, Cl. 260-400.000
- Sekiguchi, Sumeo, to NEC Corporation. Polynomial vector arithmetic operation control system. 4,831,572, 5-16-89, Cl. 364-715.010
- Sekiguchi, Tadaaki: *See*—
  - Okutomi, Tsutomu; Chiba, Seishi; Okawa, Mikio; Sekiguchi, Tadaaki; Endo, Hiroshi; and Yamashita, Tsutomu, 4,830,821, Cl. 419-25.000
- Sekiguchi, Tadao; Sawa, Utaji; and Wada, Kazunori, to Sumitomo Chemical Company, Ltd. Electrochemical method for determining end point of organic or inorganic reactions. 4,869,787, 9-26-89, Cl. [illegible]
- Sekiguchi, Tadashi, to Kabushiki Kaisha Toshiba. Endoscopic system for producing fluorescent and visible images. 4,821,117, 4-11-89, Cl. 358-98.000
- Sekiguchi, Takeshi: *See*—
  - Fukami, Kiyoshi; Sekiguchi, Takeshi; and Ohshima, Shigeru, 4,857,997, Cl. 358-55.000
  - Nishiguchi, Masanori; Sekiguchi, Takeshi; and Fujihira, Mitsuaki, 4,844,325, Cl. 228-180.200
  - Ohshima, Shigeru; and Sekiguchi, Takeshi, 4,812,911, Cl. 358-225.000
- Sekiguchi, Takuji: *See*—
  - Kitamoto, Tatsuji; Yokoyama, Katsuya; and Sekiguchi, Takuji, 4,875,610, Cl. 226-10.000
- Sekiguchi, Tatsuo: *See*—
  - Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000
- Sekiguchi, Tetsuo: *See*—
  - Tomori, Yasumasa; and Sekiguchi, Tetsuo, 4,822,153, Cl. 350-429.000
- Sekiguchi, Tomoyoshi: *See*—
  - Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, 4,838,563, Cl. 280-840.000
  - Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000
- Sekiguchi, Tomozo; and Noguchi, Kazuya, to Pentel Kabushiki Kaisha. Fluid discharging device. 4,795,063, 1-3-89, Cl. 222-105.000
- Sekiguchi, Tomozo; and Noguchi, Kazuma, to Pentel Kabushiki Kaisha. Fluid discharge device. 4,844,299, 7-4-89, Cl. 222-94.000
- Sekiguchi, Tomozo: *See*—
  - Kurokawa, Takumi; Nagaki, Takeshi; and Sekiguchi, Tomozo, 4,867,593, Cl. 401-186.000
- Sekiguchi, Yoshinobu: *See*—
  - Miyazawa, Seiichi; Hara, Toshitami; Nojiri, Hidetoshi; Sekiguchi, Yoshinobu; Hasegawa, Mitsutoshi; and Ikeda, Sotomitsu, 4,799,229, Cl. 372-50.000
  - Miyazawa, Seiichi; Nojiri, Hidetoshi; Hara, Toshitami; Shimizu, Akira; Sekiguchi, Yoshinobu; and Hakamada, Isao, 4,829,534, Cl. 372-46.000
  - Shimizu, Akira; Hara, Toshitami; Nojiri, Hidetoshi; Hakamada, Isao; Miyazawa, Seiichi; and Sekiguchi, Yoshinobu, 4,796,067, Cl. 357-4.000
- Sekihara, Kensuke: *See*—
  - Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, 4,797,616, Cl. 324-309.000
- Sekii, Shigekazu: *See*—
  - Tanabe, Susumu; Sekii, Shigekazu; Tsuchida, Kouji; and Ishizu, Yoshio, 4,841,981, Cl. 128-692.000
- Sekikawa, Ayako: *See*—
  - Joukou, Isao; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,880,774, Cl. 512-2.000
  - Toda, Fumio; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,818,771, Cl. 514-616.000
- Sekikawa, Keiji, to Kayaba Industry Co., Ltd. Fluid control valve. 4,830,050, 5-16-89, Cl. 137-599.200
- Sekikawa, Keiji: *See*—
  - Koiwai, Hideshi; and Sekikawa, Keiji, 4,858,651, Cl. 137-869.000
  - Takahashi, Yoneaki; and Sekikawa, Keiji, 4,836,245, Cl. 137-599.000
- Sekimoto, Isao; Mihara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, to Mazda Motor Corporation. Working apparatus for use in an assembling/processing line. 4,805,299, 2-21-89, Cl. 29-796.000
- Sekimoto, Kunio; and Matsui, Masahiko, to Matsushita Electric Industrial Co., Ltd. Magnetic recording and reproducing system using preceding and lagging groups of rotary heads to permit coincident timing for reproduced video and audio signals. 4,811,121, 3-7-89, Cl. 360-19.100
- Sekimoto, Kunio: *See*—
  - Morimoto, Takeshi; and Sekimoto, Kunio, 4,809,084, Cl. 358-324.000
- Sekimoto, Masami: *See*—
  - Kondo, Takahisa; and Sekimoto, Masami, 4,834,820, Cl. 156-73.300
- Sekimoto, Nobuya: *See*—
  - Sato, Tadashi; Ohno, Yasunori; Kurosawa, Tomoe; Sekimoto, Nobuya; Hakamata, Yoshimi; Kurosawa, Yukio; and Hirasawa, Kunio, 4,847,476, Cl. 250-427.000
- Sekimoto, Satoshi: *See*—
  - Narusé, Osamu; Kakeno, Sadao; Ishikawa, Chuji; Sekimoto, Satoshi; and Horike, Masanori, 4,847,631, Cl. 346-75.000
- Sekimura, Nobuyuki: *See*—
  - Takao, Hideaki; Motoi, Taiko; Sekimura, Nobuyuki; Kamio, Masaru; and Murata, Tatsuo, 4,802,743, Cl. 350-339.00F
  - Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, 4,818,075, Cl. 350-339.00F
- Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa, Kazuo; and Hideshima, Masayuki, to Tokyo Kogaku Kikai Kabushiki Kaisha. Laser beam scanning type eye fundus camera. 4,854,691, 8-8-89, Cl. 351-221.000
- Sekine, Akihiro: *See*—
  - Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwabe, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000

- Sekine, Atushi, to Nikon Corporation. Re-imaging optical system. 4,867,549, 9-19-89, Cl. 350-572.000.
- Sekine Corporation: *See—*
  - Canada, Larry J., 4,875,792, Cl. 401-283.000.
- Sekine, Eiichi: *See—*
  - Aikawa, Toyoshi; and Sekine, Eiichi, 4,878,743, Cl. 350-357.000.
- Sekine, Ichiro: *See—*
  - Yoshida, Takeshi; Takizawa, Yoshio; and Sekine, Ichiro, 4,861,550, Cl. 420-460.000.
- Sekine, Katsuyuki: *See—*
  - Kamei, Takeo; and Sekine, Katsuyuki, 4,854,891, Cl. 439-462.000.
- Sekine, Kazumi, to Canon Kabushiki Kaisha. Electronic instrument. 4,810,860, 3-7-89, Cl. 235-145.00R.
- Sekine, Keiji: *See—*
  - Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
  - Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.
- Sekine, Kiyoshi, and Ohtani, Akio, to Kowa Company, Ltd. Image recording apparatus for heat generation type. 4,806,950, 2-21-89, Cl. 346-76.0PH.
- Sekine, Kiyoshi: *See—*
  - Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Naoshi; and Sekine, Kiyoshi, 4,848,678, Cl. 241-65.000.
- Sekine, Makoto; Okano, Haruo; Arikado, Tsunetoshi; and Horiike, Yasuhiro, to Kabushiki Kaisha Toshiba. Dry etching apparatus. 4,838,978, 6-13-89, Cl. 156-345.000.
- Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, to Kabushiki Kaisha Toshiba. Phototreating method and apparatus therefor. 4,844,774, 7-4-89, Cl. 156-643.000.
- Sekine, Makoto: *See—*
  - Arikado, Tsunetoshi; Sekine, Makoto; Okano, Haruo; and Horiike, Yasuhiro, 4,878,995, Cl. 156-643.000.
- Sekine, Masaoki: *See—*
  - Tanaka, Kimio; and Sekine, Masaoki, 4,802,049, Cl. 360-133.000.
- Sekine, Mikiya: *See—*
  - Morishita, Sadao; Matsushita, Toshihiko; and Sekine, Mikiya, 4,837,199, Cl. 503-227.000.
- Sekine, Noboru; Aoki, Takashi; and Terayama, Satoshi, to Honda Giken Kogyo Kabushiki Kaisha. Clutch control method for fluid torque converter of vehicular transmission. 4,872,540, 10-10-89, Cl. 192-0.076.
- Sekine, Susumu; Mizukami, Tamio; Sato, Moriyuki; Itoh, Seiga; and Saito, Akiko, to Kyowa Hakko Kogyo Co., Ltd. Fish growth hormone polypeptide. 4,849,359, 7-18-89, Cl. 435-252.330.
- Sekine, Susumu: *See—*
  - Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.
- Sekine, Takashi, to Fuji Photo Film Co., Ltd. Reflection-type overhead projector. 4,824,239, 4-25-89, Cl. 353-66.000.
- Sekine, Takeshi: *See—*
  - Arita, Masanobu; Arai, Kiyoshi; Komoto, Nobuo; Hirose, Setsuko; and Sekine, Takeshi, 4,822,822, Cl. 514-655.000.
- Sekine, Tatsuo: *See—*
  - Mitanihara, Makoto; and Sekine, Tatsuo, 4,836,873, Cl. 156-157.000.
- Sekine, Tetsuo: *See—*
  - Tanaka, Masataka; Ohno, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, 4,846,799, Cl. 604-158.000.
- Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, to Fujirebio Kabushiki Kaisha. Alkylamide derivatives with H_2-receptor antagonistic and cytoprotective action. 4,837,316, 6-6-89, Cl. 546-214.000.
- Sekine, Yoshihito: *See—*
  - Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, 4,887,577, Cl. 123-494.000.
- Sekine, Yoshio: *See—*
  - Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaharu; and Sekine, Yoshio, 4,853,723, Cl. 354-145.100.
- Sekine, Yoshitada: *See—*
  - Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 260-34.000.
- Sekine, Yukio. Pencil type heart potential waveform measuring device. 4,844,090, 7-4-89, Cl. 128-696.000.
- Sekino, Jun: *See—*
  - Goto, Takao; and Sekino, Jun, 4,827,825, Cl. 84-306.000.
- Sekino, Naomi; and Tashiro, Yoshio, to Olympus Optical Co., Ltd. Ultrasonic treatment apparatus for performing medical treatment by use of ultrasonic vibrations. 4,836,211, 6-6-89, Cl. 128-662.050.
- Sekino, Naomi: *See—*
  - Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
- Sekino, Takeshi: *See—*
  - Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.
- Sekino, Yonesaku. Process for producing cloth for stuffed animal toys. 4,841,607, 6-27-89, Cl. 28-160.000.
- Sekioka, Kunikazu, to Tokyo Electric Co., Ltd. Electronic weighing instrument. 4,836,309, 6-6-89, Cl. 177-25.150.
- Sekioka, Riyouichi: *See—*
  - Fujita, Takashi; Hihara, Toshio; Kogure, Yoshio; Sekioka, Riyouichi; and Nakamura, Noboru, 4,872,881, Cl. 8-549.000.
  - Hihara, Toshio; and Sekioka, Riyouichi, 4,888,028, Cl. 8-549.000.
- Sekira, Peter: *See—*
  - Bayer, Helmut; and Sekira, Peter, 4,861,954, Cl. 200-284.000.
- Sekisui Jushi Kabushiki Kaisha: *See—*
  - Morita, Shizuo; Tada, Kiyoshi; Togo, Tatsuo; and Tazaki, Hiroo, 4,814,742, Cl. 340-825.540.
  - Takeda, Syunya, 4,813,625, Cl. 242-84.800.
- Sekisui Kagaku Kogyo Kabushiki Kaisha: *See—*
  - Anraku, Hideo; and Shoji, Yoshikata, 4,856,533, Cl. 128-763.000.
  - Hashimoto, Mitsuharu; and Takeda, Shinji, 4,883,253, Cl. 251-315.000.
  - Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, 4,883,734, Cl. 430-109.000.
  - Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, 4,883,734, Cl. 430-109.000.
  - Murata, Masahiro; and Takahashi, Kaoru, 4,880,579, Cl. 264-26.000.
  - Nakachi, Takeshi; Hata, Akio; and Watanabe, Yoshihisa, 4,861,683, Cl. 428-694.000.
  - Takeda, Shinji; and Hashimoto, Mitsuharu, 4,813,649, Cl. 251-315.000.
  - Takeda, Shinji; and Hashimoto, Mitsuharu, 4,869,450, Cl. 251-315.000.
  - Yamabe, Yasuo, 4,816,099, Cl. 156-73.100.
- Sekita, Ryuichi: *See—*
  - Ohishi, Kohji; Akiyama, Minoru; and Sekita, Ryuichi, 4,861,860, Cl. 528-272.000.
- Sekitani, Noboru: *See—*
  - Matsui, Isamu; and Sekitani, Noboru, 4,798,348, Cl. 242-35.60E.
- Sekiuchi, Kazunori: *See—*
  - Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, 4,864,632, Cl. 455-3.000.
- Sekiuchi, Kazuto: *See—*
  - Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Saito, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.
- Sekiya, Akira, to Director General of Agency of Industrial Science & Technology. Fluorine-containing polymeric amine-amide compound and a method for the preparation thereof. 4,822,860, 4-18-89, Cl. 525-328.200.
- Sekiya, Hiroshi; Arai, Ikuya; and Murata, Toshinori, to Hitachi, Ltd.; and Hitachi Video Engineering, Inc. Television receiver. 4,870,490, 9-26-89, Cl. 358-158.000.
- Sekiya, Hitoshi: *See—*
  - Nakatsugawa, Kenji; Katayama, Aiichi; Sekiya, Hitoshi; and Hiratsuka, Shoji, 4,797,936, Cl. 382-1.000.
  - Nakatsugawa, Kenji; Katayama, Aiichi; and Sekiya, Hitoshi, 4,878,194, Cl. 364-900.000.
- Sekiya, Makoto, to Minolta Camera Kabushiki Kaisha. Laser printer with toner image density control. 4,816,924, 3-28-89, Cl. 358-296.000.
- Sekiya, Makoto, to Minolta Camera Kabushiki Kaisha. Printing apparatus with plural density control. 4,862,288, 8-29-89, Cl. 358-298.000.
- Sekiya, Makoto; and Wada, Kanji, to Minolta Camera Kabushiki Kaisha. Laser printer capable of changing a pixel density. 4,872,025, 10-3-89, Cl. 346-108.000.
- Sekiya, Masayoshi: *See—*
  - Kuhara, Kohichi; Shimazoe, Takahiro; Ishizuka, Toshiro; and Sekiya, Masayoshi, 4,831,078, Cl. 524-821.000.
- Sekiya, Shinji, to Disco Abrasive Systems, Ltd. Method and apparatus for machining hard, brittle and difficultly-machinable workpieces. 4,839,996, 6-20-89, Cl. 51-281.00R.
- Sekiya, Tadayuki: *See—*
  - Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, 4,814,821, Cl. 355-4.000.
- Sekiya, Takashi, to Chitose Kagaku Kogyo Co., Ltd. Case for storing spare leads. 4,811,842, 3-14-89, Cl. 206-443.000.
- Sekiya, Toshifumi: *See—*
  - Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, 4,825,683, Cl. 73-1.00G.
- Sekiya, Yoshiki: *See—*
  - Shinzawa, Motohiro; and Sekiya, Yoshiki, 4,881,501, Cl. 123-279.000.
- Sekiyama, Hiroshi: *See—*
  - Tatsuoka, Syuuzi; Sekiyama, Hiroshi; and Ishige, Kanji, 4,819,327, Cl. 29-840.000.
- Sekiyama, Shigeo, to Isuzu Motors Limited. Engine brake device. 4,872,434, 10-10-89, Cl. 123-320.000.
- Sekiyama, Shigeo; and Okada, Masaki, to Isuzu Motors Limited. Engine braking system. 4,882,906, 11-28-89, Cl. 60-624.000.
- Sekizaki, Satoshi, to Honda Giken Kogyo Kabushiki Kaisha. Transmission equipped with reverse mechanism. 4,879,919, 11-14-89, Cl. 74-337.500.

- Sekizawa, Hidekazu: *See—*
  - Kawakami, Haruko; Sekizawa, Hidekazu; and Yamamoto, Naofumi, 4,803,496, Cl. 346-76.0PH.
  - Yamamoto, Naofumi; Saito, Tutomu; and Sekizawa, Hidekazu, 4,806,780, Cl. 250-578.000.
- Sekizawa, Kazuhiko; Miyake, Takanori; Hironaka, Toshio; and Tsutsumi, Yukihiro, to Toyo Soda Manufacturing Co., Ltd. Process for preparation of halogenated benzene derivatives. 4,849,560, 7-18-89, Cl. 570-208.000.
- Sekizawa, Kazuhiko: *See—*
  - Miyake, Takanori; Sekizawa, Kazuhiko; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,861,929, Cl. 570-209.000.
- Sekizawa, Sadao: *See—*
  - Nagano, Yoosuke; Sekizawa, Sadao; and Seki, Toshio, 4,853,632, Cl. 324-208.000.
- Sekizuka, Yasuo: *See—*
  - Sato, Akira; Sekizuka, Yasuo; and Saito, Satoshi, 4,857,346, Cl. 426-321.000.
- Sekmakas, Kazys, to DeSoto, Inc. Cross-linked emulsion copolymers in thermosetting aqueous coatings. 4,839,403, 6-13-89, Cl. 523-412.000.
- Sekmakas, Kazys, to DeSoto, Inc. Aqueous dispersions of partially cross-linked emulsion copolymers. 4,840,991, 6-20-89, Cl. 524-812.000.
- Seko, Kenji; and Kondo, Toshio, to Kansai Paint Co., Ltd. Photocurable electrodeposition coating compositions for printed circuit photoresist films. 4,845,012, 7-4-89, Cl. 430-287.000.
- Seko, Kenji: *See—*
  - Kinaga, Yoshimasa; Murofushi, Shigeo; and Seko, Kenji, 4,833,207, Cl. 525-276.000.
- Seko, Kiyoshi; Soe, Kazuhiko; Koike, Mitsuru; and Iida, Yoshitaka, to Fuji Machinery Company Ltd. Fluid actuator for driving article-processing apparatus. 4,833,884, 5-30-89, Cl. 60-567.000.
- Seko, Osamu; and Moriya, Masaichi. Door handle device for a door of an automotive vehicle. 4,818,003, 4-4-89, Cl. 292-336.300.
- Seko, Tatsushi: *See—*
  - Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.
- Seko, Yasutoshi: *See—*
  - Abe, Yuuichi; Seko, Yasutoshi; and Tsuda, Hiroshi, 4,846,555, Cl. 350-276.00R.
- Sekoulov, Ivan; and Braeutigam, Hans-Juergen. Flooded biological film reactor for water treatment, with gas charging via a membrane. 4,883,594, 11-28-89, Cl. 210-603.000.
- Sekozawa, Teruji: *See—*
  - Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, 4,887,216, Cl. 364-431.060.
  - Onari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; and Atago, Takeshi, 4,853,720, Cl. 364-431.070.
- Sekur S.p.A.: *See—*
  - Moscatelli, Romano, 4,856,113, Cl. 2-84.000.
- Sela, Richard: *See—*
  - Matson, Les; and Sela, Richard, 4,798,562, Cl. 474-101.000.
- Sela, Uri: *See—*
  - Cody, George D.; Joseph, Craig A.; Sela, Uri; and Baker, Charles L., 4,824,016, Cl. 239-8.000.
- Selack, Donald A.; Smith, Robert J.; and Weeks, Roland R., to Standard Register Company, The. Shipping, storage and handling arrangement for sheet and continuous business forms. 4,834,242, 5-30-89, Cl. 206-555.000.
- Selas Corporation of America: *See—*
  - Seemann, Howard; and Gottschlich, Chad F., 4,874,310, Cl. 431-8.000.
- Selbeck, Harald: *See—*
  - Wittmann, Dieter; Westeppe, Uwe; Idel, Karsten-Josef; Lindner, Christian; Merten, Josef; and Selbeck, Harald, 4,822,852, Cl. 525-66.000.
- Selbert, Alan J., to Hoover Universal, Inc. Covers for vehicle seat and back and method of making same. 4,844,539, 7-4-89, Cl. 297-219.000.
- Selbiger, Lawrence, to AVIA Group International, Inc. Athletic shoe having a dual side lacing system. 4,817,303, 4-4-89, Cl. 36-50.000.
- Selbrede, Martin G. Microcomputer bus assembly. 4,862,400, 8-29-89, Cl. 364-708.000.
- Selby, Charles R. Shift lever stowing device. 4,823,635, 4-25-89, Cl. 74-524.000.
- Selby, Charles R. Fluid collection tube with a safety funnel at its open end. 4,852,584, 8-1-89, Cl. 128-760.000.
- Selby, Douglas S. Unlocking device for vehicle doors. 4,882,954, 11-28-89, Cl. 81-15.900.
- Selby, Geoffrey R., to U.S. Philips Corporation. Mobile radio transmission system. 4,876,738, 10-24-89, Cl. 455-33.000.
- Selby, Howard W., III, to Lasertrak Corporation. Portable navigational planning device. 4,827,419, 5-2-89, Cl. 364-443.000.
- Selby, John A., to Thomas & Betts Corporation. Cable supporting apparatus. 4,841,631, 6-27-89, Cl. 29-749.000.
- Selby, Larry M.: *See—*
  - Beever, William H.; and Selby, Larry M., 4,820,366, Cl. 156-166.000.
  - O'Connor, James E.; Beever, William H.; Dancer, Jeffrey W.; Beaulieu, William B.; Selby, Larry M.; and Rhodes, Virgil H., Jr., 4,883,552, Cl. 156-180.000.
- Selby, Russell D., to Schess Equipment Co., Inc. Mobile sealant applicator for road joints and cracks. 4,831,958, 5-23-89, Cl. 118-108.000.
- Selby, Steven F.: *See—*
  - Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, 4,874,110, Cl. 220-241.000.
  - Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, 4,884,870, Cl. 350-319.000.
  - Klein, Frank H.; Selby, Steven F.; and Klueger, Sigmund, 4,884,872, Cl. 350-321.000.
- Selcro Limited: *See—*
  - Sallberg, Michael E. R., 4,888,232, Cl. 428-215.000.
- Seld, Sigurd V., to Joh. Friedrich Behrens AG. Pneumatically operated driving tool for fasteners. 4,856,696, 8-15-89, Cl. 227-130.000.
- Selden, Boynton. Gooseneck lamp and magnifier with improved clamp assembly. 4,885,667, 12-5-89, Cl. 362-253.000.
- Selden, Gerald P.: *See—*
  - Wickstead, James C.; and Selden, Gerald P., 4,887,968, Cl. 434-85.000.
- Selders, Matthias: *See—*
  - Lang, Bernhard; and Selders, Matthias, 4,836,107, Cl. 102-293.000.
- Selectro-Vision, Ltd.: *See—*
  - Richardson, John, 4,796,387, Cl. 273-237.000.
  - Richardson, John, 4,848,771, Cl. 273-237.000.
- Selectronic Fund und Sicherheitsctechnik GmbH: *See—*
  - Ormanns, Siegfried; and Schwalb, Hans J., 4,870,700, Cl. 455-92.000.
- Selectrons Ltd.: *See—*
  - Bonnardel, Roland, 4,810,343, Cl. 204-224.00R.
  - Freedman, Herb, 4,8[illegible],215, Cl. 363-63.000.
- Seleman, Don J.; and Honzik, Roy F., to HR Textron, Inc. Filter element assembly replaceable mesh pack. 4,812,235, 3-14-89, Cl. 210-247.000.
- Selenia Industrie Elettroniche Associate: *See—*
  - Busacca, Guido; Meli, Vincenzo; and Spalla, Mario, 4,859,907, Cl. 315-3.500.
- Selenia Industrie Elettroniche Associate S.p.A.: *See—*
  - Bernardi, Sergio, 4,872,943, Cl. 156-621.000.
  - Cetronio, Antonio; Moretti, Sergio; and Di Bona, Maurizio, 4,818,724, Cl. 437-203.000.
  - Michelangeli, Glauco B.; De Maria, Michele; and Giuliani, Giampiero, 4,796,262, Cl. 372-9.000.
  - Rocca, Fabio; Cafforio, Ciro; and Prati, Claudio, 4,866,448, Cl. 342-25.000.
- Selenia Spazio S.p.A.: *See—*
  - Galati, Gaspare; and Losquadro, Giacinto, 4,843,397, Cl. 342-59.000.
  - Perrotta, Giorgio; and Losquadro, Giacinto, 4,800,570, Cl. 375-4.000.
- Selent, Horst S.: *See—*
  - Hollingsworth, John D.; Selent, Horst S.; and Keener, Gary F., 4,813,104, Cl. 19-98.000.
- Selesky, Kenneth G.: *See—*
  - Eaton, Homer L.; Selesky, Kenneth G.; and Kambara, Goro, 4,835,855, Cl. 29-863.000.
- Selewski, Steve: *See—*
  - Erickson, Roy O.; Selewski, Steve; and Alberts, John, 4,851,017, Cl. 55-256.000.
- Self-Cleaning Environments, Inc.: *See—*
  - Garvey, Glenwood L., 4,881,284, Cl. 4-662.000.
- Self, Colin H., to Cambridge Patent Developments Limited. Antibodies against the complex of a small molecule and its binding protein, their preparation and their use in diagnostic methods. 4,828,985, 5-9-89, Cl. 435-7.000.
- Self, Colin H., to Cambridge Patent Developments Limited. Monoclonal antibodies reactive with immune complexes. 4,840,895, 6-20-89, Cl. 435-7.000.
- Self Diagnostic Security Devices, Inc.: *See—*
  - Williamson, Gary L., 4,849,734, Cl. 340-506.000.
- Self, F. Wayne, to Translift Systems, Inc. Movable tipping frame for hoist trucks. 4,889,464, 12-26-89, Cl. 414-491.000.
- Self, Freddy. Valve for fire extinguisher. 4,822,003, 4-18-89, Cl. 251-332.000.
- Self, Keith S.: *See—*
  - Johnson, David B.; Ebersole, Ronald J.; Huang, Joel C.; Neugebauer, Manfred; Page, Steven R.; and Self, Keith S., 4,853,846, Cl. 364-200.000.
- Self, Peter M.: *See—*
  - McCoy, Stephen A.; Madison, Bryan L.; Self, Peter M.; and Weisgerber, David J., 4,822,875, Cl. 536-119.000.
- Selfix, Inc.: *See—*
  - Chap, John P., 4,848,620, Cl. 220-19.000.
  - Gresens, Stanley T.; and Chap, John P., 4,826,119, Cl. 248-223.300.
- Selfridge, Alan R.: *See—*
  - Yock, Paul G.; and Selfridge, Alan R., 4,887,606, Cl. 128-662.050.
- Selfridge, Philip T.; Leonard, John B., Jr.; and Clancey, Patrick K., to Chemcrete International Corp. High strength asphalt cement paving composition. 4,801,332, 1-31-89, Cl. 106-273.100.
- Selgrad, James: *See—*
  - Harrington, Richard F.; and Selgrad, James, 4,854,437, Cl. 192-98.000.
- Selig, Manfred: *See—*
  - Ball, Peter; Marquardt, Klaus; and Selig, Manfred, 4,847,341, Cl. 526-201.000.
  - Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.

Seligson, Joel L., to Eastman Kodak Company. Imaging apparatus which includes a light-valve array having electrostatically deflectable elements. 4,805,038, 2-14-89, Cl. 358-296.000.

Selin Johan-Fredrik: *See—*

Eklund, Vidar; Fors, Jan; Mandell, Leo; Meinander, Kerstin; Selin, Johan-Fredrik; and Turunen, Olli T., 4,861,874, Cl. 536-32.000.

Selines, Ronald J.: *See—*

Maddever, Wayne J.; Riley, Michael F.; and Selines, Ronald J., 4,796,277, Cl. 373-72.000.

Selinger, Johann: *See—*

Forster, Josef; and Selinger, Johann, 4,886,635, Cl. 376-268.000.

Selinko, George J. Device for aiding in the putting on of stockings or the like. 4,858,795, 8-22-89, Cl. 223-111.000.

Selis, Edward W.: *See—*

Pinto, Albert A.; Selis, Edward W.; and Carroll, George W., 4,850,833, Cl. 425-6.000.

Selitrennikoff, Claude P., to University Patents, Inc. Protoplasts of temperature-sensitive strains of neurospora crassa OS-1. 4,873,196, 10-10-89, Cl. 435-254.000.

Seljelid, Rolf: *See—*

Larm, Karl O. P.; Hoffman, James; Seljelid, Rolf; and Bogwald, Jarl, 4,795,745, Cl. 514-54.000.

Selke, Gary J.; and Morse, Larry J., to SiMed Corporation. C-bracket for medical equipment. 4,815,687, 3-28-89, Cl. 248-230.000.

Selker, Hermann G.: *See—*

Leifeld, Ferdinand; and Selker, Hermann G., 4,797,976, Cl. 19-200.000.

Selkirk, William M.: *See—*

Marciniak, George Z.; and Selkirk, William M., 4,821,597, Cl. 74-545.000.

Sell, Charles, to JOX Corporation. Batting box. 4,810,560, 3-7-89, Cl. 428-192.000.

Sell, Edward A.: *See—*

Wilkinson, Michael J.; Watkins, Robert G., Jr.; and Sell, Edward A., 4,886,282, Cl. 280-4.000.

Sell, James C., Jr.: *See—*

Strong, Michael R.; Sell, James C., Jr.; and Cimbalik, David J., 4,799,513, Cl. 137-625.480.

Sellar, James R.; Reisdorf, James E.; Lappies, Mark F.; and Valle, Mark S., to Information Packaging Corp. Holder for flat objects such as computer disks. 4,852,740, 8-1-89, Cl. 206-444.000.

Sellati, Christopher G. Safety power receptacle with hot wire switch-through. 4,871,924, 10-3-89, Cl. 307-86.000.

Sellberg, Robert P.: *See—*

Hesch, Harold E.; Przybylinski, Phillip G.; and Sellberg, Robert P., 4,864,938, Cl. 105-4.100.

Sellberg, Ronald P.: *See—*

Terlecky, Boris S.; and Sellberg, Ronald P., 4,848,611, Cl. 213-64.000.

Selle, Daniel; and Boissenot, Philippe, to U.S. Philips Corp. Method of manufacturing a semiconductor device of the hetero-junction bipolar transistor type. 4,889,821, 12-26-89, Cl. 437-31.000.

Selle, Daniel; Boissenot, Philippe; and Rabinzohn, Patrick, to U.S. Philips Corp. Method of manufacture semiconductor device of the hetero-junction bipolar transistor type. 4,889,824, 12-26-89, Cl. 437-31.000.

Selle, Robert: *See—*

Selle, Robert W., 4,799,673, Cl. 272-123.000.

Selle, Robert W., to Selle, Robert. Bench press safety apparatus. 4,799,673, 1-24-89, Cl. 272-123.000.

Sellers, James R.: *See—*

Stunzi, Joseph M.; and Sellers, James R., 4,808,963, Cl. 337-246.000.

Sellers, Jay R.: *See—*

Vogt, Thomas C., Jr.; Hale, Mitchell W.; and Sellers, Jay R., 4,869,322, Cl. 166-280.000.

Sellers, William; and Garrison, Terry. Compressor slugging protection device and method therefor. 4,884,412, 12-5-89, Cl. 62-115.000.

Selleslags, Frank K. A.: *See—*

Sovish, Richard C.; Selleslags, Frank K. A.; and Moisson, Marc F. L., 4,879,799, Cl. 29-447.000.

Sellew, Paul C.; and Kuter, Geoff, to International Process Systems. Composting facility. 4,869,877, 9-26-89, Cl. 422-111.000.

Sellick Equipment Limited: *See—*

Ramsey, Keith E., 4,854,810, Cl. 414-710.000.

Selling, John A.: *See—*

LaHaye, Peter G.; and Selling, John A., 4,877,781, Cl. 514-179.000.

Sellke, Richard G.: *See—*

Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.

Sellner, Bruce A., to Sellner Productions, Inc. Simulated laser weapon and amusement application therefore. 4,830,381, 5-16-89, Cl. 273-312.000.

Sellner, Josef: *See—*

Bolling, Fritz C.; and Sellner, Josef, 4,858,962, Cl. 285-136.000.

Sellner Productions, Inc.: *See—*

Sellner, Bruce A., 4,830,381, Cl. 273-312.000.

Sells, Gary L., to Cor-A-Vent, Inc. Vented fascia board. 4,807,409, 2-28-89, Cl. 52-95.000.

Sells, Gary L., to Cor-A-Vent, Inc. Ventilated cap for the ridge of a roof. 4,843,953, 7-4-89, Cl. 98-42.210.

Sellschopp, Michael: *See—*

Kieser, Jorg; Lotz, Hans G.; Dittmer, Gonde; and Sellschopp, Michael, 4,847,460, Cl. 219-10.55A.

Sellstrom, Kathy B.; and Alexander, David C., to Texaco Chemical Company. Oxamidoamine co-curatives in epoxy thermoset adhesives. 4,814,415, 3-21-89, Cl. 528-111.000.

Sellstrom, Kathy B.; and Waddill, Harold G., to Texaco Inc. Polymer concrete composition for cementitious road repair and overlay. 4,828,879, 5-9-89, Cl. 427-136.000.

Sellstrom, Kathy B.; and Renken, Terry L., to Texaco Chemical Company. Amidoamine co-curatives in epoxy thermoset adhesives. 4,853,456, 8-1-89, Cl. 528-111.000.

Selman, Steven H.: *See—*

Morgan, Alan R.; Selman, Steven H.; Garbo, Greta M.; and Keck, Rick W., 4,877,872, Cl. 540-145.000.

Selman, William A., to S & D Products, Inc. Magnetic calendar frame. 4,852,282, 8-1-89, Cl. 40-159.000.

Selmer Company, The: *See—*

Stevens, Leigh H., 4,881,442, Cl. 84-403.000.

Selmer, Jean, to Societe Anonyme dite: Henri Selmer & Cie. Detachable fluidtight assembly system for two interengaging elements of the acoustic tube of a musical wind instrument. 4,825,742, 5-2-89, Cl. 84-380.00R.

Selph, Marvin P.; and Hughes, Derek B., to Triad Communications, Inc. Utility meter and submetering system. 4,804,957, 2-14-89, Cl. 340-870.030.

Selsdon, Leslie. Series filters. 4,832,836, 5-23-89, Cl. 210-133.000.

Seltmann, Hans-Guenter: *See—*

Gonzalez, Rene A. A.; Budnowski, Manfred; Hercld, Julius; Rutzen, Horst; Schneider, Eberhard; and Seltmann, Hans-Guenter, 4,829,142, Cl. 528-111.000.

Seltzer, Donald S., to Charles Stark Draper Laboratory, Inc., The. Multiple axis displacement sensor. 4,866,854, 9-19-89, Cl. 33-558.000.

Seltzer, Jeffrey H.; and Hanjani, Hassan M., to National Semiconductor Corporation. High-speed, asynchronous, No-Fall-Through, first-in first out memory with high data integrity. 4,833,651, 5-23-89, Cl. 365-189.070.

Seltzer, Raymond, and Winter, Roland A. E., to Ciba-Geigy Corporation. 4-higher alkyl-2-nitro-2'-hydroxy-3',5'-di-higher alkyl (or cumyl)-azobenzenes. 4,847,367, 7-11-89, Cl. 534-649.000.

Seltzer, Raymond; and Winter, Roland A. E., to Ciba-Geigy Corporation. 5-Aralkyl substituted 2h-benzotriazoles in stabilized compositions. 4,861,813, 8-29-89, Cl. 524-91.000.

Seltzer, Raymond; Ravichandran, Ramanathan; and Patel, Ambelal R., to Ciba-Geigy Corporation. Polyolefin compositions stabilized with long chain N,N-dialkylhydroxylamines. 4,876,300, 10-24-89, Cl. 524-100.000.

Selva, Enrico; Riva, Ernesto; Cassani, Giovanni; and Parenti, Francesco, to Gruppo Lepetit S.p.A. Antibiotic A 40926 N-acylaminoglucuronyl aglycons and antiobiotic A 40926 aglycon. 4,868,171, 9-19-89, Cl. 514-183.000.

Selva, Enrico: *See—*

Riva, Ernesto; Selva, Enrico; Denaro, Maurizio; Cassani, Giovanni; and Parenti, Francesco, 4,804,534, Cl. 424-118.000.

Selva, Luciano, to Ezio Selva, S.r.l. Automatic apparatus for shaping windings for coils particularly suitable to dipole or quadrupole magnets. 4,848,685, 7-18-89, Cl. 242-7.150.

Selvaer, Ole K.: *See—*

Haughland, Tor-Avid; Kleiven, Atle; and Selvaer, Ole K. 4,860,264, Cl. 367-17.000.

Selvey, Loy N. Boat dolly. 4,795,177, 1-3-89, Cl. 280-47.13B.

Selway, John W. T.: *See—*

Hodson, Harold F.; Batchelor, John F.; Selway, John W. T.; Vinter, Jeremy G.; and Iyer, Ramachanderan, 4,801,593, Cl. 514-307.000.

Rahim, Saad G.; and Selway, John W. T., 4,863,906, Cl. 514-50.000.

Selwood, Alan: *See—*

Ward, Ian M.; and Selwood, Alan, 4,801,419, Cl. 264-288.400.

Selwyn, Gary S.: *See—*

Keller, John H.; Selwyn, Gary S.; and Singh, Jyothi, 4,846,920, Cl. 156-345.000.

Selwyn-Smith, Clive, to Locwyn Limited. Document suspension apparatus. 4,856,660, 8-15-89, Cl. 211-46.000.

Selwyn-Smith, Clive, to Locwyn Limited. Document suspension apparatus. 4,882,864, 11-28-89, Cl. 40-359.000.

Selwyn, Stephen: *See—*

Ratner, Harvey; Ratner, Ronald; Seifert, Glenn A.; Selwyn, Stephen; and Zaro, Marvin, 4,824,237, Cl. 351-203.000.

Selz, Mark E.: *See—*

Ande, Charles F.; and Selz, Mark E., 4,877,626, Cl. 426-250.000.

Selzer, Gunther. Fire retardant gas spring assembly for a passenger seat control. 4,856,762, 8-15-89, Cl. 267-64.120.

Semaan, Naji. Self heating food receptacle. 4,823,769, 4-25-89, Cl. 126-263.000.

Semanision, Tab: *See—*

Kordomenos, Panagiotis I.; Dervan, Andrew H.; and Semanision, Tab, 4,833,216, Cl. 525-440.000.

Semec, Inc.: *See—*

Arefinejad, Majid; Brothers, Dennis J.; and Kosinski, Frederick, 4,874,205, Cl. 297-379.000.

Semel, Frederick J., to Hoeganaes Corporation. Iron-based powder mixtures. 4,834,800, 5-30-89, Cl. 106-403.000.

Semen, John; and Rogers, John J., to Ethyl Corporation. Preceramic compositions and ceramic products. 4,835,207, 5-30-89, Cl. 524-443.000.

Semen, John: *See—*

Rogers, John J.; and Semen, John. 4,845,058, Cl. 501-88.000.

Semena, Mikhail G.: *See—*

Gershuni, Alexandr N.; Maisotsenko, Valery S.; Zaripov, Vladilen K.; and Semena, Mikhail G., 4,842,052, Cl. 165-104.110.

Semenets, Valery I.: *See—*

Baldenko, Dmitry F.; Kondratenko, Leonid A.; and Semenets, Valery I., 4,823,889, Cl. 175-107.000.

Semenik, William: *See—*

Messerly, Robert H.; Semenik, William; Fobes, Norman H.; and Prox, Robert J., 4,820,102, Cl. 414-788.900.

Sementilli, Donald A.: *See—*

Robertson, John C.; and Sementilli, Donald A., 4,867,334, Cl. 220-243.000.

Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Allan D., to GLAXO S.p.A. 1,4-dihydropyridines. 4,801,599, 1-31-89, Cl. 514-356.000.

Semeraro, Claudio; Micheli, Dino; Pieraccioli, Daniele; Gaviraghi, Giovanni; and Borthwick, Alan D., to Glaxo, s.p.a. 1,4-Dihydropyridine 3,5 dicarboxylic acid derivatives and compositions. 4,806,533, 2-21-89, Cl. 514-211.000.

Semerau, Jon M.; and Sonnek, Christopher D., to NCR Corporation. Data bit synchronizer. 4,839,890, 6-13-89, Cl. 370-84.000.

Semeria, Didier: *See—*

Jacquet, Bernard; Hocquaux, Michel; Semeria, Didier, and Saint-Leqer, Didier, 4,803,228, Cl. 514-714.000.

Semersky, Frank E., to Plastic Technologies, Inc. Tamper resistant wide mouth package with dynamic seal. 4,854,472, 8-8-89, Cl. 220-306.000.

Semetex Corporation: *See—*

Saint-Cyr, Frederic, 4,879,589, Cl. 357-79.000.

Semethy, Kenneth F.: *See—*

Fero, Arnold H.; Potochnik, Lawrence M.; Riling, Ronald W.; and Semethy, Kenneth F., 4,876,058, Cl. 376-247.000.

Semi-Bulk Systems, Inc.: *See—*

Alack, Charles S., 4,848,975, Cl. 406-138.000.

Handleman, Avrom R., 4,860,959, Cl. 241-39.000.

Semiconducor Energy Laboratory Co., Ltd.: *See—*

Yamazaki, Shunpei, 4,846,558, Cl. 350-339.00R.

Semiconductor Energy Laboratory Co., Ltd.: *See—*

Fukuda, Takeshi; Yamazaki, Shunpei; and Sugawara, Akira, 4,877,481, Cl. 156-643.000.

Hayashi, Shigenori; Hirose, Naoki; Inujima, Takashi; and Ito, Kenji, 4,803,095, Cl. 427-54.100.

Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,820,612, Cl. 430-315.000.

Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Inushima, Takashi; and Yamazaki, Shunpei, 4,828,967, Cl. 430-315.000.

Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.

Sinohara, Hisato, 4,861,964, Cl. 219-121.680.

Shinohara, Hisato, 4,865,686, Cl. 156-643.000.

Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.

Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, 4,811,684, Cl. 118-50.100.

Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, 4,857,139, Cl. 156-643.000.

Urata, Kazuo; Hirose, Naoki; and Hayashi, Shigenori, 4,887,548, Cl. 118-722.000.

Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.

Yamazaki, Shunpei, 4,808,553, Cl. 437-100.000.

Yamazaki, Shunpei, 4,808,554, Cl. 437-101.000.

Yamazaki, Shunpei, 4,810,661, Cl. 437-3.000.

Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.

Yamazaki, Shunpei, 4,816,113, Cl. 156-643.000.

Yamazaki, Shunpei, 4,816,886, Cl. 357-41.000.

Yamazaki, Shunpei; Suzuki, Kunio; and Nagayama, Susumu, 4,826,711, Cl. 427-248.100.

Yamazaki, Shunpei, 4,828,363, Cl. 350-339.00R.

Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.

Yamazaki, Shunpei, 4,829,013, Cl. 437-2.000.

Yamazaki, Shunpei, 4,829,358, Cl. 357-41.000.

Yamazaki, Shunpei; and Mizunuma, Takeshi, 4,832,456, Cl. 350-334.000.

Yamazaki, Shunpei, 4,832,981, Cl. 427-38.000.

Yamazaki, Shunpei, 4,835,751, Cl. 369-13.000.

Yamazaki, Shunpei, 4,836,655, Cl. 350-350.00S.

Yamazaki, Shunpei, 4,843,022, Cl. 437-4.000.

Yamazaki, Shunpei; Inushima, Takashi; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; and Sakama, Mitsunori, 4,844,588, Cl. 350-339.00R.

Yamazaki, Shunpei, 4,845,695, Cl. 369-13.000.

Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.

Yamazaki, Shunpei, 4,850,679, Cl. 350-339.00R.

Yamazaki, Shunpei; Sato, Masahiko; and Sakayori, Hiroyuki, 4,850,680, Cl. 350-340.000.

Yamazaki, Shunpei, 4,853,911, Cl. 369-13.000.

Yamazaki, Shunpei; Mase, Akira; and Sakayori, Hiroyuki, 4,854,675, Cl. 350-336.000.

Yamazaki, Shunpei; Mase, Akira; Konuma, Toshimitsu; Miyazaki, Minoru; Sakama, Mitsunori; and Inushima, Takashi, 4,855,805, Cl. 357-58.000.

Yamazaki, Shunpei, 4,855,976, Cl. 369-13.000.

Yamazaki, Shunpei; and Hamatani, Toshiji, 4,856,458, Cl. 118-722.000.

Yamazaki, Shunpei, 4,860,069, Cl. 357-17.000.

Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.

Yamazaki, Shunpei; and Inujima, Takashi, 4,861,622, Cl. 427-54.100.

Yamazaki, Shunpei, 4,868,614, Cl. 357-17.000.

Yamazaki, Shunpei, 4,869,923, Cl. 427-38.000.

Yamazaki, Shunpei, 4,871,581, Cl. 427-39.000.

Yamazaki, Shunpei; Itoh, Kenji; and Nagayama, Susumu, 4,874,920, Cl. 219-121.850.

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Yamazaki, Shunpei, 4,889,782, Cl. 430-57.000.

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Chang, Chin-Hsiung; and Seminara, Gary J., 4,820,318, Cl. 55-68.000.

Chang, Chin-Hsiung; and Seminara, Gary J., 4,820,681, Cl. 502-418.000.

Semion, Robert: *See—*

Weaver, Robert C., 4,801,171, Cl. 296-100.000.

Weaver, Robert C., 4,858,984, Cl. 296-100.000.

Semitest, Inc.: *See—*

Kamieniecki, Emil, 4,827,212, Cl. 324-158.00R.

Semitool, Inc.: *See—*

Thompson, Raymon F.; and Funk, Larry, 4,872,638, Cl. 251-54.000.

Semitron Cricklade, Ltd.: *See—*

Howard, Christopher-George; and Doughty, Norma A., 4,866,563, Cl. 361-124.000.

Semizelnikov, Anatoly N.: *See—*

Novikov, Alexei E.; Putan, Leonid A.; Meerovich, Valery I.; Semizelnikov, Anatoly N.; and Pokatilov, Vladimir P., 4,835,470, Cl. 324-213.000.

Semken, Robert S.: *See—*

Kufis, James C.; and Semken, Robert S., 4,870,355, Cl. 324-158.00F.

Semkow, Krystyna W.: *See—*

Sammells, Anthony F.; and Semkow, Krystyna W., 4,804,448, Cl. 204-243.00R.

Semlitsch, Manfred: *See—*

Frey, Otto; and Semlitsch, Manfred, 4,800,639, Cl. 29-421.100

Semm, Kurt, to Wisap, Gesellschaft fur Wissenschaftlichen Apparatebau mbH. Instrument grip. 4,830,002, 5-16-89, Cl. 128-321.000.

Sempel, Adrianus, to U.S. Philips Corporation. Low noise relaxation oscillator. 4,871,985, 10-3-89, Cl. 331-111.000.

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Hafele, Carl H.; and Weyand, Manfred, 4,875,659, Cl. 251-282.000.

Sempio, Carlo; Vailati, Romeo; and Ronchetti, Tullo, to Vedril S.p.A. Sanitary wares of acrylic or methacrylic resins and method for obtaining them. 4,822,652, 4-18-89, Cl. 428-34.500.

Semple, Joseph E., to Du Pont de Nemours, E. I., and Company. Heterocyclic 2,3-dihydrobenzofuran herbicides. 4,881,967, 11-21-89, Cl. 71-92.000.

Semprex Corporation: *See—*

Volk, Karl G.; and Delisle, William J., 4,881,858, Cl. 409-218.000.

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Breidegam, Albert C., 4,813,459, Cl. 139-421.000.

Semura, Norio; Tsuchida, Masumi; and Shimamura, Yoshihiro, to Asmo Co., Ltd. Method for mounting a plurality of brushes. 4,879,803, 11-14-89, Cl. 29-598.000.

Sen, Arup, to International Genetic Engineering, Inc. Osteogenic factors. 4,804,744, 2-14-89, Cl. 530-350.000.

Sen, Debasish: *See—*

Carroll, Clive R. E.; and Sen, Debasish, 4,832,269, Cl. 242-25.00R.

Sen, Susanta: *See—*

Capasso, Federico; Cho, Alfred Y.; and Sen, Susanta, 4,853,753, Cl. 357-4.000.

Sen, Sustana: *See—*

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Sen, Un-Chen. Decorative wooden water-bird. 4,819,805, 4-11-89, Cl. 206-457.000.

Senak, Peter, Jr.: *See—*

Anderson, Frank J.; and Senak, Peter, Jr., 4,868,477, Cl. 318-696.000.

Senaratne, K. Pushpananda A., to Ethyl Corporation. Dehalogenation process. 4,814,497, 3-21-89, Cl. 562-467.000.

Senator, Stewart: *See—*
- DiMatteo, Paul; Chubb, Charles F.; and Senator, Stewart, 4,796,313, Cl. 5-81.00R.

Senatore, Guy; Shang, Wei-Teh W.; and Goetz, Kenneth D., to Phillips Petroleum Company. Preparation of poly arylene sulfide with specified ratio of sulfur source to cyclic organic amide. 4,882,416, 11-21-89, Cl. 528-388.000.

Senatore, Guy; Nesheiwat, Afif M.; and Sherk, Fred T., to Phillips Petroleum Company. Washing arylene sulfide polymers with water plus a reducing agent. 4,882,418, 11-21-89, Cl. 528-499.000.

Senatore, Guy: *See—*
- Geibel, Jon F.; and Senatore, Guy, 4,820,800, Cl. 528-388.000.
- Nesheiwat, Afif M.; Senatore, Guy; and Sherk, Fred T., 4,801,664, Cl. 525-537.000.

Senba, Ayumi, to Hario Kabushiki Kaisha. Gruel cooker for microwave ranges. 4,839,484, 6-13-89, Cl. 219-10.55E.

Senba, Tetsuo, to Sony Corp. Method and apparatus for digitally recording and reproducing a color video signal for a SECAM system. 4,885,642, 12-5-89, Cl. 358-310.000.

Sencer, Gulay: *See—*
- Opderbeck, Holger; Sencer, Gulay; Carr, William N.; and Byars, Steven J., 4,796,256, Cl. 370-110.100.

Senco Products, Inc.: *See—*
- Cotta, Gilbert A., 4,821,941, Cl. 227-130.000.
- McCardle, Thomas A.; Taylor, J. C.; and Hentz, Thomas E., 4,863,089, Cl. 227-116.000.

Sencon Systems Incorporated: *See—*
- Blounts, Wayne J., 4,842,650, Cl. 106-90.000.

Sencore, Inc.: *See—*
- Cook, Terry D., 4,795,966, Cl. 324-60.00R.
- Cook, Terry D.; and Ortman, Ross, 4,825,147, Cl. 324-60.00C.
- Wittrock, Glen R., 4,823,390, Cl. 381-4.000.

Sencorp: *See—*
- Houck, Robert B.; and McGuffey, Arnold L., 4,854,492, Cl. 227-131.000.
- Steeves, Jay M.; and Halbert, Eric H., 4,811,882, Cl. 227-8.000.

Senda, Akira; and Usui, Takayuki, to Mitsui & Co., Ltd.; and DML Company Limited. Method of and apparatus for preserving perishable goods. 4,845,958, 7-11-89, Cl. 62-418.000.

Senda, Atsuo; Kasanami, Tohru; and Nakagawa, Takuji, to Murata Manufacturing Co., Ltd. Structure of copper conductor and method of forming same. 4,833,004, 5-23-89, Cl. 428-210.000.

Senda, Atsuo: *See—*
- Kaneko, Toshimi; Fujinaga, Ryuichi; Morinaga, Tetsuya; Senda, Atsuo; Numata, Toshi; and Kashio, Hideyuki, 4,797,648, Cl. 336-192.000.
- Kano, Osamu; and Senda, Atsuo, 4,795,658, Cl. 427-98.000.
- Kano, Osamu; Takano, Yoshihiko; and Senda, Atsuo, 4,871,585, Cl. 427-98.000.
- Okumura, Mitsunao; Senda, Atsuo; and Imagawa, Shunjiro, 4,845,587, Cl. 361-302.000.

Senda, Hisato: *See—*
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
- Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,883,879, Cl. 546-280.000.

Senda, Mitsugi; Ikeda, Tokuji; and Katasho, Isao, to Shimadzu Corporation. Enzyme electrodes. 4,820,399, 4-11-89, Cl. 204-403.000.

Senda, Shuji; and Omata, Tetsuo, to Nitto Electric Industrial Co., Ltd. Process for preparing methyl 4-oxo-5-tetradecynoate. 4,808,340, 2-28-89, Cl. 260-410.900.

Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, to Nitto Electric Industrial Co., Ltd. Novel optically active alcohol. 4,835,292, 5-30-89, Cl. 549-423.000.

Senda, Shuji; Nakazono, Yutaka; and Mori, Kenji, to Nitto Electric Industrial Co., Ltd. Optically active hydroxy esters. 4,864,056, 9-5-89, Cl. 560-179.000.

Senda, Toshiaki: *See—*
- Yamanami, Tsuguya; Funahashi, Takahiko; and Senda, Toshiaki, 4,878,553, Cl. 178-18.000.

Sendai Mechanic Kogyo Kabushiki Kaisha: *See—*
- Matsuda, Kazue, 4,806,020, Cl. 366-273.000.

Sendai, Michiyuki: *See—*
- Kishimoto, Shoji; Tomimatsu, Kiminori; and Sendai, Michiyuki, 4,833,134, Cl. 514-206.000.

Senderowicz, Daniel: *See—*
- Confalonieri, Pierangelo; Senderowicz, Daniel; and Nicollini, Germano, 4,799,042, Cl. 341-118.000.
- Confalonieri, Pierangelo; Senderowicz, Daniel; and Tirelli, Augusto, 4,805,192, Cl. 375-25.000.
- Pernici, Sergio; Nicollini, Germano; and Senderowicz, Daniel, 4,829,266, Cl. 330-253.000.

Sendvac M. Knape GmbH & Co. Maschinen und Anlagen KG: *See—*
- Knape, Michael, 4,840,691, Cl. 156-245.000.

Sendzimir, Michael G.; and Turley, John W., to T. Sendzimir, Inc. Strip wiping system. 4,843,673, 7-4-89, Cl. 15-102.000.

Seneau, Bernard, to General Foods Corporation. Method for producing a pre-proofed, frozen and unbaked dough having an improved shelf life. 4,839,178, 6-13-89, Cl. 426-19.000.

Seneau, Bernard, to General Foods Corporation. Preproofed, partially baked and frozen, crusty bread and method of making same. 4,861,601, 8-29-89, Cl. 426-19.000.

Seneff, Robert W. Apparatus for applying frames to fabric. 4,805,297, 2-21-89, Cl. 29-721.000.

Senerchia, David C.: *See—*
- Natusch, Paul J.; Senerchia, David C.; and Henry, John F., Jr. deceased, 4,809,218, Cl. 364-900.000.

Senesan, Zeljka D.: *See—*
- Brandt, Nils G. L.; and Senesan, Zeljka D., 4,867,761, Cl. 51-309.000.

Senet, Jean-Pierre; Gauthier, Patricia; Malfroot, Thierry; and Wolf, Patrick, to Societe Nationale des Poudres et Explosifs. Process for the preparation of acid chlorides by phosgenation of acids, and catalysts for this process. 4,806,286, 2-21-89, Cl. 260-544.00K.

Senet, Jean-Pierre: *See—*
- Bowman, Mark; Olofson, Roy; Malfroot, Thierry; and Senet, Jean-Pierre, 4,808,743, Cl. 558-141.000.
- Gauthier, Patricia; Malfroot, Thierry; and Senet, Jean-Pierre, 4,820,856, Cl. 558-249.000.
- Malfroot, Thierry; Piteau, Marc; and Senet, Jean-Pierre, 4,808,745, Cl. 558-277.000.

Seney, John S. Dental bur cooling and control systems. 4,869,668, 9-26-89, Cl. 433-85.000.

Seney, John S. Work holding device for handicapped persons. 4,871,154, 10-3-89, Cl. 269-97.000.

Senez, Alain, to BP Chemicals Limited. Polymer compositions based on linear low density polyethylene and propylene copolymers. 4,871,813, 10-3-89, Cl. 525-240.000.

Senff, Anthony N. Silver recovery method. 4,842,644, 6-27-89, Cl. 75-118.00P.

Senff, Gunter: *See—*
- Bitter, Rudolf; and Senff, Gunter, 4,886,020, Cl. 123-52.00M.

Senft, Ernst; Klemmer, Herbert; and Schefscik, Nikolaus, to Daimler-Benz Aktiengesellschaft. Quick-action connection for retaining an insertion part in an orifice of a carrier. 4,822,228, 4-18-89, Cl. 411-519.000.

Senft, Ernst; Klemmer, Herbert; Uhl, Ullrich; Naumann, Emil; and Schefcsik, Nikolaus, to Daimler-Benz Aktiengesellschaft. Adjusting device for a vehicle parking brake. 4,889,007, 12-26-89, Cl. 74-506.000.

Senft, Helmut; and Hasenrath, Peter, to Maschinenfabrik Andritz Aktiengesellschaft. Device for sealing shaft bearings or shaft bearing housings. 4,840,385, 6-20-89, Cl. 277-53.000.

Senfter, Emil, to Steyr-Daimler Puch AG. Sports pistol. 4,884,354, 12-5-89, Cl. 42-73.000.

Senftner, Vidala J.: *See—*
- Kuehnle, Manfred R.; and Senftner, Vidala J., 4,848,008, Cl. 36-35.00R.

Seng, Stephen; and Macdonald, Frank J., to Owens-Corning Fiberglas Corporation. Glass melt furnace. 4,819,247, 4-4-89, Cl. 373-30.000.

Seng, Stephen, to Owens-Corning Fiberglas Corporation. Scrap recovery apparatus. 4,853,024, 8-1-89, Cl. 65-335.000.

Senga, Minoru: *See—*
- Ogata, Norio; Yamato, Hiroyasu; and Senga, Minoru, 4,810,773, Cl. 528-388.000.

Senga, Takao; Takaoka, Kazuchiyo; Yamamoto, Hirokazu; and Hashimoto, Takimi, to Mitsubishi Paper Mills, Ltd. Liquid developer for electrophotography. 4,873,166, 10-10-89, Cl. 430-137.000.

Senga, Takao: *See—*
- Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, 4,879,197, Cl. 430-119.000.

Senge, F. Gerhard; Watson, Angus A.; Sanner, Kenneth E.; and Corbin, Terry R., to Chemcut Corporation. Process and apparatus for electrolytically removing protective layers from sheet metal substrate. 4,859,298, 8-22-89, Cl. 204-146.000.

Sengelow, William M.: *See—*
- Twigg, Martyn V.; and Sengelow, William M., 4,810,685, Cl. 502-60.000.
- Twigg, Martyn V.; and Sengelow, William M., 4,863,712, Cl. 423-651.000.

Senger, Detlef: *See—*
- Pietzsch, Ludwig; Senger, Detlef; Winter, Horst; and Vollinger, Hubert, 4,876,600, Cl. 358-183.000.

Senger, Robert D.: *See—*
- Arzenti, Thomas E.; and Senger, Robert D., 4,876,871, Cl. 72-122.000.

Sengewald, Karl H. Process and apparatus for the manufacture of a package made of a thermoplastic synthetic sheet. 4,819,412, 4-11-89, Cl. 53-471.000.

Sengewald, Karl-Heinz. Gas-sterilizable package, cover of and arrangement for producing the same. 4,884,694, 12-5-89, Cl. 206-484.100.

Sengewald, Karl-Heinz. Bag for infusion solutions and the like and method of manufacturing the same. 4,887,913, 12-19-89, Cl. 383-96.000.

Sengewald. Karl-Heinz. Tearable package of synthetic thermoplastic foil and device and method for producing the same. 4,889,5 12-26-89, Cl. 493-195.000.

SENGEWALD Klinikprodukte GmbH: *See—*
- Weimar, Albert, 4,883,695, Cl. 428-35.200.

Sengoku, Koji; and Nagatome, Yoshiaki, to House Food Industries Co. Process for producing retort bean curds. 4,874,630, 10-17-89, Cl. 426-634.000.

Sengoku, Koji; and Tomita, Misao, to House Food Industrial Company Limited; and Takai Tofu & Soymilk Equipment Co. Continuous digesting apparatus. 4,884,498, 12-5-89, Cl. 99-352.000.

Sengoku, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Memory device including a rotating disk and means for detecting change in frictional resistance between the disk and a read/record head. 4,809,248, 2-28-89, Cl. 369-47.000.

Sengoku, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Information recording/regenerating circuit for a memory unit. 4,811,125, 3-7-89, Cl. 360-51.000.

Sengoku, Masaharu, to Mitsubishi Denki Kabushiki Kaisha. Memory device including a rotating disk and means for detecting change in frictional resistance between the disk and a read/record head. 4,882,720, 11-21-89, Cl. 369-47.000.

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Sengoku, Norio: *See—*
- Ohki, Nobuaki; Sengoku, Norio; and Kobayashi, Fumiyuki, 4,884,170, Cl. 361-414.000.

Sengoku, Yukinori, to Mitsubishi Denki Kabushiki Kaisha. Separator manufacturing apparatus for forming a separator plate having ribs of resinous material on a base sheet. 4,879,967, 11-14-89, Cl. 118-259.000.

SenGupta, Gautam: *See—*
- Jacobs, Loyd D.; SenGupta, Gautam; and Spain, Byron R., 4,828,202, Cl. 244-117.00R.

Sengupta, Pritimay; and Kornmayer, Ewald, to Zeiss Ikon AG. Means for locking a displaceable or rotatable part. 4,807,454, 2-28-89, Cl. 70-277.000.

Senia, E. Steve; and Wildey, William L., to Board of Regents, The University of Texas System. Endodontic instrument. 4,850,867, 7-25-89, Cl. 433-102.000.

Senillou, Claude; de Framond, Remy; Garnier, Marcel; Yavari, Ali R.; and Joud, Jean-Charles, to Union Siderurgique Du Nord Et De L'Est De La France (USINOR). Process and apparatus for preparing especially metallic and semi-metallic bands of small thickness. 4,858,675, 8-22-89, Cl. 164-503.000.

Senju Metal Industry Co., Ltd.: *See—*
- Zen, Mitsuo, 4,805,832, Cl. 228-260.000.

Senju Pharmaceutical Co., Ltd.: *See—*
- Kubo, Michinori; and Matsuda, Reiko, 4,859,468, Cl. 424-195.100.
- Morita, Yasushi, 4,808,577, Cl. 514-64.000.
- Ogata, Kazumi; and Sakaue, Takahiro, 4,870,071, Cl. 514-191.000.
- Ogata, Kazumi; Ogawa, Takahiro; and Sakaue, Takahiro, 4,888,329, Cl. 514-100.000.
- Terayama, Hideo; and Inoue, Jun, 4,820,837, Cl. 544-99.000.
- Yamamoto, Yujiro; Terayama, Hideo; and Morita, Yasushi, 4,822,823, Cl. 514-690.000.
- Yamamoto, Yujiro; Ogawa, Takahiro; and Kuribayashi, Yoshikazu, 4,826,879, Cl. 514-657.000.

Senkingwerk GmbH: *See—*
- Stoll, Karl-Heinz A., 4,848,107, Cl. 68-27.000.

Senko Medical Instrument Mfg. Co., Ltd.: *See—*
- Nakanishi, Hikaru; Kamiya, Masahiro; Kuwana, Katsuyuki; and Ishizuka, Hiroaki, 4,808,378, Cl. 422-48.000.

Senkowski, Bernard Z.: *See—*
- Dastoli, Frank R.; Senkowski, Bernard Z.; Wagener, Dieter W.; Bogdanffy, George H.; and Vin, Gaurang R., 4,880,581, Cl. 264-39.000.

Senkowski, Gottfried; and Sturm, Joachim, to Dynamit Nobel Aktiengesellschaft. Detonator pellet. 4,878,430, 11-7-89, Cl. 102-202.900.

Senma, Toshitaka; Imamura, Tomoatsu; and Shimada, Kazuyuki, to Ricoh Company, Ltd. Semiconductor laser control apparatus. 4,856,008, 8-8-89, Cl. 372-31.000.

Senne, Dennis R. Method for fuel economy. 4,836,184, 6-6-89, Cl. 126-292.000.

Senneron, Michel: *See—*
- Dussart-Lermusiaux, Annie; Senneron, Michel; Rabilloud, Guy; and Sillion, Bernard, 4,814,403, Cl. 526-265.000.

Sennett, Michael S., to United States of America, Army. Process for making polyphosphazenes. 4,867,957, 9-19-89, Cl. 423-300.000.

Sennett, Paul, to Engelhard Corporation. Use of high molecular weight sulfonate as auxiliary dispersants for structured kaolins. 4,859,246, 8-22-89, Cl. 106-487.000.

Sennett, Shirley H.: *See—*
- Arnold, Janet O.; and Sennett, Shirley H., 4,817,287, Cl. 30-178.000.

Seno, Cornelio L. Three chamber continuous combustion engine. 4,854,279, 8-8-89, Cl. 123-204.000.

Seno, Eugene T.: *See—*
- Birmingham, Virginia A.; and Seno, Eugene T., 4,879,241, Cl. 435-253.500.
- Birmingham, Virginia A.; Cox, Karen L.; and Seno, Eugene T., 4,889,809, Cl. 435-252.300.

Seno, Kaoru: *See—*
- Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.

Seno, Makito; Misawa, Yoshihiko; and Inukai, Tsutomu, to Matsushita Electric Industrial Co., Ltd. Method of and apparatus for mounting electric components. 4,794,689, 1-3-89, Cl. 29-740.000.

Senoh, Kazunori: *See—*
- Kobayashi, Michio; and Senoh, Kazunori, 4,811,653, Cl. 92-98.00D.

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- Okamoto, Tsuneyuki; Toda, Yasuyuki; Katayama, Mitsuo; and Senoh, Yasumasa, 4,804,506, Cl. 264-45.100.

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- Nakayama, Hisanobu; Tanaka, Osamu; Yasumoto, Hiromichi; Senoo, Seiichi; Zaizen, Youichi; and Yamasaki, Kouji, 4,875,947, Cl. 148-113.000.

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Senpaku Koheki Kabushiki Kaisha: *See—*
- Enzu, Masao, 4,865,464, Cl. 383-44.000.

Sens, Ruediger: *See—*
- Dix, Johannes P.; Etzbach, Karl-Heinz; Mayer, Udo; and Sens, Ruediger, 4,880,769, Cl. 503-227.000.

Sensabaugh, Andrew J., Jr.: *See—*
- Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
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- Ambrose, Stephen D., 4,852,177, Cl. 381-154.000.

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- Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, 4,802,831, Cl. 418-55.000.
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- Tsai, Yih-Wan; and Sensi, John E., 4,816,056, Cl. 65-135.000.

Sensoptic Development B.V.: *See—*
- Borsboom, Petrus C. F., 4,884,891, Cl. 356-446.000.

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- Berman, Herbert L., 4,823,291, Cl. 364-557.000.

Sensor Electronics, Inc.: *See—*
- Langberg, Edwin, 4,879,698, Cl. 367-140.000.

Sensor Science: *See—*
- Harrop, David; Sharpe-Geisler, Bradley A.; and Sharpe-Geisler, Valli R., 4,855,711, Cl. 340-323.00R.

Sensor Technologies, Inc.: *See—*
- Fiori, David. Jr., 4,838,139, Cl. 84-1.100.
- Fiori, David, Jr., 4,841,245, Cl. 324-208.000.
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- Humphrey, Floyd; and Cantey, James B., 4,811,000, Cl. 340-551.000.
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- Paff, Robert; Thompson, Edwin; Stiepel, Norbert M.; and Anderson, Luis, 4,833,534, Cl. 358-108.000.
- Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart, 4,859,991, Cl. 340-572.000.

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- Frick, Gene; and McCarthy, Rex, 4,824,242, Cl. 356-41.000.
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- Jensen, Robert L., 4,805,612, Cl. 128-204.210.
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- McDavid, Larry S.; Pawlowski, Michael; Foster, Stuart L.; and Stillman, Gerald T., 4,805,122, Cl. 364-557.000.

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- Howard, Charles P., 4,822,564, Cl. 422-52.000.

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- Bowers, David L.; and Kienle, Gunther W., 4,802,485, Cl. 128-633.000.

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- Melanson, Lionel J.; and Sentementes, Thomas J., 4,886,956, Cl. 219-541.000.

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- Sentimore, Marrilyn M.: *See—*
  - Sentmore, Darryl J., Sr.; and Sentimore, Marrilyn M., 4,823,848, Cl. 141-334.000.
- Sentinel Bag & Paper Company, Inc.: *See—*
  - Nagler, Peter M., 4,866,786, Cl. 383-101.000.
- Sentissi, Abdellah: *See—*
  - Giese, Roger W.; Warden, Beverly; Kariman, Allam; Ehrat, Markus; Cecchini, Douglas J.; and Sentissi, Abdellah, 4,801,726, Cl. 556-419.000.
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- Sentop Ltd.: *See—*
  - Rotem, Abraham; Silberg, Etan; and Israeli, Shaul, 4,835,691, Cl. 364-424.020.
- Sentrol, Inc.: *See—*
  - Abel, William E.; and Marman, Douglas H., 4,837,558, Cl. 340-550.000.
- Sentron v.o.f.: *See—*
  - Meinema, Ate. J., 4,858,615, Cl. 128-668.000.
- Sentry Medical Products, Inc.: *See—*
  - Finch, Gary J., 4,848,351, Cl. 128-640.000.
- Sentry Piping Systems, Inc.: *See—*
  - Brittain, Perry N.; and Kirkpatrick, John D., 4,818,314, Cl. 156-87.000.
- Senturia, Stephen D.: *See—*
  - Howe, Roger T.; Mehregany, Mehran; and Senturia, Stephen D., 4,823,607, Cl. 73-783.000.
- Senules, Alex: *See—*
  - Cunningham Glenn R.; and Senules, Alex, 4,836,870, Cl. 149-2.000.
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- Seo, Kenzo: *See—*
  - Kondo, Tatsuhiko; Seo, Kenzo; Itoh, Shinetsu; Kanazawa, Masaru; and Okada, Kiyotaka, 4,807,040, Cl. 358-233.000.
- Seo, Naobumi: *See—*
  - Murakami, Teruo; and Seo, Naobumi, 4,841,502, Cl. 369-13.000.
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- Seo, Seung-Mo, to Samsung Electronics Co., Ltd. Column redundancy circuit for CMOS dynamic random access memory. 4,829,480, 5-9-89, Cl. 365-200.000.
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  - Hwang, Sun-Tak; Li, Dong; and Seok, Damon R., 4,828,588, Cl. 55-158.000.
- Seong, Jae P. Writing device with alarm. 4,812,068, 3-14-89, Cl. 401-195.000.
- Seoul Nassau Corporation: *See—*
  - Song, Chul-Ho, 4,880,233, Cl. 273-60.00R.
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  - Taylor, John A., 4,814,087, Cl. 210-641.000.
  - Taylor, John A., 4,844,804, Cl. 210-321.800.
  - Taylor, John A., 4,850,498, Cl. 210-651.000.
  - Taylor, John A., 4,857,081, Cl. 55-16.000.
  - Taylor, John A., 4,872,982, Cl. 210-490.000.
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  - Baker, Charles D.; Brimhall, Owen D.; and Messinger, James E., 4,887,458, Cl. 73-61.10R.
  - Brimhall, Owen D.; Peterson, Stephen C.; Baker, Charles D.; and Riddle, Merwyn D., 4,854,170, Cl. 73-570.000.
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  - Born, Gunthard; and Sepp, Gunther, 4,819,561, Cl. 102-213.000.
- Seppa, Ilkka: *See—*
  - Perkola, Markku; and Seppa, Ilkka, 4,877,424, Cl. 55-52.000.
- Seppala, Earl E.: *See—*
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- Seppanen, Reijo O., to Oy Nokia AB. Method for the extraction of a substance from an aqueous solution. 4,883,595, 11-28-89, Cl. 210-634.000.
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  - Matson, Stephen L., 4,795,704, Cl. 435-41.000.
  - Matson, Stephen L., 4,800,162, Cl. 435-280.000.
  - Matson, Stephen L., 4,816,407, Cl. 435-287.000.
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  - Andresen, Brian D.; and Fought, Eric R., 4,867,947, Cl. 422-70.000.
  - Saxena, Vinit, 4,833,083, Cl. 435-240.240.
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  - Saxena, Vinit; and Andresen, Brian D., 4,865,729, Cl. 210-198.200.
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  - Taylor, Michael A.; and Rogler-Brown, Timothy, 4,871,463, Cl. 210-161.000.
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  - Bittorf, Bradley J.; Flood, Mark A.; Kalan, Michael D.; and Sepsi, Robert R., 4,876,664, Cl. 364-900.000.
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- Sepulveda, Ralph R.: *See—*
  - Rerek, Mark E.; Aronson, Michael P.; and Sepulveda, Ralph R., 4,828,747, Cl. 252-95.000.
- Sequa Chemicals Inc.: *See—*
  - Floyd, William C.; and Hui, Sai H., 4,837,087, Cl. 428-511.000.
- Sequa Corporation: *See—*
  - Cogswell, John; and Fokos, Robert, 4,795,416, Cl. 493-423.000.
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- Sequence Incorporated: *See—*
  - Buchele, William N., 4,833,445, Cl. 341-118.000.
- Sequins of Distinction, Inc.: *See—*
  - Lenson, Harry; and Moise, Lester L., 4,807,546, Cl. 112-88.000.
- Sequoia Systems, Inc.: *See—*
  - Stiffler, Jack J.; Budwey, Michael J.; and Nolan, James M., Jr., 4,819,154, Cl. 364-200.000.
- Sequoia-Turner Corporation: *See—*
  - Mack, Daniel R., 4,803,050, Cl. 422-65.000.
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- Sera, Hidefuji: *See—*
  - Kato, Eiichi; Dan, Shigeyuki; Ishibashi, Hiroshi; Ishii, Kazuo; and Sera, Hidefuji, 4,840,865, Cl. 430-114.000.
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  - Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Tadashi; and Iwasaki, Masahiro, 4,872,394, Cl. 91-506.000.
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  - Cogan, George W.; Christel, Lee A.; Merchant, J. Thomas; and Gibbons, James F., 4,824,489, Cl. 136-256.000.
- Sera, Takaaki: *See—*
  - Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayashi, Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, 4,833,001, Cl. 428-141.000.
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  - Faustino, Marilia M.; Varia, Sailesh A.; and Serajuddin, Abu T. M., 4,868,170, Cl. 514-179.000.
- Seraphim, Donald P.: *See—*
  - Gazdik, Charles F.; McBride, Donald G.; Seraphim, Donald P.; and Toole, Patrick A., 4,855,867, Cl. 361-306.000.
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  - Serbent, Harry, deceased, 4,846,083, Cl. 110-344.000.
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  - Hirsch, Martin; Rose, Fritz; and Serbent, Harry, 4,806,158, Cl. 75-26.000.
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- Sercel, Anthony D.: *See—*
  - Beylin, Vladimir G.; Goel, Om P.; Sercel, Anthony D.; and Showalter, Howard D. H., 4,806,654, Cl. 548-370.000.
- Serco Mold, Inc.: *See—*
  - Serio, Donald L., Jr., 4,854,476, Cl. 220-357.000.
- Serebryanik, Ilya P.: *See—*
  - Puzrin, Leonid G.; Atroshenko, Miron G.; Yaremenko, Vladimir L.; Ischenko, Jury Y.; Nefedov, Pavel S.; Pescherin, Ivan G.; Serebryanik, Ilya P.; and Polev, Evgeny I., 4,886,203, Cl. 228-126.000.
- Seredkin, Vladimir P.: *See—*
  - Domogatsky, Viktor V.; Levin, Boris M.; Boiko, Valentina F.; Batakshova, Natalya D.; Bukhonov, Alexei D.; Kravtsov, Alexandr I.; Gurevich, Mark S.; Filimonov, Vladimir M.; Smirnov, Mikhail I.; and Seredkin, Vladimir P., 4,827,767, Cl. 73-253.000.
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  - Bertrand, Pierre, 4,809,589, Cl. 92-98.00R.
- Serein, Etienne: *See—*
  - Bernard, Jean-Luc; and Serein, Etienne, 4,849,289, Cl. 428-404.000.
- Sereno, Daniele: *See—*
  - Copperi, Maurizio; and Sereno, Daniele, 4,811,398, Cl. 381-37.000.
- Seres, Gabor; Jarai, Miklos; Piukovich, Sandor; Szigetvari nee Gabanyi, Maria; and Szejtli, Jozsef, to Chinoin Gyogyszer Es Vegyeszeti Termekek Gyara Rt. Process for the preparation of high-purity gamma- and alpha-cyclodextrins. 4,835,105, 5-30-89, Cl. 435-97.000.
- Seres, Istvan: *See—*
  - Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.000.
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- Serester, Alexander: *See—*
  - Leuthold, Karl; Maul, Herbert; Troger, Walter; and Serester, Alexander, 4,878,626, Cl. 241-57.000.
- Sergant, Moshe: *See—*
  - Yang, Jane J. J.; Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Sergant, Moshe, 4,869,780, Cl. 156-643.000.
- Sergeant, John: *See—*
  - Brown, Douglas J.; Newnes, William R.; and Sergeant, John, 4,869,360, Cl. 198-460.000.
- Sergeant, O. Winston; and McLean, Peter T., to Digital Equipment Corporation. Secondary storage facility employing serial communications between drive and controller. 4,811,279, 3-7-89, Cl. 364-900.000.
- Sergeant, O. Winston: *See—*
  - Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,811,278, Cl. 364-900.000.
  - Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,825,406, Cl. 364-900.000.
  - Bean, Robert G.; Beckman, Michael E.; Rubinson, Barry L.; Gardner, Edward A.; Sergeant, O. Winston; and McLean, Peter T., 4,837,675, Cl. 364-200.000.
- Sergeant, Ron. Rotor powered sailboat. 4,803,938, 2-14-89, Cl. 114-39.100.
- Sergeant, Ronald G.; and Sykora, Allan J., to AMP Incorporated. Method and apparatus for electrical wiring of structural assemblies. 4,820,189, 4-11-89, Cl. 439-395.000.
- Sergeant, Ronald G.; and VanDerStuyf, Allen F., to AMP Incorporated. Method for electrical wiring utilizing wire retainer. 4,879,810, 11-14-89, Cl. 29-861.000.
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  - Pelix, Evgeny A.; Zakharchenko, Valter I.; Sergeev, Svyatoslav M.; Lozovoi, Leonid N.; Gudovskikh, Vladimir A.; Krasilnikov, Sergei B.; Kornev, Evgeny A.; Markov, Sergei N.; Farberg, Arkady L.; and Khilkevich, Vitaly A., 4,817,120, Cl. 378-45.000.
- Sergent, Marcel M.: *See—*
  - Chevrel, Roger A.; Sergent, Marcel M.; and Hirrien, Maryvonne F., 4,808,488, Cl. 428-614.000.
- Sergienko, Tatyana I.: *See—*
  - Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
- Sergio, Zoni, to Dulevo S.p.A. Scraping device for floor and surface cleaning machines. 4,862,548, 9-5-89, Cl. 15-49.00R.
- Serikawa, Mitsuhiko; Usuki, Sawako; and Sato, Katsuaki, to Matsushita Electric Industrial Co., Ltd. Microwave heating appliance for automatically heating an object on the basis of a distinctive feature of the object. 4,868,357, 9-19-89, Cl. 219-10.55B.
- Serikawa, Toshiaki: *See—*
  - Takagi, Hiroshi; Serikawa, Toshiaki; and Tsunoda, Noriaki, 4,889,442, Cl. 401-194.000.
- Serini, Volker: *See—*
  - Scholl, Thomas; Serini, Volker; Rathmann, Dietrich; Savage, Ross; and Kircher, Klaus, 4,797,435, Cl. 524-89.000.
- Serio, Andre L.: *See—*
  - Ducos, Maurice P.; and Serio, Andre L., 4,839,239, Cl. 428-623.000.
- Serio, Donald L., Jr., to Serco Mold, Inc. Container and perimeter seal therefor. 4,854,476, 8-8-89, Cl. 220-357.000.
- Serio, Giovanni; and Verhoeven, Martinus C. M., to U.S. Philips Corporation. Cathode ray tube with internal electrical connections means. 4,829,212, 5-9-89, Cl. 313-406.000.

Serio, Salvatore D. Collapsible crustacean trap. 4,864,770, 9-12-89, Cl. 43-105.000.
Seris, Jean L.: *See*—
  Levesque, Guy; Souppe, Jerome; Seris, Jean L.; and Bellenger, Valerie, 4,870,016, Cl. 435-183.000.
Serita, Tamio; and Takeuchi, Hiroyuki, to Chisso Corporation. Method for producing shaped articles of ceramics. 4,873,039, 10-10-89, Cl. 264-65.000.
Serizawa, Akio: *See*—
  Iida, Toshiharu; and Serizawa, Akio, 4,825,290, Cl. 358-209.000.
Serizawa, Hajime; Ojima, Koichi; and Shimizu, Kiyoshi, to Nitto Boseki Co., Ltd. Water soluble photosensitive resin compositions with bisazide compound. 4,842,984, 6-27-89, Cl. 430-197.000.
Serizawa, Haruo: *See*—
  Hashimoto, Yasuaki; and Serizawa, Haruo, 4,857,413, Cl. 428-592.000.
  Hitachi, Yuzo; and Serizawa, Haruo, 4,857,500, Cl. 502-439.000.
Serizawa, Hiroyuki: *See*—
  Ban, Yuzaburo; Tsujii, Hiraaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, 4,843,031, Cl. 437-129.000.
Serizawa, Hisao: *See*—
  Miyauchi, Mikiyoshi; Meguro, Takashi; Serizawa, Hisao; and Kusanagi, Hiroaki, 4,851,267, Cl. 427-357.000.
Serizawa, Minoru; and Tazuke, Yutaka, to Tokai Rubber Industries, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Dual-type damper device. 4,794,816, 1-3-89, Cl. 74-574.000.
Serizawa, Minoru; and Tazuke, Yutaka, to Tokai Rubber Industries, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Dual-type damper device. 4,815,332, 3-28-89, Cl. 74-573.00R.
Serizawa, Minoru; and Tazuke, Yutaka, to Tokai Rubber Industries, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Dual-type damper device. 4,881,426, 11-21-89, Cl. 74-574.000.
Serizawa, Mitsuya: *See*—
  Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.
  Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.
Serizawa, Shinichiro: *See*—
  Igarashi, Akira; Shimomura, Akihiro; and Serizawa, Shinichiro, 4,797,384, Cl. 503-200.000.
Serizawa, Susumu: *See*—
  Kotani, Hiroshi; and Serizawa, Susumu, 4,834,658, Cl. 439-8.000.
Serizawa, Yoshinori: *See*—
  Mochizuki, Shigehiko; Kanda, Masahiro; and Serizawa, Yoshinori, 4,880,389, Cl. 439-125.000.
Serkes, Jonathan M.; and Foschaar, William L., to In Vitro Scientific Products, Inc. Roller bottle for tissue culture growth. 4,824,787, 4-25-89, Cl. 435-285.000.
Sermatech International, Inc.: *See*—
  Mosser, Mark F.; Eddinger, Kevin B.; and Fabiny, William J., 4,863,516, Cl. 106-14.120.
  Mosser, Mark F., 4,889,558, Cl. 106-14.120.
Sermont, S.A.: *See*—
  Vinas I Nogueroles, Jose M., 4,877,632, Cl. 426-502.000.
Sermont, S.A. and Construcciones Mecanicas AGMI, S.A.: *See*—
  Vinas I Nogueroles, Jose M., 4,869,661, Cl. 425-230.000.
Sero, Samuel J.; Collins, James S.; and Yates, Victor, to Secure Anchoring & Foundation Equipment, Inc. Anchoring and foundation support apparatus and method. 4,843,785, 7-4-89, Cl. 52-160.000.
Sero, Samuel J.; Collins, James S.; and Yates, Victor, to S.A.F.E. Anchoring and foundation support apparatus having moment resisting vanes and method. 4,882,891, 11-28-89, Cl. 52-742.000.
Serone Diagnostics Partners: *See*—
  Allen, Gerald J., 4,808,521, Cl. 435-7.000.
Serono Laboratories, Inc.: *See*—
  Hodgen, Gary D., 4,845,077, Cl. 514-2.000.
Serot, Etienne: *See*—
  Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, 4,877,229, Cl. 271-2.000.
Serota, Samuel, to United States of America, Agriculture. Lipolytic splitting of fats and oils. 4,865,978, 9-12-89, Cl. 435-134.000.
Serota, Samuel: *See*—
  Parrish, Frederick W.; and Serota, Samuel, 4,799,966, Cl. 127-63.000.
Serotonin Industries of Charleston: *See*—
  Hohenwarter, Mark, 4,843,071, Cl. 514-217.000.
Seroussi, Gadiel, to Cyclotomics, Inc. Hypersystolic reed-solomon encoder. 4,835,775, 5-30-89, Cl. 371-37.000.
Serpelloni, Michel, to Roquette Freres. Directly compressible powdered maltitol and its process of preparation. 4,831,129, 5-16-89, Cl. 536-124.000.
Serra, Jerry M.: *See*—
  Huddleston, Elwyn; Serra, Jerry M.; and Robe, Gary R., 4,801,346, Cl. 156-187.000.
Serra, Mario: *See*—
  Negri, Roberto; and Serra, Mario, 4,832,543, Cl. 409-7.000.
Serracant-Clermont, Jose M.; and Serracant-Clermont, Juan. System for treating fabrics in cord in closed ring. 4,888,848, 12-26-89, Cl. 15-306.00A.
Serracant-Clermont, Juan: *See*—
  Serracant-Clermont, Jose M.; and Serracant-Clermont, Juan, 4,888,848, Cl. 15-306.00A.

Serrano, Alberto B. Setting chambers for concrete parts. 4,870,991, 10-3-89, Cl. 134-56.00R.
Serrano, Jean-Pierre: *See*—
  Pasquini, Pierre; Labrot, Maxime; Serrano, Jean-Pierre; and Pineau, Didier, 4,847,466, Cl. 219-121.590.
Serras-Paulet, Edouard. Alternating current electrical power suppl circuit. 4,807,102, 2-21-89, Cl. 363-37.000.
Serratelli, John F.: *See*—
  Nichols, Jerram B.; Herrington, Ronald M.; Hunter, Douglas L. Serratelli, John F.; and Carey, David G., 4,863,976, Cl. 521-137.000.
  Turner, Robert B.; Jenkines, Randall C.; Serratelli, John F.; and Barnes, Garland R., 4,853,054, Cl. 156-78.000.
Serratrice, Guy: *See*—
  Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl 568-39.000.
Serret, Raymond J., Jr., to Serret Systems Inc. Telephone lock un 4,833,707, 5-23-89, Cl. 379-200.000.
Serret Systems Inc.: *See*—
  Serret, Raymond J., Jr., 4,833,707, Cl. 379-200.000.
Serter, Erbil H. Hull forms. 4,875,425, 10-24-89, Cl. 114-56.000.
Serur, Juan R.: *See*—
  Bursell, Sven-Erik; and Serur, Juan R., 4,836,207, Cl. 128-633.00
Serv-Tech, Inc.: *See*—
  Krajicek, Richard W.; and Cradeur, Robert R., 4,805,653, Cl 134-166.00C.
  Krajicek, Richard W.; and Cradeur, Robert R., 4,817,653, Cl 134-168.00R.
  Krajicek, Richard W.; and Cradeur, Robert R., 4,856,545, Cl 134-166.00C.
  Krajicek, Richard W.; and Cradeur, Robert R., 4,869,638, Cl 414-745.300.
Servais, Michel; and Crochet, Roger, to Solvay & Cie (Societe Anonyme). Stabilized compositions of 1,1,1-trichloroethane. 4,795,837 1-3-89, Cl. 570-110.000.
Servais, Michel, to SOLVAY & Cie (Societe Anonyme). Stabilized 1,1,1-trichloroethane compositions. 4,861,926, 8-29-89, Cl 570-110.000.
Servant, Antoine, to Societe Industrielle d'Equipment Mecanique Device for the sealed connection of two pipe elements. 4,850,521 7-25-89, Cl. 277-167.500.
Serve-All, Inc.: *See*—
  Autry, Farrell; Vicini, William; and Harr, Roland, 4,815,653, Cl 299-18.000.
Servel, Michel; Gonet, Patrick; and Francois, Joel, to Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications). Hybrid time multiplex switching system with optimized buffer memory. 4,884,264, 11-28-89 Cl. 370-58.100.
Servel, Michel: *See*—
  Thomas, Alain; and Servel, Michel, 4,819,201, Cl. 364-900.000.
Servetus Partnership: *See*—
  Lindemann, Peer; and Haughton, Victor M., 4,874,382, Cl 604-195.000.
  Lindemann, Peer; and Haughton, Victor M., 4,878,906, Cl 623-1.000.
Servex B.V.: *See*—
  Drenthen, Jan G., 4,831,884, Cl. 73-861.270.
Service Engineering Co. Ltd.: *See*—
  Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyomi; and Suzuki, Kazuo, 4,876,983, Cl. 118-724.000.
Service National Electricite de France: *See*—
  Nuns, Jacques, 4,868,728, Cl. 363-17.000.
Service National and Enertec: *See*—
  Carnel, Alain, 4,881,072, Cl. 340-870.020.
Service Tool Die & Mfg. Co.: *See*—
  Herdzina, Frank J.; and Goodrich, Rollie M., 4,854,799, Cl 413-66.000.
  Herdzina, Frank J., 4,860,569, Cl. 72-361.000.
Services Equipments France (S.E.F.): *See*—
  Hermelin, Rene, 4,796,761, Cl. 211-11.000.
Servimetal: *See*—
  Schwegler, Patrice; Debrie, Jean-Jacques; Clement, Bernard; Moreaux, Francois; and Olivier, Jacques, 4,840,353, Cl. 266-80.000
Servo Corporation of America: *See*—
  Bambara, Joseph E., 4,843,885, Cl. 73-660.000.
  Villar, Luis F., 4,848,873, Cl. 350-266.000.
Servolift/Eastern Corporation: *See*—
  Vershbow, Daniel R., 4,799,606, Cl. 221-280.000.
Serykh, Leonid A.: *See*—
  Beresnev, Alexei S.; Serykh, Leonid A.; Saveliev, Viktor S.; Voloedov, Valery S.; and Stupin, Igor V., 4,855,563, Cl. 219-121.59
SES Sound Electronic Systems S.A.: *See*—
  Schupbach, Walter, 4,837,826, Cl. 381-24.000.
Seshimo, Masahiro: *See*—
  Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Sato Hitoshi, 4,877,665, Cl. 428-36.100.
Seshimo, Yu: *See*—
  Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hu Masao, 4,854,380, Cl. 165-152.000.
  Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hu Masao, 4,869,316, Cl. 165-151.000.

Seshimoto, Osamu; Terashima, Masaaki; and Saito, Yoshio, to Fuji Photo Film Co., Ltd. Device for measuring ion activity. 4,842,712, 6-27-89, Cl. 204-416.000.
Seshimoto, Osamu: *See*—
  Kido, Keishiro; Saito, Yoshio; Koizumi, Takashi; and Seshimoto, Osamu, 4,801,434, Cl. 422-100.000.
  Oda, Shohei; Seshimoto, Osamu; Sueyoshi, Tohru; and Amano, Hiroyuki, 4,877,582, Cl. 422-68.000.
  Yazawa, Kenichiro; Seshimoto, Osamu; Kitajima, Masao; and Kondo, Asaji, 4,877,579, Cl. 422-56.000.
Sesin, David F., to Merck & Co., Inc. Antifungal agent. 4,845,085, 7-4-89, Cl. 514-183.000.
Sesin, David F., to Merck & Co., Inc. Antifungal agent. 4,845,086, 7-4-89, Cl. 514-183.000.
Sesin, David F.; and Liesch, Jerrold M., to Merck & Co., Inc. Antifungal agent and method. 4,868,208, 9-19-89, Cl. 514-475.000.
Seskus, Edward A.: *See*—
  Hickson, Donald N.; Todd, Gerald W.; and Seskus, Edward A., 4,817,955, Cl. 273-201.000.
Sesar, Daniel M.: *See*—
  Culbert, James A.; and Sesar, Daniel M., 4,872,145, Cl. 367-87.000.
Sessa, Eugene: *See*—
  Duffy, Richard; and Sessa, Eugene, 4,815,414, Cl. 118-308.000.
Sessa, Eugene D.; and Duffy, Richard, to Nylok Fastener Corporation. Method for coating fasteners. 4,842,890, 6-27-89, Cl. 427-47.000.
Sessa, Eugene D.; and Duffy, Richard, to Nylok Fastener Corporation. Apparatus and process for making locking slide nuts. 4,865,881, 9-12-89, Cl. 427-181.000.
Sessa, Eugene D.: *See*—
  Duffy, Richard J.; DiMaio, Anthony; and Sessa, Eugene D., 4,888,214, Cl. 427-183.000.
Sesser, Hans: *See*—
  Heufler, Siegfried; and Sesser, Hans, 4,828,175, Cl. 239-14.200.
Sessink, Franciscus J. A. M., to U. S. Philips Corporation. Modified multi-path detector. 4,878,252, 10-31-89, Cl. 455-276.000.
Sessions, Robert W.; and Rodzen, Richard A., to Ferris Manufacturing Corp. Rotary snap machine. 4,817,261, 4-4-89, Cl. 29-429.000.
Sessions, Robert W., to Ferris Manufacturing Corp. Non-stretching wound dressing and method for making same. 4,884,563, 12-5-89, Cl. 128-155.000.
Sestanj, Kazimir; Wrobel, Jay E.; and Kelly, Joseph M., to American Home Products Corporation. N-acyl-N-napthoylglycines as aldose reductase inhibitors. 4,843,362, 6-27-89, Cl. 514-4.000.
Sestanj, Kazimir: *See*—
  Ferdinandi, Eckhardt S.; Malamas, Michael S.; Sestanj, Kazimir; and Sehgal, Surendra N., 4,853,484, Cl. 564-74.000.
  Wrobel, Jay E.; and Sestanj, Kazimir, 4,820,727, Cl. 514-510.000.
  Wrobel, Jay E.; and Sestanj, Kazimir, 4,853,412, Cl. 514-510.000.
Sestero, Arrigo, to Comitato Nazionale per La Ricerca e per Lo Sviluppo deli Energia Nucleare e delle Energie Alternative. Apparatus for simultaneously generating an intense toroidal magnetic field and an intense poloidal magnetic field quasi-stationarily in time. 4,827,236, 5-2-89, Cl. 335-299.000.
Sesters, James J.: *See*—
  Hulbert, Thomas N.; Sesters, James J.; and Bradley, Earl E., 4,810,974, Cl. 331-1.00A.
Sestrap, Arvo M. Nozzle assembly for hot air torch. 4,798,530, 1-17-89, Cl. 431-354.000.
Seta, Akio: *See*—
  Morishita, Akira; and Seta, Akio, 4,847,580, Cl. 335-126.000.
Seta, Katuo, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Method of measuring humidity by determining refractive index using dual optical paths. 4,847,512, 7-11-89, Cl. 250-575.000.
Setaka, Yousuke; Yanase, Sumio; Takeuchi, Kanji; and Miyahara, Masahiko, to Nippondenso Co., Ltd. Torque detection apparatus. 4,881,414, 11-21-89, Cl. 73-862.330.
Setec Messgerate Gesellschaft m.b.H.: *See*—
  Marek, Jiri, 4,887,066, Cl. 340-436.000.
Setele, Richard A., to Home Fashions, Inc. Vertical blind louver having transparent grooved side edges. 4,884,616, 12-5-89, Cl. 160-236.000.
Seth, Pawan, to Mepha AG. Medicament with a delayed release of active ingredient. 4,795,643, 1-3-89, Cl. 424-456.000.
Seth, Pawan, to Mepha AG. Process for the production of an adhesive plaster. 4,844,903, 7-4-89, Cl. 424-448.000.
Seth, Pyare L., to Mepha AG. Pharmaceutical product for the sustained release of ibuprofen. 4,867,987, 9-19-89, Cl. 424-480.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, to Scientific-Atlanta, Inc. Communication of individual messages to subscribers in a subscription television system. 4,829,569, 5-9-89, Cl. 380-10.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, to Scientific Atlanta, Inc. Method and apparatus for communication of video, audio, teletext, and data to groups of decoders in a communication system. 4,866,770, 9-12-89, Cl. 380-20.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, to Scientific Atlanta, Inc. Method for controlling copying of protected information transmitted over a communications link. 4,890,319, 12-26-89, Cl. 380-5.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, to Scientific Atlanta, Inc. Communications format for a subscription television system permitting transmission of individual text messages to subscribers. 4,890,321, 12-26-89, Cl. 380-20.000.

Sethi, Amar J.: *See*—
  Yong, Raymond N.; and Sethi, Amar J., 4,839,060, Cl. 210-731.000.
Sethi, Dalbir S., to FMC Corporation. Process for purifying a working compound. 4,824,609, 4-25-89, Cl. 260-369.000.
Setliff, Tyrus W. Radiator cap removal tool. 4,836,065, 6-6-89, Cl. 81-124.200.
Seto, Akira, to Nisshin Oil Mills, Ltd. Process for preparing a lipid composition having upon saponification a high gama-linolenic acid content. 4,871,666, 10-3-89, Cl. 435-134.000.
Seto, Akira: *See*—
  Watanabe, Souichirou; and Seto, Akira, 4,831,020, Cl. 514-54.000.
Seto, Hiroshi. Electrically heated portable seat. 4,868,898, 9-19-89, Cl. 219-528.000.
Seto, Hisao: *See*—
  Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
Seto, Izumi; Tsuyuki, Mikio; and Takashima, Yutaka, to Fuji Photo Film Co., Ltd. Automatic machine for unloading film sheet from magazine. 4,878,799, 11-7-89, Cl. 414-331.000.
Seto, Izumi: *See*—
  Takashima, Yutaka; Tsuyuki, Mikio; and Seto, Izumi, 4,811,546, Cl. 53-266.00R.
Seto, Junetsu: *See*—
  Noguchi, Tsutomu; Nito, Keiichi; and Seto, Junetsu, 4,865,945, Cl. 430-192.000.
Seto, Kan-Chiu, to Tandem Computers, Incorporated. Temperature alarm. 4,864,283, 9-5-89, Cl. 340-584.000.
Seto, Kaoru: *See*—
  Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro; and Inuyama, Toshihiko, 4,882,782, Cl. 361-100.000.
  Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, 4,853,740, Cl. 355-319.000.
Seto, Katsuyuki: *See*—
  Katayose, Hiroichi; Yokosuka, Hiroshi; and Seto, Katsuyuki, 4,804,245, Cl. 350-96.230.
Seto, Kimio; and Ohgoda, Makoto, to Fuji Photo Film Co., Ltd. Light-tight envelope for high-speed conveyance of stimulable phosphor sheet. 4,802,618, 2-7-89, Cl. 229-68.00R.
Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, to Nissan Chemical Industries Ltd. Dihydropyridine-5-phosphonic acid cyclic propylene ester. 4,839,361, 6-13-89, Cl. 514-252.000.
Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamikawaji, Yoshimasa; and Tanaka, Sakuya, to Nissan Chemical Industries Ltd. Dihydropyridine-5-phosphonic acid cyclic ester. 4,843,076, 6-27-89, Cl. 514-252.000.
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Seto, Kunihira, to Fuji Photo Film Co., Ltd. Magnetic disc cartridge. 4,809,114, 2-28-89, Cl. 360-133.000.
Seto, Kunihira: *See*—
  Ono, Tsuyoshi; and Seto, Kunihira, 4,855,857, Cl. 360-133.000.
Seto, Kunio: *See*—
  Yamada, Minoru; and Seto, Kunio, 4,826,757, Cl. 430-428.000.
  Yamada, Minoru; and Seto, Kunio, 4,829,330, Cl. 354-322.000.
  Yamada, Minoru; Toyoda, Takashi; and Seto, Kunio, 4,839,273, Cl. 430-634.000.
Seto, Masashi: *See*—
  Kanesige, Akira; and Seto, Masashi, 4,808,113, Cl. 439-67.000.
Seto, Nobuo; and Morigaki, Masakazu, to Fuji Photo Film Co., Ltd. 3,3'(2'H,2H-Spirobibenzofuran compounds. 4,864,039, 9-5-89, Cl. 549-344.000.
Seto, Nobuo: *See*—
  Adachi, Keiichi; Ohno, Shigeru; Inagaki, Yoshio; Seto, Nobuo; and Jinbo, Yoshihiro, 4,833,246, Cl. 544-82.000.
  Morigaki, Masakazu; and Seto, Nobuo, 4,808,515, Cl. 430-551.000.
  Morigaki, Masakazu; and Seto, Nobuo, 4,868,101, Cl. 430-551.000.
  Ohki, Nobutaka; Seto, Nobuo; Naruse, Hideaki; Yagihara, Morio; Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hiroshi, 4,801,521, Cl. 430-380.000.
Seto, Nobuyuki: *See*—
  Kose, Junichi; and Seto, Nobuyuki, 4,841,321, Cl. 354-324.000.
Seto, Noriyuki, to Mazda Motor Corporation. Method and apperatus for evaluating a feeling of a gear shifting operation in a manual transmission. 4,849,888, 7-18-89, Cl. 364-424.100.
Seto, Raymond A.; and Soubliere, Marc P., to Telequest Systems Corporation. Hybrid alphanumeric telephone directory. 4,862,497, 8-29-89, Cl. 379-355.000.
Seto, Takao: *See*—
  Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.
Seto, Tetsuo, to Fuji Xerox Co., Ltd. Device having both standard and supplementary character correspondence tables for generating character codes. 4,868,779, 9-19-89, Cl. 364-900.000.
Seto, Tokiyuki: *See*—
  Dekura, Yoshinori; Momata, Kazuhiro; and Seto, Tokiyuki, 4,796,132, Cl. 360-113.000.
Seto, Toru; Mitsuoka, Shigeaki; Morii, Atsushi; and Kobayashi, Norihisa, to Mitsubishi Jukogyo Kabushiki Kaisha. Apparatus for treating exhaust gas. 4,857,276, 8-15-89, Cl. 422-171.000.
Seto, Toshiaki; and Morinaga, Masaru, to Nippon Seiko Kabushiki Kaisha. Seat belt buckle. 4,797,984, 1-17-89, Cl. 24-641.000.

Seto, Toshiki, to Mitsubishi Denki Kabushiki Kaisha. Infrared video camera shading correction device. 4,879,598, 11-7-89, Cl. 358-113.000.

Seto, Touru: *See—*
  Honda, Mitsuyasu; Seto, Touru; and Mitsuoka, Shigeaki, 4,812,429, Cl. 502-34.000.
  Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.

Seto, Yasuhiko; and Takahashi, Junji, to Pioneer Electronic Corporation. Clamper for disk player. 4,829,501, 5-9-89, Cl. 369-75.200.

Seto, Yoshiko: *See—*
  Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, 4,816,484, Cl. 514-563.000.

Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, to Konica Corporation. Developing apparatus. 4,881,103, 11-14-89, Cl. 355-251.000.

Setoguchi, Ryozo; and Nakamura, Yoshiaki, to Setoguchi, Ryozo. Shape generating/creating system for computer aided design, computer aided manufacturing, computer aided engineering and computer applied technology. 4,864,520, 9-5-89, Cl. 364-560.000.

Seton Health Care Foundation: *See—*
  Muckerheide, Myron C., 4,799,103, Cl. 358-88.000.

Setone, Shouichi: *See—*
  Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.
  Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Setoriyama, Takeshi: *See—*
  Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adachi, Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Takeshi, 4,873,548, Cl. 355-200.000.

Setoyama, Eiji: *See—*
  Nakagawa, Yukio; Natsui, Ken-ichi; Ohshita, Youichi; Sato, Tadashi; Setoyama, Eiji; and Kamei, Mitsuhiro, 4,865,709, Cl. 204-192.120.

Setoyama, Michinobu: *See—*
  Odagiri, Akiharu; and Setoyama, Michinobu, 4,863,355, Cl. 417-12.000.

Setra Systems, Inc.: *See—*
  Li, Da K., 4,846,293, Cl. 177-210.00C.

Setsune, Kentaro: *See—*
  Kitabatake, Makoto; Setsune, Kentaro; and Wasa, Kiyotaka, 4,796,982, Cl. 350-356.000.
  Shiono, Teruhiro; Setsune, Kentaro; and Yamazaki, Osamu, 4,870,632, Cl. 369-44.000.
  Yoshida, Akihisa; Setsune, Kentaro; and Hirao, Takashi, 4,859,908, Cl. 315-111.810.

Sette, Paul R.: *See—*
  Gasiunas, Donatas V.; Sette, Paul R.; and Storace, Anthony, 4,846,715, Cl. 400-163.100.
  Gasiunas, Donatas V.; Sette, Paul R.; and Storace, Anthony, 4,875,788, Cl. 400-163.100.

Setteducati, Mark. Three dimensional puzzle employing a reflective surface. 4,854,591, 8-8-89, Cl. 273-157.00R.

Settele, Walter: *See—*
  Schurmann, Hans; and Settele, Walter, 4,819,892, Cl. 242-18.0PW.

Setter, Joseph R.; and Maclay, G. Jordan, to Transducer Research, Inc. Electrochemical micro sensor. 4,865,717, 9-12-89, Cl. 204-412.000.

Setterberg, John R., Jr.; and Harrison, Robert D., Jr., to Otis Engineering Corporation. Trash barrier tool for wells. 4,846,270, 7-11-89, Cl. 166-115.000.

Settinger, Manfred: *See—*
  Pontius, Klaus; and Settinger, Manfred, 4,805,803, Cl. 222-52.000.
  Pontius, Klaus; and Settinger, Manfred, 4,883,645, Cl. 422-133.000.

Setton, Joel; and Laugenie, Jean-Marc, to Hewlett-Packard Company. Method and device for fast data transmission through a standard serial link. 4,835,346, 5-30-89, Cl. 178-17.500.

Setzer, Michael W. Portable cooking device. 4,800,865, 1-31-89, Cl. 126-21.00R.

Setzer, Robert D., Sr., to Beall Oil Company. Pre-filled fuel filter for internal combustion engines. 4,865,731, 9-12-89, Cl. 210-232.000.

Seufer, Kenneth C., Jr.: *See—*
  Kirman, Lyle E.; and Seufer, Kenneth C., Jr., 4,863,612, Cl. 210-662.000.

Seufert, Walter: *See—*
  Becker, Rainer; Seufert, Walter; Buschmann, Ernst; and Bruchner, Christiane, 4,877,891, Cl. 549-416.000.

Seuring, Bernhard: *See—*
  Kosley, Raymond W., Jr.; and Seuring, Bernhard, 4,833,244, Cl. 540-581.000.

Seuter, Friedel: *See—*
  Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,806,551, Cl. 514-415.000.
  Boshagen, Horst; Rosentreter, Ulrich; Lieb, Folker; Oediger, Hermann; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker-Bernd, 4,827,032, Cl. 564-90.000.
  Franckowiak, Gerhard; Kayser, Michael; Schramm, Matthias; Thomas, Gunther; Gross, Rainer; Perzborn, elisabeth; and Seuter, Friedel, 4,876,254, Cl. 514-252.000.
  Franckowiak, Gerhard; Rosentreter, Ulrich; Perzborn, Elisabeth; Seuter, Friedel; Kayser, Michael; and Thomas, Gunther, 4,876,255, Cl. 514-252.000.
  Niewohner, Ulrich; Hoever, Franz-Peter; Junge, Bodo; Perzborn, Elisabeth; Seuter, Friedel; and Fiedler, Volker-Bernd, 4,868,33 Cl. 562-427.000.
  Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Ferzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,868,332, Cl. 562-427.000.
  Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Oediger, Hermann; Rosentreter, Ulrich; Boshagen, Horst; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,882,35 Cl. 514-456.000.
  Niewohner, Ulrich; Hoever, Franz-Peter; Lieb, Folker; Rosentreter, Ulrich; Perzborn, Elisabeth; Fiedler, Volker-Bernd; and Seuter, Friedel, 4,886,898, Cl. 560-42.000.
  Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Fiedler, Volker-Bernd; Perzborn, Elisabeth; and Seuter, Friedel, 4,843,091, Cl. 514-419.000.
  Rosentreter, Ulrich; Boshagen, Horst; Lieb, Folker; Oediger, Hermann; Niewohner, Ulrich; Seuter, Friedel; Perzborn, Elisabeth; and Fiedler, Volker Bernd, 4,853,406, Cl. 514-411.000.

Seux, Michel: *See—*
  Terrasse, Joseph J.; Boucher, Andre; and Seux, Michel, 4,802,52 Cl. 164-428.000.
  Terrasse, Joseph J.; Seux, Michel; and Leveque, Robert, 4,823,45 Cl. 29-129.500.

Sevadis, Robert. Self-energizing disc brake shoe. 4,854,425, 8-8-89, Cl. 188-72.200.

Sevastopoulos, Nello G., to Linear Technology Corporation. Clock sweepable low-pass filter having DC gain accuracy and reduced DC offset. 4,857,860, 8-15-89, Cl. 330-107.000.

Sevelinge, Gerard, to Framatome. Tension device for tightening and loosening bolts or pins. 4,802,806, 2-7-89, Cl. 411-383.000.

Sevelinge, Gerard, to Framatome. Positioning device for screwing and unscrewing a nut. 4,879,927, 11-14-89, Cl. 81-56.000.

Seven W. Enterprises, Inc.: *See—*
  Weder, Donald E.; and Chi, Tsu T., 4,876,192, Cl. 435-21.000.

Sevendart Limited: *See—*
  Sear, John, 4,798,427, Cl. 350-1.100.

Sevenhans, Joannes M. J.; and Rabaey, Dirk H. L. C., to Alcatel N.V. Correction arrangement for an amplifier. 4,888,559, 12-19-89, Cl. 330-253.000.

Sevennec, Yvon: *See—*
  Bertin, Patrice; Sevennec, Yvon; and Pankowiak, Christian, 4,828,093, Cl. 192-90.000.

Severance, Marcus W.; and Kirby, Aaron A. Fishing float. 4,856,21 8-15-89, Cl. 43-17.500.

Severance, Richard A.: *See—*
  Alexander, Carl A.; Ogden, Julius S.; and Severance, Richard A., 4,845,364, Cl. 250-423.00R.

Severin, Joel C.; Scaglione, Mark W.; Hinds, William S.; and Juskys, Vytautas J., to ST International. Orbital weldhead. 4,841,11 6-20-89, Cl. 219-60.00A.

Severin, William A.: *See—*
  Hochschild, James R.; and Severin, William A., 4,862,121, Cl. 333-173.000.

Severinghaus, Nelson, Jr.; and Sharp, Gregory R., to Franklin Industries, Inc. Method of bleaching limestone. 4,824,653, 4-25-89, Cl. 423-430.000.

Severinsky, Alex J., to Viteq Corporation. AC to DC power converter with integrated line current control for improving power factor. 4,816,982, 3-28-89, Cl. 363-44.000.

Severinsson, Stefan A.; and Hasselskog, Karl J. O., to Telefonaktiebolaget L M Ericsson. Alignment means for a light source emitting invisible laser light. 4,850,694, 7-25-89, Cl. 356-153.000.

Severnak, Sherry A.: *See—*
  Kudzma, Linas V.; Spencer, H. Kenneth; and Severnak, Sherry A., 4,849,521, Cl. 546-209.000.

Severson, Asbjorn M.: *See—*
  Egli, Werner H.; and Severson, Asbjorn M., 4,848,158, Cl. 73-518.000.

Severson, Ervin L.: *See—*
  Graber, Joseph V.; and Severson, Ervin L., 4,848,112, Cl. 70-231.000.

Severson, Mark H., to Sundstrand Corporation. Ram air flow system for aircraft. 4,865,267, 9-12-89, Cl. 244-53.00B.

Seveso, Cesare; and Lucchini, Luigi, to Societa' Cavi Pirelli S.p.A. Optical fiber cable manufacturing apparatus. 4,805,392, 2-21-89, Cl. 57-6.000.

Seveso, Cesare: *See—*
  Marin, Carlo; and Seveso, Cesare, 4,803,309, Cl. 174-106.00R.

Sevick, Peter M. Fiber optic velocity sensor/flow meter. 4,825,7 5-2-89, Cl. 73-861.770.

Sevier, David C., to Saputo, Vincent; Saputo, Lorraine; Blaha, Charles; Orsino, Paul; and Accu-Lab, Inc., part interest to each. Method of treatment of waste streams of oil/water emulsions or solutions. 4,797,214, 1-10-89, Cl. 210-651.000.

Sevier, Jeff R. Load enclosing chain release. 4,887,946, 12-19-89, Cl. 410-32.000.

Sevigny, Albert R. Door mounted alarm assembly. 4,855,715, 8-8-89, Cl. 340-545.000.

Sevigny, Conrad. Waste liquid disposal apparatus. 4,823,428, 4-25-89, Cl. 15-302.000.

Seville, Jonathan P. K.: *See—*
  Clift, Roland; Seville, Jonathan P. K.; and Take, Andrew H. J., 4,829,838, Cl. 73-865.500.

Sevington, David. Skis. 4,838,571, 6-13-89, Cl. 280-608.000.

Sevrell, Gosta: *See—*
  Bergstrom, Anders; and Sevrell, Gosta, 4,796,746, Cl. 198-463.400.

Sevrin, Mireille: *See—*
  George, Pascal; Sevrin, Mireille; and Maloizel, Christian, 4,885,302, Cl. 514-307.000.

Sew-Eurodrive GmbH & Co.: *See—*
  Trumpler, Walter; and Schmidt, Josef, 4,860,167, Cl. 361-417.000.

Sew Simple Systems, Inc.: *See—*
  Brocklehurst, Charles E., 4,856,442, Cl. 112-147.000.
  Brocklehurst, Charles E., 4,856,444, Cl. 112-262.300.

Sewa, Shingo: *See—*
  Aizawa, Koichi; Sewa, Shingo; Mizushima, Kiyoshi; and Emoto, Minoru, 4,824,903, Cl. 524-772.000.

Seward, Barry, to Mars G.B. Limited. Beverage packages. 4,818,544, 4-4-89, Cl. 426-77.000.

Seward, Barry; and Pope, Kevin C., to Mars G.B. Limited. Beverage making cartridge. 4,886,674, 12-12-89, Cl. 426-79.000.

Seward, George: *See—*
  Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,832,463, Cl. 350-357.000.
  Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,876,628, Cl. 361-313.000.

Sewe, Kai-Udo: *See—*
  Wagner, Fritz; Syldatk, Christoph; Matulowic, Uwe; Hofmann, Hans-Jurgen; Sewe, Kai-Udo; and Lindorfer, Walter, 4,814,272, Cl. 435-74.000.

Sewell, Charles P. B.; Sewell, Michael J. B.; and Sewell, Margaret I. Wall securement system. 4,858,351, 8-22-89, Cl. 40-152.100.

Sewell, Graham P.: *See—*
  Schofield, Paul; and Sewell, Graham P., 4,889,437, Cl. 400-73.000.

Sewell, Jerry C. Decoy with anchor reel. 4,827,653, 5-9-89, Cl. 43-3.000.

Sewell, Margaret I.: *See—*
  Sewell, Charles P. B.; Sewell, Michael J. B.; and Sewell, Margaret I., 4,858,351, Cl. 40-152.100.

Sewell, Mark S. Ski edge tuner. 4,850,252, 7-25-89, Cl. 76-83.000.

Sewell, Mark S. Ski base flattener. 4,884,343, 12-5-89, Cl. 30-169.000.

Sewell, Michael J. B.: *See—*
  Sewell, Charles P. B.; Sewell, Michael J. B.; and Sewell, Margaret I., 4,858,351, Cl. 40-152.100.

Sewell Plastics, Inc.: *See—*
  Alberghini, Alfred C.; and Lynn, Stephen R., 4,804,097, Cl. 215-100.00A.
  Herron, Gene A.; Nickel, Gerhard F. B.; and Alberghini, Alfred C., 4,813,557, Cl. 215-329.000.

Sewell, Robert A.: *See—*
  Burgess, Michael J.; Clifford, David P.; and Sewell, Robert A., 4,795,746, Cl. 514-150.000.
  Burgess, Michael J.; Sewell, Robert A.; and Clifford, David P., 4,800,195, Cl. 514-150.000.

Sewell, Robert G. S.: *See—*
  Backman, Marvin E.; Finnegan, Stephen A.; Whitman, Kent G.; and Sewell, Robert G. S., 4,885,994, Cl. 102-473.000.

Sewell, Wesley C.: *See—*
  Callaghan, Stephen P.; Killpatrick, Joseph E.; and Sewell, Wesley C., 4,826,320, Cl. 356-350.000.
  Lundeen, Merle E.; and Sewell, Wesley C., 4,802,766, Cl. 356-350.000.

Sewer Rodding Equipment Company: *See—*
  Prange, Charles J., 4,838,302, Cl. 137-355.120.
  Prange, Charles J., 4,839,936, Cl. 15-104.330.
  Prange, Charles J., 4,878,517, Cl. 137-355.120.

Sewerin, Karin M.: *See—*
  Andersson, Lars-Olof; Forsman, Nanna; Larsen, Kerstin E. I.; Lundin, Annelie B.; Pavlu, Bohdan; Sandberg, Inga H.; and Sewerin, Karin M., 4,877,614, Cl. 424-101.000.

Sewing, Karlernst: *See—*
  Brodling, Gunter; Feyerabend, Franz; Hubert, Peter; Krahling, Franz; Peitz, Wolfgang; Sewing, Karlernst; and Schnelle, Diethard, 4,797,790, Cl. 362-61.000.

Sewon, Pentti K. Brine for conserving cucumber. 4,883,679, 11-28-89, Cl. 426-532.000.

Sexton Enterprises, Inc.: *See—*
  Sketo, James L., 4,822,012, Cl. 267-221.000.

Sexton, Hope: *See—*
  Strausser, Richard A., 4,874,084, Cl. 206-231.000.

Sexton, John M. Dual mode air purifier and method. 4,813,981, 3-21-89, Cl. 55-59.000.

Sexton, Richard W.: *See—*
  Goddard, David M.; and Sexton, Richard W., 4,831,707, Cl. 29-419.100.

Sexton, Rodney N.; Woolf, Floyd S.; and Ruud, Timothy W., to ICEE-USA Corporation. Rear seal assembly for a chamber holding a partially frozen beverage. 4,854,743, 8-8-89, Cl. 384-130.000.

Sexton, Rodney N.; and Woolf, Floyd S., to ICEE-USA Corporation. Torque transmission unit for partially frozen beverage system. 4,854,923, 8-8-89, Cl. 474-84.000.

Sexton, Rodney N.; Woolf, Floyd S.; and Ruud, Timothy W., to ICEE-USA Corporation. Partially frozen beverage dispensing system having a counter top unit. 4,869,072, 9-26-89, Cl. 62-136.000.

Seyam, Abdelfattah M.: *See—*
  Mann, Joe A.; Ambrosiani, Vincent J.; Wilder, Cynthia D.; and Seyam, Abdelfattah M., 4,807,303, Cl. 2-69.000.

Seybold, Guenther; and Stange, Andreas, to BASF Aktiengesellschaft. Fluorescent aryloxy-substituted perylene-3,4,9,10-tetracarboxylic acid diimides. 4,845,223, 7-4-89, Cl. 546-37.000.

Seybold, Werner: *See—*
  Gerstner, Richard; Look, Gunter; Seybold, Werner; and Steuer, Werner, 4,800,634, Cl. 29-159.300.

Seydel, Edgar R.: *See—*
  Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,849,142, Cl. 264-40.600.
  Panda, Prakash C.; Seydel, Edgar R.; and Raj, Rishi, 4,871,496, Cl. 264-65.000.

Seydel, Joachim K.; Pieper, Helmut; Kruger, Gerd; Noll, Klaus; Keck, Johannes; and Lechner, Uwe, to Dr. Karl Thomae GmbH. Substituted bis-(4-aminophenyl)-sulfones. 4,829,058, 5-9-89, Cl. 514-155.000.

Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, to Collagen Corporation. Polypeptide cartilage-inducing factors found in bone. 4,810,691, 3-7-89, Cl. 514-2.000.

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Seyedin, Saeid: *See—*
  Chu, George; Nathan, Ranga; and Seyedin, Saeid, 4,888,366, Cl. 523-115.000.
  Nathan, Ranga; Thompson, Andrea; and Seyedin, Saeid, 4,863,732, Cl. 424-95.000.

Seyerle, Carl E., to Outboard Marine Corporation. Operator presence control for self-propelled implements. 4,835,949, 6-6-89, Cl. 56-10.800.

Seyerle, Carl E.: *See—*
  Morse, Richard R.; and Seyerle, Carl E., 4,800,712, Cl. 56-202.000.

Seyfert, Wilfried: *See—*
  Lendle, Hubert; Panitz, Paul; Seyfert, Wilfried; and Stops, Peter, 4,810,798, Cl. 546-353.000.

Seyferth, Dietmar; Wood, Timothy G.; and Yu, Yuan-Fu, to Massachusetts Institute of Technology. Method for forming new preceramic polymers for SiC and Si_3N_4/SiC. 4,820,783, 4-11-89, Cl. 525-474.000.

Seyferth, Dietmar; and Rees, William S., Jr., to Massachusetts Institute of Technology. Lewis base adducts of decaborane for forming new preceramic polymers, using as binders, forming shaped bodies and forming fibers. 4,871,826, 10-3-89, Cl. 528-4.000.

Seyffart, Gunther; Rothe, Wolfgang; Bartz, Volker; and Bartz, Volker, to Fresenius AG. Dialysis solution for use in intraperitoneal dialysis. 4,879,280, 11-7-89, Cl. 514-53.000.

Seyffert, Arturo E.: *See—*
  Peters, John R.; Ramey, Max E.; Seyffert, Arturo E.; Canon, Jack L.; Robinson, Michael W.; and Abercrombie, William T., 4,869,555, Cl. 299-7.000.

Seyfried, Christoph: *See—*
  Bottcher, Henning; Hausberg, Hans-Heinrich; Seyfried, Christoph; and Minck, Klaus-Otto, 4,824,852, Cl. 514-290.000.
  Gottschlich, Rudolf; Bottcher, Henning; Hausberg, Hans-Heinrich; Minck, Klaus-Otto; and Seyfried, Christoph, 4,870,087, Cl. 514-336.000.

Seyfried, Ulrich: *See—*
  Hoffmann, Horst; Kersten, Peter; Volz, Hans; and Seyfried, Ulrich, 4,884,453, Cl. 73-776.000.

Seyler, Jay K.: *See—*
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  - Winkler, Otmar; Brandenstein, Manfred; and Hans, Rudiger, 4,822,008, Cl. 267-74.000.
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  - Gandolfi, Luciano; and Musumeci, Salvatore, 4,805,004, Cl. 357-53.000.
  - Gastaldi, Roberto; and Casagrande, Giulio, 4,847,811, Cl. 365-203.000.
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  - Gornati, Silvano; Viscardi, Roberto; and Coccetti, Silvano, 4,803,381, Cl. 307-228.000.
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  - Masina, Vittorio, 4,811,282, Cl. 364-900.000.
  - Mazzucco, Michelangelo; Poletto, Vanni; and Siligoni, Marco, 4,835,490, Cl. 330-285.000.
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  - Pasetti, Mauro; and Siligoni, Marco, 4,797,917, Cl. 379-253.000.
  - Poletto, Vanni, 4,843,253, Cl. 307-266.000.
  - Riva, Carlo, 4,823,316, Cl. 365-185.000.
  - Romano', Luigi, 4,887,149, Cl. 357-81.000.
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  - Stockinger, Josef, 4,890,012, Cl. 307-296.500.
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  - Johnson, Mark G.; and Taylor, Ronald T., 4,829,481, Cl. 365-200.000.
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  - O'Brien, George D., Jr., 4,802,124, Cl. 365-185.000.
  - Powell, Jon, 4,835,733, Cl. 364-900.000.
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  - Botti, Edoardo; and Torazzina, Aldo, 4,879,526, Cl. 330-295.000.
  - Chieli, Davide, 4,827,207, Cl. 323-316.000.
  - Colombo, Alessandro, 4,878,164, Cl. 363-49.000.
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  - Bergemont, Albert, 4,887,238, Cl. 365-185.000.
  - Botti, Edoardo, 4,814,723, Cl. 330-263.000.
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  - Blech, Ilan A.; Gerzberg, Levy; Shacham, Yosef Y.; Sinar, Alexander; and Sirkin, Eric R., 4,882,611, Cl. 357-51.000.
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  - Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.
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  - Chapman, Robert D.; Andreshak, John L.; and Shackelford, Scott A., 4,855,508, Cl. 568-589.000.
- Shackle, Dale R.: *See—*
  - Lee, Mei-Tsu; Shackle, Dale R.; and Schwab, Gerhart, 4,830,939, Cl. 429-192.000.
- Shacklette, Lawrence W.: *See—*
  - Jow, Taiguang R.; and Shacklette, Lawrence W., 4,804,594, Cl. 429-194.000.
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  - Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,813,248, Cl. 68-23.700.
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  - Farzhat, Wahib; Bellville, Dennis J.; and Shadrach, Richard L., 4,869,993, Cl. 430-143.000.
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  - Norton, Jeffrey M.; Paukovits, Edward J., Jr.; Rudy, William J., Jr.; and Shaffer, Howard R., 4,808,115, Cl. 439-79.000.
  - Rudy, William J., Jr.; Shaffer, Howard R.; and Stahl, Daniel E., 4,804,342, Cl. 439-467.000.
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  - Chriswell, Colin D.; Kaushik, Surender M.; Shah, Navin D.; and Markuszewski, Richard, 4,859,212, Cl. 44-622.000.
- Shah, Navinchandra B.: *See—*
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  - Doherty, James B.; Hagmann, William K.; Finke, Paul E.; and Shah, Shrenik K., 4,845,088, Cl. 514-202.000.
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  - Lewis, John R., Jr., 4,813,199, Cl. 52-98.000.
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  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
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Hayashi, Tatsushi; Yoshiura, Shoichiro; and Iwamoto, Ken-ichi, 4,805,001, Cl. 355-58.000.
Higashi, Kazutada; Tokuda, Masamori; Nakano, Hiroshi; and Ohta, Tomozo, 4,890,076, Cl. 332-170.000.
Higuchi, Masayuki, 4,823,323, Cl. 365-228.000.
Hikida, Nobuharu, 4,847,899, Cl. 379-413.000.
Hirata, Kengo; and Ishifuro, Katsumi, 4,857,686, Cl. 219-10.55B.
Honda, Iwakazu, 4,857,956, Cl. 355-234.000.
Honda, Iwakazu, 4,876,613, Cl. 358-471.000.
Hosoda, Masahiro; Sasaki, Kazuaki; Kondo, Masaki; and Yamamoto, Saburo, 4,860,299, Cl. 372-46.000.
Ibuchi, Yoshiaki, 4,843,427, Cl. 355-218.000.
Ii, Hiroshi; Koyanagi, Katsubumi; and Yasuda, Syuhei, 4,845,574, Cl. 360-51.000.
Imanaka, Yoshiaki; and Taniguchi, Hideaki, 4,804,609, Cl. 430-106.600.
Imaue, Yukihisa; Asanuma, Masato; and Takada, Kyoichi, 4,851,879, Cl. 355-274.000.
Inaba, Masakatsu, 4,873,553, Cl. 355-295.000.
Inoue, Yoshinobu, 4,866,537, Cl. 358-296.000.
Isaka, Kinishi; Kawaguchi, Masashi; and Uede, Hisashi, 4,818,913, Cl. 315-169.300.
Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Matsubara, Toshiyuki; and Terasaka, Teiji, 4,888,586, Cl. 340-825.050.
Ishifuro, Kathumi; and Hirata, Kengo, 4,831,225, Cl. 219-10.55B.
Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.
Ishikura, Takuro, 4,883,773, Cl. 437-207.000.
Itoh, Tetsuya; Iwai, Shougo; and Yoshikawa, Shizuo, 4,817,877, Cl. 241-34.000.
Iwai, Shougo, 4,815,670, Cl. 271-34.000.
Iwamura, Soichi; Suga, Mitsuhiro; and Itsumi, Tadashi, 4,868,815, Cl. 370-71.000.
Izumitani, Masayoshi; and Soga, Akihiro, 4,873,811, Cl. 53-138.00A.
Jinda, Akihito; Furubayashi, Hisatoshi; Hijikigawa, Masaya; and Tabuchi, Hiroki, 4,805,296, Cl. 29-620.000.
Juso, Hiromi; Nishida, Shuzo; Okuno, Keizo; and Minoda, Hidenori, 4,869,566, Cl. 350-96.200.
Kakihara, Yoshinobu, 4,834,809, Cl. 148-33.000.
Kakimoto, Seizo; Kudo, Jun; and Koba, Masayoshi, 4,855,014, Cl. 156-620.720.
Kamigaki, Koshi; and Katsube, Toshimichi, 4,808,990, Cl. 340-784.000.
Kamimura, Taisuke, 4,876,573, Cl. 355-250.000.
Kaminaka, Ikuyasu, 4,798,927, Cl. 219-10.55B.
Kaneiwa, Shinji; Takiguchi, Haruhisa; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,799,227, Cl. 372-46.000.
Kaneshige, Masatoshi, 4,821,063, Cl. 355-3.0DD.
Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.
Kataoka, Shoei; Yoshida, Masaru; and Nakajima, Shigeo, 4,857,920, Cl. 340-907.000.
Kato, Hiroaki; Tanaka, Hirohisa; and Funada, Fumiaki, 4,834,507, Cl. 350-339.00F.
Katoh, Itsuro; Taniguchi, Akihiko; and Honda, Yoshitaka, 4,821,062, Cl. 355-3.0FU.
Katoh, Masaaki; and Inoquchi, Tsukasa, 4,847,734, Cl. 362-32.000.
Katsurada, Morihiro, 4,811,412, Cl. 382-9.000.
Katsuta, Yuji; Kita, Sumio; Takano, Sakuharu; and Kamada, Hiroshi, 4,797,946, Cl. 382-61.000.
Katsuta, Yuji; Kita, Sumio; and Takano, Sakuharu, 4,829,453, Cl. 364-521.000.
Katsuta, Yuji; and Kamata, Hiroshi, 4,853,792, Cl. 358-455.000.
Kawahara, Masafumi, 4,882,575, Cl. 340-608.000.
Kawai, Shoichi; Konishi, Masayuki; and Katoh, Chieji, 4,884,254, Cl. 368-21.000.
Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, 4,829,531, Cl. 372-19.000.
Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, 4,879,725, Cl. 372-48.000.
Kawasaki, Hiroshi, 4,814,561, Cl. 200-517.000.
Kikuchi, Koji; Matsumi, Takatomo; and Takimoto, Kazutoshi, 4,803,854, Cl. 68-12.00R.
Kimura, Kozo, 4,843,378, Cl. 340-635.000.
Kimura, Shinichi, 4,886,955, Cl. 219-494.000.
Kinugawa, Seiichi, 4,841,635, Cl. 29-837.000.
Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiiba, Kengo; and Yoshikawa, Mitsuhiko, 4,803,581, Cl. 360-113.000.
Kira, Toru; Yamasaki, Hidenori; and Yoshikawa, Mitsuhiko, 4,816,946, Cl. 360-110.000.
Kitagawa, Masahiko; Tomomura, Yoshitaka; Yamaue, Satoshi; and Nakajima, Shigeo, 4,869,776, Cl. 156-610.000.
Koden, Mitsuhiro; Tanaka, Hirohisa; and Yano, Kohzo, 4,843,438, Cl. 357-04.000.
Koden, Mitsuhiro, 4,857,907, Cl. 340-784.000.
Koden, Mitsuhiro, 4,862,234, Cl. 357-23.700.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,797,759, Cl. 360-92.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,807,058, Cl. 360-60.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,809,098, Cl. 360-92.000.
Koizumi, Satoru, 4,815,675, Cl. 242-194.000.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,843,492, Cl. 360-74.100.
Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,879,613, Cl. 360-92.000.
Komai, Kensaku; and Imanishi, Yoshiaki, 4,829,429, Cl. 364-405.000.
Komatsu, Junichi; Fujikawa, Toshiaki; and Mizuno, Koji, 4,807,123, Cl. 364-200.000.
Komoda, Tomohisa; Ishizuka, Mamoru; Tsuchimoto, Shuhei; and Yoshikawa, Mitsuhiko, 4,824,539, Cl. 204-192.200.
Kotani, Matahira; Hayashi, Motohiko; and Ooi, Yoshikatsu, 4,797,748, Cl. 358-257.000.
Kotani, Matahira; Morimoto, Hiroshi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,809,080, Cl. 358-256.000.
Kotani, Matahira; Matsumoto, Masafumi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,827,355, Cl. 358-296.000.
Kotani, Matahira; Hayashi, Motohiko; and Yamanoue, Masafumi, 4,841,374, Cl. 358-280.000.
Kotani, Matahira, 4,847,891, Cl. 379-88.000.
Kozaki, Shyuichi; Ichimura, Yukiko; and Narutako, Yoko, 4,856,875, Cl. 350-341.000.
Kudo, Hiroaki; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Yoshida, Toshihiko, 4,805,183, Cl. 372-96.000.
Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,860,206, Cl. 364-419.000.
Kurata, Yukio; Sato, Hideaki; Nakata, Yasuo; Ogata, Nobuo; and Inoue, Teruaki, 4,849,825, Cl. 358-296.000.
Kurokawa, Yasuyoshi, 4,840,505, Cl. 400-697.100.
Kurosaki, Hiroshi, 4,851,885, Cl. 355-308.000.
Maehara, Shigeharu, 4,811,054, Cl. 355-40.000.
Masuda, Zitsuo; Kinashi, Hiroshi; Tsujimoto, Yoshiharu; and Hirai, Masashi, 4,847,652, Cl. 355-274.000.
Matsuda, Hideo; and Hiraoka, Shinitiro, 4,838,537, Cl. 271-277.000.
Matsuda, Tuyoshi; Tamiya, Toru; and Fujisawa, Akihiro, 4,852,032, Cl. 364-708.000.
Matsuhashi, Nobuaki; Takeda, Makoto; and Take, Hiroshi, 4,830,466, Cl. 350-333.000.
Matsuhashi, Nobuaki; Takeda, Makoto; Yamamoto, Kunihiko; and Take, Hiroshi, 4,845,473, Cl. 340-784.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Kawanishi, Hidenori, 4,811,351, Cl. 372-50.000.
Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Taneya, Mototaka, 4,847,847, Cl. 372-50.000.
Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Yamaguchi, Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, 4,853,936, Cl. 372-45.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,856,015, Cl. 372-50.000.
Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hosoba, Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, 4,872,174, Cl. 372-45.000.
Matsumoto, Mitsuhiro; Matsui, Sadayoshi; and Taneya, Mototaka, 4,815,088, Cl. 372-46.000.
Matsuura, Syuuji, 4,849,721, Cl. 333-174.000.
Matsuyama, Toshiro; Kojima, Yoshimi; and Ehara, Shaw, 4,851,256, Cl. 427-39.000.
Migita, Haruyoshi; and Anzai, Shunju, 4,870,457, Cl. 355-208.000.
Minami, Hisashi; Matsuda, Hideo; Shimazawa, Yoichi; and Hiraoka, Shinitiro, 4,843,433, Cl. 355-49.000.

Minami, Hisashi; Deguchi, Toshihisa; Nomura, Masaru; and Hyuga, Takao, 4,864,125, Cl. 250-231.0SE.
Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,574, Cl. 160-168.100.
Mitarai, Akira; and Yamamoto, Hachizou, 4,879,548, Cl. 340-712.000.
Mitsuyama, Akira; Yamagishi, Toshio; and Deguchi, Masanobu, 4,796,063, Cl. 355-133.000.
Miyaji, Takashi, 4,845,523, Cl. 355-211.000.
Miyaji, Takashi, 4,887,911, Cl. 366-316.000.
Miyakoshi, Kazumitsu; and Nakaya, Mitsuyoshi, 4,812,815, Cl. 455-612.000.
Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,522, Cl. 364-900.000.
Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,987, Cl. 364-419.000.
Miyatake, Shigehiro, 4,851,890, Cl. 357-24.000.
Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, 4,817,109, Cl. 372-92.000.
Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, 4,860,305, Cl. 372-92.000.
Mizote, Hiroshi, 4,849,616, Cl. 235-449.000.
Mizukami, Toshiaki, 4,883,989, Cl. 307-448.000.
Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000
Morimoto, Kenichi; and Tagawa, Takao, 4,855,818, Cl. 358-75.000.
Morimoto, Kenichi; and Fujihara, Akiyoshi, 4,868,601, Cl. 355-208.000.
Morimoto, Taiji; Taneya, Mototaka; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,819,245, Cl. 372-48.000.
Morimoto, Taiji, Hosoba, Hiroyuki; Matsumoto, Mitsuhiro; Taneya, Mototaka; and Matsui, Sadayoshi, 4,878,223, Cl. 372-50.000.
Morino, Masuaki; Fujikawa, Yoshiyuki; Haneda, Isamu; and Myoi, Tetsuo, 4,805,136, Cl. 364-900.000.
Moriyama, Hiroshi, 4,821,967, Cl. 241-37.500.
Murakami, Susumu, 4,849,796, Cl. 355-206.000.
Murata, Kazuhisa, 4,851,824, Cl. 340-701.000.
Murata, Mitshiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,853,750, Cl. 355-75.000.
Murata, Mitsuhiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,844,445, Cl. 271-275.000
Murata, Tetsuo, 4,824,211, Cl. 350-332.000.
Nagano, Fumikazu; and Tanaka, Seiichi, 4,809,083, Cl. 358-287.000.
Nagano, Fumikazu, 4,845,531, Cl. 355-38.000.
Nagasawa, Tamami; and Fukunaga, Takahiro, 4,884,108, Cl. 355-234.000.
Nakade, Toshimitsu; Kuki, Masaru; and Uno, Takaaki, 4,847,751, Cl. 364-200.000.
Nakagawa, Kenichi; Tsubota, Kojiro; and Yamamoto, Kunihiko, 4,870,486, Cl. 358-92.000.
Nakamoto, Takehiro, 4,848,716, Cl. 248-553.000.
Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.
Nakamura, Makio, 4,837,524, Cl. 330-286.000.
Nakamura, Makio, 4,851,797, Cl. 333-134.000.
Nakamura, Masatsugu; and Itoh, Ikuo, 4,843,423, Cl. 355-245.000.
Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,814,237, Cl. 428-690.000.
Nakamura, Noriaki; Kawaguchi, Masashi; and Sonoyama, Yasuo, 4,855,641, Cl. 313-505.000.
Nakamura, Tadashi; Kitabatake, Yaosuo; Takahashi, Yoshiaki; and Maeda, Kazuya, 4,859,560, Cl. 430-137.000.
Nakamura, Yasuhide; and Yamamura, Sigeyuki, 4,887,210, Cl. 364-405.000.
Nakanishi, Takao, 4,801,279, Cl. 439-877.000.
Nakanishi, Yasuhiro; Ikemoto, Yutaka; and Suzuki, Takashi, 4,833,689, Cl. 374-170.000.
Nakatani, Hiroshi; Kawaguchi, Hisao; and Nakabu, Shigeo, 4,862,153, Cl. 340-719.000.
Naoi, Akira; and Yamamoto, Yuichi, 4,814,911, Cl. 360-85.000
Narukawa, Atsushi; and Nishiyama, Haruo, 4,823,165, Cl. 355-75.000.
Nishijima, Masaru; Yamagishi, Toshio; and Deguchi, Masanobu, 4,814,817, Cl. 355-3.00R.
Nishijima, Masaru; and Soga, Akihiro, 4,881,102, Cl. 355-243.000.
Nishijima, Nobuyuki; Kominato, Kazunori; and Matsuda, Hiroaki, 4,808,800, Cl. 235-58.0CF.
Nishimura, Toshio; and Fukusaki, Megumi, 4,833,632, Cl. 364-709.040.
Nishimura, Yasunori, 4,800,282, Cl. 250-461.100.
Nomura, Masaru; Deguchi, Toshihisa; and Terashima, Shigeo, 4,849,953, Cl. 369-46.000.
Oba, Toshiro; Kuno, Michiaki; Akizuki, Noboru; and Inamori, Yoshimitsu, 4,866,650, Cl. 364-736.000.
Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.
Ogura, Mitsuru; Yoshida, Takeshi; and Yoshiura, Shoichiro, 4,803,512, Cl. 355-3.0CH.
Ogura, Mitsuru; and Tsukamoto, Kimihide, 4,876,577, Cl. 355-315.000.
Ohashi, Keiichi; Umehara, Hiroshi; and Nagahashi, Hajime, 4,866,550, Cl. 360-94.000.
Ohashi, Masakazu; Horiguchi, Michiyuki; and Matsui, Yoshimitsu, 4,866,705, Cl. 370-85.200.
Ohba, Toshihiro; Kinoshita, Hiroshi; Kanatani, Yoshiharu; and Uede, Hisashi, 4,801,920, Cl. 340-781.000.
Ohhara, Soji; Nishigaki, Satoshi; Tsuchimoto, Shuhei; and Kita, Ryusuke, 4,828,876, Cl. 427-76.000.
Ohnishi, Akira, 4,833,286, Cl. 219-10.55F.
Ohnishi, Kazuyuki; Okuda, Masakiyo; and Mori, Yoshiteru, 4,831,412, Cl. 355-233.000.
Ohnishi, Kazuyuki; Mori, Yoshiteru; and Okuda, Masakiyo, 4,875,072, Cl. 355-23.000.
Ohnishi, Souichi; Toda, Tadahiro; Komai, Kensaku; and Sugihara, Masuo, 4,807,186, Cl. 364-900.000.
Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.
Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, 4,839,251, Cl. 430-5.000.
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.
Okamoto, Kazuhiko; and Kanayama, Akira, 4,872,139, Cl. 365-52.000.
Okamoto, Yuji; and Fujiwara, Katsuyoshi, 4,816,872, Cl. 355-23.000.
Okamoto, Yuji; Maehara, Shigeharu; and Fujiwara, Katsuyoshi, 4,853,748, Cl. 355-55.000.
Okamoto, Yuji, 4,855,785, Cl. 355-218.000.
Okazaki, Masanori, 4,843,635, Cl. 455-151.000.
Omori, Takuro; and Yanagiuchi, Shigenobu, 4,873,628, Cl. 364-200.000.
Oogita, Yoshinori, 4,804,828, Cl. 235-1.00D.
Oogita, Yoshinori, 4,806,745, Cl. 235-492.000.
Oogita, Yoshinori; and Shino, Katsuhide, 4,882,477, Cl. 235-488.000.
Oya, Yuichiro, 4,888,460, Cl. 219-10.55R.
Ozawa, Kazuhito, 4,814,040, Cl. 156-634.000.
Rai, Akiteru; Yamamura, Keiji; and Nukii, Takashi, 4,818,728, Cl. 437-209.000.
Sakamoto, Atsushi; Harada, Shigeyuki; and Ohba, Toshihiro, 4,823,121, Cl. 340-781.000.
Sakamoto, Hideo; and Tsugita, Hiroshi, 4,875,002, Cl. 324-73.00R.
Sasaki, Hiromu, 4,803,522, Cl. 355-26.000.
Satoh, Masaharu; and Hashimoto, Sadakatsu, 4,870,570, Cl. 364-200.000.
Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.
Shino, Katsuhide, 4,825,283, Cl. 357-74.000.
Shino, Katsuhide, 4,843,223, Cl. 235-487.000.
Shioji, Mitsuaki, 4,878,739, Cl. 350-336.000.
Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,988, Cl. 364-419.000.
Shiraishi, Tomikatsu; and Fujiwara, Mitsuru, 4,812,837, Cl. 340-784.000.
Shirakoshi, Hiroshi; Kotani, Matahira; Matsumoto, Masafumi; and Morimoto, Hiroshi, 4,839,730, Cl. 358-294.000.
Shoji, Kazuo; Fujioka, Yosihide; Harada, Shigeyuki; and Ohba, Toshihiro, 4,888,523, Cl. 315-169.300.
Sugihara, Takashi; and Hijikigawa, Masaya, 4,889,561, Cl. 106-196.000.
Sugimoto, Sabio, 4,815,722, Cl. 271-3.100.
Sugimoto, Yuji; Tsuji, Masaru; and Yoshiura, Shoichiro, 4,802,439, Cl. 118-116.000.
Sugimura, Hiroshi; Imada, Eiji; Kojima, Yoshimi; and Tsuchimoto, Shuhei, 4,883,733, Cl. 430-54.000.
Sugishima, Yasuo, 4,887,209, Cl. 364-405.000.
Sumikama, Yoshimitsu; and Aramaki, Yoshihiro, 4,824,061, Cl. 248-225.200.
Sumitani, Toshihiko; and Natsuhara, Akira, 4,811,257, Cl. 364-709.010.
Suyama, Takahiro; Takahashi, Kohsei; Yamamoto, Saburo; Hayakawa, Toshiro; and Kondo, Masafumi, 4,807,235, Cl. 372-19.000.
Suyama, Takahiro; Hayakawa, Toshiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,835,783, Cl. 372-46.000.
Suyama, Takahiro; Takahashi, Kosei; Kondo, Masafumi; and Hayakawa, Toshiro, 4,862,470, Cl. 372-45.000.
Tagami, Tomoyuki, 4,847,810, Cl. 365-200.000.
Tagawa, Takao; Nukushina, Etsuzi; and Nakai, Yoshiyuki, 4,835,571, Cl. 355-225.000.
Taguchi, Toshimichi, 4,803,308, Cl. 174-68.500.

Tajima, Yoshimitsu; Mohri, Motoo; and Tanaka, Hideaki, 4,835,075, Cl. 429-194.000.
Takada, Hiroshi, 4,887,251, Cl. 368-21.000.
Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, 4,858,212, Cl. 369-13.000.
Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
Takamatsu, Toshiaki, 4,877,309, Cl. 350-337.000.
Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,799,057, Cl. 340-811.000.
Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,825,203, Cl. 340-784.000.
Takemura, Shigekazu, 4,842,531, Cl. 439-165.000.
Takeuji, Koichi; and Furusawa, Takashi, 4,812,617, Cl. 219-10.55R.
Takeuji, Koichi, 4,868,362, Cl. 219-10.55R.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,803,690, Cl. 372-45.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,819,240, Cl. 372-26.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,842,679, Cl. 156-643.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Yoshida, Toshihiko, 4,852,116, Cl. 372-96.000.
Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sakane, Chitose; and Yoshida, Toshihiko, 4,862,472, Cl. 372-45.000.
Tanabe, Tunehiko; and Kawada, Fumiyoshi, 4,824,397, Cl. 439-496.000.
Tanaka, Hideaki; Katurada, Morihiro; and Konya, Minehiro, 4,847,912, Cl. 382-9.000.
Tanaka, Hironori; Matsumoto, Masafumi; and Kotani, Matahira, 4,843,903, Cl. 74-354.000.
Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,844,437, Cl. 271-124.000.
Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, 4,868,919, Cl. 355-27.000.
Tanaka, Hironori; and Shirakoshi, Hiroshi, 4,887,806, Cl. 271-121.000.
Tanaka, Junichi; and Hijikigawa, Masaya, 4,816,888, Cl. 357-25.000.
Tanaka, Kenichi, 4,803,662, Cl. 365-185.000.
Tanaka, Nobuo; Tominaga, Satoshi; Okada, Hisao; and Yoshida, Toshihiko, 4,813,069, Cl. 379-82.000.
Tanaka, Nobuyuki; Inami, Yasuhiko; Hijikigawa, Masaya; and Kataoka, Shoei, 4,885,937, Cl. 73-189.000.
Tanaka, Seiji; and Nakagawa, Hideshi, 4,853,519, Cl. 219-497.000.
Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, 4,837,689, Cl. 364-419.000.
Taneya, Mototaka; Matsui, Sadayoshi; and Matsumoto, Mitsuhiro, 4,799,225, Cl. 372-44.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; Kawanishi, Hidenori; and Matsui, Sadayoshi, 4,813,051, Cl. 372-150.000.
Taneya, Mototaka; Yano, Seiki; Matsui, Sadayoshi; and Matsumoto, Mitsuhiro, 4,817,104, Cl. 372-50.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, Sadayoshi, 4,823,353, Cl. 372-50.000.
Taneya, Mototaka; Matsumoto, Mitsuhiro; and Matsui, Sadayoshi, 4,870,651, Cl. 372-50.000.
Taneya, Mototaka; Takahashi, Kosei; Hayakawa, Toshiro; Matsui, Sadayoshi; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,890,293, Cl. 372-46.000.
Tanigawa, Masanobu, 4,839,486, Cl. 219-10.55R.
Taniguchi, Akihiko; and Nakanishi, Yasushi, 4,860,051, Cl. 250-231.0SE.
Taniguchi, Hideaki; Moriyama, Koichi; Kawasaki, Osamu; and Iwamoto, Ken-ichi, 4,796,049, Cl. 355-3.0FU.
Taniguchi, Koki, 4,799,771, Cl. 350-334.000.
Taniguchi, Kouki, 4,824,212, Cl. 350-333.000.
Tanka, Hideaki; Katsurada, Morihiro; and Konya, Minehiro, 4,860,376, Cl. 382-57.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.
Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
Toda, Tadahiro; Ohnishi, Souichi; Komai, Kensaku; and Sugihara, Masuo, 4,851,994, Cl. 364-200.000.
Touji, Ryozo; and Ohnishi, Souichi, 4,811,219, Cl. 364-405.000.
Tsugei, Shinji; Iguchi, Shigeki; and Inoue, Tomohiro, 4,890,258, Cl. 364-900.000.
Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.
Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.
Tsuji, Masaru, 4,840,300, Cl. 226-187.000.
Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, 4,827,306, Cl. 355-3.0CH.
Tsujioka, Hiroshi; Yoneda, Shigeo; and Yatsuzuka, Yasuhumi, 4,887,227, Cl. 364-519.000.
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Wada, Yoshihiro; and Fujii, Ryoichi, 4,812,835, Cl. 340-756.000.
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Yamamoto, Kunihiko; Ishii, Yutaka; and Take, Hiroshi, 4,801,933, Cl. 340-784.000.
Yamamoto, Osamu; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,803,695, Cl. 372-92.000.
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Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,811,350, Cl. 372-43.000.
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Yamamoto, Saburo; Hayashi, Hiroshi; and Morimoto, Taj 4,819,244, Cl. 372-46.000.
Yamamoto, Saburo, 4,868,838, Cl. 372-46.000.
Yamamoto, Yoichi; Fujii, Hironori; and Oichi, Toshio, 4,824,822 Cl. 503-201.000.
Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koj and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.
Yamamura, Sigeyuki; and Nakamura, Yasuhide, 4,853,853, Cl. 364-405.000.
Yamane, Hidenobu, 4,811,686, Cl. 118-657.000.
Yamasaki, Kimihito; and Anzai, Shunju, 4,851,925, Cl. 358-296.000
Yamawaki, Chiaki; Sasada, Taizo; Iwaki, Tetsuo; and Koyama, Katsubumi, 4,812,987, Cl. 364-724.010.
Yanaru, Hirofumi; and Maruido, Hiroki, 4,843,593, Cl. 364-900.000
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Yasuda, Shuhei; and Takafuji, Yutaka, 4,842,371, Cl. 350-333.000
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Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro 4,885,766, Cl. 379-105.000.
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Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,839,900, Cl. 372-46.000.
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Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000
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  Lagerwall, Sven T.; Andersson, Gunnar; Dahl, Ingolf; Kuczynski, Wojciech; Sharp, Kent; and Stebler, Bengt, 4,838,663, Cl. 350-350.00S.

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  Spaderna, Dieter W.; and Miller, Jeffrey L., 4,875,196, Cl. 365-238.000.
Sharp, Owen, to Intel Corporation. Integrated circuit dual port static memory cell. 4,823,314, 4-18-89, Cl. 365-51.000.
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  Evans, David A.; Flick, Christopher E.; and Sharp, William R., 4,818,699, Cl. 435-240.490.
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Sharpe-Geisler, Bradley A.: *See—*
  Harrop, David; Sharpe-Geisler, Bradley A.; and Sharpe-Geisler, Valli R., 4,855,711, Cl. 340-323.00R.
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  Wacker, Robert L.; Shuster, Donald E.; Sharpless, John; Knobbe, Alan J.; and Murphy, James C., 4,887,770, Cl. 239-703.000.
Sharpless, K. Barry: *See—*
  Marko, Istvan E.; and Sharpless, K. Barry, 4,871,855, Cl. 546-134.000.
Sharps, Gordon V., Jr.; and St. Phillips, Eric A., to Mobil Oil Corporation. Seal bar including clamped seal element. 4,872,942, 10-10-89, Cl. 156-515.000.
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  D'Annunzio, Lynne M.; St. Phillips, Eric A.; and Sharps, Gordon V., Jr., 4,834,924, Cl. 264-40.300.
  Ragusa, James J.; and Sharps, Gordon V., Jr., 4,859,822, Cl. 219-10.55E.
Sharrah, Raymond L., to Streamlight, Inc. Micro-flashlight. 4,888,670, 12-19-89, Cl. 362-205.000.
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  Gould, Charles M., 4,817,656, Cl. 137-2.000.
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  Scott, John C.; and Shattuck, Meredith D., 4,874,682, Cl. 430-59.000.
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Shaw, Howard C., Jr. Insertion-removal monitor/control for seal carrier manufacture. 4,817,255, 4-4-89, Cl. 29-33.00R.

Shaw, Howard H.: *See—*

Kopatz, Nelson E.; Johnson, Walter A.; Vanderpool, Jack E.; and Shaw, Howard H., 4,885,028, Cl. 75-0.5BB.

Shaw, Hugh M. Fluidic devices. 4,830,053, 5-16-89, Cl. 137-808.000.

Shaw, Jack R. Channel means for use in conjunction with building footing. 4,837,991, 6-13-89, Cl. 52-98.000.

Shaw, James D., to Eastman Kodak Company. Slide holder and tip locator. 4,797,257, 1-10-89, Cl. 422-65.000.

Shaw, James D.; and Tuszynski, Michael P., to Eastman Kodak Company. Adaptors for use with various containers bearing bar code labeling. 4,805,772, 2-21-89, Cl. 206-443.000.

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Shaw, James E., to Phillips Petroleum Company. Hydrotreating process and catalyst. 4,810,364, 3-7-89, Cl. 208-254.00H.

Shaw, James J.; and Sharma, Shri C., to Warner-Lambert Company. Ingestible aggregate and delivery system prepared therefrom. 4,818,539, 4-4-89, Cl. 424-441.000.

Shaw, James J.; and Sharma, Shri C., to Warner-Lambert Company. Ingestible aggregate and delivery system prepared therefrom. 4,843,098, 6-27-89, Cl. 514-778.000.

Shaw, James J.; and Sharma, Shri C., to Warner-Lambert Company. Ingestible aggregate and delivery system prepared therefrom. 4,851,392, 7-25-89, Cl. 514-53.000.

Shaw, James J.; and Bunick, Frank J., to Warner-Lambert Company. Sugarless pectin delivery system. 4,857,331, 8-15-89, Cl. 424-440.000.

Shaw, James J.: *See—*

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Sharma, Shri C.; Yang, Robert K.; and Shaw, James J., 4,804,548, Cl. 426-96.000.

Sharma, Shri C.; Yang, Robert K.; and Shaw, James J., 4,828,857, Cl. 426-285.000.

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Yang, Robert K.; Sharma, Shri C.; Sheu, Shan-Shan; and Shaw, James J., 4,882,157, Cl. 424-440.000.

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Yang, Robert K.; Sharma, Shri C.; Sheu, Shan-Shan; and Shaw, James J., 4,882,160, Cl. 424-440.000.

Shaw, James L., to Weslo, Inc. Trampoline suspension system. 4,863,156, 9-5-89, Cl. 272-65.000.

Shaw, Jane; and Gale, Robert M., to Alza Corporation. Method for treating ischemic conditions. 4,846,826, 7-11-89, Cl. 604-890.100.

Shaw, Jimmie; and Brooker, Charles R., to Kartridg Pak Co., The. Meat separating means and method 4,824,027, 4-25-89, Cl. 241-24.000.

Shaw, John B. Washing water dispersion assembly for a dishwasher. 4,804,006, 2-14-89, Cl. 134-177.000.

Shaw, John E. A.; and Webb, Brian C., to Thorn EMI PLC. Ionic conductivity accelerometer. 4,879,904, 11-14-89, Cl. 73-517.00R.

Shaw, John J.: *See—*

Gassner, Robert H.; and Shaw, John J., 4,794,979, Cl. 164-495.000.

Shaw, Laurence J. Swinging bob toy. 4,878,868, 11-7-89, Cl. 446-75.000.

Shaw, Lockburn S.: *See—*

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Shaw, Michael W. Decorative wall hanging. 4,816,302, 3-28-89, Cl. 428-33.000.

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Shaw, Paul V., to Shell Oil Company. Preparation of bisphenols. 4,859,803, 8-22-89, Cl. 568-727.000.

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Shaw, Richard G.: *See—*

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Shaw, Richard J., to Better Health Concepts Co Inc. Apparatus for manufacture of end brush. 4,884,849, 12-5-89, Cl. 300-4.000.

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Shaw, Robert F.; and Eggers, Philip E. Abherent surgical instrument and method. 4,848,337, 7-13-89, Cl. 128-303.100.

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Shaw, Robert W., Jr.: *See—*

Austin, Thomas F.; Donadio, Frank L., Jr.; Rudolph, David F.; and Shaw, Robert W., Jr., 4,887,475, Cl. 73-866.000.

Shaw, Roland J., to Titan Mining & Engineering PTY. LTD. Deformed bar for adhesion and applying tension. 4,856,952, 8-15-89, Cl. 411-413.000.

Shaw, Rudy L.; Tsui, James B. Y.; and Hedge, James N., Jr., to United States of America, Air Force. PSK detection using an IFM receiver. 4,860,318, 8-22-89, Cl. 375-82.000.

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Slavsky, Robert J., Sr., 4,882,862, Cl. 40-324.000.

Shaw, Stephen H., to Magnetic Peripherals Inc. Read/write head with side winding slot. 4,870,520, 9-26-89, Cl. 360-103.000.

Shaw, Steven; and Weiss, Elmar, to Dr. Ing H.c.F. Porsche Aktiengesellschaft. Brake arrangement. 4,875,556, 10-24-89, Cl. 188-72.40

Shaw, Terrance. Music teaching device. 4,887,507, 12-19-89, Cl. 84-474.000.

Shaw, Vincent P.: *See—*

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Shaw-Walker Company: *See—*

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Shaw, William H. Modular shock-absorbing shipping pack. 4,836,7 6-6-89, Cl. 206-523.000.

Shawen, Harley J.: *See—*

Placke, Dale L.; Shawen, Harley J.; Howett, Harry L.; and Adelberger, Donald L., 4,850,657, Cl. 312-213.000.

Shawl, Edward T.; and Kesling, Haven S., Jr., to Arco Chemical Technology, Inc. Process for the preparation of aromatic mono- and polyisocyanates. 4,871,871, 10-3-89, Cl. 560-344.000.

Shawl, Edward T.; and Kesling, Haven S., Jr., to Arco Chemical Technology, Inc. Process for the preparation of methylene diphenylene diisocyanates and polymethylene polyphenylene poly (diisocyanates). 4,873,364, 10-10-89, Cl. 560-344.000.

Shawi, Edward T.; Kesling, Haven S., Jr.; and Liotta, Frank J., Jr., to Arco Chemical Technology, Inc. Process for the preparation of aromatic isocyanates from dialkyl ureas using an organic sulfonic acid promoter. 4,883,908, 11-28-89, Cl. 560-344.000.

Shay, Gregory D.; Kravitz, Fran K.; Brizgys, Peter V.; and Kersten, Mark A., to DeSoto, Inc. Production of alkali-soluble, carboxyl-functional aqueous emulsion thickeners. 4,801,671, 1-31-89, Cl. 526-214.000.

Shay, Timothy W., to Emhart Industries, Inc. Container inspection apparatus having each output demodulated at a specific source frequency. 4,865,447, 9-12-89, Cl. 356-240.000.

Shay, Timothy W.: *See—*

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Shaya, Mousa N.: *See—*

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Wang, Jyh-Yun; and Shaya, Mousa N., 4,838,278, Cl. 128-697.000.

Shchamorov, Shlomo; and Schnapp, Aharon, to Mercaz Haargazim Ltd. Collapsible plastic container. 4,820,383, 4-11-89, Cl. 220-6.000.

Shea, Allan K.: *See—*

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Shea, Amy L.: *See—*

Cosentino, Patrick A.; Shea, Amy L.; Haefner, Michael E.; Ziegler, Douglas V.; Murphy, Thomas E.; and Bubie, Walter C., 4,866,638, Cl. 364-521.000.

Shea, Cyril E., Jr. Orthopaedic appliance. 4,862,881, 9-5-89, Cl. 128-92.00V.

Shea, Dennis G.: *See—*

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Shea, George B.: *See—*

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Shea, John J., to Richards Medical Company. Irrigated drill and quick-release chuck assembly. 4,802,852, 2-7-89, Cl. 433-127.000.

Shea, Leslie. Pneumothorax treatment device. 4,813,941, 3-21-89, Cl. 604-247.000.

Shea, Robert F., to McNeil (Ohio) Corporation. Console for holding and housing cleaning and lubrication equipment. 4,880,144, 11-14-89, Cl. 222-173.000.

Shea, Robert H.: *See—*

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Shea, Stephen F.: *See—*

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Shea, Timothy J.; Campbell, John R.; White, Dwain M.; and Socha, Laura A., to General Electric Company. Silicone-polyarylene ether block copolymers, and method for making. 4,814,392, 3-21-89, Cl. 525-391.000.

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Sheaffer, Benjamin L.: *See—*

Hesterberg, William G.; Donahue, Raymond J.; and Sheaffer, Benjamin L., 4,821,694, Cl. 123-195.00R.

Sheahan, Michael H.: *See—*

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Redmond, John P.; Sheak, Ray N.; Shirk, Albert; and Cracraft, Larry A., 4,820,170, Cl. 439-66.000.

Shear, Victor H., to Personal Library Software, Inc. Database usage metering and protection system and method. 4,827,508, 5-2-89, Cl. 380-4.000.

Sheard, William G.: *See—*

Ficker, Harold K.; and Sheard, William G., 4,882,380, Cl. 525-53.000.

Shearer, Dwayne M.; Beetham, Richard C.; Beall, Frank C.; and Rodgers, John M., to Weyerhaeuser Company. Bond strength measurement of composite panel products. 4,856,334, 8-15-89, Cl. 73-588.000.

Shearer, Gerald; Lofgren, Karl M.; and Ouyang, Kenneth W., to Western Digital Corporation. Variable frequency system having linear combination of charge pump and voltage controlled oscillator. 4,871,979, 10-3-89, Cl. 330-253.000.

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McGrady, Michael B.; Huber, James M.; Herndon, Gerald F.; Sielaff, Stephen F.; and Shearer, Jerry T., 4,826,247, Cl. 297-314.000.

Shearer, Marcia C.: *See—*

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Shearin, Thayer L., to ITT Gilfillan, a division of ITT Corporation. High availability solid state modulator for microwave cross-field amplifiers. 4,827,267, 5-2-89, Cl. 342-201.000.

Shearing, Steven P. Intraocular lens. 4,834,754, 5-30-89, Cl. 623-6.000.

Shebini, Nader O., to Babcock & Wilcox Company, The. Automated design of structures using a finite element database. 4,858,146, 8-15-89, Cl. 364-512.000.

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Shedd, William D.; and Stotesbury, Gregory S., to Aftco Mfg. Co., Inc. Rod extension and method of using the extension in deep-sea fishing. 4,887,375, 12-19-89, Cl. 43-21.200.

Sheehan, Kathleen, to Chesebrough-Pond's, Inc. Water based lip color comprising an alkali soluble film-forming agent. 4,795,631, 1-3-89, Cl. 424-64.000.

Sheehan, Larry A.; and James, John R., to Bo-James Co., Inc. Fishing lure. 4,887,378, 12-19-89, Cl. 43-42.250.

Sheehan, Maurice J. Safety device. 4,827,649, 5-9-89, Cl. 42-70.110.

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Sheehan, Michael T.; and Shah, Bakulesh N., to Hoechst Celanese Corporation. Hot melt adhesives containing poly(p-hydroxystyrene) homopolymers and copolymers and bonding methods employing same. 4,880,487, 11-14-89, Cl. 156-327.000.

Sheehan, Richard W., to World Tech Fibres, Inc. Method for splicing lengths of fiber tow. 4,803,762, 2-14-89, Cl. 28-104.000.

Sheehan, Robert K.; and Smester, Paul R., to Corecon Corporation. Electrical apparatus to be directly coupled to sheathed cable and to wall structures. 4,861,279, 8-29-89, Cl. 439-412.000.

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Sheehan, Teddy J. Miniature vortex generating apparatus. 4,831,757, 5-23-89, Cl. 40-406.000.

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Pauza, William V.; and Sheesley, Wilmer L., 4,861,28, Cl. 439-580.000.

Sheets, John H. Intraocular lens. 4,813,953, 3-21-89, Cl. 623-6.000.

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Sheetz, Nicholas J., to Pennwalt Corporation. Etchant for aluminum containing surfaces and method. 4,888,090, 12-19-89, Cl. 156-665.000.

Shefer, Ruth; Klinkowstein, Robert E.; and Petrasso, Richard, to Science Research Laboratory, Inc. Apparatus for performing dual energy medical imaging. 4,887,604, 12-19-89, Cl. 128-654.000.

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Sheffield, James, to Izon Industries Inc. Multiple sprew bar stack mold. 4,884,962, 12-5-89, Cl. 425-234.000.

Sheffield, Robert D. Tub and shower floor heat exchanger. 4,821,793, 4-18-89, Cl. 165-47.000.

Sheffield, Warren D.; and diZerega, Gere S., to Ethicon, Inc. Method for inhibiting post-surgical adhesion formation by the topical administration of tissue plasminogen activator. 4,889,722, 12-26-89, Cl. 424-450.000.

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Sheikh, Morris. Apparaus for reduction of COD in water. 4,840,731, 6-20-89, Cl. 210-200.000.

Sheiman, David M. Thin plate prism and stereoscopic system. 4,871,233, 10-3-89, Cl. 350-286.000.

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- Sheiman, Samuel R.; and Sheiman, Julius, to Crest Lock Co. Inc. Top-change combination lock. 4,831,860, 5-23-89, Cl. 70-312.000.
- Sheinberg, Haskell; Meek, Thomas T.; and Blake, Rodger D., to United States of America, Energy. Dispersion strengthened copper. 4,857,266, 8-15-89, Cl. 419-22.000.
- Sheinkop, Isac; and Varrasso, Eugene C., to Owens-Corning Fiberglas Corporation. Viscosity control in the manufacture of mineral fibers. 4,812,151, 3-14-89, Cl. 65-29.000.
- Sheinkop, Isac. Continuous viscosity monitoring of glass. 4,877,436, 10-31-89, Cl. 65-29.000.
- Shekel Electronics-Scales Beit Keshet Electronics: *See—*
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- Shekerjian, Brian H.; and Price, J. B., to Spectrum CVD, Inc. Vacuum load lock. 4,861,563, 8-29-89, Cl. 422-186.050.
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- Shekhawat, Sampat S.; Shah, Mahesh J.; Vaidya, Jayant G.; and Dhyanchand, John J., to Sundstrand Corp. Three phase inverter power supply with balancing transformer. 4,847,745, 7-11-89, Cl. 363-132.000.
- Shekhawat, Sampat S.; Dhyanchand, John J.; and Horowy, John, to Sundstrand Corp. Darlington amplifier with high speed turnoff. 4,885,486, 12-5-89, Cl. 307-570.000.
- Shekhawat, Sampat S.: *See—*
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- Shekleton, Jack R., to Sundstrand Corporation. Combustor with enhanced turbine nozzle cooling. 4,825,640, 5-2-89, Cl. 60-39.360.
- Shekleton, Jack R.: *See—*
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  - Vershure, Roy W., Jr.; Rodgers, Colin; and Shekleton, Jack R., 4,819,423, Cl. 60-39.020.
- Shelanski, Morris V. Method of using a dermatome. 4,838,284, 6-13-89, Cl. 128-898.000.
- Shelar, Gary R.; and Bullings, Bruce R., to R. J. Reynolds Tobacco Company. Cigarette cut filler containing rare and specialty tobaccos. 4,819,668, 4-11-89, Cl. 131-371.000.
- Shelar, Gary R.: *See—*
  - Banerjee, Chandra K.; Farrier, Ernest G.; Harris, James L.; Norman, Alan B.; Resce, James L.; Reynolds, John H., IV; Ridings, Henry T.; Sensabaugh, Andrew J., Jr.; Shannon, Michael D.; and Shelar, Gary R., 4,854,331, Cl. 131-194.000.
  - Banerjee, Chandra K.; and Shelar, Gary R., 4,858,630, Cl. 131-364.000.
- Shelbourn, William C.: *See—*
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- Shelburne, Charles E., to Minnesota Mining and Manufacturing Company. Method and composition for the diagnosis of Lyme disease. 4,888,276, 12-19-89, Cl. 435-7.000.
- Shelburne Corporation, The: *See—*
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  - Howell, Richard J., 4,803,894, Cl. 74-594.600.
- Shelby, Earl. Ventilated hunting clothing. 4,796,304, 1-10-89, Cl. 2-94.000.
- Shelby Paper Box Co., The: *See—*
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- Shelby Williams Industries, Inc.: *See—*
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- Sheldon, Donald H., Jr.: *See—*
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- Sheldon, Dunstan P. Multiple document parallel printing apparatus. 4,879,268, 11-7-89, Cl. 503-201.000.
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- Sheldon, Steven A. Recessed deflecting road reflector. 4,848,958, 7-18-89, Cl. 404-11.000.
- Shelef, Gad, to United States of America, Air Force. Six degrees of freedom micromanipulator. 4,819,496, 4-11-89, Cl. 74-479.000.
- Shelfantook, William E.; Hyndman, Alexander W.; and Hackman, Larry P. Purification process for bitumen froth. 4,859,317, 8-22-89, Cl. 208-391.000.
- Sheliga, Theodore A.: *See—*
  - Massey, Eddie H.; and Sheliga, Theodore A., 4,839,341, Cl. 514-4.000.
- Shell Canada Limited: *See—*
  - Verhoeff, Abraham, 4,876,004, Cl. 210-170.000.
- Shell, Donald H.: *See—*
  - Pate, Harold T.; Laney, William R.; and Shell, Donald H., 4,869,766, Cl. 156-228.000.
- Shell Explorer Limited: *See—*
  - Verhoeff, Abraham, 4,876,004, Cl. 210-170.000.
- Shell, Forney L., Jr., to Northrop Corporation. Cable clamp strip 4,870,722, 10-3-89, Cl. 24-16.00R.
- Shell Internationale Research Maatschappij B.V.: *See—*
  - Barker, John M.; and Huddleston, Patrick R., 4,847,386, Cl 549-68.000.
  - Bertola, Mauro A.; Marx, Arthur F.; Koger, Hein S.; Quax, Wilhelmus J.; Van der Laken, Cornelis J.; Phillips, Gareth T.; Roberson, Brian W.; and Watts, Peter D., 4,886,750, Cl. 435-136.000.
  - Blythe, Robert J.; Bond, Robert, and La Heij, Gerardus E. 4,845,154, Cl. 525-237.000.
  - Coombs, Mandy E., 4,839,356, Cl. 514-227.200.
  - Gilkerson, Terence; Jennens, David C.; and Coombs, Mandy E. 4,833,137, Cl. 514-224.200.
  - Grosvenor, Peter R.; and Fuller, Lance S., 4,889,940, Cl 549-81.000.
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,851,089, Cl. 204-60.000.
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,853,094, Cl. 204-64.00R.
  - Honders, Anthonie; Horstik, Alfred J.; and Van Eyden, Gerbrand J. M., 4,874,482, Cl. 204 60.000.
  - Jansz, Just J. C., 4,849,189, Cl. 423-64.000.
  - Lameris, Herman J., 4,796,570, Cl. 122-7.00R.
  - Lugtmeier, Lubbertus; and Klamer, Albert, 4,889,184, C 166-80.000.
  - Malpas, Richard E.; Jansen, Gerardus J. C. M.; Honders, Anthon and Spijkerman, Johannes B. J., 4,824,541, Cl. 204-222.000.
  - Pettman, Roger B.; and Wells, Nicholas S., 4,798,845, C 514-400.000.
  - Smit, Cornelis J.; and Peters, Theodorus P., 4,849,060, C 204-67.000.
  - Twydell, Roland S.; and Radcliffe, Jennifer M., 4,833,158, C 514-616.000.
  - van Leeuwen, Petrus W. N. M., 4,795,508, Cl. 148-23.000.
  - Wilson, John R. H.; and Haddock, Ernest, 4,877,802, C 514-365.000.
- Shell, Melvin E. Large capacity wing loader and unloader apparatus for cargo ships. 4,856,961, 8-15-89, Cl. 414-749.000.
- Shell Offshore, Inc.: *See—*
  - Bridges, Charles D.; and Hartwein, Kenneth J., 4,834,177, C 166-250.000.
  - Luyties, William H., 4,854,779, Cl. 405-205.000.
  - Luyties, William H., 4,867,611, Cl. 405-209.000.
  - Shatto, Howard L., 4,830,541, Cl. 405-226.000.
  - Wankmuller, Richard N.; and Norman, Dale D., 4,862,568, C 29-26.00B.
- Shell Oil Company: *See—*
  - Allen, Robert C., 4,876,307, Cl. 524-612.000.
  - Ayers, Ray R., 4,797,117, Cl. 439-200.000.
  - Ayers, Ray R., 4,869,191, Cl. 114-253.000.
  - Bannell, John L. K.; Dixon, Arnold G.; and Davies, Trevor P. 4,799,235, Cl. 374-18.000.
  - Barnes, Peter H., 4,795,547, Cl. 208-113.000.
  - Bates, Terence W., 4,854,159, Cl. 73-64.000.
  - Bauer, Ronald S., 4,855,386, Cl. 528-117.000.
  - Bentham, Jeremy B.; and Pek, Johan J. B., 4,818,346, C 202-197.000.
  - Beverwijk, Christiaan D. M.; De Jong, Feike; and Sant, Pe 4,873,004, Cl. 252-32.500.
  - Bickelhaupt, Friedrich; and van der Does, Thomas, 4,874,897, C 568-13.000.
  - Birch, Andrew D., 4,808,034, Cl. 405-195.000.
  - Bitter, Johan G. A.; and Haan, Johannes P., 4,810,366, C 208-308.000.
  - Bitter, Johan G. A., 4,837,055, Cl. 427-244.000.
  - Blytas, George C.; and Diaz, Zaida, 4,810,340, Cl. 204-182.40
  - Blytas, George C.; and Knott, Robert F., 4,861,447, C 204-181.800.
  - Bolsman, Theodorus A. B. M., 4,873,025, Cl. 562-91.000.
  - Bontenbal, Pieter J., 4,877,356, Cl. 405-169.000.
  - Borchardt, John K., 4,799,547, Cl. 166-275.000.
  - Borchardt, John K., 4,852,653, Cl. 166-272.000.
  - Borchardt, John K., 4,856,588, Cl. 166-273.000.
  - Boxhoorn, Gosse; Schoenmakers, Peter J.; and Velthuis, Otto M. 4,806,518, Cl. 502-231.000.
  - Boxhoorn, Gosse; and Klazinga, Aan H., 4,829,044, C 502-348.000.
  - Boxhoorn, Gosse, 4,874,739, Cl. 502-218.000.
  - Broekhuis, Antonius A., 4,839,431, Cl. 525-298.000.
  - Brons, Henricus M. J.; and Geuze, Maarten M., 4,798,884, C 528-491.000.
  - Burstain, Israel G., 4,851,488, Cl. 526-78.000.
  - Byers, Dallas L., 4,840,782, Cl. 423-576.600.
  - Chao, Kuo-Hua, 4,812,595, Cl. 564-463.000.
  - Chao, Kuo-Hua, 4,837,356, Cl. 560-174.000.
  - Chao, Kuo-Hua, 4,845,295, Cl. 564-463.000.
  - Chatterjee, Ananda M.; and Job, Robert C., 4,818,799, C 526-123.000.
  - Chatterjee, Ananda M., 4,853,426, Cl. 524-100.000.
  - Chatterjee, Ananda M., 4,879,141, Cl. 427-213.000.

- Chu, Humbert H.; and Massie, Stephen N., 4,810,475, Cl. 423-236.000.
- Chu, Humbert H., 4,822,576, Cl. 423-228.000.
- Clerke, Edward A.; and Larson, Brent H., 4,852,069, Cl. 367-69.000.
- Coleman-Kammula, Seetha; and Hulskers, Harold, 4,851,010, Cl. 8-115.620.
- Coleman-Kammula, Seetha, 4,857,588, Cl. 525-54.200.
- Corcoran, Chris T., 4,839,869, Cl. 367-53.000.
- Corley, Larry S., 4,831,099, Cl. 528-91.000.
- Corley, Larry S., 4,873,309, Cl. 528-102.000.
- Daamen, Jacobus T.; and Huizinga, Tom, 4,888,319, Cl. 502-235.000.
- Danforth, R. L.; Gergen, W. P.; and Neate, J. A., 4,857,147, Cl. 162-156.000.
- Danforth, Richard L.; and Gilmore, Dennis W., 4,820,578, Cl. 428-291.000.
- Danforth, Richard L.; Handlin, Dale L., Jr.; Gergen, William P.; and Lutz, Robert G., 4,851,482, Cl. 525-455.000.
- Danforth, Richard L.; and Smith, Darlene G., 4,885,318, Cl. 524-281.000.
- Danforth, Richard L.; and Smith, Darlene G., 4,885,328, Cl. 525-424.000.
- Dangayach, Kailash C. B., 4,855,340, Cl. 523-456.000.
- Davidson, Colin J., 4,828,724, Cl. 252-8.511.
- Davis, D. G.; and Dicks, L. W. R., 4,805,561, Cl. 122-7.00R.
- Davis, D. G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,805,562, Cl. 122-7.00R.
- Davis, D. G.; and Dicks, Lynton W. R., 4,823,742, Cl. 122-7.00R.
- Davis, Drucilla G.; Dicks, Lynton W. R.; and Horwege, J. A., 4,823,741, Cl. 122-7.00R.
- Dejaifve, Pierre E.; Darnanville, Jean-Paul; Dufour, Jacques J. J.; and Garin, Roland A. C., 4,857,498, Cl. 502-304.000.
- De Jong, Feike; and Vermeule, Jacob, 4,832,807, Cl. 204-157.620.
- DeJong, Krijn P., 4,835,131, Cl. 502-255.000.
- De Jong, Krijn P.; Glezer, Johannes H. E.; and Post, Martin F. M., 4,857,497, Cl. 502-242.000.
- Derrick, Wayne E., 4,822,547, Cl. 264-169.000.
- de Vries, Auke F.; and Stork, Willem H. J., 4,859,309, Cl. 208-61.000.
- Dewhirst, Kenneth C.; and Stewart, Thomas G., Jr., 4,847,011, Cl. 260-351.000.
- Dewhirst, Kenneth C., 4,861,810, Cl. 523-445.000.
- Dewitz, Thomas S., 4,797,262, Cl. 422-142.000.
- Dewitz, Thomas S., 4,810,264, Cl. 48-210.000.
- Dewitz, Thomas S., 4,853,003, Cl. 55-20.000.
- Dewitz, Thomas S.; Turner, Louis H., III; Ploeg, Johannes E. G.; Van Kessel, Matheus M.; Scott, Andrew M.; and Everts, Rudi, 4,865,627, Cl. 55-20.000.
- DeWitz, Thomas S., 4,877,419, Cl. 48-197.00R.
- Diaz, Zaida; and Miller, James H., 4,820,849, Cl. 549-87.000.
- Dicks, Lynton W. R., 4,872,345, Cl. 73-597.000.
- Dijk, Arjan V.; and Sie, Swan T., 4,851,451, Cl. 518-714.000.
- Dirkse, Hendrik A.; Steenge, Wiecher D. E.; and Scott, Andrew M., 4,809,886, Cl. 222-195.000.
- Djiauw, Lie K.; and Icenogle, Ronald D., 4,859,366, Cl. 252-602.000.
- Doehmel, Kurt, 4,843,997, Cl. 114-270.000.
- Doering, Egon L., 4,799,356, Cl. 60-648.000.
- Douglas, Paul I., 4,847,510, Cl. 250-560.000.
- Douglas, Paul I., 4,880,583, Cl. 264-130.000.
- Drent, Eit, 4,804,738, Cl. 528-392.000.
- Drent, Eit, 4,804,739, Cl. 528-392.000.
- Drent, Eit; and Wife, Richard L., 4,806,630, Cl. 528-392.000.
- Drent, Eit, 4,806,647, Cl. 585-511.000.
- Drent, Eit, 4,806,693, Cl. 568-417.000.
- Drent, Eit, 4,808,697, Cl. 528-384.000.
- Drent, Eit, 4,810,774, Cl. 528-392.000.
- Drent, Eit, 4,818,810, Cl. 528-392.000.
- Drent, Eit, 4,818,811, Cl. 528-392.000.
- Drent, Eit; Wife, Richard L.; and Van Leeuwen, Petrus W. N. M., 4,820,802, Cl. 528-392.000.
- Drent, Eit, 4,824,817, Cl. 502-154.000.
- Drent, Eit, 4,831,114, Cl. 528-392.000.
- Drent, Eit, 4,831,187, Cl. 560-207.000.
- Drent, Eit, 4,835,250, Cl. 528-392.000.
- Drent, Eit, 4,841,020, Cl. 528-392.000.
- Drent, Eit; Van Leeuwen, Petrus W. N. M.; and Wife, Richard L., 4,843,145, Cl. 528-392.000.
- Drent, Eit, 4,849,542, Cl. 560-175.000.
- Drent, Eit, 4,851,582, Cl. 568-387.000.
- Drent, Eit, 4,859,646, Cl. 502-165.000.
- Drent, Eit; Wife, Richard L.; and Van Leeuwen, Petrus W. N. M., 4,859,764, Cl. 528-392.000.
- Drent, Eit; and Van Gogh, Johan, 4,861,912, Cl. 560-204.000.
- Drent, Eit, 4,868,328, Cl. 560-204.000.
- Drent, Eit, 4,868,345, Cl. 568-885.000.
- Drent, Eit, 4,874,736, Cl. 502-165.000.
- Drent, Eit, 4,876,401, Cl. 568-861.000.
- Drent, Eit, 4,879,417, Cl. 568-387.000.
- Drent, Eit, 4,889,913, Cl. 528-392.000.
- DuBois, Donn A., 4,889,900, Cl. 526-77.000.
- Duysings, Frederik M. H. J.; Baxter, David B.; and Barkelew, Chandler H., 4,850,001, Cl. 378-54.000.
- Dye, Robert F., 4,822,926, Cl. 568-867.000.
- Edwards, Charles L., 4,825,009, Cl. 568-618.000.
- Epel, Joseph N., 4,873,044, Cl. 264-257.000.
- Evans, Wayne E., 4,795,623, Cl. 423-328.000.
- Evans, Wayne E., 4,797,266, Cl. 423-328.000.
- Evans, Wayne E.; and Stem, Stephen C., 4,804,802, Cl. 585-734.000.
- Falls, Andrew H., 4,863,618, Cl. 252-8.554.
- Fiorentino, Jean-Pierre; and Rougerie, Claude, 4,848,149, Cl. 73-293.000.
- Fong, Howard L., 4,853,192, Cl. 423-226.000.
- Forster, Alan R.; Howard, Robert A.; and Williams, Ernest P., 4,833,322, Cl. 250-288.000.
- Fried, Herbert E., 4,822,911, Cl. 560-205.000.
- Fried, Herbert E.; and Edwards, Charles L., 4,879,394, Cl. 549-255.000.
- Geenen, Peter V.; and Bennis, Jan, 4,818,224, Cl. 432-248.000.
- Gelles, Richard; Willis, Carl L.; and Modic, Michael J., 4,868,243, Cl. 525-64.000.
- George, Eric R., 4,851,470, Cl. 524-612.000.
- George, Eric R., 4,861,675, Cl. 428-501.000.
- George, Eric R.; and Gergen, William P., 4,868,242, Cl. 525-64.000.
- George, Eric R.; Danforth, Richard L.; and Byrd, Paul S., 4,874,801, Cl. 523-214.000.
- George, Eric R.; Lutz, Robert G.; and Smutny, Edgar J., 4,874,819, Cl. 525-185.000.
- George, Eric R., 4,880,865, Cl. 524-449.000.
- Gergen, William P.; and Lutz, Robert G. 4,797,447, Cl. 525-92.000.
- Gergen, William P.; and Lutz, Robert G., 4,818,786, Cl. 525-55.000.
- Gergen, William P., 4,818,798, Cl. 525-539.000.
- Gergen, William P.; and Lutz, Robert G., 4,839,435, Cl. 525-391.000.
- Gergen, William P.; and Lutz, Robert G., 4,839,437, Cl. 525-426.000.
- Gergen, William P.; and Lutz, Robert G., 4,866,128, Cl. 525-92.000.
- Gergen, William P., 4,874,825, Cl. 525-425.000.
- Gerlowski, Leonard E.; Kastelic, John R.; and Lutz, Robert G., 4,866,122, Cl. 525-58.000.
- Geuze, Maarten M., 4,882,417, Cl. 528-392.000.
- Goodall, Brian L.; and Grotenhuis, Paulus A. M., 4,880,546, Cl. 210-699.000.
- Gorman, John E.; and Morris, John A., 4,822,857, Cl. 525-245.000.
- Handlin, Dale L., Jr., 4,798,853, Cl. 523-173.000.
- Handlin, Dale L., Jr., 4,804,472, Cl. 210-500.270.
- Handlin, Dale L., Jr., 4,812,522, Cl. 525-153.000.
- Hasenack, Hendricus J. A.; and Poll, Ian, 4,865,542, Cl. 431-160.000.
- Hasenack, Hendricus J. A.; and Poll, Ian, 4,887,952, Cl. 110-263.000.
- Hasenack, Hendrikus J. A., 4,842,509, Cl. 431-10.000.
- Haskell, Weston W., 4,824,646, Cl. 423-235.000.
- Hayden, Earl E., 4,812,500, Cl. 524-99.000.
- Heitz, Walter L., 4,874,397, Cl. 48-210.000.
- Himes, Glenn R., 4,868,057, Cl. 428-412.000
- Himes, Glenn R.; and Sanders, Andrea, 4,880,878, Cl. 525-89.000.
- Himes, Glenn R., 4,882,378, Cl. 524-505.000.
- Hinkle, Clifford J., II, 4,869,831, Cl. 210-744.000.
- Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,170, Cl. 208-111.000.
- Hoek, Arend; Huizinga, Tom; and Maxwell, Ian E., 4,857,171, Cl. 208-111.000.
- Hoxmeier, Ronald J.; and Slaugh, Lynn H., 4,876,314, Cl. 525-338.000.
- Hoxmeier, Ronald J., 4,879,349, Cl. 525-332.800.
- Hughes, Victor B.; and Veltman, Ian, 4,869,814, Cl. 210-142.000.
- Hunter, Clifford P., 4,840,906, Cl. 435-240.490.
- Hwo, Charles C., 4,808,662, Cl. 525-74.000.
- Hwo, Charles C., 4,870,134, Cl. 525-221.000.
- Hwo, Charles C., 4,876,156, Cl. 428-516.000.
- Hwo, Charles C., 4,882,229, Cl. 428-461.000.
- Hwo, Charles C.; and Hughes, Patrick M., 4,886,849, Cl. 524-263.000.
- Icenogle, Ronald D.; and Djiauw, Lie K., 4,853,154, Cl. 252-602.000.
- Jackson, Roy J., 4,829,141, Cl. 528-89.000.
- Job, Robert C., 4,804,648, Cl. 502-119.000.
- Job, Robert C., 4,806,696, Cl. 568-851.000.
- Job, Robert C., 4,855,371, Cl. 526-124.000
- Job, Robert C., 4,870,039, Cl. 502-104.000.
- Job, Robert C., 4,870,040, Cl. 502-104.000.
- Job, Robert C., 4,874,737, Cl. 502-171.000.
- Job, Robert C., 4,876,230, Cl. 502-171.000.
- Jordan, Jeffrey W.; and Olson, Don C., 4,816,226, Cl. 422-81.000.
- Kastelic, John R., 4,879,358, Cl. 525-539.000.
- Kemp, Richard A., 4,810,684, Cl. 502-211.000.
- Kemp, Richard A., 4,810,686, Cl. 502-211.000.
- Kemp, Richard A., 4,810,687, Cl. 502-211.000.
- Kemp, Richard A., 4,820,679, Cl. 502-314.000.
- Kemp, Richard A., 4,820,680, Cl. 502-314.000.
- Kemp, Richard A., 4,832,826, Cl. 208-216.0PP.
- Kemp, Richard A., 4,832,827, Cl. 208-216.0PP.
- Kemp, Richard A., 4,832,828, Cl. 208-216.0PP.
- Kemp, Richard A., 4,839,028, Cl. 208-216.0PP.
- Kemp, Richard A., 4,853,108, Cl. 208-216.00R
- Kemp, Richard A., 4,861,460, Cl. 208-216.0PP.
- Kemp, Richard A., 4,880,522, Cl. 208-216.0PP.
- Kemp, Richard A., 4,880,523, Cl. 208-216.0PP.
- Kemp, Richard A., 4,880,524, Cl. 208-216.0PP.
- Kemp, Richard A., 4,880,525, Cl. 208-216.0PP.

Kemp, Richard A., 4,880,526, Cl. 208-217.000.
Kershaw, Jacqueline A., 4,874,833, Cl. 528-90.000.
Kinneberg, Peter A.; and Armer, Thomas A., 4,871,618, Cl. 428-461.000.
Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, 4,880,904, Cl. 528-392.000.
Klazinga, Aan H., 4,874,729, Cl. 502-61.000.
Klazinga, Aan H., 4,874,730, Cl. 502-61.000.
Klingensmith, G. Bruce, 4,822,871, Cl. 528-392.000.
Klutz, Robert Q., 4,795,774, Cl. 524-246.000.
Koizumi, Takehiro; and Matsuzawa, Hideo, 4,802,999, Cl. 252-18.000.
Konijn, Gerrit, 4,880,451, Cl. 55-237.000.
Kooijmans, Petrus G.; Van Iperen, Roeland; and Sikking, Arjan, 4,816,300, Cl. 427-386.000.
Kopp, Frans; and Phifer, Edward H., 4,810,133, Cl. 405-168.000.
Korcz, William H., 4,854,110, Cl. 53-452.000.
Krijnen, Wilhelmus J.; Roest, Jacob B.; and Bloemheuvel, Jacob, 4,803,264, Cl. 536-114.000.
Kruka, Vitold R.; Kipp, Robert M.; and Cadena, Edward R., 4,837,751, Cl. 367-154.000.
Kuhlman, Myron I.; Borchardt, John K.; and Falls, Andrew H., 4,856,589, Cl. 166-273.000.
Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,887, Cl. 521-189.000.
Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,952, Cl. 528-405.000.
Kuyper, Jan; Lednor, Peter W.; and Pogany, George A., 4,826,953, Cl. 528-405.000.
Kuypers, Willem F.; and Hasenack, Hendrikus J. A., 4,858,538, Cl. 110-264.000.
Ladyman, Juanita A. R., 4,865,977, Cl. 435-119.000.
Langner, Carl G., 4,798,158, Cl. 114-253.000.
Langner, Carl G.; and Esparza, Joe O., 4,843,713, Cl. 29-799.000.
Lauritzen, Ann M., 4,808,738, Cl. 549-536.000.
Lauritzen, Ann M., 4,820,675, Cl. 502-216.000.
Lauritzen, Ann M., 4,833,261, Cl. 549-536.000.
Lauritzen, Ann M.; Baker, David S.; Christiansen, Margot H.; Johnson, Beamon M.; and Schuren, John G., 4,874,879, Cl. 549-536.000.
Lednor, Peter W., 4,888,159, Cl. 423-325.000.
Leonardi-Cattolica, Anthony M.; McMillan, Dale H.; and Telfer, Alexander, 4,870,278, Cl. 250-357.100.
Li, Simon M., 4,820,740, Cl. 521-32.000.
Li, Simon M., 4,822,923, Cl. 568-724.000.
Li, Simon M., 4,825,010, Cl. 568-724.000.
Long, Thomas E., 4,857,736, Cl. 250-358.100.
Lopez, John A., 4,816,502, Cl. 523-414.000.
Luke, Hans-Wolfgang, 4,851,013, Cl. 48-203.000.
Luteijn, Cornelis P.; Muylle, Michel; and Sanders, Carolus T., 4,842,718, Cl. 208-308.000.
Lutz, Robert G.; Gelles, Richard; and Gergen, William P., 4,795,782, Cl. 525-66.000.
Lutz, Robert G., 4,808,678, Cl. 525-529.000.
Lutz, Robert G., 4,814,378, Cl. 525-55.000.
Lutz, Robert G., 4,816,514, Cl. 525-55.000.
Lutz, Robert G.; and Gergen, William P., 4,816,530, Cl. 525-472.000.
Lutz, Robert G., 4,824,910, Cl. 525-185.000.
Lutz, Robert G., 4,826,926, Cl. 525-412.000.
Lutz, Robert G., 4,857,605, Cl. 525-445.000.
Lutz, Robert G.; and Gergen, William P., 4,870,133, Cl. 525-185.000.
Lutz, Robert G.; and Smutny, Edgar J., 4,880,863, Cl. 524-377.000.
Lutz, Robert G.; and Gergen, William P., 4,880,908, Cl. 525-468.000.
Madgavkar, Ajay M., 4,861,723, Cl. 435-262.000.
Martens, Franciscus J. A., 4,836,831, Cl. 48-197.00R.
Martens, Franciscus J. A., 4,878,835, Cl. 431-187.000.
Martens, Franciscus J. A., 4,888,031, Cl. 48-197.00R.
Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,805,708, Cl. 175-40.000.
Matza, Stephen D.; Ellington, William E.; and Fleming, Henry C., III, 4,840,910, Cl. 436-30.000.
Maxwell, Ian E.; and Minderhoud, Johannes K., 4,886,934, Cl. 585-660.000.
McCullough, J. Douglas, Jr., 4,801,637, Cl. 524-287.000.
Mifflin, Thomas R.; and DeWitz, Thomas S., 4,838,898, Cl. 48-210.000.
Miles, Richard; and Graiff, Leonard B., 4,846,848, Cl. 44-62.000.
Modic, Michael J.; and Gelles, Richard, 4,859,737, Cl. 525-64.000.
Mostert, Simon, 4,824,889, Cl. 524-232.000.
Mostert, Simon, 4,830,926, Cl. 428-461.000.
Ngan, Danny Y., 4,804,457, Cl. 208-64.000.
Olson, Donald C.; and Miller, John J., deceased, 4,859,436, Cl 423-221.000.
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Pino, Piero; Venanzi, Luigi; Wittwer, Heinz; and Daum, Ulrich, 4,870,156, Cl. 528-487.000.
Polderman, Hugo G., 4,859,316, Cl. 208-166.000.
Potter, Michael W., 4,857,077, Cl. 48-197.00R.
Pottick, Lorelle; Willis, Carl L.; Gergen, William P.; and Lutz, Robert G., 4,868,245, Cl. 525-98.000.
Rambow, Frederick H. K., 4,855,965, Cl. 367-69.000.
Rhodes, Robert B.; and Bean, Arthur R., 4,849,481, Cl 525-314.000.
Rhodes, Robert B., 4,877,836, Cl. 525-89.000.
Roberts, David L.; Stewart, Robert B.; and Currie, Peter K., 4,808,038, Cl. 405-237.000.
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Rombout, Rene; and Woudstra, Jouke J., 4,863,500, Cl. 55-348.000
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Ryback, George, 4,855,512, Cl. 568-775.000.
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Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,830,545, Cl 406-12.000.
Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,834,588, Cl. 406-85.000.
Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.
Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,844,663, Cl. 406-19.000.
Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.
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Samuelson, Gay M.; St. Clair, David J.; and Danforth, Richard L. 4,869,966, Cl. 428-428.000.
Schaper, Hennie; and Kouwenhoven, Herman W., 4,795,726, Cl 502-26.000.
Schofield, John A., 4,863,861, Cl. 435-155.000.
Schofield, John A.; Betteridge, Peter R.; Ryback, George; and Geary, Philip J., 4,876,200, Cl. 435-253.300.
Schofield, John A., 4,877,732, Cl. 435-155.000.
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Segerstrom, Clifford C.; Sternling, Charles V.; Luke, Hans-Wolfgang; and Wu, Hsi L., 4,852,997, Cl. 48-210.000.
Segerstrom, Clifford C., 4,859,213, Cl. 48-87.000.
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Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,889,540, Cl. 48-77.000.
Shaw, Paul V., 4,859,803, Cl. 568-727.000.
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Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,868,221, C 518-700.000.
Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,873,267, C 518-700.000.
Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,876,286, C 518-700.000.
Sie, Swan T.; Drent, Eit; and Jager, Willem W., 4,888,361, C 518-700.000.
Simmons, Peter E., 4,820,135, Cl. 417-391.000.
Simmons, Peter E., 4,828,036, Cl. 166-369.000.
Sjardijn, Willem; and Kramer, Arris H., 4,810,762, Cl. 526-166.000
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Smutny, Edgar J., 4,859,729, Cl. 524-170.000.
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Stewart, David R., 4,867,336, Cl. 220-359.000.
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Van Broekhoven, Adrianus M., and Wife, Richard L., 4,877,86 Cl. 528-392.000.
Van Broekhoven, Johannes A. M.; and Doyle, Michael J. 4,808,699, Cl. 528-392.000.
van Broekhoven, Johannes A. M.; and Drent, Eit, 4,824,934, C 528-392.000.
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Van Den Berg, Franciscus G. A., 4,810,363, Cl. 208-251.00H.
van den Berg, Johannes P.; Grandvallet, Pierre; and Kortbeek, Andras G. T. G., 4,835,335, Cl. 585-312.000.
Van Der Burgt, Maarten J., 4,809,624, Cl. 110-347.000.
Van Der Steeg, Jan, 4,844,165, Cl. 166-367.000.
Van Dongen, Johannes C. M.; and Worrall, Robert N., 4,836,301, Cl. 175-61.000.
Van Doorn, Johannes A.; Drent, Eit; Van Leeuwen, Petrus W. N. M.; Meijboom, Nicolaas, Van Oort, Aart B.; and Wife, Richard L., 4,855,399, Cl. 528-392.000.
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van Doorn, Johannes A.; Snel, Johannes J. M.; Meijboom, Nicolaas; and Wife, Richard L., 4,880,900, Cl. 528-392.000.
van Doorn, Johannes A.; Wife, Richard L.; and Budzelaar, Petrus H. M., 4,880,902, Cl. 528-392.000.
Van Doorn, Johannes A.; and Meijboom, Nicolaas, 4,889,956, Cl. 568-13.000.
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Van Kleeck, David A., 4,876,075, Cl. 423-226.000.
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Van Laar, Hermanus G., 4,821,801, Cl. 166-250.000.
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van Lookeren-Campagne, Constant J.; and Obeng, Edward D. A., 4,797,366, Cl. 435-264.000.
Van Meurs, Peter; De Rouffignac, Eric P.; Vinegar, Harold J.; and Lucid, Michael F., 4,886,118, Cl. 166-245.000.
van Os, George; Bleeker, Jan J.; and Schram, Cornelis W. A., 4,816,077, Cl. 127-29.000.
van Wijngaarden, Gerhard d.; and Brons, Henricus M. J., 4,869,837, Cl. 252-39.000.
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Verbrugge, Pieter A.; de Waal, Jannetje; and Sopher, David W., 4,855,452, Cl. 548-953.000.
Vinegar, Harold J.; and Wellington, Scott L., 4,827,761, Cl. 73-38.000.
Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., 4,856,341, Cl. 73-798.000.
Vinegar, Harold J.; DiFoggio, Rocco; and Tutunjian, Pierre N., 4,866,983, Cl. 73-153.000.
Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., 4,884,455, Cl. 73-798.000.
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Watts, Andrew J., 4,838,323, Cl. 141-1.000.
Wijn, Enno F., 4,863,568, Cl. 202-185.200.
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  Tinker, Steven J., 4,836,284, Cl. 166-279.000.
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Shell, William E.; and See, Jackie R., to Upjohn Company, The. Method and compositions for reducing dysfunction in angioplasty procedures. 4,820,732, 4-11-89, Cl. 514-573.000.
Shell, William E.; and See, Jackie R., to See/Shell Biotechnology, Inc. Dietary fat reduction. 4,865,850, 9-12-89, Cl. 424-491.000.
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  Skillen, John D.; Coons, Melvin S.; and Brannstrom, Olav H., 4,800,681, Cl. 49-440.000.
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Shelley, Prentiss: *See—*
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  Wilhite, John E.; and Shelly, William A., 4,858,176, Cl. 364-900.000.
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Shelton, Donald G.: *See—*
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Shelton, Warren M.; and Kuo, Samuel C., to GTE Government Systems Corporation. Foreshortened antenna structures. 4,814,783, 3-21-89, Cl. 343-795.000.
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  Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Roblen R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyantsev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.
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  Chen, Ih-Chin; Shen, Bing W.; Bohlman, James G.; and Tsai, Hun-Lian, 4,888,820, Cl. 361-313.000.
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  Malhi, Satwinder D. S.; Shen, Chi-Cheong; Bean, Kenneth E.; and Chang, Peng-Heng, 4,875,086, Cl. 357-54.000.
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Shen, Hsin-Der. Air vent throat of indoor ventilating device capable of preventing noise. 4,872,398, 10-10-89, Cl. 98-42.080.
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Shen, John C. S.: *See—*
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- Shen, Nelson M.: *See—*
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- Shen, Richard. Heavy-duty panic proof lock unit. 4,838,053, 6-13-89, Cl. 70-92.000.
- Shen, Richard. Easily adjustable latch. 4,840,412, 6-20-89, Cl. 292-337.000.
- Shen, Richard. Length-adjustable latch. 4,840,413, 6-20-89, Cl. 292-337.000.
- Shen, Wei-Chiang: *See—*
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- Shen, Yuan S.: *See—*
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- Shen, Zhi-Yuan. Matched absorptive end choke for microwave applicators. 4,861,955, 8-29-89, Cl. 219-10.55D.
- Shenai-Khatkhate, Deodattta V.: *See—*
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  - Eisenberg, Eliahu; Padova, Reuven; Shenfeld, Avner; Hirshfeld, Tsvi; and Stein, Jacob, 4,859,586, Cl. 435-34.000.
- Sheng, Lin M. Open mouth blowing bubble toy. 4,804,346, 2-14-89, Cl. 446-17.000.
- Sheng, Lin M. Rise and fall type bubble blower. 4,867,724, 9-19-89, Cl. 446-17.000.
- Sheng, Shih Y., to Parker-Hannifin Corporation. Hydraulic actuator synchronization apparatus and system. 4,825,748, 5-2-89, Cl. 91-171.000.
- Sheng, Shinan-Chur; and Wolgast, Stephen C., to Spectra-Physics, Inc. Compact rigid dye laser construction. 4,796,270, 1-3-89, Cl. 372-54.000.
- Sheng, Steve: *See—*
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  - Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,846,440, Cl. 251-129.170.
- Sheng, Zhengzhi: *See—*
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- Shenier, Richard S.; and Peterson, Richard J., to C & C Metal Products Corporation. Magnetic fastener. 4,825,526, 5-2-89, Cl. 24-303.000.
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- Shenker, Nathan. Audio-visual assembly for articles of clothing. 4,823,240, 4-18-89, Cl. 362-103.000.
- Shenouda, Soliman; Clausi, Adolph; Rogers, Ann M.; and El-Hag, Nabil, to General Foods Corporation. Reduction of microbial population on surface of food materials. 4,814,193, 3-21-89, Cl. 426-321.000.
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- Shepard, Daniel R. Disposable cat litter system. 4,872,420, 10-10-89, Cl. 119-1.000.
- Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Richard, to University of Lowell. Vibratory interference sensor. 4,804,896, 2-14-89, Cl. 318-568.000.
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- Shepard, H. Michael: *See—*
  - Leibovich, Samuel J.; Polverini, Peter J.; and Shepard, H. Michael, 4,808,402, Cl. 424-423.000.
- Shepard, Howard M.; Barkan, Edward D.; and Swartz, Jerome, to Symbol Technologies, Inc. Narrow-bodied, single-and twin-windowed portable laser scanning head for reading bar code symbols. 4,845,350, 7-4-89, Cl. 235-472.000.
- Shepard, Howard M.: *See—*
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  - Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,816,660, Cl. 235-472.000.
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  - Swartz, Jerome; Shepard, Howard M.; Barkan, Eric F.; Krichever, Mark J.; Metlitsky, Boris; Barkan, Edward; and Adelson, Alexander M., 4,835,374, Cl. 235-472.000.
- Shepard Industries, Inc.: *See—*
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- Shepard, Inella G.: *See—*
  - Graham, William H.; Bevel, Kenneth E.; Byrd, James D.; Junior, Kenneth E.; and Shepard, Inella G., 4,803,019, Cl. 264-3.100.
- Shepard, John S., to SISU Shelving Corporation. Shelf bracket. 4,799,643, 1-24-89, Cl. 248-544.000.
- Shepard, Joseph F.: *See—*
  - Giammarco, Nicholas J.; Gimpelson, Alexander; Kaplita, George A.; Lopata, Alexander D.; Scaduto, Anthony F.; and Shepard, Joseph F., 4,871,630, Cl. 430-14.000.
  - Monkowski, Michael D.; and Shepard, Joseph F., 4,847,670, Cl. 357-34.000.
- Shepard, Kenneth L.; and Graham, Samuel L., to Merck & Co., Inc. 2-Sulfamoyl-1H-indole derivatives for the treatment of elevated intraocular pressure. 4,840,963, 6-20-89, Cl. 514-418.000.
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  - Baldwin, John J.; Habecker. Charles M.; Graham, Samuel L.; Halczenko, Wasyl; Hartman, George D.; Schwam, Harvey; Ponticello, Gerald S.; and Shepard, Kenneth L., 4,847,289, Cl. 514-445.000.
- Shepard, Mary E.; Galloway, Deane E.; and Lind, Keith D., to American National Can Company. Nylon carrier for polymer concentrate and films and packages made with the concentrate. 4,877,684, 10-31-89, Cl. 428-475.800.
- Shepard, Melvin E.; and Bussinger, Allen L., to Amigo Sales, Inc. Steerable motorized three-wheeled vehicles for use by the handicapped and others desiring assistance. 4,846,295, 7-11-89, Cl. 180-68.500.
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- Shepard, Michael L.: *See—*
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  - Fuller, Harold A.; and Shepard, Michael L., 4,858,965, Cl. 285-189.000.
- Shepard, Ray M., to Shepard Industries, Inc. Rotary atomizer 4,795,095, 1-3-89, Cl. 239-214.170.
- Shepard, Richard W.; Corban, Earle; and Preston, Peter, to Torrington Company, The. Split ring roller bearing cage. 4,881,830, 11-21-89, Cl. 384-577.000.
- Shepard, Robert: *See—*
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- Shepelev, Lev N.: *See—*
  - Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.
- Sheperd, Thomas M.: *See—*
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- Shephard, Charles G.: *See—*
  - Foxcroft, Ronald L.; and Shephard, Charles G., 4,821,670, Cl. 116-137.00R.
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- Shepherd, Benjamin G.: *See—*
  - Marvin, Jack C.; and Shepherd, Benjamin G., 4,856,662, Cl. 212-176.000.
- Shepherd, Charles E. Fill slat retainer clip. 4,868,956, 9-26-89, Cl. 24-336.000.
- Shepherd, David J. Tree cutting guide shoe for clearing saw. 4,827,617, 5-9-89. Cl. 30-371.000.
- Shepherd, David M. Instrument panel magnification system. 4,865,419, 9-12-89, Cl. 350-114.000.
- Shepherd, Freddie A.; Gonzalez, Henry, Jr.; and Hess, Steven L., to Eastman Kodak Company. Polymer blends useful for hot fillable containers having improved gas barrier properties. 4,835,214, 5-30-89, Cl. 525-58.000.
- Shepherd, James E. Saw chain grinding machine. 4,836,058, 6-6-89, Cl. 76-25.00A.
- Shepherd, James P., to Hoechst Celanese Corp. Method for supporting metalloporphyrins on polybenzimidazole porous articles. 4,800,188, 1-24-89, Cl. 502-159.000.
- Shepherd, Lloyd: *See—*
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- Shepherd, Michael T.; and Edwards, Scott R. Delivery device 4,883,484, 11-28-89, Cl. 604-891.100.

- Shepherd, Michael T.: *See—*
  - Edwards, Scott; R.; Graham, Clifford A. A.; and Shepherd, Michael T., 4,867,980, Cl. 424-438.000.
- Shepherd, Michael V., to Accurate Gas Control Systems, Inc. Double valve for emptying a cylinder. 4,850,388, 7-25-89, Cl. 137-212.000.
- Shepherd Products U.S., Inc.: *See—*
  - Shane, Robert M., 4,843,677, Cl. 16-18.00A.
- Shepherd, Robin G.; Chai, Sie-Yearl; Lichty, Maynard E.; and Milowsky, Arnold S., to John Wyeth & Brother Ltd.; and American Home Products Corporation. Process for preparing thiazolobenzimidazoles and intermediates used therein. 4,812,574, 3-14-89, Cl. 548-151.000.
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  - Parson, Brian J.; Shepherd, Roger M.; May, Michael D.; and Stewart, Graham, 4,885,740, Cl. 370-60.000.
- Shepherd, Thomas H. Apparatus for the production of monolithic intraocular implants. 4,815,690, 3-28-89, Cl. 249-82.000.
- Shepherd, Willard W. Pressurized spray paint container. 4,880,151, 11-14-89, Cl. 222-394.000.
- Sheppa, Alexander: *See—*
  - Calcagni, Robert A.; and Sheppa, Alexander, 4,839,935, Cl. 14-24.000.
- Sheppard, Alan R. Methods and apparatus for preventing or retarding fruit and vegetable freezing. 4,838,761, 6-13-89, Cl. 416-170.00R.
- Sheppard, Clyde H.; and Lubowitz, Hyman R., to Boeing Company, The. Polyetherimide oligomer. 4,851,495, 7-25-89, Cl. 528-170.000.
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- Sheppard, David R.: *See—*
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- Sheppard, Harold A. Fender fast clip remover. 4,872,251, 10-10-89, Cl. 29-243.560.
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- Sheppard, Mark E.; and Yacobucci, David L. Flexible mount for mobile apparatus. 4,842,174, 6-27-89, Cl. 224-273.000.
- Sheppard, Ray I.; and Cuni, Juvenal A., to Arneco, Inc. Storage stable topical composition having moisture control agent. 4,847,078, 7-11-89, Cl. 424-80.000.
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  - Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., 4,858,114, Cl. 364-200.000.
- Sheppard, William G., to Martin Automatic Fishing Reel Co., Inc. Multiplier fly casting reel with anti-reversing mechanism. 4,796,831, 1-10-89, Cl. 242-212.000.
- Sheppard, William L., to Cable Manufacturing and Assembly Company, Inc. Control cable. 4,884,544, 12-5-89, Cl. 123-400.000.
- Shepperd, John A. N. Spinal implant. 4,863,476, 9-5-89, Cl. 623-17.000.
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  - Oles, Paul M.; and Shepps, Frederick J., 4,801,260, Cl. 425-527.000.
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  - Madou, Marc; Sher, Arden; and Spindt, Christopher J., 4,795,968, Cl. 324-61.00R.
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- Sherblom, Paul A. Lawn aerator. 4,858,697, 8-22-89, Cl. 172-21.000.
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- Sherbrooke, James C., to Sundstrand Corporation. Geared rotary actuator. 4,848,663, 7-18-89, Cl. 239-265.190.
- Sherburne, David G., to Eastman Kodak Company. Transporting and sorting system for a flexible workpiece. 4,875,671, 10-24-89, Cl. 271-302.000.
- Sherburne, Fred S. Ultrasonic cone and method of construction. 4,869,715, 9-26-89, Cl. 604-22.000.
- Sherer, C. Richard; and Jones, T. Lester. Heat exchange tube insertion tool. 4,831,720, 5-23-89, Cl. 29-726.000.
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  - Shumway, Dale F.; and Robbins, Harry C., 4,855,440, Cl. 548-353.000.
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  - Sheridan, David S.; and Jackson, Isaac S., 4,834,723, Cl. 604-274.000.
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- Sheridan, Jackson C. Shelf bracket. 4,809,941, 3-7-89, Cl. 248-249.000.
- Sheridan, James E.: *See—*
  - Benscoter, Richard D.; Domigan, Charles; Flachbarth, Charles T.; and Sheridan, James E., 4,857,016, Cl. 439-680.000.
- Sheridan, Michael; and Jaffe, Kenneth, to Ethylene Corp. Sight glass construction. 4,838,095, 6-13-89, Cl. 73-864.630.
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- Sheridan, Michael, to Ethylene Corp. Combination structure for sampling the contents of a reactor vessel including pH monitoring means. 4,888,154, 12-19-89, Cl. 422-49.000.
- Sheridan, Nicholas K.; Stearns, Richard G.; Frank, John A.; Casey, Brendan; and Gary, William, to Xerox Corporation. Heater for ionographic marking head array. 4,812,860, 3-14-89, Cl. 346-159.000.
- Sheridan, Stephen E., to Brunswick Corporation. Marine engine with louvered flywheel cover shroud. 4,874,959, 10-17-89, Cl. 290-1.00B.
- Sheridan, Terrence E., to Keithley Instruments Inc. Apparatus for measuring the peak voltage applied to a radiation source. 4,843,619, 6-27-89, Cl. 378-207.000.
- Sherif, Fawzy G., to Akzo America Inc. Alkaline oxalate precipitation process for forming metal oxide ceramic superconductors. 4,804,649, 2-14-89, Cl. 505-1.000.
- Sherif, Fawzy G.: *See—*
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- Sheriff, David G. Pet litter box. 4,886,014, 12-12-89, Cl. 119-1.000.
- Sheriff, David R., to Xerox Corporation. Self-compensating media centering and clamping mechanism for floppy disk drives. 4,827,364, 5-2-89, Cl. 360-99.050.
- Sherin, Patrick M. Gas cylinder carrier. 4,796,936, 1-10-89, Cl. 294-31.200.
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  - Senatore, Guy; Nesheiwat, Afif M.; and Sherk, Fred T., 4,882,418, Cl. 528-499.000.
- Sherling, Jon L.: *See—*
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- Sherman, Daniel A. Rodenticide refill cassette. 4,833,819, 5-30-89, Cl. 43-131.000.
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Dentini, Mark S.; Fulton, Joe A.; Jin, Sungho; Mottine, John J., Jr.; Shepherd, Lloyd; and Sherwood, Richard C., 4,838,347, Cl. 165-185.000.
Sherwood, Ronald, to Dowell Schlumberger Incorporated. Mixer for pulverous and liquid materials (essentially cement and water), of liquid-liquid materials. 4,834,542, 5-30-89, Cl. 366-21.000.
Sherwood, Russell W.: *See—*
Madnick, Peter A.; and Sherwood, Russell W., 4,801,944, Cl. 343-744.000.
Sheryll, Richard. Illuminated coaster for a drinking vessel. 4,858,084, 8-15-89, Cl. 362-101.000.
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Sheth, Harshad V.: *See—*
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Sheth, Ketankumar K., to Baker Hughes Incorporated. Reduced diameter downthrust pad for a centrifugal pump. 4,838,758, 6-13-89, Cl. 415-140.000.
Sheth, Nitin V.: *See—*
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Shettleroe, Jerry. Map holder. 4,862,614, 9-5-89, Cl. 40-593.000.
Sheu, Sea M. Gas heated glue gun. 4,795,064, 1-3-89, Cl. 222-113.000.
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Yang, Robert K.; Sharma, Shri C.; Sheu, Shan-Shan; and Shaw, James J., 4,879,108, Cl. 424-440.000.
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Shewchuk, Peter. Releasable extruded hinge. 4,852,213, 8-1-89, Cl. 16-266.000.
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Hiatt, William R.; Sheehy, Raymond E.; Shewmaker, Christine K.; Kridl, Jean C.; and Knauf, Vic, 4,801,540, Cl. 435-172.300.
Sheyman: Vladimir, to Board of Governors of Wayne State University, The. Two-phase cooling apparatus for electronic equipment and the like. 4,880,053, 11-14-89, Cl. 165-104.260.
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Shiba, Akira; Yamada, Isamu; and Murakami, Keiichi, to Fujitsu Limited. Ultrasonic analyzer. 4,836,210, 6-6-89, Cl. 128-660.060.
Shiba, Daisuke; Sakurai, Akira; and Miyashita, Iwao, to KAO Corporation. Absorbent article. 4 804,378, 2-14-89, Cl. 604-367.000.
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Tanaka, Kimio; and Shiba, Haruo, 4,799,122, Cl. 360-133.000.
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Tanaka, Kimio; and Shiba, Haruo, 4,845,582, Cl. 360-133.000.
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Tanaka, Kimio; Satoh, Takateru; and Shiba, Haruo, 4,871,153, Cl. 267-155.000.
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Shiba, Keisuke; Ichijima, Seiji; Sakanoue, Kei; and Taguchi, Seiichi, to Fuji Photo Film Co., Ltd. Method of forming a color image. 4,880,726, 11-14-89, Cl. 430-376.000.
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Fuchizawa, Tetsuro; Sano, Masaru; Taguchi, Seiichi; Shiba, Keisuke; and Ogawa, Tadashi, 4,851,327, Cl. 430-503.000.
Hasebe Kazunori; Asami, Masahiro; Ohshima, Naoto; Shiba, Keisuke; and Nishikawa, Toshihiro, 4,820,624, Cl. 430-567.000.
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Nakamura, Shigeru; Minoda, Minoru; and Shiba, Keisuke, 4,839,257, Cl. 430-207.000.
Sasaki, Noboru; and Shiba, Keisuke, 4,827,298, Cl. 354-288.000.
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Shiba, Kunio: *See—*
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Shiba, Masataka: *See—*
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Yoshitake, Yasuhiro; Oshida, Yoshitada; Shiba, Masataka; and Nakashima, Naoto, 4,819,033, Cl. 355-53.000.
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Shiba, Noriyuki: *See—*
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Shiba, Osamu: *See—*
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Shiba, Takahumi: *See—*
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Nakamura, Tohru; Nakazato, Kazuo; Homma, Noriyuki; Sagara, Kazuhiko; Shiba, Takeo; Kure, Tokuo; and Hayashida, Tetsuya, 4,812,894, Cl. 357-55.000.
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Shibagaki, Makoto: *See—*
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Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, to Tokai Rubber Industries, Ltd. Slidable vibration-isolating rubber member. 4,880,318, 11-14-89, Cl. 384-125.000.
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Seika Kaisha, Ltd.; and Susumu Mitsuhashi. Antibacterial agent for mammal use comprising cephalosporin derivatives as an effective ingredient. 4,810,702, 3-7-89, Cl. 514-206.000.

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Shibahashi, Yutaka: *See—*

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Shibahata, Yasuji; Fukunaga, Yukio; Tsubota, Yasumasa; Uno, Takaaki; and Okuyama, Yuji, to Nissan Motor Co., Ltd. Auxiliary steering system for wheeled vehicle. 4,878,557, 11-7-89, Cl 180-140.000.

Shibahata, Yasuji: *See—*

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Shibaike, Narito, to Matsushita Electric Industrial Co., Ltd. Arrangement for setting and discharging of a cassette in electronic still camera. 4,812,931, 3-14-89, Cl. 360-99.060.

Shibakawa, Takahiro: *See—*

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Shibamiya, Yoshikazu: *See—*

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Sukigara, Akihiko; Mizoguchi, Shigeru; Wada, Yuzo; Shibamiya, Yoshikazu; and Ohshima, Noriyoshi, 4,827,286, Cl. 346-76.0PH.

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Shibamoto, Norio; Yoshioka, Takeo; Fukagawa, Yasuo; and Ishikura, Tomoyuki, to Sanraku Incorporated. Aminoethylcysteine derivatives. 4,85[illegible],407, 8-1-89, Cl. 514-414.000.

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Shibanai, Ichiroh; and Shimizu, Sakae, to Ricoh Company, Ltd.; and Japan Liquid Crystal Co., Ltd. Ozone decomposing agent. 4,808,396, 2-28-89, Cl. 423-579.000.

Shibano, Hiroshi: *See—*

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Shibano, Tomobumi, to Ricoh Company, Ltd. Cleaning device for cleaning toner image carrier. 4,819,030, 4-4-89, Cl. 355-15.000.

Shibano, Yasuji, to Brother Kogyo Kabushiki Kaisha. Connector. 4,874,323, 10-17-89, Cl. 439-260.000.

Shibano, Yoshihide, to S & C Co., Ltd. Ultrasonic cleaning system. 4,865,060, 9-12-89, Cl. 134-60.000.

Shibano, Yoshizo, to Sumitomo Electric Industries, Ltd. PSK modem system with improved demodulation reliability. 4,807,251, 2-21-89, Cl. 375-53.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, to Sumitomo Electric Industries, Ltd. Roadside beacon system. 4,823,138, 4-1[illegible]-89, Cl. 342-457.000.

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Shibanuma, Naoki, to NEC Corporation. Semiconductor laser module. 4,803,689, 2-7-89, Cl. 372-36.000.

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Shibasaki, Ichiro; and Sugimoto, Yoshiyasu, to Asahi Kasei Kogyo Kabushiki Kaisha. Magnetoresistive element of ferromagnetic material and method of forming thereof. 4,835,510, 5-30-89, Cl. 338-32.00R.

Shibasaki, Katsutami: *See—*

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Shibasaki, Ken-ichiro; Itoi, Hiroshi; Ohkubo, Shouichi; and Sano, Hiroshi, to Lion Corporation. Artificial saliva composition. 4,879,281, 11-7-89, Cl. 514-55.000.

Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, to Mitsubishi Chemical Industries Limited. (2-chloro-3-oxo-1-alkenyl)bicyclo(3.3.0)octane derivative. 4,810,805, 3-7-89, Cl. 549-421.000.

Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, to Sagami Chemical Research Center; and Toa Eiyo Ltd. Prostacyclin analogue, and blood circulation improving agent and anti-ulcer composition containing it as active ingredient. 4,837,342, 6-6-89, Cl. 549-422.000.

Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, to Mitsubishi Chemical Industries Limited; and Sagami Chemical Research Center. Prostacyclins and pharmaceuticals containing the same. 4,839,388, 6-13-89, Cl. 514-530.000.

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Shibasaki, Susumu; and Wakai, Kunio, to Hitachi Maxell, Ltd. Method of a making magnetic recording medium. 4,847,109, 7-11-89, Cl. 427-8.000.

Shibata, Akihiro; Matsuda, Hideaki; Kohya, Hidehiko; and Katori, Tatsuhiko, to SS Pharmaceutical Co., Ltd. Derivative of α, α-trehalose and a process for preparing the same. 4,814,436, 3-21-89, Cl. 536-17.100.

Shibata, Akira, to Chugai Denki Kogyo K.K. Electrical contacts for electric breakers. 4,803,322, 2-7-89, Cl. 200-268.000.

Shibata, Akira: *See—*

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Shibata, Fumio: *See—*

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Shibata, Hirochika: *See—*

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Shibata, Hisashi: *See—*

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Shibata, Hitoshi: *See—*

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Shibata, Humio: *See—*

Hayami, Toshitomo; Shibata, Humio; Iguchi, Katsumi; Inoue, Hisao; Ono, Takashi; and Ishimoto, Takashi, 4,859,251, Cl. 148-286.000.

Shibata, Ichiroh; and Watanabe, Shinpei, to International Business Machines Corporation. Color blinking system. 4,845,477, 7-4-89, Cl. 340-703.000.

Shibata, Isamu: *See—*

Shimada, Kazuyuki; and Shibata, Isamu, 4,856,011, Cl. 372-38.000.

Shibata, Isao, to Nippon Seimitsu Kogyo Kabushiki Kaisha. Camera having data recording function. 4,885,598, 12-5-89, Cl. 354-106.000.

Shibata, Jiro: *See—*

Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,856,277, Cl. 60-422.000.

Ohashi, Ryota; Kawamura, Masahisa; and Shibata, Jiro, 4,866,936, Cl. 60-422.000.

Shibata, Jouji; Ohtani, Kazuo; Shinohara, Norio; and Hanyuda, Toshiaki, to Showa High Polymer Co., Ltd. Curable composition for a fiber-reinforced resin. 4,853,279, 8-1-89, Cl. 428-267.000.

Shibata, Katsuaki. Continuous conveyor apparatus. 4,883,167, 11-28-89, Cl. 198-712.000.

Shibata, Katsuhiko: *See—*

Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.

Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.

Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.

Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.

Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.

Shibata, Katsuji: *See—*

Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, 4,824,704, Cl. 428-36.920.

Yusa, Masami; Shibata, Katsuji; and Miyadera, Yasuo, 4,833,204, Cl. 525-113.000.

Shibata, Kazuhiko: *See—*

Shiraishi, Masaaki; Ichiki, Masaaki; and Shibata, Kazuhiko, 4,805,155, Cl. 367-7.000.

Shibata, Kazumi: *See—*

Yamamoto, Hitoshi; Toriyama, Masayuki; and Shibata, Kazumi, 4,829,945, Cl. 123-65.0PE.

Shibata, Kazuo: *See—*

Fujisawa, Yoshikazu; Hayashi, Tadayoshi; Ushio, Hideaki; and Shibata, Kazuo, 4,868,067, Cl. 428-614.000.

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, 4,817,578, Cl. 123-668.000.

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, 4,856,462, Cl. 123-41.840.

Shibata, Kazuyoshi; and Mizutani, Yoshihiko, to NGK Insulators, Ltd. Electrochemical device. 4,882,033, 11-21-89, Cl. 204-425.000.

Shibata, Kazuyoshi: *See—*

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,795,544, Cl. 204-425.000.

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,814,059, Cl. 204-406.000.

Nishizawa, Hitoshi; and Shibata, Kazuyoshi, 4,859,307, Cl. 204-425.000.

Shibata, Kenichi; Kimura, Kouichi; Hara, Tomohiko; and Takagi, Tatsuo, to Nichias Corporation. Lightweight refractory and process for producing the same. 4,849,382, 7-18-89, Cl. 501-95.000.

Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, to Sanyo Electric Co., Ltd. Surface acoustic wave device. 4,868,444, 9-19-89, Cl. 310-313.00A.

Shibata, Kenji: *See—*

Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.

Shibata, Kensuke: *See—*

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,837,319, Cl. 544-120.000.

Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,870,176, Cl. 544-408.000.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,875, Cl. 544-116.000.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,877, Cl. 544-354.000.

Shibata, Kenyu: *See—*

Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.

Shibata, Kiwamu: *See—*

Toguchi, Takehiko; Tateno, Mamoru; Shibata, Kiwamu; and Inoue, Hiromichi, 4,866,227, Cl. 200-147.00A.

Shibata, Kiyoshi; and Tsuji, Kikunosuke, to Mita Industrial Co., Ltd. Image generating device having a reflecting plate for eliminating charge on a portion of the photoreceptor of an electrophotographic copying machine. 4,814,815, 3-21-89, Cl. 355-3.00R.

Shibata, Kiyoshi: *See—*

Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, 4,831,712, Cl. 29-527.600.

Shibata, Kiyotaka; and Morimoto, Kiyoshi, to Mita Industrial Co., Ltd. Mechanism for preventing the feeding of more than one sheet of paper at one time. 4,861,013, 8-29-89, Cl. 271-119.000.

Shibata, Kiyotaka: *See—*

Miyoshi, Yoshitake; and Shibata, Kiyotaka, 4,870,463, Cl. 118-653.000.

Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, 4,815,724, Cl. 271-121.000.

Shibata, Kohichi, to Shimadzu Corporation. Apparatus for processing an X-ray image. 4,847,909, 7-11-89, Cl. 382-6.000.

Shibata, Koichiro, to Cuisinarts, Inc. Rotatable tool power lock retention apparatus for food processor. 4,817,878, 4-4-89, Cl. 241-282.200.

Shibata, Makoto: *See—*

Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.

Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.

Shibata, Manabu: *See—*

Kanda, Shigeru; Shibata, Manabu; Ono, Masayoshi; and Okano, Michikazu, 4,838,939, Cl. 106-281.100.

Shibata, Masaru: *See—*

Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.

Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa, 4,834,721, Cl. 604-266.000.

Sato, Toru; Matsuda, Atsuya; Shibata, Masaru; and Onohara, Masayuki, 4,837,047, Cl. 422-41.000.

Shibata, Masashi; Hayakawa, Iwao; and Hayashibara, Tokimasa, to Nisshoku Corporation. Artificial soil and construction of bed soil for putting green using artificial soil. 4,812,339, 3-14-89, Cl. 428-15.000.

Shibata, Masayuki: *See—*

Ishii, Taiji; and Shibata, Masayuki, 4,871,503, Cl. 264-248.000.

Shibata, Mitsuhiro; Kumagai, Kazuhide; Fukuo, Koichi; Hiro, Toshiaki; and Matsumoto, Masahiko, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for internal combustion engine. 4,807,574, 2-28-89, Cl. 123-40.160.

Shibata, Mitsuhiro: *See—*

Fukuo, Koichi; Shibata, Mitsuhiro; Hiro, Toshiaki; and Matsumoto, Masahiko, 4,858,574, Cl. 123-90.340.

Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.

Shibata, Morio: *See—*

Nakakura, Hirofumi; Shibata, Morio; Ishikawa, Haruo; Nakano, Akihisa; Hiroto, Hiromi; and Oyabu, Hajime, 4,885,176, Cl. 426-19.000.

Shibata, Motohiro: *See—*

Wakimoto, Kazumasa; Shibata, Motohiro; Ishii, Takaharu; and Sakurai, Masaaki, 4,857,106, Cl. 75-41.000.

Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Kayaba Kogyo Kabushiki Kaisha. Spring-constant variable type stabilizer device. 4,805,929, 2-21-89, Cl. 280-721.000.

Shibata, Norio; Sato, Tsunehiko; Takeda, Hideo; and Chino, Naoyoshi, to Fuji Photo Film Co. Ltd. Device for application with use of web vibration absorber. 4,796,557, 1-10-89, Cl. 118-62.000.

Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, to Toyota Jidosha Kabushiki Kaisha. Diagnosis device for exhaust gas recycling device of internal combustion engine. 4,870,942, 10-3-89, Cl. 123-571.000.

Shibata, Noriyoshi: *See—*

Kimura, Atsuyoshi; and Shibata, Noriyoshi, 4,837,108, Cl. 420-41.000.

Shibata, Ryoichi; and Kasakoshi, Toshiyuki, to Hitachi Metals, Ltd. Heating roll for fixing toner. 4,874,927, 10-17-89, Cl. 219-469.000.

Shibata, Ryoichi; Kinugawa, Kiyoshi; Iimura, Tsutomu; and Sawano, Yasuo, to Hitachi Metals, Ltd. Heat roll for electrophotography. 4,888,464, 12-19-89, Cl. 219-216.000.

Shibata, Ryoji: *See—*

Ukai, Nobuyuki; and Shibata, Ryoji, 4,826,332, Cl. 400-70.000.

Shibata, Ryuuji: *See—*

Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.

Shibata, Sadao: *See—*

Hayashi, Torahiko; and Shibata, Sadao, 4,844,296, Cl. 222-1.000.

Shibata, Satoshi: *See—*

Hattori, Hiroshi; and Shibata, Satoshi, 4,804,284, Cl. 400-279.000.

Ueda, Michio; and Shibata, Satoshi, 4,841,214, Cl. 318-696.000.

Ueno, Hideo; Shibata, Satoshi; and Yamada, Keiko, 4,853,695, Cl. 341-26.000.

Shibata, Setsuo: *See—*

Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, 4,800,042, Cl. 252-628.000.

Shibata, Shigehito: *See—*

Saito, Joichi; Wada, Hiroshi; Shibata, Shigehito; Watabe, Takashi; Tanabe, Kiyoshi; and Kunii, Nobuaki, 4,808,636, Cl. 521-163.000.

- Shibata, Shinji: *See—*
  - Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.
- Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; and Kawakami, Yasushi, to Asahi Glass Company Ltd.; and Nissan Motor Company, Limited. Antenna device for a television receiver mounted on an automobile. 4,823,140, 4-18-89, Cl. 343-713.000.
- Shibata, Shinzi: *See—*
  - Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.
- Shibata, Shuichi: *See—*
  - Suda, Hiroyuki; Shibata, Shuichi; and Nakahara, Motohiro, 4,801,322, Cl. 65-144.000.
- Shibata, Sueji: *See—*
  - Honma, Kiyoaki; and Shibata, Sueji, 4,815,808, Cl. 350-96.200.
- Shibata, Susumu: *See—*
  - Nakamori, Tomohiro; Tsuruoka, Taiji; Shibata, Susumu; and Kanamori, Takashi, 4,849,605, Cl. 219-216.000.
- Shibata, Tadashi, to Tokyo Shibaura Denki Kabushiki Kaisha. Method for manufacturing a semiconductor device utilizing self-aligned contact regions. 4,830,971, 5-16-89, Cl. 437-29.000.
- Shibata, Tadashi, to Kabushiki Kaisha Toshiba. Semiconductor device MOSFET with V-shaped drain contact. 4,860,084, 8-22-89, Cl. 357-55.000.
- Shibata, Takanori: *See—*
  - Oho, Shigeru; Hirayama, Takeshi; Matsumoto, Masahiro; Hasegawa, Akira; Hamano, Fumio; and Shibata, Takanori, 4,855,296, Cl. 364-138.000.
- Shibata, Takehiko: *See—*
  - Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.
- Shibata, Takeshi: *See—*
  - Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,857,443, Cl. 430-496.000.
  - Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,868,088, Cl. 430-203.000.
  - Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,830,957, Cl. 430-562.000.
  - Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,837,142, Cl. 430-562.000.
- Shibata, Tohru; Namikoshi, Hajime; and Okamoto, Ichiro, to Daicel Chemical Industries, Ltd. Separation agent comprising 1,3-glucan. 4,830,752, 5-16-89, Cl. 210-635.000.
- Shibata, Tohru: *See—*
  - Namikoshi, Hajime; Shibata, Tohru; and Okamoto, Ichiro, 4,879,038, Cl. 210-635.000.
  - Okamoto, Yoshio; Hatada, Koichi; Shibata, Tohru; Okamoto, Ichiro; and Nakamura, Hiroyuki, 4,818,394, Cl. 210-198.200.
  - Yuki, Yoichi; Okamoto, Ichiro; Shibata, Tohru; and Nakamura, Hiroyuki, 4,846,968, Cl. 210-198.200.
- Shibata, Tomoatsu, to Fanuc Ltd. Position control method in which a cartesian point is transformed through two cartesian coordinate systems. 4,862,381, 8-29-89, Cl. 364-474.360.
- Shibata, Tomochika: *See—*
  - Nishimura, Hisayuki; and Shibata, Tomochika, 4,796,177, Cl. 364-200.000.
- Shibata, Tomoo: *See—*
  - Fickenscher, John; Jurdi, Wissam; and Shibata, Tomoo, 4,851,383, Cl. 503-200.000.
- Shibata, Toshiharu: *See—*
  - Kaneko, Tsugio; Ishikawa, Fumiya; Nishiyama, Yoshinobu; and Shibata, Toshiharu, 4,871,464, Cl. 210-682.000.
- Shibata, Toshihiko; Sato, Mitsuo; Murata, Yoshitoshi; and Nagashima, Noriaki, to Matsushita Communication Industrial Co., Ltd.; Nippon Telegraph and Telephone Corporation; and NEC Corporation. Radio telephone system. 4,852,148, 7-25-89, Cl. 379-59.000.
- Shibata, Toshihiko: *See—*
  - Yotsutani, Akio; Sako, Yukihiro; Shibata, Toshihiko; and Murata, Yoshitoshi, 4,843,622, Cl. 379-59.000.
- Shibata, Toshihiro; and Kurosawa, Norio, to Adeka Argus Chemical Co., Ltd. Pyrimidine compound. 4,804,759, 2-14-89, Cl. 544-335.000.
- Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, to Adeka Argus Chemical Co., Ltd. Pyrimidine compound. 4,831,143, 5-16-89, Cl. 544-335.000.
- Shibata, Toshihiro; and Kurosawa, Norio, to Adeka Argus Chemical Co., Ltd. Optically active cyanobiphenyl compound. 4,844,836, 7-4-89, Cl. 252-299.660.
- Shibata, Toshihiro; Kimura, Masaki; and Kurosawa, Norio, to Adeka Argus Chemical Co., Ltd. Optically active ester compound. 4,866,199, 9-12-89, Cl. 560-65.000.
- Shibata, Toshihiro: *See—*
  - Minagawa, Motonobu; Nakahara, Yutaka; Shibata, Toshihiro; and Tobita, Etsuo, 4,885,323, Cl. 524-95.000.
- Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, to Nippon Paint Co., Ltd. Process for separating blood serum from blood. 4,805,153, 2-7-89, Cl. 435-2.000.
- Shibata, Toshiko; Ina, Hiroji; and Ina, Kazuo, to Nippon Paint Co., Ltd. Test tube assembly for serum separation. 4,836,987, 6-6-89, Cl. 422-101.000.
- Shibata, Uichi: *See—*
  - Tachibana, Shunro; and Shibata, Uichi, 4,821,740, Cl. 128-798.000.
- Shibata, Yasuhiro: *See—*
  - Narimatsu, Osamu; Ito, Michiyasu; Komatsu, Kazuyoshi; and Shibata, Yasuhiro, 4,853,286, Cl. 428-343.000.
- Shibata, Yoichi: *See—*
  - Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,825,770, Cl. 104-162.000.
  - Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,860,663, Cl. 104-162.000.
- Shibata, Yoji, to Hitachi, Ltd. Automatic data/voice sending/receiving mode switching device. 4,873,715, 10-10-89, Cl. 379-93.000.
- Shibata, Yoji, to Jamco Corporation. Lavatory module for a passenger airplane. 4,884,767, 12-5-89, Cl. 244-118.500.
- Shibata, Yoshiaki; and Ohnaka, Hidemi, to Toyota Jidosha Kabushiki Kaisha. Deceleration control device of an internal combustion engine. 4,799,466, 1-24-89, Cl. 123-327.000.
- Shibata, Yoshihiro; Katohno, Noboru; and Yokota, Hajime, to Hitachi, Ltd. Magnetic recording and reproducing apparatus. 4,809,115, 2-28-89, Cl. 360-137.000.
- Shibata, Yoshihisa; and Mizuno, Hiroshi, to Nippondenso Co., Ltd. Antenna system. 4,845,506, 7-4-89, Cl. 343-713.000.
- Shibata, Yoshihisa; and Mizuno, Hiroshi, to Nippondenso Co., Ltd. Planar antenna for vehicles. 4,887,089, 12-12-89, Cl. 343-700.0MS.
- Shibata, Yoshihisa: *See—*
  - Mizuno, Hiroshi; Shibata, Yoshihisa; and Sakurai, Takashi, 4,816,838, Cl. 343-771.000.
- Shibata, Yoshimasa: *See—*
  - Kondo, Kazuo; Morikawa, Asao; Iwata, Hiroshi; and Shibata, Yoshimasa, 4,871,608, Cl. 428-209.000.
- Shibata, Yoshio: *See—*
  - Ito, Haruhiko; Shibata, Yoshio; and Banzai, Masato, 4,806,721, Cl. 219-69.00W.
  - Ito, Haruhiko; Shibata, Yoshio; Banzai, Masato; and Yatomi, Takeshi, 4,839,487, Cl. 219-69.120.
- Shibata, Yoshitaka; Tsuji, Sadafusa; and Takada, Kenji, to Minolta Camera Kabushiki Kaisha. Light-sensitive device having color filter and manufacturing method thereof. 4,827,118, 5-2-89, Cl. 250-211.00J.
- Shibata, Zenichi: *See—*
  - Kokubo, Ichiro; Kourida, Kazuhiko; Hashimoto, Shunichi; Mimura, Kazuhiro; and Shibata, Zenichi, 4,880,480, Cl. 148-320.000.
- Shibatani, Juichi: *See—*
  - Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
- Shibato, Kishio; and Kawamura, Masataka, to Nippon Oil and Fats Co., Ltd. Polyol resin coating composition containing non-aqueous polymer dispersion and aliphatic sulfonic acid compound. 4,879,337, 11-7-89, Cl. 524-504.000.
- Shibatomi, Akihiro: *See—*
  - Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, 4,889,831, Cl. 437-184.000.
- Shibatya, Hirofumi: *See—*
  - Kato, Hideo; Shibatya, Hirofumi; and Matsuda, Keiko, 4,804,600, Cl. 430-5.000.
- Shibauchi, Yoshito: *See—*
  - Hatanaka, Koichi; and Shibauchi, Yoshito, 4,797,255, Cl. 422-28.000.
- Shibaura Engineering Works Co., Ltd.: *See—*
  - Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.
- Shibaya, Hiromichi: *See—*
  - Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744, Cl. 358-320.000.
- Shibayama, Akinori; and Niijima, Hironobu, to Nippon Telegraph & Telephone Public Corporation; and Takeda Riken Kogyo Kabushiki Kaisha. Digital-to-analog converting apparatus equipped with calibrating function. 4,835,535, 5-30-89, Cl. 341-120.000.
- Shibayama, Kenji: *See—*
  - Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, 4,811,122, Cl. 360-25.000.
- Shibayama, Masahiko; Kai, Umekichi; and Yamamoto, Hideki, to Omron Tateisi Electronics Co. Teachable inspection controller. 4,807,162, 2-21-89, Cl. 364-552.000.
- Shibayama, Shigeru, to NEC Corporation. Common file system for a plurality of data processors. 4,827,399, 5-2-89, Cl. 364-200.000.
- Shibayama, Takao: *See—*
  - Yuzawa, Suezo; Yamakawa, Masafumi; and Shibayama, Takao, 4,866,324, Cl. 310-268.000.
- Shibayama, Teruji; and Kaneko, Yoshio, to Nifco, Inc. Rotary welding member made of resin. 4,824,304, 4-25-89, Cl. 411-171.000.
- Shibayama, Teruji; and Kaneko, Yoshio, to Nifco, Inc. Rotary welding member made of resin. 4,832,549, 5-23-89, Cl. 411-171.000.
- Shibayama, Yasuhiro: *See—*
  - Kamiya, Tamotsu; Uchiyama, Nobuhito; and Shibayama, Yasuhiro, 4,832,721, Cl. 65-3.120.
  - Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, 4,813,989, Cl. 65-1.000.
- Shibazaki, Kenji; Irie, Yutaka; Ito, Masazumi; and Murata, Tomoji, to Minolta Camera Kabushiki Kaisha. Copying magnification setting device for an electrophotographic copying apparatus. 4,827,310, 5-2-89, Cl. 355-243.000.
- Shibazaki, Kenji: *See—*
  - Ito, Masazumi; and Shibazaki, Kenji, 4,847,756, Cl. 364-200.000.
  - Ito, Masazumi; Murata, Tomoji; and Shibazaki, Kenji, 4,868,610, Cl. 355-243.000.
  - Nakatani, Keiji; and Shibazaki, Kenji, 4,806,978, Cl. 355-14.00R.
  - Tanaka, Susumu; Shibazaki, Kenji; and Nakatani, Keiji, 4,816,864, Cl. 355-14.00R
- Shibazaki, Mizuo: *See—*
  - Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, 4,850,102, Cl. 29-787.000.
- Shibazaki, Osamu: *See—*
  - Ikariya, Toshiyuki; Takahashi, Kiyohiko; Shibazaki, Osamu; and Sakamoto, Nori, 4,834,310, Cl. 242-74.000.
- Shiber, Samuel, to Surgical Systems & Instruments, Inc. Rotary-catheter for atherectomy system. 4,819,634, 4-11-89, Cl. 128-305.000.
- Shiber, Samuel, to Surgical Systems & Instruments, Inc. Atherectomy device. 4,842,579, 6-27-89, Cl. 604-22.000.
- Shiber, Samuel, to Surgical Systems & Instruments, Inc. Atherectomy system and method of using the same. 4,883,458, 11-28-89, Cl. 604-22.000.
- Shiber, Samuel, to Surgical Systems & Instruments, Inc. Atherectomy catheter system and method of using the same. 4,886,490, 12-12-89, Cl. 604-22.000.
- Shiber, Samuel: *See—*
  - Husted, Royce H.; and Shiber, Samuel, 4,810,235, Cl. 474-49.000.
- Shibiu, Tatsurou: *See—*
  - Nakanishi, Shigetada; Teranishi, Yutaka; Nagahari, Kenji; Shibiu, Tatsurou; and Takamatsu, Ken, 4,851,349, Cl. 435-252.330.
- Shibukawa, Masaru: *See—*
  - Kuwahara, Hiroshi; Shibukawa, Masaru; and Izumita, Yuji, 4,835,773, Cl. 371-8.000
- Shibukawa, Takeo, to Yamaha Corporation. Electronic musical instrument with tone-sustaining controller. 4,858,508, 8-22-89, Cl. 84-1.010.
- Shibukawa, Takeo: *See—*
  - Kawai, Hiroyuki; Shibukawa, Takeo; and Mandai, Fujiyo, 4,869,701, Cl. 446-91.000.
- Shibukawa, Takerou: *See—*
  - Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.
  - Handa, Akio; Kasa, Keiji; Hosoya, Eiji; and Shibukawa, Takerou, 4,799,708, Cl. 280-796.000.
  - Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, 4,828,017, Cl. 165-41.000.
- Shibukawa, Yoshinori; Yasumoto, Taizo; Makiyama, Muneto; Murata, Shouichi; and Kusunoki, Kazuya, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Foamed synthetic fiber and its manufacturing method. 4,865,786, 9-12-89, Cl. 264-51.000.
- Shibusawa, Kenji: *See—*
  - Mukohyama, Hideaki; Oka, Hiroshi; and Shibusawa, Kenji, 4,886,840, Cl. 522-96.000.
- Shibuta, Nobuhiro: *See—*
  - Sato, Kenichi; and Shibuta, Nobuhiro, 4,814,731, Cl. 335-216.000.
- Shibuta, Shigeto; and Sakurai, Masahiko, to Sumitomo Heavy Industries, Ltd. Leg-holding device for offshore platform. 4,813,814, 3-21-89, Cl. 405-198.000.
- Shibuya, Chiuji: *See—*
  - Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, 4,866,258, Cl. 235-472.000.
- Shibuya, Ichiro: *See—*
  - Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,857,460, Cl. 435-91.000.
  - Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, 4,879,230, Cl. 435-172.300.
- Shibuya, Katsuhiko: *See—*
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Moriya, Koichi; and Shibuya, Katsuhiko, 4,880,933, Cl. 544-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
- Shibuya, Kazunori; Hamada, Tetsuro; Masuda, Katsuhiko; and Shimada, Kazuhiko, to Honda Giken Kogyo Kabushiki Kaisha. Differential gear. 4,825,724, 5-2-89, Cl. 74-710.500.
- Shibuya, Kazunori: *See—*
  - Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.
  - Hamada, Tetsuro; Shimada, Kazuhiko; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,889,353, Cl. 180-233.000.
  - Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.
  - Masuda, Katsuhiko; Hamada, Tetsuro; Shibuya, Kazunori; and Shimada, Kazuhiko, 4,829,849, Cl. 74-650.000.
  - Masuda, Katsuhiko; Shimada, Kazuhiko; Hamada, Tetsuro; and Shibuya, Kazunori, 4,848,507, Cl. 180-248.000.
  - Shimada, Kazuhiko; Hamada, Tetsurou; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,848,506, Cl. 180-248.000.
- Shibuya, Kiminobu; and Takayanagi, Kenichiro, to Sony Corporation. Method of fixing a color screening structure for a color picture tube. 4,854,905, 8-8-89, Cl. 445-30.000.

- Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, to Kowa Company, Ltd. Substituted anilide compounds which are useful in the treatment of arrhythmia. 4,886,822, 12-12-89, Cl. 514-357.000.
- Shibuya, Kiyoshi: *See—*
  - Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsutoshi; and Shibuya, Kiyoshi, 4,827,505, Cl. 379-413.000.
- Shibuya Kogyo Co., Ltd.: *See—*
  - Hirose, Hideaki; Yoshida, Shigeru; and Kohashi, Toru, 4,832,092, Cl. 141-1.000.
  - Konaka, Yukio, 4,871,348, Cl. 493-315.000.
  - Yamamoto, Katsuyuki; Itoh, Kazutoyo; Kishimoto, Kazuo; and Yamashita, Wakio, 4,815,921, Cl. 414-331.000.
- Shibuya, Koichi: *See—*
  - Watabe, Seiji; Yokoyama, Isao; Maeda, Tsutomu; Shibuya, Koichi; and Takahashi, Sumio, 4,841,267, Cl. 335-210.000.
- Shibuya, Kunihiro; and Todome, Tuyoshi, to Kabushiki Kaisha Toshiba. Display and input combination panel. 4,870,458, 9-26-89, Cl. 355-200.000.
- Shibuya, Kunihiro: *See—*
  - Hiroki, Masashi; and Shibuya, Kunihiro, 4,868,672, Cl. 358-494.000.
- Shibuya, Mamoru: *See—*
  - Kurumada, Norimitsu; Kuribayashi, Hiroshi; Shibata, Setsuo; Wakabayashi, Toshikatsu; Hasegawa, Akira; and Shibuya, Mamoru, 4,800,042, Cl. 252-628.000.
- Shibuya, Masato: *See—*
  - Mizutani, Hideo; Sato, Isao; and Shibuya, Masato, 4,864,123, Cl. 250-225.000.
- Shibuya, Noboru: *See—*
  - Shimada, Keiichiro; Wakahara, Tatsuya; and Shibuya, Noboru, 4,866,542, Cl. 360-10.300.
- Shibuya, Nobuhiro; Takahashi, Hideyuki; and Nishio, Takeyoshi, to Mitsubishi Petrochemical Co, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Polyphenylene ether composition. 4,863,997, 9-5-89, Cl. 525-92.000.
- Shibuya, Ryoko: *See—*
  - Okayama, Hideaki; Matoba, Akio; Kobayashi, Nobuo; Asabayashi, Issei; Nagai, Kiyoshi; and Shibuya, Ryoko, 4,846,542, Cl. 350-96.150.
- Shibuya, Takashi: *See—*
  - Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, 4,843,156, Cl. 536-127.000.
- Shibuya, Takehiro; Matsui, Kazuhiro; and Matsumoto, Makoto, to Nippon Electric Glass Company, Limited. Infrared transparent glass ceramic articles with beta-quarts solid solution crystals without any other crystals. 4,835,121, 5-30-89, Cl. 501-4.000.
- Shibuya, Toshifumi: *See—*
  - Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.
- Shibuya, Toshiteru, to NEC Corporation. Instruction prefetching device including a circuit for checking prediction of a branch instruction before the instruction is executed. 4,853,840, 8-1-89, Cl. 364-200.000.
- Shibuya, Tsuneori; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, to Diesel Kiki Co., Ltd. Vane compressor with vane back pressure adjustment. 4,810,177, 3-7-89, Cl. 418-76.000.
- Shibuya, Tsuyoshi, to Tokyo Juki Industrial Co., Ltd. Piezoelectric actuator. 4,855,633, 8-8-89, Cl. 310-328.000.
- Shibuya, Yoshiyuki: *See—*
  - Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shiego, 4,842,759, Cl. 252-62.510.
- Shichi, Hiroyasu: *See—*
  - Izumi, Eiichi; Iwamoto, Hiroshi; Mitani, Eisuke; and Shichi, Hiroyasu, 4,851,673, Cl. 250-309.000.
  - Tamura, Hifumi; Shichi, Hiroyasu; and Umemura, Kaoru, 4,841,143, Cl. 250-288.000.
- Shichi, Hitoshi; Tanouchi, Yoshihito; and Kamada, Yoshio, to Shichi, Hitoshi. Immunosuppressive agent. 4,843,092, 6-27-89, Cl. 514-450.000.
- Shichinohe, Daisuke: *See—*
  - Hongo, Katsunobu; Suda, Shinji; Kobayashi, Hiroshi; and Shichinohe, Daisuke, 4,814,741, Cl. 340-825.650.
- Shick, David A.: *See—*
  - Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Guzy, D. James, 4,841,526, Cl. 371-32.000.
- Shick, Lawrence A., to Lifestyle International, Inc. Handle for bag. 4,799,521, 1-24-89, Cl. 150-107.000.
- Shicoh Engineering Co., Ltd.: *See—*
  - Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, 4,836,631, Cl. 350-6.800.
  - Shiraki, Manabu; and Miyao, Osami, 4,804,873, Cl. 310-67.00R.
  - Shiraki, Manabu; and Egami, Kazuhito, 4,861,237, Cl. 417-353.000.
  - Shiraki, Manabu; and Hirano, Norimitsu, 4,876,472, Cl. 310-198.000.
- Shida, Atsuhiko: *See—*
  - Hayashi, Seiichi; Hohjoh, Tadashi; Shida, Atsuhiko; and Ikekawa, Nobuo, 4,886,544, Cl. 71-88.000.
- Shida, Hiroshi, to Sky Aluminium Co., Ltd. Metal roofing and siding panel. 4,835,930, 6-6-89, Cl. 52-539.000.
- Shida, Hiroshi: *See—*
  - Okamoto, Noboru; and Shida, Hiroshi, 4,831,501, Cl. 362-61.000.

Shida, Keizo: *See—*
Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.

Shida, Masami: *See—*
Amano, Matsuo; Shida, Masami; Sakamoto, Masahide; Hirayama, Takeshi; and Sasayama, Takao, 4,837,698, Cl. 364-431.070.

Shida, Masayuki: *See—*
Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, 4,830,633, Cl. 8-160.000.

Shida, Shoichi: *See—*
Morita, Yoshitsugu; and Shida, Shoichi, 4,808,640, Cl. 523-433.000.

Shida, Takafumi; Yamazaki, Shiro; and Shinkawa, Hiroyasu, to Kureha Kagaku Kogyo Kabushiki Kaisha. 1,2,4-triazole-3-carboxamide compound and a herbicidal composition containing the same. 4,820,374, 4-11-89, Cl. 71-92.000.

Shida, Takafumi: *See—*
Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, 4,795,484, Cl. 71-92.000.

Shida, Tomohiko: *See—*
Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mitsuo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

Shida, Toshimitsu, to Fuji Valve Co., Ltd. Hydraulic valve lash adjuster. 4,887,266, 12-19-89, Cl. 123-90.510.

Shida, Toshio: *See—*
Koiso, Junichi; Hashimoto, Takayoshi; and Shida, Toshio, 4,819,578, Cl. 118-652.000.

Shida, Yasushi; Kuroda, Tokuyuki; Matsukuma, Ikuo; Morimoto, Makoto; and Ashizawa, Tadashi, to Kyowa Hakko Kagyo Kabushiki Kaisha. Mitomycin compounds having useful anti-tumor activity. 4,863,935, 9-5-89, Cl. 514-322.000.

Shida, Yoshiaki; Kitayama, Shiro; and Nishikawa, Tomio, to Sumitomo Metal Industries, Ltd. Method of improving the resistance of Ti-based alloys to corrosion in deep-well environments. 4,859,415, 8-22-89, Cl. 420-417.000.

Shida, Yoshiaki: *See—*
Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.

Shida, Yu: *See—*
Kobayashi, Masanori; Matsuura, Isao; Wakatsuki, Akira; and Shida, Yu, 4,861,816, Cl. 524-204.000.

Shidahara, Hitoshi; and Yamamoto, Syozi, to Tazmo Co., Ltd. Equipment for heating and cooling substrates for coating photo resist thereto. 4,863,547, 9-5-89, Cl. 156-345.000.

Shidara, Keiichi: *See—*
Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.

Shidara, Shinichi, to Fuji Photo Film Co., Ltd. Process for developing photographed film and for printing images through developed film. 4,881,095, 11-14-89, Cl. 354-298.000.

Shidler, Karl A.: *See—*
Block, Timothy R.; Enstrom, Mark R.; Luecke, Francis S.; Shidler, Karl A.; and Soderstrom, Ronald L., 4,870,635, Cl. 369-215.000.

Shido, Seiichi: *See—*
Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, 4,832,860, Cl. 252-56.00R.

Shieh, Han-Ping D.: *See—*
Kryder, Mark H.; and Shieh, Han-Ping D., 4,882,718, Cl. 369-13.000.
Kryder, Mark H.; and Shieh, Han-Ping D., 4,888,750, Cl. 369-13.000.

Shieh, James. Quick-set dial type torque wrench. 4,870,879, 10-3-89, Cl. 81-483.000.

Shield, Frank H., to Procter & Gamble Company, The. Dispensing container. 4,850,501, 7-25-89, Cl. 220-90.400.

Shields, Edward P., to Westinghouse Electric Corp. Apparatus for sealing the seam between two conduits. 4,807,262, 2-21-89, Cl. 376-203.000.

Shields, Edward P.: *See—*
Meuschke, Robert E.; and Shields, Edward P., 4,824,632, Cl. 376-261.000.

Shields, John. Infra-red spectrophotometric apparatus. 4,825,076, 4-25-89, Cl. 250-343.000.

Shields, Larry E. Tilt switch replacing mercury switches. 4,820,888, 4-11-89, Cl. 200-61.45M.

Shields, Michael B.; and Guisinger, Barrett E., to Sony Corporation. Variable speed motor control method and apparatus. 4,816,723, 3-28-89, Cl. 318-318.000.

Shields, Michael B.: *See—*
Morgan, Donald E.; and Shields, Michael B., 4,866,719, Cl. 371-40.100.

Shields, Nancy L.: *See—*
Hu, Can B.; Solomon, Donald D.; and Shields, Nancy L., 4,865,870, Cl. 427-2.000.

Shields, Neal G.: *See—*
DeFino, John M.; and Shields, Neal G., 4,866,417, Cl. 340-429.000.

Shields, Steven E., to Hughes Aircraft Company. LCMOS displays fabricated with implant treated silicon wafers. 4,839,707, 6-13-89, Cl. 357-23.700.

Shields, Steven E., to Hughes Aircraft Company. AC activated liquid crystal display cell employing dual switching devices. 4,870,396, 9-26-89, Cl. 340-719.000.

Shields, William D. Barbell system. 4,822,034, 4-18-89, Cl. 272-123.000.

Shields, Winston E. Machine control apparatus using wire capacitance sensor. 4,871,058, 10-3-89, Cl. 198-444.000.

Shiells, Richard A.; and Falk, Gertrude, to University College London. Preventing ADP-ribosylation of G-proteins in a living subject. 4,882,146, 11-21-89, Cl. 424-10.000.

Shier, John S., to VTC Incorporated. Single chip successive approximation analog-to-digital converter with trimmable and controllable digital-to-analog converter. 4,851,838, 7-25-89, Cl. 341-121.000.

Shiets, Leo C., to Axle Surgeons, Inc. Apparatus for boring articles. 4,820,089, 4-11-89, Cl. 408-111.000.

Shifflet, Glenn; Johnson, Herbert C.; and Revenaugh, Paul W., to Dana Corporation. Apparatus and method for monitoring the operation of a vehicle drive shaft. 4,838,077, 6-13-89, Cl. 73-118.100.

Shifflett, Shirley W. Multi-purpose pest trap. 4,835,900, 6-6-89, Cl. 43-58.000.

Shiffman, Jack. Nail cleaner. 4,886,078, 12-12-89, Cl. 132-73.000.

Shifley, James D.; Dobbertin, Michael T.; Hubbard, Charles R.; and Forrest, Wayne W., to Eastman Kodak Company. Film wrapping and sealing apparatus. 4,869,051, 9-26-89, Cl. 53-540.000.

Shifrin, Lazar N.: *See—*
Kanaljuk, Viktor L.; Surakov, Anatoly M.; Chornogotsky, Vasily M.; and Shifrin, Lazar N., 4,880,944, Cl. 174-138.00E.

Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, to Sumitomo Chemical Company Limited. Alpha-olefin block copolymer particles and process for the production thereof. 4,820,775, 4-11-89, Cl. 525-247.000.

Shiga, Akinobu: *See—*
Sasaki, Toshio; Ebera, Takeshi; Kawai, Kiyoshi; and Shiga, Akinobu, 4,806,433, Cl. 502-115.000.

Shiga, Masakatsu; and Nakamura, Yuichi, to Aida Engineering, Ltd. Deformation resistant frame for a press. 4,794,781, 1-3-89, Cl. 72-455.000.

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Shiga, Satoru: *See—*
Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.

Shiga, Shoji: *See—*
Oyama, Yoshimasa; Asai, Masato; Tanigawa, Toru; Shinozaki, Shigeo; and Shiga, Shoji, 4,822,560, Cl. 420-470.000.

Shiga, Shujiro; Nagata, Hideo; and Shigeoka, Kenichiro, to Sumitomo Chemical Co., Ltd. Uranyl ion selective electrode. 4,801,371, 1-31-89, Cl. 204-418.000.

Shiga, Yoshio: *See—*
Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; Kawamura, Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, 4,839,376, Cl. 514-406.000.

Shigaki, Kazuyuki: *See—*
Imamura, Tadashi; Shigaki, Kazuyuki; Yamazaki, Yuji; Masuda, Tadashi; and Okumura, Tsunemasa, 4,861,113, Cl. 307-65.000.

Shigaki, Keisuke: *See—*
Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.

Shigaki, Masafumi; Kurihara, Hiroshi; and Nishi, Hidetoshi, to Fujitsu Limited. Frequency dividing apparatus for high frequency. 4,855,895, 8-8-89, Cl. 363-157.000.

Shigaki, Takao: *See—*
Ozawa, Yoshio; Yamamoto, Takashi; Shigaki, Takao; and Kaneko, Rokusaburo, 4,876,568, Cl. 355-56.000.
Ozawa, Yoshio; and Shigaki, Takao, 4,886,352, Cl. 355-28.000.
Terashita, Takaaki; Shigaki, Takao; and Yukawa, Keiko, 4,816,874, Cl. 355-38.000.
Urabe, Hitoshi; Shigaki, Takao; and Shimazaki, Osamu, 4,841,362, Cl. 358-80.000.

Shigehara, Hiroshi; Shiraishi, Mikio; Watanabe, Yasuhiro; and Sugi, Nobuo, to Kabushiki Kaisha Toshiba. Multiplier circuit suitable for obtaining a negative product of a multiplier and a multiplicand. 4,813,008, 3-14-89, Cl. 364-760.000.

Shigehara, Hiroshi, to Kabushiki Kaisha Toshiba. Digital signal processing circuit. 4,853,886, 8-1-89, Cl. 364-745.000.

Shigehara, Hiroshi; and Kawaai, Toshimasa, to Kabushiki Kaisha Toshiba. Analog voltage signal comparator circuit. 4,864,304, 9-5-89, Cl. 341-143.000.

Shigehara, Hiroshi: *See—*
Kinugasa, Masanori; Tanaka, Fuminari; Shigehara, Hiroshi; and Ohta, Hirokata, 4,821,084, Cl. 357-45.000.

Shigehara, Itaru: *See—*
Haga, Takahiro; Shigehara, Itaru; Koyanagi, Toru; Hara, Kazutoshi; and Maeda, Masaru, 4,861,886, Cl. 546-16.000.

Shigehara, Makoto: *See—*
Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.

Shigei, Masahiro; Suto, Shugo; and Tatsukami, Masahiro, to Oki Electric Industry Co., Ltd. Manual head loading mechanism for flexible disk drive. 4,839,757, 6-13-89, Cl. 360-99.050.

Shigei, Tetsuro: *See—*
Ogawa, Hiroyasu; and Shigei, Tetsuro, 4,830,845, Cl. 423-447.200.

Shigeki, Asakawa: *See—*
Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.

Shigeki, Kiyoshi: *See—*
Suzuki, Satoshi; and Shigeki, Kiyoshi, 4,819,382, Cl. 49-497.000.

Shigeki, Terumitsu: *See—*
Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, 4,854,030, Cl. 29-510.000.

Shigemasa, Masayoshi: *See—*
Akutagawa, Hitoshi; and Shigemasa, Masayoshi, 4,817,458, Cl. 74-665.0GE.

Shigemasa, Takashi: *See—*
Iino, Yutaka; and Shigemasa, Takashi, 4,882,526, Cl. 346-561.000.

Shigematsu, Hideyo: *See—*
Nakano, Toshihiko; Nagase, Fumiaki; Takeuchi, Eiichi; Kamada, Mamoru; and Shigematsu, Hideyo, 4,868,033, Cl. 428-201.000.

Shigematsu, Kazuo: *See—*
Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
Kaku, Toshimitsu; Shigematsu, Kazuo; Tsunoda, Yoshito; and Maeda, Takeshi, 4,807,210, Cl. 369-44.000.
Kaku, Toshimitsu; and Shigematsu, Kazuo, 4,819,242, Cl. 372-38.000.
Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
Kaku, Toshimitsu; Tsunoda, Yoshito; and Shigematsu, Kazuo, 4,879,703, Cl. 369-13.000.
Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, 4,866,687, Cl. 369-32.000.
Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.
Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, 4,835,759, Cl. 369-59.000.

Shigematsu, Kazutoshi: *See—*
Fujii, Shigemi; Kumazaki, Eisuke; and Shigematsu, Kazutoshi, 4,857,256, Cl. 264-310.000.

Shigematsu, Kazuyoshi; and Shirouzu, Shigenori, to Idemitsu Kosan Co., Ltd. Polyformal resin and process for producing said resin. 4,801,679, 1-31-89, Cl. 528-219.000.

Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, to Kumiai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. Picolinic acid derivatives and herbicidal compositions. 4,832,729, 5-23-89, Cl. 71-92.000.

Shigematsu, Masayuki; and Suzuki, Shuzo, to Sumitomo Electric Industries, Ltd. Method of coated fiber identification in optical transmission network. 4,840,482, 6-20-89, Cl. 356-73.100.

Shigematsu, Masayuki; and Fukuda, Masahiko, to Sumitomo Electric Industries, Ltd.; and Ando Electric Co., Ltd. Optical fiber core collator. 4,848,872, 7-18-89, Cl. 350-96.290.

Shigematsu, Masayuki: *See—*
Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.

Shigematsu, Minoru: *See—*
Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, 4,831,516, Cl. 364-700.000.

Shigematsu, Osamu: *See—*
Kawata, Hideaki; Azuma, Yusaku; Kuroki, Kenzi; and Shigematsu, Osamu, 4,844,680, Cl. 414-331.000.

Shigematsu, Sadao; and Akiyama, Mamoru, to Nippon Gohsei Kagaku Kogyo Kabushiki Kaisha. Air-drying resin composition. 4,829,123, 5-9-89, Cl. 525-28.000.

Shigematsu, Takashi; Watanabe, Tomoyuki; Tokoro, Setsuo; and Sawada, Daisaku, to Toyota Jidosha Kabushiki Kaisha. Automatic transmission for automobile and method of controlling same. 4,817,469, 4-4-89, Cl. 74-866.000.

Shigematsu, Takashi: *See—*
Hayashi, Takashi; Tokoro, Setsuo; Watanabe, Tomoyuki; and Shigematsu, Takashi, 4,803,628, Cl. 364-424.100.
Watanabe, Tomoyuki; Tokoro, Setsuo; Hayashi, Takashi; and Shigematsu, Takashi, 4,811,222, Cl. 364-424.100.

Shigematsu, Tatsuhiko; Ichidate, Minoru; Shiotani, Chitose; and Tozawa, Yohzi, to Sumitomo Metal Industries, Ltd. Process for producing cold-bonded iron ore for use in a blast furnace. 4,846,884, 7-11-89, Cl. 75-3.000.

Shigematsu, Tomohisa: *See—*
Maruyama, Tadashi; Wada, Yukio; Shigematsu, Tomohisa; Suzuki, Yasoji; and Yoshizawa, Makoto, 4,870,615, Cl. 365-185.000.

Shigematsu, Yasuhiko; and Hasegawa, Mineo, to Kewpie Kabushiki Kaisha. Process for producing egg yolk lecithin having reduced PE content and/or containing substantially no impurities. 4,847,015, 7-11-89, Cl. 260-403.000.

Shigemitsu, Fumiaki; Usuda, Kinya; and Nomaki, Tatsuo, to Kabushiki Kaisha Toshiba. Method of forming resist pattern. 4,840,874, 6-20-89, Cl. 430-296.000.

Shigemitsu, Hideyuki: *See—*
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,877,831, Cl. 525-63.000.
Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,888,388, Cl. 525-67.000.

Shigemori, Toshihiro, to Ricoh Company, Ltd. Motor speed control. 4,814,679, 3-21-89, Cl. 318-318.000.

Shigemori, Toshihiro, to Ricoh Company, Ltd. Digital phase-locked loop filter. 4,816,722, 3-28-89, Cl. 318-314.000.

Shigemori, Toshihiro, to Ricoh Company, Ltd. Tracking control system of an optical pick-up. 4,817,069, 3-28-89, Cl. 369-32.000.

Shigemori, Toshihiro: *See—*
Yamamoto, Kazutaka; and Shigemori, Toshihiro, 4,835,754, Cl. 369-32.000.

Shigemoto, Hiromi, to Mitsui Petrochemical Industries, Ltd. Poly(4-methyl-1-pentane) composition and articles molded therefrom. 4,837,277, 6-6-89, Cl. 525-146.000.

Shigemoto, Hiromi; Abe, Shunji; and Yamamoto, Akio, to Mitsui Petrochemical Industries, Ltd. Process of making a non-oriented, surface-roughened film or sheet. 4,880,589, 11-14-89, Cl. 264-216.000.

Shigemura, Kouji: *See—*
Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.

Shigemura, Sadato: *See—*
Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, 4,855,019, Cl. 204-16.000.

Shigemura, Yutaka: *See—*
Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka, Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.

Shigenaga, Yoshimi, to Casio Computer Co., Ltd. IC card system with control of data-writing process. 4,803,351, 2-7-89, Cl. 235-492.000.

Shigenaga, Yoshimi, to Casio Computer Co., Ltd. IC card system. 4,809,326, 2-28-89, Cl. 380-23.000.

Shigenaga, Yoshimi, to Casio Computer Co., Ltd. Private telephone system using a personal code number to access the telephone nearest to the code number holder. 4,852,156, 7-25-89, Cl. 379-172.000.

Shigenaga, Yoshimi: *See—*
Nakano, Harumi; and Shigenaga, Yoshimi, 4,810,862, Cl. 235-380.000.

Shigenai, Osamu: *See—*
Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.

Shigenaka, Keitaro, to Kabushiki Kaisha Toshiba. Semiconductor light-detecting device with alloyed isolating region. 4,868,622, 9-19-89, Cl. 357-30.000.

Shigenaka, Makoto: *See—*
Kashihara, Teruo; and Shigenaka, Makoto, 4,844,326, Cl. 228-182.000.

Shigenaka, Toshinori; and Kusaka, Iwao, to Babcock Hitachi Kabushiki Kaisha. Waste heat recovery boiler. 4,799,461, 1-24-89, Cl. 122-7.00R.

Shigeno, Yasuhiro: *See—*
Yoshino, Katsumi; and Shigeno, Yasuhiro, 4,836,653, Cl. 350-341.000.

Shigenobu, Michio: *See—*
Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.

Shigeoka, Kenichiro: *See—*
Shiga, Shujiro; Nagata, Hideo; and Shigeoka, Kenichiro, 4,801,371, Cl. 204-418.000.

Shigeru Kogyo Kabushiki Kaisha: *See—*
Araki, Kazuo; Matsumoto, Seiji; Kobayashi, Yoshio; and Fukushima, Hisao, 4,847,034, Cl. 264-550.000.

Shigeru, Suzuki: *See—*
Masahiro, Ishikawa; and Shigeru, Suzuki, 4,823,164, Cl. 355-72.000.

Shigeta, Isamu: *See—*
Izutani, Kouji; and Shigeta, Isamu, 4,844,793, Cl. 210-97.000.

Shigeta, Katsuyoshi: *See—*
Kannagi, Reiji; Shigeta, Katsuyoshi; Ito, Yukihiko; Kirihata, Yoshiko; and Ogawa, Tomoya, 4,885,358, Cl. 530-387.000.

Shigeta, Masatomo; Abe, Hikonori; and Nishiyama, Shinichi, to Kureha Kagaku Kogyo Kabushiki Kaisha. X ray-transparent electrode for a living body. 4,800,887, 1-31-89, Cl. 128-639.000.

Shigeta, Masatomo: *See—*
Fukuda, Hiroyuki; Shigeta, Masatomo; Ohuchi, Kiyomi; Kaji, Hisatsugu; Saitoh, Kuniyuki; and Funabashi, Masayuki, 4,818,640, Cl. 429-38.000.
Fukuda, Hiroyuki; Shigeta, Masatomo; Kaji, Hisatsugu; and Saitoh, Kuniyuki, 4,855,092, Cl. 264-29.500.

Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, to Sharp

Kabushiki Kaisha. Heteroepitaxial growth of SiC on Si. 4,865,659, 9-12-89, Cl. 148-33.000.
Shigeta, Toshio; Muto, Yoshiyuki; and Etani, Tadao, to Japan Tobacco Inc.; and Tokyo Automatic Machinery Works Ltd. Apparatus for automatically threading the leading edge of a spooled web into a conveying passage. 4,840,320, 6-20-89, Cl. 242-58.000.
Shigeta, Tsutomu: *See—*
Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.
Shigeta, Yoshifumi: *See—*
Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, 4,840,296, Cl. 222-600.000.
Shigeta, Yukio; Harano, Yutaka; Yamada, Shigeki; and Takahaski, Yoshinori, to Kabushiki Kaisha Kyoto Daiichi Kagaku; and Kabushiki Kaisha Sanwa Kagaku Kenkyusho. Composition used for the determination of beta-hydroxybutyric acid and a method for preparing the said composition. 4,803,158, 2-7-89, Cl. 435-25.000.
Shigetomi, Kazuo: *See—*
Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kamimura, Takaya; and Ishida, Hideki, 4,839,881, Cl. 369-75.200.
Shigetomi, Tadatoshi: *See—*
Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, 4,887,687, Cl. 180-219.000.
Shigetoyo, Hiromi, to Nihon Naishi Co., Ltd. Volatile insecticide emitter. 4,860,488, 8-29-89, Cl. 43-129.000.
Shigihara, Hideo, to Kabushiki Kaisha Toshiba. Circuit for preventing a microcomputer from malfunctioning. 4,868,817, 9-19-89, Cl. 371-4.000.
Shigihara, Kimiko; Nakayama, Masahiro; and Kurano, Akira, to Hitachi, Ltd. Method of controlling erasing following format writing in a magnetic disc apparatus. 4,814,904, 3-21-89, Cl. 360-60.000.
Shigyo, Hiromichi: *See—*
Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,886,822, Cl. 514-357.000.
Shih, Chien-Cheng; Hulse, Darcel L.; and Albertson, Walter, to Union Oil Company of California. Static, gravity-flow mixing apparatus for particulate matter. 4,813,788, 3-21-89, Cl. 366-337.000.
Shih, Chuan; and Taylor, Edward C., to Trustees of Princeton University, The; and Eli Lilly and Company. N-(5,6,7,8-tetrahydropyrido[2,3-d]pyrimidin-6-yl-alkanoyl)-glutamic acid derivatives. 4,882,333, 11-21-89, Cl. 514-258.000.
Shih, Chuan; and Taylor, Edward C., to Princeton University, The Trustees of; and Eli Lilly and Company. N-(5,6,7,8-tetrahydropyrido]2,3-d]pyrimidin-6-ylethl-thineyl-and furylcarbonyl)-glutamic acid derivatives. 4,882,334, 11-21-89, Cl. 514-258.000.
Shih, Chuan: *See—*
Taylor, Edward C.; Beardsley, George P.; and Shih, Chuan, 4,833,145, Cl. 514-258.000.
Taylor, Edward C.; Harrington, Philip M.; and Shih, Chuan, 4,871,743, Cl. 514-272.000.
Taylor, Edward C.; Hamby, James M.; and Shih, Chuan, 4,871,746, Cl. 514-303.000.
Taylor, Edward C.; and Shih, Chuan, 4,889,859, Cl. 514-258.000.
Shih, Da-Yuan: *See—*
Arnold, Anthony F.; Corso, Joseph A.; Kapur, Shukla; Lange, Walter F.; and Shih, Da-Yuan, 4,835,593, Cl. 357-71.000.
Boss, David W.; Carr, Timothy W.; Dubetsky, Derry J.; Greenstein, George M.; Grobman, Warren D.; Hayunga, Carl P.; Kumar, Amanda H.; Lange, Walter F.; Massey, Robert H.; Palmatier, Paul H.; Romano, John A.; and Shih, Da-Yuan, 4,880,661, Cl. 428-209.000.
Shih, David H.: *See—*
Barash, Louis; Christensen, Burton G.; Hannah, John; Leanza, William J.; and Shih, David H., 4,839,352, Cl. 514-210.000.
Shih, Frederick S., to United States of America, Agriculture. Partially deamidated oilseed proteins and process for the preparation thereof. 4,824,940, 4-25-89, Cl. 530-377.000.
Shih, Hsu-Shen. Toy balance concept-developing device. 4,871,314, 10-3-89, Cl. 434-194.000.
Shih, Hung-Dah: *See—*
Plumton, Donald L.; Tran, Liem T.; and Shih, Hung-Dah, 4,868,633, Cl. 357-67.000.
Shih, Kelvin; and Hochstein, Peter A. Audio transducer. 4,809,339, 2-28-89, Cl. 381-110.000.
Shih, Kun M.: *See—*
Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., 4,868,294, Cl. 540-222.000.
Shih, Lei-Chen. Paper shifting apparatus for toilet seats. 4,856,694, 8-15-89, Cl. 226-134.000.
Shih, Liang, to Eastman Kodak Company. High-speed non-contact linear motor with magnetic levitation. 4,857,781, 8-15-89, Cl. 310-12.000.
Shih, Lih-Bin: *See—*
Billman, Fred L.; Shih, Lih-Bin; and Verbrugge, Calvin J., 4,871,323, Cl. 526-272.000.
Shih, Meng-Fu; Cochran, Mark D.; and Macdonald, Richard D., to PruTech Research and Development Partnership. Attenuated pseudorabies virus which has a deletion in at least a portion of a repeat sequence and vaccine containing same. 4,877,737, 10-31-89, Cl. 435-235.000.
Shih, Nan C. Tubular door lock with a bell. 4,800,833, 1-31-89, Cl. 116-10.000.
Shih, Nan C. Tubular door lock with a bell. 4,862,922, 8-1-89, Cl. 292-336.300.
Shih, Shan: *See—*
Trachman, Edward G.; Shih, Shan; and Arzoian, John, 4,872,374, Cl. 74-731.000.
Trachman, Edward G.; Shih, Shan; and Arzoian, John, 4,872,375, Cl. 74-731.000.
Shih, Shih-Ming; Spanel, Richard J.; Yamamoto, Kenneth G.; and Yu, Mantle M., to International Business Machines Corporation. Disk file digital servo control system with multiple sampling rate. 4,835,632, 5-30-89, Cl. 360-78.040.
Shih, Stuart S.: *See—*
Fischer, Ronald H.; LaPierre, Rene B.; Shih, Stuart S.; and Varghese, Philip, 4,828,677, Cl. 208-89.000.
Kennedy, Clinton R.; and Shih, Stuart S., 4,846,959, Cl. 208-97.000.
Shih, Thomas L.: *See—*
Mrozik, Helmut; and Shih, Thomas L., 4,831,016, Cl. 514-30.000.
Shih, Wei-Ren: *See—*
Hsia, Steve K.; Mahal, Pritpal S.; and Shih, Wei-Ren, 4,861,730, Cl. 437-43.000.
Shih, Wen-Cheng: *See—*
Ma, Chen-chi M.; and Shih, Wen-Cheng, 4,873,128, Cl. 427-434.700.
Shih, Yih-Cheng: *See—*
Baker, John M.; Callegari, Alessandro C.; Lacey, Dianne L.; and Shih, Yih-Cheng, 4,853,346, Cl. 437-184.000.
Shihabi, David S.: *See—*
Absil, Robert P. L.; Han, Scott; Marler, David O.; and Shihabi, David S., 4,851,604, Cl. 585-475.000.
Bowes, Emmerson; Chang, Clarence D.; Han, Scott; and Shihabi, David S., 4,876,411, Cl. 585-533.000.
Chang, Clarence D.; Chu, Cynthia T-W.; Chu, Pochen; Dessau, Ralph M.; Garwood, William E.; Kuehl, Guenter H.; Miale, Joseph N.; and Shihabi, David S., 4,876,228, Cl. 502-71.000.
Shihao, Ying, to Hospital Attached to Tianjin Academy of Medical Sciences, The. Oculistics pharmaceutical compoisition for cataract treatment. 4,870,106, 9-26-89, Cl. 514-567.000.
Shihata, Alfred A., to Vance Products Incorporated. Device and method for intravaginal, barrier-type prevention of conception and infection. 4,858,624, 8-22-89, Cl. 128-834.000.
Shiho, Makoto, to Canon Kabushiki Kaisha. Magnetooptical information recording apparatus having intensified magnetic flux applying means. 4,849,952, 7-18-89, Cl. 369-13.000.
Shiho, Makoto: *See—*
Baba, Hisatoshi; Imokawa, Naoki; and Shiho, Makoto, 4,841,407, Cl. 361-146.000.
Koyama, Osamu; Uzuki, Kazuo; Shiho, Makoto; and Aoi, Shigeru, 4,853,917, Cl. 369-44.000.
Miyajima, Yoshikazu; and Shiho, Makoto, 4,843,600, Cl. 369-13.000.
Shiiba, Kengo: *See—*
Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiiba, Kengo; and Yoshikawa, Mitsuhiko, 4,803,581, Cl. 360-113.000.
Shiiba, Kiwamu: *See—*
Endo, Shigeru; Negishi, Yoshie; and Shiiba, Kiwamu, 4,871,577, Cl. 426-653.000.
Shiiba, Yoshio: *See—*
Kawai, Shinichi; Fukazawa, Eiji; Miyashita, Hiroshi; and Shiiba, Yoshio, 4,813,529, Cl. 198-468.600.
Shiibayashi, Masao: *See—*
Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,818,125, Cl. 418-15.000.
Shiiki, Kazuo: *See—*
Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, 4,881,144, Cl. 360-125.000.
Shiiki, Masatoshi: *See—*
Migita, Masahito; Kanehisa, Osam; Shiiki, Masatoshi; and Yamamoto, Hajime, 4,862,033, Cl. 313-502.000.
Shiiki, Zenya; Katto, Takayuki; Iizuka, Yo; Iwasaki, Takao; and Kouyama, Toshitaka, to Kureha Kagaku Kogyo Kabushiki Kaisha. Para-phenylene sulfide block copolymers, process for the production of the same and use thereof. 4,795,671, 1-3-89, Cl. 428-209.000.
Shiiki, Zenya: *See—*
Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,820,759, Cl. 524-413.000.
Ichikawa, Yukio; Katto, Takayuki; and Shiiki, Zenya, 4,868,240, Cl. 524-609.000.
Iizuka, Yo; Iwasaki, Takao; Katto, Takayuki; and Shiiki, Zenya, 4,812,539, Cl. 526-62.000.
Iwasaki, Takao; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,814,430, Cl. 528-388.000.
Kawakami, Yukichika; Iwasaki, Takao; and Shiiki, Zenya, 4,810,566, Cl. 428-220.000.
Kobayashi, Akio; Kouyama, Toshitaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,801,416, Cl. 264-177.100.
Kouyama, Toshitaka; Egawa, Harunobu; Iizuka, Yo; and Shiiki, Zenya, 4,816,335, Cl. 428-364.000.
Kouyama, Toshitaka; Katto, Takayuki; Iwasaki, Takao; Iizuka, Yo; and Shiiki, Zenya, 4,863,669, Cl. 264-532.000.
Satake, Yoshikatsu; Kashiwadate, Ken; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,826,906, Cl. 524-381.000.

Satake, Yoshikatsu; Iizuka, Yo; Kouyama, Toshitaka; Katto, Takayuki; and Shiiki, Zenya, 4,873,283, Cl. 524-520.000.
Satake, Yoshikatsu; Kaneko, Takashi; Kobayashi, Yutaka; Iizuka, Yo; Katto, Takayuki; and Shiiki, Zenya, 4,886,871, Cl. 528-226.000.
Shiina, Haruo, to Honda Giken Kogyo Kabushiki Kaisha. Heat-resisting high-strength Al-alloy and method for manufacturing a structural member made of the same alloy. 4,834,941, 5-30-89, Cl. 420-532.000.
Shiina, Haruo, to Honda Giken Kogyo Kabushiki Kaisha. Method of manufacturing heat resistant, high-strength structural members of sintered aluminum alloy. 4,853,179, 8-1-89, Cl. 419-28.000.
Shiina, Haruo, to Honda Giken Kogyo Kabushiki Kaisha. Heat-resisting high-strength Al-alloy and method for manufacturing a structural member made of the same alloy. 4,867,806, 9-19-89, Cl. 148-11.50P.
Shiina, Jun: *See—*
Nasu, Tetsuji; and Shiina, Jun, 4,874,200, Cl. 296-197.000.
Shiina, Koji: *See—*
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Shiino, Masaru: *See—*
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Hori, Tomoshige; Shiinoki, Yasuhiko; and Itoh, Kensuke, 4,882,571, Cl. 338-28.000.
Shioya, Toshiaki; and Shiinoki, Yasuhiko, 4,814,274, Cl. 435-174.000.
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Fukui, Shoxin; Shijo, Masayoshi; and Aoyama, Hirokazu, 4,835,300, Cl. 560-25.000.
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Fujiwara, Masahiko; Shikada, Minoru; and Kaede, Kazuhisa, 4,807,227, Cl. 370-3.000.
Shikakura, Akihiro; Takahashi, Koji; Takei, Masahiro; and Sasatani, Tomohiko, to Canon Kabushiki Kaisha. Encoder. 4,885,637, 12-5-89, Cl. 358-133.000.
Shikama, Shinsuke; Kondo, Mitsushige; and Toide, Eiichi, to Mitsubishi Denki Kabushiki Kaisha. Optical head device having positionally adjustable parts. 4,797,545, 1-10-89, Cl. 250-201.000.
Shikama, Shinsuke; Toide, Eiichi; and Kondo, Mitsushige, to Mitsubishi Denki Kabushiki Kaisha. Optical head with laser having particular source of driving current. 4,811,329, 3-7-89, Cl. 369-116.000.
Shikama, Shinsuke; Kondo, Mitsushige; and Tiode, Eiichi, to Mitsubishi Denki Kabushiki Kaisha. Optical head device having deflection means including means for reducing reflected light angle. 4,823,335, 4-18-89, Cl. 369-112.000.
Shikama, Shinsuke; and Toide, Eiichi, to Mitsubishi Denki Kabushiki Kaisha. Signal to noise ratio of optical head apparatus employing semiconductor laser beam source. 4,835,761, 5-30-89, Cl. 369-122.000.
Shikama, Shinsuke; Toide, Eiichi; Kondou, Mitsushige; and Iwata, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Optical head apparatus. 4,888,760, 12-19-89, Cl. 369-122.000.
Shikama, Shinsuke: *See—*
Toide, Eiichi; Shikama, Shinsuke; and Kondo, Mitsushige, 4,817,072, Cl. 369-44.000.
Shikama, Takashi; Nakamura, Toshikazu; and Torii, Kiyofumi, to Murata Manufacturing Co., Ltd. Method of assembling cylindrical heater. 4,831,241, 5-16-89, Cl. 219-544.000.
Shikamori, Tamotu: *See—*
Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, 4,868,944, Cl. 8-158.000.
Shikanai, Naoki; Okuhara, Tetsuo; and Tanaka, Koji, to Hitachi, Ltd. Print control apparatus. 4,834,562, 5-30-89, Cl. 400-54.000.
Shikano, Yoshirou; and Hayashi, Shinichirou, to Mitsubishi Denki Kabushiki Kaisha. Electromagnetic shield for electromagnetic apparatus. 4,806,896, 2-21-89, Cl. 336-73.000.
Shikata, Shinichi; and Hayashi, Hideki, to Sumitomo Electric Industries, Ltd. Method of producing the gate electrode of a field effect transistor. 4,859,618, 8-22-89, Cl. 437-41.000.
Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, to Kabushiki Kaisha Toshiba; and Toshiba Ceramics Co., Ltd. Lapping tools and method of manufacturing the same. 4,867,803, 9-19-89, Cl. 148-3.000.
Shikhlinsky, Talat M. O.: *See—*
Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
Shikibo Ltd.: *See—*
Fujimura, Shoji; and Kawai, Toru, 4,802,282, Cl. 33-12.000.
Shikichi, Satoshi; Aoki, Akio; and Minoura, Kazuo, to Canon Kabushiki Kaisha. Optical information record/regenerating apparatus with device for prohibiting movement of optical head. 4,800,546, 1-24-89, Cl. 369-44.000.
Shikichi, Satoshi; and Hosoya, Hideki, to Canon Kabushiki Kaisha. Optical information recording and reproducing apparatus. 4,888,756, 12-19-89, Cl. 369-45.000.
Shikinami, Yasuo; Hata, Kunihiro; and Ohmura, Yutaka, to Takiron Co., Ltd. Sticking agent of ionic-conductive polymer. 4,855,077, 8-8-89, Cl. 252-518.000.
Shikino, Kazuto: *See—*
Misono, Shigemi; Ueda, Makoto; Shikino, Kazuto; Torii, Tomoyuki; Ishiyama, Keiichi; and Aoyagi, Toshiharu, 4,796,036, Cl. 346-108.000.
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Shikoku Chemicals Corporation: *See—*
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Sawa, Natsuo; Masuda, Takeshi; Murai, Takayuki; Okazaki, Singi; Miyauchi, Yukio; and Ito, Masayuki, 4,826,991, Cl. 548-341.000.
Shikoku Electric Power Co., Inc.: *See—*
Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
Shikoku Kakoki Co., Ltd.: *See—*
Iuchi, Tetsuya; Nobuta, Masao; and Hashimoto, Seiji, 4,866,907, Cl. 53-299.000.
Joo, Katsuhiro; and Ogasa, Yoshinao, 4,826,701, Cl. 426-573.000.
Kume, Tadaaki; Saijo, Yoshihiro; and Fujikawa, Yasuji, 4,838,847, Cl. 493-133.000.
Shimokawa, Masao, 4,798,337, Cl. 239-570.000.
Shimokawa, Masao; and Hamada, Hisanori, 4,877,067, Cl. 141-129.000.
Ueda, Kazuo, 4,865,203, Cl. 206-606.000.
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Yoshida, Kiyomi; Iwano, Fumiyuki; and Hayashi, Kojiro, 4,804,356, Cl. 493-206.000.
Shiley Incorporated: *See—*
Eisele, Robert F., 4,852,565, Cl. 128-207.140.
Kamiya, Tadao; and Leader, Matthew J., 4,822,127, Cl. 350-96.150.
Leader, Matthew J.; and Kamiya, Tadao, 4,833,091, Cl. 436-133.000.
Lubock, Paul; and Sullivan, Mike, 4,801,015, Cl. 206-438.000.
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Idriss, Samir F., 4,838,887, Cl. 604-891.100.
Johnston, Jimmie T.; and Sampson, Edward J., 4,886,501, Cl. 604-175.000.
Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, to Southern Illinois University, The Board of Trustees of; and Illinois State Geological Survey, The. Desulfurization of carbonaceous materials. 4,888,029, 12-19-89, Cl. 44-622.000.
Shilhavy, Ronald A.: *See—*
Navin, James P.; Shilhavy, Ronald A.; and Christensen, Gary M., 4,880,150, Cl. 222-346.000.
Shill, Alison L.: *See—*
Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shill, Alison L., 4,795,761, Cl. 514-652.000.
Curtis-Prior, Peter B.; Leslie, Stewart T.; Miller, Ronald B.; and Shill, Alison L., 4,804,674, Cl. 514-400.000.
Shilo, Moshe; and Fattom, Ali, to Yissum Research Development Company of the Hebrew University of Jerusalem; and Solmat Systems Ltd. Dispersing liquid hydrocarbon into a second liquid. 4,826,624, 5-2-89, Cl. 252-312.000.
Shiloh, Adam: *See—*
Shiloh, Avraham; Shiloh, Adam; and Shiloh, Peretz J., 4,840,204, Cl. 140-105.000.
Shiloh, Avraham; Shiloh, Adam; and Shiloh, Peretz J. Axial component lead cutter and former. 4,840,204, 6-20-89, Cl. 140-105.000.
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Shiloh, Avraham; Shiloh, Adam; and Shiloh, Peretz J., 4,840,204, Cl. 140-105.000.
Shim-A-Line, Inc.: *See—*
Specktor, Gerald A.; and Specktor, John, 4,831,744, Cl. 33-600.000.
Specktor, John; and Specktor, Gerald A., 4,838,573, Cl. 280-661.000.
Shima, Akihiro; and Susaki, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,813,050, 3-14-89, Cl. 372-45.000.
Shima, Atsushi; Fujita, Naoki; and Kamada, Kozo, to Fanuc Ltd. Conversational-type programming apparatus. 4,823,253, 4-18-89, Cl. 364-167.010.

Shima, Atsushi; and Otsuki, Toshiaki, to Fanuc Ltd. Method for inspection of cutting locus control program. 4,831,542, 5-16-89, Cl. 364-474.260.

Shima, George T., to Unisys Corporation. Encrtption of messages employing unique control words and randomly chosen encryption keys. 4,809,327, 2-28-89, Cl. 380-44.000.

Shima, Hiromi: *See—*

Ohnishi, Youichi; Okuda, Akira; Shima, Hiromi; and Mizuguchi, Shinichi, 4,812,712, Cl. 315-176.000.

Shima, Hisaharu: *See—*

Kasai, Naoya; Shima, Hisaharu; and Tsujimura, Kazuya, 4,840,907, Cl. 435-253.300.

Shima, Kenji: *See—*

Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.

Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshito; Shin, Sadahito; and Shima, Kenji, 4,837,170, Cl. 436-548.000.

Shimotani, Mitsuo; Hibino, Masahiro; and Shima, Kenji, 4,833,714, Cl. 381-47.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.

Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.

Shima, Koichi; and Tomizu, Motoyuki, to Omron Tateisi Electronics Company. Electric female connector piece. 4,880,401, 11-14-89, Cl. 439-746.000.

Shima, Koji: *See—*

Koga, Kunio; Shima, Koji; and Samejima, Mutsumi, 4,883,912, Cl. 562-608.000.

Shima, Kotaro; Ohba, Masaharu; and Nonaka, Masakatsu, to Toyota Jidosha Kabushiki Kaisha. Air suspension system with an air drier. 4,881,753, 11-21-89, Cl. 280-707.000.

Shima, Seiya: *See—*

Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.

Inaba, Hiromi; Shima, Seiya; Ando, Takeki; Kurosawa, Toshiaki; and Mitsui, Nobuo, 4,833,586, Cl. 363-41.000.

Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.

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Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,836,864, Cl. 148-16.500.

Shima, Yasuo: *See—*

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Shima, Yoshiharu, to Nissei Jushi Kogyo Kabushiki Kaisha. Mold clamping device. 4,865,537, 9-12-89, Cl. 425-590.000.

Shima, Yoshinobu: *See—*

Ohmura, Masanori; Sakama, Hiroshi; Araki, Kenji; Kamio, Hiroshi; and Shima, Yoshinobu, 4,848,272, Cl. 118-725.000.

Shimabukuro, Yoshinobu. Wooden synthetic beam. 4,843,777, 7-4-89, Cl. 52-729.000.

Shimada, Fumio: *See—*

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Tsuchino, Hisanori; Kano, Akiko; Nakano, Kuniaki; and Shimada, Fumio, 4,825,085, Cl. 250-484.100.

Shimada, Fumiyo: *See—*

Umemoto, Isao; Shimada, Fumiyo; and Mitsuno, Yuichiro, 4,885,109, Cl. 252-174.210.

Shimada, Haruo; and Sakakibara, Yoshiaki, to Nippon Steel Corporation. Concrete reinforcing steel bar or wire. 4,836,981, 6-6-89, Cl. 420-79.000.

Shimada, Haruo; and Sakakibara, Yoshiaki, to Nippon Steel Corporation. Seawater-corrosion-resistant non-magnetic steel materials. 4,844,865, 7-4-89, Cl. 420-79.000.

Shimada, Haruo; and Sakakibara, Yoshiaki, to Nippon Steel Corporation. Seawater-corrosion-resistant non-magnetic steel materials. 4,861,548, 8-29-89, Cl. 420-79.000.

Shimada, Hiroaki: *See—*

Furutani, Yoshio; Tomioka, Noboru; Honjo, Masaru; Manabe, Kazuaki; and Shimada, Hiroaki, 4,824,782, Cl. 435-172.300.

Shimada, Hiromi: *See—*

Oshima, Shinji; and Shimada, Hiromi, 4,810,458, Cl. 264-555.000.

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Shimada, Junichi: *See—*

Fujisawa, Norio; Sakamoto, Toshishige; Ito, Toshiyasu; and Shimada, Junichi, 4,872,745, Cl. 350-357.000.

Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.

Shimada, Katsuhiko: *See—*

Matsumoto, Tsuruyoshi; Shimada, Katsuhiko; and Uozu, Yoshihiro, 4,836,642, Cl. 350-96.340.

Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, 4,798,445, Cl. 350-96.340.

Shimada, Kazuhiko; Hamada, Tetsurou; Masuda, Katsuhiko; and Shibuya, Kazunori, to Honda Giken Kogyo Kabushiki Kaisha. Drive power transmission device. 4,848,506, 7-18-89, Cl. 180-248.000.

Shimada, Kazuhiko: *See—*

Hamada, Tetsuro; Masuda, Katsuhiko; Shibuya, Kazunori; Shimada, Kazuhiko; Fujii, Etsuo; Ikegami, Hiroshi; and Furuya, Kunitaka, 4,878,566, Cl. 192-13.00R.

Hamada, Tetsuro; Shimada, Kazuhiko; Masuda, Katsuhiko; and Shibuya, Kazunori, 4,889,353, Cl. 180-233.000.

Ikegami, Hiroshi; Muto, Tetsuji; Hamada, Tetsuro; Masuda, Katsuhiko; Shimada, Kazuhiko; and Shibuya, Kazunori, 4,886,141, Cl. 180-233.000.

Masuda, Katsuhiko; Hamada, Tetsuro; Shibuya, Kazunori; and Shimada, Kazuhiko, 4,829,849, Cl. 74-650.000.

Masuda, Katsuhiko; Shimada, Kazuhiko; Hamada, Tetsuro; and Shibuya, Kazunori, 4,848,507, Cl. 180-248.000.

Shibuya, Kazunori; Hamada, Tetsuro; Masuda, Katsuhiko; and Shimada, Kazuhiko, 4,825,724, Cl. 74-710.500.

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Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,800,482, Cl. 364-140.000.

Hosaka, Masao; Shimada, Kazutoshi; and Sakamaki, Hisashi, 4,857,960, Cl. 355-208.000.

Hosaka, Masao; Ogino, Yoshitaka; Shimada, Kazutoshi; and Saito, Takashi, 4,882,778, Cl. 364-187.000.

Yamakawa, Tadashi; Shimada, Kazutoshi; and Ogino, Yoshitaka, 4,811,052, Cl. 355-14.00C.

Shimada, Kazuyuki, to Rioch Company, Limited. Method of generating image scanning clock signals in optical scanning apparatus. 4,796,095, 1-3-89, Cl. 358-285.000.

Shimada, Kazuyuki, to Ricoh Company, Ltd. Optical scanning method 4,813,046, 3-14-89, Cl. 372-38.000

Shimada, Kazuyuki; Nakajima, Tomohiro; Kotabe, Hiroaki; Yamanobe, Kouji; and Yamazaki, Kozo, to Ricoh Co., Ltd. Imaging by laser beam scanning. 4,853,710, 8-1-89, Cl. 346-108.000.

Shimada, Kazuyuki, to Ricoh Company, Ltd. Recording signal generating circuit for printing. 4,855,841, 8-8-89, Cl. 358-296.000.

Shimada, Kazuyuki; and Shibata, Isamu, to Ricoh Company, Ltd. Semiconductor laser control circuit. 4,856,011, 8-8-89, Cl. 372-38.000

Shimada, Kazuyuki, to Ricoh Company, Ltd. Pixel density variable image apparatus. 4,862,289, 8-29-89, Cl. 358-298.000.

Shimada, Kazuyuki: *See—*

Senma, Toshitaka; Imamura, Tomoatsu; and Shimada, Kazuyuki, 4,856,008, Cl. 372-31.000.

Sugimura, Keiichi; Takeyama, Yoshinobu; and Shimada, Kazuyuki, 4,835,780, Cl. 372-29.000.

Shimada, Keiichiro; Takada, Shinji; Ishihara, Mitsugu; and Machida, Yukihiko, to Sony Corporation. Communication system for video information apparatus. 4,821,032, 4-11-89, Cl. 340-825.210.

Shimada, Keiichiro; Wakahara, Tatsuya; and Shibuya, Noboru, to Sony Corporation. Remote-controlling commander with multi-function rotary dial. 4,866,542, 9-12-89, Cl. 360-10.300.

Shimada, Keizo; Aoyama, Toshihiro; and Yoshida, Hidetsugu, to Teijin Limited. Polycarbosilastyrene copolymer, method for producing the same, and process for producing shaped silicon carbide article from the same. 4,826,892, 5-2-89, Cl. 522-148.000.

Shimada, Kenji, to International Business Machines Corporation. Object collision detection method and apparatus. 4,888,707, 12-19-89, Cl. 364-513.000.

Shimada, Kenji: *See—*

Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.

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Sato, Takeshi; Fukase, Katsuya; Shimada, Kiyotaka; and Uchida, Hirofumi, 4,867,839, Cl. 156-630.000.

Shimada, Lynn M.; Lowery, Guy R.; and Lieber, Glen L., to Baxter Travenol Laboratories, Inc. Valvuloplasty catheter and method. 4,819,751, 4-11-89, Cl. 128-344.000.

Shimada, Makoto, to Tachi-S Co., Ltd. Automotive seat. 4,795,215, 1-3-89, Cl. 297-452.000.

Shimada, Makoto, to Tachi-S Co., Ltd. Apparatus for manufacturing automotive seats. 4,799,988, 1-24-89, Cl. 156-475.000.

Shimada, Makoto; and Dogahara, Takashi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle engine controller. 4,811,713, 3-14-89, Cl. 123-399.000.

Shimada, Makoto, to Tachi-S Co., Ltd. Apparatus for manufacturing a seat. 4,818,331, 4-4-89, Cl. 156-485.000.

Shimada, Makoto, to Tachi-S Co., Ltd. Automotive seat and method of forming same. 4,840,430, 6-20-89, Cl. 297-452.000.

Shimada, Makoto, to Tachi-S Company, Ltd. Method of forming an automotive seat having a cover inserted in a lateral groove. 4,851,070, 7-25-89, Cl. 156-293.000.

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Shimada, Masahiko: *See—*

Matsushita, Ken-ichi; Okamoto, Taira; Shimada, Masahiko; and Takeuchi, Hisao, 4,794,798, Cl. 73-789.000.

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Saitoh, Shigeru; and Shimada, Masaki, 4,806,318, Cl. 422-251.000

Shimada, Masakichi: *See—*

Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.

Shimada, Masaru: *See—*

Hipple, James E.; Dionne, Gerald L.; Torii, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, 4,883,968, Cl. 250-423.00R.

Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, 4,880,768, Cl. 503-227.000.

Torii, Yasuhiro; Matsuo, Seitaro; Watanabe, Iwao; and Shimada, Masaru, 4,857,809, Cl. 315-111.310.

Shimada, Masato: *See—*

Amano, Jiro; Shimada, Masato; Takano, Kouzou; and Tohyama, Shunroku, 4,803,116, Cl. 428-286.000.

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Shimada, Michio, to NEC Corporation. Error-correcting bit-serial decoder. 4,853,930, 8-1-89, Cl. 371-43.000.

Shimada, Michio, to NEC Corporation. Error-correcting decoder for rapidly dealing with buffer overflow. 4,878,221, 10-31-89, Cl. 371-43.000.

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Masuko, Shogo; Shimada, Morihiro; and Fujii, Hiroshi, 4,863,266, Cl. 356-152.000.

Shimada, Naohiro: *See—*

Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.

Shimada, Naoko: *See—*

Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.

Shimada, Noboru: *See—*

Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, 4,824,908, Cl. 525-99.000.

Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, to Nippon Kayaku Kabushiki Kaisha. Purine derivative. 4,845,215, 7-4-89, Cl. 544-265.000.

Shimada, Osamu: *See—*

Nakai, Toshio; Miyagi, Takeshi; and Shimada, Osamu, 4,855,537, Cl. 174-68.500.

Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, 4,803,375, Cl. 250-578.000.

Shimada, Satoru: *See—*

Chikuma, Isamu; Shimada, Satoru; and Eda, Hiroshi, 4,874,183, Cl. 280-91.000.

Shimada, Satoshi: *See—*

Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.

Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.

Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, 4,841,514, Cl. 369-100.000.

Shimada, Shigeho: *See—*

Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, 4,865,249, Cl. 236-92.00C.

Shimada, Shigeru; Kondoh, Akimitsu; and Miyazaki, Atsuo, to Hitachi, Ltd. Drawing information management system. 4,811,244, 3-7-89, Cl. 364-521.000.

Shimada, Shigeru, to Hitachi, Ltd. Graphic data processing method and system. 4,847,788, 7-11-89, Cl. 364-522.000

Shimada, Shinya: *See—*

Kakimoto, Hirofumi; Kiso, Osamu; and Shimada, Shinya, 4,803,112, Cl. 428-161.000.

Shimada, Shunsuke; and Sato, Takeshi, to Kyokado Engineering Co., Ltd.; and Sanshin Corporation. System for preparing ground-impregnating material. 4,842,780, 6-27-89, Cl. 261-64.300.

Shimada, Shunsuke; and Sato, Takeshi, to Kyokado Engineering Co., Ltd.; and Sanshin Corporation. Ground impregnating process. 4,851,259, 7-25-89, Cl. 427-136.000.

Shimada, Tadashi: *See—*

Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kuwabara, Shigeaki; Shimada, Tadashi; and Iida, Michihiro, 4,811,492, Cl. 33-366.000.

Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Variable swirl intake apparatus for engine. 4,834,035, 5-30-89, Cl. 123-188.00M.

Shimada, Takaji, to Nordson Corporation. Method for applying a moistureproof insulative coating to printed circuit boards using triangular or dovetail shaped liquid films emitted from a flat-pattern nozzle. 4,880,663, 11-14-89, Cl. 427-96.000.

Shimada, Takehiko: *See—*

Taniguchi, Kotaro; Shimada, Takehiko; Tanimoto, Shigekazu; and Nedzu, Shigeru, 4,869,864, Cl. 264-564.000.

Shimada, Takeichi: *See—*

Yamazaki, Yoshio; Uneme, Kazuhiko; and Shimada, Takeichi, 4,867,100, Cl. 118-657.000.

Shimada, Takeo; Isaka, Tsutomu; Okada, Noriyuki; Ishino, Iwao; and Usami, Nobuhiro, to Mitsubishi Petrochemical Co., Ltd. Fuel oil additive and fuel oil having improved flowability. 4,802,892, 2-7-89, Cl. 44-62.000.

Shimada, Takeo: *See—*

Oonishi, Akiyoshi; Ishino, Iwao; Shimada, Takeo; and Ozeki, Yuji, 4,871,819, Cl. 526-245.000.

Shimada, Tetsuya; Itabashi, Satoshi; and Hatanaka, Katsunori, to Canon Kabushiki Kaisha. Photosensor with charge storage unit and switch unit formed on a single-crystal semiconductor film. 4,866,291, 9-12-89, Cl. 250-578.000.

Shimada, Tomoyuki; Sasaki, Masaomi; and Hashimoto, Mitsuru, to Ricoh Company, Ltd. Aromatic diolefinic compounds, aromatic diethyl compounds and electrophotographic photoconductors comprising one aromatic diethyl compound. 4,886,846, 12-12-89, Cl. 523-453.000.

Shimada, Tomoyuki: *See—*

Sasaki, Masaomi; and Shimada, Tomoyuki, 4,830,943, Cl. 430-58.000.

Shimada, Toshiaki. Rotative tool for repairing electrodes for spot welding. 4,856,949, 8-15-89, Cl. 409-140.000.

Shimada, Toshikazu: *See—*

Furukawa, Seijiro; Etoh, Hiroyuki; Ishizaka, Akitoshi; and Shimada, Toshikazu, 4,885,614, Cl. 357-16.000.

Shimada, Toshio, to Technopark Mine Co., Ltd. Switching device for a plurality of RS232C interfaces. 4,866,667, 9-12-89, Cl. 364-900.000.

Shimada, Toshio: *See—*

Morita, Masasuke; Shimada, Toshio; and Kitazaki, Toshiro, 4,847,799, Cl. 364-709.120.

Shimada, Toshiro: *See—*

Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, 4,879,341, Cl. 525-66.000.

Shimada, Tsuneyuki; and Iguchi, Masaru, to Kane-M Industrial Co., Ltd. Female unit of a snap fastener. 4,847,959, 7-18-89, Cl. 24-671.000.

Shimada, Yasuhei, to NEC Corporation. Display information processing apparatus. 4,845,661, 7-4-89, Cl. 364-900.000.

Shimada, Yasuhiro; Fukuzawa, Hiroshi; and Ichijima, Seiji, to Fuji Photo Film Co., Ltd. Silver halide photographic material. 4,883,746, 11-28-89, Cl. 430-504.000.

Shimada, Yasuhiro: *See—*

Ichijima, Seiji; Shimada, Yasuhiro; and Arakawa, Jun, 4,837,136, Cl. 430-543.000.

Shimada, Yasuo; and Mouri, Fumitaka, to Kabushiki Kaisha Toshiba. Circuit for detecting on/off states of switches. 4,823,021, 4-18-89, Cl. 307-112.000.

Shimada, Yoshihiro; Fujihara, Tadafumi; Nagano, Chikara; and Tsukamoto, Katsuo, to Olympus Optical Co., Ltd. Schlieren optical device. 4,812,039, 3-14-89, Cl. 356-129.000.

Shimada, Yoshihiro: *See—*

Fujihara, Tadafumi; Shimada, Yoshihiro; Nagano, Chikara; and Tsukamoto, Katsuo, 4,852,985, Cl. 350-523.000.

Shimada, Yoshio: *See—*

Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shimada, Yoshio; and Watanabe, Shinya, 4,821,115, Cl. 358-75.000.

Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.

Shimadzu Corporation: *See—*

Adachi, Susumu; and Kamegawa, Masayuki, 4,804,854, Cl. 250-578.000.

Daimon, Hiroshi; and Ino, Shozo, 4,849,629, Cl. 250-305.000.

Kiri, Motosada; and Matsuoka, Takeshi, 4,868,393, Cl. 250-370.150.

Kita, Yasuo; and Sugawara, Ryosuke, 4,813,306, Cl. 74-687.000.

Kita, Yasuo; and Kita, Kazuyuki, 4,813,340, Cl. 91-488.000.

Kojima, Kiyotsugu; and Yamagata, Kouiichi, 4,833,089, Cl. 435-313.000.

Komoto, Akira, 4,799,561, Cl. 177-229.000.

Kumazawa, Yoshihiko; and Matsuyama, Tsunekazu, 4,857,722, Cl. 250-207.000.

Miseki, Kozo, 4,804,838, Cl. 250-288.000.

Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.

Nadai, Tanekazu; and Kawara, Toshio, 4,889,528, Cl. 604-65.000.

Nakagawa, Kazushige; Koh, Makoto; Sera, Kyoji; Ozeki, Tadashi; and Iwasaki, Masahiro, 4,872,394, Cl. 91-506.000.

Nakamura, Kenji; and Tokuhara, Yasutaka, 4,807,993, Cl. 356-323.000.

Ohkubo, Kunihiko; and Fujii, Hidehiko, 4,881,812, Cl. 356-344.000.

Oka, Syotaro; Kita, Junichi; Kuyama, Hiroki; and Kiri, Motosada, 4,867,850, Cl. 204-15.000.

Senda, Mitsugi; Ikeda, Tokuji; and Katasho, Isao, 4,820,399, Cl. 204-403.000.

Shibata, Kohichi, 4,847,909, Cl. 382-6.000.

Shimaguchi, Takashi: *See—*

Natori, Tatsuo; Shimaguchi, Takashi; Yamada, Toshihiro; and Yokoi, Kazuaki, 4,808,360, Cl. 264-221.000.

Natori, Tatsuo; Hioki, Susumu; Shimaguchi, Takashi; Yamada, Toshihiro; Watanabe, Akihide; and Kanekatsu, Kensuke, 4,812,278, Cl. 264-221.000.

Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,871,497, Cl. 264-86.000.

Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,883,621, Cl. 264-86.000.

Shimahara, Hironobu; Murata, Kazushige; and Takahashi, Hiroaki, to Inax Corporation. Slip casting mold. 4,867,662 9-19-89, Cl. 425-85.000.

- Shimai, Hideo, to Yoshida Kogyo K. K. Detecting apparatus for detecting reinforcing strip on slide fastener chain. 4,838,097, 6-13-89, Cl. 73-865.900.
- Shimai, Shunzo; Saito, Yoshio; Ando, Yawara; and Koseki, Takashi, to Toshiba Ceramics Co., Ltd. Translucent alumina ceramic tube and a process for making same. 4,799,601, 1-24-89, Cl. 220-21.00R.
- Shimai, Shunzo: *See—*
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
  - Yokoyama, Katsunori; Sato, Yukio; and Shimai, Shunzo, 4,862,030, Cl. 310-332.000.
- Shimakura, Masami, to Canon Kabushiki Kaisha. Information searching apparatus. 4,809,214, 2-28-89, Cl. 364-900.000.
- Shimamaki, Keiichi: *See—*
  - Anao, Kimiharu; Hori, Yoshitsugu; Shimamaki, Keiichi; and Sato, Tadashi, 4,870,225, Cl. 174-68.500.
- Shimamine, Takazumi. Package container for a pair of ornaments. 4,887,709, 12-19-89, Cl. 206-45.140.
- Shimamori, Tamotsu: *See—*
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,875,016, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,881,039, Cl. 328-26.000.
  - Nakamura, Hideaki; Shimamori, Tamotsu; and Murashige, Shinichi, 4,882,584, Cl. 341-139.000.
- Shimamoto, Haruo; and Ueda, Tetsuya, to Mitsubishi Denki Kabushiki Kaisha. Tape carrier for tape automated bonding process and a method of producing the same. 4,865,193, 9-12-89, Cl. 206-330.000.
- Shimamoto, Haruo: *See—*
  - Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713. Cl. 357-70.000.
  - Yagoura, Hideya; and Shimamoto, Haruo, 4,826,068, Cl. 228-5.100.
- Shimamoto, Hideki: *See—*
  - Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.
- Shimamoto, Kojiro: *See—*
  - Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.
- Shimamoto, Mamoru: *See—*
  - Kozaki, Tetsuji; Shimamoto, Mamoru; and Moriguchi, Kouichi, 4,834,419, Cl. 280-707.000.
  - Onogi, Nobuyoshi; Shimamoto, Mamoru; and Shinoda, Yoshio, 4,797,826, Cl. 364-426.040.
  - Onogi, Nobuyoshi; Shimamoto, Mamoru; Hoashi, Yosiaki; and Tago, Masakazu, 4,807,941, Cl. 303-108.000.
- Shimamune, Takayuki; and Hosonuma, Masashi, to Permelec Electrode, Ltd. Process for production of calcium phosphate compound-coated composite material. 4,818,572, 4-4-89, Cl. 427-327.000.
- Shimamune, Takayuki; and Hosonuma, Masashi, to Permelec Electrode, Ltd. Metal-metal oxide composites and a coating layer of calcium phosphate on the oxide layer. 4,847,163, 7-11-89, Cl. 428-469.000.
- Shimamune, Takayuki; Hosonuma, Masashi; and Matsumoto, Yukiei, to Permelec Electrode Ltd. Process for the production of a titanium composite materials coated with calcium phosphate compound. 4,882,196, 11-21-89, Cl. 427-2.000.
- Shimamune, Takayuki; and Hosonuma, Masashi, to Permelec Electrode Ltd. Process of producing titanium composite having a coil-shaped skeletal structure on the surface thereof. 4,889,685, 12-26-89, Cl. 419-9.000.
- Shimamune, Takayuki: *See—*
  - Ueda, Minoru; Watanabe, Akio; and Shimamune, Takayuki, 4,822,459, Cl. 204-38.100.
- Shimamune, Yuji, to Kabushiki Kaisha Toshiba. Sense amplifier circuit for semiconductor memory. 4,802,138, 1-31-89, Cl. 365-210.000.
- Shimamura, Akira, to Nisshin-DCA Foods, Inc. Process for preparing yeast raised doughnuts. 4,882,178, 11-21-89, Cl. 426-27.000.
- Shimamura, Goki: *See—*
  - Hirakushi, Shuzo; Hamasaki, Yoshiaki; and Shimamura, Goki, 4,850,447, Cl. 180-248.000.
- Shimamura, Haruo: *See—*
  - Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, 4,886,035, Cl. 123-588.000.
- Shimamura, Hiroshi: *See—*
  - Yasuda, Makoto; and Shimamura, Hiroshi, 4,833,882, Cl. 60-276.000.
- Shimamura, Keizo: *See—*
  - Kamohara, Hisato; Amano, Kagetaka; Horie, Hiromichi; Shimamura, Keizo; and Aisaka, Tatsuyoshi, 4,832,707, Cl. 51-307.000.
- Shimamura, Kunihiko: *See—*
  - Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.
- Shimamura, Masahiro: *See—*
  - Hirose, Yagoro; Miyagi, Yoshimitsu; Hirose, Kiko; Hino, Mitsuo; Harada, Masayuki; Eto, Takehiko; Iida, Tetsunari; and Shimamura, Masahiro, 4,806,307, Cl. 420-528.000.
- Shimamura, Masayoshi; Furukawa, Tadahiro; Murakami, Akiyoshi; and Haga, Toshio, to Kyodo Printing Co., Ltd. Color filter and method of producing the same. 4,837,098, 6-6-89, Cl. 430-7.000.
- Shimamura, Michiya: *See—*
  - Takak, Fumimaro; Urabe, Akio; Shimamura, Michiya; and Mizuno, Masao, 4,812,443, Cl. 514-143.000.
- Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, to Nissan Motor Co. Ltd. Pneumatic power brake system. 4,835,970, 6-6-89, Cl. 60-545.000.
- Shimamura, Morihiko; Satoh, Satoru; and Kobayashi, Michio, to Jidosha Kiki Co., Ltd. Parking maintaining apparatus for brake booster. 4,882,975, 11-28-89, Cl. 91-376.00R.
- Shimamura, Morihiko, to Jidosha Kiki Co., Ltd. Vacuum-type brake booster device having improved ease of mounting. 4,885,982, 12-12-89, Cl. 60-547.100.
- Shimamura, Norio; and Sudo, Taiji, to Tokyo Tatsuno Co., Ltd. Device for reading and writing magnetic and/or IC card as external memory. 4,833,310, 5-23-89, Cl. 235-479.000.
- Shimamura, Norio; and Sudo, Taiji, to Tokyo Tatsuno Co., Ltd. Device for reading/writing IC card as external memory. 4,835,375, 5-30-89, Cl. 235-479.000.
- Shimamura, Seiichi: *See—*
  - Okonogi, Shigeo; Tomita, Mamoru; Shimamura, Seiichi; Ishibashi, Norio; and Kudo, Tsutomu, 4,888,171, Cl. 424-93.000.
- Shimamura, Teruo; Sakatsuji, Takao; and Furukawa, Kazuo, to Kubota Ltd. Front mower. 4,829,754, 5-16-89, Cl. 56-15.900.
- Shimamura, Tooru: *See—*
  - Oku, Seiji; Shimamura, Tooru; Naganawa, Kazutomo; and Tanamura, Toshiya, 4,875,042, Cl. 340-870.170.
- Shimamura, Yoshihiro: *See—*
  - Semura, Norio; Tsuchida, Masumi; and Shimamura, Yoshihiro, 4,879,803, Cl. 29-598.000.
- Shimanaka, Chikafumi: *See—*
  - Wakamori, Takehisa; Ogawa, Takashi; Ito, Ryoji; and Shimanaka, Chikafumi, 4,872,257, Cl. 29-701.000.
- Shimane, Iwao: *See—*
  - Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,796,354, Cl. 29-608.000.
  - Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,808,934, Cl. 324-208.000.
  - Yokoyama, Toshio; Shimane, Iwao; and Konno, Tsuneo, 4,810,967, Cl. 324-208.000.
- Shimane, Teiichi: *See—*
  - Takano, Hiroshi; and Shimane, Teiichi, 4,807,239, Cl. 372-38.000.
- Shimano, Akio: *See—*
  - Katsu, Shin; Nambu, Shutaro; and Shimano, Akio, 4,883,985, Cl. 307-279.000.
- Shimano, Bruce E.; Geschke, Clifford C.; and Scarborough, David W., to Adept Technology, Inc. Database driven robot programming system and method. 4,835,730, 5-30-89, Cl. 364-513.000.
- Shimano, Bruce E.: *See—*
  - Allan, Donald R.; and Shimano, Bruce E., 4,795,306, Cl. 414-744.800.
- Shimano Industrial Company Limited: *See—*
  - Hitomi, Yasuhiro, 4,874,140, Cl. 242-223.000.
  - Kawabe, Yuzo, 4,824,045, Cl. 242-219.000.
  - Maeda, Yoshimi, 4,854,068, Cl. 43-18.500.
  - Morimoto, Shinichi, 4,854,524, Cl. 242-268.000.
  - Morimoto, Shinichi, 4,878,633, Cl. 242-268.000.
  - Myojo, Seiji; and Sato, Jun, 4,871,126, Cl. 242-84.10R.
  - Nagano, Masashi, 4,815,330, Cl. 74-475.000.
  - Nagano, Masashi, 4,823,915, Cl. 188-2.00D.
  - Nagano, Masashi, 4,832,662, Cl. 474-80.000.
  - Nagano, Masashi, 4,833,937, Cl. 74-501.50R.
  - Nagano, Masashi, 4,838,115 Cl. 74-594.400.
  - Nagano, Masashi, 4,838,401, Cl. 192-64.000.
  - Nagano, Masashi, 4,840,081, Cl. 74-502.200.
  - Nagano, Masashi, 4,840,085, Cl. 74-594.400.
  - Nagano, Masashi, 4,850,940, Cl. 474-80.000.
  - Nagano, Masashi, 4,852,698, Cl. 188-24.190.
  - Nagano, Masashi, 4,854,191, Cl. 74-750.00B.
  - Nagano, Masashi, 4,854,924, Cl. 474-140.000.
  - Nagano, Masashi, 4,861,320, Cl. 474-80.000.
  - Nagano, Masashi, 4,864,885, Cl. 74-502.200.
  - Nagano, Masashi, 4,869,709, Cl. 474-152.000.
  - Nagano, Masashi, 4,873,890, Cl. 74-594.400.
  - Nagano, Masashi, 4,889,521, Cl. 474-164.000.
  - Sato, Jun, 4,852,826, Cl. 242-270.000.
  - Sato, Jun, 4,867,392, Cl. 242-255.000.
  - Yamato, Yoshiro, 4,860,482, Cl. 43-18.100.
  - Yamato, Yoshiro, 4,864,764, Cl. 43-22.000.
  - Yamato, Yoshiro, 4,870,774, Cl. 43-23.000.
  - Yamato, Yoshiro, 4,888,906, Cl. 43-24.000.
  - Yasui, Toshihiko, 4,839,981, Cl. 43-18.100.
  - Yasui, Toshihiko, 4,884,356, Cl. 43-23.000.
- Shimano, Noriyuki, to Dainippon Screen Mfg. Co., Ltd. Image data processing method and apparatus therefor. 4,807,045, 2-21-89, Cl. 358-282.000.
- Shimano, Noriyuki, to Dainippon Screen Mfg. Co., Ltd. Image input system. 4,829,584, 5-9-89, Cl. 382-41.000.
- Shimano, Osamu: *See—*
  - Aketagawa, Tokio; and Shimano, Osamu, 4,797,732, Cl. 358-28.000.
- Shimano, Shizuo: *See—*
  - Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kengo; Nakagawa, Taizo; and Konishi, Kenji, 4,804,762, Cl. 514-336.000.

- Shimano, Yasunao: *See—*
  - Murakami, Shuichi; and Shimano, Yasunao. 4,840,817, Cl. 427-45.100.
- Shimanuki, Haruki; Miyake, Katsuya; Akima, Hideo; and Hoashi, Akira, to Akebono Brake Industry Co., Ltd.; and Fujitsu Limited. Anti-skid control system for motor vehicles. 4,797,825, 1-10-89, Cl. 364-426.020.
- Shimanuki, Haruki; Akima, Hideo; and Hoashi, Akira, to Akebono Brake Industry Co., Ltd.; and Fujitsu Limited. Anti-skid control system for motor vehicles. 4,807,133, 2-21-89, Cl. 364-426.020.
- Shimanuki, Haruki; Maki, Takao; and Takahashi, Yoshio, to Akebono Brake Industry Co., Ltd. Anti-lock brake control system for motor vehicles. 4,883,325, 11-28-89, Cl. 303-96.000.
- Shimanuki, Koji: *See—*
  - Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Ushiro, Seimei, 4,829,384, Cl. 358-229.000.
  - Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Masuda, Akira, 4,862,280, Cl. 358-229.000.
  - Kawakami, Chikuni; and Shimanuki, Koji, 4,864,435, Cl. 360-66.000.
  - Watanabe, Mikio; Shimanuki, Koji; and Nishi, Seiki, 4,887,161, Cl. 358-224.000.
- Shimanuki, Machio, to Kabushiki Kaisha Toshiba. Carriage lock mechanism of a magnetic recording/reproduction apparatus. 4,796,130, 1-3-89, Cl. 360-105.000.
- Shimanuki, Senji: *See—*
  - Ichihara, Katsutarou; Yasuda, Nobuaki; Terashima, Yoshiaki; and Shimanuki, Senji, 4,832,980, Cl. 427-38.000.
- Shimaoka, Makoto: *See—*
  - Kumazawa, Tetsuo; Shimaoka, Makoto; Fukuda, Kazuyuki; and Adachi, Eiichi, 4,880,290, Cl. 350-96.200.
- Shimasaki, Katsunori: *See—*
  - Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
- Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, to Taiho Kogyo Co., Ltd. Dual lip seal device. 4,822,059, 4-18-89, Cl. 277-152.000.
- Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, to Taiho Kogyo Co., Ltd. Lip seal device having an annular groove. 4,834,397, 5-30-89, Cl. 277-152.000.
- Shimasaki, Shigetaka, to Nihon Kenkou K.K. Tile assembly. 4,856,246, 8-15-89, Cl. 52-386.000.
- Shimasaki, Shuhei: *See—*
  - Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Shimasaki, Shuhei, 4,853,425, Cl. 524-83.000.
- Shimasaki, Yukihiro: *See—*
  - Hirota, Hozumi; Shimasaki, Yukihiro; Komoda, Hideaki; and Ota, Ikuo, 4,803,133, Cl. 428-695.000.
- Shimasaki, Yuuji; Tuneki, Hideaki; Hino, Youichi; Yano, Hitoshi; and Ueshima, Michio, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Catalyst for vapor-phase intramolecular dehydration reaction of alkanolamines. 4,833,248, 5-23-89, Cl. 546-184.000.
- Shimasaki, Yuuji; Ueshima, Michio; Tuneki, Hideaki; and Ariyoshi, Kimio, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Process for producing cyclic amines. 4,841,061, 6-20-89, Cl. 546-184.000.
- Shimasaki, Yuuji: *See—*
  - Hino, Youichi; Shimasaki, Yuuji; and Ueshima, Michio, 4,841,060, Cl. 546-184.000.
- Shimase, Akira: *See—*
  - Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.
- Shimatani, Toshimichi; Kawata, Yoshihiro; Kawashima, Masayuki; and Omori, Hideharu, to Iwatsu Electric Co., Ltd. Data circuit-terminating equipment. 4,815,099, 3-21-89, Cl. 375-7.000.
- Shimatani, Toshimichi: *See—*
  - Kawamura, Masataka; and Shimatani, Toshimichi, 4,805,165, Cl. 370-84.000.
- Shimauchi, Hiroshi, to Hitachi, Ltd. Touch panel input device. 4,812,833, 3-14-89, Cl. 340-712.000.
- Shimauchi, Yoshiki: *See—*
  - Enomoto, Hiromu; Yasuda, Yasushi; Shimauchi, Yoshiki; and Tahara, Akinori, 4,881,623, Cl. 357-15.000.
- Shimazaki, Hirato: *See—*
  - Kajita, Ryota; Esaki, Hiroshi; and Shimazaki, Hirato, 4,840,380, Cl. 273-77.00A.
- Shimazaki, Hiroshi: *See—*
  - Hamada, Fumio; and Shimazaki, Hiroshi, 4,818,667, Cl. 430-502.000.
  - Yagi, Toshihiko; and Shimazaki, Hiroshi, 4,818,670, Cl. 430-544.000.
- Shimazaki, Kenji: *See—*
  - Ogawa, Hiroyasu; Shimazaki, Kenji; and Niijima, Kenji, 4,861,809, Cl. 523-149.000.
- Shimazaki, Norihiko; Hemmi, Keiji; Nakaguti, Osamu; Miyazaki, Yoshio; and Hashimoto, Masashi, to Fujisawa Pharmaceutical Co., Ltd. Piperazine compound as PAF-antagonist. 4,806,538, 2-21-89, Cl. 514-253.000.
- Shimazaki, Osamu: *See—*
  - Urabe, Hitoshi; Shigaki, Takao; and Shimazaki, Osamu, 4,841,362, Cl. 358-80.000.
  - Urabe, Hitoshi; Miyakawa, Tadashi; Shimazaki, Osamu; Kudo, Hisashi; and Kimura, Hideaki, 4,845,550, Cl. 358-80.000.
- Shimazaki, Seiji; and Imai, Soichiro, to Sanden Corporation. Mounting mechanism for an automotive air conditioning compressor. 4,834,336, 5-30-89, Cl. 248-666.000.
- Shimazaki, Shigeo: *See—*
  - Kawakami, Katsura; Shimazaki, Shigeo; Takayama, Satoshi; and Onodera, Chika, 4,860,109, Cl. 358-400.000.
- Shimazaki, Takashi, to Kabushiki Kaisha Toshiba. Thermal ink-jet type image forming apparatus. 4,801,951, 1-31-89, Cl. 346-140.00R.
- Shimazaki, Takashi, to Kabushiki Kaisha Toshiba. Apparatus for reproducing a copy image according to either a positive original image or a negative original image. 4,806,974, 2-21-89, Cl. 355-5.000.
- Shimazaki, Tamotu: *See—*
  - Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, 4,866,196, Cl. 560-012.000.
- Shimazaki, Tatsuo, to Casio Computer Co., Ltd. Liquid crystal projector. 4,824,210, 4-25-89, Cl. 350-331.00R.
- Shimazaki, Tatsuo: *See—*
  - Umeda, Osamu; Nakakusu, Tohru; Sato, Makoto; and Shimazaki, Tatsuo, 4,875,064, Cl. 353-78.000.
- Shimazaki, Tetsuo, to Alliance Research Corporation. Retractable cellular antenna. 4,847,629, 7-11-89, Cl. 343-901.000.
- Shimazaki, Tetsuo, to Alliance Research Corporation. Mobile communications antenna. 4,857,939, 8-15-89, Cl. 343-715.000.
- Shimazaki, Toshio: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
  - Takada, Hiromi; Shimazaki, Toshio; Okamoto, Keiji; and Aoki, Hideo, 4,796,037, Cl. 346-160.100.
- Shimazaki, Yukio: *See—*
  - Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.
- Shimazaki, Yuzuru: *See—*
  - Kumasaka, Takao; Mitsuya, Teruaki; Komatsu, Isamu; Fujiwara, Shigetaka; and Shimazaki, Yuzuru, 4,862,828, Cl. 118-658.000.
- Shimazawa, Yoichi: *See—*
  - Minami, Hisashi; Matsuda, Hideo; Shimazawa, Yoichi; and Hiraoka, Shinitiro, 4,843,433, Cl. 355-49.000.
- Shimazoe, Takahiro: *See—*
  - Kuhara, Kohichi; Shimazoe, Takahiro; Ishizuka, Toshiro; and Sekiya, Masayoshi, 4,831,078, Cl. 524-821.000.
- Shimazu, Hideaki; Ito, Hiroshi; and Yamakoshi, Kenichi, to Inoue, Takashi; and Kabushiki Kaisha Nihon M.D.M. System for measuring the volume of a part of a human body. 4,875,488, 10-24-89, Cl. 128-694.000.
- Shimazu, Hideaki: *See—*
  - Watanabe, Yasuo; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,885,002, Cl. 604-9.000.
  - Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,860,761, Cl. 128-686.000.
  - Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,862,895, Cl. 128-680.000.
- Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, to Kanegafuchi Chemical Industry Co., Ltd.; and Shicoh Engineering Co., Ltd. Laser scanning motor having a rotating polygonal mirror and method of manufacturing the same. 4,836,631, 6-6-89, Cl. 350-6.800.
- Shimazu, Nobuo: *See—*
  - Yoshizawa, Masahiro; Kikuchi, Akira; Wada, Kou; Fujinami, Minpei; and Shimazu, Nobuo, 4,851,768, Cl. 324-158.00R.
- Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, to Dainippon Screen Manufacturing Co., Ltd. Laser exposure apparatus. 4,810,068, 3-7-89, Cl. 350-358.000.
- Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, to Dainippon Screen Mfg. Co., Ltd. Laser exposure apparatus. 4,867,542, 9-19-89, Cl. 350-358.000.
- Shimazu, Tadahiro. Powder constant-volume feeder. 4,860,928, 8-29-89, Cl. 222-167.000.
- Shimazu, Takashi: *See—*
  - Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, 4,861,441, Cl. 204-38.700.
  - Shindou, Yoshio; Kabeya, Motoo; Shimazu, Takashi; and Yamazaki, Fumio, 4,876,160, Cl. 428-623.000.
- Shimazu, Yukihiko; and Sakashita, Narumi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit. 4,813,019, 3-14-89, Cl. 365-189.000.
- Shimazu, Yukihiko: *See—*
  - Yasui, Ikuo; Shimazu, Yukihiko; and Kengaku, Toru, 4,870,609, Cl. 364-784.000.
- Shimbara, Sakuzo, to Nifco Inc. Pivotal attaching device for linkage cam lever. 4,848,181, 7-18-89, Cl. 74-523.000.
- Shimbo, Chiaki: *See—*
  - Horiuchi, Hideyuki; Shimbo, Chiaki; Onodera, Yoichi; and Suzuki, Ryuichi, 4,818,861, Cl. 250-235.000.
  - Onodera, Yoichi; Horiuchi, Hideyuki; and Shimbo, Chiaki, 4,803,354, Cl. 250-231.0SE.
- Shimbo, Kazuyuki; and Nishimura, Katsuhiko, to Asahi Kogaku Kogyo Kabushiki Kaisha. Method and apparatus of charging for transfer in electrophotograph device. 4,857,959, 8-15-89, Cl. 355-2.6.000.

Shimbo, Masafumi, to Seiko Instruments Inc. Process for producing semiconductor devices by self-alignment technology. 4,845,046, 7-4-89, Cl. 437-41.000.
Shimbo, Masafumi: *See—*
Aoki, Kenji; and Shimbo, Masafumi, 4,838,993, Cl. 156-643.000.
Shimbo, Masaru: *See—*
Ohata, Yu; Kuramoto, Tsuyoshi; and Shimbo, Masaru, 4,837,186, Cl. 437-228.000.
Shimei, Masato; Goto, Shigeki; and Takahashi, Shigeo, to Aisin Seiki Kabushiki Kaisha. Intermediate shift control apparatus for automatic transmission. 4,799,404, 1-24-89, Cl. 74-869.000.
Shimek, Daniel C.: *See—*
Shimek, Ronald J.; and Shimek, Daniel C., 4,852,548, Cl. 126-518.000.
Shimek, Ronald J.; and Shimek, Daniel C., 4,875,464, Cl. 126-92.00R.
Shimek, Ronald J.; and Shimek, Daniel C. Universal fireplace assembly. 4,852,548, 8-1-89, Cl. 126-518.000.
Shimek, Ronald J.; and Shimek, Daniel C. Clean burning gas log burner system. 4,875,464, 10-24-89, Cl. 126-92.00R.
Shimeki, Yasuharu; Matsushima, Hiroshi; Ohtsu, Masamitsu; and Kihara, Nobuyoshi, to Matsushita Electric Industrial Co., Ltd. Apparatus for recording a discriminative signal. 4,809,087, 2-28-89, Cl. 360-19.100.
Shimenkov, Marat. Toothpick. 4,805,646, 2-21-89, Cl. 132-329.000.
Shimida, Shinichi: *See—*
Suzuki, Shigeru; and Shimida, Shinichi, 4,875,438, Cl. 123-52.0MB.
Shimirak, Gerald: *See—*
Puigcerver, Luis; Shimirak, Gerald; and Berth, Jorgen, 4,880,676, Cl. 428-35.700.
Shimitzu Construction Co., Ltd.: *See—*
Okada, Takeji; Sawaide, Minoru; Imai, Minoru; and Tachibana, Daisuke, 4,873,145, Cl. 428-407.000.
Shimizu, Akihiro; and Miyaguchi, Shoji, to Nippon Telegraph and Telephone Corporation. Data randomization equipment. 4,850,019, 7-18-89, Cl. 380-29.000.
Shimizu, Akira; Hara, Toshitami; Nojiri, Hidetoshi; Hakamada, Isao; Miyazawa, Seiichi; and Sekiguchi, Yoshinobu, to Canon Kabushiki Kaisha. Semiconductor device having a superlattice structure. 4,796,067, 1-3-89, Cl. 357-4.000.
Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, to Canon Kabushiki Kaisha. Electron emission device. 4,833,507, 5-23-89, Cl. 357-4.000.
Shimizu, Akira; and Kaneko, Norio, to Canon Kabushiki Kaisha. Dielectric articles and condensers using the same. 4,873,610, 10-10-89, Cl. 361-313.000.
Shimizu, Akira: *See—*
Honjo, Tasuku; and Shimizu, Akira, 4,816,565, Cl. 530-351.000.
Miyazawa, Seiichi; Nojiri, Hidetoshi; Hara, Toshitami; Shimizu, Akira; Sekiguchi, Yoshinobu; and Hakamada, Isao, 4,829,534, Cl. 372-46.000.
Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.
Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.
Shimizu, Atsuko; Fujii, Hiroshi; and Ohki, Shinichi, to Casio Computer Co., Ltd. Pulse detection apparatus. 4,807,639, 2-28-89, Cl. 128-690.000.
Shimizu, Atsushi: *See—*
Horiuchi, Makota; Shimizu, Atsushi; Miyakawa, Yoshitaka; and Sakurai, Kazuya, 4,881,449, Cl. 91-372.000.
Yokota, Masahisa; Shimizu, Atsushi; Komiya, Kyosuke; Yamataka, Kazunori; and Nonura, Tadanori, 4,855,377, Cl. 528-25.000.
Shimizu, Chiyuki; and Yoshida, Tamio, to Toshiba Silicone Co., Ltd. Polyether end-blocked with hydrolyzable silyl groups, method of manufacturing and room temperature curable composition thereof. 4,847,357, 7-11-89, Cl. 528-374.000.
Shimizu, Chiyuki; and Yoshida, Tamio, to Toshiba Silicone Co., Ltd. Polyether end-blocked with hydrolyzable silyl groups, method of manufacturing and room temperature curable composition using the polyether. 4,873,272, 10-10-89, Cl. 523-212.000.
Shimizu, Chiyuki: *See—*
Nagaoka, Hisayuki; Zenbayashi, Michio; and Shimizu, Chiyuki, 4,877,855, Cl. 528-26.000.
Shimizu, Chuji; and Onodera, Yasuaki, to Fukuda Denshi Co., Ltd. Electrocardiographic current derivation electrode. 4,809,699, 3-7-89, Cl. 128-640.000.
Shimizu, Chuji: *See—*
Inoue, Hirokatsu; and Shimizu, Chuji, 4,852,574, Cl. 128-643.000.
Nakahashi, Yoshinao; Osada, Soichi; Shimizu, Chuji; and Ichida, Shinshichi, 4,852,572, Cl. 128-640.000.
Shimizu Construction Company, Limited: *See—*
Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; and Kobayashi, Shintaro, 4,826,360, Cl. 406-51.000.
Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
Kajioka, Yasuo; Okada, Akira; Komine, Tomio; and Shimizu, Satoru, 4,848,960, Cl. 404-112.000.
Ouchi, Tomonori; Wakamatsu, Otsuro; Kawanishi, Hiroshi; and Yasui, Masao, 4,853,495, Cl. 178-18.000.
Ryokai, Kimitoshi; and Wakabayashi, Naruki, 4,886,088, Cl. 137-78.300.
Sato, Takanori, 4,873,798, Cl. 52-167.0DF.
Sato, Takanori, 4,875,313, Cl. 52-167.0DF.
Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, 4,819,395, Cl. 52-309.160.
Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, 4,876,143, Cl. 428-294.000.
Suzuki, Yoshinobu; and Manabe, Mitsufusa, 4,838,150, Cl. 98-31.500.
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,810,961, Cl. 324-95.000.
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, 4,814,694, Cl. 324-95.000.
Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiuyki; and Nagata, Koji, 4,889,958, Cl. 174-35.0MS.
Takegawa, Keinosuke, 4,808,030, Cl. 405-146.000.
Shimizu, Etsuo; Kotera, Noboru; Onogi, Shinichi; and Hitomi, Teiichi, to Kasei Optonix, Ltd. Radiographic intensifying screen. 4,839,243, 6-13-89, Cl. 428-690.000.
Shimizu, Fumiaki: *See—*
Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.
Shimizu, Fumio: *See—*
Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshito; Shin, Sadahito; and Shima, Kenji, 4,837,170, Cl. 436-548.000.
Yoshida, Mitsuaki; Sugano, Haruo; Shimizu, Fumio; and Imagawa, Kenichi, 4,804,746, Cl. 530-387.000.
Shimizu, Giichiro; Okuyama, Toshiharu; and Wakatsuki, Yoshio, to Man Design Co., Ltd. Distance measuring device with transmitter. 4,852,264, 8-1-89, Cl. 33-832.000.
Shimizu, Giichiro; Okuyama, Toshiharu; and Wakatsuki, Yoshio, to Man Design Co., Ltd. Length measuring device. 4,872,124, 10-3-89, Cl. 364-571.030.
Shimizu, Goro; Hayashi, Yoshimi; and Kitagawa, Yosuke, to Matsui Shikiso Chemical Co., Ltd. Process for preparing molded product of thermochromic polyvinyl chloride. 4,826,550, 5-2-89, Cl. 156-166.000.
Shimizu, Goro; Kamada, Masayasu; and Hayashi, Yoshimi, to Matsui Shikiso Chemical Co., Ltd. Thermochromic particle containing linear material. 4,851,282, 7-25-89, Cl. 428-283.000.
Shimizu, Haruo, to Canon Kabushiki Kaisha. Image recording system for image recording in response to signals entered from a recording information generating unit. 4,866,595, 9-12-89, Cl. 346-154.000.
Shimizu, Hideaki: *See—*
Matsunaga, Tsuyoshi; and Shimizu, Hideaki, 4,803,560, Cl. 358-236.000.
Shimizu, Hidehiko: *See—*
Shimizu, Shigemi; Shimizu, Hidehiko; and Terauchi, Kiyoshi, 4,869,651, Cl. 417-269.000.
Shimizu, Hideo: *See—*
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Shimizu, Hidetoshi; Terada, Shigeru; and Mishio, Yasuhiko, to Toyota Jidosha Kabushiki Kaisha. Driving power control system. 4,819,163, 4-4-89, Cl. 364-424.100.
Shimizu, Hidetoshi: *See—*
Kojima, Chiaki; and Shimizu, Hidetoshi, 4,842,968, Cl. 430-1.000.
Shimizu, Hirokimi: *See—*
Kitani, Shigehisa; Sasai, Atsuyoshi; and Shimizu, Hirokimi, 4,856,090, Cl. 455-607.000.
Shimizu, Hiromitsu, to Hirose Manufacturing Company, Limited. Loop taker and sewing machine. 4,884,520, 12-5-89, Cl. 112-231.000.
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Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
Shimizu, Hiromu; and Horiba, Isao, to Hitachi Medical Corp. Apparatus for checking baggage with x-rays. 4,817,121, 3-28-89, Cl. 378-57.000.
Shimizu, Hiroshi, to NEC Corporation. Packet-switched communications network for efficiently switching non-burst signals. 4,815,071, 3-21-89, Cl. 370-60.000.
Shimizu, Hiroshi; and Yamaguchi, Yoshito. Voice recognizing alarm timepiece. 4,876,676, 10-24-89, Cl. 368-63.000.
Shimizu, Hiroshi: *See—*
Harada, Tsuneo; Fukuda, Ken-ichi; Shimizu, Hiroshi; Tokuda, Akira; and Oyama, Kiyotaka, 4,830,720, Cl. 204-131.000.
Kurokawa, Yuji; Kikukawa, Hiroyuki; Shimizu, Hiroshi; and Inagi, Tsutomu, 4,849,908, Cl. 364-518.000.
Yamaguchi, Youko; and Shimizu, Hiroshi, 4,888,814, Cl. 382-21.000.
Yano, Masafumi; Tanaka, Hiroaki; and Shimizu, Hiroshi, 4,814,657, Cl. 310-309.000.
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Shimizu, Hisae: *See—*
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Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, 4,877,822, Cl. 523-433.000.
Shimizu, Hisayuki, to Nikon Corporation. Substrate exposure apparatus with flatness detection and alarm. 4,849,901, 7-18-89, Cl. 364-468.000.
Shimizu, Hisayuki: *See—*
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Shimizu, Hitoshi: *See—*
Himeno, Toshio; Shimizu, Hitoshi; and Shinkai, Satoshi, 4,882,977, Cl. 92-5.00R.
Nomura, Tomohiko; Shimizu, Hitoshi; Inoue, Hiroshi; Ishizuka, Yoshimi; and Hirano, Hiroshi, 4,816,501, Cl. 523-406.000.
Shimizu, Horoshi; Katsura, Yoshihiko; Sakamoto, Hidenori; and Kawatoko, Tsurayuki, to NEC Corporation. Star topology local area network. 4,866,702, 9-12-89, Cl. 370-60.000.
Shimizu, Ichio, to Hitachi, Ltd. Lead frame and electronic device. 4,797,787, 1-10-89, Cl. 361-421.000.
Shimizu, Isami: *See—*
Hoshino, Kazuo; Miyakusu, Katsuhisa; and Shimizu, Isami, 4,824,635, Cl. 420-42.000.
Shimizu, Isamu; and Yamaguchi, Minori, to Kanegafuchi Chemical Industry Co., Ltd. Multilayer photoconductive material. 4,839,240, 6-13-89, Cl. 428-635.000
Shimizu, Isamu: *See—*
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,166, Cl. 118-719.000.
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,798,809, Cl. 437-4.000.
Hirooka, Masaaki; Ueki, Masao; Hanna, Junichi; and Shimizu, Isamu, 4,812,331, Cl. 427-255.100.
Hirooka, Masaaki; Ogawa, Kyosuke; Ishihara, Shunichi; and Shimizu, Isamu, 4,835,005, Cl. 427-38.000.
Hirooka, Masaaki; Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,855,210, Cl. 430-133.000.
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Inoue, Eiichi; Shimizu, Isamu; and Komatsu, Toshiyuki, 4,877,709, Cl. 430-128.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,798,167, Cl. 118-723.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,801,468, Cl. 427-35.000.
Ishihara, Shunichi; Saito, Keishi; Oda, Shunri; and Shimizu, Isamu, 4,803,093, Cl. 427-35.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,812,325, Cl. 427-69.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,560, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,818,563, Cl. 427-55.000.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,818,564, Cl. 427-69.000.
Ishihara, Shunichi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,824,697, Cl. 427-255.200.
Ishihara, Shunichi; Hanna, Junichi; and Shimizu, Isamu, 4,837,048, Cl. 427-69.000.
Ishihara, Shunichi; Osada, Yoshiyuki; Oda, Shunri; and Shimizu, Isamu, 4,849,249, Cl. 427-38.000.
Ishihara, Shunichi; Ohno, Shigeru; Kanai, Masahiro; Oda, Shunri; and Shimizu, Isamu, 4,853,251, Cl. 427-38.000.
Ishihara, Shunichi; Ootoshi, Hirokazu; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,885,258, Cl. 437-40.000.
Kanai, Masahiro; Hanna, Junichi; and Shimizu, Isamu, 4,800,173, Cl. 37-081.000.
Kanai, Masahiro; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,868,014, Cl. 427-248.100.
Saitoh, Keisha; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,801,474, Cl. 427-248.100.
Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,804,558, Cl. 427-66.000.
Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,812,328, Cl. 427-69.000.
Saitoh, Keishi; Hirooka, Masaaki, Hanna, Junichi; and Shimizu, Isamu, 4,822,636, Cl. 427-69.000.
Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,834,023, Cl. 118-730.000.
Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,844,950, Cl. 427-250.000.
Saitoh, Keishi; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,865,883, Cl. 427-255.300.
Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.
Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,803,947, Cl. 418-719.000.
Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, 4,861,623, Cl. 427-69.000.
Shimizu, Isao; Miyatake, Katsunori; Urabe, Shuji; and Murota, Kazuaki, to Nippon Telegraph and Telephone Corporation. Mobile communication apparatus. 4,817,197, 3-28-89, Cl. 455-208.000.
Shimizu, Isao: *See—*
Nagai, Yasuo; Shimizu, Isao; Kimura, Masatoshi; Kaneko, Kenji; Okabe, Takeaki; and Sakamoto, Koozoo, 4,885,628, Cl. 357-68.000.
Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, to Nippon Petrochemicals Company, Ltd. Method for producing (aryl substituted) carboxylic acid or its salt. 4,814,494, 3-21-89, Cl. 562-419.000.
Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, to Nippon Petrochemicals Company, Limited. 1-(3-Vinylphenyl)-1-phenylhydrocarbons and method for producing the same. 4,822,934, 4-18-89, Cl. 585-25.000.
Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, to Nippon Petrochemicals Company, Limited. Method of producing p-isobutylstyrene and a starting compound therefor. 4,827,065, 5-2-89, Cl. 585-25.000.
Shimizu, Isoo; Matsumura, Yasuo; and Uchida, Kazumichi, to Nippon Petrochemicals Company, Limited. Method for producing m-ethyldiphenyls. 4,835,337, 5-30-89, Cl. 585-471.000.
Shimizu, Isoo; and Tokumoto, Yuuichi, to Nippon Petrochemicals Company, Limited. Method for producing p-alkylstyrene. 4,855,518, 8-8-89, Cl. 585-319.000.
Shimizu, Isoo; Mitsuyuki, Hitoshi; Uchida, Kazumichi; and Tokumoto, Yuuichi, to Nippon Petrochemicals Company. Method for producing arylethylene. 4,855,519, 8-8-89, Cl. 585-319.000.
Shimizu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa, to Nippon Petrochemicals Company, Ltd. 1,2-Di(4-isobutylphenyl)hydrocarbon and its preparation and uses as intermediate. 4,885,419, 12-5-89, Cl. 585-25.000.
Shimizu, Isoo; Matsumura, Yasuo; and Arai, Yutaka, to Nippon Petrochemicals Company, Ltd. (Phenylethenyl) phenylpropionaldehyde and method for producing (benzolyphenyl) propionic acid using the same. 4,889,952, 12-26-89, Cl. 562-460.000.
Shimizu, Jeffrey A.: *See—*
McKechnie, Thomas S.; Goldenberg, Jill F.; Eskin, Joshua D.; Shimizu, Jeffrey A.; Bradley, Ralph H., Jr.; and Guerinot, William F., 4,864,390, Cl. 358-60.000.
Shimizu, Junichi; and Nakajoh, Tadashi, to Nissei Jushi Kogyo Kabushiki Kaisha. Control method of injection molding machine. 4,879,077, 11-7-89, Cl. 264-40.100.
Shimizu Kagaku Kabushiki Kaisha: *See—*
Fukuda, Keishi, 4,804,536, Cl. 424-195.100.
Shimizu, Kanzi: *See—*
Hihara, Toshio; Shimizu, Yukiharu; and Shimizu, Kanzi, 4,843,150, Cl. 534-634.000.
Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, to Canon Kabushiki Kaisha. Image processing system. 4,811,109, 3-7-89, Cl. 358-256.000.
Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, to Canon Kabushiki Kaisha. Image forming apparatus. 4,816,868, 3-28-89, Cl. 355-14.00C.
Shimizu, Katsuichi, to Canon Kabushiki Kaisha. Image transmission system. 4,817,177, 3-28-89, Cl. 382-41.000.
Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, to Canon Kabushiki Kaisha. Reproduction apparatus. 4,823,192, 4-18-89, Cl. 358-256.000.
Shimizu, Katsuichi, to Canon Kabushiki Kaisha. Image forming system. 4,835,618, 5-30-89, Cl. 358-287.000.
Shimizu, Katsuichi; and Nagashima, Nao, to Canon Kabushiki Kaisha. Information transmission system. 4,860,111, 8-22-89, Cl. 358-400.000.
Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, to Canon Kabushiki Kaisha. Reproduction apparatus. 4,878,130, 10-31-89, Cl. 358-400.000.
Shimizu, Katsuichi: *See—*
Masuda, Shunichi; Shimizu, Katsuichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,811,051, Cl. 355-14.00C.
Shimizu, Kazuharu: *See—*
Miwa, Kishio; Shimizu, Kazuharu; and Fukui, Hiroaki, 4,851,304, Cl. 429-40.000.
Shimizu, Kazuo, to Mimasu Oil Chemical Co., Ltd. Waste oil processing substance. 4,806,269, 2-21-89, Cl. 252-369.000.
Shimizu, Kazuo, to Mimasu Oil Chemical Co., Ltd. Substance for converting waste cooking oil into liquid soap. 4,839,089, 6-13-89, Cl. 252-183.110.
Shimizu, Kazuo: *See—*
Tsumadori, Masaki; Shimizu, Kazuo; Inokoshi, Junichi; and Murata, Moriyasu, 4,842,760, Cl. 252-8.800.
Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, 4,885,102, Cl. 252-8.800.
Shimizu, Keiji: *See—*
Yamashita, Takaji; Uchida, Hiroshi; Shimizu, Keiji; and Omura, Tomohide, 4,823,016, Cl. 250-363.030.
Shimizu, Keizo: *See—*
Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
Shimizu, Kenichi; and Suzuki, Shigeru. Magnification varying mechanism for image forming apparatus. 4,870,453, 9-26-89, Cl. 355-59.000.
Shimizu, Kenichi: *See—*
Hagiwara, Yoichi; Shimizu, Kenichi; and Tanaka, Satoshi, 4,806,160, Cl. 106-1.120.
Ohuchi, Kiyoyuki; and Shimizu, Ken'ichi, 4,838,329, Cl. 152-210.000.
Shimizu Kensetsu Kabushiki Kaisha: *See—*
Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.
Shimizu Kiden Co., Ltd.: *See—*
Nakaya, Tadao; and Ide, Shinji, 4,799,170, Cl. 364-513.000.

Shimizu, Kinko: *See—*
Watanabe, Ryuji; Andoh, Hisashi; Iwashita, Kiyoji; and Shimizu, Kinko, 4,836,978, Cl. 419-10.000.

Shimizu, Kiyoshi: *See—*
Serizawa, Hajime; Ojima, Koichi; and Shimizu, Kiyoshi, 4,842,984, Cl. 430-197.000.

Shimizu, Koh: *See—*
Miyahara, Masaaki; Matsui, Atsuo; Shimizu, Koh; Ihara, Hirokazu; and Miyazawa, Teruo, 4,834,638, Cl. 425-116.000.

Shimizu, Koichi: *See—*
Matsumoto, Goro; and Shimizu, Koichi, 4,802,759, Cl. 356-376.000.
Saito, Yasuo; Shimizu, Koichi; and Seki, Yuji, 4,833,919, Cl. 73-313.000.

Shimizu, Koji; and Hamada, Mitsuo, to Toray Silicone Company, Ltd. Method for the production of spherical silicone gel particles. 4,824,616, 4-25-89, Cl. 264-7.000.

Shimizu, Koji; Hamada, Mitsuo; and Nakasuji, Katsuyoshi, to Toray Silicone Co., Ltd. Finely divided silicone rubber additive material and method for producing same. 4,849,564, 7-18-89, Cl. 524-114.000.

Shimizu, Kouichi: *See—*
Takagi, Touichi; Ametani, Kohei; and Shimizu, Kouichi, 4,812,426, Cl. 501-136.000.

Shimizu, Kozo: *See—*
Masuda, Yuichi; and Shimizu, Kozo, 4,840,322, Cl. 242-67.10R.

Shimizu, Kuniaki: *See—*
Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.

Shimizu, Makoto; and Sato, Akira, to Oki Electric Industry Co., Ltd. Automatic magnetic recording medium ejecting mechanism for use in a magnetic recording medium driving unit. 4,829,393, 5-9-89, Cl. 360-71.000.

Shimizu, Makoto: *See—*
Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.

Shimizu, Masahiro: *See—*
Fujiwara, Akie; Takenouchi, Mariko; and Shimizu, Masahiro, 4,813,078, Cl. 382-21.000.
Tsukamoto, Katsuhiro; Shimizu, Masahiro; Fujishima, Kazuyasu; and Matsuda, Yoshio, 4,855,953, Cl. 365-149.000.

Shimizu, Masahisa: *See—*
Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, 4,833,605, Cl. 364-200.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Komori, Shinji; Shima, Kenji; Miyata, Souichi; Matsumoto, Satoshi; Asano, Hajime; Shimizu, Masahisa; and Miura, Hiroki, 4,881,196, Cl. 364-900.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, 4,884,192, Cl. 364-200.000.

Shimizu, Masakatu: *See—*
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, 4,830,762, Cl. 252-2.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Shimizu, Masakatu; and Tanaka, Takashi, 4,879,050, Cl. 252-2.000.

Shimizu, Masami: *See—*
Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,811,320, Cl. 369-45.000.
Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,845,699, Cl. 369-45.000.
Matsuda, Mutsuhide; Aoyagi, Masao; Furukawa, Hiroshi; and Shimizu, Masami, 4,853,725, Cl. 354-286.000.

Shimizu, Masao: *See—*
Ooshima, Hiromi; Shimizu, Masao; and Nishiura, Junji, 4,835,774, Cl. 371-25.000.
Suzuki, Nobuyuki; Shimizu, Masao; and Katsuragawa, Mitsuhiro, 4,833,358, Cl. 310-316.000.

Shimizu, Masayuki; and Yoshikawa, Sumio, to Fuji Photo Film Co., Ltd. Heat-developing and transferring apparatus. 4,800,275, 1-24-89, Cl. 250-317.100.

Shimizu, Masayuki: *See—*
Katsuki, Hikaru; Minakawa, Katsumasa; and Shimizu, Masayuki, 4,841,738, Cl. 62-160.000.

Shimizu, Michitaka, to Compex Co., Ltd. Method for culturing and cultivating fungi. 4,878,312, 11-7-89, Cl. 47-1.100.

Shimizu, Mineo: *See—*
Era, Hidenori; Shimizu, Mineo; and Chen, Huang-Chuan, 4,854,976, Cl. 148-2.000.

Shimizu, Minoru: *See—*
Watanabe, Tooru; and Shimizu, Minoru, 4,833,374, Cl. 318-254.000.

Shimizu, Mitsuhisa: *See—*
Kanai, Yasunori; Nawata, Kazumasa; and Shimizu, Mitsuhisa, 4,866,303, Cl. 307-443.000.

Shimizu, Mitsuru: *See—*
Sugiyama, Toshinori; Ikegaki, Tetsurou; Shimizu, Mitsuru; and Tuburaya, Yoshitane, 4,876,133, Cl. 428-64.000.

Shimizu, Miyuki; and Yamazaki, Yoshihiko, to Nissei Plastics Industrial Co., Ltd. Injection control method of injection molding machine. 4,851,170, 7-25-89, Cl. 264-40.500.

Shimizu, Miyuki; and Yamazaki, Yoshihiko, to Nissei Plastics Industrial Co., Ltd. Method and apparatus for controlling back pressure in injection molding machine. 4,851,171, 7-25-89, Cl. 264-40.500.

Shimizu, Motoharu; Minegishi, Masayoshi; Yamada, Nobuyuki; and Kobayashi, Kohji, to Hitachi Metals, Ltd. Permanent oxide magnet and method of coating same. 4,820,592, 4-11-89, Cl. 428-692.000.

Shimizu, Motoharu, to Hitachi Metals, Ltd. Surface multipolar rare earth-iron-boron rotor magnet and method of making. 4,888,512, 12-19-89, Cl. 310-156.000.

Shimizu, Noboru: *See—*
Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.
Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.

Shimizu, Nobuaki: *See—*
Katsumoto, Takehiko; Danno, Yoshiaki; Sanbayashi, Daisuke; Dogahara, Takashi; Kanao, Hidetsugu; Akishino, Katsuo; Hirako, Osamu; Kamada, Hiroshi; Kitada, Taizou; Matsuda, Masahiko; Shimizu, Nobuaki; Asada, Masaji; Fukami, Yoshinari; and Hirano, Takaaki, 4,813,408, Cl. 123-196.0AB.
Kitada, Taizo; Danno, Yoshiaki; Kishimoto, Mituru; Sato, Atsuo; Shimizu, Nobuaki; Fukami, Yoshinari; and Asada, Masazi, 4,815,419, Cl. 123-41.420.

Shimizu, Nobuhiro: *See—*
Asami, Kazutomo; Yamada Hidehiko; and Shimizu, Nobuhiro, 4,830,582, Cl. 417-312.000.

Shimizu, Norimitu; and Ikeda, Chikaho, to Fuji Xerox Co., Ltd. Color image reading apparatus with distributing type lens array and scan responsive shutters. 4,882,620, 11-21-89, Cl. 358-75.000.

Shimizu, Osamu: *See—*
Kawano, Michiari; Higashimoto, Masayuki; Kashiwagi, Shigeo; Nakano, Jun; and Shimizu, Osamu, 4,833,519, Cl. 357-59.000.
Shimizu, Toshiyuki; Shimizu, Osamu; Tenmoku, Kenji; Mitoh, Kunihiko; and Honoki, Yasuhiro, 4,862,398, Cl. 364-571.050.
Tenmoku, Kenji; Shimizu, Osamu; Shimizu, Toshiyuki; and Mitoh, Kunihiko, 4,807,127, Cl. 364-424.010.

Shimizu, Ryuji: *See—*
Yamane, Toshinobu; Kuramoto, Akio; Shimizu, Ryuji; and Nakayama, Makoto, 4,881,078, Cl. 342-155.000.

Shimizu, Sakae: *See—*
Shibanai, Ichiroh; and Shimizu, Sakae, 4,808,396, Cl. 423-579.000.

Shimizu, Satoru: *See—*
Kajioka, Yasuo; Okada, Akira; Komine, Tomio; and Shimizu, Satoru, 4,848,960, Cl. 404-112.000.

Shimizu, Satoshi, to Northern Commercial Limited. Ski shoe binding device. 4,802,687, 2-7-89, Cl. 280-615.000.

Shimizu, Satoshi: *See—*
Nishikawa, Masaaki; and Shimizu, Satoshi, 4,843,480, Cl. 358-293.000.

Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, to Mitsubishi Gas Chemical Company, Inc. Multilayered container. 4,816,308, 3-28-89, Cl. 428-36.700.

Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, to Mitsubishi Gas Chemical Co., Inc. Multilayered container and process for production thereof. 4,868,026, 9-19-89, Cl. 428-36.700.

Shimizu, Setsuo: *See—*
Matsui, Tomoki; Kimoto, Hidesuke; and Shimizu, Setsuo, 4,855,663, Cl. 320-20.000.

Shimizu, Setsuro: *See—*
Matsushita, Souji; Shimizu, Setsuro; Takeuchi, Toru; and Tahara, Susumu, 4,828,619, Cl. 106-95.000.

Shimizu, Shigehisa: *See—*
Akiyoshi, Nobuyasu; and Shimizu, Snigehisa, 4,797,691, Cl. 346-108.000.
Ishii, Yoshiyuki; and Shimizu, Shigehisa, 4,860,964, Cl. 242-57.100.

Shimizu, Shigeki; Oshima, Akinobu; Ide, Hiroshi; and Takahashi, Noriaki, to Mitsubishi Chemical Industries Limited. Developer composition for lithographic printing plates. 4,863,835, 9-5-89, Cl. 430-331.000.

Shimizu, Shigemi; Shimizu, Hidehiko; and Terauchi, Kiyoshi, to Sanden Corporation. Wobble plate type compressor. 4,869,651, 9-26-89, Cl. 417-269.000.

Shimizu, Shigemi: *See—*
Toyoda, Hiroshi; Shimizu, Shigemi; Hatakeyama, Hideharu; Kumagai, Shuzo; and Takahashi, Hareo, 4,870,894, Cl. 92-71.000.

Shimizu, Shigeo; Takano, Hiroyuki; and Yagihashi, Fujio, to Sankei Pharmaceutical Co., Ltd.; and Nippon Pharmaceutical Development Institute Co. Cephalosporin derivatives. 4,808,711, 2-28-89, Cl. 540-227.000.

Shimizu, Shin; Tanaka, Tsugane; Ohara, Osamu; and Inoue, Taisei, to Koyo Sangyo Co., Ltd. Preparation of laminated material. 4,818,321, 4-4-89, Cl. 156-254.000.

Shimizu, Shinji, to Hitachi, Ltd. Semiconductor integrated device having a field-effect transistor type memory cell array and peripheral circuitry structure. 4,845,544, 7-4-89, Cl. 357-71.000.

Shimizu, Shinji; Tsuchiya, Osamu; and Sato, Katsuyuki, to Hitachi, Ltd. Semiconductor memory device and a process for producing the same. 4,873,559, 10-10-89, Cl. 357-23.600.

Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, to Koei Chemical Co., Ltd. Process for producing pyridine bases. 4,810,794, 3-7-89, Cl. 546-251.000.

Shimizu, Shoichi: *See—*
Mizoguchi, Satoshi; Sugimoto, Yasuhiro; and Shimizu, Shoichi, 4,816,831, Cl. 341-156.000.

Shimizu, Shoji, to Katayama Kogyo Co., Ltd.; and Shoei Jushi Co., Ltd. Synthetic resin molding for automotive vehicles. 4,880,674, 11-14-89, Cl. 428-31.000.

Shimizu, Shotaro; and Sakakibara, Yosuke, to Citizen Watch Co., Ltd. Permanent magnetic alloy comprising gold, platinum and cobalt. 4,853,048, 8-1-89, Cl. 148-300.000.

Shimizu, Shumpei, to Moses Lake Industries, Inc. Process for producing silica of high purity. 4,857,290, 8-15-89, Cl. 423-339.000.

Shimizu, Tadafumi, to Minolta Camera Kabushiki Kaisha. Paper feeder for image forming apparatus. 4,861,012, 8-29-89, Cl. 271-3.100.

Shimizu, Tadashi: *See—*
Su, Tseng; and Shimizu, Tadashi, 4,884,586, Cl. 135-26.000.

Shimizu, Takaaki; and Okon, Toshihiro, to Shin-Etsu Chemical Co., Ltd. Process for producing fine spherical silica. 4,842,837, 6-27-89, Cl. 423-335.000.

Shimizu, Takaaki; and Tanaka, Syuji, to Shin-Etsu Chemical Co., Ltd. Method for the preparation of silica glass. 4,883,521, 11-28-89, Cl. 65-17.000.

Shimizu, Takako: *See—*
Fukasawa, Junichi; Kato, Haruya; Iwaya, Katsumasa; Shimizu, Takako; and Kawano, Atsushi, 4,857,308, Cl. 424-63.000.

Shimizu, Takao: *See—*
Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-245.000.

Shimizu, Takashi: *See—*
Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Michio; Shimizu, Takashi; and Ikegami, Tamotsu, 4,887,732, Cl. 220-90.600.

Shimizu, Takeo; Kaneko, Takehira; Inoue, Tomoyuki; and Takahashi, Hiroshi, to Nippon Soda Co., Ltd. Polymers of 3,4-substituted pyrrole compounds and their preparation method. 4,816,536, 3-28-89, Cl. 526-258.000.

Shimizu, Takeshige, to Yazaki Corporation. Bright meter. 4,872,093, 10-3-89, Cl. 362-26.000.

Shimizu, Taku: *See—*
Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, 4,886,524, Cl. 55-8.000.

Shimizu, Tatsuya: *See—*
Kasai, Kiyoshi; Hattori, Masayuki; Shimizu, Tatsuya; and Tadenuma, Hiroshi, 4,823,955, Cl. 430-111.000.

Shimizu, Tatsuyoshi, to Minnesota Mining and Manufacturing Company. Connector for telephone cables. 4,850,904, 7-25-89, Cl. 439-856.000.

Shimizu, Tetsuo; and Hosokawa, Kazutaka, to Daikin Industries Ltd. Modified polytetrafluoroethylene fine powder and production of the same. 4,840,998, 6-20-89, Cl. 525-276.000.

Shimizu, Tetsuya: *See—*
Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.

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Sato, Shigehiro; and Shimizu, Tokihiko, 4,828,947, Cl. 430-7.000.

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Shimizu, Wataru; Yuasa, Yasuhiro; and Matsuki, Yuuji, to Kabushiki Kaisha SG. Positioning control system for a fluid powered cylinder. 4,804,913, 2-14-89, Cl. 324-208.000.

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Satou, Takeo; and Shimizu, Yasuhiko, 4,874,444, Cl. 156-64.000.

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Hamamura, Masahiro; and Shimizu, Yasuo, 4,825,818, Cl. 123-41.860.
Tanoshima, Katsuhide; Suzuki, Yasuhiro; Nagata, Shizuo; and Shimizu, Yasuo, 4,813,007, Cl. 346-74.500.

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Kudo, Junichiro; and Shimizu, Yoshihiro, 4,879,082, Cl. 264-106.000.

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Shimizu, Yoshihito: *See—*
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Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.

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Shimizu, Yukihiko: *See—*

Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, 4,803,565, Cl. 358-300.000.

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Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.

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Shimmell, Dennis S., to J. L. French Corporation. Gasket sealing system. 4,867,461, 9-19-89, Cl. 277-166.000.

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Shimmyo, Takashi: *See—*

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Shimo, Hiroyuki; Kanesige, Isao; and Tanaka, Nobuo, to Kuraray Co., Ltd. Laminate with a blend layer of polyesteramide and ethylene-vinyl acetate copolymer. 4,855,181, 8-8-89, Cl. 428-336.000.

Shimo, Nobuo; Yoshihara, Keitaro; and Nakashima, Nobuaki, to Idemitsu Kosan Co., Ltd. Method for the preparation of finely divided metal particles. 4,844,736, 7-4-89, Cl. 75-0.50B.

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Shimo, Yoshiyuki: *See—*

Tajima, Yoshio; Nomiyama, Kazutosi; Shimo, Yoshiyuki; Kuroda, Nobuyuki; and Matsuura, Kazuo, 4,835,219, Cl. 525-240.000.

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Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.

Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, to Canon Kabushiki Kaisha. Electron emission device. 4,810,934, 3-7-89, Cl. 315-107.000.

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Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.

Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.

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Shimoda, Isao, to Yamaha Corporation. Idiophone. 4,843,944, 7-4-89, Cl. 84-418.000.

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Shimoi, Kenji, to Hitachi, Ltd. Program execution method in a system having plural computers. 4,853,872, 8-1-89, Cl. 364-300.000.

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Morohashi, Katsuei; Shimokobe, Jiro; and Shimoma, Taketoshi, 4,876,478, Cl. 313-413.000.

Shimoma, Taketoshi; Morohashi, Katsuei; and Shimokobe, Jiro, 4,881,015, Cl. 315-371.000.

Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, to Canon Kabushiki Kaisha. Information data transmission system. 4,875,090, 10-17-89, Cl. 358-12.000.

Shimokoriyama, Makoto: *See—*

Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.

Shimoma, Taketoshi; and Fukuda, Kumio, to Kabushiki Kaisha Toshiba. Color cathode ray tube device. 4,820,958, 4-11-89, Cl. 315-368.000.

Shimoma, Taketoshi; and Fukuda, Kumio, to Kabushiki Kaisha Toshiba. Color cathode ray tube with deflection means. 4,845,401, 7-4-89, Cl. 313-413.000.

Shimoma, Taketoshi; Morohashi, Katsuei; and Shimokobe, Jiro, to Kabushiki Kaisha Toshiba. Color cathode-ray apparatus having an improved deflection unit. 4,881,015, 11-14-89, Cl. 315-371.000.

Shimoma, Taketoshi: *See—*

Morohashi, Katsuei; Shimokobe, Jiro; and Shimoma, Taketoshi, 4,876,478, Cl. 313-413.000.

Shimomoto, Yasuharu: *See—*

Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.

Shimomura, Akihiro; and Usami, Toshimasa, to Fuji Photo Film Co., Ltd. Heat sensitive recording materials. 4,820,682, 4-11-89, Cl. 503-207.000.

Shimomura, Akihiro; and Ikeda, Kenji, to Fuji Photo Film Co., Ltd. Heat-sensitive recording material. 4,826,807, 5-2-89, Cl. 503-226.000.

Shimomura, Akihiro; Usami, Toshimasa; and Hatakeyama, Seiji, to Fuji Photo Film Co., Ltd. Heatsensitive recording material. 4,845,071, 7-4-89, Cl. 503-205.000.

Shimomura, Akihiro: *See—*

Igarashi, Akira; Shimomura, Akihiro; and Serizawa, Shinichiro, 4,797,384, Cl. 503-200.000.

Usami, Toshimasa; Hatakeyama, Seiji; and Shimomura, Akihiro, 4,840,933, Cl. 503-213.000.

Usami, Toshimasa; Shimomura, Akihiro; Tatsuta, Sumitaka; and Hatakeyama, Seiji, 4,857,501, Cl. 503-200.000.

Shimomura, Haruyuki: *See—*

Takahashi, Kiyoshi; Shimomura, Haruyuki; and Mizuno, Masaru, 4,806,029, Cl. 400-144.200.

Shimomura, Kodo: *See—*

Ishii, Toru; and Shimomura, Kodo, 4,800,704, Cl. 53-145.000.

Shimomura, Kou: *See—*

Kawashimo, Hiroshi; Nakagawa, Kouichi; and Shimomura, Kou, 4,824,801, Cl. 437-187.000.

Shimomura, Masayoshi: *See—*

Fushiki, Yasuo; Isshiki, Minoru; Nakano, Hiroshi; Oizumi, Masayuki; Shimomura, Masayoshi; and Imajo, Keiji, 4,803,115, Cl. 428-285.000.

Shimomura, Masuo: *See—*

Inagaki, Akio; and Shimomura, Masuo, 4,823,434, Cl. 16-115.000.

Nishikawa, Kazuhiro; Kikuchi, Masakatsu; and Shimomura, Masuo, 4,826,239, Cl. 296-218.000.

Shimomura, Mitsuzo; and Torii, Yoshiro, to STEC Inc. Electrical power supply for an electrolytic gas generator. 4,822,469, 4-18-89, Cl. 204-230.000.

Shimomura, Naoko: *See—*

Kiyohara, Kazuto; Funabashi, Yoshiyuki; and Shimomura, Naoko, 4,847,149, Cl. 428-332.000.

Shimomura, Naoyuki: *See—*

Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Shimomura, Nobuo; and Hotta, Tomio, to Kabushiki Kaisha Toshiba. Coffee maker or like beverage making device. 4,841,849, 6-27-89, Cl. 99-282.000.

Shimomura, Satoshi: *See—*

Okamura, Shotaro; and Shimomura, Satoshi, 4,842,299, Cl. 280-732.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Fuel control apparatus. 4,796,588, 1-10-89, Cl. 123-479.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Rotational frequency control apparatus of internal combustion engine. 4,856,475, 8-15-89, Cl. 123-339.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Fuel control apparatus. 4,869,223, 9-26-89, Cl. 123-489.000.

Shimomura, Setsuhiro; and Nishiyama, Ryoji, to Mitsubishi Denki Kabushiki Kaisha. Electronic control device for internal-combustion engines. 4,877,002, 10-31-89, Cl. 123-339.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. RPM control device for internal combustion engine. 4,877,003, 10-31-89, Cl. 123-339.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling number of rotation of internal combustion engine. 4,879,983, 11-14-89, Cl. 123-339.000.

Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Method and device for controlling the operation of an engine for a vehicle. 4,883,035, 11-28-89, Cl. 123-361.000.

Shimomura, Setsuhiro: *See—*

Nishikawa, Toshihide; Hanada, Kenichirou; Nishimura, Yukinobu; and Shimomura, Setsuhiro, 4,807,581, Cl. 123-488.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.

Yamada, Toshihiro; Takebayashi, Hiroyuki; Shimomura, Setsuhiro; and Nishimura, Yukinobu, 4,817,573, Cl. 123-494.000.

Shimomura, Shoji: *See—*

Miyagawa, Michiaki; Ishizaka, Yutaka; and Shimomura, Shoji, 4,876,732, Cl. 382-41.000.

Shimomura, Soichi, to Nippon Piston Ring Co., Ltd. Ferrous sintered alloy vane and rotary compressor. 4,859,164, 8-22-89, Cl. 418-179.000.

Shimomura, Soichi, to Nippon Piston Ring Co., Ltd. Roller in rotary compressor and method for producing the same. 4,861,372, 8-29-89, Cl. 75-232.000.

Shimomura, Souichi: *See—*

Nakamura, Yoshikatsu; Kawamura, Osamu; and Shimomura, Souichi, 4,870,931, Cl. 123-90.390.

Shimomura, Takeshi: *See—*

Oyama, Noboru; Shimomura, Takeshi; and Yamaguchi, Shuichiro, 4,816,118, Cl. 204-418.000.

Ushizawa, Norihiko; and Shimomura, Takeshi, 4,861,454, Cl. 204-414.000.

Yamaguchi, Shuichiro; Ushizawa, Norihiko; and Shimomura, Takeshi, 4,798,664, Cl. 204-418.000.

Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,839,020, Cl. 204-431.000.

Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,871,442, Cl. 204-418.000.

Shimomura, Tetsuro; Tanaka, Katsufusa; and Mochizuki, Mikio, to Mitsubishi Denki Kabushiki Kaisha. Arrester disconnecting device. 4,864,455, 9-5-89, Cl. 361-125.000.

Shimomura, Tsutomu, to Kabushiki Kaisha Toshiba. Multi-purpose reconfigurable computer system having detachable circuit for memory address map and I/O address map. 4,827,408, 5-2-89, Cl. 364-200.000.

Shimomura, Yasuo: *See—*

Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, 4,833,593, Cl. 364-191.000.

Takeuchi, Kunihiko; Baba, Fujio; and Shimomura, Yasuo, 4,855,729, Cl. 340-825.050.
Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, 4,858,103, Cl. 364-174.000.
Shimomura, Yasushi: *See—*
Kamei, Eiichi; and Shimomura, Yasushi, 4,869,822, Cl. 210-321.790.
Shimomura, Yoshimasa: *See—*
Kitao, Nobuo; and Shimomura, Yoshimasa, 4,833,876, Cl. 59-78.100.
Shimomura, Yozo; Mori, Kinya; and Kojima, Osamu, to Chisso Corporation. Polypropylene composition. 4,871,805, 10-3-89, Cl. 525-98.000.
Shimonaka, Hideki; Yoshimoto, Yosuke; and Nakazawa, Masaaki, to Olympus Optical Co., Ltd. Suction control unit for an endoscope. 4,794,913, 1-3-89, Cl. 128-4.000.
Shimonaka, Hideki; and Nakamura, Ichiro, to Olympus Optical Co., Ltd. Forceps plug for endoscopes. 4,809,679, 3-7-89, Cl. 128-4.000.
Shimoni, Moshe: *See—*
Cais, Michael; and Shimoni, Moshe, 4,832,850, Cl. 210-638.000.
Shimoni, Yair; and Niv, Ron, to Elscint Ltd. Data compression system. 4,809,350, 2-28-89, Cl. 382-56.000.
Shimoni, Yair, to Elscint. Decision and implementation system for medical imaging. 4,865,043, 9-12-89, Cl. 128-700.000.
Shimoni, Yair: *See—*
Rotem, Haim; Shimoni, Yair; and Goldberg, Shmuel, 4,797,615, Cl. 324-309.000.
Rotem, Haim; and Shimoni, Yair, 4,871,967, Cl. 324-309.000.
Shimosaka, Naoki: *See—*
Kaede, Kazuhisa; and Shimosaka, Naoki, 4,835,782, Cl. 372-32.000.
Shimosato, Masashi, to Tokyo Electric Co., Ltd. Printer. 4,864,327, 9-5-89, Cl. 346-140.00R.
Shimosato, Masashi: *See—*
Nishikawa, Hisashi; Endo, Mitsuharu; and Shimosato, Masashi, 4,801,952, Cl. 346-140.00R.
Nishikawa, Hisashi; Endo, Mitsuharu; Shimosato, Masashi; and Terao, Yasunobu, 4,868,585, Cl. 346-140.00R.
Shimosato, Yoshikazu: *See—*
Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,807,853, Cl. 266-81.000.
Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,836,864, Cl. 148-16.500.
Shimotani, Mitsuo; Hibino, Masahiro; and Shima, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Speech recognition apparatus. 4,833,714, 5-23-89, Cl. 381-47.000.
Shimotohno, Kunitada: *See—*
Morinaga, Tsuto; Miura, Kin-ichiro; Shimotohno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, 4,855,237, Cl. 435-320.000.
Shimotori, Hitoshi: *See—*
Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.
Shimotori, Yoshio: *See—*
Tateno, Kunio; and Shimotori, Yoshio, 4,836,352, Cl. 194-215.000.
Shimoyama, Kazuaki: *See—*
Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, 4,829,948, Cl. 123-90.160.
Shimoyama, Koyoshi: *See—*
Shimizu, Tokichi; and Shimoyama, Koyoshi, 4,869,765, Cl. 156-201.000.
Shimoyama, Noboru, to Canon Kabushiki Kaisha. Ink ribbon cassette and loading mechanism therefor. 4,867,586, 9-19-89, Cl. 400-208.000.
Shimoyama, Touma: *See—*
Sakai, Masaaki; Ishihara, Sadao; and Shimoyama, Touma, 4,838,720, Cl. 400-642.000.
Shimoyama, Yoshiaki: *See—*
Miyoshi, Kunisuke; Shimoyama, Yoshiaki; and Kubota, Takeshi, 4,851,056, Cl. 148-111.000.
Nakayama, Hisanobu; Nakashima, Shouzaburo; Shimoyama, Yoshiaki; and Mori, Yasukazu, 4,797,167, Cl. 148-111.000.
Shimoyama, Yuji: *See—*
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; Ohno, Hironobu; Shioda, Isamu; and Nakazono, Yoji, 4,870,850, Cl. 72-164.000.
Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; and Ohno, Hironobu, 4,878,961, Cl. 148-128.000.
Shimoyama, Yujiro: *See—*
Kamada, Soetsu; and Shimoyama, Yujiro, 4,843,192, Cl. 200-50.00C.
Sato, Hiroyuki; and Shimoyama, Yujiro, 4,843,195, Cl. 200-302.300.
Yanai, Shinji; and Shimoyama, Yujiro, 4,861,950, Cl. 200-5.00R.
Shimoyashiki, Nobuyoshi: *See—*
Wakabayashi, Kouichi; Shimoyashiki, Nobuyoshi; and Adachi, Akira, 4,810,316, Cl. 156-78.000.
Shimozawa, Eiichi: *See—*
Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
Shimozawa, Toru; Miyamori, Shigeyo; and Nishimatsu, Masaharu, to TDK Corporation. Magnetic recording medium. 4,810,555, 3-7-89, Cl. 428-141.000.
Shimozawa, Toru: *See—*
Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,880,687, Cl. 428-141.000.
Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,889,767, Cl. 428-336.000.
Shimozono, Hiroaki: *See—*
Tabata, Mitsuo; Tojo, Toru; and Shimozono, Hiroaki, 4,811,062, Cl. 356-152.000.
Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama, Masayuki; and Shimozono, Hiroaki, 4,838,693, Cl. 356-356.000.
Shimozono, Ryoji: *See—*
Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
Shimp, Alan B.: *See—*
Beatty, William E., Jr.; and Shimp, Alan B., 4,870,532, Cl. 361-93.000.
Shimp, David A., to Hi-Tek Polymers, Inc. Metal acetylacetonate/alkylphenol curing catalyst for polycyanate esters of polyhydric phenols. 4,847,233, 7-11-89, Cl. 502-171.000.
Shimpo, Tetsuhiko; Fujihata, Isao; and Yanase, Atsushi, to Nippon Chemi-Con Corporation. Transistor with differentiated control switching circuit. 4,823,023, 4-18-89, Cl. 307-254.000.
Shimshock, Richard P.: *See—*
Gray, Howard R.; Shimshock, Richard P.; and Krisl, Matthew E., 4,879,140, Cl. 427-38.000.
Shimura, Akihiro: *See—*
Kusano, Hiroshi; Kiniwa, Hideaki; Shimura, Akihiro; and Annaka, Masahiko, 4,851,382, Cl. 502-401.000.
Shimura, Akira: *See—*
Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
Shimura, Hiroshi: *See—*
Murayama, Noboru; and Shimura, Hiroshi, 4,797,943, Cl. 382-54.000.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Method of quantizing predictive errors. 4,815,078, 3-21-89, Cl. 371-30.000.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Method and apparatus for improving quality of energy subtraction image. 4,816,681, 3-28-89, Cl. 250-327.200.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Method of recognizing subdivision pattern of radiation images. 4,829,181, 5-9-89, Cl. 250-327.200.
Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,835,386, 5-30-89, Cl. 250-327.200.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,855,597, 8-8-89, Cl. 250-327.200.
Shimura, Kazuo; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,857,732, 8-15-89, Cl. 250-327.200.
Shimura, Kazuo; and Ishida, Masamitsu, to Fuji Photo Film Co., Ltd. Radiation image recording and read-out apparatus. 4,859,849, 8-22-89, Cl. 250-327.200.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Radiation image recording apparatus, and stimulable phosphor sheet feeding and loading apparatus. 4,885,468, 12-5-89, Cl. 250-327.200.
Shimura, Kazuo, to Fuji Photo Film Co., Ltd. Method of adjusting read-out conditions for radiation image. 4,887,305, 12-12-89, Cl. 382-51.000.
Shimura, Kazuo: *See—*
Saotome, Shigeru; Ishida, Masamitsu; Shimura, Kazuo; and Watanabe, Hideo, 4,851,675, Cl. 250-327.200.
Shimura, Kiichiro, to Ichikoh Industries Ltd. Motor drive circuit. 4,833,376, 5-23-89, Cl. 318-286.000.
Shimura, Masato: *See—*
Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
Shimura, Noriaki: *See—*
Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Mauru; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.
Shimura, Ryochi; and Konagaya, Yukio, to Ricoh Company Ltd. Non-impact electrothermic recording material. 4,833,021, 5-23-89, Cl. 428-336.000.
Shimura, Ryoji, to Ohi Seisakusho Co., Ltd. Link coupling arrangement for vehicle door lock assembly. 4,886,309, 12-12-89, Cl. 292-336.300.
Shimura, Shinya: *See—*
Yagi, Toshihiko; and Shimura, Shinya, 4,798,775, Cl. 430-569.000.
Shimura, Shiro; Iwase, Toshio; Sato, Munetaka; and Ozawa, Saburo, to Niigata Engineering Co., Ltd. Method for treating waste water from a catalytic cracking unit. 4,816,158, 3-28-89, Cl. 210-610.000.
Shimura, Takaki: *See—*
Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, 4,825,115, Cl. 310-327.000.
Shimura, Takehiko: *See—*
Taniguchi, Kotaro; Konishi, Toshio; Shimura, Takehiko; Tanimoto, Shigekazu; and Nedzu, Shigeru, 4,879,085, Cl. 264-564.000.
Shimura, Tatsuo: *See—*
Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tatsuo; and Tomita, Sigeo, 4,833,587, Cl. 363-96.000.
Shimura, Toshio; Yamada, Masahiko; Ishii, Yoshiteru; and Tamae, Fuminobu, to Kabushiki Kaisha Toshiba. Tuner circuit. 4,843,637, 6-27-89, Cl. 455-200.000.

Shimura, Yukihiro, to NEC Corporation. Base station capable of monitoring occurrence of interference on every transmission. 4,837,801, 6-6-89, Cl. 379-61.000.
Shimura, Yukihiro, to NEC Corporation. Rapid processing of immediately successive arrival signals in a base station of a radio communication network. 4,860,337, 8-22-89, Cl. 379-63.000.
Shimura, Yukihiro: *See—*
Saegusa, Noboru; and Shimura, Yukihiro, 4,864,599, Cl. 379-61.000.
Shimura, Zenji: *See—*
Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.
Shimuta, Masanori: *See—*
Konishi, Akihiko; Mizukami, Masamichi; and Shimuta, Masanori, 4,836,859, Cl. 134-1.000.
Shimuzu, Isoo; Matsumura, Yasuo; and Inomata, Yoshihisa. Binder for ceramics. 4,836,966, 6-6-89, Cl. 264-63.000.
Shin Caterpillar Mitsubishi Ltd.: *See—*
Morita, Izuru; Tozawa, Shoji; Hisatake, Tsuneo; and Atono, Tadasi, 4,853,859, Cl. 364-424.040.
Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, 4,866,932, Cl. 60-288.000.
Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.
Shin, Charles C.; Favstritsky, Nicolai A.; and Dadgar, Ahmad, to Great Lakes Chemical Corporation. Cryoprotectant composition. 4,896,543, 12-12-89, Cl. 71-88.000.
Shin-Chin, Shao, to Holmes Products Corp. Clip-on electric fan. 4,799,858, 1-24-89, Cl. 416-110.000.
Shin-Chin, Shao, to Holmes Products Corp. Combination window and floor fan. 4,838,151, 6-13-89, Cl. 98-94.100.
Shin-Etsu Chemical Co., Ltd.: *See—*
Amano, Tadashi; Okuno, Yoshitaka; and Watanabe, Junichi, 4,826,940, Cl. 526-61.000.
Amano, Tadashi; Watanabe, Junichi; and Kitamura, Hajime, 4,845,174, Cl. 526-62.000.
Amano, Tadashi; and Abe, Tokuji, 4,885,333, Cl. 524-762.000.
Arai, Masatoshi; Satoh, Shinichi; and Fujioka, Kazutoshi, 4,801,725, Cl. 556-434.000.
Arai, Masatoshi; and Kimura, Tsuneo, 4,845,259, Cl. 556-440.000.
Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.
Eguchi, Yoshitugu; Miyashita, Masaru; Arai, Hitoshi; and Ogushi, Yoshimi, 4,806,432, Cl. 428-457.000.
Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, 4,883,569, Cl. 204-157.740.
Fujimoto, Teruo, Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,803,243, Cl. 525-100.000.
Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,864,003, Cl. 525-288.000.
Hara, Yasuaki; Aoki, Hisashi; and Momii, Kazuma, 4,870,149, Cl. 528-15.000.
Hida, Yoshinori; and Kozakai, Shohei, 4,810,731, Cl. 522-33.000.
Hida, Yoshinori; and Katayama, Seizi, 4,886,841, Cl. 522-99.000.
Ikeno, Masayuki; Miyakoshi, Masanobu; and Inomata, Hiroshi, 4,818,805, Cl. 528-15.000.
Ikeno, Masayuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,886,865, Cl. 528-15.000.
Inoue, Yoshio; and Yaginuma, Atsushi, 4,801,622, Cl. 521-134.000.
Itoh, Kunio; Takahashi, Masaharu; Takita, Kenichi; and Yoshida, Takeo, 4,814,408, Cl. 528-24.000.
Itoh, Kunio; Imai, Kiyoshi; and Fukuda, Takeshi, 4,826,905, Cl. 524-366.000.
Itoh, Kunio; and Umemura, Mitsuo, 4,870,115, Cl. 521-134.000.
Itoh, Kunio; and Shiobara, Toshio, 4,876,298, Cl. 523-433.000.
Itoh, Kunio; Fukushima, Motoo; and Nakamura, Tsutomu, 4,876,344, Cl. 544-219.000.
Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, 4,877,822, Cl. 523-433.000.
Kitamura, Hajime; and Iida, Tamaki, 4,839,195, Cl. 427-38.000.
Kokubo, Hiroyasu; Chiba, Tohru; and Sekigawa, Fujio, 4,837,033, Cl. 424-494.000.
Maruyama, Kazumasa; Chiba, Tohru; and Takamizawa, Minoru, 4,843,517, Cl. 361-323.000.
Maruyama, Kazumasa; Kaneko, Tatsushi; and Chiba, Tohru, 4,882,517, Cl. 313-502.000.
Mori, Shigeru; and Takahashi, Takayuki, 4,840,739, Cl. 252-17.000.
Mori, Shigeru; and Sugita, Toshikazu, 4,842,753, Cl. 252-42.700.
Mutoh, Kiyoyuki; Satoh, Kazushi; and Kobayashi, Kouichirou, 4,855,381, Cl. 528-2[illegible].000.
Nakanishi, Toru; Hoshida, Shigehiro; and Ueno, Susumu, 4,824,717, Cl. 428-255.000.
Ogawa, Kinya; Yamamoto, Akira; Aiba, Noboru; and Nagura, Shigehiro, 4,834,745, Cl. 604-890.100.
Ogawa, Kinya; and Yamamoto, Akira, 4,844,916, Cl. 424-409.000.
Ogawa, Masahiko; Kashida, Meguru; and Isobe, Kenichi, 4,849,491, Cl. 528-15.000.
Okamura, Yoshio; Kumagae, Kimitaka; Itoh, Hideyuki; and Mori, Shigeru, 4,868,063, Cl. 428-429.000.
Onodera, Kazukiyo; and Ito, Shinichi, 4,822,782, Cl. 514-183.000.
Onodera, Kazukiyo; and Ito, Shinichi, 4,822,783, Cl. 514-183.000.
Satoh, Shinichi; and Fujioka, Kazutoshi, 4,861,908, Cl. 556-420.000.
Shimizu, Takaaki; and Okon, Toshihiro, 4,842,837, Cl. 423-335.000.
Shimizu, Takaaki; and Tanaka, Syuji, 4,883,521, Cl. 65-17.000.
Shiobara, Toshio; and Tomiyoshi, Kazutoshi, 4,859,722, Cl. 523-433.000.
Takago, Toshio; Yamamoto, Yasushi; and Yamaguchi, Kouichi, 4,804,709, Cl. 525-102.000.
Takago, Toshio; and Yamamoto, Yasushi, 4,880,927, Cl. 544-193.000.
Takahashi, Masaharu; Take, Keiji; and Yoshida, Takeo, 4,810,564, Cl. 428-213.000.
Takahashi, Masaharu; and Yoshida, Takeo, 4,888,374, Cl. 524-227.000.
Takamizawa, Minoru; Takeda, Yoshihumi; Hayashida, Akira; and Takeno, Tsutomu, 4,847,345, Cl. 528-35.000.
Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, 4,870,035, Cl. 501-88.000.
Takeda, Yoshihumi; Takamizawa, Minoru; and Hayashida, Akira, 4,869,854, Cl. 264-22.000.
Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, 4,814,376, Cl. 524-588.000.
Watanabe, Junich; and Yokota, Tohru, 4,816,539, Cl. 526-320.000.
Yamada, Motoyuki; Hayashida, Akira; Numanami, Kazutoshi; and Iizuka, Takahiro, 4,849,196, Cl. 423-345.000.
Yokokawa, Kiyoshi; and Koya, Kazuo, 4,874,416, Cl. 65-3.120.
Yoshino, Masachika; Hasebe, Nobuyuki; Fujiki, Hironao; and Inomata, Hiroshi, 4,879,339, Cl. 524-740.000.
Yoshioka, Hiroshi; Yamamoto, Akira; Takamizawa, Minoru; and Ishihara, Toshinobu, 4,869,747, Cl. 71-106.000.
Shin-Etsu Handotai Co., Ltd.: *See—*
Abe, Takao; and Muraoka, Shyouzo, 4,833,287, Cl. 219-10.790.
Ikeda, Yasuhiro; Suzuki, Kunio; Watanabe, Masataka; and Ohara, Nobuhiro, 4,866,230, Cl. 219-10.430.
Ikeda, Yasuhiro; and Mizuishi, Kouji, 4,886,647, Cl. 422-250.000.
Takahashi, Toru, 4,846,927, Cl. 156-618.100.
Watanabe, Masataka; Ohhara, Nobuhiro; and Taguchi, Kenichi, 4,876,438, Cl. 219-497.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, 4,830,762, Cl. 252-2.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; and Kobayashi, Minoru, 4,838,946, Cl. 134-7.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Shimizu, Masakatu; and Tanaka, Takashi, 4,879,050, Cl. 252-2.000.
Shin-Etsu Polymer Co., Ltd.: *See—*
Hasegawa, Masamitsu; Tamura, Satoshi; Wakashima, Takashi; and Sugiyama, Isao, 4,877,678, Cl. 428-216.000.
Hirabayashi, Akio; Kaneko, Katsuaki; and Okazaki, Yoshitake, 4,802,408, Cl. 100-90.000.
Tahara, Kazutoki; and Egawa, Toshihiko, 4,874,671, Cl. 428-447.000.
Shin-Gijutsu Kaihatsu Jigyodan: *See—*
Masumoto, Tsuyoshi; Esashi, Kiyoyuki; and Nose, Masateru, 4,842,657, Cl. 148-403.000.
Shin, Hyun-Jun: *See—*
Hong, Suk-Kwon; Bang, Ho-Yol; and Shin, Hyun-Jun, 4,820,933, Cl. 307-10.100.
Shin-ichi, Suto: *See—*
Yoshinori, Koshida; Minoru, Isobe; and Shin-ichi, Suto, 4,889,220, Cl. 194-206.000.
Shin, Ki-Ho: *See—*
Min, Sung-Ki; Myung, Chan-Kyu; and Shin, Ki-Ho, 4,881,042, Cl. 329-326.000.
Shin-Kobe Electric Machinery Co., Ltd.: *See—*
Kariya, Kenichi; Noda, Masayuki; Yamaguchi, Takahiro; and Takahashi, Katsuji, 4,883,708, Cl. 428-263.000.
Shin, Kouitirou: *See—*
Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masuko, Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, Cl. 198-346.200.
Shin, Masaaki; Fujiwara, Akio; and Taniwaki, Hiroshi, to Mitsui Toatsu Chemicals, Incorporated. Electrophotographic toner for high speed electrophotography. 4,857,433, 8-15-89, Cl. 430-120.000.
Shin, Masaaki: *See—*
Kawaski, Shoji; Sato, Hisatomo; Shin, Masaaki; and Yamamoto, Takashi, 4,849,316, Cl. 435-106.600.
Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.
Shin, Masaru: *See—*
Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.
Shin Meiwa Industry Co., Ltd.: *See—*
Fukuoka, Hisahiro; Takano, Yutaka; and Kamiyama, Yoichi, 4,870,247, Cl. 219-125.100.
Nakata, Kenji; Tomonari, Kyo; and Yamanaka, Takeo, 4,862,587, Cl. 29-867.000.
Shin Nihon Chemical Industry Co., Ltd.: *See—*
Oda, Yasuyoshi, 4,879,101, Cl. 423-163.000.
Shin Nisso Kako Co., Ltd.: *See—*
Kaneko, Masaharu; Fujikawa, Kazuhiko; and Okamoto, Tetsuhiko, 4,864,048, Cl. 558-93.000.
Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.
Okamoto, Tetsuhiko; Ueyama, Shinichiro; and Fujikawa, Kazuhiko, 4,795,621, Cl. 423-300.000.

Ueyama, Shinichiro; Furukawa, Masayuki; and Nishikawa, Tadaichi, 4,855,389, Cl. 528-168.000.
Shin, Sadahito: *See—*
Ohe, Yasuo; Matsuura, Makiko; Shimizu, Fumio; Nakajima, Yoshito; Shin, Sadahito; and Shima, Kenji, 4,837,170, Cl. 436-548.000.
Shin, Soo H.; Pasko, John G.; and Anderson, J. R., to Rockwell International Corporation. HgMnCdTe avalanche photodiode. 4,862,236, 8-29-89, Cl. 357-30.000.
Shin, Sung-Chul, to Eastman Kodak Company. Magnetrooptical recording media and method of preparing them. 4,876,159, 10-24-89, Cl. 428-607.000.
Shin, Tokujiro; Ida, Yoshio; and Maenaka, Koyu, to Tsudakoma Kogyo Kabushiki Kaisha. Insertion controller for alternate weaving with different wefts on a fluid jet loom. 4,832,086, 5-23-89, Cl. 139-435.000.
Shin, Un Shik: *See—*
Choi, Hae Y., 4,839,926, Cl. 2-199.000.
Shin-ya, Seiji: *See—*
Miyake, Haruhisa; Shin-ya, Seiji; and Furukawa, Yutaka, 4,814,418, Cl. 528-37.000.
Shinabe, Munehiro, to Citizen Watch Co., Ltd. System for driving a liquid crystal display panel. 4,872,059, 10-3-89, Cl. 358-241.000.
Shinada, Haruji: *See—*
Higashi, Akio; and Shinada, Haruji, 4,796,072, Cl. 357-30.000.
Shinada, Hidetoshi, to Fuji Photo Film Co., Ltd. Optical semiconductor device. 4,882,607, 11-21-89, Cl. 357-19.000.
Shinada, Hiroyuki; Todokoro, Hideo; and Fukuhara, Satoru, to Hitachi, Ltd. Magnetic/electric field measuring device by means of an electron beam. 4,803,430, 2-7-89, Cl. 324-250.000.
Shinada, Hiroyuki: *See—*
Fukuhara, Satoru; Shinada, Hiroyuki; and Todokoro, Hideo, 4,868,394, Cl. 250-397.000.
Shinada, Masayuki, to Ricoh Company, Ltd. Cleaning device for a corona discharger. 4,864,363, 9-5-89, Cl. 355-133.000.
Shinada, Mikio, to Mitsubishi Denki Kabushiki Kaisha. Ribbon cartridge for a printer. 4,838,716, 6-13-89, Cl. 400-208.000.
Shinada, Mikio *See—*
Hirono, Tetsuro; and Shinada, Mikio, 4,828,415, Cl. 400-605.000.
Shinada, Shinichi: *See—*
Mikoshiba, Shigeo; Shinada, Shinichi; and Matsumoto, Takahiro, 4,839,637, Cl. 340-775.000.
Okamoto, Yukio; Shinada, Shinichi; Suzuki, Kenkichi; and Kougami, Akihiko, 4,799,058, Cl. 340-811.000.
Shinada, Toru, to Fuji Photo Film Co., Ltd. Device for interpolating missing color-difference signal by averaging line-sequential color-difference signals. 4,796,085, 1-3-89, Cl. 358-75.000.
Shinada, Toru, to Fuji Photo Film Co., Ltd. Video signal circuit having time base correction. 4,802,025, 1-31-89, Cl. 360-36.200.
Shinada, Toru, to Fuji Photo Film Co., Ltd. Processor for emphasizing edges of a video signal. 4,843,472, 6-27-89, Cl. 358-164.000.
Shinagawa, Noriteru: *See—*
Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shinagawa, Noriteru; and Itano, Jiro, 4,856,048, Cl. 379-60.000.
Shinagawa Refractories Co., Ltd.: *See—*
Ichikawa, Kenji; Tsukamoto, Noboru; Iwado, Hitoshi; and Iida, Eishi, 4,830,992, Cl. 501-100.000.
Ichikawa, Kenji; Nomura, Osamu; Kawabe, Yoichiro; and Yanagawa, Koyo, 4,842,647, Cl. 106-38.200.
Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, 4,840,296, Cl. 222-600.000.
Shinagawa Shoko Co., Ltd.: *See—*
Nakamura, Toshinobu, 4,882,813, Cl. 24-16.0PB.
Shinagawa, Susumu: *See—*
Kanamaru, Tsuneo; Shinagawa, Susumu; and Muroi, Masayuki, 4,803,275, Cl. 546-116.000.
Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.
Shinagawa, Takehisa: *See—*
Hoffstein, Mark F.; and Shinagawa, Takehisa, 4,841,680, Cl. 51-283.00R.
Shinagawa, Yukio: *See—*
Sasaki, Jun; Adachi, Atsushi; Naruo, Kyoichi; Shinagawa, Yukio; and Ohtani, Sumio, 4,840,733, Cl. 210-500.410.
Shinal, Edward C.: *See—*
Desai, Narendra R.; Shinal, Edward C.; Ganesan, Madurai; and Carpentier, Eugene A., 4,816,247, Cl. 424-80.000.
Shinano Kikaku Company Ltd.: *See—*
Kagota, Minoru, 4,888,649, Cl. 358-335.000.
Shinano Pneumatic Industries Inc.: *See—*
Izumisawa, Osamu, 4,821,611, Cl. 81-464.000.
Shinano Tokki Corporation: *See—*
Kitahara, Haruo, 4,839,546, Cl. 310-51.000.
Nakajima, Satoshi, 4,827,168, Cl. 310-90.000.
Shinbayashi, Toshiya; and Takeuchi, Takashi, to Hitachi, Ltd. Optical information recording and reproducing apparatus with amplitude limitation of a detected signal in a write operation mode. 4,855,988, 8-8-89, Cl. 369-116.000.
Shinbo, Atsushi: *See—*
Hosoda, Kenichiro; Kawaguchi, Shinji; Shinbo, Atsushi; and Yokota, Kiyoshi, 4,860,315, Cl. 375-30.000.
Shinbo, Katsutoshi: *See—*
Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.
Shinbo, Toshio; Nishimura, Koichiro; Yamaguchi, Tomohiko; and Sugiura, Masaaki, to Director-General Agency of Industrial Science and Technology. Filler for separating optical isomer. 4,842,935, 6-27-89, Cl. 428-404.000.
Shinbori, Kenichi; and Ishikawa, Kazuo, to Canon Kabushiki Kaisha. Method of driving a solid state image pickup device. 4,803,555, 2-7-89, Cl. 358-213.190.
Shinbori, Osamu; Mimura, Yoshinori; Tokiwa, Hideharu; and Nakai, Tetsuya, to Kokusai Denshin Denwa Kabushiki Kaisha. Fusion splicing method for optical fibers. 4,810,054, 3-7-89, Cl. 350-96.210.
Shinbori, Takeyoshi; Takadera, Ichiro; and Taguchi, Kohei, to NHK Spring Co., Ltd. Gas spring apparatus. 4,880,213, 11-14-89, Cl. 267-64.270.
Shinbori, Takeyoshi: *See—*
Fukumura, Takeo; Shinbori, Takeyoshi; and Ezure, Nobuya, 4,828,231, Cl. 267-64.230.
Nishiyama, Masakazu; Shinbori, Takeyoshi; and Yamamoto, Hideo, 4,886,256, Cl. 267-221.000.
Shindeldecker, Walter E. Oscillating lure. 4,823,500, 4-25-89, Cl. 43-42.130.
Shindengen Electric Manufacturing Co., Ltd: *See—*
Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.
Shindengen Kogyo Kabushiki Kaisha: *See—*
Miura, Nobuo; Nakayama, Hitoshi; Ishii, Nolihisa; and Maeda, Hidenori, 4,827,891, Cl. 123-598.000.
Tanaka, Kiichi, 4,862,338, Cl. 363-19.000.
Shindley, Richard P.: *See—*
Miller, Phillip; Shindley, Richard P.; Feltz, Kristi T.; Hanson, George E.; and White, Jonathan R., 4,882,475, Cl. 235-383.000.
Shindo, Hitoshi; Enari, Masahiko; and Kuno, Mitsutoshi, to Canon Kabushiki Kaisha. Optical modulation apparatus. 4,802,744, 2-7-89, Cl. 350-339.00F.
Shindo, Hitoshi: *See—*
Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
Shindo, Isao: *See—*
Kurimura, Masaaki; Yabe, Ryohei; and Shindo, Isao, 4,807,984, Cl. 350-529.000.
Shindo, Katsuaki: *See—*
Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, 4,866,134, Cl. 525-109.000.
Shindo, Katsuji: *See—*
Ozawa, Jun; Shindo, Katsuji; Takeuchi Shigetaka; and Suzuki, Goro, 4,814,936, Cl. 361-127.000.
Shindo, Masamichi: *See—*
Kato, Toshihiro; Shindo, Masamichi; and Fukasawa, Yoshihito, 4,874,956, Cl. 250-560.000.
Shindo, Osamu; and Ogawa, Ryota, to Asahi Kogaku Kogyo Kabushiki Kaisha. Optical system for use in focus detecting apparatus. 4,808,806, 2-28-89, Cl. 250-201.000.
Shindo, Osamu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic visibility correction viewfinder system for optical devices. 4,828,381, 5-9-89, Cl. 351-211.000.
Shindo, Osamu, to Asahi Kogaku Kabushiki Kaisha. Focus detecting optical system. 4,829,332, 5-9-89, Cl. 354-407.000.
Shindo, Robert S. Long range trigger-actuated squirt gun. 4,854,480, 8-8-89, Cl. 222-79.000.
Shindo, Seizin; Hosoi, Hiroomi; and Shinmoto, Masaki, to Nippon Kayaku Kabushiki Kaisha. Toners for electrophotographic process containing a phenolic compound. 4,795,690, 1-3-89, Cl. 430-109.000.
Shindo, Seizin: *See—*
Matuura, Toshihiko; Sawaki, Kenzi; Shindo, Seizin; and Torigoe, Michiko, 4,824,751, Cl. 430-106.000.
Shindo, Syotoro: *See—*
Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hiroshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
Shindo, Takuji; Naito, Hiromitsu; and Takeuchi, Makoto, to Nippon Steel Corporation. Method for producing titanium strip having small proof strength anisotropy and improved ductility. 4,871,400, 10-3-89, Cl. 148-12.70B.
Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukada, Nobuo, to Nippon Steel Corporation; and Toho Titanium Co., Ltd. High strength titanium material having improved ductility. 4,886,559, 12-12-89, Cl. 148-421.000.
Shindo, Yasuhiro; Tsujimoto, Yukio; and Saito, Isami, to Matsushita Electric Industrial Co., Ltd. Chip type component. 4,829,553, 5-9-89, Cl. 338-309.000.
Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu; and Hirayama, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Method of heat treatment of low melting-point metal on an electrode of a chip part. 4,842,654, 6-27-89, Cl. 148-20.600.
Shindo, Yoshikazu: *See—*
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,876,952, Cl. 98-121.200.
Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,887,522, Cl. 98-40.200.
Shindo, Yoshio; and Ito, Hiroshi, to Toyota Jidosha Kogyo Kabushiki Kaisha. Automatic transmission with overdrive. 4,831,892, 5-23-89, Cl. 74-740.000.

Shindo, Yoshio; Wada, Koichi; and Yamazaki, Fumio, to Nippon Steel Corporation. Surface treated steel material particularly electroplated steel sheet. 4,853,295, 8-1-89, Cl. 428-621.000.
Shindo, Yoshio; Yamazaki, Fumio; Wada, Kouichi; Tomio, Hidehiro; and Saito, Katsushi, to Nippon Steel Corporation. Method for producing a Zn-series electroplated steel sheet. 4,857,154, 8-15-89, Cl. 204-27.000.
Shindo, Yoshio: *See—*
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,811,223, Cl. 364-424.100.
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,815,340, Cl. 74-858.000.
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,858,496, Cl. 74-863.000.
Yasue, Hideki; Fukumura, Kagenori; Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,819,187, Cl. 364-431.010.
Shindoh, Hirohiko: *See—*
Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, 4,801,433, Cl. 422-228.000.
Shindoh, Shigeru: *See—*
Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, 4,835,609, Cl. 358-142.000.
Shindou, Yoshio; and Kabeya, Motoo, to Nippon Steel Corporation. Zn-Al hot-dip galvanized steel sheet having improved resistance against secular peeling of coating. 4,812,371, 3-14-89, Cl. 428-659.000.
Shindou, Yoshio; Kabeya, Motoo; Shimazu, Takashi; and Yamazaki, Fumio, to Nippon Steel Corporation. Organic composite-plated steel sheet. 4,876,160, 10-24-89, Cl. 428-623.000.
Shindou, Yoshio: *See—*
Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, 4,861,441, Cl. 204-38.700.
Shine, John: *See—*
Hudson, Peter J.; Shine, John; Niall, Hugh D.; and Tregear, Geoffrey W., 4,871,670, Cl. 435-172.300.
Shine, Toshifumi, to NEC Corporation. Integrated optoelectronic circuit. 4,868,640, 9-19-89, Cl. 357-75.000.
Shine, Ward, to Frito-Lay, Inc. Shelf-stable, soft dough product. 4,803,084, 2-7-89, Cl. 426-20.000.
Shingai, Hidetaka: *See—*
Ishikawa, Hiroshi; and Shingai, Hidetaka, 4,822,252, Cl. 417-222.000.
Shingai, Kazuto: *See—*
Miyazaki, [illegible]; Shingai, Kazuto; and Ohsawa, Susumu, 4,837,759, Cl. 369-32.000.
Shingaki, Kouichi: *See—*
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,854,678, Cl. 350-356.000.
Kitano, Hirohisa; Saito, Itaru; Shingaki, Kouichi; Matsubara, Ken; and Masuda, Tomohiko, 4,887,104, Cl. 350-355.000.
Shingaki, Seiichi: *See—*
Asahara, Yoshiyuki; Sasai, Hiroyuki; Omi, Shigeaki; Shingaki, Seiichi; and Nakayama, Shin, 4,844,589, Cl. 350-413.000.
Shingo, Yoshioki: *See—*
Hasegawa, Masatake; Kobayashi, Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, 4,869,848, Cl. 252-609.000.
Shingu, Akira: *See—*
Kunichika, Kenji; Matsumoto, Hiroshi; and Shingu, Akira, 4,840,875, Cl. 430-309.000.
Shingu, Hideo; Abe, Mitsunobu; Sato, Takashi; and Yamada, Toshio, to Nippon Steel Corporation. Method for the manufacture of formed products from powders, foils, or fine wires. 4,820,141, 4-11-89, Cl. 419-8.000.
Shingu, Noriya: *See—*
Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,[illegible], Cl. 423-239.000.
Shingu, Yasuyuki: *See—*
Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.
Shinguryo, Satoshi: *See—*
Kogure, Masaaki; Mitekura, Yoshihiro; Matsuyama, Naoki; and Shinguryo, Satoshi, 4,857,908, Cl. 340-785.000.
Shinichi, Kouno: *See—*
Yoshiki, Fujioka; Shinichi, Kouno; and Tatsuo, Shinohara, 4,823,[illegible], Cl. 318-798.000.
Shinichi, Matsumoto: *See—*
Naoyuki, Oie; Hiromichi, Koyama; Katsuyuki, Tanaka; and Shinichi, Matsumoto, 4,827,154, Cl. 307-116.000.
Shinichi, Nagata, to Dainippon Screen Manufacturing Co., Ltd. Optical system. 4,852,980, 8-1-89, Cl. 350-432.000.
Shinji, Okuda: *See—*
Tsuyoshi, Nagata; Katsuto, Fujita; and Shinji, Okuda, 4,843,874, Cl. 73-150.00R.
Shinjo, Goro: *See—*
Kohama, Takuji; Minagawa, Fumiyasu; Shinjo, Goro; Tsuda, Shigenori; and Maeda, Kazuyuki, 4,834,977, Cl. 424-405.000.
Shinjo, Katsumi, to Yugen Kaisha Shinjo Seisakusho; Matsui, Teruyuki; Matsuyama, Kikuma; and Saito, Toshisaida. Process and apparatus for fabricating stepped nails. 4,881,395, 11-21-89, Cl. 72-90.000.
Shinjo, Kenji: *See—*
Katagiri, Kazuharu; Shinjo, Kenji; and Yoshinaga, Kazuo, 4,816,178, Cl. 252-299.600.
Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,812,259, Cl. 252-299.650.
Yoshinaga, Kazuo; Katagiri, Kazuharu; Kobayashi, Toyoko; and Shinjo, Kenji, 4,876,027, Cl. 252-299.650.
Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, 4,880,560, Cl. 252-299.010.
Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.
Shinjo, Kinichi; and Go, Mutsukazu. Gear system. 4,885,959, 12-12-89, Cl. 74-801.000.
Shinjo, Masayoshi: *See—*
Amimoto, Yoshio; Shinjo, Masayoshi; Hayashi, Kazunori; and Enomoto, Takashi, 4,795,793, Cl. 526-243.000.
Fukui, Shosin; Shinjo, Masayoshi; and Aoyama, Hirokazu, 4,840,675, Cl. 106-38.220.
Shinjoh, Hirofumi: *See—*
Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
Shinjou, Ietsugu; and Shoji, Rikuo, to Carl Freudenberg, Firma. Semipermeable membrane support. 4,795,559, 1-3-89, Cl. 210-490.000.
Shinjyo, Akio: *See—*
Nagai, Katsumi; and Shinjyo, Akio, 4,808,053, Cl. 413-30.000.
Shinkai, Hiromu: *See—*
Sokai, Katsuji; and Shinkai, Hiromu, 4,831,352, Cl. 336-12.000.
Shinkai, Hiroshi; and Kishiye, Takao, to Nisshin Chemicals Co., Ltd. Pharmaceutical compositions for the treatment of skin diseases. 4,829,082, 5-9-89, Cl. 514-458.000.
Shinkai, Hisashi: *See—*
Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, 4,816,484, Cl. 514-563.000.
Shinkai, Ichiro: *See—*
Bender, Dean R.; Shinkai, Ichiro; De Marco, Anthony M.; and McCauley, James A., 4,816,577, Cl. 540-200.000.
DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, 4,826,999, Cl. 549-214.000.
DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, 4,831,165, Cl. 549-214.000.
DeCamp, Ann E.; Verhoeven, Thomas R.; and Shinkai, Ichiro, 4,864,035, Cl. 549-214.000.
Desmond, Richard; Mills, Sander G.; Volante, Ralph P.; and Shinkai, Ichiro, 4,871,873, Cl. 564-276.000.
Schuda, Ann D.; Verhoeven, Thomas R.; and Shinkai, Ichiro, 4,876,364, Cl. 549-214.000.
Thompson, Andrew S.; Verhoeven, Thomas R.; and Shinkai, Ichiro, 4,866,186, Cl. 549-292.000.
Volante, Ralph P.; Corley, Edward; and Shinkai, Ichiro, 4,814,452, Cl. 546-89.000.
Volante, Ralph P.; Desmond, Richard; and Shinkai, Ichiro, 4,835,276, Cl. 546-89.000.
Shinkai, Kunio; Tanaka, Yutaka; and Yokoyama, Hachiro, to Howa Machinery, Ltd. System for controlling displacement of carriage working machines. 4,821,504, 4-18-89, Cl. 57-276.000.
Shinkai, Masaru; Tanaka, Makoto; Aramaki, Jun; and Onizuka, Masaaki, to Mitsubishi Denki Kabushiki Kaisha. Wire electrode type electric discharge machining device with preventable application of external force to its lower arm. 4,808,786, 2-28-89, Cl. 219-69.00W.
Shinkai, Naruto: *See—*
Ueda, Yasuhiro; Nagai, Isao; Shinkai, Naruto; Nakazawa, Masaaki; and Terayama, Toshiki, 4,805,618, Cl. 128-346.000.
Shinkai, Satoshi: *See—*
Himeno, Toshio; Shimizu, Hitoshi; and Shinkai, Satoshi, 4,882,977, Cl. 92-5.00R.
Shinkawa, Hiroyasu: *See—*
Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, 4,795,484, Cl. 71-92.000.
Shida, Takafumi; Yamazaki, Shiro; and Shinkawa, Hiroyasu, 4,820,334, Cl. 71-92.000.
Shinkawa, Kiyoshi; Kawahara, Takeshi; Hayakawa, Hideki; and Mori, Masaru, to Mitsubishi Denki Kabushiki Kaisha. Route bus service controlling system. 4,799,162, 1-17-89, Cl. 364-436.000.
Shinkawa, Masami, to Harada Kogyo Kabushiki Kaisha. Motor driven antenna for vehicles. 4,829,317, 5-9-89, Cl. 343-903.000.
Shinko Electric Co., Ltd.: *See—*
Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
Karita, Mitsuji; Shinya, Tsutomu; and Oishi, Tetsuo, 4,868,431, Cl. 310-12.000.
Karita, Mitsuji, 4,876,765, Cl. 16-102.000.
Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,868,364, Cl. 219-110.000.
Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,879,445, Cl. 219-64.000.
Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, 4,796,054, Cl. 355-8.000.
Maeno, Satoru; Fukuyama, Norio; Ohishi, Tetsuo; Kyutoku, Senzo; and Nakamura, Thutomu, 4,837,493, Cl. 318-685.000.
Maji, Hiroshi; and Oi, Sukehachi, 4,844,220, Cl. 188-267.000.
Matsumoto, Takashi; and Udagawa, Shigeru, 4,860,662, Cl. 104-93.000.
Mitsushima, Susumu; Kawano, Junji; and Iwata, Satoshi, 4,845,514, Cl. 346-76.0PH.
Nakamura, Hiroaki, 4,804,874, Cl. 310-92.000.
Ohyama, Toshinobu, 4,866,783, Cl. 382-23.000.

Okada, Yoshimi; Kimura, Masao; and Okubo, Kazuo, 4,841,216, Cl. 322-10.000.
Takahashi, Fumio; and Ogita, Hiromitsu, 4,795,999, Cl. 346-76.0PH.
Shinko Electric Industries Co., Ltd.: *See—*
Horiuchi, Michio; and Mizushima, Kihou, 4,827,082, Cl. 174-52.400.
Kuraishi, Fumio, 4,809,053, Cl. 357-70.000.
Miyagawa, Fumio; Sakai, Hiroyuki; and Takenouchi, Toshikazu, 4,890,155, Cl. 357-74.000.
Sato, Takeshi; Fukase, Katsuya; Shimada, Kiyotaka; and Uchida, Hirofumi, 4,867,839, Cl. 156-630.000.
Shinko Kosen Kogyo Kabushiki: *See—*
Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
Shinkoda, Kazuya: *See—*
Kohara, Yoshiaki; and Shinkoda, Kazuya, 4,854,666, Cl. 350-96.340.
Shinkoh Electric Co., Ltd.: *See—*
Umemura, Heihachiro, 4,816,671, Cl. 250-229.000.
Shinkoh Sellbic Co., Ltd.: *See—*
Takeuchi, Hiroshi, 4,824,358, Cl. 425-436.00R.
Takeuchi, Hiroshi; and Takeuchi, Yoshiaki, 4,861,254, Cl. 425-190.000.
Shinmi, Akira: *See—*
Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.
Shinmi, Masamichi: *See—*
Watanabe, Hirokazu; and Shinmi, Masamichi, 4,858,281, Cl. 24-113.0MP.
Shinmoto, Masaki: *See—*
Shindo, Seizin; Hosoi, Hiroomi; and Shinmoto, Masaki, 4,795,690, Cl. 430-109.000.
Shinmoto, Toshiharu, to Mazda Motor Corporation. Reverse synchronizer with a smaller synchronization capacity then the forward gear synchronizers. 4,856,361, 8-15-89, Cl. 74-339.000.
Shinmyo, Saburo, to NEC Corporation. TDMA communication system having common time slots for system maintenance. 4,882,730, 11-21-89, Cl. 370-95.200.
Shinn, Donald E.; and Livingston, Andrew D., to Productization, Inc. Rotary drum dryer and method. 4,802,288, 2-7-89, Cl. 34-136.000.
Shinnai, Masao: *See—*
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,803,492, Cl. 343-713.000.
Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,849,766, Cl. 343-713.000.
Shinnick, Thomas M.; Minden, Percy; and Houghten, Richard A., to Scripps Clinic and Research Foundation. Synthetic polypeptides and receptor molecules derived therefrom and methods of use. 4,889,800, 12-26-89, Cl. 435-7.000.
Shinnihon Printing Co., Ltd.: *See—*
Sano, Toshikazu, 4,887,763, Cl. 229-71.000.
Shino, Katsuhide, to Sharp Kabushiki Kaisha. IC card. 4,825,283, 4-25-89, Cl. 357-74.000.
Shino, Katsuhide, to Sharp Kabushiki Kaisha. Information processing device for IC card. 4,843,223, 6-27-89, Cl. 235-487.000.
Shino, Katsuhide: *See—*
Oogita, Yoshinori; and Shino, Katsuhide, 4,882,477, Cl. 235-488.000.
Shino, Masami; Takano, Hideaki; Nakata, Jitsuo; and Noro, Katsuhiko, to Kyodo Oxygen Co., Ltd. Production process of xenon. 4,874,592, 10-17-89, Cl. 423-262.000.
Shino, Satoshi; Sasahara, Akira; Ishikawa, Kiyoshi; Shibasaki, Shigeru; and Takashina, Shinji, to Rank Xerox Limited. Paper feed cassette. 4,826,147, 5-2-89, Cl. 271-145.000.
Shino-Test Laboratory Inc.: *See—*
Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, 4,843,021, Cl. 436-533.000.
Shinoda, Hosei: *See—*
Takayanagi, Hiroshi; Kobayashi, Tadashi; Masuda, Takayoshi; and Shinoda, Hosei, 4,859,763, Cl. 528-357.000.
Shinoda, Isamu: *See—*
Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
Shinoda, Junji: *See—*
Yamaguchi, Michio; and Shinoda, Junji, 4,827,530, Cl. 382-13.000.
Shinoda, Katsuro; Kawaguchi, Toshiyuki; Nakanishi, Kazumi; Oguri, Noriyasu; Harada, Hiroshi; and Nakajima, Isao, to NGK Insulators, LTD. Optical fiber-containing insulators. 4,810,836, 3-7-89, Cl. 174-139.000.
Shinoda, Katsuro; Kawaguchi, Toshiyuki; Katsukawa, Hiroyuki; and Tanaka, Naoki, to NGK Insulators, Ltd. Helmet with two-way radio communication faculty. 4,833,726, 5-23-89, Cl. 455-89.000.
Shinoda, Kazuo: *See—*
Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, 4,825,373, Cl. 364-431.050.
Shinoda, Kenichi; Iwao, Tomoyoshi; Isayama, Tomoaki; and Higo, Yuichi, to Nisshin Steel Co., Ltd. Vibration-damper metal sheets. 4,873,149, 10-10-89, Cl. 428-609.000.
Shinoda, Masaki: *See—*
Shibasaki, Masakatsu; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; and Hayashi, Yoshio, 4,810,805, Cl. 549-421.000.
Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
Shinoda, Naoharu; Tatani, Atsushi; Takashina, Toru; and Onizuka, Masakazu, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for desulfurizing smoke. 4,810,477, 3-7-89, Cl. 423-242.000.
Shinoda, Naoharu; Yoneda, Kenichi; Hino, Masao; Muramatsu, Kenzo; Miyake, Masato; Shimizu, Taku; and Otani, Hidehiko, to Mitsubishi Jukogyo Kabushiki Kaisha. Method for treating waste liquid in wet exhaust gas treating apparatus. 4,886,524, 12-12-89, Cl. 55-8.000.
Shinoda, Nobuhiki: *See—*
Kawamura, Masaharu; Sakurada, Nobuaki; Murakami, Hiroyasu; Shinoda, Nobuhiki; and Ito, Tadashi, 4,821,056, Cl. 354-289.100.
Shinoda, Takahisa, to Koito Manufacturing Co., Ltd. AC power control apparatus. 4,868,486, 9-19-89, Cl. 323-324.000.
Shinoda, Takashi; and Ishihara, Masamichi, to Hitachi, Ltd. Semiconductor memory having multiple continuous access functions. 4,802,135, 1-31-89, Cl. 365-233.000.
Shinoda, Takashi, to Hitachi, Ltd. High speed serial input/output semiconductor memory. 4,811,295, 3-7-89, Cl. 365-189.000.
Shinoda, Takashi; and Sakai, Osamu, to Hitachi, Ltd. Semiconductor memory with an improved dummy cell arrangement and with a built-in error correcting code circuit. 4,817,052, 3-28-89, Cl. 365-104.000.
Shinoda, Takashi; Sakai, Kikuo; Ogata, Masahiro; Kawamoto, Hiroshi; Onishi, Yoshiaki, deceased; and by Onishi, Junko, administratrix, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Semiconductor device having head only memory with differential amplifier. 4,839,860, 6-13-89, Cl. 365-104.000.
Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takaso, Tsuneto; Hagiwara, Akira; and Ishii, Yoshiaki, to Nippon Hume Pipe Co., Ltd. Method and apparatus for laying cable in a pipe. 4,822,211, 4-18-89, Cl. 405-154.000.
Shinoda, Yoshio: *See—*
Onogi, Nobuyoshi; Shimamoto, Mamoru; and Shinoda, Yoshio, 4,797,826, Cl. 364-426.040.
Shinogaya, Toshikazu: *See—*
Sakayori, Kiyoshi; Iwasaki, Shinichi; Ishida, Yozo; Shinogaya, Toshikazu; and Ishizuka, Yuzo, 4,887,950, Cl. 411-302.000.
Shinogi & Co., Ltd.: *See—*
Hirai, Kentaro; Mizushima, Yukio; and Doteuchi, Masami, 4,839,365, Cl. 514-301.000.
Shinohara, Hideo: *See—*
Shiono, Katsumi; Shinohara, Hideo; Naito, Sadao; and Ikeda, Goroo, 4,799,166, Cl. 364-497.000.
Shinohara, Hideyuki: *See—*
Osawa, Shigenobu; Kawaguchi, Taiichi; Tamura, Makoto; and Shinohara, Hideyuki, 4,804,995, Cl. 355-3.0DD.
Shinohara, Hiroichi; Suzuki, Hideo; and Ogihara, Satoru, to Hitachi, Ltd. Condenser-containing, ceramic multi-layer circuit board and semiconductor module and computer having the circuit board 4,858,077, 8-15-89, Cl. 361-414.000.
Shinohara, Hiroichi: *See—*
Ushifusa, Nobuyuki; Shinohara, Hiroichi; Nagayama, Kousei; Ogihara, Satoru; and Soga, Tasao, 4,821,142, Cl. 361-395.000.
Shinohara, Hiromichi: *See—*
Shamoto, Naoki; Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.
Shinohara, Hiroshi: *See—*
Abiko, Kenji; Minagawa, Shikoh; Shinohara, Hiroshi; and Koseki, Kayoko, 4,846,168, Cl. 128-203.150.
Shinohara, Hiroyuki, to Fuji Jukogyo Kabushiki Kaisha. Blow-bye gas return device for internal combustion engines. 4,862,860, 9-5-89, Cl. 123-572.000.
Shinohara, Hisaji: *See—*
Ozaki, Ryoji; Shinohara, Hisaji; Yamamoto, Hironobu; Nara, Takashi; and Yoshida, Hajime, 4,808,223, Cl. 75-235.000.
Shinohara, Hisato: *See—*
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
Shinohara, Isao, to Casio Computer Co., Ltd. Electronic musical instrument with automatic performing function. 4,876,938, 10-31-89, Cl. 84-611.000.
Shinohara, Junji: *See—*
Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayashi, Shigetoyo; and Yamamoto, Hiroki, 4,838,969, Cl. 156-160.000.
Shinohara, Katumi: *See—*
Kato, Masaaki; Shinohara, Katumi; and Sugiyama, Hiromu, 4,861,610, Cl. 426-582.000.
Shinohara, Kenji; Niwa, Takashi; and Wakatsuki, Yoshihiro, to Omron Tateisi Electronics Co. Barrier assembly for mounting controlling devices. 4,883,929, 11-28-89, Cl. 200-5.00R.
Shinohara, Koji: *See—*
Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, 4,880,318, Cl. 384-125.000.
Shinohara, Mahito: *See—*
Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, 4,831,454, Cl. 358-213.310.
Shinohara, Mamoru, to Oki Electric Industry Co., Ltd. Method of manufacturing Bi-CMOS semiconductor IC devices using dopant rediffusion. 4,806,499, 2-21-89, Cl. 437-31.000.

Shinohara, Masanao; Kaise, Hirotsugu; Nakano, Yoshimasa; Izawa, Taketoshi; Oshiro, Yasuo; and Miyazaki, Wasei, to Otsuka Pharmaceutical Co., Ltd. Composition for prophylaxis and therapy of hepatitis. 4,831,053, 5-16-89, Cl. 514-462.000.
Shinohara, Masayori; Motomatsu, Tsutomu; and Hoshino, Makoto, to Pioneer Electronic Corporation. Remote control transmission apparatus. 4,852,073, 7-25-89, Cl. 369-32.000.
Shinohara, Masayori: *See—*
Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.
Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.
Shinohara, Norio: *See—*
Shibata, Jcuji; Ohtani, Kazuo; Shinohara, Norio; and Hanyuda, Toshiaki, 4,853,279, Cl. 428-267.000.
Shinohara, Seigo: *See—*
Ohara, Sosaburo; Ikeda, Atsushi; Shinohara, Seigo; and Kijima, Tetsuo, 4,880,557, Cl. 252-174.150.
Shinohara, Shigeru; and Suzuki, Shun, to Hitachi Koki Company, Ltd. Variable duty ratio speed controller for DC motors. 4,803,410, 2-7-89, Cl. 318-331.000.
Shinohara, Shigeru; Suzuki, Shun; and Niyada, Masateru, to Hitachi Koki Company, Limited. Drilling machine. 4,831,364, 5-16-89, Cl. 340-680.000.
Shinohara, Syuichiro: *See—*
Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, 4,874,830, Cl. 526-318.400.
Shinohara, Takayoshi, to Nissin Kogyo Kabushiki Kaisha. Vacuum type booster. 4,821,623, 4-18-89, Cl. 91-376.00R.
Shinohara, Takayoshi, to Nissin Kogyo Kabushiki Kaisha. Master cylinder with piston retainer. 4,887,517, 12-19-89, Cl. 92-128.000.
Shinohara, Takeshi: *See—*
Takata, Yukio; and Shinohara, Takeshi, 4,801,041, Cl. 220-359.000.
Yamada, Toyokazu; Miyama, Masao; Sugimura, Hideo; and Shinohara, Takeshi, 4,842,951, Cl. 428-516.000.
Shinohara, Tooru; and Iwatsubo, Masahito, to Fujitsu Limited. DC motor drive system for reducing start-up current. 4,879,498, 11-7-89, Cl. 318-254.000.
Shinohara, Toshio, to Toyota Jidosha Kogyo Kabushiki Kaisha. Optimum angle adjusting apparatus for vehicle equipments. 4,811,226, 3-7-89, Cl. 364-424.050.
Shinohara, Toshio: *See—*
Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, 4,883,569, Cl. 204-157.740.
Shinohara, Yoshinori: *See—*
Hirama, Masahiro; Tanidokoro, Hiroaki; Kitahara, Naoto; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,868,711, Cl. 361-321.000.
Kitahara, Naoto; Tanidokoro, Hiroaki; Hirama, Masahiro; Shinohara, Yoshinori; and Hikita, Kazuyasu, 4,835,656, Cl. 361-321.000.
Shinohara, Yukimasa: *See—*
Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, 4,843,432, Cl. 355-41.000.
Shinoki, Yuta: *See—*
Yamada, Tuneo; and Shinoki, Yuta, 4,833,545, Cl. 358-282.000.
Shinomiya, Genichi; and Chikutei, Satoru, to Nichia Kagaku Kogyo K.K. Phosphor materials for radiation intensifying screens and radiation intensifying screens containing the phosphor materials. 4,829,188, 5-9-89, Cl. 250-483.100.
Shinomiya, Masaki: *See—*
Kobayashi, Koichi; Shinomiya, Masaki; Kobayashi, Tsutomu; Higashikawa, Masahiro; and Ukegawa, Shin, 4,864,194, Cl. 315-248.000.
Shinomiya, Masami, to Ohtsu Tire & Rubber Co., Ltd., The. All-terrain pneumatic tire. 4,881,586, 11-21-89, Cl. 152-209.00B.
Shinomiya, Miharu: *See—*
Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,761, Cl. 219-137.710.
Shinomiya, Takashi, to Sumitomo Electric Industries, Ltd. Wheel speed control arrangement. 4,832,415, 5-23-89, Cl. 303-100.000.
Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, to Hokkai Can Co., Ltd. Apparatus and method for manufacturing tubular member. 4,875,960, 10-24-89, Cl. 156-203.000.
Shinomura, Ryuichi: *See—*
Takasugi, Wasao; Shinomura, Ryuichi; and Okabe, Takeaki, 4,817,056, Cl. 367-137.000.
Shinomura, Toshihiko, to Inoue MTP Kabushiki Kaisya. Electrically conductive polymer composite and method of making same. 4,824,871, 4-25-89, Cl. 521-53.000.
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Shinonaga, Hideo: *See—*
Doi, Toshiki; Shinonaga, Hideo; and Kuribayashi, Hideyuki, 4,816,340, Cl. 428-424.800.
Mitsuno, Tatsuyuki; Shinonaga, Hideo; and Daimon, Akio, 4,868,226, Cl. 523-212.000.
Shinonaga, Hirohiko: *See—*
Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.
Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, 4,890,124, Cl. 346-160.000.
Shinono, Takeo: *See—*
Aida, Fumio; Shinono, Takeo; Hanai, Misao; and Tassavori, Shahrzad, 4,801,766, Cl. 174-120.0SC.
Shinoto, Yoshinori. Selection system for ideographic characters by touch typing using phonetic/hieroglyphic codes. 4,879,653, 11-7-89, Cl. 364-419.000.
Shinozaki, Fumiaki: *See—*
Ishikawa, Shun-ichi; Imagawa, Tadao; Maeda, Minoru; and Shinozaki, Fumiaki, 4,837,106, Cl. 430-138.000.
Namiki, Tomizo; Suzuki, Kazuo; and Shinozaki, Fumiaki, 4,877,712, Cl. 430-256.000.
Suzuki, Tamotsu; Shinozaki, Fumiaki; Nishioka, Akira; and Totsuka, Mikio, 4,803,145, Cl. 430-166.000.
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Shinozaki, Fumihiko: *See—*
Yokoyama, Yutaka; and Shinozaki, Fumihiko, 4,885,115, Cl. 252-62.200.
Shinozaki, Kaoru: *See—*
Iijima, Toshifumi; Kumashiro, Kenji; Kashiwagi, Hiroshi; Hatta, Koichi; Hotta, Yuji; Ohya, Hiroko; Nakayama, Noritaka; Kawakatsu, Satoshi; Katoh, Katsunori; and Shinozaki, Kaoru, 4,840,886, Cl. 430-558.000.
Shinozaki, Kazuo: *See—*
Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.
Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
Shinozaki, Masatoshi: *See—*
Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, 4,889,566, Cl. 148-2.000.
Shinozaki, Masayuki: *See—*
Izawa, Fumio; and Shinozaki, Masayuki, 4,803,350, Cl. 235-492.000.
Ohta, Toshihiko; Fuse, Kazuyoshi; Ohmi, Kunio; Sato, Toshiaki; and Shinozaki, Masayuki, 4,818,853, Cl. 235-492.000.
Shinozaki, [illegible]buo; Tagami, Shigeru; Tanaka, Masaki; and Niwa, Katauhito, to Seikosha Co., Ltd. Program shutter. 4,864,346, 9-5-89, Cl. 354-439.000.
Shinozaki, Nobuo: *See—*
Ishida, Hiroaki; and Shinozaki, Nobuo, 4,868,596, Cl. 354-439.000.
Ishida, Hiroaki; Shinozaki, Nobuo; and Nakazawa, Michitake, 4,876,563, Cl. 354-234.100.
Nakagawa, Tadashi; Shinozaki, Nobuo; Tagami, Shigeru; and Seki, Youichi, 4,864,347, Cl. 354-439.000.
Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl. 354-400.000.
Shinozaki, Shigeo: *See—*
Oyama, Yoshimasa; Asai, Masato; Tanigawa, Toru; Shinozaki, Shigeo; and Shiga, Shoji, 4,822,560, Cl. 420-470.000.
Shinozaki, Shinichiro: *See—*
Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,840,043, Cl. 62-51.200.
Sakitani, Katsumi; Kang, Yoon M.; Shinozaki, Shinichiro; Taneya, Shoichi; Miura, Kazuo; Ogura, Tadashi; and Noguchi, Satoshi, 4,854,131, Cl. 62-51.200.
Shinozaki, Sohji: *See—*
Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, 4,832,301, Cl. 248-359.00H.
Shinozaki, Takashi; and Tachikawa, Hiroshi, to Laurel Bank Machines Co., Ltd. Coin conveying and stacking apparatus. 4,820,237, 4-11-89, Cl. 453-61.000.
Shinozaki, Takashi: *See—*
Yoshikawa, Eiichi; Shinozaki, Takashi; and Ito, Takahiko, 4,883,264, Cl. 271-110.000.
Shinozaki, Takeki: *See—*
Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.
Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, to Topy Kogyo Kabushiki Kaisha; and Watanabe Tekko Kabushiki Kaisha. Flaring apparatus for flaring a rim element. 4,809,529, 3-7-89, Cl. 72-31.000.
Shinozawa, Yusaku; and Sugiura, Shin, to Topy Kogyo Kabushiki Kaisha. Apparatus for chamfering edges of a rim element. 4,821,548, 4-18-89, Cl. 72-107.000.
Shinozawa, Yusaku; Takahashi, Minoru; and Nakamura, Tsunoru, to Topy Kogyo Kabushiki Kaisha; and Watanabe Tekko Kabushiki Kaisha. Top roll exchanging apparatus for a wheel rim forming machine. 4,825,675, 5-2-89, Cl. 72-105.000.

Shinozawa, Yusaku; and Sugiura, Shin, to Topy Kogyo Kabushiki Kaisha. Valve hole punching apparatus for a wheel. 4,854,201, 8-8-89, Cl. 83-140.000.
Shinozawa, Yusaku: *See—*
  Itou, Susumu; Shinozawa, Yusaku; and Nakamura, Tsunoru, 4,848,125, Cl. 72-105.000.
Shinozuka, Minoru, to Olympus Optical Co., Ltd. Endoscopic operation instrument. 4,865,017, 9-12-89, Cl. 128-4.000.
Shinozuka, Tatsuko: *See—*
  Takatori, Hiroshi; Kokumai, Motohiro; and Shinozuka, Tatsuko, 4,868,874, Cl. 379-411.000.
Shinozuka, Toshinobu: *See—*
  Miyake, Tomohisa; Kataigi, Tsutomu; and Shinozuka, Toshinobu, 4,863,295, Cl. 400-54.000.
Shinpo Kabushiki Kaisha: *See—*
  Yamada, Takeshi, 4,796,601, Cl. 126-299.00R.
  Yamada, Takeshi, 4,877,015, Cl. 126-299.00R.
Shinpo, Kunihiro, to Chlorella Industry Co., Ltd. Anticancer agent. 4,822,612, 4-18-89, Cl. 424-195.100.
Shinraku, Mituaki: *See—*
  Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.
Shinriki, Hiroshi: *See—*
  Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
Shinroku, Nakao; Ishikura, Takashi; and Arai, Yuuichi, to Combi Co., Ltd. Self-supporting/maintaining mechanism of baby carriage. 4,828,278, 5-9-89, Cl. 280-644.000.
Shinsha, Takao; Morita, Masato; Sakataya, Yoshinori; Tsuchiya, Yoji; Hikosaka, Mitsuhiro; Koshishita, Junji; Akiyama, Keiho; and Kubo, Takashige, to Hitachi, Ltd.; Hitachi Microcomputer Engineering, Ltd.; and Hitachi Software Engineering Co., Ltd. Incremental logic synthesis method. 4,882,690, 11-21-89, Cl. 364-490.000.
Shinskey, Francis G., to Foxboro Company, The. Method and apparatus for statistical set point bias control. 4,855,897, 8-8-89, Cl. 364-148.000.
Shintani, Yooichi: *See—*
  Kamada, Eiki; Shintani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, 4,831,515, Cl. 364-200.000.
  Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.
Shinto, Hiroaki; Nakamura, Syuji; Yamaguchi, Terumoto; and Oguri, Tomiji, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Energy absorbing apparatus for steering wheel. 4,829,848, 5-16-89, Cl. 74-552.000.
Shinto, Hiroaki: *See—*
  Kobayashi, Nobuo; Tanimoto, Iwao; Watanabe, Atsushi; and Shinto, Hiroaki, 4,800,770, Cl. 74-422.000.
Shinto Paint Co., Ltd.: *See—*
  Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.
  Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Toda, Kazuo; Kamakura, Takuro; and Ota, Toshiaki, 4,812,387, Cl. 430-311.000.
  Suzuki, Tameyuki; and Kamakura, Takuro, 4,844,784, Cl. 204-180.900.
  Suzuki, Tameyuki; and Kamakura, Takuro, 4,873,175, Cl. 430-311.000.
  Watanabe, Tsutomu; and Hayashi, Hideki, 4,863,646, Cl. 264-15.000.
  Yamamoto, Kiyoshi; Nakamura, Toshihiro; Ito, Tadao; and Inui, Keiichiro, 4,797,230, Cl. 252-364.000.
Shinto, Terukazu: *See—*
  Higashihara, Shinichiro; and Shinto, Terukazu, 4,820,132, Cl. 417-222.000.
Shinwa Kabushiki Kaisha: *See—*
  Ogawa, Hisashi, 4,811,145, Cl. 360-109.000.
  Ogawa, Hisashi, 4,843,499, Cl. 360-96.300.
Shinwa Sangyo Co., Ltd.: *See—*
  Kashiwada, Ken; Muto, Tadanobu; and Sasaki, Tetsuo, 4,874,035, Cl. 165-38.000.
  Komiya, Jujiro, 4,804,503, Cl. 261-153.000.
Shinya, Hiroshi: *See—*
  Imai, Kimimasa; and Shinya, Hiroshi, 4,849,653, Cl. 307-290.000.
Shinya, Tadao: *See—*
  Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
Shinya, Tsutomu: *See—*
  Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
  Karita, Mitsuji; Shinya, Tsutomu; and Oishi, Tetsuo, 4,868,431, Cl. 310-12.000.
Shinzawa, Akira; and Kohno, Yoshiki, to Nippon Oil Co., Ltd. Fire-retardant electric device. 4,812,262, 3-14-89, Cl. 252-567.000.
Shinzawa, Fumio: *See—*
  Atsuta, Toshikatsu; Hirotaka, Shiroshita; Shinzawa, Fumio; Matsuo, Eiki; and Koinuma, Toshiaki, 4,834,514, Cl. 350-429.000.
Shinzawa, Motohiro; and Sekiya, Yoshiki, to Nissan Motor Co., Ltd. Diesel engine having shaped flame dispersing recess in piston crown. 4,881,501, 11-21-89, Cl. 123-279.000.
Shinzawa, Motohiro; and Kanesaki, Nobukazu, to Nissan Motor Company, Limited. Exhaust particle removing system for an engine. 4,887,427, 12-19-89, Cl. 60-286.000.
Shio, Kiyomi: *See—*
  Katahira, Keiichi; Shio, Kiyomi; and Kanai, Noriyuki, 4,854,371, Cl. 164-431.000.
Shiobara, Ryoichi; and Ohi, Masao, to Hitachi, Ltd. Fault diagnosis system for rotor winding of rotary electric machine. 4,851,766, 7-25-89, Cl. 324-158.0MG.
Shiobara, Toshio; and Tomiyoshi, Kazutoshi, to Shin-Etsu Chemical Co., Ltd. Epoxy resin composition. 4,859,722, 8-22-89, Cl. 523-433.000.
Shiobara, Toshio: *See—*
  Itoh, Kunio; and Shiobara, Toshio, 4,876,298, Cl. 523-433.000.
  Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, 4,877,822, Cl. 523-433.000.
Shiochi, Masazumi; and Ugawa, Akimitsu, to Kabushiki Kaisha Toshiba. Insulated-gate semicustom integrated circuit. 4,868,705, 9-19-89, Cl. 361-91.000.
Shioda, Isamu: *See—*
  Yamaguchi, Yasuhiro; Shimoyama, Yuji; Ohnishi, Tateo; Ohno, Hironobu; Shioda, Isamu; and Nakazono, Yoji, 4,870,850, Cl. 72-164.000.
Shioda, Yasuhiro; Nakamura, Shinya; Funahashi, Makoto; and Kubo, Seitoku, to Toyota Jidosha Kabushiki Kaisha. Accumulator piston having a coil spring secured thereto. 4,881,725, 11-21-89, Cl. 267-179.000.
Shiohara, Tomoo: *See—*
  Ikeuchi, Satoru; Arai, Mitutaka; Okuyama, Yuki; Yuri, Hideki; Shiohara, Tomoo; and Oyama, Yasuhiko, 4,883,734, Cl. 430-109.000.
Shiohara, Yukihiko: *See—*
  Okonogi, Itaru; Shiohara, Yukihiko; Sakurai, Mitsuru; and Ota, Masahiro, 4,865,915, Cl. 428-336.000.
Shiohara, Yukimitsu: *See—*
  Abe, Masaki; Shiohara, Yukimitsu; Adaniya, Takeshi; and Naemura, Hiroshi, 4,839,241, Cl. 428-659.000.
Shioiri, Noriaki: *See—*
  Hasegawa, Hiroshi; Shioiri, Noriaki; Narita, Tadashi; and Katori, Tatsuhiko, 4,876,359, Cl. 548-533.000.
Shioji, Mitsuaki, to Sharp Kabushiki Kaisha. Liquid crystal display device with particular impedance ratio for signal and common electrodes. 4,878,739, 11-7-89, Cl. 350-336.000.
Shioji, Mitsuaki: *See—*
  Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.
  Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.
Shioji, Shobu; Sasabe, Masazumi; Dairoku, Yorimichi; and Fujiwara, Teruaki, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for production of aqueous dispersion of inorganic pigment. 4,818,783, 4-4-89, Cl. 524-425.000.
Shiojima, Isao: *See—*
  Kusakata, Shigeru; Suzuki, Aimi; and Shiojima, Isao, 4,847,385, Cl. 548-455.000.
Shiojiri, Hiroyuki: *See—*
  Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
Shiojiri Kogyo Kabushiki Kaisha: *See—*
  Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Masaru; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.
  Kubota, Masaru, 4,845,693, Cl. 368-185.000.
  Ozawa, Masaki; Hosaka, Toshiyuki; and Yoshizawa, Masayuki, 4,838,707, Cl. 374-171.000.
Shiojiro Kogyo Kabushiki Kaisha: *See—*
  Hiraga, Imao; Yamazaki, Satoshi; Yamada, Takehide; and Nishitani, Tadashi, 4,862,434, Cl. 368-190.000.
Shiokama, Yoshiharu; Ohta, Naoto; Okano, Hiroshi; and Inadome, Kiyotaka, to Nikon Corporation. Zoom lens capable of macro photography. 4,806,000, 2-21-89, Cl. 350-430.000.
Shiokama, Yoshiharu: *See—*
  Hamanishi, Yoshinari; Shiokama, Yoshiharu; Imanari, Hitoshi; and Ohmori, Sachio, 4,796,045, Cl. 354-400.000.
  Terui, Nobuhiko; Kusaka, Yosuke; Shiokama, Yoshiharu; and Sasagaki, Nobuaki, 4,881,094, Cl. 354-286.000.
Shiokawa, Hiroyuki: *See—*
  Kimura, Haruyoshi; Hiraiwa, Yoshitaka; Shiokawa, Hiroyuki; Nagata, Hiroshi; and Inoue, Yukio, 4,867,932, Cl. 264-29.100.
Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, to Nihon Tokushu Noyaku Seizo K.K. Novel heterocyclic compounds. 4,803,277, 2-7-89, Cl. 514-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, to Nihon Tokushu Noyaku Seizo K.K. Pyridyl alkylenediamine compounds insecticidal. 4,806,555, 2-21-89, Cl. 514-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, to Nihon Tokushu Noyaku Seizo K.K. Nitromethylene derivatives and their use as insecticides. 4,812,454, 3-14-89, Cl. 514-256.000.

Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, to Nihon Tokushu Noyaku Seizo K.K. N-(substituted pyridylalkyl) alkylenediamine intermediates for insecticides. 4,812,571, 3-14-89, Cl. 546-296.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, to Nihon Tokushu Noyaku Seizo K.K. Heterocyclic thiazole compounds. 4,845,106, 7-4-89, Cl. 514-342.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, to Nihon Tokushu Noyaku Seizo K.K. Heterocyclic compounds. 4,849,432, 7-18-89, Cl. 514-341.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, to Nihon Tokushu Noyaku Seizo K.K. Pesticidal nitro-substituted heterocyclic compounds. 4,876,263, 10-24-89, Cl. 514-338.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Moriya, Koichi; and Shibuya, Katsuhiko, to Nihon Tokushu Noyaku Seizo K.K. Nitro- or cyano-derivatives of 2-imino-imidazolines and 2-imino-tetrahydropyrimidines. 4,880,933, 11-14-89, Cl. 544-332.000.
Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, to Nihon Tokushu Noyaku Seizo K.K. Pyridylmethyl-4-thiazolines. 4,882,344, 11-21-89, Cl. 514-342.000.
Shiokawa, Takayasu; Yasukawa, Koji; and Karasawa, Yoshio, to Kokusai Denshin Denwa Kabushiki Kaisha. Radio wave receiving system. 4,853,702, 8-1-89, Cl. 342-363.000.
Shiokawa, Youichi; Nagano, Masanobu; and Itani, Hiromichi, to Fujisawa Pharmaceutical Co., Ltd. Imidazopyridine compounds and processes for preparation thereof. 4,831,041, 5-16-89, Cl. 514-300.000.
Shiomi, Akio: *See—*
  Yoshida, Kiminobu; Shiomi, Akio; and Watanabe, Kazuhisa, 4,812,154, Cl. 65-3.110.
Shiomi, Junichi: *See—*
  Mano, Hiroshi; Tsurusaki, Masayuki; Sano, Yoshikazu; and Shiomi, Junichi, 4,887,264, Cl. 370-58.200.
Shiomi, Kazuyuki; and Murata, Takahiko, to Honda Giken Kogyo Kabushiki Kaisha. Speed reduction device. 4,811,699, 3-14-89, Cl. 123-90.230.
Shiomi, Masayuki: *See—*
  Nagamoto, Mitsuki; and Shiomi, Masayuki, 4,825,179, Cl. 335-80.000.
Shiomi, Toshinori: *See—*
  Takenawa, Seishi; Shiomi, Toshinori; and Yamochi, Motoko, 4,830,871, Cl. 426-634.000.
Shiomi, Tsukasa: *See—*
  Yoshikawa, Katsuyuki; Inoue, Hidetoshi; Shiomi, Tsukasa; Oie, Shojiro; and Abe, Mutsumi, 4,822,414, Cl. 75-249.000.
Shiomi, Yasuhiko: *See—*
  Tsuboi, Takayuki; Nakazawa, Isao; Maeno, Hiroshi; and Shiomi, Yasuhiko, 4,870,439, Cl. 354-195.120.
Shiomi, Yasushi; Matsuzaki, Tokuo; and Masunaga, Katsuro, to UBE Industries, Ltd. Process for the preparation of a diester of oxalic acid. 4,874,888, 10-17-89, Cl. 560-204.000.
Shiomi, Yoshinori; Kamiyama, Toshibumi; Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; and Matsui, Masahiko, to Matsushita Electric Industrial Co., Ltd. Tape cassette. 4,844,377, 7-4-89, Cl. 242-198.000.
Shiomi, Yoshinori: *See—*
  Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,803,575, Cl. 360-94.000.
  Nishimura, Akihiro; Kawagishi, Masao; Sakumoto, Hideki; Matsui, Masahiko; and Shiomi, Yoshinori, 4,809,113, Cl. 360-132.000.
Shiomi, Yutaka: *See—*
  Saito, Yasuhisa; Kamio, Kunimasa; Kanagawa, Shuichi; and Shiomi, Yutaka, 4,808,717, Cl. 544-219.000.
  Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.
  Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.
Shiomura, Tetsunosuke; Sonobe, Yoshiho; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Incorporated. Process for producing thermosetting resins. 4,865,795, 9-12-89, Cl. 264-299.000.
Shiomura, Yasuro: *See—*
  Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,801,641, Cl. 524-426.000.
  Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,886,850, Cl. 524-413.000.
Shiono, Hidemi: *See—*
  Matsui, Shigeru; Onodera, Takashi; Sekihara, Kensuke; Shiono, Hidemi; and Kohno, Hideki, 4,797,616, Cl. 324-309.000.
Shiono, Katsuji: *See—*
  Kuwae, Yoshiteru; Shiono, Katsuji; Kishi, Takaaki; Shimamoto, Hideki; Nagara, Hisao; Mori, Keiji; and Yoshida, Shingo, 4,821,153, Cl. 361-505.000.
Shiono, Katsumi; Shinohara, Hideo; Naito, Sadao; and Ikeda, Goroo, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for automatically analyzing gases in oil. 4,799,166, 1-17-89, Cl. 364-497.000.
Shiono, Mikio: *See—*
  Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,803,243, Cl. 525-100.000.
  Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,864,003, Cl. 525-288.000.
Shiono, Teruhiro; Setsune, Kentaro; and Yamazaki, Osamu, to Matsushita Electric Industrial Co., Ltd. Optical head with astigmatic reflecting element. 4,870,632, 9-26-89, Cl. 369-44.000.
Shionogi & Co., Ltd.: *See—*
  Adachi, Ikuo; Yamamori, Teruo; Ueda, Motohiko; and Sato, Hatsuo, 4,873,334, Cl. 514-303.000.
  Asaka, Junichiro; Fujiwara, Tamio; Fujiwara, Takashi; Kuwajima, Goro; Kondo, Eiji; and Shin, Masaru, 4,886,748, Cl. 435-69.700.
  Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.
  Hirai, Kentaro; and Mizushima, Yukio, 4,882,338, Cl. 514-307.000.
  Homan, Morio; Sugie, Nizo; Yoshimura, Masakiyo; and Shirakawa, Yoshikazu, 4,880,702, Cl. 428-354.000.
  Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.
  Makoto, Adachi; Matsumura, Hiromu; and Sugasawa, Tsutomu, 4,857,645, Cl. 544-349.000.
  Matsutani, Shigeru; Mizushima, Yukio; Doteuchi, Masami; and Ishihara, Yasunobu, 4,840,953, Cl. 514-258.000.
  Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, 4,820,836, Cl. 548-512.000.
  Mori, Sachio; Iwakura, Hikozo; and Takechi, Shozo, 4,85[illegible],449, Cl. 548-512.000.
  Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
  Saitoh, Izumi; Kido, Shigeru; Sasaki, Yoshio; and Shinohara, Syuichiro, 4,874,830, Cl. 526-318.400.
  Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, 4,828,840, Cl. 424-474.000.
  Shudo, Koichi, 4,831,052, Cl. 514-455.000.
  Sonoyama, Takayasu; Yagi, Shigeo; Kageyama, Bunji; and Tanimoto, Masahiro, 4,879,229, Cl. 435-138.000.
  Sugasawa, Tsutomu; and Sasakura, Kazuyuki, 4,831,132, Cl. 540-476.000.
  Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, 4,797,492, Cl. 548-245.000.
  Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, 4,888,044, Cl. 71-88.000.
  Takeda, Ken'ichi; and Horibe, Isao, 4,874,898, Cl. 568-369.000.
  Uo, Junko; Nishimura, Masaji; Horiguchi, Kazuo; Nakanishi, Setsuko; and Kaku, Shigeru, 4,803,154, Cl. 435-7.000.
Shionoya, Kazunori: *See—*
  Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.
Shionozaki, Yoshio; Mukai, Hiroshi; Obikawa, Tsuyoshi; and Yamada, Shuhei, to Seiko Epson Kabushiki Kaisha. 2-phenylpyridine derivatives and liquid crystal compositions including same. 4,879,060, 11-7-89, Cl. 252-299.610.
Shiosaka, Akihiro: *See—*
  Kumagami, Naoki; Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, 4,822,967, Cl. 219-10.55F.
Shiota, Kazuo, to Fuji Photo Film Co. Ltd. Shading correcting apparatus for photographic printer. 4,875,071, 10-17-89, Cl. 355-20.000.
Shiota, Keiichi, to Kabushiki Kaisha Toshiba. Ink ribbon control apparatus for locating replacement cartridge color band in a color printer. 4,798,489, 1-17-89, Cl. 400-216.100.
Shiota, Philip: *See—*
  Wright, James R.; and Shiota, Philip, 4,826,779, Cl. 437-020.000.
  Wright, James R.; and Shiota, Philip, 4,835,111, Cl. 437-20.000.
Shiota, Toshiaki: *See—*
  Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
Shiota, Toshihiko: *See—*
  Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, 4,826,805, Cl. 502-402.000.
Shiota, Tsuneo: *See—*
  Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, 4,875,218, Cl. 372-64.000.
Shiotani, Chitose: *See—*
  Shigematsu, Tatsuhiko; Ichidate, Minoru; Shiotani, Chitose; and Tozawa, Yohzi, 4,846,884, Cl. 75-3.000.
Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, to Sharp Kabushiki Kaisha. Machine translation system translating all or a selected portion of an input sentence. 4,814,988, 3-21-89, Cl. 364-419.000.
Shiotani, Shinobu: *See—*
  Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya, Syuzo; Shiotani, Shinobu; and Sata, Ichiko, 4,833,611, Cl. 364-419.000.
  Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,860,206, Cl. 364-419.000.
Shiotani, Tadahiko; and Matsuura, Hideo, to Sanyei Corp. Ice cream maker. 4,796,440, 1-10-89, Cl. 62-343.000.
Shiotani, Yosuke, to Star Seiki Co., Ltd. Manipulator. 4,842,476, 6-27-89, Cl. 414-751.000.
Shioura, Takashi: *See—*
  Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.

Shioya, Hirohito: *See—*

- Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
- Imai, Masahito; Yamada, Toshitaka; Mizuno, Tiaki; and Shioya, Hirohito, 4,829,822, Cl. 73-516.00R.

Shioya, Jun: *See—*

- Mizoguchi, Akira; Shioya, Jun; Yamaguchi, Yoichi; Ueba, Yoshinobu; and Matsubara, Hironaga, 4,795,656, Cl. 427-38.000.

Shioya, Katsuhiko; Ifuku, Tetsuhiko; and Inamasu, Seiichi, to Fujitsu Limited. Diagnostic system. 4,876,645, 10-24-89, Cl. 364-200.000.

Shioya, Makoto: *See—*

- Eida, Tsuyoshi; Shioya, Makoto; and Kobayashi, Masatsune, 4,867,789, Cl. 106-22.000.
- Ohnari, Mikihiko; Sekozawa, Teruji; Funabashi, Motohisa; Atago, Takeshi; and Shioya, Makoto, 4,887,216, Cl. 364-431.060.

Shioya, Toshiaki; and Shiinoki, Yasuhiko, to Snow Brand Milk Products Co., Ltd. Production process of encapsulated bodies. 4,814,274, 3-21-89, Cl. 435-174.000.

Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, to Fujitsu Limited. Method of selectively depositing tungsten upon a semiconductor substrate. 4,804,560, 2-14-89, Cl. 427-125.000.

Shiozaki, Atsushi; Komuro, Hirokazu; Sato, Koichi; and Masuda, Kazuaki, to Canon Kabushiki Kaisha. Base plate having an oxidation film and an insulating film for ink jet recording head and ink jet recording head using said base plate. 4,860,033, 8-22-89, Cl. 346-140.00R.

Shiozaki, Atsushi, to Canon Kabushiki Kaisha. Ink jet recording head and base plate therefor. 4,866,460, 9-12-89, Cl. 346-140.00R.

Shiozaki, Masahiro: *See—*

- Kitamura, Satoshi; Tobita, Takashi; Kanazawa, Motoki; and Shiozaki, Masahiro, 4,803,288, Cl. 549-267.000.

Shiozaki, Mitsuharu: *See—*

- Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.

Shiozaki, Ryozi; Kaji, Atsuhiko; Saijo, Hiroyuki; and Deguchi, Katsuhiko, to Kao Corporation. Liquid cleanser composition containing an abrasive crystalline aluminosilicate zeolite aggregate. 4,840,746, 6-20-89, Cl. 252-174.250.

Shiozaki, Shizuo; Shuto, Katsuichi; and Oiji, Yoshimasa, to Kyowa Hakko Kogyo Co., Ltd. Anti-dementia agent. 4,851,414, 7-25-89, Cl. 514-277.000.

Shiozawa, Akira; Ichikawa, Yuh-Ichiro; and Takahira, Takashi, to Nippon Kayaku Kabushiki Kaisha. Phenylpiperazine derivatives. 4,841,051, 6-20-89, Cl. 544-287.000.

Shiozawa, Etsuo; Kato, Keishi; and Yoshimi, Yoshiki, to Fuji Photo Film Co., Ltd. Adhesive transfer method. 4,863,543, 9-5-89, Cl. 156-235.000.

Shiozawa, Hiroaki: *See—*

- Kawasaki, Mikio; Shiozawa, Hiroaki; Fukuouji, Kakujulo; and Ono, Kouji, 4,840,888, Cl. 430-567.000.

Shiozawa, Junichi: *See—*

- Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao; and Shiozawa, Junichi, 4,887,345, Cl. 29-568.000.

Shiozawa, Kouji; Okumura, Yoshiharu; Imai, Chihiro; and Okamoto, Nobukazu, to Toa Nenryo Kogyo Kabushiki Kaisha. Process for preparing a hydrosilylation catalyst. 4,820,674, 4-11-89, Cl. 502-169.000.

Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, to Toa Nenryo Kogyo Kabushiki Kaisha. Process for preparing aminopropyl alkoxy silanes. 4,888,436, 12-19-89, Cl. 556-413.000.

Shiozawa, Takao: *See—*

- Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
- Ura, Hiroaki; and Shiozawa, Takao, 4,878,657, Cl. 271-9.000.

Shiozawa, Takekimi: *See—*

- Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, 4,853,322, Cl. 430-567.000.

Shipe, Joanne E.: *See—*

- Brown, Christopher K.; Moyer, Carl L.; Shipe, Joanne E.; and Walter, Herman D., 4,870,752, Cl. 29-866.000.

Shipley Company Inc.: *See—*

- Ausschnitt, Christopher P.; McFadden, Edward A.; and Tan, Raul V., 4,890,239, Cl. 364-491.000.
- Fisher, Thomas A., 4,873,176, Cl. 430-313.000.
- Gulla, Michael; Foust, Donald F.; and Philipose, George K., 4,810,333, Cl. 204-15.000.
- Gulla, Michael; Benjamin, Terrell A.; and Farsi, Mark, 4,869,970, Cl. 428-621.000.
- Martin, Robert L.; Rajaratnam, M. Martha; and Turci, Pamela, 4,818,658, Cl. 430-156.000.
- Parks, Gary D., 4,860,062, Cl. 355-53.000.
- Vidusek, David A.; Legenza, Michael; and Vincent, Jeffery L., 4,806,453, Cl. 430-312.000.

Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., to Tolerant Systems, Inc. Distributed multiprocess transaction processing system and method. 4,819,159, 4-4-89, Cl. 364-200.000.

Shipley, John F.: *See—*

- Rudik, William J.; Schmitt, George P.; and Shipley, John F., 4,855,333, Cl. 522-71.000.

Shipley, Larry W.: *See—*

- Jankower, Laura J.; and Shipley, Larry W., 4,873,091, Cl. 424-489.000.

Shipman, David O. Hydro centrifugal paint roller cleaning aid. 4,832,066, 5-23-89, Cl. 134-137.000.

Shipman, Ernest E. Disc brake caliper tool. 4,845,823, 7-11-89, Cl. 29-239.000.

Shipp, Peter W., Jr., to Kimberly-Clark Corporation. Agricultural protective fabric. 4,818,585, 4-4-89, Cl. 428-198.000.

Shipp, Peter W., Jr.: *See—*

- Vogt, Clifford M.; and Shipp, Peter W., Jr., 4,824,451, Cl. 55-528.000.

Shippers Paper Products Company: *See—*

- Liebel, Henry L., 4,801,124, Cl. 251-149.400.
- Liebel, Henry L., 4,865,201, Cl. 206-586.000.
- Linnemann, Kent A., 4,881,683, Cl. 229-117.010.

Shirae, Hideyuki: *See—*

- Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.

Shirafuji, Hideo; Yamaguchi, Takamasa; and Nogami, Ikuo, to Takeda Chemical Industries, Ltd. Process for producing 2-keto-D-glucaric acid. 4,876,195, 10-24-89, Cl. 435-137.000.

Shirafuji, Hideo: *See—*

- Nogami, Ikuo; Yamaguchi, Takamasa; Oka, Masahide; and Shirafuji, Hideo, 4,877,735, Cl. 435-138.000.

Shirafuji, Tamio; and Kawata, Itaru, to Sumitomo Chemical Company Limited. Method for producing cycloalkanols. 4,849,550, 7-18-89, Cl. 568-899.000.

Shirafuji, Tamio; and Kawata, Itaru, to Sumitomo Chemical Company Limited. Method for separating cyclohexanol. 4,849,551, 7-18-89, Cl. 568-913.000.

Shirafuji, Tamio; and Sakai, Kiyomi, to Sumitomo Chemical Company Limited. Method for producing cycloalkanol. 4,879,422, 11-7-89, Cl. 568-835.000.

Shiraga, Mitsuaki: *See—*

- Itagaki, Takaharu; Shiraga, Mitsuaki, Sawayama, Shigeru; and Satoh, Kohichi, 4,808,683, Cl. 526-307.200.

Shiraga, Tokio: *See—*

- Kodaira, Mitsuhiko; and Shiraga, Tokio, 4,835,734, Cl. 364-900.000.

Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, to Green Cross Corporation. Therapeutic and prophylactic agents for peptic ulcer. 4,888,417, 12-19-89, Cl. 536-4.100.

Shiragai, Yasuo: *See—*

- Tutamune, Hirotaka; Shiragai, Yasuo; Karino, Yoshiaki; and Wakasa, Yasuyuki, 4,884,698, Cl. 209-534.000.

Shiragami, Hiroshi: *See—*

- Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.

Shiragami, Kazuharu; Moriya, Mirsuro; and Yamaguchi, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Servo system for scanning the same track circumference of a spiral track on a disc shaped recording medium. 4,833,664, 5-23-89, Cl. 369-44.000.

Shiragami, Kazuharu: *See—*

- Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazuharu; Yamaguchi, Hiroyuki; and Watanabe, Katsuya, 4,807,206, Cl. 369-32.000.

Shiraha, Takeshi: *See—*

- Mori, Kinji; Miyamoto, Shoji; and Shiraha, Takeshi, 4,872,165, Cl. 371-11.200.

Shirahama, Ichiro: *See—*

- Mochida, Yoshihiro; Sugimoto, Takeyuki; Shirahama, Ichiro; and Kiyomoto, Naoshi, 4,850,710, Cl. 356-367.000.

Shirahama, Kouichi: *See—*

- Sano, Yasuo; Shirahama, Kouichi; and Hirono, Takahi 4,843,142, Cl. 528-211.000.

Shirahama, Toshio: *See—*

- Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuh Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Ei 4,798,992, Cl. 313-406.000.

Shirahase, Ichiro: *See—*

- Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazu Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Ja 4,843,070, Cl. 514-210.000.

Shirahase, Tsutomu: *See—*

- Oomura, Masatoshi; Miyata, Takahiko; Fujisaki, Kunio; and Shirahase, Tsutomu, 4,868,372, Cl. 235-380.000.

Shirahata, Akihiko, to Toray Silicone Co., Ltd. Method for the production of tertiary-alkyldimethylhalosilane. 4,814,474, 3-21-89, Cl. 556-477.000.

Shirahata, Akihiko, to Toray Silicone Co., Ltd. Epoxy group containing disilazane and method for its production. 4,845,238, 7-4-89, Cl. 549-215.000.

Shirahata, Kunikatsu: *See—*

- Saito, Yutaka; Kasai, Masaji; Shirahata, Kunikatsu; Kono, Moto chi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,853,385, Cl. 514-250.000.

Shirahata, Ryuji: *See—*

- Arai, Yoshihiro; Yasunaga, Tadashi; and Shirahata, Ryuji, 4,835,068, Cl. 428-694.000.
- Yasunaga, Tadashi; and Shirahata, Ryuji, 4,885,189, Cl. 427-129.000.

Shirai, Akira: *See—*

- Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, 4,840,544, Cl. 417-254.000.

Shirai, Eiji; Okabe, Yoshio; and Kobayashi, Yukimori, to Aisin Seiki Kabushiki Kaisha. Device for adjusting an angular phase difference between two elements. 4,858,572, 8-22-89, Cl. 123-90.120.

Shirai, Etsuo: *See—*

- Kuwahara, Wataru; Shirai, Etsuo; Nagamatsu, Hiroaki; and Moriyama, Kazuhiko, 4,862,760, Cl. 74-473.00R.

Shirai, Fumio: *See—*

- Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.

Shirai, Hideaki. Method of and apparatus for manufacturing and vertically stacking panels for two-by-four wood construction residence. 4,829,651, 5-16-89, Cl. 29-430.000.

Shirai, Hidenobu: *See—*

- Suzuki, Masafumi; and Shirai, Hidenobu, 4,872,964, Cl. 204-298.000.

Shirai, Hikaru, to Daisyo Seiki Kabushiki Kaisha. Workpiece carrier means for surface grinding machine. 4,856,232, 8-15-89, Cl. 51-215.0AR.

Shirai, Hironobu, to Omron Tateisi Electronics Co. Input circuit having a photo-coupler with bi-directional indicator. 4,873,448, 10-10-89, Cl. 250-551.000.

Shirai, Isamu; Ujiie, Susumu; and Koitabashi, Takeshi, to Sanden Corporation. Engagement device for an electromagnetic spring-wound clutch. 4,819,778, 4-11-89, Cl. 192-84.00T.

Shirai, Isao: *See—*

- Matsuo, Yukito; Ishida, Tsuyoshi; Nakamura, Kunihiko; Masuko, Mitsuaki; Shin, Kouitirou; and Shirai, Isao, 4,817,694, Cl. 198-346.200.

Shirai, Kenji, to Toyota Jidosha Kabushiki Kaisha. Manually/electrically operated brake system. 4,812,777, 3-14-89, Cl. 303-14.000.

Shirai, Kenji; and Nomura, Yoshihisa, to Toyota Jidosha Kabushiki Kaisha. Tandem master cylinder with booster piston at pedal-remote end of master cylinder and with booster-pressure responsive reservoir valve for forward brake circuit. 4,876,853, 10-31-89, Cl. 60-547.100.

Shirai, Kenji: *See—*

- Asahara, Makoto; and Shirai, Kenji, 4,800,724, Cl. 60-560.000.
- Mizuno, Genji; Nishii, Michiharu, Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.
- Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.

Shirai, Koji; and Kawamura, Ken, to Kabushiki Kaisha Toshiba. Semiconductor device IC with DMOS using self-aligned back gate region. 4,878,096, 10-31-89, Cl. 357-42.000.

Shirai, Koji, to Kabushiki Kaisha Toshiba. Double diffused mosfet with potential biases. 4,884,116, 11-28-89, Cl. 357-41.000.

Shirai, Masahiro; and Takahashi, Tomonori, to NGK Insulators, Ltd. Silicon nitride sintered bodies and a method of producing the same. 4,818,733, 4-4-89, Cl. 501-97.000.

Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, to Nippon Paint Co., Ltd. Positive type photosensitive resinous composition. 4,869,995, 9-26-89, Cl. 430-270.000.

Shirai, Miyuki; and Nogami, Akira, to Konishiroku Photo Industry Co., Ltd. Liquid developer for electrophotography. 4,874,683, 10-17-89, Cl. 430-114.000.

Shirai, Noboru; and Isogai, Toshiyuki, to Kabushiki Kaisha Tokai Rika. Wheel cover. 4,826,253, 5-2-89, Cl. 301-37.0PB.

Shirai, Ryoichi: *See—*

- Yamada, Yoshihiro; Shirai, Ryoichi; and Hayakawa, Youichi, 4,889,621, Cl. 210-168.000.

Shirai, Seiichiro: *See—*

- Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, to Canon Kabushiki Kaisha. Light receiving member for use in electrophotography. 4,804,604, 2-14-89, Cl. 430-57.000.

Shirai, Shigeru; and Ohno, Shigeru, to Canon Kabushiki Kaisha. Light receiving member with first layer of A-SiGe(O,N)(H,X) and second layer of A-SiC wherein the first layer has unevenly distributed germanium atoms and both layers contain a conductivity controller. 4,818,651, 4-4-89, Cl. 430-57.000.

Shirai, Shigeru; and Ohno, Shigeru, to Canon Kabushiki Kaisha. Light receiving member with first layer of A-Si(H,X) and second layer of A-SiC(HX) wherein first and second layers respectively have unevenly and evenly distributed conductivity controller. 4,818,652, 4-4-89, Cl. 430-57.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, to Canon Kabushiki Kaisha. Electrophotographic light receiving member with surface layer of $a\text{-}(Si_xC_{1-x})_y{:}H_{1-y}$ wherein x is 0.1–0.99999 and y is 0.3–0.59. 4,818,655, 4-4-89, Cl. 430-60.000.

Shirai, Shigeru; Saito, Keishi; Arai, Takayoshi; Kato, Minoru; and Fujioka, Yasushi, to Canon Kabushiki Kaisha. Light receiving member for use in electrophotography and process for the production thereof. 4,824,749, 4-25-89, Cl. 430-66.000.

Shirai, Shigeru: *See—*

- Misumi, Teruo; Ogawa, Kyosuke; Kanbe, Junichiro; Saitoh, Keishi; Osato, Yoichi; and Shirai, Shigeru, 4,795,688, Cl. 430-65.000.

Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Electron gun structure for converging electron beams. 4,833,365, 5-23-89, Cl. 313-414.000.

Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Electron gun for color picture tube. 4,851,741, 7-25-89, Cl. 315-382.000.

Shirai, Shoji: *See—*

- Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, 4,833,364, Cl. 313-414.000.

Shirai, Susumu: *See—*

- Takamizawa, Nobuyuki; Yoshizawa, Tetsuo; and Shirai, Susumu, 4,864,959, Cl. 114-315.000.

Shirai, Takao: *See—*

- Sugiyama, Masanori; Masutani, Takayoshi; and Shirai, Takao, 4,887,024, Cl. 324-61.00R.

Shirai, Tamotsu: *See—*

- Suzuyama, Tomio; Kosaka, Takayuki; Hayama, Masaki; and Shirai, Tamotsu, 4,886,316, Cl. 297-284.000.

Shirai, Tatsuya: *See—*

- Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji, 4,819,003, Cl. 343-771.000.

Shirai, Tetsuaki: *See—*

- Ono, Hiromi; and Shirai, Tetsuaki, 4,811,705, Cl. 123-195.0AC.

Shirai, Tokuo; and Morita, Kazuhiro, to Nippondenso Co., Ltd. Forging method for producing a pulley. 4,847,968, 7-18-89, Cl. 29-159.00R.

Shirai, Toshio; Ando, Makoto; Unno, Keisuke; and Kobayashi, Toshiharu, to Sony Corporation. Magnetic tape transfer printing apparatus. 4,819,102, 4-4-89, Cl. 360-17.000.

Shirai, Yoji, to Rexnord Inc. Threaded element for use as an insert. 4,818,165, 4-4-89, Cl. 411-178.000.

Shirai, Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, to Nippon Denso Co., Ltd.; and Asmo Co., Ltd. Method and apparatus for finishing grooved articles. 4,862,575, 9-5-89, Cl. 29-424.000.

Shirai, Yuji: *See—*

- Ueno, Fumio; Yamakawa, Takeshi; and Shirai, Yuji, 4,860,243, Cl. 364-807.000.

Shiraishi, Akihiko, to Canon Kabushiki Kaisha. Wide angle zoom lens of long back focal distance. 4,838,666, 6-13-89, Cl. 350-427.000.

Shiraishi, Akihiko; Kato, Masatake; and Kawamoto, Kenichi, to Canon Kabushiki Kaisha. Video camera body and detachable lens each containing a memory for storing signals indicative of spectral characteristics. 4,855,814, 8-8-89, Cl. 358-29.000.

Shiraishi, Akihiko, to Canon Kabushiki Kaisha. Photographic lens of long back focal length. 4,856,881, 8-15-89, Cl. 350-463.000.

Shiraishi, Akihiko: *See—*

- Kato, Masatake; Shiraishi, Akihiko; and Kawamoto, Kenichi, 4,833,498, Cl. 354-410.000.

Shiraishi, Akira: *See—*

- Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.

Shiraishi, Daiichi: *See—*

- Fukumoto, Ryoichi; Shiraishi, Daiichi; and Iwasaki, Eiji, 4,821,589, Cl. 74-89.220.
- Hayakawa, Shigeru; Shiraishi, Daiichi; and Murakami, Hisakazu, 4,854,617, Cl. 292-216.000.

Shiraishi Electric Corporation: *See—*

- Niikura, Isamu, 4,820,176, Cl. 439-152.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, to Mitsubishi Denki Kabushiki Kaisha. Fuel control apparatus. 4,846,133, 7-11-89, Cl. 123-494.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, to Mitsubishi Denki Kabushiki Kaisha; and Mazda Motor Corporation. Hot wire type flow sensor. 4,864,855, 9-12-89, Cl. 73-204.210.

Shiraishi, Hiroshi: *See—*

- Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,837,733, 6-6-89, Cl. 364-413.130.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,852,050, 7-25-89, Cl. 364-414.000.

Shiraishi, Hisashi; Miyahara, Junji; and Kato, Hisatoyo, to Fuji Photo Film Co., Ltd. Autoradiographic gene-screening method. 4,865,967, 9-12-89, Cl. 435-6.000.

Shiraishi, Hisashi, to Fuji Photo Film Co., Ltd. Sheet-form radiation-measuring instrument. 4,880,984, 11-14-89, Cl. 250-484.100.

Shiraishi, Hisashi; Kimura, Tsutomu; and Hishinuma, Kazuhiro, to Fuji Photo Film Co., Ltd. Signal processing method in autoradiography. 4,888,695, 12-19-89, Cl. 364-413.130.

Shiraishi, Hisashi: *See—*

- Shiba, Keisuke; and Shiraishi, Hisashi, 4,866,469, Cl. 354-202.000.

- Shiraishi, Hisayoshi: *See—*
  - Azusawa, Noboru; Hashimoto, Tadahiko; Shiraishi, Hisayoshi; and Nagae, Yoshiharu, 4,810,064, Cl. 350-351.000.
- Shiraishi, Hitoshi: *See—*
  - Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.
- Shiraishi, Kazuhisa; Nakagoshi, Kazuo; and Ogawa, Takuji, to Hitachi, Ltd. Method and apparatus for detecting minute defects on magnetic disk by monitoring both amplitude decrease and phase shift of a reproduced signal. 4,881,136, 11-14-89, Cl. 360-25.000.
- Shiraishi, Kenichi: *See—*
  - Kotani, Matahira; Morimoto, Hiroshi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,809,080, Cl. 358-256.000.
  - Kotani, Matahira; Matsumoto, Masafumi; Kawai, Ryoichi; and Shiraishi, Kenichi, 4,827,355, Cl. 358-296.000.
- Shiraishi, Masaaki; Ichiki, Masaaki; and Shibata, Kazuhiko, to Matsushita Electric Industrial Co., Ltd. Speed control circuit for mechanical scan ultrasonic imaging apparatus. 4,805,155, 2-14-89, Cl. 367-7.000.
- Shiraishi, Masaru: *See—*
  - Takahashi, Fumitaka; Okazaki, Kunio; Shiraishi, Masaru; and Takahashi, Masayuki, 4,823,461, Cl. 29-612.000.
- Shiraishi, Mikio; Gotoh, Toshihiko; Hamma, Kentaro; Kimura, Hiroyuki; Kobori, Yasunori; and Tomatsuri, Koichi, to Hitachi, Ltd. Thermal-transfer recording apparatus. 4,844,770, 7-4-89, Cl. 156-387.000.
- Shiraishi, Mikio, to Kabushiki Kaisha Toshiba. Parallel adder circuit with sign bit decoder for multiplier. 4,879,677, 11-7-89, Cl. 364-760.000.
- Shiraishi, Mikio: *See—*
  - Shigehara, Hiroshi; Shiraishi, Mikio; Watanabe, Yasuhiro; and Sugi, Nobuo, 4,813,008, Cl. 364-760.000.
- Shiraishi, Misashi: *See—*
  - Kimura, Tsutomu; Hishinuma, Kazuhiro; and Shiraishi, Misashi, 4,871,913, Cl. 250-327.500.
- Shiraishi, Mitsuru: *See—*
  - Imada, Isuke; Terao, Shinji; Kawada, Mitsuru; and Shiraishi, Mitsuru, 4,818,441, Cl. 260-396.00R.
- Shiraishi, Motoatsu; Nakamura, Mitsuki; and Kageyama, Ryoichi, to Honda Giken Kogyo Kabushiki Kaisha. Workpiece transfer device for press machine. 4,807,456, 2-28-89, Cl. 72-405.000.
- Shiraishi, Motoatsu; Tazou, Ken; Sasagawa, Masaru; Nakamura, Mitsuki; and Kageyama, Ryoichi, to Honda Giken Kogyo Kabushiki Kaisha. Method of changing die assemblies for press machine. 4,866,974. 9-19-89, Cl. 72-405.000.
- Shiraishi, Noriaki; Kamiyama, Sigeru; Amioka, Shigenori; and Okada, Akiyoshi, to Mazda Motor Corporation. Upper body structure for a convertible vehicle. 4,854,634, 8-8-89, Cl. 296-108.000.
- Shiraishi, Norihisa: *See—*
  - Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime. Toshiyuki, 4,813,867, Cl. 431-353.000.
- Shiraishi, Ryoichi: *See—*
  - Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.
- Shiraishi, Shiro: *See—*
  - Kamada, Keiichi; Kawamoto, Seiji; Yaegashi, Makoto; and Shiraishi, Shiro, 4,818,525, Cl. 424-81.000.
  - Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, 4,814,340, Cl. 514-345.000.
- Shiraishi, Shuhei; and Hakiri, Minoru, to Ricoh Company, Ltd. Thermal image transfer recording medium. 4,828,904, 5-9-89, Cl. 428-212.000.
- Shiraishi, Shuji; Sakaguchi, Masakazu; and Nishihara, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle traction control device. 4,860,847, 8-29-89, Cl. 180-197.000.
- Shiraishi, Shuji; and Nishihara, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Traction control system for controlling slip of a driving wheel of a vehicle. 4,873,638, 10-10-89, Cl. 364-426.010.
- Shiraishi, Shuji: *See—*
  - Sato, Makoto; Shiraishi, Shuji; and Muto, Tetsuji, 4,873,639, Cl. 364-426.020.
- Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. 3-phenylthiomethylstyrene derivative, process for preparing the same, and antiallergic agent and tyrosinekinase inhibiting agent containing the same. 4,853,403, 8-1-89, Cl. 514-404.000.
- Shiraishi, Takashi, to Kabushiki Kaisha Toshiba. Automatic biochemical analysis method and system for measuring absorbancy. 4,848,914, 7-18-89, Cl. 356-440.000.
- Shiraishi, Takashi; and Hasegawa, Taiji, to Hitachi, Ltd. Method and apparatus for controlling air-fuel ratio in an internal combustion engine by corrective feedback control. 4,853,862, 8-1-89, Cl. 364-431.050.
- Shiraishi, Takashi, to Kabushiki Kaisha Toshiba. Beam scanner with distortion correction. 4,878,066, 10-31-89, Cl. 346-108.000.
- Shiraishi, Takashi: *See—*
  - Akutsu, Kenzo; and Shiraishi, Takashi, 4,865,448, Cl. 356-241.000.
  - Oda, Goro; and Shiraishi, Takashi, 4,847,644, Cl. 346-160.000.
- Shiraishi, Takayoshi, to Hitachi, Ltd. System for enciphering or deciphering data. 4,797,921, 1-10-89, Cl. 380-28.000.
- Shiraishi, Takayoshi: *See—*
  - Miyaoka, Shinichiro; Sasaki, Ryoichi; and Shiraishi, Takayoshi, 4,831,659, Cl. 382-56.000.
  - Takaragi, Kazuo; Sasaki, Ryoichi; Shiraishi, Takayoshi; and Kurashiki, Nobuhiro, 4,885,777, Cl. 380-30.000.
  - Takaragi, Kazuo; Shiraishi, Takayoshi; and Sasaki, Ryoichi, 4,885,788, Cl. 380-23.000.
- Shiraishi, Tomikatsu; and Fujiwara, Mitsuru, to Sharp Kabushiki Kaisha. LC display device with both positive and negative image display modes. 4,812,837, 3-14-89, Cl. 340-784.000.
- Shiraishi, Toshiyuki, to Nifco Inc. Breaking type expansion fastener. 4,832,547, 5-23-89, Cl. 411-42.000.
- Shiraishi, Yasuhiro; and Nagamine, Yoshinori, to Nissan Motor Co., Ltd. Wiper control system for automotive vehicle facilitated front and rear wipers. 4,881,019, 11-14-89, Cl. 318-68.000.
- Shiraishi, Yasuhiro: *See—*
  - Konishi, Junkichi; and Shiraishi, Yasuhiro, 4,877,263, Cl. 280-707.000.
  - Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000.
- Shiraishi, Yasumi: *See—*
  - Iijima, Katsuhiko; Shiraishi, Yasumi; Mizoe, Shoji; and Ogata, Youichi, 4,844,483, Cl. 277-83.000.
- Shiraishi, Yoichi; Sakemi, Junya; Ono, Kunio; and Naka, Ichiro, to Hitachi, Ltd.; and Hitachi VLSI Engineering Corporation. Routing among field effect transistors. 4,888,299, 12-19-89, Cl. 437-51.000.
- Shiraishi, Yoshiaki; and Aoki, Kenji, to Seiko Epson Corporation. Liquid crystal optical printing apparatus. 4,859,034, 8-22-89, Cl. 350-331.00R.
- Shiraishi, Yoshinobu: *See—*
  - Sugimori, Teruhiko; Furutani, Yoshifumi; Shiraishi, Yoshinobu; and Yasunaga, Toshiyuki, 4,831,069, Cl. 524-232.000.
- Shiraishi, Yukiya, to Alps Electric Co., Ltd. Eject mechanism of disk recording/reproducing apparatus having mechanism for preventing accidental head lowering. 4,807,068, 2-21-89, Cl. 360-99.060.
- Shiraiwa, Yutaka: *See—*
  - Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.
- Shirakami, Toshiharu; and Sogawa, Akira, to Kureha Kagaku Kogyo Kabushiki Kaisha. Medical electrode device. 4,887,614, 12-19-89, Cl. 128-798.000.
- Shirakami, Yoshifumi: *See—*
  - Kurami, Miki; Shirakami, Yoshifumi; Takahashi, Keietsu; and Ueda, Nobuo, 4,855,353, Cl. 525-54.100.
- Shirakata, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Coordinate interpolation in numerical control apparatus. 4,811,235, 3-7-89, Cl. 364-474.300.
- Shirakawa, Hiromu: *See—*
  - Miyata, Katsuaki; Sakuma, Yutaka; Motoyama, Shimesu; Gotou, Masakazu; Shirakawa, Hiromu; and Makino, Takamoto, 4,799,449, Cl. 118-19.000.
- Shirakawa, Hiroyuki, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling throttle valve. 4,856,476, 8-15-89, Cl. 123-342.000.
- Shirakawa, Kinichi: *See—*
  - Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, 4,824,696, Cl. 427-208.600.
- Shirakawa, Masakazu, to Kabushiki Kaisha Toshiba. Telephone system with stimulus operation or default operation. 4,885,765, 12-5-89, Cl. 379-93.000.
- Shirakawa, Masakazu; Yamashita, Hiroaki; and Nishida, Toshio, to Kabushiki Kaisha Toshiba. Multipoint link data-transmission control system. 4,888,728, 12-19-89, Cl. 364-900.000.
- Shirakawa, Shinsuke: *See—*
  - Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, 4,829,105, Cl. 523-415.000.
- Shirakawa, Shiroh: *See—*
  - Nozawa, Hideaki, 4,832,203, Cl. 209-3.300.
- Shirakawa, Tsutomu, to Kabushiki Kaisha Kosmek. Hydraulic clamp. 4,826,146, 5-2-89, Cl. 269-32.000.
- Shirakawa, Yoichi: *See—*
  - Uchida, Yasuzo; and Shirakawa, Yoichi, 4,861,602, Cl. 426-56.000.
  - Uchida, Yasuzo; and Shirakawa, Yoichi, 4,863,746, Cl. 426-56.000.
- Shirakawa, Yoshikazu: *See—*
  - Homan, Morio; Sugie, Nizo; Yoshimura, Masakiyo; and Shirakawa, Yoshikazu, 4,880,702, Cl. 428-354.000.
- Shiraki, Hisashi; Nagahisa, Toshio; Takeda, Kiyonori; and Harada, Takeshi, to Kitagawa Iron Works Co., Ltd. Apparatus for improving characteristics of sand. 4,832,853, 5-23-89, Cl. 210-781.000.
- Shiraki, Kenhachi: *See—*
  - Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.
- Shiraki, Kouji; Niwa, Minoru; Itou, Kuniyasu; Yamamoto, Tadashi; and Harata, Mitsuru, to Toyoda Gosei Co., Ltd. Pad for air bag device. 4,852,907, 8-1-89, Cl. 280-731.000.
- Shiraki, Manabu; and Miyao, Osami, to Shicoh Engineering Co., Ltd. Unidirectional brushless motor. 4,804,873, 2-14-89, Cl. 310-67.00R.
- Shiraki, Manabu; and Egami, Kazuhito, to Shicoh Engineering Co., Ltd. Axial-flow fan apparatus. 4,861,237, 8-29-89, Cl. 417-353.000.
- Shiraki, Manabu; and Hirano, Norimitsu, to Shicoh Engineering Co., Ltd.; and M. Gottlieb Assoc. Five-phase dc motor with non-overlapping armature windings. 4,876,472, 10-24-89, Cl. 310-198.000.
- Shiraki, Manabu: *See—*
  - Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, 4,836,631, Cl. 350-6.800.
- Shiraki, Mikio: *See—*
  - Nishibe, Shinji; and Shiraki, Mikio, 4,845,656, Cl. 364-900.000.
- Shiraki, Shigemi; and Mizuno, Kenichi, to Mitsui Petrochemical Industries, Ltd. Process for the production of aromatic carboxylic acids. 4,827,025, 5-2-89, Cl. 562-414.000.
- Shiraki, Toshihiko: *See—*
  - Kohigashi, Minoru; Shiraki, Toshihiko; and Tsujimoto, Akito, 4,854,749, Cl. 384-482.000.
- Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, to Asahi Kasei Kogyo Kabushiki Kaisha. Modified block copolymer composition. 4,820,768, 4-11-89, Cl. 525-92.000.
- Shiraki, Yasuhiro: *See—*
  - Katayama, Yoshifumi; Shiraki, Yasuhiro; and Murayama, Yoshimasa, 4,796,068, Cl. 357-4.000.
  - Morioka, Makoto; Mishima, Tomoyoshi; Hiruma, Kenji; Katayama, Yoshifumi; and Shiraki, Yasuhiro. 4,835,583, Cl. 357-4.000.
  - Usagawa, Toshiyuki; Shiraki, Yasuhiro; Ono, Yuichi; Takahashi, Susumu; and Hashimoto, Norikazu, 4,805,005, Cl. 357-22.000.
- Shiraki, Yasushi; and Tamura, Takao, to Idemitsu Petrochemical Co., Ltd. Production of linear alpha-olefins. 4,886,933, 12-12-89, Cl. 585-522.000.
- Shiraki, Yoshinao; and Honda, Masaaki, to Nippon Telegraph and Telephone Corporation. Reference speech pattern generating method. 4,802,224, 1-31-89, Cl. 381-41.000.
- Shirakoshi, Hiroshi; Kotani, Matahira; Matsumoto, Masafumi; and Morimoto, Hiroshi, to Sharp Kabushiki Kaisha. Image reading apparatus. 4,839,730, 6-13-89, Cl. 358-294.000.
- Shirakoshi, Hiroshi: *See—*
  - Tanaka, Hironori; and Shirakoshi, Hiroshi, 4,887,806, Cl. 271-121.000.
- Shirakura, Kaoru: *See—*
  - Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
- Shirakura, Osamu; Kojima, Hideo; Ouchi, Kiyohisa; and Ishimaru, Sueaki, to Banyu Pharmaceutical Co., Ltd. Composition for administration through a body cavity. 4,812,480, 3-14-89, Cl. 514-557.000.
- Shirakura, Takaaki: *See—*
  - Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.
- Shirakura, Yasuhiko: *See—*
  - Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.
- Shiramasa, Miyoshi; and Okano, Katsuhiko, to Ryobi Ltd. Braking apparatus for door closer. 4,825,503, 5-2-89, Cl. 16-52.000.
- Shiramasa, Miyoshi: *See—*
  - Ogawa, Kazuaki; and Shiramasa, Miyoshi, 4,858,272, Cl. 16-80.000.
- Shiramatsu, Kuniaki: *See—*
  - Haruyama, Tetsuo; Shiramatsu, Kuniaki; Udagawa, Shigeo; and Yoshikawa, Yukihiro, 4,835,540, Cl. 343-700.0MS.
- Shirane, Takashi, to Nippon Thompson Co., Ltd. Bearing for steering wheel shaft of vehicles. 4,820,062, 4-11-89, Cl. 384-486.000.
- Shirano, Kenji: *See—*
  - Kawai, Syuji; Anzai, Seio; Ishii, Toshinori; Shirano, Kenji; Shimamura, Kunihiko; Kanemitsu, Toshimasa; and Matsumura, Keiji, 4,810,542, Cl. 428-36.700.
- Shirasaka, Akifumi; Tanaka, Kensaku; and Hamada, Masaki, to Canon Kabushiki Kaisha. Image processing apparatus. 4,837,847, 6-6-89, Cl. 382-55.000.
- Shirasaka, Akitoshi: *See—*
  - Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.
- Shirasaka, Toshio, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,815,279, 3-21-89, Cl. 73-626.000.
- Shirasaka, Toshio, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,815,043, 3-21-89, Cl. 367-7.000.
- Shirasaki, Masataka; and Nakajima, Hirochika, to Fujitsu Limited. Spatial phase modulating masks and production processes thereof, and processes for the formation of phase-shifted diffraction gratings. 4,806,442, 2-21-89, Cl. 430-4.000.
- Shirasaki, Osamu; Ogawa, Hiroshi; Miyawaki, Yoshinori; and Matumoto, Kazuhiro, to Omron Tateisi Electronics Co. Electronic blood pressure meter. 4,830,019, 5-16-89, Cl. 128-681.000.
- Shirasaki, Osamu: *See—*
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  - Hisanaga, Michio; Suzuki, Kazunori; Naito, Masataka; and Shirasaki, Shinichi, 4,832,893, Cl. 264-125.000.
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  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
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  - Takayama, Kenichiro; Arai, Yukoh; Tomohiro, Susumu; and Shirasuna, Shizuko, 4,849,354, Cl. 435-133.000.
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  - Yoshimura, Hiroshi; Shirata, Akihiro; and Kuroyanagi, Junzo, 4,856,360, Cl. 74-335.000.
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- Shirato, Masayoshi, to Mitsuba Electric Mfg. Co., Ltd. Windshield wiper device for use in vehicles. 4,858,268, 8-22-89, Cl. 15-250.210.
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- Shiratori, Tatsuya: *See—*
  - Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.
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- Shiratsuchi, Shinichi, to RCA Licensing Corporation. Television picture zoom system having chroma phase restoration circuit. 4,814,860, 3-21-89, Cl. 358-22.000.
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  - Barrus, Donald M.; Shires, Charles D.; and Brummond, William A., 4,880,596, Cl. 376-336.000.
- Shirey, Benjamin G.: *See—*
  - Sapienza, Samuel J., IV; van Vuuren, Willem N. J.; Shirey, Benjamin G.; and Wakeman, Russell J., 4,878,461, Cl. 123-90.150.
- Shirey, Phillip G.: *See—*
  - Mueller, Paul; Waynick, William R.; and Shirey, Phillip G., 4,829,782, Cl. 62-347.000.
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  - Cullo, Leonard A.; and Shiring, Francis J., III, 4,814,531, Cl. 585-467.000.
- Shirinian, John J. Garment pocket. 4,845,784, 7-11-89, Cl. 2-253.000.
- Shirk, Albert: *See—*
  - Redmond, John P.; Sheak, Ray N.; Shirk, Albert; and Cracraft, Larry A., 4,820,170, Cl. 439-66.000.
- Shirk, Lynn V. Holder apparatus attachable on a wheelchair for holding a catheter bag and the like. 4,861,059, 8-29-89, Cl. 280-304.100.
- Shirkhan, Hamid, to Fluid Management Systems. Flow compensated pump. 4,830,218, 5-16-89, Cl. 222-52.000.

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  - Kaplan, Robert H.; LaCava, Alberto; Shirley, Arthur I.; and Ringo, Steven M., 4,853,004, Cl. 55-25.000.
- Shirley, Arthur R., Jr., to Pursell Industries. Sulfur-coated fertilizer granules and process of making same. 4,857,098, 8-15-89, Cl. 71-28.000.
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  - Ballard, Denis G. H.; Holmes, Paul A.; Nevin, Alan; Shirley, Ian M.; and Twose, David L., 4,798,742, Cl. 427-240.000.
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  - Erdmann, Alan J.; and Shirley, Ralph E., 4,860,614, Cl. 74-710.000.
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  - Manz, Kenneth W.; and Shirley, Roger D., 4,809,520, Cl. 62-292.000.
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  - Linville, Andrew F., Jr.; Shirley, Thomas E.; and Griffith, Paul G., 4,853,903, Cl. 367-46.000.
  - Willis, Mark E.; Ranganayaki, Rambabu P.; Shirley, Thomas E.; and Lee, Stan Y. C., 4,887,244, Cl. 367-73.000.
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  - Kawaguchi, Takeyuki; and Shiro, Takashi, 4,820,649, Cl. 436-501.000.
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  - Torii, Sigeru; Tanaka, Hideo; Sasaoka, Michio; and Shiroi, Takashi, 4,798,890, Cl. 540-358.000.
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  - Takeda, Hiromitsu; Nakahashi, Masako; Shirokane, Makoto; and Yamazaki, Tatsuo, 4,876,119, Cl. 427-250.000.
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- Shiroki, Shigetomo. Floor structure for heating. 4,865,120, 9-12-89, Cl. 165-56.000.
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  - Kaneko, Tadashi; Shirose, Meizo; and Yamamoto, Yoko, 4,885,222, Cl. 430-102.000.
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  - Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.
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  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.
  - Mizutani, Masato; Shiroshita, Masao; Sakaki, Masaharu; Okuda, Hiroki; and Mito, Nobuaki, 4,875,924, Cl. 71-92.000.
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  - Ishiguro, Yasuo; Itou, Yoshizumi; and Shiroshita, Osamu, 4,831,547, Cl. 364-513.000.
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  - Harada, Shintaro; and Shiroshita, Yoshihira, 4,815,533, Cl. 165-159.000.
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  - Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.
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  - Shigematsu, Kazuyoshi; and Shirouzu, Shigenori, 4,801,679, Cl. 528-219.000.
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- Shiroyama, Shigeru: *See—*
  - Okamoto, Kyoichi; and Shiroyama, Shigeru, 4,813,121, Cl. 29-509.000.
- Shiroyana, Yoshiro: *See—*
  - Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, 4,870,565, Cl. 364-200.000.
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- Shirtum, Robert P.; and Darby, Elaine B., to Dow Chemical Company, The. Preparation of epoxy resins. 4,877,857, 10-31-89, Cl. 528-95.000.
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  - Akasaka, Hidemichi; Komasaki, Hisayuki; and Arai, Takayuki, 4,801,539, Cl. 435-101.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
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  - Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.
  - Ishiwatari, Masaaki; Tsutsumi, Yuji; Ogusu, Yoshiyuki; and Kimura, Yoshihiro, 4,857,304, Cl. 424-59.000.
  - Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.
  - Odate, Ryoji; and Haga, Tomoyuki, 4,847,323, Cl. 525-71.000.
  - Soyama, Yoshikazu; Yamazaki, Kazunori; and Kitamura, Chigusa, 4,822,423, Cl. 106-5.000.
  - Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, 4,829,187, Cl. 250-474.100.
  - Yamazaki, Kazunori; Soyama, Yoshikazu; Tanaka, Muneo; and Kitamura, Chigusa, 4,820,509, Cl. 424-61.000.
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- Shishido, Kazuhiko: *See—*
  - Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,807,064, Cl. 360-85.000.
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- Shishido, Masaaki: *See—*
  - Sawada, Shigeki; and Shishido, Masaaki, 4,834,881, Cl. 210-321.740.
- Shishido, Tadao: *See—*
  - Inagaki, Yoshio; and Shishido, Tadao, 4,822,891, Cl. 548-365.000.
  - Ishiguro, Shoji; Hirano, Shigeo; Shishido, Tadao; and Miyake, Akio, 4,873,172, Cl. 430-264.000.
  - Mifune, Hiroyuki; Shishido, Tadao; and Suzuki, Yoshiaki, 4,801,524, Cl. 430-569.000.
- Shishido, Yoshio, to Olympus Optical Co., Ltd. Method for marking on an insertable portion of an endoscope. 4,868,015, 9-19-89, Cl. 427-261.000.
- Shishikui, Yoshiaki: *See—*
  - Ninomiya, Yuichi; Ohtsuka, Yoshimichi; Izumi, Yoshinori; Gohshi, Seiichi; and Shishikui, Yoshiaki, 4,884,136, Cl. 358-105.000.
- Shishikura, Hidehito: *See—*
  - Nojiri, Akio; Komatsu, Hirokazu; Shishikura, Hidehito; and Horiguchi, Masao, 4,832,770, Cl. 156-78.000.
- Shishikura, Nobuo: *See—*
  - Okuda, Taizo; Saito, Shinji; and Shishikura, Nobuo, 4,802,137, Cl. 365-201.000.
- Shishikura, Takashi: *See—*
  - Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.
- Shishiuchi, Hiromi: *See—*
  - Kishida, Kozo; Shishiuchi, Hiromi; and Mimura, Takao, 4,867,587, Cl. 400-216.200.
- Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., to Trest "Juzhvodoprovod". Method of removing deposits from the inside walls of a pipeline and applying protective coatings thereto. 4,818,298, 4-4-89, Cl. 134-22.110.
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  - Shivvers, Charles C.; Shivvers, Steven D.; Arnold, Richard A.; and Ryks, Edward A., 4,843,817, Cl. 60-487.000.
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  - Yoshino, Yutaka; Gotoh, Makoto; Fujimoto, Osamu; and Shizawa, Masahiro, 4,837,814, Cl. 379-144.000.
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  - Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.
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  - Nagatomi, Kyosuke; Kajiwara, Teruki; Ookuma, Hisashi; and Tachibana, Ryo, 4,832,983, Cl. 427-81.000.

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Shizume, Takeharu: *See—*
  Yano, Kenichi; Midorikawa, Hiroshi; Kamei, Toshiaki; and Shizume, Takeharu, 4,883,250, Cl. 248-638.000.
Shizuoka Prefectural Government: *See—*
  Kato, Eiji; Kuboshima, Katsumi; and Kaneko, Tomoyuki, 4,883,196, Cl. 220-415.000.
Shizuoka Seiki Co., Ltd.: *See—*
  Asaoka, Teruo; and Yoshioka, Shogo, 4,861,450, Cl. 204-224.00M.
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  Kuwabara, Yohei; and Asaoka, Teruo, 4,883,568, Cl. 204-129.430.
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  Sugimoto, Naoto, 4,841,230, Cl. 324-65.00R.
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  Hirashima, Masayoshi; Shizuya, Osamu; and Omoto, Noriaki, 4,823,135, Cl. 342-362.000.
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  Falkevich, Sergei A.; Naumov, Mikhail V.; Shkarlet, Jury M.; Sukhorukov, Dmitry V.; Fedotov, Viktor N.; and Sazonov, Jury I., 4,856,336, Cl. 73-598.000.
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  Arabia, F. Gene; Shkedi, Zvi; and Brandt, Randy L., 4,876,892, Cl. 73-718.000.
Shkodinskaya, Elizaveta N.: *See—*
  Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
Shkolnik, Alexander: *See—*
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Shlemon, Raymond S. Process for applying pigment. 4,830,695, 5-16-89, Cl. 156-152.000.
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  Georlette, Pierre; Goren, Hanoch; Shmilowitz, Shaul; and Teuerstein, Avraham, 4,849,134, Cl. 252-601.000.
Shmulovich, Joseph: *See—*
  Berkstresser, George W.; and Shmulovich, Joseph, 4,807,241, Cl. 372-80.000.
Shmuratov, Georgy E.: *See—*
  Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V., 4,854,820, Cl. 415-171.100.
Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Oleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P. Composition of welding wire. 4,843,212, 6-27-89, Cl. 219-146.230.
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Shobu, Kazuhisa: *See—*
  Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.
  Watanabe, Tadahiko; Shobu, Kazuhisa; and Enomoto, Yuji, 4,810,676, Cl. 501-87.000.
Shockey, Brent J.; and Tompkins, Rodney R., to Heritage Industries Inc. Automatic teller machine housing. 4,884,514, 12-5-89, Cl. 109-24.100.
Shockey, Rick L.: *See—*
  Rydell, Mark A.; and Shockey, Rick L., 4,806,182, Cl. 156-211.000.
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  Kane, Mark E.; Shockley, James F.; and Eck, Henry H., 4,885,669, Cl. 364-424.010.
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Shockling, Larry A.: *See—*
  Veronesi, Luciano; and Shockling, Larry A., 4,857,264, Cl. 376-353.000.
Shoei Jushi Co., Ltd.: *See—*
  Shimizu, Shoji, 4,880,674, Cl. 428-31.000.
Shoei Kako Kabushiki Kaisha: *See—*
  Kamata, Eitaro, 4,821,344, Cl. 2-414.000.
Shoei Manufacturing Co., Ltd.: *See—*
  Yano, Mitsuru; Hiramatsu, Hajime; and Takaki, Hiroshi, 4,834,550, Cl. 374-57.000.
Shoemaker, Charles B., to Genetics Institute, Inc. Erythropoietin composition. 4,835,260, 5-30-89, Cl. 530-397.000.
Shoemaker, Donald K.: *See—*
  Smith, Peter T.; Rohde, Mark W.; and Shoemaker, Donald K., 4,862,316, Cl. 361-220.000.
Shoemaker, Jack W. Combined centerline target and grade checker apparatus. 4,796,362, 1-10-89, Cl. 33-1.00H.
Shoemaker, Larry N. Minimum tillage implement. 4,838,360, 6-13-89, Cl. 172-176.000.
Shoemaker, Martin L.: *See—*
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Shoemaker, Paul S.; and Kelley, John D., Jr., to General Tire, Inc. Aerodynamic profile tire. 4,811,771, 3-14-89, Cl. 152-454.000.
Shoemaker, Ralph A.: *See—*
  Adams, Jerry F.; Borton, Michael D.; Hubble, Fred F., III; Martin, James P.; Shoemaker, Ralph A.; Werner, Alan J.; and MacDonald, Virginia N., 4,831,410, Cl. 355-208.000.
Shoemaker, Stephen P., Jr. Rolling ball game. 4,822,045, 4-18-89, Cl. 273-110.000.
Shoemaker, Timothy A.: *See—*
  Hewitt, Richard P.; Shoemaker, Timothy A.; and Kitlas, Paul F., 4,808,958, Cl. 336-136.000.
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  Levy, Michael; and Shoemate, John P., 4,850,292, Cl. 112-121.120.
Shoffner, Donald I. Ready-to-assemble cabinet. 4,832,421, 5-23-89, Cl. 312-263.000.
Shofner Engineering Associates, Inc.: *See—*
  Shofner, Frederick M.; Miller, Arthur C., Jr.; and Kreikebaum, Gerhard, 4,885,473, Cl. 250-574.000.
Shofner, Frederick M., to PPM, Inc. Air filtration units and methods employing dust as filtration media and air flow rate as a directly controlled parameter. 4,881,957, 11-21-89, Cl. 55-97.000.
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  Bauer, Frank I.; Mavretish, Robert S.; Shogan, Regis P.; and Sejvar, James, 4,876,593, Cl. 358-100.000.
Shogen, Kuslima; Mikulski, Stanislaw M.; and Ardelt, Wojciech J., to Alfacell Corporation. Pharmaceutical for treating tumors and method for making it. 4,882,421, 11-21-89, Cl. 530-350.000.
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  Tegeler, John J.; and Shoger, Kirk D., 4,800,200, Cl. 514-211.000.
  Tegeler, John J.; and Shoger, Kirk D., 4,873,239, Cl. 514-227.800.
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  Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 206-72.000.
Shoiket, Henry N.: *See—*
  Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,799,583, Cl. 198-418.100.
  Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,807,741, Cl. 198-477.100.
  Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,821,870, Cl. 198-812.000.
  Simelunas, William J.; Shoiket, Henry N.; and Espejo, Celso, 4,843,799, Cl. 53-448.000.

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Shoji, Fusaji: *See—*
  Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.
  Matsuyama, Haruhiko; Shoji, Fusaji; Kuwatsuka, Shunichiro; and Sugimoto, Kenji, 4,824,731, Cl. 428-473.500.
Shoji, Hisashi; Haneda, Satoshi; and Hiratsuka, Seiichiro, to Konishiroku Photo Industry Co., Ltd. Apparatus for reproducing multicolor image. 4,839,692, 6-13-89, Cl. 355-211.000.
Shoji, Hisashi; Haneda, Satoshi; and Yoshino, Kunihisa, to Konica Corporation. Image recording with data transmission bypass and shift register. 4,884,149, 11-28-89, Cl. 358-300.000.
Shoji, Hisashi: *See—*
  Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,803,518, Cl. 355-4.000.
  Haneda, Satoshi; Shoji, Hisashi; and Fuma, Hiroshi, 4,814,797, Cl. 346-157.000.
  Haneda, Satoshi; Shoji, Hisashi; and Hiratsuka, Seiichiro, 4,841,332, Cl. 355-251.000.
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Shoji, Junichi: *See—*
  Ozawa, Naohiro; Gotoh, Toshihiko; and Shoji, Junichi, 4,834,563, Cl. 400-120.000.
Shoji, Kazuo; Fujioka, Yosihide; Harada, Shigeyuki; and Ohba, Toshihiro, to Sharp Kabushiki Kaisha. Driving circuit of thin membrane EL display apparatus. 4,888,523, 12-19-89, Cl. 315-169.300.
Shoji, Kazuo: *See—*
  Fujioka, Yoshihide; Shoji, Kazuo; Harada, Shigeyuki; and Ohba, Toshihiro, 4,864,182, Cl. 315-169.300.
Shoji, Makoto; and Oshikawa, Yoshitoshi, to Ikeda Bussan Co., Ltd. Mold assembly for producing skin-covered foamed plastic article. 4,824,069, 4-25-89, Cl. 249-91.000.
Shoji, Makoto; and Enami, Katsuya, to Teac Corporation. Circuit arrangement for the selective suppression and nonsuppression of read output in magnetic disk apparatus. 4,825,309, 4-25-89, Cl. 360-60.000.
Shoji, Masakazu: *See—*
  Barber, Frank E.; and Snoji, Masakazu, 4,849,751, Cl. 340-825.020.
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  Fujita, Yoshihiro; Komatsuzaki, Hiroshi; Shoji, Masao; Noguchi, Yukio; Hirai, Masayoshi; and Ohno, Kazunori, 4,887,109, Cl. 354-222.000.
Shoji, Masaru; and Yatabe, Mitsunobu, to Casio Computer Co., Ltd. Time correction mechanism for an analog timepiece using plastic gears for transmitting the rotation of the manual operation member to the hands. 4,853,909, 8-1-89, Cl. 368-190.000.
Shoji, Michihiro; and Asano, Osamu, to Nitto Kohki Co., Ltd. Chip breaking device for annular cutters. 4,824,299, 4-25-89, Cl. 409-137.000.
Shoji, Mitsutoshi; Honjoo, Koo; Honma, Yoshiharu; Nakano, Fumio; and Narahara, Toshikazu, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,828,924, 5-9-89, Cl. 428-422.000.
Shoji, Norio, to Sony Corporation. Voltage regulator circuit. 4,843,303, 6-27-89, Cl. 323-313.000.
Shoji, Rikuo: *See—*
  Shinjou, Ietsugu; and Shoji, Rikuo, 4,795,559, Cl. 210-490.000.
Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, to Furukawa Aluminum Co., Ltd.; and Fuji Photo Film Co., Ltd. Aluminum alloy supporter for lithographic printing plate. 4,822,715, 4-18-89, Cl. 430-155.000.
Shoji, Tadao: *See—*
  Oisama, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.
Shoji, Takashi, to Kabushiki Kaisha Bandai. Omnidirectional toy vehicle. 4,810,229, 3-7-89, Cl. 446-443.000.
Shoji, Takashi, to Fuji Photo Film Co., Ltd. Drooping elimination device for semiconductor laser. 4,835,781, 5-30-89, Cl. 372-29.000.
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Shoji, Takashi: *See—*
  Horikawa, Hiroshi; Kudo, Yoshio; Ezuka, Daigo; and Shoji, Takashi, 4,884,259, Cl. 369-32.000.
  Ohara, Yuji; Watanabe, Hideo; and Shoji, Takashi, 4,814,791, Cl. 346-108.000.
  Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
  Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, 4,853,724, Cl. 354-277.000.
  Watanabe, Hideo; and Shoji, Takashi, 4,831,626, Cl. 372-29.000.
Shoji, Tatsumi: *See—*
  Itabashi, Satoshi; Shoji, Tatsumi; and Fukaya, Masaki, 4,835,507, Cl. 338-17.000.
Shoji, Toru: *See—*
  Tosaka, Yoichi; and Shoji, Toru, 4,888,604, Cl. 354-21.000.
Shoji, Tsuyoshi: *See—*
  Yazawa, Yoshiyuki; Ohnishi, Hirofumi; Akimoto, Taizo; Washizu, Susumu; and Shoji, Tsuyoshi, 4,843,471, Cl. 358-160.000.
Shoji, Yoshikata: *See—*
  Anraku, Hideo; and Shoji, Yoshikata, 4,856,533, Cl. 128-763.000.
Shojima, Hiroshi: *See—*
  Kuzunuki, Soshiro; Shojima, Hiroshi; Miura, Masaki; Mori, Junko; and Mifune, Toshimi, 4,860,372, Cl. 382-13.000.
  Mifune, Toshimi; Morooka, Yasuo; Shojima, Hiroshi; Mori, Junko; and Fukunaga, Yasushi, 4,878,249, Cl. 382-13.000.
Shoketsu Kinzoku Kabushiki Kaisha: *See—*
  Fujiwara, Masaki, 4,807,721, Cl. 184-55.200.
Shoketsu Kinzoku Kogyo Kabushiki Kaisha: *See—*
  Kosugi, Seiji; Ando, Norio; and Sagara, Hisao, 4,796,924, Cl. 285-39.000.
Shokoples, John D.: *See—*
  Galichowski, Joseph; and Shokoples, John D., 4,806,058, Cl. 414-304.000.
Sholder, Jason A., to Siemens-Pacesetter, Inc. Pacemaker system and method for measuring and monitoring cardiac activity and for determining and maintaining capture. 4,817,605, 4-4-89, Cl. 128-419.0PT.
Sholder, Jason A.; Mann, Brian M.; and Florio, Joseph J., to Siemens-Pacesetter, Inc. Rate-responsive pacemaker with automatic mode switching and/or variable hysteresis rate. 4,856,523, 8-15-89, Cl. 128-419.0PG.
Sholes, Bessie M. Perspiration shield. 4,856,111, 8-15-89, Cl. 2-56.000.
Sholes, Robert R.: *See—*
  Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
Sholl, Arthur F.; Flint, Bruce R.; and Wolfe, Donald L., to Paxton-Mitchell Company. Offshore station articulated boom maintenance unit. 4,846,357, 7-11-89, Cl. 212-190.000.
Shols, Christopher B. Roller ski. 4,886,298, 12-12-89, Cl. 280-842.000.
Shonai, Tohru: *See—*
  Kamada, Eiki; Shintani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, 4,831,515, Cl. 364-200.000.
  Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.
Shonaka, Hisashi, to Omron Tateisi Electronics Co. Microcomputer system with watchdog timer. 4,809,280, 2-28-89, Cl. 371-62.000.
Shone, Robert L.: *See—*
  Djuric, Stevan W.; Shone, Robert L.; and Yu, Stella S. T., 4,889,871, Cl. 514-456.000.
  Masateru, Miyano; and Shone, Robert L., 4,812,584, Cl. 549-417.000.
  Miyano, Masateru; Shone, Robert L.; and Sohn, Daniel D., 4,888,356, Cl. 514-456.000.
Shono, Hiroaki: *See—*
  Kitamura, Tadanori; Shono, Hiroaki; and Kodama, Atsuki, 4,855,122, Cl. 423-447.100.
Shook, Forrest A.; and Henshaw, Terry L., to NLB Corp. Self-rotating nozzle. 4,821,961, 4-18-89, Cl. 239-253.000.
Shook, Hal C.; and Holland, Carmon D., to CFC Fabrication Corporation. Apparatus for stripping concrete forms from bridge structures. 4,873,738, 10-17-89, Cl. 14-1.000.
Shook, Laura A.: *See—*
  Estabrook, Andrew R.; Shook, Laura A.; Daguio, Gerard N.; and Baker, Robert M., 4,846,545, Cl. 350-96.210.
Shook, Paul S.; and Kane, Daniel E., to United Technologies Corporation. Stator assembly for a gas turbine engine. 4,826,397, 5-2-89, Cl. 415-116.000.
Shook, William B., to Thurston, Inc. Expander for a seat post inserted in a bicycle frame tube. 4,850,733, 7-25-89, Cl. 403-104.000.
Shop-Vac Corporation: *See—*
  Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., 4,797,072, Cl. 417-423.200.
  Berfield, Robert C., 4,799,285, Cl. 15-327.00R.
  Berfield, Robert C.; and Seasholtz, Craig A., 4,799,699, Cl. 280-79.500.
  Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., 4,836,753, Cl. 417-236.000.
  Berfield, Robert C., 4,838,838, Cl. 474-113.000.
  Berfield, Robert C.; and Meland, Ronald F., 4,858,271, Cl. 15-339.000.
  Berfield, Robert C.; Meland, Ronald F.; and Seasholtz, Craig A., 4,880,364, Cl. 417-423.100.
  Miller, Matthew; Miller, Jonathan; Woodhall, Michael B.; and Jennings, Mark F., 4,845,802, Cl. 15-321.000.
  Wacek, Rudolph W.; and Crevling, R. Lent, Jr., 4,800,312, Cl. 310-239.000.
  Woodhall, Michael B.; Gough, Brian; and Wilcox, Russell G., 4,887,330, Cl. 15-322.000.
Shope, William H., to Beckman Instruments, Inc. Variable volume flow cell. 4,841,151, 6-20-89, Cl. 250-364.000.
Shopsky, Harvey J., to Robertshaw Controls Company. Method of making a valve construction. 4,856,164, 8-15-89, Cl. 29-157.10R.
Shoptaw, David R., to Hydro-Craft, Inc. High accuracy turbine flowmeter with optical sensor. 4,887,469, 12-19-89, Cl. 73-861.770.
Shoptaw, David R.: *See—*
  Tootell, Terence S.; Wilson, Keith G.; and Shoptaw, David R., 4,885,943, Cl. 73-861.770.
Shore, Dennis. Article carrier. 4,856,689, 8-15-89, Cl. 224-218.000.
Shore, Sydney, to Typerite Ribbon Manufacturing Corp. Ribbon cartridge. 4,830,524, 5-16-89, Cl. 400-208.000.

Shores, Paul W.; Griffin, John W.; and Kobayashi, Herbert S., to United States of America, National Aeronautics and Space Administration. Doppler radar with multiphase modulation of transmitted and reflected signal. 4,860,014, 8-22-89, Cl. 342-105.000.
Shores, Paul W.: *See—*
Kobayashi, Herbert S.; Lichtenberg, Christopher L.; Shores, Paul W.; and Cunningham, Allen R., 4,818,999, Cl. 342-59.000.
Shores, Ronald G., Sr. Adjustable peep sight. 4,833,786, 5-30-89, Cl. 33-265.000.
Shorey, Mark W.: *See—*
Shorey, Thomas H.; and Shorey, Mark W., 4,802,572, Cl. 198-791.000.
Shorey, Thomas H.; and Shorey, Mark W., to Boeing Company, The. Aircraft cargo roller system. 4,802,572, 2-7-89, Cl. 198-791.000.
Shori, Kaoru: *See—*
Fujioka, Kazuyoshi; and Shori, Kaoru, 4,813,522, Cl. 192-70.200.
Shorin, Philip. Silicone-based, curable, printable, hydrophobic coating compositions and processes for using the same. 4,806,391, 2-21-89, Cl. 427-288.000.
Shorr, Leonard M.; Fishler, Theodor M.; Georlette, Pierre; and Rumack, Michael, to Bromine Compounds Ltd. Flame retardant polymer compositions. 4,849,467, 7-18-89, Cl. 524-104.000.
Short, Allen T.; and Wilkinson, Raleigh J., to J. R. Short Milling Company. Method for producing breakfast cereal. 4,873,110, 10-17-89, Cl. 426-621.000.
Short, Allen T.: *See—*
Wilkinson, Raleigh J.; and Short, Allen T., 4,844,937, Cl. 426-259.000.
Short Brothers plc: *See—*
McClean, James H.; Campbell, Neil A.; and Reid, Iain M., 4,881,[illegible]77, Cl. 364-513.000.
Megarry, Thomas J., 4,882,118, Cl. 264-510.000.
Short, Charles D. Push in fitting converter for plastic tubing. 4,807,911, 2-28-89, Cl. 285-323.000.
Short, Harold R.: *See—*
Oswalt, Philip D.; Short, Harold R.; and Wash, Steven E., 4,802,338, Cl. 62-98.000.
Oswalt, Philip D.; Short, Harold R.; and Wash, Steven E., 4,850,201, Cl. 62-185.000.
Short, James H. Articulated vehicle. 4,809,805, 3-7-89, Cl. 180-139.000.
Short, James N.; and McDaniel, Max P., to Phillips Petroleum Company. Polymerization and catalysts. 4,843,133, 6-27-89, Cl. 526-129.000.
Short, James N.: *See—*
McDaniel, Max P.; and Short, James N., 4,803,253, Cl. 526-352.200.
McDaniel, Max P.; and Short, James N., 4,818,800, Cl. 526-106.000.
McDaniel, Max P.; and Short, James N., 4,877,763, Cl. 502-117.000.
Short, John P.; and Rouse, George V., to Harris Corporation. Dielectric isolation process using double wafer bonding. 4,851,078, 7-25-89, Cl. 156-632.000.
Short, Keith E., to Sundstrand Corporation. Rotational acceleration detector with microdot coding. 4,808,817, 2-28-89, Cl. 250-231.0SE.
Short, Kenneth T.: *See—*
Dynes, Robert C.; Short, Kenneth T.; and White, Alice E., 4,816,421, Cl. 437-26.000.
Short, Mark, to Floor to Floor, Inc. Method of making spiral staircases. 4,831,706, 5-23-89, Cl. 29-407.000.
Short, Michael P., to Isix, Inc. Video system, method and apparatus. 4,821,101, 4-11-89, Cl. 358-181.000.
Short, Michael P., to ISIX, Inc. Video system, method and apparatus for incorporating audio or data in video scan intervals. 4,849,817, 7-18-89, Cl. 358-142.000.
Short, Noel E.: *See—*
Leonard, Rex D.; and Short, Noel E., 4,838,034, Cl. 62-50.200.
Short, Ralph L.: *See—*
Hartley, Susan I.; and Short, Ralph L., 4,817,328, Cl. 43-43.120.
Short, Robert T.: *See—*
Butts, H. Bruce, Jr.; Cutler, David N.; Schnorr, Peter C.; and Short, Robert T., 4,812,971, Cl. 364-200.000.
Short, Stephen P., to General Electric Company. Safety electrical receptacle. 4,867,694, 9-19-89, Cl. 439-137.000.
Short, Stephen P.: *See—*
Gizienski, John J.; Short, Stephen P.; and Mellen, Robert J., 4,867,693, Cl. 439-137.000.
Short Takes, Inc.: *See—*
Cogert, Harmon I., 4,841,378, Cl. 358-335.000.
Short, William T.: *See—*
Hoerner, Rebecca S.; and Short, William T., 4,824,506, Cl. 156-245.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,828,637, Cl. 156-212.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,838,973, Cl. 156-212.000.
Mentzer, Charles C.; Cox, Howard W.; and Short, William T., 4,868,030, Cl. 428-174.000.
Shorthill, Lawrence R.: *See—*
Abramovitz, Robert G.; Anderson, Robert L., Jr.; Busse, Frederick L.; Celarier, Stuart A.; Poublan, Jean-Yves H.; and Shorthill, Lawrence R., 4,809,351, Cl. 382-59.000.
Shortt, Alexandra B.; and Gupta, D. V. Satyanarayana, to Pennzoil Products Company. Surface treating water-in-oil emulsion composition and method. 4,867,911, 9-19-89, Cl. 252-544.000.
Shoshan, Itamar, to Elop Electrooptics Industries Ltd. Laser system. 4,858,239, 8-15-89, Cl. 372-9.000.
Shoshana RAM: *See—*
Gal, Shmuel, 4,856,597, Cl. 172-33.000.
Shoshani, Uri. Decorative products made of plastic having a metalic decorative pattern. 4,869,940, 9-26-89, Cl. 428-38.000.
Shostek, Edward M.: *See—*
Bohusch, Glen D.; Hall, George D.; and Shostek, Edward M., 4,833,972, Cl. 91-465.000.
Shotey, Michael J. Weatherproof outlet cover. 4,803,307, 2-7-89, Cl. 174-67.000.
Shotey, Michael J. Timer assembly with weatherproof housing. 4,810,897, 3-7-89, Cl. 307-112.000.
Shotey, Michael J. Plug enclosing outlet cover. 4,874,906, 10-17-89, Cl. 174-67.000.
Shotoku Ltd.: *See—*
Fujita, Iwao; Maesuna, Masahiro; and Umemura, Tamiki, 4,821,106, Cl. 358-229.000.
Shotwell, Duane E., to Hughes Tool Company. Earth boring bit with pin mounted compensator. 4,887,675, 12-19-89, Cl. 175-228.000.
Shouda, Masahiro, to NEC Corporation. Debugging microprocessor. 4,881,228, 11-14-89, Cl. 371-19.000.
Shoukry, Ehsan I.: *See—*
Clem, Kenneth R.; Heider, Kenneth J.; Kegerreis, James E.; and Shoukry, Ehsan I., 4,872,967, Cl. 208-65.000.
Shouldice, David R., to Cobe Laboratories, Inc. Dialysate preparation apparatus with improved control. 4,814,073, 3-21-89, Cl. 210-85.000.
Shouldice, David R.; Treu, Dennis M.; Powell, Daniel A.; and Cernich, Thomas, to Cobe Laboratories, Inc. Control of cleaning of dialysate preparation apparatus. 4,857,181, 8-15-89, Cl. 210-87.000.
Shouman, Ahmad R.: *See—*
Patton, John T.; and Shouman, Ahmad R., 4,841,721, Cl. 60-39.050.
Shoup, Dale W.; and Ernest, James E., to Slope Indicator Company, The. Digitally based system for monitoring physical phenomena. 4,831,558, 5-16-89, Cl. 364-550.000.
Shoup, Gary L.; Coffman, Allen B.; and Fix, Robert L., to Jerr-Dan Corportion. Wheel-lift tow truck. 4,797,057, 1-10-89, Cl. 414-563.000.
Shoup, Thomas A.: *See—*
Hunt, Thomas J.; Miller, James G.; Thomas, Lewis J., III; Melton, Hewlett E., Jr.; and Shoup, Thomas A., 4,873,984, Cl. 128-660.070.
Shoup, Thomas E., to TRW Inc. Method and apparatus for conducting dripless, smut-free stud welding. 4,804,820, 2-14-89, Cl. 219-98.000.
Shouzi, Tomokazu: *See—*
Hirama, Kouichi; Shouzi, Tomokazu; and Tanaka, Yoshiaki, 4,870,313, Cl. 310-320.000.
Shovan, Larry: *See—*
Collins, Harvey C.; Shovan, Larry; and Collins, David, 4,846,443, Cl. 254-8.00B.
Shovar, John S., to Sears Manufacturing Company. Seat assembly. 4,880,276, 11-14-89, Cl. 297-452.000.
Showa Aluminum Corporation: *See—*
Arai, Kozo; Suzuki, Takao; and Umetsu, Syozo, 4,800,133, Cl. 428-606.000.
Hasegawa, Kaoru; Uto, Shozo; and Hashimoto, Suzushi, 4,804,041, Cl. 165-166.000.
Kato, Yutaka; Tsukamoto, Kenji; and Isoyama, Eizo, 4,828,937, Cl. 428-654.000.
Kato, Yutaka; and Isoyama, Eizo, 4,860,565, Cl. 72-38.000.
Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,804,168, Cl. 266-235.000.
Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,854,968, Cl. 75-63.000.
Sato, Shoichi; Osame, Yasuhiro; and Tazaki, Seiji, 4,888,067, Cl. 148-26.000.
Sukimoto, Minobu; Arima, Haruo; Yamada, Toshiyuki; and Taguchi, Seijiro, 4,809,743, Cl. 137-561.00A.
Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyochiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyochiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.
Tada, Kiyoshi; Tsukamoto, Kenji; and Otsuka, Tatsuo, 4,806,436, Cl. 428-629.000.
Showa Aluminum Kabushiki Kaisha: *See—*
Hoshino, Ryoichi; Sasaki, Hironaka; and Yasutake, Takayuki, 4,825,941, Cl. 165-110.000.
Otsuka, Tatsuo; Iwai, Ichiro; and Yamaguchi, Noboru, 4,852,791, Cl. 228-183.000.
Sasaki, Hironaka; and Hoshino, Ryoichi, 4,815,532, Cl. 165-152.000.
Sukimoto, Minobu; Chuma, Hiromune; and Tachi, Teruo, 4,805,435, Cl. 72-283.000.
Tsukuda, Ichizo; Atsumi, Takashi; and Yokoyama, Masao, 4,866,479, Cl. 355-211.000.
Umetsu, Shozo; and Nishizaki, Takeshi, 4,824,494, Cl. 148-438.000.
Showa Denko Kabushiki Kaisha: *See—*
Goto, Sumio, 4,871,493, Cl. 264-40.600.
Hasumoto, Toshiharu; Kashiwada, Kunio; Konishi, Minoru; and Fujishiro, Nobuo, 4,874,403, Cl. 55-55.000.
Hirose, Yoichi, 4,816,286, Cl. 427-39.000.
Hoshi, Katsumasa; Nomura, Yukihiro; Kamei, Ryosuke; Shibano, Hiroshi; and Banba, Takeshi, 4,850,533, Cl. 239-33.000.
Kawakami, Yoshihiko; Hamada, Yoshitsugu; Takahashi, Takeshi; and Yotsuyanagi, Junji, 4,828,135, Cl. 220-270.000.
Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsumi; Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kunio, 4,833,256, Cl. 549-227.000.

Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.
Kodama, Akinori; and Takahashi, Takeshi, 4,877,149, Cl. 220-267.000.
Kurosawa, Shigeru; and Matsuki, Kunio, 4,873,295, Cl. 525-420.000.
Kuroyama, Shigefumi; and Okazaki, Kenichi, 4,851,258, Cl. 427-127.000.
Maeda, Masahiko; Fujihira, Ryutaro; Moteki, Yoshihiro; Watanabe, Naotoshi; and Sakon, Yuichi, 4,826,726, Cl. 428-379.000.
Matsubara, Mamoru; and Takuno, Masami, 4,819,342, Cl. 34-95.000.
Miyazaki, Kunihiro; and Ishitobi, Ken, 4,883,502, Cl. 51-309.000.
Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.
Moteki, Yoshihiro, 4,855,363, Cl. 525-207.000.
Murakami, Hirobumi; Suda, Tsutomu; Machida, Mitunobu; and Umemura, Hide, 4,863,995, Cl. 525-74.000.
Naitoh, Kazumi; Arakawa, Yoshiaki; and Ikezaki, Takashi, 4,797,789, Cl. 361-525.000.
Naitoh, Kazumi; and Arakawa, Yoshiaki, 4,888,666, Cl. 361-512.000.
Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.
Nishimura, Kunio; and Iijima, Hitoshi, 4,842,863, Cl. 424-438.000.
Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.
Oda, Yukio; and Kitayama, Mikito, 4,829,103, Cl. 523-220.000.
Okamoto, Shosuke; Okada, Yoshio, Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro; Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.
Sasakawa, Shigeru; and Shiba, Masayuki, 4,880,786, Cl. 514-53.000.
Suzuki, Takashi; Yasuda, Tetsuo; Miyauchi, Otohiko; and Yotsuyanagi, Junji, 4,865,793, Cl. 264-278.000.
Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, 4,822,668, Cl. 428-283.000.
Tokuda, Toshio; Tokieda, Tsunemi; and Ishida, Norio, 4,794,954, Cl. 138-30.000.
Yoshida, Haruo; Uotani, Nobuo; and Saida, Yoshihiro, 4,833,231, Cl. 528-423.000.
Showa Electric Wire & Cable Co., Ltd.: *See—*
Aida, Fumio, Shinono, Takeo; Hanai, Misao; and Tassavori, Shahrzad, 4,801,766, Cl. 174-120.0SC.
Yokoyama, Takeo; and Yamazoe, Hidetoshi, 4,819,215, Cl. 367-135.000.
Showa High Polymer Co., Ltd.: *See—*
Shibata, Jouji; Ohtani, Kazuo; Shinohara, Norio; and Hanyuda, Toshiaki, 4,853,279, Cl. 428-267.000.
Takiyama, Eiichiro; Yokoyama, Akira; and Ogura, Ryushi, 4,814,365, Cl. 523-514.000.
Showa Marine Kogyo Kabushiki Co., Ltd.: *See—*
Yano, Kaichi, 4,863,027, Cl. 206-390.000.
Showa Precision Machinery Co., Ltd.: *See—*
Hashimoto, Toshio; and Nakafuji, Minoru, 4,886,529, Cl. 51-165.710.
Showa Sangyo Co., Ltd.: *See—*
Kawamata, Yoshio; and Iwai, Kiyoshi, 4,857,279, Cl. 422-268.000.
Showa Shell Sekiyu Kabushiki Kaisha: *See—*
Inui, Tomoyuki, 4,843,183, Cl. 585-640.000.
Showa, Ueki: *See—*
Itsuo, Nishioka; Genichiro, Nonaka; Michihiro, Fujiwara; and Showa, Ueki, 4,806,659, Cl. 549-399.000.
Showalter, Howard D. H.: *See—*
Beylin, Vladimir G.; Goel, Om P.; Sercel, Anthony D.; and Showalter, Howard D. H., 4,806,654, Cl. 548-370.000.
Showboard, Inc.: *See—*
Wood, Donald L., 4,794,712, Cl. 40-605.000.
Showell, Henry J., to Pfizer Inc. 3-substituted-2-oxindole-1-carboxamides for suppressing T-cell function. 4,853,409, 8-1-89, Cl. 514-418.000.
Showell, Michael S.: *See—*
Castro, Artemio; and Showell, Michael S., 4,798,679, Cl. 252-174.150.
ShowerTek, Inc.: *See—*
Christianson, Thomas R., 4,836,668, Cl. 350-588.000.
Showscan Film Corporation: *See—*
Trumbull, Douglas; Collins, David; Smith, Wayne; and Spieldiener, Robert, 4,798,376, Cl. 272-18.000.
Trumbull, Douglas; Collins, David; Smith, Wayne; and Spieldiener, Robert, 4,874,162, Cl. 272-18.000.
Trumbull, Douglas, 4,889,423, Cl. 352-46.000.
Shoyab, Mohammed; Marquardt, Hans; and Todaro, George J., to Oncogen, Inc. Polypeptide tumor inhibitors and antibodies thereto. 4,806,492, 2-21-89, Cl. 436-547.000.
Shoyaki, Takeshi: *See—*
Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.
Shoyama, Teruhisa: *See—*
Yamanaka, Torao; Shoyama, Teruhisa; and Teraji, Nobuo, 4,807,259, Cl. 375-109.000.
Shoyo Sangyo Co., Ltd.: *See—*
Yokote, Takasuke; and Kamimura, Nobuo, 4,823,562, Cl. 63-5.100.
Shoziro Ito: *See—*
Ito, Shoziro; Ito, Akihiro; and Ito, Hiroyasu, 4,859,077, Cl. 374-33.000.
Shpigel, Leonid; and Berzack, Jeffrey C. Support member. 4,819,904, 4-11-89, Cl. 248-545.000.
Shpigel, Vladimir. Connective joint with interlocking ring structures adaptable for flux or force transmission. 4,845,603, 7-4-89, Cl. 362-427.000.
Shpiro, Zeev, to ECI Telecom Ltd. Adaptive differential pulse code modulation (ADPCM) systems. 4,860,313, 8-22-89, Cl. 375-27.000.
Shrader, Eric J.: *See—*
Matsumoto, Yasuo; Shrader, Eric J.; and Cohn, Patricia O., 4,825,229, Cl. 346-1.100.
Shrader, Robert L.; and Winnek, Douglas F. Auto-focus travelling lens camera for three-dimensional photography. 4,823,156, 4-18-89, Cl. 354-115.000.
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Garnier, Thomas J.; and Peterson, Craig R., 4,844,363, Cl. 241-224.000.
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Sanik, Paul S.; Shreve, Dennis H.; and Varrasso, Eugene C., 4,819,149, Cl. 364-132.000.
Shreve, Donald R. Quick change spray paint receptacle apparatus. 4,824,018, 4-25-89, Cl. 239-114.000.
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Henderson, Richard S.; Shreve, Gary A.; and Tenhover, Michael A., 4,810,314, Cl. 148-403.000.
Shrewsburg, James E.; and Cole, Edward W., III, to BASF Corporation. Adhesion enhancer for covered polyurethane panels. 4,812,350, 3-14-89, Cl. 428-151.000.
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Macke, Anthony V.; and Shrimpton, Philip E., 4,830,532, Cl. 404-31.000.
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Dayton, Douglas C.; Bergeron, Richard; and Shriner, Donald R., 4,799,254, Cl. 379-97.000.
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Squires, John P.; and Shrinkle, Louis J., 4,876,491, Cl. 318-138.000.
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Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., 4,825,395, Cl. 364-708.000.
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Kinser, Ralph W., Jr.; Shriver, David L.; and Layman, Judith A., 4,885,430, Cl. 174-254.000.
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Shrode, John. Vehicle hood supported frameless foldable protective emergency shelter. 4,884,588, 12-5-89, Cl. 135-88.000.
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Shroot, Braham: *See—*
  Caron, Daniele; and Shroot, Braham, 4,837,213, Cl. 514-179.000.
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  Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,826,969, Cl. 536-55.200.
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  Maignan, Jean; Lang, Gerard; Malle, Gerard; Restle, Serge; and Shroot, Braham, 4,833,240, Cl. 536-55.200.
  Maignan, Jean R.; Shroot, Braham; and Restle, Serge A., 4,810,694, Cl. 514-54.000.

Shroyer, David, to Lamb-Weston, Inc. Alignment apparatus for impact alignment of weighed batches of elongated objects. 4,843,795, 7-4-89, Cl. 53-236.000.

Shroyer, Richard A.; and Nutting, Thomas C., to Eastman Kodak Company. Still video camera with common circuit for color balance and exposure control. 4,805,010, 2-14-89, Cl. 358-29.000.

Shroyer, Tomas L.: *See—*
  Nies, David L.; and Shroyer, Tomas L., 4,886,319, Cl. 303-9.750.

Shtarkman, Emil M., to TRW Inc. Electrically controlled viscous elastic spring. 4,869,476, 9-26-89, Cl. 267-140.100.

Shtipelman, Boris A., to Eastman Kodak Company. Flexure-mounted radial access apparatus for disk recorder/player. 4,860,137, 8-22-89, Cl. 360-106.000.

Shtohryn, Liudoslava V.; and Peters, David, to Warner-Lambert Company. Pharmaceutical composition. 4,820,523, 4-11-89, Cl. 424-469.000.

Shturman, Leonid: *See—*
  Comben, Richard H.; Gilman, Byron L.; and Shturman, Leonid, 4,874,371, Cl. 604-95.000.

Shu, Chi-Yao, to Tai, Matthias; Hu, Shing-Bun; Yeh, Gwo-Guer; and Guo, Mow-Ho. Closed variable-volume container coolable to rapidly solidify water therein. 4,856,296, 8-15-89, Cl. 62-430.000.

Shu, David B., to Hughes Aircraft Company. Computer vision architecture for iconic to symbolic transformation. 4,809,346, 2-28-89, Cl. 382-49.000.

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  Nash, James G.; and Shu, David B., 4,809,347, Cl. 382-49.000.

Shu, Kuang-I: *See—*
  Beckner, Mark W.; Porter, Frederick D.; and Shu, Kuang-I, 4,833,671, Cl. 370-80.000.

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Shu, Paul, to Mobil Oil Corporation. Block copolymers useful for enhanced oil recovery processes. 4,809,782 3-7-89, Cl. 166-275.000.

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  Hazlett, Randy D.; and Shu, Paul, 4,830,108, Cl. 166-270.000.
  Hoskin, Dennis H.; and Shu, Paul, 4,859,717, Cl. 523-130.000.
  Jennings, Alfred R., Jr.; and Shu, Paul, 4,811,789, Cl. 166-276.000.

Shu, Peter H.: *See—*
  Aycock, David [illegible].; and Shu, Peter H., 4,824,887, Cl. 524-151.000.

Shu, Timour T.: *See—*
  Hinzmann, Alfred; Preisner, Peter M.; and Shu, Timour T., 4,886,077, Cl. 131-282.000.

Shu, Winston R.: *See—*
  Shu, Paul; and Shu, Winston R., 4,804,043, Cl. 166-263.000.

Shub, David A.; and Casna, Nancy J., to Research Foundation of State University of New York, The. Recombinant DNA process for producing useful polypeptides. 4,845,031, 7-4-89, Cl. 435-68.000.

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Shube, Eugene E.: *See—*
  Barba, Valentin G.; and Shube, Eugene E., 4,823,063, Cl. 318-689.000.

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Shubert, Hans H.; Salbeck, Gerhard; Luders, Walter; and Knauf, Werner, to Hoechst Aktiengesellschaft. Silane derivatives. 4,864,027, 9-5-89, Cl. 546-14.000.

Shubin, Steven A. Child safety car seat. 4,858,997, 8-22-89, Cl. 297-487.000.

Shubow, Calvin. Metallizing compositions, metal bonded structures and methods of metallizing and/or fireproofing. 4,826,534, 5-2-89, Cl. 106-18.110.

Shubow, Calvin. Laminar wall panel. 4,865,894, 9-12-89, Cl. 428-59.000.

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Shuda, Etsuji: *See—*
  Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472.000.

Shudo, Katsuyuki: *See—*
  Kawase, Shigeru; Kinjo, Hisao; Mizuno, Yoshio; and Shudo, Katsuyuki, 4,868,678, Cl. 358-313.000.

Shudo, Koichi, to Shionogi & Co., Ltd. Flavone carboxylic acid derivatives. 4,[illegible]31,052, 5-16-89, Cl. 514-455.000.

Shue, Ho-Jane: *See—*
  Blythin, David J.; and Shue, Ho-Jane, 4,866,061, Cl. 514-250.000.

Shue, Ming-Jen. Electronic stethoscopic apparatus. 4,878,501, 11-7-89, Cl. 128-715.000.

Shuert, Lyle H. Container with sleeve interlocking latch. 4,856,657, 8-15-89, Cl. 206-[illegible]00.000.

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  Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

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  Beamenderfer, Robert E.; Long, William B.; and Shuey, John R., 4,880,388, Cl. 4[illegible]9-108.000.

Shuey, Kenneth C., to Westinghouse Electric Corp. Distribution of line carrier communications. 4,890,089, 12-26-89, Cl. 340-310.00A.

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  Parrott, Richard M.; Colvin, Jack A.; and Shuey, Lyle W., 4,860,794, Cl. 137-637.200.

Shuffle Master, Inc.: *See—*
  Breeding, John G., 4,807,884, Cl. 273-149.00R.

Shufflebarger Charles: *See—*
  Hein, Bruce; and Shufflebarger, Charles, 4,827,597, Cl. 29-596.000.
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Shuford, David M., to LTV Aerospace & Defense Company. Composition for forming a protective coating on carbon-carbon substrates and article. 4,830,919, 5-16-89, Cl. 428-408.000.

Shug, Austin L.; and Keene, Bruce W. Method for preventing diet induced carnitine deficiency in domesticated dogs and cats. 4,883,672, 11-28-89, Cl. 426-2.000.

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  Mackanic, James C.; Lelko, Dawn M.; Shugart, Steven A.; and Koch, James K., 4,881,906, Cl. 439-83.000.

Shuhara, Akira: *See—*
  Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fukumoto, Kazumi; and Takeya, Hitoshi, 4,88[illegible],971, Cl. 250-492.200.

Shui, Chen C.: *See—*
  Kuei, Liu C.; Shui, Chen C.; and Lung, Huang C., 4,843,371, Cl. 340-539.000.

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  Ichiro, Kitaura; Shuichi, Tamura; and Keitaro, Yonezawa, 4,830,337, Cl. 254-95.000.

Shukla, Yagya: *See—*
  Ramachandran, Ramakrishnan; Shukla, Yagya; and MacLean, Donald L., 4,868,330, Cl. 558-320.000.

Shuku, Shigekazu: *See—*
  Yamori, Tsunefumi; Shuku, Shigekazu; and Fujioka, Hironari, 4,812,438, Cl. 503-200.000.

Shuku, Sigekazu: *See—*
  Yamori, Tsunefumi; Shuku, Sigekazu; and Fujioka, Hironari, 4,833,116, Cl. 503-200.000.

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  Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.

Shulan, John L.: *See—*
  Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,851,110, Cl. 209-135.000.
  Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,852,818, Cl. 241-301.000.

Shuler, Charles M.: *See—*
  Chapman, Brenda S.; Sharon, James W.; and Shuler, Charles M., 4,844,958, Cl. 428-36.100.

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  Howell, William R.; and Shuler, Eric T., 4,833,743, Cl. 5-426.000.

Shuler, Michael L.: *See—*
  Efthymiou, George S.; and Shuler, Michael L., 4,861,483, Cl. 210-636.000.

Shull, James A. Mailbox signalling apparatus. 4,877,180, 10-31-89, Cl. 232-35.000.

Shull, Michael S. Combined container holder and opener. 4,817,810, 4-4-89, Cl. 220-85.00H.

Shull, William A.: *See—*
  Ortiz, Mark V.; and Shull, William A., 4,866,726, Cl 372-65.000.

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  Hazelton, Donald R.; and Shulman, Cindy B., 4,857,409, Cl. 428-494.000.

Shulman, Jan E.; and Ramachandran, Pallassana, to Colgate-Palmolive Co. Stabilized fabric softening built detergent composition containing enzymes. 4,842,769, 6-27-89, Cl. 252-8.600.

Shulman, Joel I.: *See—*
  Charbonneau, Duane L.; Moore, Debra J.; and Shulman, Joel I., 4,886,658, Cl. 424-53.000.

Shulof, George F., Jr.: *See—*
  Epperly, William R.; Peter-Hoblyn, Jeremy D.; Shulof, George F., Jr.; Sullivan, James C.; and Sprague, Barry N., 4,863,704, Cl. 423-235.000.

Shultz, David E.; Muntean, George L.; and Vogt, Kevin L., to Cummins Engine Company, Inc. Simplified pressure time dependent fuel injector. 4,813,600, 3-21-89, Cl. 239-88.000.

Shultz, Jeffrey R.: *See—*
  Wang, C. David; Shultz Jeffrey R.; Chen, Hao A.; Minter, James L.; and Brower, Charles H., 4,863,782, Cl. 428-204.000.

Shultz, Julius, to Dax Manufacturers Inc. Transparent picture frame construction. 4,837,954, 6-13-89, Cl. 40-152.000.

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Shum, Victor K., to Amoco Corporation. Process for upgrading light paraffins. 4,806,701, 2-21-89, Cl. 585-417.000.

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Shumaker, Harold L.: *See—*
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Shuman, Joseph L. Portable grill assembly. 4,854,297, 8-8-89, Cl. 126-30.000.

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Shumate, William A.; Kindred, Daniel R.; Antonio, Franklin P.; Gardner, Steven H.; Kelkar, Krishnanand; Bilotta, Thomas R.; and Rogers, Steven L., to M/A-Com Government Systems, Inc. Decoder ring system. 4,879,720, 11-7-89, Cl. 371-43.000.

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  Sato, Takanori; Watanabe, Yasushi; Nakamura, Yasukazu; and Saito, Yutaka, 4,864,797, Cl. 52-725.000.

Shumsky Enterprises, Inc.: *See—*
  Yon, Janet L., 4,829,613, Cl. 5-431.000.

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Shumway, Daniel H.: *See—*
  Ramaiah, Raghu; and Shumway, Daniel H., 4,866,328, Cl. 313-25.000.

Shumway, Mark P. Telephone power distribution and isolation system. 4,875,232, 10-17-89, Cl. 379-413.000.

Shun-chih, Wu: *See—*
  Jui-Chi, Ho; and Shun-chih, Wu, 4,807,654, Cl. 134-179.000.

Shunpei, Saeki: *See—*
  Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, 4,849,843, Cl. 360-128.000.

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  Tachibana, Shunro; and Shibata, Uichi, 4,821,740, Cl. 128-798.000.

Shupe, Russell D., to Conoco Inc. Process for secondary oil recovery utilizing propoxylated ethoxylated surfactants in seawater. 4,886,120, 12-12-89, Cl. 166-274.000.

Shur-Lok Corporation: *See—*
  Worthing, Albert L., 4,817,264, Cl. 29-512.000.
  Worthing, Albert L., 4,846,612, Cl. 411-82.000.

Shur, Michael: *See—*
  Czubatyj, Wolodymyr; Hack, Michael G.; and Shur, Michael, 4,882,295, Cl. 437-101.000.
  Xu, Jingming; and Shur, Michael, 4,845,541, Cl. 357-34.000.

Shur, Michael S.: *See—*
  Abrokwah, Jonathan K.; Cirillo, Nicholas C., Jr.; Shur, Michael S.; and Tufte, Obert N., 4,814,851, Cl. 357-42.000.

Shurboff, John D.: *See—*
  Altman, Leonard F.; Moore, Kevin D.; and Shurboff, John D., 4,827,326, Cl 357-67.000.

Shure Brothers Inc.: *See—*
  Julstrom, Stephen D.; and Gilbert, Mark W., 4,811,019, Cl. 341-143.000.
  Plice, Gerald W., 4,887,693, Cl. 181-242.000.
  Woodard, Alan P., 4,862,507, Cl. 381-155.000.

Shure, Charles H., III: *See—*
  McFadden, Russell E.; and Shure, Charles H., III, 4,860,976, Cl. 244-207.000.

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  Pickering, Russell J., 4,832,340, Cl. 273-80.200.

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Shurnick, Carl W.; and Bradley, Sabrina M. Runner's portable fluid supply container. 4,852,781, 8-1-89, Cl. 224-148.000.

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  Cerier, Jeffrey C.; Trotta, Robert A.; and Shurtleff, Jill M., 4,807,360, Cl. 30-49.000.

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Shurtz, Richard R., II: *See—*
  Sharp, Edward J.; Shurtz, Richard R., II; Elser, Wolfgang; and Wood, Gary L., 4,819,239, Cl. 372-12.000.

Shuster, Donald E.: *See—*
  Wacker, Robert L.; Shuster, Donald E.; Sharpless, John; Knobbe, Alan J.; and Murphy, James C., 4,887,770, Cl. 239-703.000.

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  Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., 4,880,734, Cl. 435-68.000.
  Burke, Rae Lyn; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia A.; and Valenzuela, Pablo D. T., 4,876,197, Cl. 435-172.300.

Shuster, Jerry P.; and Cesaroni, Anthony, to Du Pont Canada Inc. Process for manufacturing of heat exchangers from polymers. 4,859,265, 8-22-89, Cl. 156-292.000.

Shuster, Mark K.: *See—*
  Basgil, David E.; Shuster, Mark K.; and Pituch, Thomas R., 4,853,063, Cl. 156-238.000.

Shusterov, Viktor S.: *See—*
  Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.

Shuto, Katsuichi: *See—*
  Shiozaki, Shizuo; Shuto, Katsuichi; and Oiji, Yoshimasa, 4,851,414, Cl. 514-277.000.

Shuto, Sadanobu: *See—*
  Deguchi, Naoyasu; Kamei, Sadao; Goda, Kensuke; Shuto, Sadanobu; and Hayashi, Yasuhiro, 4,886,738, Cl. 430-510.000.
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Shuto, Yoshito: *See—*
  Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, 4,801,186, Cl. 350-96.300.

Shutova, Nadezhda V.: *See—*
  Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,494, Cl. 548-374.000.

Shutske, Gregory M., to Hoechst-Roussel Pharmaceuticals, Inc. Substituted 9-amino-spiro[cycloalkyl[B]quinoline-2,1'cycloalkanes]. 4,806,646, 2-21-89, Cl. 546-15.000.

Shutske, Gregory M.; and Pierrat, Frank A., to Hoechst-Roussel Pharmaceuticals, Inc. Method of preparing 9-amino-1,2,3,4,-tetrahydroacridin-1-ones and related compounds. 4,835,275, 5-30-89, Cl. 546-79.000.

Shutske, Gregory M.; and Pierrat, Frank A., to Hoechst-Roussel Pharmaceuticals, Inc. 9-Amino-3,4-dihydroacridines and related compounds useful for enhancing memory. 4,839,364, 6-13-89, Cl 514-290.000.

Shutske, Gregory M.; and Effland, Richard C., to Hoechst-Roussel Pharmaceuticals, Inc. Fused heteroalkylene quinolinamines. 4,843,079, 6-27-89, Cl. 514-292.000.

Shutske, Gregory M. Substituted 9-amino-spiro(cycloalkyl(B)quinoline-2,1'cycloalkanes. 4,855,479, 8-8-89, Cl. 560-18.000.

Shutske, Gregory M.; and Kapples, Kevin J., to Hoechst-Roussel Pharmaceuticals, Inc. 1,2,3,4-tetrahydro-1,9-acridinediamines, pharmaceutical compositions and use. 4,868,177, 9-19-89, Cl. 514-228.200.

Shutske, Gregory M., to Hoechst-Roussel Pharmaceuticals, Inc. 4-(Benzisothiazol-3-yl)phenoxyacetic acid 1',1'-dioxides as diuretics. 4,868,188, 9-19-89, Cl. 514-373.000.

Shutske, Gregory M., to Hoechst-Roussel Pharmaceuticals, Inc. 12-Halogenated forskolin derivatives. 4,871,764, 10-3-89, Cl. 514-455.000.

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Shutt, Eric; Altena, Andries G.; and Jenkins, John W., to Johnson Matthey Public Limited Company. Oxidative conversion of methane to ethylene and ethane. 4,873,388, 10-10-89, Cl. 585-500.000.

Shutt, George V., to Aspen Laboratories, Inc. Surgical drill. 4,830,000, 5-16-89, Cl. 128-305.100.

Shutt, Sidney G., to Rockwell International Corporation. Accelerometer. 4,803,883, 2-14-89, Cl. 73-517.00B.

Shuttleworth, Leslie; and Merkel, Paul B., to Eastman Kodak Company. Photographic element containing yellow filter dyes having tricyanovinyl groups. 4,861,700, 8-29-89, Cl. 430-517.000.

Shutts, Christopher J. Coating detector for low emissivity glass. 4,812,740, 3-14-89, Cl. 324-62.000.

Shuyama, Hideo: *See—*
Tsutsumi, Yoshitaka; Seita, Toru; Shuyama, Hideo; Matsumura, Kousaburou; and Nakazawa, Kyoko, 4,822,721, Cl. 430-325.000.

Shwartzman, Stanley; and Leahy, Michael F., to General Electric Company. Method of etching a layer including polysilicon. 4,818,334, 4-4-89, Cl. 156-643.000.

Shwetz, Linda: *See—*
Bizjak, Karl; Shantz, Michael; and Shwetz, Linda, 4,860,251, Cl. 364-900.000.

Shwisha, Haim, to Electrix, Inc. Electrical connection for track lighting. 4,828,505, 5-9-89, Cl. 439-119.000.

Shy, Max H., to McLaughlin Mfg. Co., Inc. Hydraulic rod pusher-puller. 4,842,248, 6-27-89, Cl. 254-29.00R.

Shy, Max H., to McLaughlin Manufacturing Company. Rotary drill guard assembly and method. 4,889,193, 12-26-89, Cl. 175-62.000.

Shyam, Krishnamurthy: *See—*
Sartorelli, Alan C.; Shyam, Krishnamurthy; and Hrubiec, Robert T., 4,849,563, Cl. 514-155.000.

Shyh-Chin, Huang; and Gigliotti, Michael F. X., Jr., to General Electric Company. Tantalum-modified titanium aluminum alloys and method of preparation. 4,842,817, 6-27-89, Cl. 420-418.000.

Shyi, David Y. Structure of multi-protection safety car bumper. 4,807,91, 2-28-89, Cl. 293-132.000.

Shyu, Chin-Miin: *See—*
Mohammadi, Farrokh; and Shyu, Chin-Miin, 4,839,704, Cl. 357-23.300.

Shyu, Jia-Ming; Huang, Kuoan; and Liu, Jung-Lung, to Industrial Technology Research Institute. Cutting machine for pits on CD master. 4,802,156, 1-31-89, Cl. 369-132.000.

Shyu, Jia-Ming; Chen, Inn-Ming; Lee, Tian-Quey; and Kung, Yunn-Chiang, to Industrial Technology Research Institute. Method and apparatus for automatically recognizing license plate characters. 4,878,248, 10-31-89, Cl. 382-9.000.

Shyu, Lieh-Jiun, to Stauffer Chemical Company. High viscosity potassium metaphosphate. 4,824,649, 4-25-89, Cl. 423-314.000.

Shyu, Wen-Chyi: *See—*
Williams, John P.; Huang, Chin-Jung; and Shyu, Wen-Chyi, 4,838,052, Cl. 70-63.000.

Shyu, Wen L.: *See—*
Wang, Yough J.; and Shyu, Wen L., 4,862,580, Cl. 29-566.400.

Shyu, Yeong-Ji. Roller-type bicycle brake structure. 4,823,916, 4-25-89, Cl. 188-24.120.

Shyy, Yeu-Hwa: *See—*
Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang, Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, 4,866,629, Cl. 364-468.000.

SI Handling Systems, Inc.: *See—*
Eberhardt, Nikolai, 4,817,000, Cl. 364-443.000.
Pyle, Roger A.; and Lindqvist, Per E., 4,798,147, Cl. 104-166.000.

Si, Stephen S. C.; Lee, H. P. Sherman; and Rawlinson, Stephen J., to Amdahl Corporation. High speed floating-point unit. 4,800,516, 1-24-89, Cl. 364-748.000.

Si, Stephen S. C., to Amdahl Corporation. Saving registers in data processing apparatus. 4,809,162, 2-28-89, Cl. 364-200.000.

Si, Stephen S. C.; and Merrick, Dale F., to Amdahl Corporation. Multimode scan apparatus. 4,819,166, 4-4-89, Cl. 364-200.000.

Si, Stephen S. C.; Wang, Eugene T.; and Chiou, Jongwen, to Amdahl Corporation. Deterministic clock control apparatus for a data processing system. 4,835,728, 5-30-89, Cl. 364-900.000.

Si, Stephen S. C.: *See—*
Wang, Eugene T.; and Si, Stephen S. C., 4,855,616, Cl. 307-269.000.

Siadak, Anthony W.; and Lostrom, Mark E., to Genetics Corporation; and Miles, Inc. Human monoclonal antibodies to serotypic lipopolysaccharide determinants on gram-negative bacteria and their production. 4,834,975, 5-30-89, Cl. 424-87.000.

Siamon, Al. Composition and method for anti-static protection. 4,828,621, 5-9-89, Cl. 106-271.000.

Sian; Sucha S.; Marcus, Paul H.; and Adler, Felix P., to Altair International, Inc. Two-part electrical connector. 4,826,452, 5-2-89, Cl. 439-595.000.

Siano, Dante: *See—*
Righi, Nardino, 4,879,553, Cl. 340-932.200.

Siano, James C. Railroad tie replacement apparatus. 4,872,646, 10-10-89, Cl. 254-43.000.

Sias, Stacey: *See—*
Dragon, Elizabeth A.; and Sias, Stacey, 4,870,006, Cl. 435-7.000.

Sias, Stacey R.: *See—*
Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.

Sibalis, Dan, to Drug Delivery Systems Inc. System and method for controlling rate of electrokinetic delivery of a drug. 4,808,152, 2-28-89, Cl. 604-20.000.

Sibalis, Dan, to Drug Delivery Systems Inc. Method for making disposable and/or replenishable transdermal drug applicators. 4,856,188, 8-15-89, Cl. 29-877.000.

Sibalis, Dan, to Drug Delivery Systems Inc. Disposable transdermal drug applicators. 4,865,582, 9-12-89, Cl. 604-20.000.

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Sibalis, Dan, to Drug Delivery Systems Inc. Disposable and/or replenishable transdermal drug applicators and methods of manufacturing same. 4,883,457, 11-28-89, Cl. 604-20.000.

Siband, Jean-Louis. Navigational instrument for controlling the stability of a mobile device. 4,794,703, 1-3-89, Cl. 33-366.000.

Sibasaki, Hitosi: *See—*
Amada, Mitsumasa; Sibasaki, Hitosi; and Nagasaka, Masami, 4,839,680, Cl. 354-233.000.

Sibata, Takuo: *See—*
Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.

Sibazaki, Syogo: *See—*
Murakami, Jyoji; Sibazaki, Syogo; and Tempaku, Junya, 4,841,296, Cl. 341-51.000.

Sibbald, Alastair; and Whalley, Peter D., to Thorn EMI plc. Sensor arrangements. 4,865,716, 9-12-89, Cl. 204-409.000.

Sibbertsen, Walter, to Marresearch Gesellschaft fuer Forschung und Entwicklung GmbH. Process for cooling the blades of thermal turbomachines. 4,818,178, 4-4-89, Cl. 415-115.000.

Sibbertsen, Walter, to Mar-Research Gesellschaft fuer Forschung und Entwicklung mbH. Pistol grip type compressed air blower. 4,867,380, 9-19-89, Cl. 239-405.000.

Sibbett, Wilson: *See—*
Byron, Kevin C.; Scott, Michael G.; and Sibbett, Wilson, 4,847,84, Cl. 372-42.000.

Sibert, John W.: *See—*
Clough, Thomas J.; Sibert, John W.; and Riese, Arthur C., 4,801,329, Cl. 75-97.00A.

Sibeud, Jean P.; and Ellenberger, Gerard, to Renault Vehicules Industriels. Synchronized control of gearbox by an electronic calculator. 4,846,050, 7-11-89, Cl. 92-68.000.

Sibigtroth, James M., to Motorola, Inc. Output compare system and method for a data processor. 4,873,624, 10-10-89, Cl. 364-200.000.

Sibigtroth, James M.: *See—*
Heene, Mark R.; Menkedick, Michael H.; Sibigtroth, James M.; and Espinor, George L., 4,802,119, Cl. 364-900.000.

Sibilia, John P.: *See—*
Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., 4,876,127, Cl. 428-35.700.
Kotliar, Abraham M.; Sacks, William; Sibilia, John P.; and Kumar, Rakesh, 4,886,689, Cl. 428-35.700.

Sibley, Kenneth R.; and Bambeck, Gregory S. Artificial lure with time release attractant. 4,887,376, 12-19-89, Cl. 43-42.060.

Sibley, Paul T., to Coleman Outdoor Products, Inc. Backpack with detachable auxiliary packs. 4,884,731, 12-5-89, Cl. 224-215.000.

Sibole, Wade. Segmented die. 4,872,790, 10-10-89, Cl. 408-221.000.

Sibuya, Masayosi: *See—*
Funabashi, Masayuki; and Sibuya, Masayosi, 4,814,307, Cl. 502-101.000.

Sica, Louis, Jr., to United States of America, Navy. Two-way optical communication system for atmospheric use. 4,888,816, 12-19-89, Cl. 455-607.000.

Sicam Societa' Italiana Cuscini A Molle S.p.A.: *See—*
Bracesco, Roberto, 4,844,761, Cl. 156-220.000.
Brambilla, Silvio, 4,875,736, Cl. 297-440.000.
Brambilla, Silvio, 4,880,268, Cl. 296-65.100.

Sichart, Frithjof V.; Hollstein, Christian; and Kirchberger, Klaus, to Siemens Aktiengesellschaft. Method for forming data block protection information for serial data bit sequences by means of cyclical binary codes. 4,852,097, 7-25-89, Cl. 371-37.000.

Sichel, Enid K., to Massachusetts Institute of Technology. Digital storage. 4,855,985, 8-8-89, Cl. 369-100.000.

Sichel, Enid K.: *See—*
Rubner, Michael; and Sichel, Enid K., 4,808,336, Cl. 252-500.000.

Sicignano, Albert; and Vaez-Iravani, Mehdi, to North American Philips Corporation. In situ differential imaging and method utilizing a scanning electron microscope. 4,845,362, 7-4-89, Cl. 250-310.000.

Siciliano, Anthony J., to Big Dutchman. Poultry cage. 4,841,9, 6-27-89, Cl. 119-17.000.

Siciliano, Samuel G.: *See—*
Berry, Robert L.; and Siciliano, Samuel G., 4,846,861, Cl. 62-6.000.

SICIM SpA: *See—*
Cosmai, Pietro, 4,850,967, Cl. 604-68.000.
Cosmai, Pietro, 4,856,567, Cl. 141-302.000.

Sicinski, Rafal R.: *See—*
DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847, Cl. 260-397.200.

Sick, Erwin, to Erwin Sick GmbH Optik-Elektronik. Solar mirror apparatus. 4,820,033, 4-11-89, Cl. 350-613.000.

Sick-Optique-Electronique: *See—*
Bois, Emmanuel; Huard, Serge; and Boisde, Gilbert, 4,861,131, Cl. 350-96.180.

Sickafus, Edward N.; and Mikkor, Mati, to Ford Motor Company. Directional aperture etched in silicon. 4,808,260, 2-28-89, Cl. 156-644.000.

Sickafus, Edward N., to Ford Motor Company. Rectilinearly deflectable element fabricated from a single wafer. 4,812,199, 3-14-89, Cl. 156-626.000.

Sickafus, Edward N.: *See—*
Mikkor, Mati; and Sickafus, Edward N., 4,808,549, Cl. 437-60.000.

Sickert, Armin: *See—*
Meier, Helmut-Martin; Kloker, Werner; and Sickert, Armin, 4,868,320, Cl. 556-408.000.

Sickert, Richard G.; Pielemeier, John W.; and Mueller, Dale E., to Whirlpool Corporation. Means for inletting water into an automatic washer including a water inlet and louvered basket arrangement. 4,809,524, 3-7-89, Cl. 68-148.000.

Sicking, David H.: *See—*
Tawil, Riad A.; and Sicking, David H., 4,825,077, Cl. 250-369.000.

Sicking, Dean L.; and Ross, Hayes E., Jr. Low maintenance crash cushion end treatment. 4,815,565, 3-28-89, Cl. 188-32.000.

Sickinger, Albert: *See—*
Muehlberger, Erich; and Sickinger, Albert, 4,877,640, Cl. 427-34.000.

Sickinger Company: *See—*
Pfaffle, Ernst, 4,874,279, Cl. 412-39.000.

Sico Incorporated: *See—*
McNamara, George, 4,885,813, Cl. 5-136.000.

Sicor Societa' Italiana Corticosteroidi S.p.A.: *See—*
MacDonald, Peter, 4,835,145, Cl. 514-174.000.

Siczek, Aldona A. Pivoting motor drive for bucky. 4,827,495, 5-2-89, Cl. 378-155.000.

Sidam S.R.L.: *See—*
Franco, Grigoli; and Franco, Trabacchi, 4,797,295, Cl. 426-421.000.

Siddall, Jonathan H.; and Johnson, Thomas C., to Dow Chemical Company, The. Crosslinker stabilizer for preparing absorbent polymers. 4,833,222, 5-23-89, Cl. 526-200.000.

Siddall, William E.: *See—*
Baratz, Alan E.; Clarke, Kathryn E.; Pollard, Melinda R.; Pozefsky, Diane P.; Rafalow, Lee M.; Siddall, William E.; and Gray, James P., 4,873,517, Cl. 340-825.030.

Siddens, Jack K.: *See—*
Brown, Dale G.; Siddens, Jack K.; Diehl, Robert E.; and Wright, Donald P., Jr., 4,857,651, Cl. 549-443.000.

Siddiqi, Iqbal; and Wuhrmann, Hans-Rudolf, to Hoffmann-La Roche Inc. Selectively ion-permeable dry electrodes for analyzing selected ions in aqueous solution. 4,859,306, 8-22-89, Cl. 204-416.000.

Siddiqi, Iqbal; and Wuhrmann, Hans-Rudolf, to Hoffmann-La Roche Inc. Method of manufacturing ion-selective electrodes for analyzing selected ions in solution. 4,867,860, 9-19-89, Cl. 204-418.000.

Siddiqi, Shakeel: *See—*
Silverman, Lawrence H.; and Siddiqi, Shakeel, 4,868,579, Cl. 343-895.000.

Siddoway, Craig F.; Castaneda, Julio C.; and Iezzi, Peter D., to Motorola, Inc. Carry case with quick release and self locating retainer apparatus. 4,858,798, 8-22-89, Cl. 224-242.000.

Siddoway, Mark A.; Stidham, Neal D.; and Machmer, William C., to Shell Oil Company. Low rank coal by wet oxidizing, drying and cooling. 4,797,136, 1-10-89, Cl. 44-501.000.

Side, Solly, to Societe Gerac. Impervious shelter made of modules. 4,835,919, 6-6-89, Cl. 52-79.900.

Side Step Inc.: *See—*
Burkstrand, George W.; and Burkstrand, Lowell E., 4,807,719, Cl. 182-15.000.

Sidebottom, Mark: *See—*
Christner, Susan A.; Janda, Elaine R.; and Sidebottom, Mark, 4,822,054, Cl. 277-12.000.

Sidel: *See—*
Denis, Gerard; and Rius, Jean-Michel, 4,836,971, Cl. 264-521.000.
Denis, Gerard; and Rius, Jean-Michel, 4,846,656, Cl. 425-174.400.

Sidell, James E.: *See—*
Cumming, Newell E.; and Sidell, James E., 4,805,068, Cl. 361-213.000.

Sidell, James H.: *See—*
Cumming, Newell E.; and Sidell, James H., 4,834,297, Cl. 239-690.000.

Sidera, Luis C. J. Display device for images broken up into strips. 4,833,804, 5-30-89, Cl. 40-512.000.

Siderman, Miguel A. Device for hygienizing the bucal cavity. 4,865,021, 9-12-89, Cl. 128-66.000.

Sides, Claude R., to Aragon Companies Inc. Prepackaged liner and litter assembly. 4,813,374, 3-21-89, Cl. 119-1.000.

Sides, Gary D.; and Cates, Marion H., to CMS Research Corporation. Continuous air monitoring apparatus and method. 4,805,441, 2-21-89, Cl. 73-23.100.

SIDI SPORT S.a.s. di Dino Signori & C.: *See—*
Signori, Dino, 4,882,858, Cl. 36-131.000.

Sidlauskas, David P.: *See—*
Mongeon, Ronald W.; Sidlauskas, David P.; and Geiszler, Theodore D., 4,818,855, Cl. 235-440.000.

Sidles, James, to B. F. Goodrich Company, The. Composite laminates comprising matrix bound plies having interlocked transverse fibers and a method of making the same. 4,888,228, 12-19-89, Cl. 428-86.000.

Sidney, Barry D.: *See—*
Hess, Robert V.; Upchurch, Billy T.; Brown, Kenneth G.; Miller, Irvin M.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Hoyt, Ronald F., 4,839,330, Cl. 502-53.000.
Upchurch, Billy T.; Miller, Irvin M.; Brown, Kenneth G.; Hess, Robert V.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Paulin, Patricia A., 4,829,035, Cl. 502-34.000.

Sido, William F.: *See—*
Kaminski, Ronald S.; Sido, William F.; and Nowicki, Casimir W., 4,808,366, Cl. 264-509.000.

Sidot, Christian; and Christidis, Yani, to Societe Francaise Hoechst. Pure anhydrous crystallized acrylamidoglycolic acid and a method for the preparation thereof. 4,810,822, 3-7-89, Cl. 562-567.000.

Sidoti, Kenneth C.: *See—*
Kowalics, Raymond P.; and Sidoti, Kenneth C., 4,803,920, Cl. 99-348.000.
Kowalics, Raymond P.; Sidoti, Kenneth C.; and Beery, Richard L., 4,817,510, Cl. 99-331.000.

Sidransky, Fred, to Sundstrand Corporation. Compressor with supercritical diffuser. 4,859,145, 8-22-89, Cl. 415-211.100.

Siduh, Sanjiv S.: *See—*
Gupta, Subhash; Siduh, Sanjiv S.; and Vlach, Frank, 4,888,692, Cl. 364-402.000.

Sie, Swan A.: *See—*
Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., 4,803,479, Cl. 340-860.000.
Graebner, Peter; Sie, Swan A.; and Angehrn, Jorg A., 4,862,424, Cl. 367-33.000.

Sie, Swan T.; Drent, Eit; and Jager, Willem W., to Shell Oil Company. Process for the production of methanol and a composition suitable for use as a catalyst in said process. 4,812,433, 3-14-89, Cl. 502-117.000.

Sie, Swan T.; Drent, Eit; and Jager, Willem W., to Shell Oil Company. Process for the production of methanol and a composition suitable for use as a catalyst in said process. 4,868,221, 9-19-89, Cl. 518-700.000.

Sie, Swan T.; Drent, Eit; and Jager, Willem W., to Shell Oil Company. Process for the production of methanol and a composition suitable for use as a catalyst in said process. 4,873,267, 10-10-89, Cl. 518-700.000.

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Sie, Swan T.; Drent, Eit; and Jager, Willem W., to Shell Oil Company. Process for the production of methanol and catalyst composition for said process. 4,888,361, 12-19-89, Cl. 518-700.000.

Sie, Swan T.: *See—*
Dijk, Arjan V.; and Sie, Swan T., 4,851,451, Cl. 518-714.000.

Sieben, Murray K.; and Rohs, Gordon L. Remotely operated hatch covers for tank trucks and the like. 4,854,076, 8-8-89, Cl. 49-280.000.

Sieben, Ulrich; and Schemmann, Heinrich, to Deutsche ITT Industries GmbH. Apparatus for the digital generation of vertical synchronizing and field identification signals. 4,858,008, 8-15-89, Cl. 358-148.000.

Sieben, Ulrich K.: *See—*
Schweer, Reiner; Juenke, Manfred; and Sieben, Ulrich K., 4,858,007, Cl. 358-147.000.

Siebenlist, John J.: *See—*
Fajner, Michael J.; Mallonen, Edward A.; and Siebenlist, John J., 4,806,897, Cl. 337-49.000.

Sieber, Albrecht: *See—*
Brauninger, Jurgen; Holmes, James; and Sieber, Albrecht, 4,808,920, Cl. 324-161.000.

Sieber, Alexander: *See—*
Schneider, Manfred; Ott, Ulrich; Sieber, Alexander; and Zimmermann, Manfred, 4,859,728, Cl. 524-159.000.

Sieber, Daniel G.: *See—*
Napeloni, Paul; Sieber, Daniel G.; and Cabe, Thomas D., 4,843,896, Cl. 73-866.500.

Sieber, Eugene W.: *See—*
Manniso, James L.; Sieber, Eugene W.; and Voshell, Glenn R., 4,878,930, Cl. 55-493.000.

Sieber, Jonathan D.; and Sieber, Joseph S. Plotter pen with asymmetric point. 4,823,148, 4-18-89, Cl. 346-139.00R.

Sieber, Joseph: *See—*
Knopf, Ulrich C.; and Sieber, Joseph, 4,799,358, Cl. 62-3.000.

Sieber, Joseph S.: *See—*
Sieber, Jonathan D.; and Sieber, Joseph S., 4,823,148, Cl. 346-139.00R.

Sieber, Richard W.; Perreault, David A.; and Paige, Arnold, to GTE Laboratories Incorporated. Method for synchronizing a digital communication system. 4,807,253, 2-21-89, Cl. 375-108.000.

Sieber, Richard W.: *See—*
Cooperman, Michael; and Sieber, Richard W., 4,805,196, Cl. 375-107.000.
Cooperman, Michael; and Sieber, Richard W., 4,818,988, Cl. 340-825.850.
Cooperman, Michael; and Sieber, Richard W., 4,859,877, Cl. 307-443.000.

Sieber, Robert L.: *See—*
Andrews, Loren E.; and Sieber, Robert L., 4,859,889, Cl. 310-89.000.

Siebern, Michael R.: *See—*
Harrod, Lawrence R.; and Siebern, Michael R., 4,802,372, Cl. 74-325.000.
Harrod, Lawrence R.; and Siebern, Michael R., 4,823,632, Cl. 74-342.000.

Siebers, Bruce M.: *See—*
Wilson, John C.; Stevens, Robert A.; Odorzynski, Thomas W.; Siebers, Bruce M.; and Rajala, Gregory J., 4,834,742, Cl. 604-389.000.

Siebert, Craig; and Scott, Martin, to Metallized Carbon Corporation. Eccentric bearing and hanger. 4,854,747, 8-8-89, Cl. 384-447.000.

Siebert, Edward: *See—*
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Birkle, Siegfried; and Gehring, Johann, 4,803,811, Cl. 51-7.000.
Birkle, Siegfried; Sezi, Recai; Feucht, Hans-Dieter; and Leuschner, Rainer, 4,812,200, Cl. 156-643.000.
Bitzinger, Rudolf; Engl, Walter; Humml, Siegfried; and Schreier, Klaus, 4,860,333, Cl. 379-10.000.
Bock, Hans-Christian; and Kaul, Karlheinz, 4,866,752, Cl. 378-197.000.
Boehme, Gerit; and Turnwald, Hermann, 4,820,955, Cl. 315-3.500.
Boerner, Manfred; Mueller, Reinhard; and Trommer, Gert, 4,849,986, Cl. 372-97.000.
Bokers, Franz-Josef; and Steinke, Alexander, 4,827,063, Cl. 376-439.000.
Boning, Werner; Wagner, Wolfgang; Gandhi, Sharad; Stadlmeier, Hans; and Schonberger, Franz, 4,811,306, Cl. 364-200.000.
Borner, Manfred; Muller, Reinhard; and Trommer, Gert, 4,799,749, Cl. 350-96.130.
Boy, Juergen, 4,797,778, Cl. 361-130.000.
Boy, Juergen; and Hoene, Ernst L., 4,831,485, Cl. 361-120.000.
Breimesser, Fritz, 4,825,685, Cl. 73-4.00R.
Breimesser, Fritz; and Granz, Bernd, 4,831,601, Cl. 367-88.000.
Bremer, Jurgen; Fuchs, Andreas; and Marquardt, Rainer, 4,809,153, Cl. 363-141.000.
Bruch, Helmut; and Pohl, Peter, 4,805,978, Cl. 350-96.200.
Bruch, Helmut, 4,818,057, Cl. 350-96.200.
Bruen, Johannes; and Latussek, Hans-Peter, 4,875,869, Cl. 439-189.000.
Brumme, Gerhard, 4,847,858, Cl. 372-107.000.
Brune, Johannes; and Latussek, Hans-Peter, 4,861,274, Cl. 439-189.000.
Brune, Johannes; and Latussek, Hans-Peter, 4,871,324, Cl. 439-189.000.
Brune, Johannes, 4,878,700, Cl. 292-241.000.
Brunner, Matthias, 4,831,267, Cl. 250-397.000.
Brunner, Matthias, 4,841,242, Cl. 324-158.00R.
Brusch, Josef, Hanni, Manfred; and Hechfellner, Kurt, 4,843,612, Cl. 375-1.000.
Brust, Hans D., 4,820,977, Cl. 324-158.00R.
Brust, Hans-Detlef, 4,803,357, Cl. 250-310.000.
Brust, Hans-Detlef; and Otto, Johann, 4,812,748, Cl. 324-158.00R.
Brust, Hans-Detlef, 4,853,622, Cl. 324-158.00R.
Brust, Hans-Detlef, 4,887,031, Cl. 324-158.00R.
Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,808,089, Cl. 417-417.000.
Budde, Klaus; Koch, Friedrich; and Quella, Ferdinand, 4,876,322, Cl. 526-242.000.
Buettner, Gerhard, 4,831,655, Cl. 381-69.000.
Burghardt, Hartmut; Jahns, Juergen; and Kindt, Stefan, 4,871,222, Cl. 350-96.140.
Bury, Joachim, 4,843,539, Cl. 364-200.000.
Busch, Dieter; Harless, Friedrich; and Krauss, Gerhard, 4,845,755, Cl. 381-68.000.
Buyukguclu, Mehmet Ali, 4,833,501, Cl. 355-3.00R.
Caprasse, Friedhelm, 4,884,273, Cl. 371-49.400.
Christopher, Hans-Gunther; Thurk, Joachim; Noack, Dieter; and Schultz, Thomas, 4,886,944, Cl. 200-48.00R.
Clasen, Peter-Michael, 4,839,534, Cl. 307-269.000.
Clemens, Peter, 4,836,899, Cl. 204-130.000.
Clemens, Peter; Michel, Herbert; and Thoma, Christoph, 4,842,629, Cl. 65-30.130.
Conrad, Bernhard; and Tressl, Gunther, 4,801,188, Cl. 350-96.100.
Daalmans, Gabriel M., 4,801,882, Cl. 324-248.000.
Daeges, Johannes; and Van Der Linden, Klaus, 4,888,516, Cl. 310-323.000.
Dallhammer, Richard; Neulinger, Franz; Schmidt, Walter; and Schummer, Helmut, 4,808,200, Cl. 55-105.000.
Damisch, Ruediger; Krutzik, Norbert; Schad, Otto; Zerna, Wolfgang; and Stangenberg, Friedhelm, 4,851,184, Cl. 376-285.000.
Dannhaeuser, Friedrich, 4,887,312, Cl. 455-607.000.
De Man, Erik; and Meier, Stefan, 4,841,175, Cl. 307-475.000.
De Man, Erik; and Noll, Tobias, 4,888,723, Cl. 364-786.000.
Diepers, Heinrich, 4,853,815, Cl. 360-126.000.
Dierkes, Albert; Gilly, Joachim; Grecksch, Ernst; and Schellenberger, Friedrich, 4,819,104, Cl. 360-98.010.
Dietrich, Klaus; Hauer, Hans; and Schreier, Klaus, 4,873,521, Cl. 340-825.520.
Dittmann, Michael, 4,837,538, Cl. 335-202.000.
Doebert, Michael; Guenther, Werner; Heubeck, Erich; Muether, Manfred; and Molitor, Dieter, 4,811,372, Cl. 378-39.000.
Doemens, Guenter; Eigenstetter, Herbert; and Mengel, Peter, 4,814,626, Cl. 250-561.000.
Doemens, Guenter, 4,863,280, Cl. 374-119.000.
Doering, Karlheinz; Grimm, Karl J.; and Bertelsmeier, Manfred, 4,847,833, Cl. 370-85.000.
Doll, Armin; and Navratil, Emil, 4,847,898, Cl. 379-395.000.
Dondl, Peter, 4,827,421, Cl. 364-459.000.
Dotzer, Peter; Glaser, Heinz; Hahn, Reinhold; and Mayr, Ernst, 4,887,423, Cl. 57-295.000.
Draxelmayr, Dieter, 4,852,130, Cl. 377-81.000.
Draxelmayr, Dieter, 4,875,018, Cl. 330-288.000.
Dreinhoff, Karl H., 4,868,582, Cl. 346-1.100.
Dreinhoff, Karl H.; and Schulz, Harald, 4,868,583, Cl. 346-1.100.
Dreinhoff, Karl-Heinz, 4,834,557, Cl. 384-54.000.
Dreinhoff, Karl-Heinz; and Meinhof, Andre-Heinrich, 4,870,502, Cl. 358-474.000.
Drews, Wolf-Dietrich; Van Der Linden, Klaus; Ruttel, Martin; and Friedrich, Jurgen, 4,877,989, Cl. 310-323.000.
Druegh, Paul; and Schmidt, Volker, 4,821,267, Cl. 371-22.000.
Duerr, Wilhelm; Ingwersen, Hartwig; Krause, Norbert; and Oppelt, Ralph, 4,841,249, Cl. 324-318.000.
Ebnet, Friedrich, 4,814,737, Cl. 337-49.000.
Eckardt, Bernd, 4,863,677, Cl. 376-313.000.
Eckardt, Bernd, 4,873,050, Cl. 376-283.000.
Eckardt, Bernd; and Burbach, Thomas, 4,881,958, Cl. 55-179.000.
Eder, Michael; Leutner, Klaus; and Pohl, Siegfried, 4,802,205, Cl. 379-113.000.
Egerbacher, Werner; Vogt, Herbert; and Wunderlich, Dieter, 4,833,522, Cl. 357-74.000.
Ehm, Thomas; and Seidel, Peter, 4,805,265, Cl. 16-340.000.
Eichler, Juergen; Grasser, Franz; and Oppelt, Sylvester, 4,829,986, Cl. 128-24.00A.
Eisenmann, Manfred; and Schreiber, Hans, 4,823,749, Cl. 123-339.000.
Engel, Reinhard; and Brugger, Rudolf, 4,832,438, Cl. 350-96.200.
Erbe, Ehrenfried, 4,890,329, Cl. 381-68.700.
Ermert, Helmut; Ulherr, Thomas; and Bar, Albrecht, 4,796,183, Cl. 364-413.150.
Falckenberg, Richard; Hoyler, Gerhard; and Grabmaier, Josef, 4,871,517, Cl. 422-248.000.
Falkenstein, Rudolf; Taumberger, Franz; and Trommer, Reiner, 4,834,490, Cl. 350-96.200.
Fellinger, Christine; Einzinger, Josef; Leipold, Ludwid; Tihanyi, Jenoe; and Weber, Roland, 4,801,824, Cl. 307-558.000.
Fenk, Josef, 4,843,340, Cl. 330-126.000.
Fenk, Josef, 4,843,348, Cl. 331-109.000.
Fenk, Josef, 4,847,567, Cl. 330-254.000.
Fettweis, Alfred, 4,866,649, Cl. 364-724.140.
Feucht, Peter, 4,862,889, Cl. 128-303.130.
Feuerbaum, Hans-Peter; and Frosien, Juergen, 4,808,821, Cl. 250-305.000.
Feuerbaum, Hans-Peter; and Frosien, Juergen, 4,812,651, Cl. 250-310.000.
Fick, Peter; and Knecht, Klaus, 4,814,138, Cl. 376-463.000.
Fiedelius, Gerhard, 4,870,240, Cl. 219-56.100.
Finzel, Lothar, 4,836,638, Cl. 350-96.210.
Finzel, Lothar, 4,850,671, Cl. 350-96.210.
Fischer, Helmut, 4,799,024, Cl. 328-110.000.
Fleer, Ernst O.; Landgraf, Hermann; and Schwarz, Werner, 4,874,314, Cl. 433-129.000.
Florian, Heinz; Unterlass, Josef; Zettl, Franz; Ramler, Johann; Kelz, Gerhard; and Moshammer, Anna, 4,819,128, Cl. 361-321.000.
Foell, Helmut; and Lehmann, Volker, 4,841,239, Cl. 324-158.00R.
Foell, Helmut; and Lehmann, Volker, 4,874,484, Cl. 204-129.300.
Forster, Josef; and Selinger, Johann, 4,886,635, Cl. 376-268.000.
Franetzki, Manfred; Geisselbrecht, Georg; Buchholtz, Gerhard; Fickweiler, Werner; and Obermann, Peter, 4,883,467, Cl. 604-152.000.
Frankel, Juergen; Mattelin, Antoon; Pecceu, Pol; Quella, Ferdinand; Schmidt, Hans-Friedrich; Boone, Luc; Von Tomkewitsch, Sybille; and De Vogelaere, Marc, 4,853,252, Cl. 427-53.100.
Freller, Helmut; and Schack, Peter, 4,842,710, Cl. 204-192.380.
Frosien, Juergen; and Feuerbaum, Hans-Peter, 4,831,266, Cl. 250-347.000.
Frueh, Walter; and Schnorrenberg, Hans-Juergen, 4,833,590, Cl. 364-167.010.
Fuchs, Hans P., 4,833,343, Cl. 307-296.200.
Fuchs, Volker, 4,802,680, Cl. 279-33.000.
Fuchs, Volker, 4,805,311, Cl. 33-178.00R.
Fuehrer, Diethelm, 4,879,663, Cl. 364-513.000.
Gadke, Herbert; Steinhauer, Peter; Jahn, Franz-Xaver; Schade, Bernd; and Graf, Werner, 4,834,150, Cl. 141-98.000.
Gaebel, Heinz-Ulrich; Kirchner, Heinrich; Maxa, Vladimir; and Winter, Udo, 4,795,951, Cl. 318-293.000.
Gaebel, Lutz, 4,857,762, Cl. 307-441.000.
Gazsi, Lajos, 4,825,396, Cl. 364-724.150.
Gehring, Gerhard; and Hodlmayr, Franz, 4,806,882, Cl. 331-65.000.
Gehring, Johann; and Birkle, Siegfried, 4,876,801, Cl. 34-9.000.
Geiger, Gerhard; and Strafner, Michael, 4,827,471, Cl. 370-85.000.
Geissler, Friedrich; Zwack, Eduard; and Heitmann, Juergen, 4,835,481, Cl. 328-155.000.
Glaeser, Winfried; and Schuett, Dieter, 4,815,022, Cl. 364-716.000.
Glomb, Kurt; Niggl, Heinz; Pelzl, Leo; and Zell, Karl, 4,826,45 Cl. 439-595.000.
Goerne, Jan; Kozilek, Joseph; and Moustakas, Steven, 4,797,9 Cl. 375-10.000.
Goethert, Dieter, 4,837,792, Cl. 378-4.000.
Goetze, Werner; Mayr, Ernst; Oestreich, Ulrich; and Saller, Helmut, 4,839,970, Cl. 350-96.230.
Goschke, Bernd, 4,854,415, Cl. 181-130.000.
Grasser, Franz, 4,811,725, Cl. 128-24.00A.
Grasser, Franz; and Oppelt, Sylvester, 4,819,257, Cl. 378-99.000.
Grasser, Franz, 4,823,774, Cl. 128-24.00A.
Grasser, Franz, 4,838,248, Cl. 128-24.00A.

Grasser, Heinrich; and Muenzer, Adolf, 4,835,006, Cl. 427-39.000.
Grassl, Hans P., 4,799,184, Cl. 364-821.000.
Grassl, Hans-Peter, 4,809,213, Cl. 364-821.000.
Grecksch, Ernst; and Schmidt, Helmut, 4,806,808, Cl. 310-71.000.
Gretsch, Ralf, 4,829,234, Cl. 324-62.000.
Groeber, Alfred; Hadersbeck, Hans; Mueller, Fritz; Zukier, Hubert; and Hacke, Hans J., 4,795,694, Cl. 430-314.000.
Grohrock, Peter, 4,804,086, Cl. 206-328.000.
Gross, Wolfgang, 4,868,636, Cl. 357-71.000.
Guenther, Werner; and Schmitt, Heinrich, 4,802,198, Cl. 378-197.000.
Guenther, Werner; and Heubeck, Erich, 4,807,272, Cl. 378-196.000.
Guenther, Werner; Muether, Manfred; Heubeck, Erich; Doebert, Michael; and Werner, Leonhard, 4,823,369, Cl. 378-22.000.
Guenther, Werner; Heubeck, Erich; and Muether, Manfred, 4,831,645, Cl. 378-205.000.
Guenther, Werner; Heubeck, Erich; and Muether, Manfred, 4,856,038, Cl. 378-39.000.
Guentner, Herwig, 4,890,059, Cl. 324-174.000.
Gulde, Peter; and Scholz, Christian, 4,838,994, Cl. 156-643.000.
Gumbrecht, Walter; Schelter, Wolfgang; Montag, Bernhard; and Hobel, Peter, 4,841,974, Cl. 128-635.000.
Haan, Franz; and Hock, Lothar, 4,875,285, Cl. 29-832.000.
Haas, Adolf, 4,852,082, Cl. 370-32.000.
Haberberger, Vitus, 4,836,560, Cl. 277-88.000.
Haberer, Herbert, 4,881,242, Cl. 375-118.000.
Haberrecker, Klaus, 4,819,260, Cl. 378-137.000.
Haberrecker, Klaus; and Roth, Rainer, 4,841,557, Cl. 378-141.000.
Habrich, Reiner; and Bayer, Heiner, 4,880,662, Cl. 427-54.100.
Hackl, Franz; and Wohrer, Franz, 4,810,955, Cl. 324-158.0MG.
Hackl, Franz; Spitaler, Wolfgang; and Wohrer, Franz, 4,845,413, Cl. 388-802.000.
Haendle, Jorg, 4,886,970, Cl. 250-484.100.
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,799,234, Cl. 372-97.000.
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,831,631, Cl. 372-92.000.
Haeussler, Klaus M.; Wittmann, Julius; Gaukel, Gisela; and Auracher, Franz, 4,873,697, Cl. 372-108.000.
Hagemeyer, Friedrich-Wilhelm, 4,875,181, Cl. 364-716.000.
Hagen, Uwe; and Redler, Udo, 4,807,621, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, 4,841,966, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, 4,873,973, Cl. 128-303.130.
Hagen, Uwe; and Redler, Udo, 4,873,974, Cl. 128-303.130.
Hahn, Alfred; and Raup, Jens-Peter, 4,872,192, Cl. 378-181.000.
Hahn, Alfred; and Vogel, Georg, 4,877,017, Cl. 128-24.00A.
Hahn, Guenther; Krueger, Hans; Lamprecht, Herbert; and Seiffarth, Werner, 4,841,539, Cl. 372-63.000.
Hammer, Bernard, 4,829,376, Cl. 358-133.000.
Hammer, Bernard; and von Brandt, Achim, 4,853,779, Cl. 358-133.000.
Hargasser, Hans; and Dathe, Joachim, 4,864,471, Cl. 361-417.000.
Harke, Wolf-Udo, 4,831,639, Cl. 378-19.000.
Hartmann, Gunter; Swoboda, Ralf; and Lang, Robert, 4,839,954, Cl. 29-235.000.
Hassler, Dietrich; Eschenbacher, Heinz; and Haerer, Wolfgang, 4,817,614, Cl. 128-660.050.
Hassler, Dietrich; and Schmidt, Erhard, 4,834,106, Cl. 128-660.030.
Hassler, Dietrich; and Schmidt, Erhard, 4,865,041, Cl. 128-660.030.
Haug, Friedrich, 4,881,244, Cl. 375-36.000.
Haug, Friedrich, 4,888,764, Cl. 370-85.100.
Hebenstreit, Ernst, 4,866,556, Cl. 361-91.000.
Heidrich, Helmut; Hoffmann, Detlef; and Nolting, Hans-Peter, 4,856,094, Cl. 455-619.000.
Hein, Gerd, 4,858,196, Cl. 365-229.000.
Hein, Hans, 4,805,771, Cl. 206-332.000.
Heinen, Jochen, 4,818,722, Cl. 437-129.000.
Heinen, Jochen, 4,841,344, Cl. 357-17.000.
Heinen, Jochen; and Kappeler, Franz, 4,845,723, Cl. 372-38.000.
Heinle, Georg, 4,839,589, Cl. 324-166.000.
Heinze, Roland; and Stangl, Karl, 4,805,621, Cl. 128-419.0PG.
Heinze, Roland; and Stangl, Karl, 4,823,797, Cl. 128-419.0PG.
Heinze, Roland; and Elmqvist, Hakan, 4,830,488, Cl. 356-41.000.
Heinze, Roland; and Liess, Hans D., 4,870,967, Cl. 128-419.0PG.
Heinze, Roland; and Liess, Hans-Dieter, 4,877,032, Cl. 128-419.0PG.
Heinzel, Angelika, 4,882,341, Cl. 429-19.000.
Heinzl, Joachim; Lehmann, Manfred; and Trausch, Gunter E., 4,888,598, Cl. 346-140.00R.
Held-Elbert, Gabriele; Kaiser, Wolfgang; Koch, Wilhelm; and Schmutzler, Werner, 4,839,920, Cl. 379-377.000.
Henkel, Hans-Joachim; and Muller, Norbert, 4,795,769, Cl. 523-219.000.
Herberg, Helmut, 4,811,074, Cl. 357-96.000.
Herkert, Hans, 4,801,934, Cl. 340-825.020.
Hetz, Walter, 4,869,258, Cl. 128-660.100.
Heubeck, Erich; Gunther, Werner; Muther, Manfred; and Werner, Leonhard, 4,813,060, Cl. 378-39.000.
Heubeck, Erich, 4,847,881, Cl. 378-38.000.
Heumann, Reiner; Noske, Erich; and Rattner, Manfred, 4,796,613, Cl. 128-24.00A.
Heynisch, Hinrich; Hauser, Josef; and Hubner, Erwin, deceased, 4,803,397, Cl. 313-337.000.
Heywang, Walter, 4,812,005, Cl. 350-96.200.
Hieber, Konrad, 4,810,335, Cl. 204-192.330.
Hildebrand, Reinhard; and Riedel, Friedrich, 4,852,638, Cl. 165-42.000.
Hilz, Wolfgang; Schuster, Rudolf; and Schauflinger, Hans, 4,841,241, Cl. 324-158.00F.
Hinrichs, Fritz; and Mitschik, Herbert, 4,818,965, Cl. 335-274.000.
Hirschberg, Jakub, 4,835,853, Cl. 29-854.000.
Hochstetter, Werner, 4,806,781, Cl. 290-43.000.
Hoene, Ernst L.; Renz, Roman; and Gessner, Klaus, 4,795,866, Cl. 200-144.00B.
Hoenig, Eckhardt, 4,804,915, Cl. 324-248.000.
Hoenig, Eckhardt, 4,864,237, Cl. 324-248.000.
Hoffmann, Kurt; Kraus, Rainer; and Kowarik, Oskar, 4,855,621, Cl. 371-20.000.
Hoffmann, Kurt; Oberle, Hans-Dieter; Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,885,748, Cl. 371-21.300.
Hoffmann, Thomas; Mayr, Ernst; and Saller, Helmut, 4,857,242, Cl. 264-1.400.
Hofmann, Ruediger, 4,801,936, Cl. 340-825.910.
Hoheisel, Martin; Brunst, Gerhard; and Holzenkaempfer, Enno, 4,882,296, Cl. 437-184.000.
Holtz, Joachim; Salama, Samir; and Salzmann, Theodor, 4,881,159, Cl. 363-58.000.
Holzapfel, Heinz P.; and Michel, Peter, 4,839,710, Cl. 357-45.000.
Holzapfel, Heinz-Peter; and Horninger, Karlheinrich, 4,803,649, Cl. 364-784.000.
Holzle, Josef, 4,825,105, Cl. 307-440.000.
Honeck, Karl-Heinz; Johnson, David; Neugebauer, Manfred; Teutsch, Walter; Kini, M. Vittal; and Stacey, Steven C., 4,800,532, Cl. 365-226.000.
Horvath, Horst H., 4,816,052, Cl. 65-29.000.
Hosten, Daniel, 4,832,811, Cl. 204-198.000.
Hosticka, Bedrich J.; Klinke, Roland; and Pfleiderer, Hans-Joerg, 4,843,341, Cl. 330-253.000.
Huebeck, Erich; Schmitt, Heinrich; and Molitor, Dieter, 4,850,003, Cl. 378-179.000.
Huebner, Rosa M.; Huebner, Ursula; and Huebner, Klaus G., 4,816,621, Cl. 174-152.0GM.
Huettenrauch, Gerd; and Jenner, Erhard, 4,853,948, Cl. 378-177.000.
Humbs, Rolf; and Depta, Ingolf, 4,855,764, Cl. 346-140.00R.
Hums, Erich, 4,814,318, Cl. 502-439.000.
Hums, Erich, 4,847,234, Cl. 502-208.000.
Hums, Erich; Hein, Dietmar; and Schmelz, Helmut, 4,849,392, Cl. 502-209.000.
Hums, Erich, 4,851,381, Cl. 502-209.000.
Hums, Erich, 4,880,378, Cl. 431-170.000.
Hunold, Michael, 4,875,225, Cl. 378-99.000.
Intichar, Lutz, 4,879,622, Cl. 361-19.000.
Jacobi, Hubert; and Volkmar, Ralf R., 4,807,949, Cl. 350-96.200.
Jacopich, Werner; Winter, Kurt; and Mayr, Siegfried, 4,857,761, Cl. 307-350.000.
Jans, Herbert, 4,811,014, Cl. 340-825.100.
Jans, Herbert; Brandmaier, Klaus; and Pohl, Siegfried, 4,860,344, Cl. 379-113.000.
Jelinek, Horst, 4,840,129, Cl. 110-229.000.
Jensen, Peter G., 4,811,384, Cl. 379-89.000.
Johnson, Alfred H.; Pohl, Peter; Prauer, Heinz; and Schulz, Dietmar, 4,798,430, Cl. 350-96.200.
Jonson, Bjorn, 4,819,629, Cl. 128-203.220.
Juergens, Hans, 4,802,197, Cl. 378-197.000.
Kaetscher, Erich; Stauner, Jakob; and Huemmeler, Alexander, 4,850,600, Cl. 277-101.000.
Kaindl, Michael; Piepenburg, Werner; and Vollmerhaus, Ernst, 4,801,916, Cl. 338-221.000.
Kaiser, Jurgen; and Kerler, Rudolf, 4,815,672, Cl. 242-4.00R.
Kaiser, Wolfgang; and Schmutzler, Werner, 4,882,742, Cl. 379-30.000.
Kappeler, Franz; Wolf, Thomas; and Stegmueller, Bernhard, 4,875,217, Cl. 372-50.000.
Karstensen, Holger, 4,830,454, Cl. 350-96.180.
Karstensen, Holger; and Klement, Ekkehard, 4,871,224, Cl. 350-96.150.
Kaufhold, Wolfgang, 4,884,181, Cl. 363-35.000.
Kefer, Volker; Kratzer, Werner; and Reitbacher, Franz, 4,829,831, Cl. 73-861.020.
Kegler, Ernst; Svenka, Konrad; and Thierauf, Klaus, 4,803,569, Cl. 360-6[illegible].000.
Keller, Wolfgang, 4,797,525, Cl. 219-10.790.
Kelly, Clifford, 4,845,488, Cl. 340-721.000.
Kess, Helmut, 4,883,984, Cl. 307-256.000.
Kessler, Hartmut, 4,841,411, Cl. 361-323.000.
Kessler, Heinrich, 4,816,776, Cl. 331-49.000.
Kimmel, Heinrich; Montag, Bernhard; and Gumbrecht, Walter, 4,863,694, Cl. 422-86.000.
Kimpel, Rolf-Dieter, 4,803,589, Cl. 361-210.000.
Kinzler, Hans; and Kotowicz, Aleksander, 4,888,970, Cl. 70-456.00R.
Kippenberg, Horst; Moser, Thomas; and Otto, Klaus, 4,889,760, Cl. 428-192.000.
Kleeberg, Wolfgang; Hacker, Heinz; Huber, Jurgen; Wilhelm, Dieter; and Laupenmuhlen, Heinz K., 4,812,490, Cl. 523-443.000.
Klein, Sigismund; and Schulz, Reiner, 4,856,041, Cl. 378-147.000.
Kleine, Peter; and Wechsler, Klaus, 4,884,710, Cl. 220-4.00R.
Kleinhans, Siegfried, 4,813,621, Cl. 241-261.200.
Kleinhans, Siegfried, 4,845,394, Cl. 310-64.000.

Klement, Ekkehard; Schneider, Hartmut; Karstensen, Holger; and Zrschizky, Helmut, 4,889,401, Cl. 350-96.120.
Klingenbeck, Klaus; and Schittenhelm, Rudolf, 4,798,209, Cl. 128-653.000.
Klingenbeck, Klaus; and Regn, Judith, 4,805,627, Cl. 128-653.000.
Knapek, Erwin; and Formanek, Helmut, 4,837,125, Cl. 430-270.000.
Knauer, Karl, 4,839,849, Cl. 364-784.000.
Koch, Rudolf, 4,841,222, Cl. 323-311.000.
Koehler, Georg, 4,796,608, Cl. 128-24.00A.
Koelling, Dieter, 4,851,802, Cl. 335-274.000.
Koelmans, Norbert, 4,797,676, Cl. 342-176.000.
Koenig, Wilhelm; Lang, Thomas; and Trumpp, Gerhard, 4,839,643, Cl. 340-825.910.
Koeppe, Siegmar, 4,799,096, Cl. 357-42.000.
Koeppe, Siegmar, 4,852,093, Cl. 371-23.000.
Koeppe, Siegmar, 4,868,825, Cl. 371-23.000.
Kohlhase, Armin; Birkmaier, Georg; and Wienerroither, Friedrich, 4,865,713, Cl. 204-298.000.
Koziel, Reinhold; Fork, Kurt; and Weidner, Jurgen, 4,814,699, Cl. 324-158.0MG.
Kraker, Alfred, 4,860,238, Cl. 364-721.000.
Kratochwilla, Hans-Michael, 4,801,265, Cl. 433-98.000.
Kratz, Gerhard, 4,855,893, Cl. 363-136.000.
Kraus, Rainer; Kowarik, Oskar; and Paul, Manfred, 4,803,386, Cl. 307-530.000.
Kraus, Rainer, 4,841,180, Cl. 307-530.000.
Kroener, Hans-Juergen, 4,866,743, Cl. 378-4.000.
Krueger, Hans; and Good, Hans P., 4,800,568, Cl. 372-99.000.
Krueger, Hans; and Welsch, Wolfgang, 4,811,355, Cl. 372-61.000.
Krueger, Hans; Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, heir; and Tiemann, Wilhelm, 4,841,540, Cl. 372-86.000.
Krueger, Hans; and Welsch, Wolfgang, 4,875,220, Cl. 372-107.000.
Krueger, Kurt; Schmitt, Heino; and Schultz, Walter, 4,864,484, Cl. 363-45.000.
Kruehler, Wolfgang; and Milla, Peter, 4,879,251, Cl. 437-4.000.
Kuenemund, Ronald; and Noll, Tobias, 4,841,469, Cl. 364-754.000.
Kuesters, Karl-Heinz, 4,855,801, Cl. 357-23.600.
Kuhlmann, Werner; Spaeth, Werner; Waitl, Guenter; and Klann, Joerg, 4,857,746, Cl. 250-551.000.
Kunze, Dieter; Odemar, Norbert; and Schramm, Josef, 4,824,203, Cl. 350-96.210.
Kunze, Dieter; and Bachel, Ernst, 4,865,893, Cl. 428-36.900.
Kupka, Detlef, 4,833,582, Cl. 363-21.000.
Kutschera, Karlheinz; Seibert, Rudolf; Scharm, Walther; and Schwendtner, Manfred, 4,835,516, Cl. 340-310.00R.
Lamprecht, Herbert, deceased; Lamprecht, Thekla, heir; Lamprecht, Simon, Heir; Funk, Guenter; and Krueger, Hans, 4,847,841, Cl. 372-37.000.
Lang, Otto; and Dombrowski, Manfred, 4,807,249, Cl. 375-7.000.
Lauckhardt, Gerhard; and Kurzmann, Hadmar, 4,811,177, Cl. 362-220.000.
Lauckhardt, Gerhard; Schmoll, Kurt; and Kurzmann, Hadmar, 4,870,549, Cl. 362-147.000.
LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, Cl. 264-222.000.
Lechner, Robert; and Wingerath, Norbert, 4,809,258, Cl. 370-58.000.
Lechner, Robert; and Drescher, Manfred, 4,852,159, Cl. 379-402.000.
Lechner, Robert; Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; Priest, Christopher C. A.; Dyer, Nigel P.; Galpin, Robert K. P.; Albouy, Pierre; Le Gougnec, Robert; Nadaradjane, Ramatchandirane; Manca, Marcello; Mosca, Virgilio; and Nicastro, Antonio, 4,881,226, Cl. 370-110.100.
Lehmann, Erhard, 4,825,272, Cl. 357-38.000.
Lehmann, Herbert; and Kardinal, Hans J., 4,869,606, Cl. 400-208.000.
Leipold, Ludwig; Sander, Rainald; Tihanyi, Jenoe; and Weber, Roland, 4,875,131, Cl. 361-103.000.
Lekholm, Anders, 4,817,606, Cl. 128-419.0PG.
Lekholm, Anders, Fahlstroem, Ulf; and Groothoff, Hermann, 4,840,186, Cl. 128-784.000.
Lekholm, Anders; Sall, Gosta; Wecke, Liliane; and Hognelid, Kurt, 4,869,251, Cl. 128-419.0PG.
Lemche, Josef, 4,820,224, Cl. 445-23.000.
Lenhart, Armin; and Hub, Karl-Rupprecht, 4,803,106, Cl. 428-64.000.
Lenz, Michael, 4,887,181, Cl. 361-103.000.
Liebich, Ernst, 4,851,625, Cl. 200-511.000.
Lieske, Normen; and Seichter, Werner, 4,841,525, Cl. 371-21.000.
Liess, Hans D.; and Heinze, Roland, 4,807,632, Cl. 128-634.000.
Lindgren, Anders, 4,802,483, Cl. 128-419.0PG.
Lippert, Hans-Joachim; and Ceylan, Ahmet, 4,851,187, Cl. 376-448.000.
Lippert, Hans-Joachim, 4,861,545, Cl. 376-448.000.
Losehand, Reinhard; and Eger, Helmut, 4,859,616, Cl. 437-39.000.
Lueers, Wilbrand, 4,840,125, Cl. 104-292.000.
Lueneburger, Klaus, 4,803,451, Cl. 335-273.000.
Maghon, Helmut; and Krockow, Wolfram, 4,827,724, Cl. 60-731.000.
Magori, Valentin, 4,885,942, Cl. 73-861.280.
Mahlein, Hans; Maerz, Reinhard; and Schienle, Meinrad, 4,815,081, Cl. 372-32.000.
Mahler, Matthias; Oppelt, Sylvester; and Rattner, Manfred, 4,794,914, Cl. 128-24.00A.
Maier, Reinhard; and Goth, Kurt, 4,858,057, Cl. 361-94.000.
Malek, Moni, 4,829,517, Cl. 370-110.100.
Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,459, Cl. 335-195.000.
Manthe, Karl-Heinz; Boettcher, Martin; and Pfeiffer, Bernhard, 4,845,460, Cl. 335-201.000.
Marin, Heiner; and Noack, Dieter, 4,823,232, Cl. 361-335.000.
Marin, Heiner; and Noack, Dieter, 4,827,373, Cl. 361-335.000.
Marsing, Helmut, 4,808,941, Cl. 328-235.000.
Marsing, Helmut; and Jahnke, Andreas, 4,843,333, Cl. 328-235.000.
Mattausch, Hans J., 4,860,263, Cl. 365-230.050.
Mattis, Renate; Seidel, Gunther; Ubelhack, Heinrich; and Homer, Russel D., 4,799,256, Cl. 379-269.000.
Mauch, Richard; and Klein, Klaus, 4,834,615, Cl. 415-213.100.
Mayr, Ernst, 4,810,429, Cl. 264-1.500.
Mayr, Ernst, 4,840,454, Cl. 350-96.230.
Mayr, Ernst; Oestreich, Ulrich; and Weil, Erich, 4,854,668, Cl. 350-96.300.
Mazure-Espejo, C. A.; and Neppl, Franz, 4,885,617, Cl. 357-23.900.
McKenna, Gilbert W., 4,859,949, Cl. 324-321.000.
Meissner, Ralph; and Kess, Helmut, 4,801,885, Cl. 324-318.000.
Meixner, Hans; Mader, Gerhard; and Freitag, Reinhard, 4,831,259, Cl. 250-353.000.
Meltsch, Hans-Jurgen; Rost, Jan; Behmer, Albin; and Mahler, Ernst, 4,825,016, Cl. 174-93.000.
Meyer, Serge-E-H, 4,890,330, Cl. 381-69.200.
Michel, Eberhard; Scholz, Manfred; Berndt, Wolfgang; and Katscher, Peter, 4,801,425, Cl. 376-461.000.
Michel, Petra; and Geiger, Martin, 4,884,115, Cl. 357-42.000.
Milbrandt, Artur, 4,803,500, Cl. 346-140.00R.
Mitlmeier, Norbert; and Koppmann, Bardo, 4,876,522, Cl. 335-193.000.
Morgott, Horst; Poetsch, Edmund; Schmidtner, Erich; and Goercke, Hans-Hasso, 4,829,417, Cl. 363-126.000.
Moser, Thomas; Otto, Klaus; Kippenberg, Horst; Ramler, Johann and Unterlass, Josef, 4,797,780, Cl. 361-321.000.
Mueller, Friedhelm; and Straub, Horst, 4,861,358, Cl. 55-386.000.
Mueller, Gottfried, 4,841,421, Cl. 362-279.000.
Mueller, Karl-Heinz, 4,825,086, Cl. 250-491.100.
Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Kresner, Johann, 4,856,037, Cl. 378-34.000.
Mueller, Karl-Heinz, 4,887,282, Cl. 378-34.000.
Mueller, Ruediger, 4,888,625, Cl. 357-17.000.
Mueller, Werner, 4,842,705, Cl. 204-192.290.
Mueller, Wilhelm; and Schneider, Werner, 4,825,208, Cl. 340-825.020.
Muller, Karl-Heinz, 4,820,055, Cl. 356-401.000.
Mund, Konrad; Preidel, Walter; Rao, J. Raghavendra; and Richter, Gerhard, 4,853,091, Cl. 204-1.00T.
Munz, Dieter, 4,805,078, Cl. 363-17.000.
Musiol, Werner; Knecht, Klaus; and Henzel, Norbert, 4,847,042, Cl. 376-316.000.
Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, 4,823,773, Cl. 128-24.00A.
Naser, Georg; Reichenberger, Helmut; and Schwark, Hubert, 4,840,166, Cl. 128-24.00A.
Naser, Georg; and Reichenberger, Helmut, 4,844,079, Cl. 128-660.030.
Naser, Georg; Reichenberger, Helmut; and Schlee, Karl-Heinz, 4,878,488, Cl. 128-24.00A.
Nassler, Peter, 4,879,750, Cl. 381-68.600.
Nebhuth, Thomas; and Loehner, Herbert, 4,841,672, Cl. 49-25.000.
Neppl, Franz; and Mazure-Espejo, Carlos-Alberto, 4,803,179, Cl. 437-70.000.
Neppl, Franz; and Winnerl, Josef, 4,855,245, Cl. 437-31.000.
Neppl, Franz; and Schwabe, Ulrich, 4,874,717, Cl. 437-59.000.
Neppl, Franz; and Winnerl, Josef, 4,884,117, Cl. 357-43.000.
Nerowski, Georg; Piepenbreier, Bernhard; and Toelle, Hans-Jurgen, 4,890,181, Cl. 361-18.000.
Neubauer, Hans R., 4,842,486, Cl. 417-53.000.
Neugebauer, Dieter, 4,801,864, Cl. 324-62.000.
Neulinger, Franz; Schummer, Helmut; Donig, Gerhard; and Schmidt, Walter, 4,873,620, Cl. 363-57.000.
Neupauer, Elfriede, 4,873,619, Cl. 363-51.000.
Neupauer, Helmut, deceased, 4,887,200, Cl. 363-81.000.
Niederhuefner, Detlev; Hahn, Guenter; and Baczymalski, Andrzej, 4,876,417, Cl. 200-48.00V.
Niedermayr, Erich; and Griessbach, Robert, 4,880,992, Cl. 250-561.000.
Niestegge, Gerd, 4,833,669, Cl. 370-58.000.
Nilsson, Kenth, 4,890,122, Cl. 346-140.00R.
Noack, Dieter; Bruchmann, Bernd; and Punger, Michael, 4,831,220, Cl. 200-148.00G.
Noll, Tobias; and Ulbrich, Walter, 4,819,198, Cl. 364-787.000.
Noll, Tobias; and Ulbrich, Walter, 4,839,850, Cl. 364-787.000.
Nolting, Hans-Peter; Heidrich, Helmut; and Hoffmann, Detlef, 4,832,431, Cl. 350-96.140.
Noske, Erich; Pfeiler, Manfred; and Reichenberger, Helmut, 4,836,191, Cl. 128-24.00A.
Nossek, Josef A.; Sebald, Georg; Lankl, Berthold; and Boshold, Klaus, 4,800,572, Cl. 375-14.000.
Oestreich, Ulrich; Schoeber, Gernot; and Sutor, Norbert, 4,814,116, Cl. 264-1.500.
Oestreich, Ulrich, 4,822,132, Cl. 350-96.230.

Oestreich, Ulrich, 4,838,635, Cl. 350-96.230.
Oestreich, Ulrich; and Giebel, Wolfgang, 4,841,103, Cl. 174-70.00S.
Oestreich, Ulrich, 4,861,525, Cl. 264-1.500.
Ohlendorf, Guenter; and Elvidge, James, 4,845,737, Cl. 379-30.000.
Oitzl, Erich; and Haas, Manfred, 4,829,302, Cl. 341-165.000.
Operschall, Hermann; and Weber, Robert, 4,818,472, Cl. 376-260.000.
Oppelt, Arnulf; Klose, Uwe; Ladebeck, Ralf; and Hentschel, Dietmar, 4,801,884, Cl. 324-309.000.
Oppelt, Arnulf; Fischer, Hubertus; and Barfuss, Helmut, 4,825,159, Cl. 324-309.000.
Otto, Klaus; Moser, Thomas; Kippenberg, Horst; and Ross, Erich, 4,829,399, Cl. 361-321.000.
Pammer, Erich, 4,811,170, Cl. 361-400.000.
Pascher, Helmut, 4,822,955, Cl. 174-102.00R.
Pausch, Guenther, 4,879,538, Cl. 335-298.000.
Payer, Ernst; and Schierl, Hans, 4,860,368, Cl. 381-159.000.
Pekruhn, Wolfgang; Kaiser, Ralf; and Kirchhoff, Hartmut, 4,887,092, Cl. 346-1.100.
Pelzl, Leo; Seidel, Peter; and Zell, Karl, 4,884,975, Cl. 439-78.000.
Peppel, Michael, 4,853,834, Cl. 363-54.000.
Pfeiffer, Joachim; Guenther, Werner; Muether, Manfred; and Heubeck, Erich, 4,878,234, Cl. 378-40.000.
Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, 4,829,658, Cl. 29-603.000.
Pichler, Alfred; Hertrampf, Joachim; and Pachonik, Horst, 4,856,181, Cl. 29-603.000.
Pichler, Klaus; Kunze, Dieter; Rost, Jan; and Haeder, Wolfgang, 4,808,772, Cl. 174-92.000.
Pichler, Klaus, 4,839,472, Cl. 174-92.000.
Pichler, Klaus; and Bachel, Ernst, 4,845,314, Cl. 174-92.000.
Pichler, Klaus; and Kunze, Dieter, 4,861,946, Cl. 174-92.000.
Pietzsch, Joachim, 4,868,896, Cl. 455-619.000.
Plihal, Manfred, 4,835,575, Cl. 357-30.000.
Poehnitzsch, Guenter, 4,839,867, Cl. 365-222.000.
Pohl, Fritz; and Harr, Dieter, 4,860,146, Cl. 361-42.000.
Pohl, Peter, 4,799,758, Cl. 350-96.20R.
Porst, Alfred; Miller, Gerhard; and Feldvoss, Mario, 4,816,984, Cl. 363-56.000.
Pospischil, Reginhard; Breitfelder, Peter; and Timmermann, Uwe, 4,797,875, Cl. 370-92.000.
Pospischil, Reginhard, 4,807,290, Cl. 380-43.000.
Pospischil, Werner; and Hartwig, Guenter, 4,862,742, Cl. 73-161.000.
Prey, Gerhard, 4,837,810, Cl. 379-242.000.
Prietzel, Gunter; Sprenger, Georg; and Kugler, Reinhard, 4,802,059, Cl. 361-361.000.
Probst, Harald, 4,833,569, Cl. 361-388.000.
Prodell, Peter, 4,882,662, Cl. 362-290.000.
Queiser, Horst; Meininger, Siegfried; Kleinschroth, Karl-Heinz; and Bege, Dietmar, 4,847,007, Cl. 252-628.000.
Quittkat, Joerg; and Thiel, Gerhard, 4,882,539, Cl. 324-229.000.
Radtke, Wolfgang; and Soethout, Freddie, 4,807,523, Cl. 98-2.150.
Rattner, Manfred; and Noske, Erich, 4,819,638, Cl. 128-328.000.
Rausch, Robert, 4,825,317, Cl. 360-102.000.
Reczek, Werner; and Winnerl, Josef, 4,798,974, Cl. 307-296.00R.
Reichbauer, Hermann; Mueller, Rudi; and Riccato, Aldo, 4,881,074, Cl. 340-825.050.
Reichenberger, Helmut; Naser, Georg; and Jahn, Helmut, 4,813,402, Cl. 108-24.00A.
Reichenberger, Helmut; and Naser, Georg, 4,813,415, Cl. 128-328.000.
Reichenberger, Helmut, 4,834,074, Cl. 128-24.00A.
Reichenberger, Helmut; and Schittenhelm, Rudolf, 4,879,993, Cl. 128-24.00A.
Reichert, Hansjoerg; Scharf, Ludwig; and Deckers, Margarete, 4,808,542, Cl. 437-20.000.
Reichert, Hansjoerg; Scharf, Ludwig; Goedecke, Heidemarie; and Wedlcih, Herbert, 4,888,301, Cl. 437-72.000.
Reichert, Hansjorg, 4,863,556, Cl. 156-628.000.
Reimann, Udo; and Liegl, Werner, 4,843,467, Cl. 358-135.000.
Reinfelder, Hans-Erich, 4,857,734, Cl. 250-327.200.
Reisenweber, Walter, 4,818,910, Cl. 310-233.000.
Requardt, Hermann, 4,825,164, Cl. 324-322.000.
Riermeier, Manfred; and Schuber, Viktor, 4,838,951, Cl. 136-251.000.
Ries, Guenter, 4,812,796, Cl. 335-299.000.
Riesmeyer, Juergen, 4,809,322, Cl. 379-380.000.
Riesmeyer, Juergen, 4,841,568, Cl. 379-380.000.
Rochling, Hans; and Schlee, Karl H., 4,803,671, Cl. 367-166.000.
Roempp, Claus, 4,887,261, Cl. 370-84.000.
Roessler, Bernward; and Wolter, Eberhard, 4,814,637, Cl. 307-268.000.
Roessler, Bernward; and Wolter, Eberhard, 4,820,998, Cl. 330-258.000.
Roessler, Bernward, 4,853,698, Cl. 341-150.000.
Roll, Karl-Fritz, 4,888,668, Cl. 362-291.000.
Roloff, Herbert F., 4,811,071, Cl. 357-34.000.
Rose, Harald, 4,853,545, Cl. 250-396.00R.
Rothkegel, Bernhard; and Haufe, Wolfgang, 4,855,104, Cl. 419-28.000.
Rudolf, Hans-Werner; Stader, Harald; Wingerath, Norbert; and Lechner, Robert, 4,858,226, Cl. 370-58.000.
Rupp, Gunter, 4,847,161, Cl. 428-450.000.
Saell, Goesta; and Hirschberg, Jakub, 4,840,580, Cl. 439-431.000.
Saffer, Edmund, 4,890,311, Cl. 378-99.000.
Sauer, Anton; Schmidtke, Frank; and Thinschmidt, Hans, 4,832,434, Cl. 350-96.160.
Saugeon, Ulrich; Hetzel, Gert; and Hiller, Dietmar, 4,829,491, Cl. 367-103.000.
Schaber, Hans-Christian; and Meul, Hans-Willi, 4,829,015, Cl. 437-31.000.
Schabert, Hans-Peter, 4,883,414, Cl. 418-57.000.
Schaefer, Willi, 4,795,142, Cl. 269-322.000.
Schaefer, Willi, 4,856,741, Cl. 248-122.000.
Scheibe, Adolf, 4,806,500, Cl. 437-57.000.
Schewe, Herbert; Stephani, Dietrich; and Lenhart, Armin, 4,843,507, Cl. 360-125.000.
Schifferl, Ludwig, 4,889,101, Cl. 123-494.000.
Schiller, Kurt; Luger, Johann; Schierl, Hans; and Kallhardt, Heinrich, 4,868,876, Cl. 379-437.000.
Schimpe, Robert, 4,869,568, Cl. 350-96.120.
Schink, Helmut, 4,839,607, Cl. 330-5.500.
Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.
Schmettow, Dieter; and Ries, Guenter, 4,833,433, Cl. 335-216.000.
Schmidt, Helmut; and Hahnel, Peter, 4,867,581, Cl. 384-517.000.
Schmidt, Lothar; Schaich, Gerhard; and Ernst, Wolfram, 4,821,256, Cl. 370-13.000.
Schmidt, Lothar; and Jugel, Alfred, 4,873,694, Cl. 370-58.100.
Schmidt, Rolf; and Schierling, Hubert, 4,884,023, Cl. 324-158.0MG.
Schmitt, Manfred, 4,795,980, Cl. 324-423.000.
Schmitt, Wolfgang; and Bege, Dietmar, 4,888,818, Cl. 324-439.000.
Schneider, Hartmut, 4,795,228, Cl. 350-96.180.
Schneider, Hartmut; and Schoberth, Achim, 4,842,627, Cl. 65-3.200.
Schneider, Siegfried, 4,889,124, Cl. 128-653.000.
Schober, Konrad, 4,823,073, Cl. 324-62.000.
Schoenwald, Siegfried, 4,836,241, Cl. 137-494.000.
Schonwald, Siegfried, 4,806,073, Cl. 415-53.00T.
Schramm, Herbert, 4,803,693, Cl. 372-58.000.
Schreiber, Hans, 4,797,611, Cl. 324-208.000.
Schrenk, Hartmut, 4,814,849, Cl. 357-74.000.
Schrenk, Hartmut, 4,819,202, Cl. 364-900.000.
Schrenk, Hartmut, 4,819,204, Cl. 364-900.000.
Schrenk, Hartmut, 4,835,742, Cl. 365-189.070.
Schroedinger, Karl, 4,801,818, Cl. 307-269.000.
Schultes, Helmut, 4,872,436, Cl. 123-339.000.
Schultz, Ludwig, 4,844,751, Cl. 148-105.000.
Schulze, Hans-Joachim; and Kuhnert, Reinhold, 4,820,656, Cl. 437-169.000.
Schulze-Kahleyss, Rainer, 4,846,347, Cl. 206-332.000.
Schuster, Bernd; and Martin, Horst, 4,864,565, Cl. 370-105.100.
Schwarzbauer, Herbert, 4,810,672, Cl. 437-209.000.
Seeger, Helmut; Leichum, Axel; and Maher, Anthony, 4,853,957, Cl. 379-279.000.
Seen, Manfred; and Kretschmann, Heinz-Peter, 4,845,756, Cl. 381-77.000.
Seibert, Rudolf; and Cramer, Claus, 4,890,003, Cl. 307-66.000.
Seidel, Peter; Pelzl, Leo; and Zell, Karl, 4,840,573, Cl. 439-92.000.
Seidel, Werner; and Kandler, Walter, 4,868,978, Cl. 29-835.000.
Seinecke, Siegfried, 4,847,553, Cl. 324-158.00P.
Sichart, Frithjof V.; Hollstein, Christian; and Kirchberger, Klaus, 4,852,097, Cl. 371-37.000.
Siebold, Horst; and Strahwald, Franz, 4,799,017, Cl. 324-319.000.
Siebold, Horst; and Ries, Gunter, 4,876,510, Cl. 324-318.000.
Siebold, Horst, 4,881,035, Cl. 324-320.000.
Sittig, Roland, 4,803,172, Cl. 437-6.000.
Sklebitz, Hartmut, 4,817,125, Cl. 378-152.000.
Sliva, Eduard; and Stark, Wolfgang, 4,818,841, Cl. 219-121.830.
Soelkner, Gerald, 4,857,836, Cl. 324-96.000.
Solar, Josef, 4,870,540, Cl. 361-327.000.
Sonntag, Fritz; and Lang, Hermann, 4,820,994, Cl. 328-155.000.
Spaeth, Werner; Waitl, Guenther; Kuhlmann, Werner; Althaus, Hans-Ludwig; Birkmann, Rolf; Klos, Waltraud; and Schubert, Axel, 4,875,750, Cl. 350-96.180.
Spenke, Eberhard; and Stoisiek, Michael, 4,884,114, Cl. 357-38.000.
Stauner, Jakob; and Stoss, Johannes, 4,848,406, Cl. 138-93.000.
Stein, Karl-Ulrich, 4,823,605, Cl. 73-727.000.
Stein, Karl-Ulrich, 4,851,695, Cl. 250-551.000.
Stein, Karl-Ulrich, 4,853,593, Cl. 313-500.000.
Sterk, Zvonimir, 4,844,274, Cl. 220-3.000.
Sterk, Zvonimir, 4,883,036, Cl. 122-383.000.
Stich-Baumeister, Eva-M.; Dohnke, Karl-Otto; and Winnacker, Albrecht, 4,872,759, Cl. 356-432.000.
Stockel, Gunter, 4,818,993, Cl. 340-825.060.
Stockl, Klaus, 4,840,429, Cl. 297-409.000.
Stoss, Johannes, 4,844,021, Cl. 122-392.000.
Strandberg, Hans, 4,886,064, Cl. 128-419.0PG.
Strasser, Karl, 4,844,992, Cl. 429-34.000.
Straussmann, Juergen, 4,836,317, Cl. 178-2.00R.
Strehl, Herbert, 4,807,032, Cl. 358-166.000.
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Stummer, Baldur, 4,807,221, Cl. 370-102.000.
Swart, Marten, 4,804,859, Cl. 307-105.00B.
Thinschmidt, Hans; and Kurfess, Franz, 4,809,363, Cl. 455-612.000.

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Tratz, Herbert; Riedle, Klaus; and Loesel, Georg, 4,878,440, Cl. 110-233.000.
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Tressl, Guenther; and Conrad, Bernhard, 4,827,129, Cl. 250-327.200.
Trimborn, Peter, 4,817,265, Cl. 29-527.600.
Trumpp, Gerhard, 4,837,778, Cl. 375-4.000.
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Vache, Peter; and Rieck, Norbert, 4,869,681, Cl. 439-341.000.
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Von Raben, Klaus U.; and Ludwig, Rupert, 4,806,193, Cl. 156-278.000.
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Weiser, Josef; and Lueneburger, Klaus, 4,827,234, Cl. 335-270.000.
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Wiertzfeld, Alexander; and Heinze, Roland, 4,870,968, Cl. 128-419.0PG.
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Winzer, Gerhard; Maerz, Reinhard; and Stoll, Lothar, 4,860,294, Cl. 372-7.000.
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Wolf, Gerhard, 4,799,149, Cl. 364-200.000.
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Wurzenberger, Johann F., 4,823,389, Cl. 380-23.000.
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Zabel, Hans J.; Bader, Reiner; and Lorenz, Walter, 4,816,766, Cl. 324-318.000.
Zabel, Hans-Joachim; and Lorenz, Walter, 4,835,472, Cl. 324-318.000.
Zehner, Bernd; Matthiesen, Fred; Schoebinger, Matthias; and Totzek, Ulrich, 4,864,397, Cl. 358-136.000.
Zehner, Bernd; Matthiesen, Fred; Schoebinger, Matthias; and Totzek, Ulrich, 4,866,518, Cl. 358-135.000.
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Zibis, Peter; and Pahl, Wolfgang, 4,803,448, Cl. 333-151.000.
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Hendel, Horst, 4,810,831, Cl. 174-52.300.
Lauper, Alfred; and Steffen, Andreas, 4,812,771, Cl. 328-109.000.

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Grieb, John H.; Joseph, J. M.; Weaver, Richard D.; and Baia, George T., 4,854,024, Cl. 29-156.70R.
Hensley, Thomas E.; and Slack, Gary L., 4,884,782, Cl. 251-129.150.
Imoehl, William J., 4,850,319, Cl. 123-361.000.
Imoehl, William J., 4,869,220, Cl. 123-399.000.
Lee, Ki W., 4,870,745, Cl. 29-610.100.
Lee, Ki W.; and Cook, Charles R., Jr., 4,884,443, Cl. 73-204.160.
Lee, Ki W.; and Choi, Il-Hyun, 4,888,988, Cl. 73-204.260.
Sapienza, Samuel J., IV, 4,872,426, Cl. 123-90.150.
Sapienza, Samuel J., IV; van Vuuren, Willem N. J.; Shirey, Benjamin G.; and Wakeman, Russell J., 4,878,461, Cl. 123-90.150.
Taxon, Morse N., 4,858,956, Cl. 251-129.070.
Wakeman, Russell J., 4,887,562, Cl. 123-90.120.
Wright, Danny O.; and Wiggins, Kregg S., 4,823,130, Cl. 341-157.000.
Wright, Danny O.; and Wiggins, Kregg S., 4,855,660, Cl. 318-696.000.

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Cook, John E., 4,850,384, Cl. 137-14.000.
DeJong, Allan W.; and Perry, Paul D., 4,874,010, Cl. 137-484.40
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Siemens Energy & Automation, Inc.: *See—*
Ayers, Curtis J.; Morgan, Janerio N.; and May, William E., 4,801,910, Cl. 335-230.000.
Boyd, Donald R., 4,876,521, Cl. 335-179.000.
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Leone, David A.; and Buxton, Clifford A., 4,866,225, Cl. 200-144.00R.
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Pardue, Von G.; May, William E.; and Green, Jerry M., 4,833,564, Cl. 361-93.000.
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Siemens Gammasonics, Inc.: *See—*
Gosis, Anatoly I.; and Fialko, Margaret, 4,865,284, Cl. 248-187.00
Hawman, Eric G., 4,849,638, Cl. 250-363.020.
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Knoll, Glenn F.; Strange, Donald R.; and Bennett, Matthew C., Jr., 4,817,038, Cl. 364-413.240.
Persyk, Dennis E.; and White, William, 4,810,885, Cl. 250-363.0
Persyk, Dennis E.; and Hamill, James J., 4,879,465, Cl. 250-363.0

Siemens Hearing Instruments, Inc.: *See—*
Tweedle, Allan F., 4,860,362, Cl. 381-69.000.

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Barthelmes, Norbert, 4,803,368, Cl. 250-385.100.
Kim, Jin H., 4,800,891, Cl. 128-661.090.
Stieber, Volker, 4,8[illegible]5,371, Cl. 250-505.100.

Siemens Medical Systems, Inc.: *See—*
Dax, Mark, 4,852,1[illegible], Cl. 378-132.000.
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Siemens-Pacesetter, Inc.: *See—*
Causey, James D., III; Schloss, Harold C.; and Snell, Jeffrey D., 4,809,697, Cl. 128-419.0PT.
Cohen, Donald M.; Barcel, James E.; and Hooven, Michael D., 4,815,469, Cl. 128-634.000.
Crawford, Keith F., 4,848,346, Cl. 128-419.00P.
Ekwall, Christer, 4,827,934, Cl. 128-419.0PG.
Elliott, Clyde D.; and Cohen, Donald M., 4,884,567, Cl. 128-303.00R.
Long, Ronald J., 4,884,345, Cl. 33-1.00C.
Mann, Brian M.; and Buchanan, Stuart W., 4,825,870, Cl. 128-419.0PG.
Sholder, Jason A., 4,817,605, Cl. 128-419.0PT.
Sholder, Jason A.; Mann, Brian M.; and Florio, Joseph J., 4,856,523, Cl. 128-419.0PG.
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Siemens Telecommunicazioni S.p.A.: *See—*
Buoli, Carlo, 4,875,025, Cl. 333-230.000.
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Bender, Bruce D., 4,809,324, Cl. 379-412.000.
Butcher, James S., 4,847,870, Cl. 375-87.000.
Gorshe, Steven S., 4,853,931, Cl. 371-55.000.
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Virdee, Nirmal S.; and Baradaran, Hamid R., 4,870,730, Cl. 375-106.000.
Virdee, Nirmal S., 4,887,071, Cl. 340-659.000.

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Siemer, Dennis K. Method and apparatus for testing tape bond strength. 4,888,985, 12-26-89, Cl. 73-150.00A.

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Siemon, John A.; and Early, Richard, 4,834,669, Cl. 439-395.000.
Siemon, John A.; and Reed, Brian E., 4,883,430, Cl. 439-510.000.
Siemon, John A., to Siemon Company, The. Sneak current protector with fuse. 4,820,195, 4-11-89, Cl. 439-510.000.
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Siempelkamp Giesserei GmbH & Co.: *See—*
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Siems, Hans-Dieter: *See—*
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Siems, Wolfgang, to Korber AG. Method of and machine for simultaneously making two or more rods from fibrous material. 4,848,369, 7-18-89, Cl. 131-84.400.
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Sieper, Steven B. Compression, deformation, dehydration method of fabrication and implantation of an expansile, hydrogel intraocular lens. 4,813,954, 3-21-89, Cl. 623-6.000.
Sierk, Anthony H. Combination range pole and bubble-level therefor. 4,879,816, 11-14-89, Cl. 33-295.000.

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Sieverding, David L. Polycaprolactone modeling and molding compositions. 4,835,203, 5-30-89, Cl. 524-227.000.
Sieverding, David L. Decorative foils and decals. 4,857,401, 8-15-89, Cl. 428-336.000.
Sieverman, Terry L. Electrical plug lock apparatus. 4,812,131, 3-14-89, Cl. 439-134.000.

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Sievers, Robert K., to United States of America, Energy. Stacked vapor fed amtec modules. 4,808,240, 2-28-89, Cl. 136-202.000.

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SIFCO Industries, Inc.: *See—*
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Siffer, Arthur M.: *See—*
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Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, to Hitachi, Ltd. Gas turbine having components composed of heat resistant steel. 4,850,187, 7-25-89, Cl. 60-39.370.
Sigai, A. Gary; and Taubner, Fred R., to GTE Laboratories Incorporated; and GTE Products Corporation. Reprographic aperture lamps having improved maintenance. 4,797,594, 1-10-89, Cl. 313-488.000.
Sigai, A. Gary; Alexander, Michael N.; and Struck, Charles W., to GTE Laboratories Incorporated. Process for producing lanthanum cerium aluminate phosphors. 4,818,433, 4-4-89, Cl. 252-301.40R.
Sigai, A. Gary, to GTE Laboratories Incorporated. Phosphor particle, fluorescent lamp, and manufacturing method. 4,825,124, 4-25-89, Cl. 313-486.000.
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Sigal, Richard F., to Amoco Corporation. Method of magnetotelluric exploration using a zigzag array. 4,862,089, 8-29-89, Cl. 324-350.000.

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Sigg, Hans, to Meseltron S.A. Wireless arrangement for controlling the speed of advance of a tool toward a workpiece. 4,831,785, 5-23-89, Cl. 51-165.00R.
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Ecoffey, Olivier; Mueller, Theodore; and Sigg, Hans, 4,876,883, Cl. 73-37.500.

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  - Cole, Francis X.; Davis, Gene; and Sigilio, Eric, 4,859,612, Cl. 436-523.000.
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- Sigl, Wayne C., to Kimberly-Clark Corporation. Lotioned tissue ply. 4,806,418, 2-21-89, Cl. 428-284.000.
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- Sigle, Arris A. Leveling linkage for planter units. 4,846,084, 7-11-89, Cl. 111-136.000.
- Sigler, Gerald F., to Hoechst Celanese Corporation. Biotinylating agents. 4,798,795, 1-17-89, Cl. 435-177.000.
- Sigler, James; Sprang, Richard W.; Bailey, Ronald J.; and McKiernan, Edward, to Sealand Technology, Inc. Vacuum toilet system. 4,819,279, 4-11-89, Cl. 4-300.000.
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  - McKiernan, Edward F.; Sigler, James; Sprang, Richard; Lewellen, Richard; and Geis, Mark, 4,854,827, Cl. 417-313.000.
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  - Starkweather, William H., 4,816,244, Cl. 424-3.000.
- Sigma Enterprises, Incorporated: *See—*
  - Hagiwara, Takashi, 4,805,907, Cl. 273-138.00A.
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  - Manabe, Katsuki, 4,869,505, Cl. 273-142.00R.
- Sigma, Incorporated: *See—*
  - Nakamura, Kikuo, 4,874,172, Cl. 273-143.00R.
- Sigma Instruments, Inc.: *See—*
  - Beling, Thomas E., 4,859,925, Cl. 323-210.000.
  - Gamble, John G., 4,864,264, Cl. 335-234.000.
- Sigma Research, Inc.: *See—*
  - Franklin, James L., 4,798,056, Cl. 62-235.100.
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  - Baglioni, Alessandro, 4,882,349, Cl. 514-423.000.
  - Cavazza, Claudio; De Witt, Paolo; and Tinti, Maria O., 4,859,698, Cl. 514-443.000.
  - Foresta, Piero; Ghirardi, Orlando; Gabetta, Bruno; and Cristoni, Aldo, 4,879,376, Cl. 536-18.100.
  - Tinti, Maria O.; and Misiti, Domenico, 4,806,282, Cl. 260-501.130.
  - Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,812,478, Cl. 514-550.000.
  - Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, 4,868,211, Cl. 514-550.000.
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  - Bishop, Jerry B., 4,820,140, Cl. 418-152.000.
- Sigmaform Corporation: *See—*
  - Dibble, Gary L.; Reynolds, James H.; and Stene, Susan L., 4,804,338, Cl. 439-583.000.
- Sigman, Susan J.; and Meade, Paula A., to Bristol-Myers Company. Fluoride supplement calculator. 4,882,472, 11-21-89, Cl. 235-88.00R.
- Sigman, William T.: *See—*
  - Bolgiano, Nicholas C.; Grubb, Mary B.; Hudson, Raymond S.; and Sigman, William T., 4,855,165, Cl. 427-393.500.
- Sigmex Limited: *See—*
  - Elgood, Mark C.; and Jales, Richard J., 4,829,291, Cl. 340-703.000.
- Sigmon, Bernard E.; and Schmacher, Lawrence J., to Motorola, Inc. Passive stabilizer for a signal generating source. 4,843,347, 6-27-89, Cl. 331-88.000.
- Sigmond, Emod: *See—*
  - Szucs, Laszlo; Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, 4,813,237, Cl. 60-670.000.
- Sigmund, Janet M.: *See—*
  - Schwartz, Robert E.; Hirsch, Charles F.; Sigmund, Janet M.; and Pettibone, Douglas J., 4,803,217, Cl. 514-409.000.
- Sigmund, Jerry A., to Scott Paper Company. Two large roll toilet tissue dispenser. 4,872,601, 10-10-89, Cl. 225-38.000.
- Sigmund, Sandra K.: *See—*
  - Jungheim, Louis N.; and Sigmund, Sandra K., 4,826,992, Cl. 548-359.000.
  - Marshall, Winston S.; Sigmund, Sandra K.; and Whitesitt, Celia A., 4,820,722, Cl. 514-381.000.
- Sign-D-Sign A/S: *See—*
  - Teisen-Simony, Claude F. P., 4,813,197, Cl. 52-785.000.
- Sign-up Corporation: *See—*
  - Stoudt, Theodore L., 4,865,287, Cl. 248-513.000.
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  - Ogilvie, David P., 4,870,769, Cl. 40-564.000.
- Signal Communications Corporation: *See—*
  - Hendershot, James R., 4,817,126, Cl. 379-58.000.
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  - Kulp, Jack H.; and Erwin, Carl L., 4,859,983, Cl. 340-908.100.
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  - Friedman, Joseph S.; King, John P.; and Pride, Joseph P., III, 4,888,593, Cl. 342-387.000.
- Signaltechnik GmbH: *See—*
  - Berndt, Dietmar, 4,820,057, Cl. 374-141.000.
- Signatone Corporation: *See—*
  - Nolan, Charles C.; and Sahr, Stuart, 4,845,426, Cl. 324-158.00F.
- Signatron, Inc.: *See—*
  - Mahoney, Paul F., 4,805,189, Cl. 375-10.000.
  - Mahoney, Paul F., 4,851,853, Cl. 342-174.000.
- SignComp, Inc.: *See—*
  - Kovalak, Judson L., Jr., 4,802,296, Cl. 40-607.000.
  - Kovalak, Judson L., Jr., 4,817,317, Cl. 40-603.000.
- Signet Scientific Company: *See—*
  - Pounder, Edwin, 4,813,443, Cl. 137-1.000.
- Signetics Corporation: *See—*
  - Hariton, Dan I.; and Shah, Prasanna M., 4,845,466, Cl. 340-310.00R.
  - MacKenna, Craig A.; and Li, Jan-Kwei J., 4,878,181, Cl. 364-518.000.
  - Mahmud, Syed T., 4,804,870, Cl. 307-482.000.
  - Simmons, George H., 4,868,628, Cl. 357-43.000.
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  - Heard, Robert A. H., 4,801,115, Cl. 248-219.300.
- Signlite Services, Inc.: *See—*
  - DesNoyers, Daniel P.; Greer, Michael E.; and Aguallo, Albert J., 4,843,746, Cl. 40-607.000.
- Signode Corporation: *See—*
  - Tremper, Donald R.; and Pearson, Timothy B., 4,825,512, Cl. 24-20.0EE.
- Signode System GmbH: *See—*
  - Eckel, Hans-Joachim; and Warych, Hans, 4,877,673, Cl. 428-172.000.
  - Warych, Hans, 4,874,095, Cl. 206-586.000.
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  - Wright, Norman D.; Glanzner, Gary C.; and Signorelli, John A., 4,875,412, Cl. 101-425.000.
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  - Tedesco, Raffaele; Bocus, Socrate; and Signoretti, Luigi, 4,820,585, Cl. 428-360.000.
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  - Palla, Ottorino; Camaggi, Giovanni; Gozzo, Franco; Menconi, Augusto; and Signorini, Ernesto, 4,810,281, Cl. 71-90.000.
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  - Jungels, Erwin; Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,795,057, Cl. 220-401.000.
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- Sigwardt, Peter L.: *See—*
  - Redus, Clifford L.; Chien, Sze-Foo; and Sigwardt, Peter L., 4,836,032, Cl. 73-861.040.
- Sigworth, Geoffrey K., to KB Alloys, Inc. Third element additions to aluminum-titanium master alloys. 4,812,290, 3-14-89, Cl. 420-552.000.
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- Sih, John C., to Upjohn Company, The. Pyridyl-substituted benzothiophenes. 4,855,435, 8-8-89, Cl. 546-274.000.
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  - Heyland, Sven; Rolli, Karl; Roschli, David; and Sihver, Jaak J., 4,879,130, Cl. 426-533.000.
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  - Peterson, Gary R.; and Horton, M. Duane, 4,797,241, Cl. 264-63.000.
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- Siitari, David W.: *See—*
  - Funkenbusch, Arnold W.; and Siitari, David W., 4,822,675, Cl. 428-336.000.
- Sijbers, Peter J. M.: *See—*
  - Van Dongen, Frederik; and Sijbers, Peter J. M., 4,811,391, Cl. 379-387.000.
- Sijmons, Eric: *See—*
  - Castelli, Renato; Van Hoye, Willy; Sijmons, Eric; Mossel, Henk; and Nowacki, Jean M., 4,844,214, Cl. 190-103.000.
- Sijstermans, Fransiscus W.: *See—*
  - Oerlemans, Adrianus C. M.; and Sijstermans, Fransiscus W., 4,816,995, Cl. 364-200.000.
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  - Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
- Sikina, Thomas V., Jr., to Chu Associates, Inc. Ultra-broadband linearly polarized biconical antenna. 4,835,542, 5-30-89, Cl. 343-802.000.
- Sikirica, Stephen J.: *See—*
  - Schultz, Thomas J.; Horne, Deane A.; Sikirica, Stephen J.; and Bender, James W., 4,805,881, Cl. 266-257.000.
- Sikirov, Berko. Sanitary appliance. 4,819,277, 4-11-89, Cl. 4-254.000.
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- Sikking, Arjan: *See—*
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  - Meier, Otto; Sadek, Kurt; Sikoronja, Zvonko; and Schroder, Johann, 4,799,364, Cl. 62-342.000.
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  - Huether, Werner; Rossman, Axel; and Sikorski, Siegfried, 4,878,821, Cl. 415-9.000.
- Silar, Zdenek: *See—*
  - Burvenek, Frantisek; Sloupensky, Jiri; Boucek, Miroslav; Hortlik, Frantisek; Bace, Jiri; Silar, Zdenek; and Kutlvasr, Jiri, 4,821,502, Cl. 57-263.000.
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- Silas, Letha. Teaching aids. 4,856,998, 8-15-89, Cl. 434-210.000.
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  - VanderPol, Jerald; Pfafman, Neil; and Silber, Cory J., 4,802,278, Cl. 30-97.000.
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- Silber, Gerard: *See—*
  - Gosse, Dominique; and Silber, Gerard, 4,848,810, Cl. 292-129.000.
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- Silberberg, Joseph, to Chesebrough-Pond's Inc. Molded plastic container with living hinges. 4,815,608, 3-28-89, Cl. 132-295.000.
- Silberberg, Yaron; and Smith, Peter W., to Bell Communications Research, Inc. Integrated all-optical switching devices. 4,856,860, 8-15-89, Cl. 350-96.120.
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- Silberline Manufacturing Co., Inc.: *See—*
  - Kondis, Tom, 4,808,231, Cl. 106-404.000.
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- Silbermann, Joseph: *See—*
  - Burchill, Michael T.; Rafiei, Maryam; and Silbermann, Joseph, 4,868,011, Cl. 427-160.000.
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  - Fry, Rupert J., Jr.; and Silbernagel, Raymond A., 4,842,550, Cl. 439-471.000.
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- Siler, Sall J.: *See—*
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- Silhavy, Premysl: *See—*
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- Silhouette Technology, Inc.: *See—*
  - Dwyer, Eugene J., 4,829,339, Cl. 355-20.000.
- Silicon Connections Corporation: *See—*
  - Burke, Gary R., 4,875,003, Cl. 324-73.00R.
  - Ruth, Robert N., Jr., 4,845,385, Cl. 307-446.000.
- Silicon General, Inc.: *See—*
  - Johnson, Steven; and Warren, Toney, 4,849,993, Cl. 375-108.000.
  - Regnier, Gerard S., 4,812,781, Cl. 330-254.000.
- Silicon Systems, Inc.: *See—*
  - Agazzi, Oscar; Cole, Chris; and Levy, Steve, 4,866,739, Cl. 375-106.000.
  - Hedberg, Dave; Hurst, Paul; and Levy, Steve, 4,847,868, Cl. 375-75.000.
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  - Evans, Joseph M., 4,844,105, Cl. 134-57.00R.
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  - Blanchard, Richard A.; and Cogan, Adrian, 4,816,882, Cl. 357-23.400.
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  - Geekie, James, 4,843,027, Cl. 437-63.000.
  - Harnden, James A., 4,841,166, Cl. 307-246.000.
  - Hill, Lorimer K.; Harnden, James A.; and Concklin, Barry J., 4,853,563, Cl. 307-475.000.
  - Williams, Richard K.; Bolger, Steven H.; and Rothacher, Duane J., 4,890,146, Cl. 357-23.800.
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  - Mazzucco, Michelangelo; Poletto, Vanni; and Siligoni, Marco, 4,835,490, Cl. 330-285.000.
  - Pasetti, Mauro; and Siligoni, Marco, 4,797,917, Cl. 379-253.000.
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  - Bustos, Ricardo A., 4,840,629, Cl. 623-8.000.
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  - Rodrigo, Richard D., 4,860,159, Cl. 361-212.000.
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Simkins, Laura J.: *See—*
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Simko, Bryant. Fishing rod holder. 4,848,021, 7-18-89, Cl. 43-21.200.

Simko, Frank A., Jr. Solar collectors. 4,846,151, 7-11-89, Cl. 126-441.000.

Simko, Richard T., to Information Storage Devices. High density integrated circuit analog signal recording and playback system. 4,890,259, 12-26-89, Cl. 365-45.000.

Simkus, John J.; and Dell, George, to Simkus, John J. Random number generator. 4,819,818, 4-11-89, Cl. 273-138.00A.

Simmat, Fritz: *See—*
  Kreutzer, Karl; Simmat, Fritz; Steinkohl, Anton; and Englisch, Wolfgang, 4,842,628, Cl. 65-3.120.

Simmel Difesa S.p.A.: *See—*
  Andreetta, Rodolfo, 4,860,659, Cl. 102-473.000.

Simmering-Graz-Pauker Aktiengeselschaft: *See—*
  Zechner, Franz; and Stubenvoll, Josef, 4,859,440, Cl. 423-240.000.

Simmerman, Richard H.; and Wiederer, Gregg E., to Hanger-Tight Company. Garment hanger caddy. 4,887,727, 12-19-89, Cl. 211-124.000.

Simmet, Ludwig; and Simmet, Ludwig O. Instrument for the transfer of materials such as sperm and embryos. 4,865,589, 9-12-89, Cl. 604-171.000.

Simmet, Ludwig O.: *See—*
  Simmet, Ludwig; and Simmet, Ludwig O., 4,865,589, Cl. 604-171.000.

Simmler, Werner: *See—*
  Habermann, Wolfgang; Engelhardt, Hubert; Geiger, Wolfgang; Mayer, Udo; Hammes, Peter; and Simmler, Werner, 4,828,718, Cl. 210-763.000.

Simmon, Todd R. Chair for use in swimming pools. 4,837,869, 6-13-89, Cl. 4-496.000.

Simmonds, Leonard B.: *See—*
  Fort, Emil M.; and Simmonds, Leonard B., 4,842,539, Cl. 439-262.000.

Simmonds, Michael B.; and Sager, Ronald E., to Quantum Design. Apparatus and method for regulating temperature in a cryogenic test chamber. 4,848,093, 7-18-89, Cl. 62-49.100.

Simmonds Precision Products, Inc.: *See—*
  Brennan, Brian W., 4,845,357, Cl. 250-227.000.
  Brennan, Brian W., 4,870,270, Cl. 250-227.000.
  Ellinger, S. Michael; and Jones, Howard P., 4,815,323, Cl. 73-290.00V.
  Maier, Lawrence C., 4,802,360, Cl. 73-32.00A.
  Maier, Lawrence C., 4,841,227, Cl. 324-61.00R.
  Patriquin, Douglas R., 4,820,916, Cl. 250-227.000.
  Spillman, William B., Jr., 4,830,449, Cl. 350-96.150.
  Spillman, William B., Jr., 4,840,481, Cl. 356-32.000.
  Spillman, William B., Jr., 4,863,270, Cl. 356-345.000.
  Spillman, William B., Jr.; Rudd, Robert E., III; Ellinger, Michael E.; Patriquin, Douglas R.; and Kline, Bruce R., 4,863,274, Cl. 356-364.000.
  Spillman, William B., Jr.; Rudd, Robert E., III; Ellinger, Sylvester M.; Patriquin, Douglas R.; and Kline, Bruce R., 4,874,245, Cl. 356-364.000.
  Spillman, William B., Jr., 4,874,941, Cl. 250-237.00G.
  Wright, James R.; Hall, James R.; and Theobald, Keith D., 4,871,328, Cl. 439-589.000.

Simmonds, Raymond L.; and Greensall, Douglas A. Tool holder in or for an edge tool. 4,844,667, 7-4-89, Cl. 407-104.000.

Simmonds, Robin G.: *See—*
  Cullinan, George J.; Rowland, George F.; and Simmonds, Robin G., 4,845,200, Cl. 530-391.000.

Simmonds S.A.: *See—*
  Baglin, Michel, 4,826,374, Cl. 411-103.000.
  Frerejacques, Jean-Claude, 4,861,210, Cl. 411-411.000.
  Poupiter, Christian D., 4,863,327, Cl. 411-112.000.

Simmonds, Stephen M.: *See—*
  Rawlinson, Stephen J.; Nguyen, Quang H.; and Simmonds, Stephen M., 4,802,088, Cl. 364-200.000.

Simmons, Alden C.: *See—*
  Dinkha, Brian I.; Jasa, Paul B.; Seegmiller, Brian; and Simmons, Alden C., 4,850,278, Cl. 102-501.000.

Simmons, Arturo; Walsh, Shawn T.; and Roberts, Charles G., to Texas Instruments Incorporated. Electrostatic discharge protection using thin nickel fuse. 4,801,558, 1-31-89, Cl. 437-170.000.

Simmons, Bobby G. Method for recycling foamed solvents. 4,849,027, 7-18-89, Cl. 134-22.180.

Simmons, Clayton, to Kadan Enterprises, Inc. Tool apparatus. 4,848,979, 7-18-89, Cl. 407-103.000.

Simmons, Dana P., to Firmenich S.A. Cycloaliphatic aldehydes and process for the preparation thereof. 4,800,233, 1-24-89, Cl. 568-447.000.

Simmons, Daniel M. Darts having an anti-deflection apparatus. 4,858,927, 8-22-89, Cl. 273-416.000.

Simmons, Elmer, to Digital Equipment Corporation. Differential amplifier circuit. 4,806,792, 2-21-89, Cl. 307-357.000.

Simmons, Ethel D.; and Kudrow, Lee. Therapy pillow with removable therapeutic gel pack. 4,858,259, 8-22-89, Cl. 5-441.000.

Simmons, Eugene D.; Thomson, Graham C., III; and Reynaud, Richard J., to Rent, Ltd. High efficiency pump method and apparatus with hydraulic actuation. 4,861,239, 8-29-89, Cl. 417-383.000.

Simmons Fastener Corporation: *See—*
  Pufpaff, Frederick J., 4,823,978, Cl. 220-307.000.

Simmons, George H., to Signetics Corporation. CMOS RAM with merged bipolar transistor. 4,868,628, 9-19-89, Cl. 357-43.000.

Simmons, Gerald P.: *See—*
  Purcell, Robert J.; Simmons, Gerald P.; and Farris, Robert R., 4,817,746, Cl. 180-9.100.

Simmons, Howard E.: *See—*
  Kamenetz, Jeffry K.; and Simmons, Howard E., 4,845,617, Cl. 364-424.040.

Simmons, John G.; and Taylor, Geoffrey W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Bipolar inversion channel device. 4,800,415, 1-24-89, Cl. 357-34.000.

Simmons, John G.; and Taylor, Geoffrey W., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Double heterostructure optoelectronic switch. 4,806,997, 2-21-89, Cl. 357-16.000.

Simmons, John J. Utilization of low rank coal and peat. 4,800,015, 1-24-89, Cl. 208-180.000.

Simmons, John P. Eye bolt and method of manufacture. 4,828,44 5-9-89, Cl. 411-400.000.

Simmons, John R., to General Electric Company. Method for controlling augmentor liner coolant flow pressure in a mixed flow, variable cycle gas turbine engine. 4,813,229, 3-21-89, Cl. 60-204.000.

Simmons, Peter E., to Shell Oil Company. Fluid driven pumping apparatus. 4,820,135, 4-11-89, Cl. 417-391.000.

Simmons, Peter E., to Shell Oil Company. Apparatus and method for pumping well fluids. 4,828,036, 5-9-89, Cl. 166-369.000.

Simmons, Ralph F., Jr.: *See—*
  Gill, Hardayal S.; and Simmons, Ralph F., Jr., 4,843,506, Cl. 360-113.000.

Simmons, Richard E.: *See—*
  Chilton, David C.; and Simmons, Richard E., 4,888,982, Cl. 73-81.000.

Simmons, Richard L.: *See—*
  Andrews, Daniel M.; Spletter, Philip J.; and Simmons, Richard L., 4,845,335, Cl. 219-121.630.

Simmons, Robert J., to Burtons Gold Medal Biscuits Limited. Biscuit conveyor. 4,795,022, 1-3-89, Cl. 198-462.000.

Simmons, Robert J., to Burtons Gold Medal Biscuits Limited. Conveyor systems. 4,832,179, 5-23-89, Cl. 198-461.000.

Simmons, Robert W.; Stamper, Richard W.; and Kaufman, Thomas P., to GenCorp Inc. Apparatus and method for securing an outer roofing membrane to an insulated roof deck. 4,885,887, 12-12-89, Cl. 52-410.000.

Simmons, Ronald D.: *See—*
  Frost, Keith A.; Harris, Timothy; and Simmons, Ronald D., 4,795,977, Cl. 324-158.00F.

Simmons, Roy, to Rolls-Royce plc. Dual cycle gas turbine engines. 4,803,837, 2-14-89, Cl. 60-226.300.

Simmons U.S.A. Corporation: *See—*
  Rasnick, Glen L.; and St. Clair, Albert R., 4,803,742, Cl. 5-18.00R.
  Stumpf, Walter, 4,854,623, Cl. 29-91.000.

Simmons, Verlin M. Cleats for snowmobile track. 4,795,221, 1-3-89, Cl. 305-35.0EB.

Simmons, William O. Storm door lock apparatus. 4,815,163, 3-28-89, Cl. 16-49.000.

Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Yang, Jane J., to TRW Inc. Semiconductor laser array with nonplanar diffraction region. 4,868,839, 9-19-89, Cl. 372-50.000.

Simmons, William W.: *See—*
  Yang, Jane J. J.; Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Sergant, Moshe, 4,869,780, Cl. 156-643.000.

Simms, Cosmian E. Card wrestling game. 4,861,031, 8-29-89, Cl. 273-85.00G.

Simms, Georgene M.: *See—*
  Simms, John B., 4,860,177, Cl. 362-72.000.

Simms, Graham J., to British Aerospace Public Limited Company. Method and apparatus for optically aligning a laser cavity. 4,831,632, 5-16-89, Cl. 372-107.000.

Simms, Graham J.; and Guppy, David J., to British Aerospace Public Limited Company. Ring laser gyroscopes. 4,839,903, 6-13-89, Cl. 372-94.000.

Simms, John B., to Simms, John B.; and Simms, Georgene M. Bicycle safety light. 4,860,177, 8-22-89, Cl. 362-72.000.

Simms, Kenneth B. Table for toilet. 4,825,779, 5-2-89, Cl. 108-50.000.

Simms, Robert A., to Murasa International. Infrared flash unit. 4,866,285, 9-12-89, Cl. 250-495.100.

Simms, Robert A., to Murasa International. Laser safety shutoff system. 4,884,275, 11-28-89, Cl. 372-9.000.

Simms, Robert M.; and Gibson, George A., to Savin Corporation. Liquid developer charge director control. 4,860,924, 8-29-89, Cl. 222-56.000.

Simnovec, Andrej; Meinken, Bernhard; and Schwing, Friedrich, to Friedrich Wilh Schwing GmbH. Adjustable personnel platform. 4,799,573, 1-24-89, Cl. 182-2.000.

Simo, Miroslav A. Laterally adjustable arrow rest for an archery bow. 4,809,670, 3-7-89, Cl. 124-41.00A.

Simo, Miroslav A. Laterally adjustable replaceable arrow rest. 4,881,515, 11-21-89, Cl. 124-24.00R.

Simoens, Herve H. J. Valve for pressurizing a compressed gas accumulator and for the sudden discharge of gas from the accumulator. 4,817,821, 4-4-89, Cl. 222-3.000.

Simon, Allen, to Four Paws Products, Ltd. Pet food dispenser. 4,840,143, 6-20-89, Cl. 119-52.00R.

Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, to Technology Inc. Processor for expanding a compressed video signal. 4,823,201, 4-18-89, Cl. 358-133.000.

Simon, Allen H.: *See—*
  Golin, Stuart J.; Simon, Allen H.; Astle, Brian; and Keith, John M., 4,868,653, Cl. 358-133.000.
  Sprague, David L.; Harney, Kevin; Simon, Allen H.; and Taylor, Herbert H., Jr., 4,881,194, Cl. 364-900.000.

Simon, Arno: *See—*
  Willner, Helge; and Simon, Arno, 4,827,134, Cl. 250-352.000.

Simon, B. Kenneth. Cushioned container for hazardous material. 4,880,119, 11-14-89, Cl. 206-584.000.

Simon, Bela: *See—*
  Nemeth, Istvan; Simon, Bela; and Nemeth, Istvan, 4,885,846, Cl. 33-203.130.

Simon, Bernard: *See—*
  Delatte, Daniel; and Simon, Bernard, 4,878,594, Cl. 220-254.000.

Simon, Burkhard; and Joos, Franz, to MTU Motoren- und Turbinen-Union Munchen GmbH. Fuel injection apparatus and associated method. 4,842,197, 6-27-89, Cl. 239-5.000.

Simon, Dieter: *See—*
  Heimbrodt, Klaus-J.; Simon, Dieter; Feichtiger, Dieter; Kneib, Rudi; Weikert, Gunther; Schneider, Wolfgang; Hoffmann, Ruediger; and Reinhard, Theodor, 4,827,976, Cl. 137-606.000.

Simon, Ferenc: *See—*
  Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, 4,871,722, Cl. 514-157.000.

Simon Fraser University: *See—*
  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,822,590, Cl. 423-561.100.
  Morrison, S. Roy; Frindt, Robert F.; Joensen, Per; Gee, Michael A.; and Miremadi, Bijan K., 4,853,359, Cl. 502-220.000.

Simon, Gehard; Hannel, Peter; and Hoffmann, Erhard-Gunther, to Bayer Aktiengesellschaft. Sheet-shaped, corrosion resistant parts of apparatus. 4,839,209, 6-13-89, Cl. 428-68.000.

Simon, Georg N.: *See—*
  Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, 4,880,876, Cl. 525-67.000.

Simon, Gerard: *See—*
  Lepage, Jean-Luc; and Simon, Gerard, 4,836,997, Cl. 423-342.000.

Simon-Hartley: *See—*
  Tharp, Charles E., 4,839,053, Cl. 210-616.000.

Simon, Heinrich: *See—*
  Fabian, Peter; Krebs, Helmut; and Simon, Heinrich, 4,855,032, Cl. 204-286.000.

Simon, Helmut; and Thanos, Jordanes, to BASF Aktiengesellschaft. Surfactant modified metal catalysts. 4,837,189, 6-6-89, Cl. 502-150.000.

Simon, Helmut; and Lebertz, Herbert, to BASF Aktiengesellschaft. Microbial reduction of monocarboxylic and dicarboxylic acids in the presence of carbon monoxide and/or formates plus mediators. 4,851,344, 7-25-89, Cl. 435-155.000.

Simon, Herbert; Michel, Helmut; Friebe, Walter-Gunar; and Bartsch, Wolfgang, to Boehringer Mannheim GmbH. Nitroxy amino propanols for treating heart and circulatory diseases. 4,801,596, 1-31-89, Cl. 514-327.000.

Simon, Herbert; Michel, Helmut; Bartsch, Wolfgang; and Strein, Klaus, to Boehringer Mannheim GmbH. Aminopropanol derivatives, processes for the preparation thereof, the use thereof and pharmaceutical compositions containing them. 4,863,949, 9-5-89, Cl. 514-418.000.

Simon, Herbert: *See—*
  Muller, Franz; Baur, Erwin; Simon, Herbert; and Sailer, Hubert, 4,827,784, Cl. 74-330.000.

Simon, Hubert: *See—*
  Mulhaupt, Rolf; and Simon, Hubert, 4,874,805, Cl. 524-188.000.

Simon, Jacques F.: *See—*
  Sabban, Joseph C.; Rodier, Jean Claude; Roussel, Andre; and Simon, Jacques F., 4,886,351, Cl. 351-221.000.

Simon, Jaime; Garlich, Joseph R.; Wilson, David A.; and McMillan, Kenneth, to Dow Chemical Company, The. Bone marrow suppressing agents. 4,882,142, 11-21-89, Cl. 424-1.220.

Simon, James A.: *See—*
  Buster, John E.; and Simon, James A., 4,816,257, Cl. 424-430.000.

Simon, James E.: *See—*
  Rhodes, Stephen; and Simon, James E., 4,807,549, Cl. 114-39.200.

Simon, James R.; True, Donald C.; and Lafond, Jacques, to CXA Ltd./CXA LTEE. Initiating system. 4,870,902, 10-3-89, Cl. 102-201.000.

Simon, James W., Jr.; and Gorman, Kathleen, to United Technologies Corporation. Age hardenable dispersion strengthened high temperature aluminum alloy. 4,889,582, 12-26-89, Cl. 148-12.70A.

Simon, Jean: *See—*
  Gourronc, Eugene, 4,879,966, Cl. 118-207.000.

Simon, Jean-Pierre, to Kis Photo Industrie. Device for analyzing a liquid sample. 4,857,274, 8-15-89, Cl. 422-72.000.

Simon, Jean-Pierre, to Kis Photo Industrie. Centrifuge for performing medical analyses. 4,865,810, 9-12-89, Cl. 422-72.000.

Simon-Johnson Company: *See—*
  Scheier, Donald J.; and Hathorn, Jack L., 4,873,746, Cl. 17-11.000.

Simon-Johnson, Inc.: *See—*
  Scheier, Donald J.; and Hathorn, Jack L., 4,827,570, Cl. 17-46.000.

Simon, Karl-Heinz: *See—*
  Jansen, Johannes; Mogendorf, Friedel; and Simon, Karl-Heinz, 4,803,865, Cl. 72-245.000.

Simon, Karl-Heinz D.: *See—*
  Kurbitz, Gunther; Simon, Karl-Heinz D.; and Weinheimer, Hans-Richard, 4,842,247, Cl. 250-342.000.

Simon Ladder Towers, Inc.: *See—*
  Salmi, James A., 4,852,690, Cl. 182-219.000.

Simon, Laszlo; and Pfau, Jean, to Coldeco S.A. Method of generating and using cold, and device for implementing such method. 4,840,652, 6-20-89, Cl. 62-534.000.

Simon, Michael; and Kreiss, Werner, to INA Walzlager Schaeffler KG. Method of producing a rolling bearing race. 4,821,386, 4-18-89, Cl. 29-149.50C.

Simon, Michael; and Roque, Benjamin. Light-emitting diode display system. 4,887,074, 12-12-89, Cl. 340-782.000.

Simon, Michel: *See—*
  Delavarenne, Serge; Fauconet, Michel; Simon, Michel; and Sommer, Jean, 4,840,750, Cl. 260-544.00A.

Simon, Morris, to Beth Israel Hospital. Self-supporting angulator device for precise percutaneous insertion of a needle or other object. 4,883,053, 11-28-89, Cl. 128-303.00B.

Simon, Myron S., to Polaroid Corporation. Photographic products and processes. 4,886,733, 12-12-89, Cl. 430-221.000.

Simon, Peter, to Betek Bergbau-und Hartmetalltechnik Karl-Heinz Simon GmbH & Co. KG. Round shaft bit. 4,818,027, 4-4-89, Cl. 299-92.000.

Simon, Phyllis M.: *See—*
  Beals, Penny L.; Simon, Phyllis M.; and Campbell, Bruce D., 4,822,125, Cl. 350-96.150.

Simon, Robert C., Jr.; O'Connell, Daniel B.; Poirier, David C.; Calkins, John A.; Marsh, Richard A.; Medich, Peter M.; and Mamolen, Richard C., to General Motors Corporation. Engine throttle stop control system. 4,848,189, 7-18-89, Cl. 74-872.000.

Simon, Robert C., Jr.: *See—*

Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.

Simon, Robert E. Electrical switch and circuitry for appliance. 4,829,390, 5-9-89, Cl. 361-49.000.

Simon, Theodore: *See—*

Rogers, Roxanne R.; Kirby, Steven B.; Simon, Theodore; and Matthiesen, Sharon, 4,882,494, Cl. 250-363.090.

Simon, Walter: *See—*

Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Juergen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Bisping, Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.000.

Grosswendt, Werner; Unterstein, Klaus; and Simon, Walter, 4,889,053, Cl. 102-348.000.

Simon, Wayne E.; Sadeh, Willy Z.; Kerin, Edward R.; and Gamson, Bernard W. Centrifugal separator. 4,859,347, 8-22-89, Cl. 210-788.000.

Simon, Wilhelm; and Oesch, Urs, to Willi Moller, Firma. Plastic material containing a tetracarboxylic acid tetraester-plasticizer. 4,857,573, 8-15-89, Cl. 524-291.000.

Simon, William E.; Powers, Thomas L.; and Ernsberger, Glenn W., to Sun Nuclear Corporation. Low-cost radon detector. 4,871,914, 10-3-89, Cl. 250-370.020.

Simon, William M.: *See—*

Harwell, Robert W.; and Simon, William M., 4,833,889, Cl. 62-3.200.

Simoncelli, Eero P. M.: *See—*

Adelson, Edward H.; and Simoncelli, Eero P. M., 4,817,182, Cl. 382-56.000.

Simoncelli, Philippe; and Prevot, Gerard, to Ferco International Usine de Ferrures de Batiment. Automatic double-action casement bolt. 4,836,588, 6-6-89, Cl. 292-34.000.

Simoncic, Paul A.; and Steiner, Walter R., to General Electric Company. Floating point accumulator circuit. 4,825,4[illegible], 4-25-89, Cl. 364-748.000.

Simoncic, Paul A.: *See—*

Steiner, Walter R.; and Simoncic, Paul A., 4,815,021, Cl. 364-716.000.

Simond, Jacques A.: *See—*

Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,820,702, Cl. 514-212.000.

Carlier, Patrick; Simond, Jacques A.; and Monteil, Andre J., 4,822,792, Cl. 514-212.000.

Simone, Dominic; and Brauer, Melvin, to CasChem, Inc. Hydroxy acid esterified polyols. 4,812,533, 3-14-89, Cl. 525-437.000.

Simone, Dominic: *See—*

Brauer, Melvin; and Simone, Dominic, 4,877,455, Cl. 106-244.000.

Simone, Kenneth S.: *See—*

Sherman, Charles J.; and Simone, Kenneth S., 4,887,217, Cl. 364-468.000.

Simoneau, Michael J.: *See—*

Boucher, Stephen G.; Lins, Christopher S.; and Simoneau, Michael J., 4,815,048, Cl. 367-173.000.

Simonelli, Louise. Reduced-scale racing system. 4,817,948, 4-4-89, Cl. 273-86.00B.

Simonet, Guy: *See—*

Wijnendaele, Frans V.; Gilles, Daniel; and Simonet, Guy, 4,857,317, Cl. 424-89.000.

Simonetta, Marco; and DiClaudio, Giacomo, to Snamprogetti, S.p.A. Process for the production of monomer vinyl chloride by cracking of dichloroethane and system suitable to carry out the process. 4,843,182, 6-27-89, Cl. 570-226.000.

Simonette, Dallas W., to Power Flo Products Corp. Applicator head. 4,822,194, 4-18-89, Cl. 401-207.000.

Simonette, Dallas W.: *See—*

Bruggeman, Jon; and Simonette, Dallas W., 4,824,340, Cl. 417-479.000.

Bruggeman, Jon; and Simonette, Dallas W., 4,882,978, Cl. 92-34.000.

Simoni, Giancarlo: *See—*

Ciccolallo, Gino; and Simoni, Giancarlo, 4,819,877, Cl. 239-266.000.

Simonis, Richard A.: *See—*

Bray, Donald T.; and Simonis, Richard A., 4,842,724, Cl. 210-104.000.

Simonnot, Maurice: *See—*

Braud, Yves; Fromentin, Jean; and Simonnot, Maurice, 4,848,752, Cl. 266-114.000.

Simonon, Jean-Claude M.: *See—*

Floreancig, Eligio M.; Jandrain, Jean-Claude M.; Legros, Desire M.; and Simonon, Jean-Claude M., 4,879,933, Cl. 83-76.100.

Simons, August L. H.: *See—*

Ligtenberg, Martinus A. C.; and Simons, August L. H., 4,842,894, Cl. 427-65.000.

Simons, Frank H.; and Ferguson, Benjamin A., to Celanese Fibers, Inc. Dynamic test system for sewing threads. 4,798,152, 1-17-89, Cl. 112-262.100.

Simons, Guido: *See—*

Wissmann, Hans; Hachmann, Henning; Simons, Guido; and Strecker, Helmut, 4,814,484, Cl. 560-39.000.

Wissmann, Hans; Simons, Guido; and Strecker, Helmut, deceased, 4,820,860, Cl. 560-40.000.

Simons, Johan H.; Simons, Peter W. M. A.; and Simons, Martin H. G. M. Movable tapping table for a beer keg. 4,844,300, 7-4-89, Cl. 222-108.000.

Simons, Johannes M. M.; and Michels, Caspar P. M., to Oce-Nederland B.V. Videoamplifier. 4,859,962, 8-22-89, Cl. 330-260.000.

Simons, Johannes M. M., to U.S. Philips Corp. Synthetic resin composition, substrate material for printed circuit boards and method of manufacturing a synthetic resin composition. 4,876,319, 10-24-89, Cl. 525-456.000.

Simons, Leon. Wood screw and method for making same. 4,815,909, 3-28-89, Cl. 411-392.000.

Simons, Martin H. G. M.: *See—*

Simons, Johan H.; Simons, Peter W. M. A.; and Simons, Martin H. G. M., 4,844,300, Cl. 222-108.000.

Simons, Michael J., to Eastman Kodak Company. Photographic silver halide element and process. 4,857,448, 8-15-89, Cl. 430-544.000.

Simons, Peter W. M. A.: *See—*

Simons, Johan H.; Simons, Peter W. M. A.; and Simons, Martin H. G. M., 4,844,300, Cl. 222-108.000.

Simons, Richard H., Jr.: *See—*

Turner, Kenneth W.; Simons, Richard H., Jr.; and Paddock, Gordon R., 4,853,009, Cl. 55-387.000.

Simons, Stephen W. Motorcycle front fork anti-cavity damping system. 4,807,860, 2-28-89, Cl. 267-217.000.

Simons, Tad D.; Stawitcke, Frederick A.; Reed, William M.; and Tesser, Paul A., to Hewlett-Packard Company. IV pump and disposable flow chamber with flow control. 4,857,048, 8-15-89, Cl. 604-50.000.

Simonsen, Leif R.: *See—*

Donahue, Francis M.; Simonsen, Leif R.; and Moy, Russell L., 4,882,244, Cl. 429-194.000.

Simonsen, Soren: *See—*

Jensen, Niels D.; and Simonsen, Soren, 4,842,480, Cl. 415-199.100.

Simonson, Rune: *See—*

Rowell, Roger M.; Simonson, Rune; and Tillman, Anne-Marie, 4,804,384, Cl. 8-121.000.

Simonsson, Samuel: *See—*

Martinen, Hinrich; Simonsson, Samuel; and Wirth, Peter, 4,807,23 Cl. 372-33.000.

Simonsson, Sven B., to Aktiebaloget Electrolux. Vacuum cleaning tool. 4,831,686, 5-23-89, Cl. 15-373.000.

Simonutti, Mario D., to Hughes Aircraft Company. Diode device packaging arrangement. 4,835,495, 5-30-89, Cl. 333-26.000.

Simonyi, Eva E.: *See—*

Afzali-Ardakani, Ali; Cannavaro, Ronald T.; Crooks, Walter; Desai, Mukesh; Pennington, Keith S.; Hoekstra, Jean-Piet; and Simonyi, Eva E., 4,810,119, Cl. 400-241.100.

Simonyi, Istvan: *See—*

Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.

Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Szirt nee Kiszelly, Eniko; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Jakfalvi, Elemer; Zukovics nee Sumeg, Katalin; Gado, Klara; and Hegedus, Maria, 4,883,798, C 514-256.000.

Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.00

Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.00

Simonyi, Sandor; Torocsik, Laszlo; Valoczi, Gyorgy; and Toth, Istvan, to Csepel Autogyar. Hydromechanical transmission system. 4,823,647, 4-25-89, Cl. 74-867.000.

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Simopoulos, George N.: *See—*

Simopoulos, Nicholas T.; Simopoulos, George N.; and Simopoulos, Gregory N., 4,853,079, Cl. 156-633.000.

Simopoulos, Nicholas T.; and Simopoulos, George N., 4,855,1 Cl. 428-690.000.

Simopoulos, Gregory N.: *See—*

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Simopoulos, Nicholas T.; Simopoulos, George N.; and Simopoulos, Gregory N., to Lumel, Inc. Method for making electroluminescent panels. 4,853,079, 8-1-89, Cl. 156-633.000.

Simopoulos, Nicholas T.; and Simopoulos, George N., to Lumel, Inc. Electroluminescent lamps and phosphors. 4,855,189, 8-8-89, C 428-690.000.

Simpkins, James W.: *See—*

Anderson, Wesley R., Jr.; Bodor, Nicholas S.; and Simpkins, James W., 4,863,911, Cl. 514-176.000.

Simplex Time Recorder Co.: *See—*

Farley, Robert W.; Kaplan, Lawrence; Rodrigues, Daniel J.; Wahler, Bruce A.; and Motyka, Charles J., 4,796,025, Cl 340-825.080.

Simplex Wire & Cable: *See—*

Briggs, Kerry D., 4,850,395, Cl. 138-30.000.

Simplicity Engineering, Inc.: *See—*

Maloney, Daniel T., 4,871,118, Cl. 241-99.000.

Simplicity Manufacturing, Inc.: *See—*

Chase, Alan L.; and Prevost, Michael T., 4,813,215, Cl. 56-11.60

Kamlukin, Igor; Penkoske, Donald G.; and Schanz, John W., 4,807,904, Cl. 280-781.900.

Simplimatic Engineering Company: *See—*

Wiseman, John A., 4,848,954, Cl. 403-312.000.

Wiseman, John A., 4,875,573, Cl. 198-831.000.

Simpson, Andrew F.: *See—*

Jenkins, Michael S.; Simpson, Andrew F.; and Porter, David A., 4,828,880, Cl. 427-167.000.

Simpson, Bobby R. Soil moisture control system and method. 4,796,654, 1-10-89, Cl. 137-78.300.

Simpson, Brian A., to Eastman Kodak Company. Molded skive and guide. 4,866,485, 9-12-89, Cl. 355-315.000.

Simpson, Brian A.: *See—*

Buhler, Otto R.; Simpson, Brian A.; and Twombly, John C., 4,862,113, Cl. 331-117.00R.

Simpson, Brian K., to DRG (UK) Limited. Well drilling. 4,854,400, 8-8-89, Cl. 175-85.000.

Simpson, Brian L., to Eastman Kodak Company. Process for leaching particulate solid materials. 4,824,939, 4-25-89, Cl. 530-356.000.

Simpson, Bruce: *See—*

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Bohlman, James G.; Loewenstein, Lee M.; and Jones, John I., 4,836,905, Cl. 204-298.000.

Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.

Simpson, Craig R.: *See—*

Holbrook, David S.; and Simpson, Craig R., 4,855,792, Cl. 355-53.000.

Simpson, Curran M.: *See—*

Jones, Robert D.; and Simpson, Curran M., 4,806,665, Cl. 556-413.000.

Simpson, Danny, to Lear Siegler Seymour Corporation. Storage unit for bed assembly. 4,811,438, 3-14-89, Cl. 5-308.000.

Simpson, Danny, to Lear Seymour Seymour Corporation. Ironing board. 4,821,650, 4-18-89, Cl. 108-120.000.

Simpson, David H., to Klein Tools Inc. Cover for collapsible shelter. 4,884,589, 12-5-89, Cl. 135-117.000.

Simpson-Davis, Raymon W.; and Bennett, Allan, to De La Rue Systems, Limited. Portable card-like article. 4,800,260, 1-24-89, Cl. 235-487.000.

Simpson-Davis, Raymond, to De La Rue Systems, Ltd. Sheet feeding apparatus. 4,881,731, 11-21-89, Cl. 271-315.000.

Simpson, Dennis A.: *See—*

Porter, Samuel, Jr.; Simpson, Dennis A.; and Blackburn, William P., 4,849,283, Cl. 428-323.000.

Simpson Dura Vent Company, Inc.: *See—*

Townsend, Donald M.; and Jacklich, John R., 4,846,147, Cl. 126-307.00R.

Simpson, Edward J.: *See—*

Baird, James C.; Japikse, Cornelis H.; Quigley, Steven F.; and Simpson, Edward J., 4,846,359, Cl. 215-12.200.

Simpson, Ellis O.: *See—*

Simpson, Scott O.; and Simpson, Ellis O., 4,795,567, Cl. 210-744.000.

Simpson, Everton A.: *See—*

Sreenivasan, Baratham; and Simpson, Everton A., 4,849,243, Cl. 426-602.000.

Simpson, Harold, to Ashland Products Company. Security lock for double-hung window. 4,824,154, 4-25-89, Cl. 292-338.000.

Simpson, Harold, to Ashland Products Company. Externally mounted latch for slidable sash window. 4,837,975, 6-13-89, Cl. 49-175.000.

Simpson, Harold G., to Harold Simpson, Inc. Membrane supported reroofing system. 4,835,917, 6-6-89, Cl. 52-63.000.

Simpson, Howard D., to Union Oil Company of California. Catalytic materials of controlled geometric mean electronegativity. 4,816,434, 3-28-89, Cl. 502-210.000.

Simpson, Howard D.; Richardson, Ryden L.; and Baron, Kenneth, to Union Oil Company of California. Desulfurization catalyst and the catalyst prepared by a method. 4,818,743, 4-4-89, Cl. 502-211.000.

Simpson, Howard D.; and Borgens, Pauline B., to Union Oil Company of California. Hydroprocessing catalyst and phosphorous and citric acid containing impregnating solution. 4,879,265, 11-7-89, Cl. 502-211.000.

Simpson, Howard D., to Union Oil Company of California. Resid hydroprocessing catalyst and method of preparation. 4,886,582, 12-12-89, Cl. 502-211.000.

Simpson, Howard D.: *See—*

Robinson, Paul R.; and Simpson, Howard D., 4,846,961, Cl. 208-216.0PP.

Simpson, Hugo R., to British Aerospace Public Limited Company. Asynchronous communication systems. 4,875,224, 10-17-89, Cl. 375-118.000.

Simpson Industries, Inc.: *See—*

Ferguson, Robert J., 4,848,183, Cl. 74-574.000.

Ferguson, Robert J., 4,849,047, Cl. 156-273.900.

Simpson, James E.; Kamarehi, Mohammed; and Ury, Michael G., to Fusion Systems Corporation. Electrodeless lamp having compound resonant structure. 4,887,192, 12-12-89, Cl. 362-265.000.

Simpson, Jay R.: *See—*

Lemaire, Paul J.; MacChesney, John B.; and Simpson, Jay R., 4,830,463, Cl. 350-96.340.

Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., to International Business Machines Corporation. Solder leveling method and apparatus. 4,799,616, 1-24-89, Cl. 228-125.000.

Simpson, John P.; Newman, Gary L.; Larnerd, James M.; and Emerick, Alan J., to International Business Machines Corporation. Solder leveling method and apparatus. 4,869,418, 9-26-89, Cl. 228-37.000.

Simpson, Jon H.: *See—*

Balian, Charles; Simpson, Jon H.; and Agarwal, Arun, 4,824,727, Cl. 428-352.000.

Si[illegible]on, Keith, to Sabre Safety Limited. Breathing apparatus. 4,886,056, 12-12-89, Cl. 128-201.250.

Simpson, Larry L.: *See—*

Rhee, Seung J.; and Simpson, Larry L., 4,877,587, Cl. 422-135.000.

Simpson, Leland S., III. Apparatus for harvesting row crops. 4,802,812, 2-7-89, Cl. 414-508.000.

Simpson, Leland S., III. Apparatus and method for manipulating and dispensing a fluid to a tray. 4,830,831, 5-16-89, Cl. 422-28.000.

Simpson, Marc G.: *See—*

Arenz, David L.; Paquette, Edward L.; and Simpson, Marc G., 4,863,798, Cl. 428-368.000.

Simpson, Mathew: *See—*

Griffiths, Phillip N.; and Simpson, Mathew, 4,805,682, Cl. 152-544.000.

Simpson, Michael L., to Oak Ridge Associated Universities, Inc. Ion beam profile analyzer with noise compensation. 4,833,394, 5-23-89, Cl. 324-71.300.

Simpson, Michael L., to Oak Ridge Associated Universities, Inc. Ion beam profile scanner having symmetric detector surface to minimize capacitance noise. 4,878,014, 10-31-89, Cl. 324-71.300.

Simpson, Paul J.: *See—*

Todd, Robert F., III; Lucchesi, Benedict R.; Simpson, Paul J.; Griffin, James D.; and Schlossman, Stuart F., 4,840,793, Cl. 424-85.800.

Simpson, Philip J., to Tate & Lyle Public Limited Company. Sucrose alkyl 4,6-orthoacylates. 4,889,928, 12-26-89, Cl. 536-122.000.

Simpson, Ralph H., Jr.: *See—*

Miller, Acie B.; Simpson, Ralph H., Jr.; and Luffman, Jimmy W., 4,842,661, Cl. 156-88.000.

Simpson, Raymond A. Scraping device for removing deposits from flues, chimneys, and the like. 4,813,097, 3-21-89, Cl. 15-242.000.

Simpson, Raymond W.; Chandler, Donald G.; and Bowers, John, to Hillier Technologies Limited Partnership. Remote control system, components and methods. 4,864,588, 9-5-89, Cl. 375-1.000.

Simpson, Richard D.; and Asal, Michael D., to Texas Instruments Incorporated. Apparatus for locating and representing the position of an end "1" bit of a number in a multi-bit number format. 4,849,920, 7-18-89, Cl. 364-615.100.

Simpson, Richard D.; and Roskell, Derek, to Texas Instruments Incorporated. Parallel binary adder having grouped stages including dynamic logic to increase carry propagation speed. 4,858,167, 8-15-89, Cl. 364-787.000.

Simpson, Richard S.: *See—*

Sims, Jackie C.; Dowling, Donald J.; and Simpson, Richard S., 4,849,687, Cl. 324-61.00R.

Simpson, Robert W.: *See—*

Boylan, Elizabeth S.; Boylan, Robert J.; Groupe, Vincent; and Simpson, Robert W., 4,877,616, Cl. 424-123.000.

Simpson, Scott O.; and Simpson, Ellis O., to Tricil Environmental Response, Inc. Oil spill separating and recovery system. 4,795,567, 1-3-89, Cl. 210-744.000.

Simpson, Scott S.: *See—*

Owens, Mark J.; and Simpson, Scott S., 4,830,623, Cl. 439-71.000.

Simpson, Sharon M., to Minnesota Mining and Manufacturing Company. Supersensitization of silver halide photothermographic emulsions. 4,873,184, 10-10-89, Cl. 430-617.000.

Simpson, Steven C.; and Witt, Ronald D., to Pro-Kleen Systems International, Ltd. Debris collector for a wide belt sander and the like. 4,815,238, 3-28-89, Cl. 51-135.00R.

Simpson, Steven C.; and Weible, Warren W., to SK Hand Tool Corp. Screwdriver blade. 4,878,406, 11-7-89, Cl. 81-436.000.

Simpson Strong-Tie Company, Inc.: *See—*

Colonias, Karen W., 4,817,359, Cl. 52-643.000.

Commins, Alfred D., 4,841,690, Cl. 52-105.000.

Simpson, Ted. Device for holding the mouth of a flexible bag open and method of use. 4,884,603, 12-5-89, Cl. 141-390.000.

Simpson, Terry W., to Alliance Wall Corporation. Bullet resistant panel. 4,822,657, 4-18-89, Cl. 428-69.000.

Simpson, William: *See—*

Kovacs, Kerry; Simpson, William; Burkholder, Amy L.; Messer, Russell K.; and Thomas, Teresa M., 4,840,866, Cl. 430-138.000.

Simpson, Willis D.; and Gurley, Gene S., to Recognition Equipment Incorporated. System for transferring data to a mainframe computer. 4,855,900, 8-8-89, Cl. 364-200.000.

Simrad Optronics A/S: *See—*

Afsenius, Sven-Åke, 4,826,302, Cl. 350-538.000.

Sims, Anthony M., to Titan Fitness Products Pty., Ltd. Exercise means. 4,854,577, 8-8-89, Cl. 272-130.000.

Sims, Clinton N. Crossed cylinder lenses refractor and method of use. 4,820,040, 4-11-89, Cl. 351-234.000.

Sims, Clinton N. Crossed cylinder lenses refractor with three-lens variable crossed cylinder assembly and method of use. 4,840,479, 6-20-89, Cl. 351-235.000.

Sims, David M.: *See—*

Bose, Animesh; German, Randall M.; and Sims, David M., 4,801,330, Cl. 75-298.000.

Sims, Eric W.: *See—*
Cresswell, David L.; and Sims, Eric W., 4,849,554, Cl. 570-159.000.
Sims, Ernest E. Pickup truck tailgate accessory. 4,889,378, 12-26-89, Cl. 296-57.100.
Sims, Jackie C.; Dowling, Donald J.; and Simpson, Richard S., to Texaco Inc. Steam quality monitoring means and method. 4,849,687, 7-18-89, Cl. 324-61.00R.
Sims, Jackie C.; Dowling, Donald J.; and Nussbaum, Theodore W., to Texaco Inc. Multi-sensor steam quality monitoring means and method. 4,854,725, 8-8-89, Cl. 374-42.000.
Sims, Jackie C.: *See—*
Dowling, Donald J.; and Sims, Jackie C., 4,832,503, Cl. 374-42.000.
Dowling, Donald J.; and Sims, Jackie C., 4,862,001, Cl. 250-345.000.
Sims, John W., Jr., to Magna-Seal, Inc. Magnetic casket seal assembly. 4,882,821, 11-28-89, Cl. 27-17.000.
Sims, Karl: *See—*
Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumbeller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.
Sims, Merrick L. Hydrofoil keel. 4,883,011, 11-28-89, Cl. 114-39.100.
Sims, Raymond E.: *See—*
DeLeeuw, James A.; and Sims, Raymond E., 4,828,717, Cl. 210-740.000.
Sims, Richard E., to Curran Company, The. Panel system for EMI shielded enclosures. 4,806,703, 2-21-89, Cl. 174-35.0MS.
Sims, Roger D.: *See—*
Bakka, Charles M.; Sims, Roger D.; and Stevenson, James T., 4,838,744, Cl. 410-53.000.
Sims, Rowell: *See—*
Ferre, F. Budd; Sims, Rowell; Bowen, Wesley G.; and Kesler, Vibert L., 4,880,026, Cl. 137-234.600.
Sims, Steve A.: *See—*
Saavedra, Jose V.; Hunter, Douglas L.; Sims, Steve A.; Maschmeyer, Donald M.; and Knobel, Thomas M., 4,861,805, Cl. 521-105.000.
Sims, Winifred. Needle tip protective device. 4,846,809, 7-11-89, Cl. 604-198.000.
Simshauser, Steven C.: *See—*
Adams, Lowell J.; Simshauser, Steven C.; Pisarski, Nathan; and Weisend, Norbert A., Jr., 4,875,644, Cl. 244-134.00R.
Simson, Morris; Fabricius, John H.; Browne, Ronnie; Waugh, Arthur; Sarkozy, Robert F.; and Lai, Chiu K. S., to BTU Engineering Corporation. Cross-flow diffusion furnace. 4,854,266, 8-8-89, Cl. 118-728.000.
Simtek Inc.: *See—*
Urwyler, Peter R.; Toor, John W.; and Sacherman, James E., 4,848,201, Cl. 83-261.000.
Simulators Limited, Inc.: *See—*
Adams, Wilbur R., 4,813,811, Cl. 404-15.000.
Simura, Takanori: *See—*
Ooyama, Mitsuo; Ando, Kimiaki; Kawamura, Yoshio; Saitou, Norio; Simura, Takanori; and Kohida, Hiroyuki, 4,820,928, Cl. 250-492.20B.
Sinar, Alexander: *See—*
Blech, Ilan A.; Gerzberg, Levy; Shacham, Yosef Y.; Sinar, Alexander; and Sirkin, Eric R., 4,882,611, Cl. 357-51.000.
Sinar, Alexander B.: *See—*
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Sinar, Michael M.: *See—*
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Gebhardt, Edwin J.; Keaton, George H.; Sinar, Michael M.; and Wendt, James N., 4,852,198, Cl. 15-77.000.
Sinaud, Pascal: *See—*
Perrin, Jacques; and Sinaud, Pascal, 4,843,459, Cl. 358-93.000.
Sinay, Pierre: *See—*
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Petitou, Maurice; Jacquinet, Jean-Claude; Sinay, Pierre; Choay, Jean; Lormeau, Jean-Claude; and Nassr, Mahmoud, 4,818,816, Cl. 536-55.200.
Sinberg, Howard, to Siemens Corporate Research & Support, Inc. Station line interface circuit for a telecommunication network. 4,866,768, 9-12-89, Cl. 379-413.000.
Sinclair, A. Richard: *See—*
Graham, John W.; and Sinclair, A. Richard, 4,888,240, Cl. 428-403.000.
Sinclair, Alan W., to Anamartic Limited. Data storage element and memory structures employing same. 4,882,706, 11-21-89, Cl. 365-180.000.
Sinclair, John D., to Alko Limited. Method for treating alcohol-drinking response. 4,882,335, 11-21-89, Cl. 514-282.000.
Sinclair, Mark A., to CWR Manufacturing. Toggle bolt unit with locking mechanism. 4,810,146, 3-7-89, Cl. 411-342.000.
Sinclair, Michael J.: *See—*
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Sinclair, Peter, to Wiggins Teape Group Limited, The. Remoistenable adhesives. 4,833,002, 5-23-89, Cl. 428-195.000.
Sinclair, Richard G.; and Sowell, Sylvester, to Drackett Company, The. End of life indicator for automatic toilet cleaning devices. 4,800,066, 1-24-89, Cl. 422-55.000.
Sinclair and Rush, Inc.: *See—*
Ventimiglia, Joseph J.; and Vatcha, Neville F., 4,800,116, Cl. 428-215.000.
Sinco, Inc.: *See—*
Denny, David S.; Metzger, Edward R.; Rexroad, John; and Glynn, William, 4,815,562, Cl. 182-138.000.
Denny, David S.; Metzger, Edward C. R.; Rexroad, John; and Glynn, William, 4,875,549, Cl. 182-138.000.
Sincoskie, Walter D.: *See—*
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Sindel, Gerhard, to Fritz Barthelmes KG. Air gun. 4,850,328, 7-25-89, Cl. 124-67.000.
Sinden, Jimmie D.: *See—*
Roy, Michael G.; Ullrich, Helmut J.; Beattie, John M.; and Sinden, Jimmie D., 4,878,340, Cl. 56-249.000.
Sinden, Michael W.; and Muller, Alexander, to Von Weise Gear Company. Multi relay selection control circuit power limiter. 4,796,152, 1-3-89, Cl. 361-192.000.
Sinderhauf, Joachim: *See—*
Mattfeld, Johann; and Sinderhauf, Joachim, 4,799,027, Cl. 330-267.000.
Sindlhauser, Peter; Hunold, Klaus; and Lipp, Alfred, to Elektroschmelzwerk Kempten GmbH. Pressure-sintered polycpystalline mixed materials with a base of hexagonal boron nitride, oxides and carbides. 4,885,264, 12-5-89, Cl. 501-87.000.
Sindlinger, Thomas H., to AMP Incorporated. Electrical terminal and method of assembly. 4,813,893, 3-21-89, Cl. 439-730.000.
Sindo Ricoh Co., Ltd.: *See—*
Chung, Jae Heon, 4,822,025, Cl. 271-296.000.
Sindorf, John F., to Globe-Union Inc. Crimp terminal for a battery. 4,879,191, 11-7-89, Cl. 429-181.000.
Sine, George M., to Allied Corporation. Cable wiper. 4,845,683, 7-4-89, Cl. 367-106.000.
Sinensky, Michael; and Spencer, Thomas A., to Somatogenetics International, Inc.; and Dartmouth College, a part interest. Squalene oxide cyclase inhibitors and therapeutic use thereof. 4,863,932, 9-5-89, Cl. 514-307.000.
Sing, Ajaib: *See—*
Chin, James; and Sing, Ajaib, 4,815,210, Cl. 524-732.000.
Sing, Gerhard, to Dr. Ing. Rudolf Hell GmbH. Method and apparatus for electronic page combination for reproduction technology. 4,849,822, 7-18-89, Cl. 358-443.000.
Sing, Peter. Protective breathing apparatus. 4,815,458, 3-28-89, Cl. 128-201.250.
Sing, Peter. Apparatus for article storage, retrieval and inventory. 4,866,255, 9-12-89, Cl. 235-385.000.
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Chi, Gou-Chung; Sing, Shobha; Van Uitert, LeGrand G.; and Zydzik, George J., 4,819,039, Cl. 357-17.000.
Sing, Y. W.: *See—*
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Sing, Yuen-Lung L.; Miller, Maria L.; and Lee, Len F., to Monsanto Company. Substituted 2,6-substituted pyridine compounds. 4,826,5 5-2-89, Cl. 71-94.000.
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Singarayer, Santiago, to FL Industries, Inc. Cycling limiting circuit and method for electrical apparatus. 4,853,599, 8-1-89, Cl. 315-119.000.
Singels-Craenen, Maria M. J., to Fluidics Instruments B.V. Air-pressure-atomizer. 4,828,181, 5-9-89, Cl. 239-405.000.
Singelyn, James D., to International Fuel Cells Corporation. Catalytic reformer housing insulation and method of making same. 4,804,5 2-14-89, Cl. 428-312.200.
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Singer, Alfred R. E. Spray casting of articles. 4,830,084, 5-16-89, Cl. 164-46.000.
Singer Company, The: *See—*
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Singer, Hans S. Yarn package creel for machine processing yarn. 4,836,468, 6-6-89, Cl. 242-131.000.
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Singer, Klaus P., to Autoflug GmbH & Co. Fahrzeugtechnik. Belt reel-in mechanism. 4,802,634, 2-7-89, Cl. 242-107.40A.
Singer, Norbert, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Single seater motor vehicle. 4,883,308, 11-28-89, Cl. 296-185.000.
Singer, Norman; Speckman, Joe; and Weber, Bryan, to Nutrasweet Company, The. Fluid processor apparatus. 4,828,396, 5-9-89, Cl. 366-149.000.
Singer, Norman; Wilcox, Reed; and Podolski, Joseph S., to NutraSweet Company, The. Frozen dessert. 4,855,156, 8-8-89, Cl. 426-565.000.
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Bentler, Charles B.; Reichard, Gordon E., Jr., and Sirazi, Semir, 4,807,023, Cl. 358-86.000.

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Chan, John K.; Reichard, Gordon E.; and Sirazi, Semir D., 4,816,825, Cl. 340-825.500.

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Anderson, Kevin R.; and Sircar, Ila, 4,820,842, Cl. 546-135.000.

Sircar, Jagadish C.; Schwender, Charles F.; and Sato, Mark J., to Warner-Lambert Company. Purine derivatives. 4,806,642, 2-21-89, Cl. 544-244.000.

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Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
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Sircar, Shivaji, to Air Products and Chemicals, Inc. Recovery of nitrogen, hydrogen and carbon dioxide from hydrocarbon reformate. 4,813,980, 3-21-89, Cl. 55-26.000.

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Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, 4,859,434, Cl. 423-219.000.
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Sireci, Donald J., to Caragher, Richard E., a part interest. Utility routing system for modular panels. 4,808,768, 2-28-89, Cl. 174-48.000.

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Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., to Bayer Aktiengesellschaft. Metallized membrane systems. 4,804,475, 2-14-89, Cl. 210-651.000.

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Hocker, Jurgen; Faehndrich, Jurgen; Hespe, Hans; Sirinyan, Kirkor; and Wecker, Dieter, 4,820,580, Cl. 428-314.400.
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Ciccolallo, Gino; and Simoni, Giancarlo, 4,819,877, Cl. 239-266.000.

Siroi, Takashi: *See—*
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,801,720, Cl. 540-358.000.
Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,810,788, Cl. 540-358.000.

Sirois, Edmond: *See—*
Bannister, A. Karen; Brandriff, Kristen; Carlotto, John A.; DiDonato, Richard J.; Haigh, Virginia; and Sirois, Edmond, 4,796,443, Cl. 63-14.500.

Sirois, Louis L.: *See—*
Moon, Kwang S.; and Sirois, Louis L., 4,845,040, Cl. 436-120.000.

Sirois, William L., to Copeland-Sirois Enterprises, Inc. Integral propulsion and steering unit. 4,832,638, 5-23-89, Cl. 440-83.000.

Sirois, William L., to Copeland-Sirois Enterprises, Inc. Parallel thrust propulsion system. 4,854,903, 8-8-89, Cl. 440-83.000.

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Sirotenko, Viktor G.: *See—*
Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.

Sirover, Michael A., to Temple University of the Commonwealth System of Higher Education. Method and kit for diagnosing bloom's syndrome. 4,818,685, 4-4-89, Cl. 435-7.000.

Sirrenberg, Wilhelm; Klauke, Erich; Zoebelein, Gerhard; Becker, Benedikt; and Stendel, Wilhelm, to Bayer Aktiengesellschaft. Substituted furazan pesticides. 4,826,988, 5-2-89, Cl. 548-125.000.

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SiScan Systems, Inc.: *See—*
Lindow, James T.; Bennett, Simon D.; and Smith, Ian R., 4,847,823, Cl. 369-110.000.

Sisk, David E. Positive fluid seal butterfly valve. 4,822,001, 4-18-89, Cl. 251-306.000.

Sisk, David E. Cast hopper tee. 4,848,396, 7-18-89, Cl. 137-375.000.

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Sisk, Hollis D., to Century Electric, Inc. Multi-piece amortisseur winding end plate. 4,885,495, 12-5-89, Cl. 310-216.000.

Siska Diagnostics, Inc.: *See—*
  Musso, Gary F.; and Ghosh, Soumitra, 4,833,251, Cl. 548-303.000.

Siskind, Leland B. M.; Samaha, William A.; and Warshaw, Thayer S. Toe guard for footwear, process for its manufacture, and footwear so made. 4,862,606, 9-5-89, Cl. 36-77.00M.

Sismo International: *See—*
  Andre, DeSchutter; and Casalatina, Silvano, 4,864,792, Cl. 52-426.000.
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Sismour, Albert C., Jr., to Westinghouse Electric Corp. Flexible conductor and dynamoelectric machine incorporating the same. 4,870,308, 9-26-89, Cl. 310-71.000.

Sissala, Mikko, to Kone Elevator GmbH. Mounting for an elevator car in a car sling. 4,865,157, 9-12-89, Cl. 187-1.00R.

Sisselman, Ronald: *See—*
  Bellavia, Nicholas J.; Birk, Daniel J.; Conforti, Fred J.; and Sisselman, Ronald, 4,827,244, Cl. 340-514.000.

Sisson, Penelope R.: *See—*
  Byrne, Phillip O.; Sisson, Penelope R.; and Ingham, Harry R., 4,826,490, Cl. 604-198.000.

Sisson, Robert W.; and Connell, Richard A., to Pitney Bowes Inc. Apparatus and method of determining the authenticity of weight obtained from a vibrating tray scale. 4,856,604, 8-15-89, Cl. 177-210.0FP.

Sistare, James R., to Ryobi Motor Products Corp. In-line hedge trimmer with planetary gear drive and vibration damping blade assembly. 4,827,616, 5-9-89, Cl. 30-210.000.

Sistermann, Klaus: *See—*
  Fachat, Gaston; Sistermann, Klaus; and Ungerer, Heinz-Jurgen, 4,822,392, Cl. 65-16.000.

Sisto, Eugene: *See—*
  Cornell, Lorne T.; Sisto, Eugene; Ohtola, Victoria L.; and Kenney, Lawrence P., 4,811,839, Cl. 206-303.000.

SISU Shelving Corporation: *See—*
  Shepard, John S., 4,799,643, Cl. 248-544.000.

Sit, Sing-Yuen; and Wright, John J., to Bristol-Myers Company. Antihypercholesterolemic tetrazol-1-yl compounds. 4,870,187, 9-26-89, Cl. 548-253.000.

Sitar, Clem P.: *See—*
  Lindsey, Kurt; and Sitar, Clem P., 4,868,356, Cl. 200-83.00P.

Sitar, Dennis L.; and Bonaldo, Jean M., to ICU Medical, Inc. Medical device. 4,816,024, 3-28-89, Cl. 604-192.000.

Sitar, Dennis L., to ICU Medical, Inc. Blood withdrawal device with movable needle guard member. 4,819,659, 4-11-89, Cl. 128-764.000.

Sitar, Dennis L., to ICU Medical, Inc. Catheter insert device. 4,846,805, 7-11-89, Cl. 604-165.000.

Sitarski, Gerald P.; and May, Barry A., to Tennant Trend Inc. Battery powered walk behind floor burnisher. 4,805,258, 2-21-89, Cl. 15-385.000.

Site Microsurgical Systems, Inc.: *See—*
  DeMeo, Deborah A.; Bross, Robert M.; and Cook, Kenneth P., 4,798,580, Cl. 604-30.000.

Siteg Siebtechnik GmbH: *See—*
  Lefferts, Johannes, 4,796,749, Cl. 198-851.000.

Sitek, Franciszek: *See—*
  Rembold, Manfred; Sitek, Franciszek; Rutsch, Werner; and Berner, Godwin, 4,861,806, Cl. 522-66.000.
  Riediker, Martin; Steiner, Eginhard; Beyeler, Harry; Rembold, Manfred; and Sitek, Franciszek, 4,857,654, Cl. 556-53.000.
  Slongo, Mario; Rody, Jean; Sitek, Franciszek; and Valet, Andreas, 4,880,859, Cl. 524-91.000.

Siteman, Phyllis. Bottle steadying platform. 4,795,117, 1-3-89, Cl. 248-146.000.

Sites, Alfred: *See—*
  Cooper, Robert E., 4,819,977, Cl. 294-1.400.

Sites, Richard L.; and Lackey, Stanley A., to Digital Equipment Corporation. Access verification arrangement for digital data processing system which has demand-paged memory with page crossing detection. 4,821,169, 4-11-89, Cl. 364-200.000.

Sites, Royal H.: *See—*
  Garcia, Richard R.; and Sites, Royal H., 4,881,057, Cl. 338-28.000.

Sitgo Corporation: *See—*
  Kirkpatrick, George R. D.; and Trescott, John R., 4,826,196, Cl. 280-650.000.

Sitkei, Ferenc: *See—*
  Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.

SITMA - Societa Italiana Macchine Automatiche S.p.A.: *See—*
  Ballestrazzi, Aris; and Tassi, Lamberto, 4,831,809, Cl. 53-64.000.
  Ballestrazzi, Aris; and Tassi, Lamberto, 4,881,357, Cl. 53-64.000.

Sitman, Robert W.: *See—*
  Krug, George C.; Beeler, Donald J.; Fiank, David C.; Sitman, Robert W.; Shauf, Walter F.; and Pike, Robert F., 4,806,140, Cl. 65-290.000.

Sitnik, Lee. Disposable self-inflating manual resuscitator bag. 4,870,962, 10-3-89, Cl. 128-205.130.

Sitnik, Theresa A.: *See—*
  Cole, Herbert S., Jr.; Levinson, Lionel M.; Liu, Yung S.; and Sitnik, Theresa A., 4,865,873, Cl. 427-53.100.

Sitour Espana, S.A.: *See—*
  Domingo, Ricardo, 4,834,331, Cl. 248-205.300.

Sitrin, Gabriel M. Control pedal apparatus for a motor vehicle. 4,875,385, 10-24-89, Cl. 74-512.000.

Sitrin, Robert D., to SmithKline Beckman Corporation. Carboxamide derivatives of glycopeptides. 4,882,313, 11-21-89, Cl. 514-8.000.

Sitrin, Robert D.: *See—*
  Bowie, Betty A.; Hedde, Richard D.; Lindsey, Thomas O.; Newman, David J.; Shearer, Marcia C.; Sitrin, Robert D.; and Valenta, Joseph R., 4,797,280, Cl. 424-118.000.

Sittenthaler, Wilhelm; Marquardt, Klaus; Deubzer, Bernward; and Eglseder, Anton, to Wacker-Chemie GmbH. Silicone-containing paint compositions. 4,833,187, 5-23-89, Cl. 524-188.000.

Sittig, Roland, to Siemens Aktiengesellschaft. Method of manufacturing thyristor with integrated power supply for an associated circuit. 4,803,172, 2-7-89, Cl. 437-6.000.

Sittig, Roland: *See—*
  Gobrecht, Jens; Roggwiller, Peter; Sittig, Roland; and Voboril, Jan, 4,801,554, Cl. 437-6.000.

Sittler, Fred C.; and Bohara, Robert C., to Rosemount, Inc. Integrated semiconductor resistance temperature sensor and resistive heater. 4,808,009, 2-28-89, Cl. 374-178.000.

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Sitton, Gary L.; and Mitchell, Albert M., to Sitton, Gary L. Super setter plastic fishing hook. 4,833,816, 5-30-89, Cl. 43-43.160.

Sitton, Robert E. Method and apparatus for dispensing beverages. 4,856,680, 8-15-89, Cl. 222-152.000.

Sitzema, Ronald L., Jr.: *See—*
  Barnes, Josh T.; and Sitzema, Ronald L., Jr., 4,839,781, Cl. 362-299.000.
  Hammesfahr, Paul D.; Jefferies, Steven R.; and Sitzema, Ronald L., Jr., 4,867,682, Cl. 433-37.000.

Sitzman, Gary W.: *See—*
  Koss, George A.; and Sitzman, Gary W., 4,851,018, Cl. 65-94.000.

Sitzman, Michael E.; and Gilligan, William H., to United States of America, Navy. Pentafluorothio polynitroaliphatic explosive. 4,849,540, 7-18-89, Cl. 560-156.000.

Sitzmann, Michael E.; and Gilligan, William H., to United States of America, Navy. Pentafluorosulfanyl polynitroaliphatic urea, monocarbamate, and dicarbamate explosive compounds. 4,831,16 5-16-89, Cl. 560-148.000.

Siu, Siu-Kwan, to Johnson Electric Industrial Manufactory, Limited. Commutator connection in an electric motor. 4,835,430, 5-30-89, Cl. 310-234.000.

Siu, Sun-Chi: *See—*
  Deerfield, Alan J.; and Siu, Sun-Chi, 4,819,152, Cl. 364-200.000.

Siuta-Mangano, Patricia, to Chesebrough-Pond's Inc. Crosslinking of hair thiols using cystamine. 4,795,629, 1-3-89, Cl. 424-70.000.

Siuta-Mangano, Patricia, to Chesebrough-Pond's Inc. Crosslinking of hair thiols using glutathione disulfide. 4,812,307, 3-14-89, Cl. 424-71.000.

Siuta, Michael T.: *See—*
  Harandi, Mohsen N.; Owen, Hartley; and Siuta, Michael T., 4,822,480, Cl. 208-212.000.

Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Golovin, Nikolai N., to Mogilevsky Mashinostroitelny Institut. Mor 4,827,455, 5-2-89, Cl. 366-292.000.

Sivahop, Albert: *See—*
  Novis, Ari M.; Adams, Don L.; LaMontagne, Troy J.; and Sivahop, Albert, 4,885,514, Cl. 318-580.000.

Sivak, Jacob G.; Dovrat, Ahuva; and Gershon, David, to Canadian Industrial Innovation Centre Waterloo. Containers for culturing and testing of vertebrate lenses. 4,865,985, 9-12-89, Cl. 435-284.000.

Sivak, Jacob G.: *See—*
  Gershon, David; Sivak, Jacob G.; and Dovrat, Ahuva, 4,872,46 Cl. 356-125.000.

Sivalingam, Ramalingam, to G.E. Machine Tool Limited. Accessory transmission. 4,800,780, 1-31-89, Cl. 74-785.000.

Sivalingam, Ramalingam, to G.E. Machine Tool Limited. Accessory transmission. 4,800,782, 1-31-89, Cl. 74-785.000.

Sivavec, Timothy M., to General Electric Company. Catalytic method of preparing carboxy derivatives of polyphenylene ethers. [illegible] 2-28-89, Cl. 525-397.000.

Sivavec, Timothy M.: *See—*
  Anderson, Patricia P.; Sivavec, Timothy M.; and Takekoshi, Tohru, 4,873,367, Cl. 562-425.000.

Sivers, E. Anne: *See—*
  Hopkinson, James F.; Nambu, Kyojiro; and Sivers, E. Anne, 4,809,172, Cl. 364-413.160.

Sivers, Rolf V.: *See—*
  Hawener, Juergen; Havemann, Kim; and Sivers, Rolf V., 4,872,6 Cl. 244-54.000.

Siversson, Per-Erik, to Flodins Filter AB. Method and apparatus for the manufacture of filters. 4,798,575, 1-17-89, Cl. 493-346.000.

Sivertsen, Olav N.: *See—*
  Adkins, Gordon V.; McDonald, John R.; and Sivertsen, Olav N., 4,856,736, Cl. 244-45.00R.

Sivilich, Daniel M.: *See—*
  Coury, Frank; Frank, Margaret A.; and Sivilich, Daniel M., 4,820,289, Cl. 604-349.000.

Sivko, Vladimir I.: *See—*
  Poroshin, Jury E.; Gorbachev, Igor M.; Potysk, Vladimir M.; Sorochkin, Vladimir P.; and Sivko, Vladimir I., 4,850,861, Cl. 432-99.000.

Sivonen, Juha. Masonry fireplace, particularly a baking oven. 4,850,332, 7-25-89, Cl. 126-8.000.

Sivori, Michel: *See—*
  Hanneton, Jean-Jacques; and Sivori, Michel, 4,796,685, Cl. 164-203.000.

Sivulka, Gerald M.: *See—*
  Bruder, John R.; Sivulka, Gerald M.; and Tribe, Leonard T., 4,848,151, Cl. 73-308.000.

Sivy, George T., to Illinois Tool Works, Inc. Thixotropic cyanoacrylate adhesive composition. 4,845,151, 7-4-89, Cl. 524-762.000.

Siwanowicz, Bogdan: *See—*
  Synoradzki, Ludwik; Lascia, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.

Siwek, Boguslaw: *See—*
  Doerfler, Jerzy W.; Rowinski, Lech; Niepieklo, Andrzej; Klopocki, Jan; and Siwek, Boguslaw, 4,822,311, Cl. 441-87.000.

Siwersson, Olle L.; Wall, Arne F.; and Loodberg, Jan A. T., to AB Scaniainventor. Burner for a suspension of fine-grained coal in liquid. 4,803,932, 2-14-89, Cl. 110-260.000.

Siwiak, Kazimierz, to Motorola, Inc. Knowledge back pager with frequency control apparatus. 4,823,123, 4-18-89, Cl. 340-825.440.

Siwiak, Kazimierz; Jasinski, Leon; and Steel, Francis R., to Motorola, Inc. Acknowledge back pager with adaptive variable transmitter output power. 4,825,193, 4-25-89, Cl. 340-311.100.

Siwiak, Kazimierz; Jasinski, Leon; and Steel, Francis R., to Motorola, Inc. Frequency division multiplexed acknowledge back paging system. 4,875,038, 10-17-89, Cl. 340-825.440.

Siwiak, Kazimierz, to Motorola, Inc. Code division multiplexed acknowledge back paging system. 4,882,579, 11-21-89, Cl. 340-825.440.

Siwiak, Kazimierz: *See—*
  Kahler, Mark P.; and Siwiak, Kazimierz, 4,847,626, Cl. 343-700.0MS.

Siwinski, Paul P.: *See—*
  Nicholas, Vincent; and Siwinski, Paul P., 4,824,384, Cl. 439-108.000.
  Nicholas, Vincent; and Siwinski, Paul P., 4,860,447, Cl. 29-863.000.
  Nicholas, Vincent; and Siwinski, Paul P., 4,860,801, Cl. 140-105.000.
  Nicholas, Vincent; and Siwinski, Paul P., 4,879,809, Cl. 29-860.000.

Six, Albert J. Printed material bearing identifying coding. 4,830,380, 5-16-89, Cl. 273-269.000.

Six Corners Development Company: *See—*
  Stein, Andrew M., 4,828,146, Cl. 222-1.000.
  Stein, Andrew M., 4,850,120, Cl. 34-88.000.

Six, Jean-Claude G., to U. S. Philips Corporation. Television picture overlay management device. 4,866,524, 9-12-89, Cl. 358-183.000.

Sizer, Phillip S.: *See—*
  Perkins, Donald H.; Deaton, Thomas M.; and Sizer, Phillip S., 4,886,114, Cl. 166-65.100.

Sizova, Svetlana I.: *See—*
  Kovachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; and Sizova, Svetlana I., 4,799,919, Cl. 474-205.000.
  Kovachevsky, Gennady G.; Guskov, Valery V.; Boikov, Vladimir P.; Molodan, Oleg I.; Sizova, Svetlana I.; Gorodnichev, Jury N.; and Nazarenko, Tamara P., 4,846,771, Cl. 474-268.000.

Sjardijn, Willem; and Kramer, Arris H., to Shell Oil Company. Polymer of dicyclopentadiene and a process for preparation. 4,810,762, 3-7-89, Cl. 526-166.000.

Sjoblom, Hans: *See—*
  Hortzen, Krister; and Sjoblom, Hans, 4,804,826, Cl. 235-382.000.

Sjoerdsma, Albert, to Merrell Dow Pharmaceuticals Inc. Method of alleviating withdrawal symptoms. 4,800,209, 1-24-89, Cl. 514-401.000.

Sjogren, Bengt C. H.: *See—*
  Lindskog, Inga M.; Sjogren, Bengt C. H.; and Andersson, Sven-Borje, 4,871,543, Cl. 424-432.000.

Sjogren, Borje, to Nordisk Kartro AB. Arrangement for profiling forwardly indexed material webs. 4,840,054, 6-20-89, Cl. 72-382.000.

Sjogren, Christer A.; and D'Amico, Carl, to Quipp Incorporated. Signature stacker. 4,812,099, 3-14-89, Cl. 414-788.200.

Sjogren, Eric B.: *See—*
  Evans, David A.; and Sjogren, Eric B., 4,820,816, Cl. 540-205.000.
  Evans, David A.; and Sjogren, Eric B., 4,870,169, Cl. 540-229.000.

Sjogren, John A.: *See—*
  Falk, Karl-Erik L.; Hugosson, Sven M.; Rosinski, Adam; and Sjogren, John A., 4,803,081, Cl. 424-488.000.

Sjogvist, Conny: *See—*
  Calmon, Staffan; Boberg, Tore; and Sjogvist, Conny, 4,853,052, Cl. 149-109.600.

Sjoholm, Kalevi: *See—*
  Putkonen, Ari; and Sjoholm, Kalevi, 4,815,614, Cl. 212-146.000.

Sjoholm, Lars I.: *See—*
  Taylor, David H.; and Sjoholm, Lars I., 4,850,197, Cl. 62-81.000.

Sjovall, Goran, to Presidentia Medical AB. Adapter for drop unit. 4,871,359, 10-3-89, Cl. 604-411.000.

Sjoo, Lennart: *See—*
  Medin, Gunnar; Olsson, Erik; Sjoo, Lennart; and Lundgren, Roger, 4,881,448, Cl. 89-36.020.

Sjostedt, Carl-Goran, to United Stirling AB. Piston rod seal. 4,832,352, 5-23-89, Cl. 277-114.000.

Sjostrand, Eero: *See—*
  Alen, Raimo; and Sjostrand, Eero, 4,853,084, Cl. 162-49.000.

Sjostrand, Jorgen, to Bronnums Maskinfabrik A/S. Conveyor. 4,879,841, 11-14-89, Cl. 47-59.000.

Sjostrand, Uno, to Aktiebolaget Profor. Conveyor assemblies. 4,856,646, 8-15-89, Cl. 198-836.000.

Sjostrom, Douglas D., to Dyonics, Inc. Arthroscopic surgical instrument. 4,834,729, 5-30-89, Cl. 128-318.000.

Sjugis, Anatol J.: *See—*
  Radik, Tynu A.; Sjugis, Anatol J.; Pungas, Toom A.; and Korsen, Vilie K., 4,888,530, Cl. 318-254.000.

SK Hand Tool Corp.: *See—*
  Simpson, Steven C.; and Weible, Warren W., 4,878,406, Cl. 81-436.000.

Ska S.p.A.: *See—*
  Segalla, Ruggero, 4,811,675, Cl. 119-52.00B.

Skaggs, James L.: *See—*
  Griffin, Joseph C.; and Skaggs, James L., 4,878,898, Cl. 604-101.000.

Skaggs, Lisa M., to Mead Corporation, The. Microencapsulated photosensitive compositions employing image forming initiators. 4,816,368, 3-28-89, Cl. 430-138.000.

Skaja, Joseph J., to Kaepa, Inc. Article with identifying device. 4,837,960, 6-13-89, Cl. 40-636.000.

Skakoon, James G.; and Sleeman, Philip S., to C. R. Bard, Inc. Battery operated miniature syringe infusion pump and improved halfnut therefor. 4,804,368, 2-14-89, Cl. 604-155.000.

Skakoon, James G.; and Chan, Thomas, to C. R. Bard, Inc. Intravenous pole clamp. 4,844,397, 7-4-89, Cl. 248-231.700.

Skala, Dennis P.; and Kloss, John W., to Lord Corporation. Method and apparatus for measuring crack growth. 4,836,029, 6-6-89, Cl. 73-799.000.

Skalen, Bengt, to BTG Kalle Inventing AB. Device in viscosity meters. 4,860,576, 8-29-89, Cl. 73-59.000.

Skaliotis, Dennis A., to Theon, Inc. Astringent gel composition and method for use. 4,840,798, 6-20-89, Cl. 424-488.000.

Skalleberg, Oystein, to Skaltek AB. Arm for cable winding. 4,848,697, 7-18-89, Cl. 242-158.00R.

Skallen, Bengt, to Eur-Control Kalle AB. Method and apparatus for measuring the viscosity of a medium. 4,875,362, 10-24-89, Cl. 73-54.000.

Skalsky, Michael; Milijasevic, Zoran; Nakazawa, Akira; and Gotthardt, Gerhard, to Telectronics, N.V. Porous pacemaker electrode tip using a porous substrate. 4,844,099, 7-4-89, Cl. 128-785.000.

Skalsky, Michael: *See—*
  Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., 4,798,206, Cl. 128-419.00P.

Skaltek AB: *See—*
  Skalleberg, Oystein, 4,848,697, Cl. 242-158.00R.

Skamser, Ingrid, to Thermal Bags by Ingrid, Inc. Thermally insulated food bag. 4,802,233, 1-31-89, Cl. 383-15.000.

Skandex A/S: *See—*
  Tempel, Aleksander; and Sorensen, Borge, 4,834,548, Cl. 366-208.000.

Skandigen AB: *See—*
  Carlquist, Mats; Jornvall, Hans; Forssmann, Wolf-Georg; Thulin, Lars; Johansson, Catja; and Mutt, Viktor, 4,806,336, Cl. 424-9.000.

Skapinetz, Theodore J.: *See—*
  Burkhardt, Kenneth J., Jr.; Gerbehy, Jay L.; Skapinetz, Theodore J.; and Bremond-Gregoire, Patrice M. A., 4,866,664, Cl. 364-900.000.

Skarivoda, Edwin L., to Paragon Electric Company, Inc. Programmable timer with skip cycle. 4,853,558, 8-1-89, Cl. 307-141.000.

Skarr, Steven B.; and Brockman, William H., to Iowa State University Research Foundation, Inc. Means and method of camera space manipulation. 4,833,383, 5-23-89, Cl. 318-568.160.

Skarshinski, Leon: *See—*
  Calta, Salvatore A.; Gregg, Thomas A.; Skarshinski, Leon; and Strangwayes, Richard, 4,866,609, Cl. 364-200.000.

Skarstad, Torgeir, to Kvaerner-Eureka A/S. Vertical submersible pump assembly. 4,840,535, 6-20-89, Cl. 415-168.200.

Skarsten, Stephen R., to Skilten Tools Limited. Portable work bench. 4,875,513, 10-24-89, Cl. 144-286.00R.

Skatrud, Paul L.: *See—*
  Ingolia, Thomas D.; Queener, Stephen W.; Samson, Suellen M.; Skatrud, Paul L.; and Godfrey, Otis W., 4,885,251, Cl. 435-183.000.
  Ingolia, Thomas D.; Queener, Stephen W.; Skatrud, Paul L.; and Wiegel, Barbara J., 4,885,252, Cl. 435-252.300.

Skatsche, Othmar: *See—*
  Melde-Tuczai, Helmut; Aigner, Johann; and Skatsche, Othmar, 4,836,162, Cl. 123-321.000.
  Melde-Tuczai, Helmut; Skatsche, Othmar; and Rachholz, Josef, 4,836,171, Cl. 123-508.000.

Skau, Neil I., III: *See—*
  Hansen, Gregory J.; and Skau, Neil I., III, 4,827,501, Cl. 379-199.000.

Skaugen, Borgeir, to Beloit Corporation. Transfer apparatus. 4,854,053, 8-8-89, Cl. 34-117.000.

Skaugen, Borgeir, to Beloit Corporation. Papermaking press section and transfer arrangement to dryer section. 4,874,470, 10-17-89, Cl. 162-360.100.

Skeaff, James M.: *See—*

Kirchnerova, Jitka; Skeaff, James M.; and Bale, Christopher W., 4,842,698, Cl. 204-1.00T.

Skeath, Arthur D. L., to UKAF Industries, Inc. Non-consolidating discharge feeder. 4,828,448, 5-9-89, Cl. 414-304.000.

Skeean, Richard W.: *See—*

Sircar, Ila; Bristol, James A.; and Skeean, Richard W., 4,820,697, Cl. 514-252.000.

Skeels, Gary W.; Breck, Donald W., deceased, by Breck, Stephen R., heir; and by Breck, George D., heir, to UOP. Hydrocarbon conversion using silicon-substituted zeolite compositions. 4,836,911, 6-6-89, Cl. 208-111.000.

Skega AB: *See—*

Eriksson, Klas-Goran, and Stenman, Rolf, 4,848,681, Cl. 241-183.000.

Persson, Sture; and Hoel, Lars, 4,824,705, Cl. 428-35.900.

Persson, Sture, 4,868,769, Cl. 364-550.000.

Skegin, Maer. Extruded lamp fixtures for halogen light sources. 4,833,579, 5-23-89, Cl. 362-362.000.

Skegin, Maer. Ventilated miniature lighting fixtures. 4,882,667, 11-21-89, Cl. 362-373.000.

Skeie, Gary. Tool bucket organizer. 4,826,007, 5-2-89, Cl. 206-373.000.

Skeirik, Lewis. Bracket table cover. 4,823,957, 4-25-89, Cl. 206-557.000.

Skeirik, Richard D.; and DeCaria, Frank O., to Du Pont de Nemours, E. I., and Company. Expert system with three classes of rules. 4,884,217, 11-28-89, Cl. 364-513.000.

Skelley, Louis M.: *See—*

Powell, Jay W.; and Skelley, Louis M., 4,832,131, Cl. 172-25.000.

Skelly, Michael. Method and apparatus for rotary power driven swivel drilling. 4,832,552, 5-23-89, Cl. 414-22.540.

Skelly, Susan M.: *See—*

Brot, Nathan; Elkon, Keith; Skelly, Susan M.; and Weissbach, Herbert, 4,865,970, Cl. 435-7.000.

Skelnik, Debra L.: *See—*

Lindstrom, Richard L.; and Skelnik, Debra L., 4,886,786, Cl. 514-54.000.

Skelton, Lawrence. Method and apparatus for roofing. 4,872,331, 10-10-89, Cl. 72-181.000.

Skelton, Ronald J., Jr.: *See—*

Yang, Frank J.; Farnsworth, Paul B.; Markides, Karin E.; Lee, Milton L.; and Skelton, Ronald J., Jr., 4,851,683, Cl. 250-339.000.

Skelton, Vivian G. A. Printed coupon envelope for tickets. 4,850,611, 7-25-89, Cl. 251-5.000.

Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; Cooper, LeRoy D.; Wiseman, Jerry W.; and Brotherton, Robert L., to United States of America, Army. Apparatus and method for filling individual munitions items with explosive. 4,813,331, 3-21-89, Cl. 86-20.120.

Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; and Cooper, LeRoy D., to United States of America, Army. Apparatus and method for simultaneously filling multiple munitions items with explosive. 4,817,685, 4-4-89, Cl. 141-11.000.

Skerrett, J. Richard: *See—*

Chen, Patrick P.; Chiu, Taiwoo; and Skerrett, J. Richard, 4,883,564, Cl. 162-112.000.

Sketo, James L., to Sexton Enterprises, Inc. Single spring safety stabilizer for vehicle steering linkage. 4,822,012, 4-18-89, Cl. 267-221.000.

Skewis, William A. Foldable work stand. 4,846,432, 7-11-89, Cl. 248-235.000.

SKF France: *See—*

Message, Olivier, 4,880,093, Cl. 192-45.100.

SKF Gleitlager GmbH: *See—*

Schmehr, Peter R.; and Sander, Edmund, 4,836,694, Cl. 384-145.000.

SKF GmbH: *See—*

Bauer, Bernhard, and Dobhan, Herbert, 4,806,026, Cl. 384-486.000.

Brandenstein, Manfred; Ernst, Horst M.; Haas, Roland; Neder, Gunter; and Stork, Josef, 4,818,124, Cl. 384-208.000.

Brandenstein, Manfred; Haas, Roland; Friedrich, Wolfgang; and Herrmann, Gerhard, 4,872,768, Cl. 384-223.000.

Brandenstein, Manfred; and Kober, Jurgen, 4,878,885, Cl. 474-135.000.

Brandenstein, Manfred; and Hetterich, Herrmann, 4,888,862, Cl. 29-148.40A.

Brandenstein, Manfred; Herrmann, Gerhard; and Haas, Roland, 4,889,520, Cl. 474-135.000.

Dobhan, Herbert; Schemmel, Bruno; Leuner, Hilmar; and Hahn, Walter, 4,795,280, Cl. 384-539.000.

Ernst, Horst M.; and Colanzi, Franco, 4,810,107, Cl. 384-482.000.

Haas, Roland; Brandenstein, Manfred; Herrmann, Gerhard; and Thurn, Karl, 4,848,938, Cl. 384-537.000.

Haas, Roland; Mauer, Elmar; Buchelmaier, Hans Joachim; and Brandenstein, Manfred, 4,865,469, Cl. 384-475.000.

Hardorff, Ortwin, 4,884,901, Cl. 384-448.000.

Jacob, Werner; and Hoch, Paul-Gerhard, 4,834,560, Cl. 384-461.000.

Kispert, Klaus; and Stolz, Robert, 4,884,902, Cl. 384-550.000.

Kruk, Stanislaw, 4,798,482, Cl. 384-571.000.

Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, 4,804,276, Cl. 384-526.000.

Olschewski, Armin; Schlereth, Armin; and Hoch, Paul-Gerhard, 4,860,605, Cl. 74-99.00R.

Schanz, Rainer; Baumbusch, Paul; and Egner, Harald, 4,815,580, Cl. 198-347.000.

Schepp, Martin, 4,878,760, Cl. 384-618.000.

Schmehr, Peter, 4,819,854, Cl. 277-47.000.

Schroder, Horst; Kispert, Klaus; Stolz, Robert; and Jacob, Werner, 4,856,917, Cl. 384-550.000.

Stark, Josef; Gossmann, Willi; and Wurmbach, Rupert, 4,805,281, Cl. 29-252.000.

SKF Industrial Trading and Development Company: *See—*

Dolfsma, Hendrik, and Zwarts, Jacobus, 4,820,061, Cl. 384-462.000.

Schalk, Bart, 4,837,909, Cl. 29-148.40A.

SKF Industrial Trading and Development Co. B.V.: *See—*

Bayer, Antonius L.; Bles, Bernhardus A. L.; Hands, Godfrey; and Hovden, Dag A., 4,798,299, Cl. 212-157.000.

SKF Industrial Trading & Development Co. B.V.: *See—*

Bras, Johan C. M., 4,799,574, Cl. 184-27.100.

Bras, Johan C. M., 4,836,334, Cl. 184-45.100.

Gabelli, Antonio; and Dolfsma, Hendrik, 4,854,746, Cl. 384-466.000.

Hartman, Hendrikus G.; Labrie, Cornelis; Leijenhorst, Jan; and Rietveld, Adrianus, 4,848,937, Cl. 384-480.000.

Hollox, Graham E., 4,858,294, Cl. 29-149.50R.

Merkelbach, Boy, 4,880,281, Cl. 301-124.00R.

Vermeiren, Karel N., 4,888,976, Cl. 73-10.000.

SKF Mekanprodukter AB: *See—*

Wengeler, Ulf, 4,886,144, Cl. 184-45.100.

SKF Nova AB: *See—*

Adolfsson, Rune, 4,824,277, Cl. 403-370.000.

Adolfsson, Rune, 4,880,153, Cl. 228-2.500.

Hallerback, Stig, 4,799,918, Cl. 474-161.000.

Hallerback, Stig, 4,804,354, Cl. 474-902.000.

Nilsson, Sven W., 4,832,550, Cl. 411-262.000.

SKF Plasma Technologies AB: *See—*

Gustafsson, Bengt O.; and Johansson, Nils B., 4,876,074, Cl. 423-210.500.

SKF Steel Engineering AB: *See—*

Thornblom, Jan, 4,808,795, Cl. 219-383.000.

SKF Textilmaschinen-Komponenten GmbH: *See—*

Braun, Ernst, 4,886,991, Cl. 310-212.000.

Krehl, Gerhard, and Vogeler, Helmut, 4,888,452, Cl. 174-101.000.

SKF Transportwielen B.V.: *See—*

Timmer, Hendrikus J. M.; and Lindhout, Paul, 4,815,161, Cl. 16-35.00R.

SKF (U.K.) Limited: *See—*

Hamblin, Ronald F., 4,887,919, Cl. 384-562.000.

Ski Tote USA: *See—*

Nordmeyer, Robert, 4,842,315, Cl. 294-147.000.

Skiba, William: *See—*

Barnes, Michael; Hagstrom, Kenneth L.; Hayes, David F.; Hein, George; Keane, Anthony; Pawlowski, Roger; Percival, Christopher; Poggi, Peter J.; Rzepkowski, Richard E.; and Skiba, William, 4,829,554, Cl. 379-58.000.

Skibinski, Bernard J. Device to aid persons rising from a seated position. 4,843,661, 7-4-89, Cl. 5-81.00R.

Skibinski, Robert E., to Mid-America Scale, Inc. Torque suspension weighing scale. 4,821,823, 4-18-89, Cl. 177-256.000.

Skibinski, Robert E., to Mid-America Scale, Inc. Torque suspension weighing scale. 4,872,523, 10-10-89, Cl. 177-255.000.

Skibo, Michael D.; and Schuster, David M., to Dural Aluminum Composites Corp. Process for preparation of composite materials containing nonmetallic particles in a metallic matrix. 4,865,806, 9-12-89, Cl. 420-129.000.

Skibowski, Hubert, to Dover Corporation. Shut-off valve. 4,817,6[illegible], 4-4-89, Cl. 137-312.000.

SkiDeer, Inc.: *See—*

Hallett, Thomas D.; and Berdeman, Donald H., 4,887,823, Cl. 280-19.000.

Skidmore, Ian F.; Finch, Harry; Naylor, Alan; Lunts, Lawrence H. C.; and Campbell, Ian B., to Glaxo Group Limited. Aminophenol derivatives. 4,853,382, 8-1-89, Cl. 514-212.000.

Skidmore, Ian F.: *See—*

Finch, Harry; Lunts, Lawrence H. C.; Naylor, Alan; Skidmore, Ian F.; and Campbell, Ian B., 4,853,381, Cl. 514-211.000.

Skidmore, Jay A.: *See—*

Coldren, Larry A.; and Skidmore, Jay A., 4,874,690, Cl. 156-643.000.

Skidmore, Mark: *See—*

Fishkin, Theodore S.; Skidmore, Mark; and Dimitrijevic, Petar, 4,884,078, Cl. 342-360.000.

Skidmore, R.; and Evans, Jonathan M., to Vital Science Corporation. Method and apparatus for measuring volume fluid flow. 4,807,6[illegible], 2-28-89, Cl. 128-661.100.

Skidmore, Samuel C., Sr. Auxiliary support bearing for a milling machine head. 4,815,903, 3-28-89, Cl. 409-131.000.

Skiens, W. Eugene: *See—*

Feyrer, Clyde D.; Gordon, N. Ross; and Skiens, W. Eugene, 4,852,075, Cl. 369-100.000.

Halter, Joseph M.; Hartman, John S.; Lind, Michael A.; Skiens, W. Eugene; Swanson, John W.; and Biles, Jonathan R., 4,823,[illegible] Cl. 369-275.000.

Skiera, Heinz, to Veb Kombinat Polygraph "Werner Lambert" Leipzig. Engaging and disengaging device for blanket cylinders of a four-cylinder printing assembly for roller rotary offset printing machines. 4,815,377, 3-28-89, Cl. 101-218.000.

Skierszkan, Simon J., to Mitel Corporation. Frequency doubler with duty cycle monitor means. 4,799,022, 1-17-89, Cl. 328-20.000.

Skierwiderski, Bernhard. Padded trunk holding ring possessing stakes. 4,848,027, 7-18-89, Cl. 47-42.000.

Skil Corporation: *See—*

Porth, Chris H., Jr., 4,804,048, Cl. 173-47.000.

Skilbeck, John P.: *See—*

Aneja, Viney P.; and Skilbeck, John P., 4,805,262, Cl. 159-47.100.

Skiles, Jerry W.: *See—*

Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,795,757, Cl. 514-415.000.

Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,843,081, Cl. 514-307.000.

Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,820,729, Cl. 514-542.000.

Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,831,184, Cl. 560-43.000.

Skille, Gene L., to Sween Corporation. Downrigger control board. 4,831,769, 5-23-89, Cl. 43-43.130.

Skillen, John D.; Coons, Melvin S.; and Brannstrom, Olav H., to Shiller-Globe Corporation. Sealing and guiding element for flush mounted movable automobile window. 4,800,681, 1-31-89, Cl. 49-440.000.

Skillin, David E. Manual back-up drive for artificial heart. 4,846,831, 7-11-89, Cl. 623-3.000.

Skilpack B.V.: *See—*

Killestijn, Cornelis, 4,798,302, Cl. 215-271.000.

Skilton Tools Limited: *See—*

Skarsten, Stephen R., 4,875,513, Cl. 144-286.00R.

Skimerhorn, James A.: *See—*

Hummel, Paul A.; Skimerhorn, James A.; and Harris, Geoffrey, 4,809,829, Cl. 188-322.150.

Skinn, Neil C.; and Freeland, Stephen J. Automatic musical instrument tuning system. 4,803,908, 2-14-89, Cl. 84-454.000.

Skinner, Alexander, to Plessey Overseas Limited. Optical transducer. 4,887,902, 12-19-89, Cl. 356-373.000.

Skinner, Bruce A. J. Biopsy needle. 4,873,991, 10-17-89, Cl. 128-754.000.

Skinner, Daniel R.: *See—*

Rogers, Max W.; and Skinner, Daniel R., 4,876,709, Cl. 379-61.000.

Skinner, Daniel S., Jr.: *See—*

De Leon, Jose; Ferguson, Thomas H.; and Skinner, Daniel S., Jr., 4,846,544, Cl. 623-66.000.

Skinner, David B.; and Ballard, Larry, to Shakespeare Company. Novel monofilaments and fabrics thereof. 4,801,492, 1-31-89, Cl. 428-224.000.

Skinner, David B.; and Ballard, Larry, to Shakespeare Company. Monofilaments, fabrics thereof and related process. 4,806,407, 2-21-89, Cl. 428-224.000.

Skinner, David J.; Chipko, Paul A.; and Okazaki, Kenji, to Allied-Signal Inc. An apparatus for forming aluminum-transition metal alloys having high strength at elevated temperatures. 4,805,686, 2-21-89, Cl. 164-423.000.

Skinner, David J.: *See—*

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,828,632, Cl. 148-437.000.

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,878,967, Cl. 148-437.000.

Adam, Colin M.; Bye, Richard L.; Das, Santosh K.; and Skinner, David J., 4,879,095, Cl. 420-548.000.

Skinner, Edward A.; and House, Donald E., to Elopak Limited. Method and apparatus for attaching a handle to a group of cartons. 4,819,410, 4-11-89, Cl. 53-413.000.

Skinner, Gordon R. B.; and Buchan, Alexander, to University of Birmingham. Preparing vaccine against *Herpes simplex* virus. 4,816,250, 3-28-89, Cl. 424-89.000.

Skinner, Gordon R. B.; and Buchan, Alexander, to Medical Research International Ltd. Method of preparing intracellular parasites for storage. 4,857,463, 8-15-89, Cl. 435-235.000.

Skinner, Gregory S.: *See—*

Skinner, Sara J.; and Skinner, Gregory S., 4,809,938, Cl. 248-102.000.

Skinner, James D. Safety apparatus for motor vehicles having modified control systems. 4,850,445, 7-25-89, Cl. 180-90.600.

Skinner, James L., to Atlantic Richfield Company. Method and apparatus for treating oil-water-solids sludges and refinery waste streams. 4,839,022, 6-13-89, Cl. 208-13.000.

Skinner, James L., to Atlantic Richfield Company. Method and apparatus for treating oil-water-solids sludges and refinery waste streams. 4,881,473, 11-21-89, Cl. 110-244.000.

Skinner, James W.; and Leeb, Fouad M., to Press-Seal Gasket Corporation. Pipe joint seal with bistable elastomeric sealing projection. 4,809,994, 3-7-89, Cl. 277-207.00A.

Skinner, Jeffrey D.; and McCormack, John S., to General Electric Company, p.l.c., The. Optical switch. 4,828,362, 5-9-89, Cl. 350-320.000.

Skinner, John C.: *See—*

Wilson, Alan D.; Prosser, Havard J.; Dunsdon, Anthony J.; Skinner, John C.; and Brookman, Pauline J., 4,836,768, Cl. 428-323.000.

Skinner, Kenneth R.; and Hitchcock, James E., to North American Philips Consumer Electronics Corp. Method and apparatus for generating an adaptive peaking signal increasing the sharpness of a video signal. 4,802,010, 1-31-89, Cl. 358-166.000.

Skinner, Malcolm: *See—*

Farrar, David; Flesher, Peter; Skinner, Malcolm; Clarke, John; Marshall, David; and Hawe, Malcolm, 4,880,858, Cl. 524-60.000.

Skinner, Malcolm E.: *See—*

Golan, Zvi; Skinner, Malcolm E.; and Chiesa, John A., 4,882,549, Cl. 331-14.000.

Skinner, Marjorie B.: *See—*

Snell, James B.; and Skinner, Marjorie B., 4,840,997, Cl. 525-210.000.

Skinner, Mark C.; and Schwartz, Thomas W., to Minnesota Mining and Manufacturing Company. Welding blanket. 4,849,273, 7-18-89, Cl. 428-102.000.

Skinner, Martha: *See—*

Sipe, Jean D.; Whitehead, Alexander S.; Cohen, Alan S.; and Skinner, Martha, 4,816,388, Cl. 435-6.000.

Skinner, Robert M. Game utilizing the sense of touch. 4,840,374, 6-20-89, Cl. 273-1.00G.

Skinner, Sara J.; and Skinner, Gregory S. Baby bottle holder. 4,809,938, 3-7-89, Cl. 248-102.000.

Skinner, Timothy J.; Spurney, Joseph L.; and Ma, Weining, to General Motors Corporation. Variable displacement compressor passive destroker. 4,872,814, 10-10-89, Cl. 417-222.000.

Skinner, William J.: *See—*

Leete, John H., II; and Skinner, William J., 4,835,912, Cl. 52-648.000.

Skinner, Willie C., Sr.: *See—*

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  - Aldridge, James H.; and Maitland, Arvin H., 4,826,376, Cl. 411-237.000.
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  - Brennan, Matthew T.; and Moruzzi, James A., 4,830,551, Cl. 408-82.000.
- Smagula, Billie T. Belt holder. 4,874,100, 10-17-89, Cl. 211-60.100.
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  - Badger, Douglas V.; Small, Billy L., and Stanfeld, Philip K., 4,822,412, Cl. 75-63.000.
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  - Atkinson, Arthur H.; and Buttolph, David E., 4,796,602, Cl. 126-59.500.
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  - Kann, Frederick P., and Small, James L., 4,828,198, Cl. 242-72.00B.
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  - Matthiesen, Martin; and Small, Michelle, 4,861,966, Cl. 219-205.000.
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- Smeltzer, Paul: *See—*
  - Ory, Raymond J.; and Smeltzer, Paul, 4,874,147, Cl. 248-210.000.
- Smeltzer, Thomas: *See—*
  - Klinedinst, Paul W.; and Smeltzer, Thomas, 4,834,643, Cl. 425-537.000.
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- Smetana, Klaus: *See—*
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  - Cendre, Andre ; and Boulet, Jean, 4,821,817, Cl. 175-269.000.
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  - Krasuski, Marek; Gregoire, Jean-Pierre; and Gerbaud, Claude, 4,840,696, Cl. 156-353.000.
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- Smith, Donald P. Method and apparatus for water vapor control in convection ovens. 4,876,426, 10-24-89, Cl. 219-10.55A.
- Smith, Donald P.: *See—*
  - Hwang, Yong Y.; and Smith, Donald P., 4,834,063, Cl. 126-21.00A.
- Smith, Donald S.: *See—*
  - Nelson, Carl W.; Smith, Donald S.; and Turner, Frank P., 4,856,943, Cl. 408-1.00R.
- Smith, Donald W.; and Plociennik, James J., to Barber-Greene Company. Road widener. 4,861,191, 8-29-89, Cl. 404-104.000.
- Smith, Donald W.: *See—*
  - Brock, James D.; Smith, Donald W.; and Renneck, John P., 4,818,139, Cl. 404-81.000.
- Smith, Douglas C., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Noise measurement probe. 4,879,507, 11-7-89, Cl. 324-57.00N.
- Smith, Douglas D.: *See—*
  - Kertis, Robert A.; and Smith, Douglas D., 4,820,967, Cl. 323-314.000.
  - Kertis, Robert A.; Smith, Douglas D.; and Bowman, Terrance L. 4,855,624, Cl. 307-475.000.
- Smith, Douglas N.: *See—*
  - Smith, Richard H.; and Smith, Douglas N., 4,821,680, Cl. 119-27.000.
- Smith, Douglas W. P., to Devron-Hercules, Inc. Dielectric cross machine moisture control. 4,873,407, 10-10-89, Cl. 219-10.430.
- Smith, Dwight; and Harris, Robert S., to Stant Inc. Two-stage fuel cap. 4,795,050, 1-3-89, Cl. 220-85.0VR.
- Smith, Dwight L.; and Elkins, Marvin. Insect trapping mat. 4,852,517, 8-1-89, Cl. 119-1.000.
- Smith, E. Dallas: *See—*
  - Cooper, Herbert E.; de Fazekas, Josef P.; and Smith, E. Dallas. 4,878,691, Cl. 280-189.000.
- Smith, E. Phillip; and Wu, Stephen H., to Eastman Kodak Company. Rumen-stable compositions. 4,808,412, 2-28-89, Cl. 424-442.000.
- Smith, E. Phillip: *See—*
  - Wu, Stephen H. W.; Kirk, Shane K.; Perry, Kenneth P.; Smith, E. Phillip; Chang, Yeong-Ho; and Jenkins, Waylon L., 4,837,0 Cl. 424-438.000.
- Smith, Earnest C.: *See—*
  - Currie, James R.; Kissel, Ralph R.; Oliver, Charles E.; Smith, Earnest C.; Redmon, John W.; Wallace, Charles C.; and Swanson, Charles P., 4,821,425, Cl. 33-520.000.
- Smith, Edward. Tail bridge. 4,853,999, 8-8-89, Cl. 14-69.500.
- Smith, Edward B.; Smith, William B.; Rogers Jr., Elmer V.; and Spuat John A., to Pipe Line Development Company, The. Collet grip riser fitting. 4,832,379, 5-23-89, Cl. 285-323.000.
- Smith, Edward D.: *See—*
  - Sasmor, Louis; and Smith, Edward D., 4,825,869, Cl. 128-419.0PT.
- Smith, Edward F., to Olin Corporation. Sealing glass composite. 4,801,488, 1-31-89, Cl. 428-209.000.
- Smith, Edward F., III; and Hoffman, Lewis C., to Olin Corporation. Sealing glass composite. 4,818,730, 4-4-89, Cl. 501-15.000.
- Smith, Edward F., III: *See—*
  - Pryor, Michael J.; Eppler, Richard A.; Smith, Edward F., III; and Butt, Sheldon H., 4,805,009, Cl. 357-70.000.
  - Rothgery, Eugene F.; Hart, William W. C.; Smith, Edward F., III; Phillips, Steven D.; Sandel, Bonnie B.; and Gavin, David F. 4,812,896, Cl. 357-70.000.
- Smith, Edward J., to ALC Co., Inc. Abrasive blasting system. 4,802,313, 2-7-89, Cl. 51-438.000.
- Smith, Edward J.: *See—*
  - Nowak, Thomas E.; Smith, Edward J.; and Vassiliou, Eustathios 4,874,277, Cl. 411-61.000.
- Smith, Edward L., to Budd Company, The. Frost plug heater 4,851,640, 7-25-89, Cl. 219-208.000.
- Smith, Edward M.; and Cornelison, Richard C., to W. R. Grace & Co.-Conn. Waste heat recovery system. 4,875,436, 10-24-89, Cl. 122-7.00R.
- Smith, Edward M.: *See—*
  - Alcorn, William R.; Bullock, Wesley P.; Smith, Edward M.; and Whittenberger, William A., 4,869,738, Cl. 55-267.000.
- Smith, Eldon C. Portable slack adjuster lock. 4,809,820, 3-7-89, Cl. 188-79.550.
- Smith, Elizabeth M.: *See—*
  - Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M. 4,808,573, Cl. 514-19.000.
  - Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M. 4,818,749, Cl. 514-19.000.
  - Gold, Elijah H.; Neustadt, Bernard R.; and Smith, Elizabeth M. 4,831,157, Cl. 548-452.000.
  - Haslanger, Martin F.; Neustadt, Bernard R.; and Smith, Elizabeth M., 4,801,609, Cl. 514-506.000.
  - Watkins, Robert; Doll, Ronald J.; Neustadt, Bernard R.; Smith, Elizabeth M.; Magatti, Charles V.; and Gold, Elijah H. 4,840,772, Cl. 422-61.000.
- Smith, Ellis D.; and Smith, Tyrone, Jr. Fishing pole support apparatus 4,854,069, 8-8-89, Cl. 43-21.200.
- Smith Engineering: *See—*
  - Baer, Ralph H., 4,846,693, Cl. 434-308.000.
  - Baer, Ralph H.; Curran, Kenneth J.; and Smith, Jay, III, 4,875,09 Cl. 358-143.000.
- Smith, Eric M.: *See—*
  - Blalock, J. Edwin; Smith, Eric M.; and Bost, Kenneth L., 4,863,8 Cl. 435-68.000.
- Smith, Ernest L., to Sealright Co., Inc. Composite disk valve for dispensing cartridges. 4,830,231, 5-16-89, Cl. 222-327.000.
- Smith, Eugene A., Jr.: *See—*
  - Deno, Milton C.; Smith, Eugene A., Jr.; and Delaruelle, Dale H. 4,859,000, Cl. 303-33.000.
- Smith, Eugene C.: *See—*
  - Jacuzzi, Remo; and Smith, Eugene C., 4,852,190, Cl. 4-192.000.
- Smith, Floyd D.: *See—*
  - McNab, Donald R.; and Smith, Floyd D., 4,854,202, Cl. 83-153.000.
- Smith, Francis L., to Central Mine Equipment Company. Metal faced soft tracks. 4,795,222, 1-3-89, Cl. 305-35.0EB.
- Smith, Francis M. Carrier for spraycoating auto light covers. 4,796,59 1-10-89, Cl. 118-500.000.
- Smith, Francis X.: *See—*
  - Ogunbiyi, Lai; Smith, Francis X.; and Riedhammer, Thomas M. 4,836,986, Cl. 422-28.000.
  - Riedhammer, Thomas M.; and Smith, Francis X., 4,820,352, Cl. 134-30.000.
- Smith, Frank A. F.; and Ludlow, Trevor A., to Redland Roof Tiles Limited. Cutting mechanisms. 4,856,395, 8-15-89, Cl. 83-158.000.

- Smith, Frank J.; and Roper, Jerry M., to Ethyl Corporation. (S) α-(cyano-3-phenoxy-benzyl acetate. 4,827,013, 5-2-89, Cl. 558-406.000.
- Smith, Frank T. J., to Eastman Kodak Company. Processes for their manufacture of monolithically integrated planar lasers differing in emission wavelengths. 4,888,085, 12-19-89, Cl. 156-613.000.
- Smith, Franklin G. Temple fastener for eyeglass frames. 4,844,606, 7-4-89, Cl. 351-153.000.
- Smith, Franklin R., to Borg-Warner Automotive, Inc. Two-speed alternator drive. 4,862,770, 9-5-89, Cl. 74-789.000.
- Smith, Franklin R.: *See—*
  - Butterfield, Roger P.; and Smith, Franklin R., 4,862,845, Cl. 123-90.150.
  - Hoffmann, Peter D.; and Smith, Franklin R., 4,869,708, Cl. 474-140.000.
- Smith, Fritz A.: *See—*
  - Aviden, Amos A.; Smith, Fritz A.; and Tabak, Samuel A., 4,855,521, Cl. 585-415.000.
- Smith, Gale E.; and Summers, Max D., to Texas A&M University System, The. Method for producing a recombinant baculovirus expression vector. 4,879,236, 11-7-89, Cl. 435-235.000.
- Smith, Garry D. F.; and Manderson, William, to Xerox Canada, Inc.; and Associated Management Group. Collapsible transporter module and method of using same. 4,884,935, 12-5-89, Cl. 414-498.000.
- Smith, Gary L., to Brammall, Inc. Snap lock assembly. 4,802,699, 2-7-89, Cl. 292-327.000.
- Smith, Gary L.: *See—*
  - Magnussen, Haakon T., Jr.; Moeller, Roy P.; Palmer, Phillip S.; and Smith, Gary L., 4,839,248, Cl. 429-49.000.
- Smith, Gary W., to SIFCO Industries, Inc. Selective electroplating apparatus. 4,853,099, 8-1-89, Cl. 204-224.00R.
- Smith, Gaylord D.; Tassen, Curtis S.; Ganesan, Pasupathy; and Wheeler, Jack M., to Inco Alloys International, Inc. Nickel-base alloy. 4,877,461, 10-31-89, Cl. 148-11.50N.
- Smith, Gaylord D.; and Tassen, Curtis S., to INCO Alloys International, Inc. Sulfidation/oxidation resistant alloys. 4,882,125, 11-21-89, Cl. 420-443.000.
- Smith, Gaylord D.: *See—*
  - de Freitas Couto Rosa, Eduardo; and Smith, Gaylord D., 4,867,116, Cl. 123-188.0AA.
  - Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.
- Smith, Gene A. Smitty table. 4,856,434, 8-15-89, Cl. 108-53.100.
- Smith, Geoffrey W., to Dow Chemical Company, The. Microcapsules and methods for their preparation. 4,808,206, 2-28-89, Cl. 71-64.070.
- Smith, George C., to Soekor (Proprietary) Limited. Process for directly detecting the presence of hydrocarbons in a rock formation. 4,817,060, 3-28-89, Cl. 367-52.000.
- Smith, George C. Air filter housing assembly for gasoline engine power tools. 4,871,381, 10-3-89, Cl. 55-385.300.
- Smith, George D. K.; Hughett, James D.; and Warman, Thomas E., to Ethicon, Inc. Surgical stapler and methods. 4,796,793, 1-10-89, Cl. 277-19.000.
- Smith, George S.; and Crocker, David C., to Banton, Inc. Quick release peppermill grinder assembly. 4,865,258, 9-12-89, Cl. 241-169.100.
- Smith, George W.: *See—*
  - Vaz, Nuno A.; VanSteenkiste, Thomas H.; and Smith, George W., 4,845,329, Cl. 219-10.810.
- Smith, Gerald A., to Amersham International PLC. [2,2,1]Cryptand compounds that selectively bind sodium. 4,843,158, 6-27-89, Cl. 540-469.000.
- Smith, Gerald A.: *See—*
  - Sadoff, Armin M.; Nelson, Richard C.; Smith, Gerald A.; Johnstonbaugh, Joseph; and Sadoff, Steven J., 4,884,445, Cl. 73-379.000.
- Smith, Gerald J.; and Trask, Elwood G., to Gates Formed-Fibre Products, Inc. Preferentially needled textile panel and method. 4,818,586, 4-4-89, Cl. 428-198.000.
- Smith, Gerald J.; Trask, Elwood G.; Ellis, Paul; Johnston, Jon; Campbell, Brian; and Rorie, Leon, to Gates Formed-Fibre Products, Inc. Formable fiber composite. 4,888,234, 12-19-89, Cl. 428-234.000.
- Smith, Gerald N.; and Varnum, Ronald E. Truck bed rim frame with express access flap. 4,848,824, 7-18-89, Cl. 296-100.000.
- Smith, Gerald V.: *See—*
  - Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.
- Smith, Gerard. Cover assembly for exteriorly mounted mirror on an automobile or like vehicle. 4,834,157, 5-30-89, Cl. 150-166.000.
- Smith, Gilbert W.; Daniel, Mervyn F.; Barton, John W.; and Ratcliffe, Norman M., to United Kingdom of Great Britain and Northern Ireland. The Secretary of State for Defence in Her Majesty's Government of the. Langmuir blodgett films. 4,876,150, 10-24-89, Cl. 428-411.100.
- Smith, Gillan C.: *See—*
  - Carroll, Paul E.; James, Roy W., III; Bowen, Charles K.; and Smith, Gillan C., 4,875,166, Cl. 364-421.000.
- Smith, Glenn S., to Beebe International Inc. Pneumatic pendant. 4,830,049, 5-16-89, Cl. 137-596.000.
- Smith, Gordon. Method and apparatus for conditioning the litter on the floor of a poultry rearing facility. 4,854,507, 8-8-89, Cl. 241-27.000.
- Smith, Gordon C. D., to Glaxo Group Limited. Process for preparing cephalosporin compounds. 4,803,267, 2-7-89, Cl. 540-224.000.
- Smith, Gordon H.: *See—*
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,816,901, Cl. 358-13.000.
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,843,466, Cl. 358-133.000.
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,847,677, Cl. 358-13.000.
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,849,807, Cl. 358-13.000.
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,857,991, Cl. 358-13.000.
  - Music, John; Smith, Gordon H.; and Thomas, James L., 4,857,993, Cl. 358-13.000.
- Smith, Gordon K. Gutter cleaning tool, with a multi-positional and self-locking joint, that can be remotely operated by hand from an oblique angle. 4,848,818, 7-18-89, Cl. 294-19.100.
- Smith, Gordon N. Self-actuating collapsible transport cart. 4,856,810, 8-15-89, Cl. 280-639.000.
- Smith, Graham: *See—*
  - Bates, Trevor; Smith, Graham; and Fulks, Gary C., 4,805,427, Cl. 70-264.000.
- Smith, Gregg L.; and Choi, Mansam, to Adams Rite Manufacturing Company. Fire responsive safety door assembly. 4,824,150, 4-25-89, Cl. 292-92.000.
- Smith, Gregory: *See—*
  - Hall, Nelson W.; and Smith, Gregory, 4,867,090, Cl. 114-61.000.
- Smith, Gregory L. Cable release mechanism. 4,826,229, 5-2-89, Cl. 294-82.270.
- Smith, Hal W., Jr., to Orthodyne Electronics Corporation. Dual mode ultrasonic generator in a wire bonding apparatus. 4,824,005, 4-25-89, Cl. 228-1.100.
- Smith, Harold A.: *See—*
  - Hannah, Bruce R.; Eldon, James B.; Armstrong, Eric J.; Smith, Harold A.; and Campbell, Philip J., 4,826,123, Cl. 248-248.000.
- Smith, Harold R.; and Kemp, Eric E., to Chevron Research Company. Pipeline rehabilitation method utilizing articulated gasketed-joint pipe. 4,848,407, 7-18-89, Cl. 138-97.000.
- Smith, Harry C. Valved vent assembly for a body collection pouch. 4,863,447, 9-5-89, Cl. 604-335.000.
- Smith, Harry D., Jr.; and Gadeken, Larry L., to Halliburton Logging Services Inc. Method for determining depth of penetration of radioactive tracers in formation fractures. 4,825,073, 4-25-89, Cl. 250-260.000.
- Smith, Harry D., Jr., to Halliburton Logging Services Inc. Method and apparatus for reducing radioactive hazards in well boreholes. 4,857,728, 8-15-89, Cl. 250-260.000.
- Smith, Harry D., Jr.: *See—*
  - Gadeken, Larry L.; and Smith, Harry D., Jr., 4,857,729, Cl. 250-260.000.
- Smith, Harry E.; and Riedner, William E., to Jervis B. Webb Company. Storage and retrieval machine for tote pans. 4,812,102, 3-14-89, Cl. 414-280.000.
- Smith, Harry F. Minimal connectivity parallel data processing system. 4,858,177, 8-15-89, Cl. 364-900.000.
- Smith, Helene S.: *See—*
  - Hancock, Miriam E. C.; Smith, Helene S.; and Hackett, Adeline J., 4,816,395, Cl. 435-29.000.
- Smith, Henry I.; Anderson, Erik H.; and Schattenburg, Mark L., to Massachusetts Institute of Technology. Lithography mask with a π-phase shifting attenuator. 4,890,309, 12-26-89, Cl. 378-35.000.
- Smith, Herman W., to Upjohn Company, The. Cyclopentapyrazole and tetrahydroindazole compounds and their use as anti-inflammatory and anti-allergic agents. 4,851,425, 7-25-89, Cl. 514-406.000.
- Smith, Homer G., Jr.: *See—*
  - Hill, Guy J.; Smith, Homer G., Jr.; Schnitker, Mark W.; and Beatty, Glenn E., 4,811,800, Cl. 175-323.000.
- Smith, Howard A.: *See—*
  - Taylor, Charles J.; Grossman, Julius; Fischer, Jacqueline; Smith, Howard A.; Peckerar, Martin C.; and Rebbert, Milton L., 4,818,661, Cl. 430-320.000.
- Smith, Howard C.: *See—*
  - Anderson, Robert C.; Houlihan, William J.; Smith, Howard C.; and Villhauer, Edwin B., 4,845,129, Cl. 514-600.000.
- Smith, Hubert S.: *See—*
  - Tonokowa, Hiroshi; Ekker, Emil; and Smith, Hubert S., 4,823,981, Cl. 220-414.000.
  - Tonokowa, Hiroshi; Ekker, Emil; and Smith, Hubert S., 4,869,762, Cl. 156-186.000.
- Smith, I. Stuart: *See—*
  - Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Richard, 4,804,896, Cl. 318-568.000.
  - Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Xiaochuan R., 4,816,727, Cl. 318-568.000.
- Smith, Ian J.: *See—*
  - Burt, Peter C. W.; Smith, Ian J.; and Wyatt, David A., 4,863,073, Cl. 222-402.200.
- Smith, Ian R.: *See—*
  - Lindow, James T.; Bennett, Simon D.; and Smith, Ian R., 4,847,823, Cl. 369-110.000.
- Smith International, Inc.: *See—*
  - Chia, Weng-Kwen R.; and Anderson, George F., 4,822,057, Cl. 277-84.000.
  - Chia, Weng-Kwen R.; and Anderson, George F., 4,824,123, Cl. 277-84.000.
  - Hall, David R., 4,802,539, Cl. 175-329.000.
  - Hebel, James B., 4,811,597, Cl. 73-151.000.
  - Jones, Kenneth W., 4,813,500, Cl. 175-329.000.
  - Jones, Kenneth W., 4,846,290, Cl. 175-269.000.
  - Jones, Kenneth W.; and Fyfe, George, 4,858,707, Cl. 175-329.000.

Kar, Naresh J.; and Oldham, Thomas W., 4,869,329, Cl. 175-57.000.
Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., 4,836,307, Cl. 175-374.000.
Minikus, James C.; and Cawthorne, Chris E., 4,832,139, Cl. 175-374.000.
Salesky, William J.; and Campbell, Bruce L., 4,811,801, Cl. 175-329.000.
Uyehara, Hajime, 4,851,068, Cl. 156-245.000.

Smith International (North Sea) Limited: *See—*
Springer, Johann, 4,842,082, Cl. 175-279.000.

Smith Inventions Inc.: *See—*
Smith, Nathaniel, 4,850,072, Cl. 15-147.00R.

Smith, Ira A., to Coca-Cola Company, The. Motorless carbonator. 4,889,662, 12-26-89, Cl. 261-35.000.

Smith, Irl W.: *See—*
Dorschner, Terry A.; Smith, Irl W.; and Statz, Hermann, 4,813,774, Cl. 350-622.000.

Smith, Jack B., to Fiber Materials, Inc. Hollow composite body having an axis of symmetry. 4,847,063, 7-11-89, Cl. 423-445.000.

Smith, Jack E., to General Motors Corporation. Bellows system for deflating weatherstrips. 4,805,347, 2-21-89, Cl. 49-477.000.

Smith, Jack L., to Design Packaging, Inc. Consumable deflector tent. 4,836,270, 6-6-89, Cl. 164-412.000.

Smith, Jackson H., to Eaton Corporation. Electric switch housing with dust tight chamber captivating wire termination screws. 4,812,605, 3-14-89, Cl. 200-284.000.

Smith, James, to U.S. Philips Corporation. Cathode ray display tube having external magnetic shield. 4,845,402, 7-4-89, Cl. 313-422.000.

Smith, James, Jr.: *See—*
Hafer, Paul H.; Hanson, Bradley W.; Porter, Jeffrey D.; and Smith, James, Jr., 4,828,011, Cl. 164-255.000.

Smith, James A.: *See—*
Henze, Christopher P.; and Smith, James A., 4,885,675, Cl. 363-26.000.
Norton, Edward J.; Fram, Craig F.; Graham, Kenneth W.; and Smith, James A., 4,876,053, Cl. 264-255.000.

Smith, James C.: *See—*
Lindsay, Tom E.; and Smith, James C., 4,878,845, Cl. 434-238.000.

Smith, James D., Jr.: *See—*
Graham, Randall C.; and Smith, James D., Jr., 4,808,926, Cl. 324-226.000.
Graham, Randall C.; Smith, James D., Jr.; and Smith, Jeffrey S., 4,812,721, Cl. 318-66.000.

Smith, James E.; and Nash, Mark A., to West Virginia University. Token operating system for an electronic device. 4,838,404, 6-13-89, Cl. 194-212.000.

Smith, James E., to Graves Spray Supply, Inc. Internal mix spray gun cartridge. 4,846,404, 7-11-89, Cl. 239-400.000.

Smith, James E., to Graves Spray Supply Co., Inc. Compact spray gun. 4,848,665, 7-18-89, Cl. 239-411.000.

Smith, James E.: *See—*
Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.

Smith, James F., to Eaton Corporation. Penning type cathode for sputter coating. 4,810,347, 3-7-89, Cl. 204-298.000.

Smith, James F.: *See—*
Bennett, William R.; Mix, Tom; and Smith, James F., 4,802,684, Cl. 280-291.000.
Class, Walter H.; and Smith, James F., 4,842,703, Cl. 204-192.120.

Smith, James H.: *See—*
Nasatka, Ralph G.; and Smith, James H., 4,850,737, Cl. 404-6.000.

Smith, James R., to Deere & Company. Stroke limiter for hydraulic cylinder. 4,821,624, 4-18-89, Cl. 91-401.000.

Smith, James S.: *See—*
Kegel, Andrew J.; Spencer, James R.; Smith, James S.; Rhodes, Russell H.; and Mullendore, James A., 4,836,108, Cl. 102-306.000.

Smith, James W.; Bartlett, Marilyn S.; and Queener, Sherry F., to Indiana University Foundation. Method for treating pneumocystis carinii pneumonia patients with clindamycin and primaquine. 4,835,140, 5-30-89, Cl. 514-24.000.

Smith, James W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Radio communication system using synchronous frequency hopping transmissions. 4,850,036, 7-18-89, Cl. 455-179.000.

Smith, James W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc., a part interest. Radio communication system having autonomously selected transmission frequencies. 4,872,205, 10-3-89, Cl. 455-58.000.

Smith, Jay, III: *See—*
Baer, Ralph H.; Curran, Kenneth J.; and Smith, Jay, III, 4,875,096, Cl. 358-143.000.

Smith, Jay A. Apparatus for loading and unloading the leader block of a tape cartridge. 4,826,101, 5-2-89, Cl. 242-195.000.

Smith, Jay A., to Laser Magnetic Storage International Company. Apparatus for coupling a drive motor to a leader block loading/unloading mechanism. 4,828,201, 5-9-89, Cl. 242-195.000.

Smith, Jeffery W. Apparatus for and method of testing visual acuity. 4,838,684, 6-13-89, Cl. 351-239.000.

Smith, Jeffrey S.: *See—*
Graham, Randall C.; and Smith, Jeffrey S., 4,797,662, Cl. 340-677.000.
Graham, Randall C.; Smith, James D., Jr.; and Smith, Jeffrey S., 4,812,721, Cl. 318-66.000.

Smith, Jerry D., to Cameron Iron Works USA, Inc. Wellhead valve. 4,825,945, 5-2-89, Cl. 166-86.000.

Smith, Jerry D.: *See—*
Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M.; Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davis, Timothy C., 4,869,319, Cl. 166-115.000.
Vanderford, Delbert E., Jr.; and Smith, Jerry D., 4,828,291, Cl. 285-147.000.

Smith, Jerry H.; and Stephen, John F., to ICI Americas Inc. Noncrystalline tris(4-hydroxy-2-methyl-5-tert-butylphenyl) butane. 4,801,7 1-31-89, Cl. 568-720.000.

Smith, Jerry J., to Power Systems, Inc. Active snubber forward converter. 4,870,554, 9-26-89, Cl. 363-20.000.

Smith, Jerry W.; and Siena, Deborah R., to Difco Laboratories. Centrifugation vial and cluster tray. 4,829,006, 5-9-89, Cl. 435-301.000.

Smith, Jesse E., Jr. Fish fillet retainer device. 4,797,974, 1-17-89, Cl. 17-45.000.

Smith, Jimmy L. Hinged closure attachment for insulated beverage container. 4,872,577, 10-10-89, Cl. 220-85.0CH.

Smith, Joe: *See—*
Bell, David C.; and Smith, Joe, 4,885,967, Cl. 83-520.000.

Smith, Joel C., Jr. Self-aligning post cutting jig. 4,889,329, 12-26-89, Cl. 269-2.000.

Smith-Johannsen, Robert: *See—*
Berg, Johannes G.; and Smith-Johannsen, Robert, 4,820,345, Cl. 106-18.120.

Smith, John, III, to Precision Automation Co., Inc. Shaping apparatus and method. 4,841,826, 6-27-89, Cl. 83-862.000.

Smith, John A. G., to Darenth Equipment, Ltd. Fluid dispensing apparatus and method of operation thereof. 4,844,297, 7-4-89, Cl. 222-1.000.

Smith, John A. S., to National Research Development Corporation. Methods and apparatus for detecting certain compounds. 4,887,0 12-12-89, Cl. 324-307.000.

Smith, John D.; and Vanes, Stephen E., to Lucas Industries Public Limited Company. Manufacture of corrosion resistant components. 4,881,983, 11-21-89, Cl. 148-16.600.

Smith, John F.: *See—*
Bongiorno, Robert A.; and Smith, John F., 4,843,399, Cl. 342-404.000.

Smith, John I.: *See—*
Jarvis, Wilbur W.; and Smith, John I., 4,822,241, Cl. 415-132.00

Smith, John J.: *See—*
Guch, Steve, Jr.; and Smith, John J., 4,826,304, Cl. 350-618.00
Riseman, John H., deceased; Smith, John J.; d'Entremont, Alan M.; and Goldman, Craig E., 4,800,442, Cl. 358-280.000.

Smith, John L.: *See—*
Saros, Stephen; Smith, John L.; Cassaday, Michael M.; Henn, Rand E.; and Pelavin, Milton H., 4,853,336, Cl. 436-53.000.

Smith, John M., to Nestle S.A. Universal fit intraocular lens. 4,872,8 10-10-89, Cl. 623-6.000.

Smith, John R. E.: *See—*
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,809,237, Cl. 367-35.000.
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., 4,834,209, Cl. 181-105.000.

Smith, John S. Crayfish harvester. 4,858,363, 8-22-89, Cl. 43-6.500.

Smith, John W.: *See—*
Hendy, Brian N.; and Smith, John W., 4,820,419, Cl. 210-651.00

Smith, Joseph L., Jr.: *See—*
Crunkleton, James A.; and Smith, Joseph L., Jr., 4,862,696, Cl. 62-6.000.

Smith, Joseph M.: *See—*
Cohen, Richard J.; and Smith, Joseph M., 4,802,491, Cl. 128-702.000.

Smith, Judson D., Jr.: *See—*
Wigg, Martin E.; Peckjian, Bryan M.; and Smith, Judson D., Jr., 4,852,766, Cl. 221-96.000.

Smith, Judson L.: *See—*
Crisp, William E.; Kudlicki, Richard C.; and Smith, Judson L., 4,817,651, Cl. 134-102.000.

Smith, Karin G. L. Two-way mailing envelope for an audio cass 4,846,348, 7-11-89, Cl. 206-387.000.

Smith, Katharine F., to Hasbro, Inc. Tent construction. 4,823,8 4-25-89, Cl. 135-120.000.

Smith, Keith E. Gutter broom with locking mechanism. 4,854,0 8-8-89, Cl. 15-176.600.

Smith, Kelvin M.: *See—*
Richtmeyer, Robert D.; and Smith, Kelvin M., 4,886,679, Cl. 464-111.000.

Smith, Ken: *See—*
Welker, Robert H.; and Smith, Ken, 4,850,669, Cl. 350-96.200

Smith, Kenneth H.: *See—*
Hallam, Keith J.; and Smith, Kenneth H., 4,884,511, Cl. 105-247.000.
Marulic, Walter J.; and Smith, Kenneth H., 4,813,359, Cl. 105-199.500.

Smith, Kenneth J. Sprue bushing with automatically activated ga 4,828,480, 5-9-89, Cl. 425-562.000.

Smith, Kenneth L.; and Field, Edgar L., Jr., to Coburn Optical Industries, Inc. Lens grinding methods and apparatus. 4,866,884, 9-19-8 Cl. 51-284.00R.

Smith, Kenneth M.: *See—*
Horne, Warren L.; Kunz, Nans; Luna, Philip M.; Roberts, Andrew C.; Smith, Kenneth M.; and Smith, Ronald C., 4,845,993, Cl. 73-147.000.

Smith, Kenneth R.: *See—*
Hossain, Shafi U.; and Smith, Kenneth R., 4,828,912, Cl. 428-289.000.

Smith, Kenneth W.: *See—*
Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., 4,880,018, Cl. 131-375.000.
Toft, Howard C.; Smith, Kenneth W.; and Carpenter, Carolyn R., 4,821,749, Cl. 131-575.000.

Smith, Kennith A., to Johns Hopkins University, The. Method for reducing silicone foam density. 4,855,328, 8-8-89, Cl. 521-88.000.

Smith, Kennith A.; and Haig, Connie L., to General Electric Company. Method for reducing silicone foam density and silicone foam compositions. 4,879,317, 11-7-89, Cl. 521-82.000.

Smith, Kevin J. Wheel-about greenhouse. 4,794,727, 1-3-89, Cl. 47-17.000.

Smith, Kevin K., and Allsop, Bryan E., to Tektronix, Inc. Method and apparatus for combining an optical and electrical channel in an oscilloscope. 4,859,935, 8-22-89, Cl. 324-121.00R.

Smith, Kevin K.; Allsop, Bryan E.; and Naik, Seb, to Tektronix, Inc. Thermally stabilized optical preamplifier. 4,882,482, 11-21-89, Cl. 250-214.00A.

Smith, Kevin K.: *See—*
Allsop, Bryan E.; Mabbitt, Allen W.; and Smith, Kevin K., 4,889,985, Cl. 250-214.00A.

Smith, Kevin M.: *See—*
Lai, Jan-Ji; Smith, Kevin M.; and McCaul, Bruce W., 4,882,234, Cl. 514-185.000.

Smith, Kevin W., to Viking Corporation, The. Method and apparatus for vacuum testing glass bulbs for sprinklers. 4,831,870, 5-23-89, Cl. 73-49.300.

Smith, Kevin W.; and Slater, Charles R., to Cordis Corporation. Hand-held pneumatic power assisted syringe. 4,861,340, 8-29-89, Cl. 604-141.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D. Quaternary ammonium compounds. 4,824,867, 4-25-89, Cl. 514-642.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D., to Ethyl Corporation. Quaternary ammonium compounds. 4,874,784, 10-17-89, Cl. 514-517.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D., to Ethyl Corporation. Quaternary ammonium compounds. 4,874,785, 10-17-89, Cl. 514-526.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D., to Ethyl Corporation. Quaternary ammonium compounds. 4,874,788, 10-17-89, Cl. 514-534.000.

Smith, Kim R.; Borland, James E.; and Sauer, Joe D., to Ethyl Corporation. Quaternary ammonium compounds. 4,874,789, 10-17-89, Cl. 514-551.000.

Smith, Kim R.; Sauer, Joe D.; and Borland, James E., to Ethyl Corporation. Quaternary ammonium compounds. 4,883,917, 11-28-89, Cl. 564-292.000.

Smith, Kim R., to Ethyl Corporation. Process for preparing alkoxylated tertiary amines. 4,888,447, 12-19-89, Cl. 564-480.000.

Smith Kline Dauelsberg GmbH: *See—*
Brune, Kay, 4,851,443, Cl. 514-563.000.
Gottwald, Eberhard F.; and Machoczek, Horst M., 4,861,592, Cl. 424-687.000.

Smith Kline & French Laboratories Limited: *See—*
Brown, Thomas H., 4,808,589, Cl. 514-269.000.
Coates, William J.; and Kruse, Lawrence I., 4,861,773, Cl. 514-222.800.
Coates, William J., 4,885,301, Cl. 514-263.000.
Cooper, David G.; Miles, Peter D.; and Young, Rodney C., 4,863,933, Cl. 514-314.000.
Ellis, David; Emmett, John C.; Underwood, Anthony H.; and Leeson, Paul D., 4,826,876, Cl. 514-535.000.
Gribble, Andrew D., 4,866,076, Cl. 514-307.000.
Ife, Robert J.; Brown, Thomas H.; and Leach, Colin A., 4,806,549, Cl. 514-313.000.
Ife, Robert J.; and Brown, Thomas H., 4,820,708, Cl. 514-232.800.
Owen, David A. A., 4,824,860, Cl. 514-418.000.
Roe, Anthony M.; Coates, William J.; Slater, Robert A.; and Breukelman, Stephen P., 4,820,819, Cl. 544-239.000.
Sach, George S., 4,863,936, Cl. 514-332.000.

Smith, Kristin S. Skipping rope assembly. 4,872,666, 10-10-89, Cl. 272-75.000.

Smith, Kyle C.: *See—*
Tustin, Gerald C.; Smith, Kyle C.; and Rule, Mark, 4,853,480, Cl. 170-100.000.

Smith, Landon: *See—*
Crum, Jimmy D.; and Smith, Landon, 4,865,688, Cl. 156-78.000.
Scott, Richard L.; Martin, John J.; and Smith, Landon, 4,798,644, Cl. 156-324.000.

Smith, Larry D.: *See—*
Semmons, Larry P.; Smith, Larry D.; and Carter, William P., 4,869,179, Cl. 108-56.100.

Smith, Larry E. Crimper bar set for forming hermetically sealed packages. 4,807,426, 2-28-89, Cl. 53-550.000.

Smith, Larry N.: *See—*
Phillips, David L.; and Smith, Larry N., 4,866,917, Cl. 56-7.000.

Smith, Lawrence A., Jr., to Chemical Research & Licensing Company. Alkylation of organic aromatic compounds. 4,849,569, 7-18-89, Cl. 585-446.000.

Smith, Lawrence E.: *See—*
Rodriguez-Cavazos, Enrique; Wetta, Steven C.; Smith, Lawrence E.; and Henig, Sammy S., 4,866,525, Cl. 358-190.000.
Stephens, Joseph C.; Smith, Lawrence E.; and Boyer, Michael E., 4,812,719, Cl. 315-411.000.

Smith, Lawrence G., to Republic Money Orders, Inc. Apparatus for dispensing money orders. 4,812,986, 3-14-89, Cl. 364-479.000.

Smith, Lawrence G., to Republic Money Orders, Inc. Method and apparatus for dispensing money orders. 4,870,596, 9-26-89, Cl. 364-479.000.

Smith, Lawrence J., to Pitney Bowes Inc. System for curing adhesive in the manufacture of transducers. 4,804,433, 2-14-89, Cl. 156-359.000.

Smith, Lawrence N., to Microelectronics and Computer Technology Corporation. Customizable circuitry. 4,888,665, 12-19-89, Cl. 361-400.000.

Smith, Lawrence N., to Microelectronics and Computer Technology Corporation. Thin film capacitor. 4,890,192, 12-26-89, Cl. 361-313.000.

Smith, Leonard B., Sr. Automobile door guard. 4,879,543, 11-7-89, Cl. 340-473.000.

Smith, Leonard S.; and Cook, Gary L., to Altus Technology Corporation. Capacitance level sensor for a bilge pump. 4,881,873, 11-21-89, Cl. 417-12.000.

Smith, Leroy H., Jr.; and Wilcox, Donald E., to United States of America, Air Force. Variable stator vane assembly for a rotary turbine engine. 4,874,289, 10-17-89, Cl. 415-150.000.

Smith, Leslie A. D.: *See—*
Miles, Peter; and Smith, Leslie A. D., 4,883,093, Cl. 138-45.000.

Smith-Lewis, Margaret J., to Eastman Kodak Company. Analytical element and method for determination of total lacate dehydrogenase. 4,803,159, 2-7-89, Cl. 435-26.000.

Smith-Lewis, Margaret J., to Eastman Kodak Company. Immobilized biotinylated receptor in test device, kit and method for determining a ligand. 4,870,007, 9-26-89, Cl. 435-28.000.

Smith, Lloyd B., to United Company, The. Apparatus for minimizing reactive forces on a gimbal-mounted centrifuge. 4,855,042, 8-8-89, Cl. 210-144.000.

Smith, Lloyd B., to United Company, The. Method and apparatus for prevention of blinding of centrifuge filter screens. 4,857,210, 8-15-89, Cl. 210-781.000.

Smith, Lloyd J. Chalk dust remover. 4,872,237, 10-10-89, Cl. 15-210.00R.

Smith, Lloyd M.; and Fung, Steven, to California Institute of Technology. Deoxyribonucleoside phosphoramidites in which an aliphatic amino group is attached to the sugar ring and their use for the preparation of oligonucleotides containing aliphatic amino groups. 4,849,513, 7-18-89, Cl. 536-27.000.

Smith, Lloyd S.: *See—*
Franklin, Craig A.; Parracho, Rui M.; Smith, Lloyd S.; Bunch, Richard P.; Boys, Jack A., II; Gross, Alexander L.; and Pagluiso, Robert W., 4,794,707, Cl. 36-107.000.

Smith, Lonnie E., and Schasteen, Thomas, to Atlantic Richfield Company. Motorized wellbore fishing tool. 4,856,582, 8-15-89, Cl. 166-98.000.

Smith, Lonnie J.: *See—*
Schasteen, Thomas; and Smith, Lonnie J., 4,883,120, Cl. 166-98.000.

Smith, Lonnie M., to Durbin-Durco, Inc. Load binder and method of making same. 4,800,627, 1-31-89, Cl. 24-68.0CD.

Smith, Lonnie W., to Strauss, Robert E., a part interest. Saber saw tracing light. 4,833,782, 5-30-89, Cl. 30-392.000.

Smith, Louise; and Kautman, Frank W. Nail polish remover wand containing disposable pads. 4,854,761, 8-8-89, Cl. 401-196.000.

Smith, Louise; and Kautman, Frank W. Nail polish remover wand containing disposable pads. 4,884,913, 12-5-89, Cl. 401-196.000.

Smith & Loveless, Inc.: *See—*
Weis, Frank G., 4,861,472, Cl. 210-189.000.

Smith, Lowell S.; Engeler, William E.; and O'Donnell, Matthew, to General Electric Company. Two-dimensional phased array of ultrasonic transducers. 4,890,268, 12-26-89, Cl. 367-138.000.

Smith, Maria-Teresa: *See—*
Koda, Walter; Meyerhoefer, Carl; Miller, David C.; Pendleton, Thomas J.; and Smith, Maria-Teresa, 4,865,214, Cl. 220-263.000.

Smith, Marion W.: *See—*
Gordon, Russell B.; Gordon, Jimmy A.; and Smith, Marion W., 4,794,956, Cl. 138-39.000.

Smith, Mark: *See—*
Langrick, David J.; and Smith, Mark, 4,856,322, Cl. 73-56.000.
Stevens, Sean; and Smith, Mark, 4,829,608, Cl. 4-597.000.

Smith, Mark A.; and Pavio, Anthony M., to Texas Instruments Incorporated. GaAs monolithic true logarithmic amplifier. 4,853,564, 8-1-89, Cl. 307-492.000.

Smith, Mark A., to Aero Toys, Incorporated. Horn for control surfaces of model aircraft. 4,867,725, 9-19-89, Cl. 446-34.000.

Smith, Mark L., to AMP Incorporated. Selective plating apparatus for zone plating. 4,818,349, 4-4-89, Cl. 204-15.000.

Smith, Martin: *See—*
Wright, Peter; Hinton, Alan; Constable, Alan; Moran, Charles; and Smith, Martin, 4,869,664, Cl. 431-328.000.

Smith, Martin A., to Pave-Mark Corporation. Road marking apparatus. 4,802,788, 2-7-89, Cl. 404-94.000.

Smith, Martin L. Trigger device for heat pack. 4,829,980, 5-16-89, Cl. 126-263.000.

Smith, Martin L., Jr. : *See—*
- Gutowski, Paul R.; Smith, Martin L., Jr. ; and Sondergeld, Carl H., 4,819,214, Cl. 367-27.000.

Smith, Martin S.: *See—*
- Norris, Andrew P.; and Smith, Martin S., 4,803,494, Cl. 343-770.000.

Smith, Marven M., II: *See—*
- Lefevre, Marcel R.; and Smith, Marven M., II, 4,803,018, Cl. 261-111.000.

Smith, Melanie J.: *See—*
- Colo, Steven; Patel, Sanjivkumar K.; and Smith, Melanie J., 4,867,460, Cl. 277-12.000.

Smith Metal Arts Co., Inc.: *See—*
- Pielechowski, Craig A.; and Panzarella, James S., 4,887,724, Cl. 211-11.000.

Smith, Michael. Release mechanism. 4,813,731, 3-21-89, Cl. 294-82.330.

Smith, Michael, to Burr-Brown Limited. Interleaved access to global memory by high priority source. 4,847,757, 7-11-89, Cl. 364-200.000.

Smith, Michael: *See—*
- Goldfischer, Jerome D.; Smith, Michael; and Goldfisher, Harvey, 4,839,806, Cl. 364-413.020.

Smith, Michael A., to Fulkerson, Bennie C., a part interest. Compact disc player capable of playing plural selections recorded on a compact disc in a preselected sequence. 4,872,151, 10-3-89, Cl. 369-14.000.

Smith, Michael D., Dolinski, Norman H.; and Amin, Jayendra J., to Ford Motor Company. Automotive air conditioning system accumulator with refrigerant processing cartridge including evaporator pressure regulator. 4,800,737, 1-31-89, Cl. 62-503.000.

Smith, Michael D., to Dallas Semiconductor Corporation. Telecommunications FIFO. 4,839,893, 6-13-89, Cl. 370-100.000.

Smith, Michael D., to Dallas Semiconductor Corporation. Controlled slew peak detector. 4,866,301, 9-12-89, Cl. 307-351.000.

Smith, Michael D.; Rowan, Stuart H.; Vistica, Robert S.; and Morton, Steven R., to Tektronix, Inc. Markers for readout and delta-parameter measurements on a quasi-3-dimensional display of a spectrum. 4,870,348, 9-26-89, Cl. 324-77.00B.

Smith, Michael D.; and Lemay, Richard A., to Bull HN Information Systems Inc. Storage of input/output command timeout and acknowledge responses. 4,872,110, 10-3-89, Cl. 364-200.000.

Smith, Michael D.: *See—*
- Little, Wendell L.; and Smith, Michael D., 4,857,767, Cl. 307-448.000.

Smith, Michael F. Apparatus and method for automated braiding of square rope and rope product produced thereby. 4,803,909, 2-14-89, Cl. 87-6.000.

Smith, Michael G. Water-cooled lounging pad. 4,860,395, 8-29-89, Cl. 5-420.000.

Smith, Michael G.: *See—*
- Renga, James M.; Bon, Charles K.; Gulkenkian, Aylin H.; and Smith, Michael G., 4,845,267, Cl. 560-160.000.

Smith, Michael J.; Sully, George R. W.: and Crisp, Martin, to Data Recording Instrument Company Limited. Manufacture of impact printing ribbon cartridge. 4,854,027, 8-8-89, Cl. 29-434.000.

Smith, Michael J.: *See—*
- Cochrane, Faith E.; Smith, Michael J.; and Litvay, John D., 4,874,465, Cl. 162-111.000.

Smith, Michael L.: *See—*
- Moran, Kevin E.; Smith, Michael L.; and Lippard, Ernest R., III, 4,875,780, Cl. 356-446.000.

Smith, Michael P., to Amoco Corporation. Nondestructive method for analyzing total porosity of thin sections. 4,797,906, 1-10-89, Cl. 378-44.000.

Smith, Michael P.; Brown, Edgar E.; and Blackburn, Martin J., to United Technologies Corporation. Method for improving fracture toughness of high strength titanium alloy. 4,842,652, 6-27-89, Cl. 148-12.70B.

Smith, Michael P.; and Haines, Frank C., Jr., to Amoco Corporation. Sample chamber and system for analyzing fluid inclusions. 4,856,351, 8-15-89, Cl. 73-863.210.

Smith, Michael S. Stencil printing with vacuum support frame. 4,843,961, 7-4-89, Cl. 101-127.100.

Smith, Michael S.; and Bharj, Gurnam S., to Smiths Industries Public Limited Company. Coupling arrangements. 4,850,896, 7-25-89, Cl. 439-489.000.

Smith, Michael T.: *See—*
- Maidment, Robert A. M.; and Smith, Michael T., 4,821,373, Cl. 16-227.000.
- Maidment, Robert A. M.; and Smith, Michael T., 4,843,679, Cl. 16-227.000.

Smith, Michael W.; Steagall, Robert N., deceased (by Steagall, Betty C., administratix); Banas, Mark D.; Chlebina, Lawrence E.; Greenlese, Brady G.; and Stokes, James D., to Goodyear Tire & Rubber Company, The. Bead crimping and handling system. 4,806,196, 2-21-89, Cl. 156-422.000.

Smith, Michele A.: *See—*
- Corbett, Thomas J.; Everhart, Vaughn D.; and Smith, Michele A., 4,832,366, Cl. 280-808.000.

Smith, Michele C.: *See—*
- Shaar, Carl J.; and Smith, Michele C., 4,885,163, Cl. 514-2.000.

Smith, Milton O.: *See—*
- Bickford, John H.; Meisterling, Jesse R.; Smith, Milton O.; and Kosciak, Geoffrey F., 4,864,903, Cl. 81-467.000.

Smith, Moira A.: *See—*
- Thornley, David J.; Smith, Moira A.; Dale, Philip; Leask, Samuel H.; and Coutts, Ian M., 4,884,368, Cl. 49-276.000.

Smith, Morris L.: *See—*
- Bogart, Larry; Hipkins, James J.; and Smith, Morris L., 4,882,221, Cl. 428-308.800.
- Bogart, Larry; Hipkins, James J.; and Smith, Morris L., 4,883,475, Cl. 604-290.000.

Smith, Murray S., Jr.: *See—*
- Perkins, Roger J.; and Smith, Murray S., Jr., 4,842,953, Cl. 428-553.000.

Smith, Nathan R.: *See—*
- Sabersky, Andrew P.; Littlestone, Nicholas; Abbott, Jack E.; Gibbons, William J.; D'Orazio, Robert R.; and Smith, Nathan R., 4,827,436, Cl. 364-559.000.

Smith, Nathaniel, to Smith Inventions Inc. Mop head for holding a removable mop. 4,850,072, 7-25-89, Cl. 15-147.00R.

Smith, Nelson E., Jr.: *See—*
- Garrett, Roger E.; Smith, Nelson E., Jr.; and Mehlschau, James J., 4,806,357, Cl. 427-4.000.

Smith, Nelson W.: *See—*
- Johnson, Mark D.; and Smith, Nelson W., 4,824,586, Cl. 252-49.500.

Smith & Nephew Associated Companies Limited: *See—*
- Lloyd, Ronald, 4,846,829, Cl. 604-389.000.

Smith & Nephew Associated Companies p.l.c.: *See—*
- Carter, Andrew J., 4,798,604, Cl. 604-383.000.
- Edwards, Linda M., 4,803,066, Cl. 424-132.000.
- Lang, Stephen M.; and Webster, David F., 4,860,737, Cl. 128-156.000.
- Metcalfe, Peter J., 4,863,778, Cl. 428-131.000.
- Parker, Robert S. R.; and Howes, John G. B., 4,844,983, Cl. 428-425.600.
- Rawlings, David A.; and Potter, William D., 4,798,201, Cl. 128-156.000.

Smith & Nephew, Inc.: *See—*
- Atkins, Judy M.; Comfort, Benjamin J.; and Liebelt, Ralph A., 4,877,034, Cl. 128-664.000.

Smith & Nephew (Latin America), Inc.: *See—*
- Johns, Owen L., 4,872,869, Cl. 604-342.000.

Smith, Neville J. Powered cleaning tools. 4,885,815, 12-12-89, Cl. 15-28.000.

Smith, Nicholas D.: *See—*
- Field, John R.; and Smith, Nicholas D., 4,820,424, Cl. 210-716.000.
- McLeod, Gloria; and Smith, Nicholas D., 4,867,613, Cl. 405-263.000.

Smith, Nicholas K.: *See—*
- Lange, Michael D.; Smith, Nicholas K.; and Willems, Carl, 4,802,199, Cl. 379-221.000.

Smith, Norman, to Rotron, Incorporated. Brushless DC motor and encoding technique. 4,845,411, 7-4-89, Cl. 318-254.000.

Smith, Normand C., to International Business Machines Corporation. Print head incorporating one piece armature with intermediate clamping pads. 4,884,905, 12-5-89, Cl. 400-124.000.

Smith, Pamela S.; and Smith, Peter H., deceased (by Smith, Pamela S., executor), to General Electric Company. Magnetron with microprocessor based feedback control. 4,873,408, 10-10-89, Cl. 219-10.55B.

Smith, Pamela S., executor: *See—*
- Smith, Pamela S.; and Smith, Peter H., deceased, 4,873,408, Cl. 219-10.55B.

Smith, Pamela Sheila, executor: *See—*
- Smith, Peter H., deceased, 4,825,028, Cl. 219-10.55B.
- Smith, Peter H., deceased; Payne, Thomas R.; and Reising, Flavian, Jr., 4,835,353, Cl. 219-10.55B.
- Smith, Peter H., deceased; and Reising, Flavian, Jr., 4,843,202, Cl. 219-10.55B.

Smith, Patricia B.: *See—*
- Luttmer, Joseph D.; York, Rudy L.; Smith, Patricia B.; and Davis, Cecil J., 4,837,113, Cl. 427-38.000.
- Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,838,984, Cl. 156-643.000.
- Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; and York, Rudy L., 4,855,160, Cl. 427-38.000.
- York, Rudy L.; Luttmer, Joseph D.; Smith, Patricia B.; and Davis, Cecil J., 4,877,757, Cl. 437-235.000.

Smith, Patrick A.; and Thompson, Glen, to Eagle-Picher Industries, Inc. Tire testing machine. 4,870,858, 10-3-89, Cl. 73-146.000.

Smith, Paul, to Beecham Group, p.l.c. Pharmacologically active hydrated azabicyclo compound. 4,800,225, 1-24-89, Cl. 546-112.000.

Smith, Paul D.: *See—*
- McDaniel, Max P.; Smith, Paul D.; and Norwood, Donald D., 4,806,513, Cl. 502-107.000.

Smith, Paul F.; and Geals, Donald W. Manufacture of cheese flavor powder. 4,826,693, 5-2-89, Cl. 426-34.000.

Smith, Paul K., to Pierce Chemical Company. Measurement of protein using bicinchoninic acid. 4,839,295, 6-13-89, Cl. 436-86.000.

Smith, Peter, to Marconi Company Limited, The. Thrusters. 4,802,333, 2-7-89, Cl. 60-260.000.

Smith, Peter A. Water chair. 4,838,613, 6-13-89, Cl. 297-452.000.

Smith, Peter H., deceased (by Smith, Pamela Sheila, executor), to General Electric Company. Magnetron with microprocessor power control. 4,825,028, 4-25-89, Cl. 219-10.55B.

Smith, Peter H., deceased (by Smith, Pamela Sheila, executor); Payne, Thomas R.; and Reising, Flavian, Jr., to General Electric Company. Filament power conpensation for magnetron. 4,835,353, 5-30-89, Cl. 219-10.55B.

Smith, Peter H., deceased (by Smith, Pamela Sheila, Executor); and Reising, Flavian, Jr., to General Electric Company. Magnetron with frequency control for power regulation. 4,843,202, 6-27-89, Cl. 219-10.55B.

Smith, Peter H., deceased: *See—*
- Smith, Pamela S.; and Smith, Peter H., deceased, 4,873,408, Cl. 219-10.55B.

Smith, Peter J., to Fomico International, Inc. Retaining wall module having face panel and T-stem with means for receiving transverse stabilizing web. 4,884,921, 12-5-89, Cl. 405-286.000.

Smith, Peter J.: *See—*
- Krause, Janusz J. H.; Smith, Peter J.; and Woolhouse, Robin A., 4,873,046, Cl. 264-288.400.

Smith, Peter R.: *See—*
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- Smith, William C. Auxiliary safety chain lock. 4,815,305, 3-28-89, Cl. 70-93.000.
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  - Schmelzer, Lynn A.; Smith, William M.; and Merritt, Raymond S., 4,830,534, Cl. 404-117.000.
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- Smithers, Michael J., to Imperial Chemical Industries PLC. N-[4-O-hydroxyphenyl-1,3-dioxan-5-ylhexenoyl]sulphonamides. 4,806,563, 2-21-89, Cl. 514-452.000.
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  - Adams, Craig W.; Leary, Jeffry J.; and Rosenberg, Martin, 4,840,892, Cl. 435-5.000.
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  - Garris, Charles R.; Ruttenberg, Kenneth M.; and Neiswender, James L., Sr., 4,802,323, Cl. 53-53.000.
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  - Clough, John M.; Godfrey, Christopher R. A.; de Fraine, Paul J.; and Snell, Brian K., 4,883,807, Cl. 514-427.000.
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  - Erkens, Leonardus J. H.; Algra, Gerben P.; Snijders, Jacobus M. H.; Geurts, Herman J. J. M.; and Rugin, Andre, 4,872,915, Cl. 106-433.000.
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- Snijders, Willibrordus M., to Sulzer Brothers Limited. Yarn metering bobbin. 4,850,544, 7-25-89, Cl. 242-47.010.

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  - Marrache, Albert A.; and Snipes, Frank C., Jr., 4,876,973, Cl. 112-121.160.
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- Snipes, Wallace C.; and Wagner, Stephen J., to Zetachron, Inc. Controlled release potassium chloride composition. 4,832,955, 5-23-89, Cl. 424-456.000.
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  - O'Neill, Gerard K.; and Snively, Leslie O., 4,839,656, Cl. 342-357.000.
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- Snodgrass, Francis M. Scoring die matrix. 4,810,545, 3-7-89, Cl. 428-43.000.
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  - van der Donk, A. H.; van den Berg, F.; and Snoeij, J., 4,824,321, Cl. 414-757.000
- Snoeren, Rudolph M., to U.S. Philips Corp. Picture pick-up and display system and picture pick-up device suitable for said system. 4,857,724, 8-15-89, Cl. 250-213.0VT.
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  - DeLong, Steven T.; and Snook, James E., 4,881,195, Cl. 364-900.000.
- Snook, Marvin G., to W. R. Grace & Co. Blow-molded notebook binder. 4,865,483, 9-12-89, Cl. 402-80.00R.
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- Snow, A. Ray, to Chain-Tool Company, Inc. Adjustable liquid level indicator. 4,831,877, 5-23-89, Cl. 73-290.00R.
- Snow, Bill D., to Snow Corporation. Premix oven pulsing control system. 4,834,644, 5-30-89, Cl. 431-1.000.
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  - Deya, Eiki; Yanahira, Shuichi; Abiko, Kenkichi; and Kikuchi, Eiichi, 4,873,229, Cl. 514-54.000.
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  - Burgess, Roy T.; Campau, Gregory P.; Claar, Leslie M.; Hodges, Robert C.; Snow, Douglas G.; and Taylor, Roy, 4,862,789, Cl. 92-12.200.
- Snow, Gordon L.: *See*—
  - Lapetina, Robert A.; Snow, Gordon L.; and Baird, David P., 4,864,179, Cl. 310-337.000.
- Snow, James W.: *See*—
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- Snow, Michael A. Vehicle shift and radio security lock device. 4,825,670, 5-2-89, Cl. 70-238.000.
- Snow, Michael G.; Tyler, William R.; Hsu, Sung-Peng; and Fallat, Robert J., to Medical Graphics Corporation. Pulmonary diagnostic system. 4,796,639, 1-10-89, Cl. 128-719.000.
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- Snow, Richard K.; and Ellisor, Milton W., Jr., to I.W. Industries, Inc. Method of testing protective encapsulation of structural members. 4,876,896, 10-31-89, Cl. 73-827.000.
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- Snow, Roger: *See*—
  - Cacioli, Paul; and Snow, Roger, 4,873,082, Cl. 424-83.000.
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  - Haluska, Loren A.; Michael, Keith W.; Snow, Sarah S.; Tarhay, Leo; and Baney, Ronald H., 4,826,733, Cl. 428-447.000.
- Snow, Steven A.: *See*—
  - Lo, Sunny J.; and Snow, Steven A., 4,879,051, Cl. 252-8.750.
- Snow, W. Robert: *See*—
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- Snowball, Malcolm R.; and Hayes, Cecil, to W. M. Still & Sons Limited. Coffee and tea making or brewing apparatus. 4,825,758, 5-2-89, Cl. 99-282.000.
- Snowden, David C.: *See*—
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- Snowdon, Brian: *See*—
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- Snowdrift Corporation N.V.: *See*—
  - Fritz, Karl, deceased, 4,866,233, Cl. 219-10.55A.
- Snuttjer, Owen R.; and Wilhelm, Peter L., to Westinghouse Electric Corp. Method and apparatus for determining generator ventilation system failure using two differential pressure sensors. 4,870,393, 9-26-89, Cl. 340-611.000.
- Snyder, Andrew W., to Hoover Group, Inc. Sloped bottom tank. 4,840,284, 6-20-89, Cl. 220-5.00A.
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  - Douty, George H.; Snyder, Clair W., Jr.; and Staron, James S., 4,826,442, Cl. 439-92.000.
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- Snyder, Henry A. Three-dimensional genealogical display. 4,865,548, 9-12-89, Cl. 434-154.000.
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  - Snyder, Larry L.; Hansen, Lavelle H.; and Florer, Richard, 4,847,028, Cl. 264-155.000.
- Snyder, Irving F.: *See—*
  - Mills, John B.; Peterson, Vicky J.; Young, Roger W.; Crouch, C. Jeremy; Schulz, Roman A.; Snyder, Irving F.; and DeHemmer, Larry J., 4,867,653, Cl. 417-360.000.
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  - Franko-Filipasic, Borivoj; and Snyder, James, 4,851,587, Cl. 568-652.000.
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  - Hayamizu, Mamoru, 4,803,499, Cl. 346-140.00R.
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  - Sarfati, Alberto G., 4,828,192, Cl. 242-47.010.
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  - Conrad, Peter G., 4,815,409, Cl. 114-103.000.
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  - Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irurre, Jose P., 4,835,179, Cl. 514-510.000.
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  - Cirera, Xavier D.; Andreoli, Romeo R.; Lloveras, Pedro P.; Bruseghini, Leonida; and Irrure, Jose P., 4,835,156, Cl. 514-255.000.
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  - Restelli, Amedeo A., 4,879,977, Cl. 123-90.310.
  - Villa, Ercole, 4,850,314 Cl. 123-90.310.
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  - Jennet, Michel; and Luce, Jean-Claude G. M., 4,849,062, Cl. 156-364.000.
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  - Biton, Philippe F. M., 4,831,995, Cl. 123-635.000.
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  - Rebischung, Robert A., 4,830,215, Cl. 220-359.000.
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  - Bourgeaux, Pierre; and Riaud, Alain, 4,841,297, Cl. 341-11.000.
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  - d'Estaintot, Pierre, 4,869,045, Cl. 53-384.000.
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  - Giacometti, Emmanuel, 4,811,093, Cl. 358-106.000.
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  - Crinquette, Jean-Marie; and Long, Jacques, 4,887,941, Cl. 417-2.00C.
  - Le Roy, Guy; and Fraise, Muguette, 4,867,519, Cl. 350-96.150.
  - Mousseaux, Daniel; Chevet, Bruno; and Grard, Emmanuel, 4,887,882, Cl. 350-96.200.
- Societe Anonyme dite: Alcatel Espace: *See—*
  - Fontanes, Sylvain; Birot, Patrice; Marguinaud, Andre; Quignon, Thierry; and Romann, Brigitte, 4,885,756, Cl. 375-82.000.
- Societe anonyme dite: Alcatel Thomson Espace: *See—*
  - Contartese, Giulio; and Batlle, Alain, 4,862,057, Cl. 323-285.000.

- Societe anonyme dite: Alcatel Thomson Faisceaux Hertziens: *See*—
  - Cruchon, Jean-Claude; Fontaine, Franck; and Brugidou, Michel, 4,853,657, Cl. 333-137.000.
  - Mettoudi, Isaac; and Lafranca, Francois, 4,862,111, Cl. 331-96.000.
- Societe Anonyme Dite: Alcatel Thomson Gigadisc: *See*—
  - Romeas, Rene, 4,858,221, Cl. 369-275.000.
- Societe Anonyme dite: Alsthom: *See*—
  - Dumas, Jean-Claude; and Van Hemelryck, Alain, 4,8[illegible],652, Cl. 303-12.000.
  - Fleury, Daniel, 4,860,418, Cl. 29-156.80R.
  - Heddebaut, Marc; Mainardi, Pierre; Degauque, Pierre; and Duhot, Denis, 4,873,531, Cl. 343-711.000.
  - Laumond, Yves; and Sabrie, Jean-Louis, 4,862,023, Cl. 310-54.000.
  - Thuries, Edmond; Dufournet, Denis; and Perret, Michel, 4,880,946, Cl. 200-148.00A.
  - Thuries, Edmond; and Masson, Jean-Paul, 4,884,166, Cl. 361-333.000.
  - Tixador, Pascal; and Brunet, Yves, 4,855,859, Cl. 361-19.000.
  - Woilles, Jacques; and Hayward, Pierre, 4,859,071, Cl. 366-136.000.
- Societe Anonyme dite: Atesys: *See*—
  - Cansell, Albert, 4,825,871, Cl. 128-419.00D.
- S.A. dite: Caoutchouc Manufacture et Plastiques: *See*—
  - de Fontenay: Etienne; and Parisot, Patrick, 4,854,562, Cl. 267-292.000.
- Societe Anonyme dite: Ceraver: *See*—
  - Minjolle, Louis; Drouet, Michel; Fatta-Barou, Jean-Louis; Callegari, Michel; and Noel, Jacques, 4,853,053, Cl. 156-73.500.
- Societe Anonyme dite: CGEE Alsthom: *See*—
  - Heng, Jean-Paul; Marmonier, Andre ; and Briguet, Etienne, 4,878,855, Cl. 439-411.000.
- Societe Anonyme dite: Compagnie Generale d'Automatisme CGA-HBS: *See*—
  - Bergerioux, Jean-Marcel; Pavie, Claude; Plent, Christian; and Constant, Bernard, 4,870,799, Cl. 53-55.000
  - Bergerioux, Jean-Marcel; Pavie, Claude; and Plent, Christian, 4,874,281, Cl. 414-285.000.
  - Delbe, Emmanuel; Gillet, Francois; Serot, Etienne; Chifflet, Raymond; Allio, Roland; Jeantin, Philippe; Del Fabro, Gilbert; and Forella, Guy, 4,877,229, Cl. 271-2.000.
- Societe Anonyme dite Compagnie Generale d'Electricite: *See*—
  - Bernard, Jean-Jacques; and Robieux, Jean, 4,864,310, Cl. 342-368.000.
  - Fitoussi, Jean Guy; Goudeau, Jacques; and Cornebois, Michel, 4,869,743, Cl. 65-3.110.
  - Tardy, Andre; and Jurczyszyn, Michel, 4,861,979, Cl. 250-227.000.
- Societe Anonyme dite: Filotex: *See*—
  - Marechal, Michel; Rageot, Alain; and Basly, Michel, 4,859,258, Cl. 156-51.000.
- Societe Anonyme dite : Framatome: *See*—
  - Despinoy, Bernard; Durand, Philippe; and Mouget, Jean, 4,866,840, Cl. 29-828.000.
- Societe Anonyme dite: Henri Selmer & Cie: *See*—
  - Selmer, Jean, 4,825,742, Cl. 84-380.00R.
- Societe anonyme dite Hispano-Suiza: *See*—
  - Durand, Lionel F. G. J.; and Lore, Xavier R. Y., 4,865,256, Cl. 239-265.290.
- Societe Anonyme dite: Intertechnique: *See*—
  - Pietrzak, Patrick, 4,854,556, Cl. 267-33.000.
- Societe Anonyme dite: L'Oreal: *See*—
  - Grollier, Jean-Francois; and Beauquey, Bernard, 4,800,080, Cl. 424-74.000.
  - Grollier, Jean-Francois; Allec, Josiane; Fourcadier, Chantal; Rosenbaum, Georges; and Darmenton, Patrick, 4,880,621, Cl. 424-74.000.
  - Mahieu, Claude; and Papantoniou, Christos, 4,859,460, Cl. 424-72.000.
  - Shroot, Braham; Le Foyer de Costil, Carole; and Ayache, Liliane, 4,853,379, Cl. 514-179.000.
- Societe Anonyme dite: SMH Alcatel: *See*—
  - Peyre, Jacques, 4,865,678, Cl. 156-356.000.
  - Peyre, Jacques, 4,886,566, Cl. 156-361.000.
- Societe Anonyme dite: Societe des Ceramizues Techniques: *See*—
  - Garcera, Daniel; and Gillot, Jacques, 4,849,104, Cl. 210-323.200.
- Societe Anonyme dite: Societe Europeenne de Propulsion: *See*—
  - Habermann, Helmut; Brunet, Maurice; and Gerbier, Alain, 4,866,318, Cl. 310-90.500.
- Societe Anonyme dite: Stein Industrie: *See*—
  - Bobichon, Jacques; Hervouin, Lucien; and Vigneron, Gilbert, 4,858,652, Cl. 138-92.000.
  - Franzolini, Marc; Maria, Edmond; Vanderschaegbe, Alain; and Bezier, Jean, 4,848,645, Cl. 228-183.000.
- Societe Anonyme dite: VIBRACHOC: *See*—
  - Pavie, Denis, 4,882,655, Cl. 361-391.000.
- Societe Anonyme Drager: *See*—
  - Le Bec, Yves, 4,825,802, Cl. 116-70.000.
- Societe Anonyme Elf France: *See*—
  - Bouchez, Dominique; Casamata, Gilbert; Fournier, Pascale; and Bernasconi, Christian, 4,804,495, Cl. 252-312.000.
- Societe Anonyme Financiere, Industrielle et Commerciale d'Equipements Automobiles et Aeronautiques-FICEA: *See*—
  - Blanche, Andre, 4,890,202, Cl. 362-61.000.
- Societe Anonyme: Manzoni-Bouchot: *See*—
  - Manzoni, Bernard, 4,812,615, Cl. 219-209.000.
- S.A. Raccords et Plastiques Nicoll: *See*—
  - Blandin, Jean-Claude, 4,854,887, Cl. 439-194.000.
- Societe Anonyme Roure Bertrand Dupont: *See*—
  - Pelerin, Gerard, 4,822,910, Cl. 560-126.000.
- Societe Anonyme: SANOFI: *See*—
  - Nisato, Dino; and Frigerio, Marco, 4,822,895, Cl. 548-953.000.
  - Wagnon, Jean; Plouzane, Claude; Tonnerre, Bernard; and Nisato, Dino, 4,806,655, Cl. 548-455.000.
- S.A. Separgaz: *See*—
  - Maldague, Pierre, 4,860,547, Cl. 62-86.000.
- Societe Anonyme: Societe de Mecanique Magnetique: *See*—
  - Habermann, Helmut, 4,806,835, Cl. 318-607.000.
- Societe Anonyme: Societe Europeene de Propulsion: *See*—
  - Chevallier, Marc; and Froger, Guy, 4,877,272, Cl. 285-111.000.
  - Gouhier, Dany, 4,852,605, Cl. 137-493.000.
- Societe Anonyme: Societe Generale pour les Techniques Nouvelles - SGN: *See*—
  - Dollfus, Jacques, 4,854,178, Cl. 73-861.580.
  - Magnin, Guy; Magnin nee Champeaud, Marie-Francoise; Aubert, Veronique; and Jaouen, Claude, 4,834,915, Cl. 252-628.000.
- Societe Anonyme: Societe Lorraine de Laminage - SOLLAC: *See*—
  - Colin, Gerard R.; Klein, Andre; Leclercq, Alain; and Mara, Patrick, 4,806,222, Cl. 204-206.000.
- Societe Anonyme: SPONTEX: *See*—
  - Wertz, Jean-Luc: and Baudonnel, Jacques, 4,856,134, Cl. 15-104.930.
- S.A. Texaco Petroleum NV: *See*—
  - Van Neste, Walter A.; Maes, Jean P.; and Vereecken, Rita, 4,851,145, Cl. 252-75.000.
- Societe Anonymes dite: SOGELERG: *See*—
  - Comte, Gilles; and Viode, Andre, 4,877,056, Cl. 137-599.000.
- Societe ATOCHEM: *See*—
  - Cheminal, Bernard; and Lantz, Andre, 4,849,555, Cl. 570-165.000.
  - Durual, Pierre; Hermant, Marc; and Laviron, Charles, 4,853,141, Cl. 252-51.000.
  - Gautier, Martine; Rico, Isabelle; Lattes, Armand; and Bertocchio, Rene, 4,855,025, Cl. 204-157.860.
  - Germanaud, Laurent; and Hermant, Marc, 4,859,357, Cl. 252-51.000.
  - Glemet, Michel; and Cognet, Gilles, 4,883,625, Cl. 264-136.000.
  - Lantz, Andre; and Michaud, Pascal, 4,800,234, Cl. 568-842.000.
  - Lantz, Andre, 4,845,300, Cl. 568-65.000.
  - Metzger, Jean, 4,855,121, Cl. 423-439.000.
- Societe Automates et Automatismes: *See*—
  - Vichon, Didier; Bardon, Dominique; and Encrenaz, Christian, 4,798,449, Cl. 350-358.000.
- Societe belge de Filtration: *See*—
  - Eyben, Donald; Meurens, Jacques; Hermia, Jacques; and Rahier, Georges, 4,816,147, Cl. 210-225.000.
- Societe Berthoud S.A.: *See*—
  - Nissels, Robert, 4,802,382, Cl. 74-579.00R.
- Societe Bourguignone d'Applications Plastique: *See*—
  - Capitani, Gilles, 4,828,139, Cl. 220-316.000.
- Societe Chimique des Charbonnages: *See*—
  - Erpelding, Michel; and Vandome, Jacques, 4,861,817, Cl. 524-411.000.
  - Teissier, Remy; and Clamens, Serge, 4,874,859, Cl. 544-221.000.
- Societe Chimique des Charbonnages - CdF Chimie: *See*—
  - Levresse, Bernard, 4,795,854, Cl. 585-800.000.
- Societe Chimique des Charbonnages SA Tour Aurore: *See*—
  - Lozachmeur, Didier, 4,814,355, Cl. 521-56.000.
  - Lozachmeur, Didier, 4,859,730, Cl. 524-274.000.
- Societe Chimique des Charbonnages S.A.: *See*—
  - Aubry, Jean; Cassiani-Ingoni, Serge; and Hauschild, Remi, 4,861,821, Cl. 524-512.000.
  - Audureau, Joel; Morese-Seguela, Brigitte; and Hervais, Vincent, 4,818,467, Cl. 264-564.000.
  - Audureau, Joel; and Piecuch, Edouard, 4,861,834, Cl. 525-194.000.
  - Candau, Sauveur; Leroy, Maurice; Brunette, Jean-Pierre; Mallo, Paul; Loret, Jean-Francois; and Waton, Gilles, 4,876,036, Cl. 252-637.000.
  - Delavarenne, Serge; Fauconet, Michel; Simon, Michel; and Sommer, Jean, 4,840,750, Cl. 260-544.00A.
  - Guerdoux, Lionel; and Hert, Marius, 4,868,052, Cl. 428-336.000.
  - Hurtel, Patrice, 4,859,793, Cl. 560-223.000.
  - Marius, Hert, 4,875,964, Cl. 156-327.000.
  - Stein, Claude; Nagai, Hitoshi; Ueda, Akio; and Isomura, Satoru, 4,831,094, Cl. 526-283.000.
  - Teyssie, Philippe; Varshney, Sunil K.; Jerome, Robert; and Fayt, Roger, 4,826,941, Cl. 526-173.000.
- Societe Civile de Brevets, J.L.S.: *See*—
  - Savoyet, Jean-Louis, 4,855,601, Cl. 250-339.000.
- Societe Civile d'Etudes et de Prototypes Industriels et de Series: *See*—
  - Durand, Roger, 4,828,205, Cl. 244-17.230.
- Societe Civile pour la Realisation d'Inventions Techniques—S.C.R.I.T.: *See*—
  - Rebecq, Jean M., 4,838,415, Cl. 206-216.000.
- Societe Compagnie Generale Textile Cogetex: *See*—
  - Egea, Noel; and Olive, Corinne, 4,874,241, Cl. 356-238.000.
- Societe Continentale du Carton Ondule-Socar: *See*—
  - Lanoiselee, Roger; Dropsy, Philippe; and Roman, Patrick, 4,862,671, Cl. 53-167.000.
- Societe Cortial S.A.: *See*—
  - Pontagnier, Henri; Courtiol, Christian; Creuzet, Marie-Helene; Feniou, Claude; and Prat, Gisele, 4,818,772, Cl. 514-651.000.
- Societe d'Applications des Machines Motrices: *See*—
  - Godon, Gerard, 4,794,941, Cl. 137-82.000.

  - Joseph, Philippe; and Perrochat, Jean-Michel, 4,795,008, Cl. 188-280.000.
- Societe d'Applications Generales: *See*—
  - Poirier, Michel, 4,811,286, Cl. 365-43.000.
- Societe d'Applications Generales d'Electricite: *See*—
  - Vegeais, Patrick; and Bergougnoux, Michel, 4,806,947, Cl. 346-76.0PH.
- Societe d'Applications Generales d'Electricite et de Mecanique Sagem: *See*—
  - Lamiaux, Sylves, 4,827,398, Cl. 364-200.000.
  - Sud, Emmanuel; Lelay, Jean-Pierre; and Encaoua, Serge, 4,811,061, Cl. 356-152.000.
- Societe d'Applications Generales d'Electricite et de Mechanique SAGEM: *See*—
  - Berger, Henri; and Veragen, Rene, 4,865,580, Cl. 600-18.000.
- Societe d'Applications Plastiques Rhone-Alpes (SAPRA): *See*—
  - Lecomte, Gilbert, 4,816,374, Cl. 430-270.000.
- Societe d'Assistance Technique aux Industries Electroniques, Pneumatiques, Hydrauliqes: *See*—
  - Rangeard, Gilbert; Garnier, Jean C.; and Thomas, Jean, 4,845,476, Cl. 340-660.000.
- Societe de Conseils de Recherches et d'Applications Scientifiques: *See*—
  - Plantefeve, Jean-Claude; and Rene, Michel, 4,839,173, Cl. 424-683.000.
- Societe de Conseils de Recherches et d'Applications Scientifiques (S.C.R.A.S.): *See*—
  - Godfroid, Jean-Jacques; Heymans, Francoise; and Braquet, Pierre, 4,888,337, Cl. 514-326.000.
  - Godfroid, Jean-Jacques; and Braquet, Pierre, 4,888,338, Cl. 514-336.000.
- Societe de Conseils et d'Etudes des Emballages SCEE: *See*—
  - Morel, Simone, 4,854,758, Cl. 401-116.000.
- Societe de Construction des Avions Hurel-Dubois: *See*—
  - Fournier, Alain; and Kennedy, John F., 4,801,112, Cl. 244-110.00B.
- Societe de Fabrication de Materiel Orthopedique (SOFAMOR): *See*—
  - Cotrel, Yves P. C. A., 4,815,453, Cl. 128-69.000.
- Societe de Fabrication d'Instruments de Mesure: *See*—
  - Favre, Helene; and Audren, Jean T., 4,794,793, Cl. 73-178.00H.
  - Gosse, Dominique; and Silber, Gerard, 4,848,810, Cl. 292-129.000.
- Societe de Fabrication d'Instruments de Mesure (S.F.I.M.): *See*—
  - Ducassou, Didier, 4,842,398, Cl. 350-641.000.
  - Pelletier, Charlie, 4,870,366, Cl. 328-140.000.
  - Silber, Gerard, 4,823,786, Cl. 128-202.270.
- Societe de Mecanique Magnetique: *See*—
  - Habermann, Helmut, 4,827,169, Cl. 310-90.500.
- Societe de Pate a Papier Savoie Dauphine: *See*—
  - Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublier, Charles, 4,865,690, Cl. 162-4.000.
- Societe de Promotion, Recherche et Innovation Technologique: *See*—
  - Suck, Catherine; Bret, Pierre; and Pozzi, Jacques, 4,809,888, Cl. 222-402.110.
- Societe de Prospection et d'Invention Techniques S.P.I.T.: *See*—
  - Revol, Gerard; Roillet, Maxime; and Barthomeuf, Jean-Paul, 4,884,931, Cl. 411-57.000.
- Societe de Prospection et d'Inventions Techniques S.P.I.T.: *See*—
  - Almeras, Roland; and Vernerey, Jean-Claude, 4,824,003, Cl. 227-10.000.
  - Almeras, Roland, 4,848,209, Cl. 89-1.140.
  - Almeras, Roland, 4,877,171, Cl. 227-10.000.
  - Almeras, Roland, 4,883,213, Cl. 227-10.000.
  - Ollivier, Jean; and Barthomeuf, Jean-Paul, 4,797,046, Cl. 411-448.000.
  - Ollivier, Jean; and Almeras, Roland, 4,854,793, Cl. 411-49.000.
  - Revol, Gerard; and Barthomeuf, Jean-Paul, 4,869,630, Cl. 411-40.000.
- Societe de Recherches Industrielles Sori: *See*—
  - Gabetta, Bruno; Magistretti, Maria J.; and Dostert, Philippe, 4,863,956, Cl. 514-453.000.
- Societe de Traitement Automatique Control et Etancheite: *See*—
  - Cohen, Elie, 4,840,05[illegible], Cl. 73-40.000.
- Societe d'Equipement Menager Industriel et Commercial S.E.M.I.C.O.: *See*—
  - Balland, Denis, 4,813,701, Cl. 280-641.000.
- Societe des Ceramiques Techniques: *See*—
  - Falletti, Florence, 4,865,742, Cl. 210-637.000.
- Societe des Ciments Francais: *See*—
  - Dupain, Jean R.; and Vernet, Christian P., 4,849,175, Cl. 422-63.000.
- Societe d'Etudes et de Constructions de Machines et Appareils Industriels: *See*—
  - Frehling, Andre, 4,801,950, Cl. 346-108.000.
- Societe d'Etudes et de Methode d'Applications: *See*—
  - Bussereau, Marcel; Courtois, Alain; and Huet, Jean-Pierre, 4,823,588, Cl. 72-453.060.
- Societe d'Etudes pour le Developpement: *See*—
  - Gars, Jacques L., 4,833,806, Cl. 40-447.000.
- Societe d'Etudes Scientifiques et Industrielles de l'Ile-de-France: *See*—
  - Acher, Jacques; and Monier, Jean-Claude, 4,804,765, Cl. 548-259.000.
  - Acher, Jacques, Monier, Jean-Claude; Schmitt, Jean-Paul; Gardaix-Luthereau, Renee; Costall, Brenda; and Naylor, Robert, 4,835,172, Cl. 514-392.000.
  - Thominet, Michel; Acher, Jacques; and Monier, Jean-Claude, 4,816,471, Cl. 514-428.000.
- Societe d'Etudes Techniques et d'Entreprises Generales Sodeteg: *See*—
  - Bonneau, Alain, 4,833,837, Cl. 52-2.00G.
  - Bonneau, Alian; and Paseri, Jacques, 4,799,792, Cl. 356-124.000.
- Societe d'Exploitation de Brevets pour l'Industrie et la Marine: *See*—
  - Gemignani, Andre; Boulogne, Serge J.; and Schaumburg, Gerald, 4,802,505, Cl. 137-492.000.
- Societe d'Exploitation de Brevets pour l'Industrie et la Marine Sebim: *See*—
  - Gemignani, Andre, 4,872,639, Cl. 251-61.400.
- Societe d'Exploitation F.F.D.M.-Pneumat: *See*—
  - Dupin, Claude, 4,805,404, Cl. 60-409.000.
- Societe dite MBK Industries Societe Nouvelle MOTOBECANE S.A.: *See*—
  - Rakover, Jean-Jacques, 4,862,999, Cl. 188-24.180.
- Societe ECA: *See*—
  - Darche, Michel J. P., 4,843,996, Cl. 114-245.000.
- Societe Electronique de la Region Pays de Loire: *See*—
  - Colineau, Joseph; and Ahmari, Hossein, 4,816,908, Cl. 358-60.000.
  - Gontier, Bruno, 4,858,816, Cl. 228-34.000.
- Societe Equipements Electriques Moteur: *See*—
  - Froment, Francis, 4,883,152, Cl. 192-42.000.
- Societe Europeenne de Propulsion: *See*—
  - Beboux, Jean, 4,803,038, Cl. 264-3.300.
  - Beboux, Jean, 4,823,548, Cl. 60-253.000.
  - Christin, Francois, 4,823,734, Cl. 118-719.000.
  - Pillot, Jean-Paul; Bacque, Eric; Dunogues, Jacques; Biran, Claude; and Olry, Pierre, 4,806,666, Cl. 556-412.000.
  - Valentian, Dominique, 4,836,771, Cl. 432-210.000.
- Societe Fluidbi: *See*—
  - Hellio, Herve; Feugier, Alain; Martin, Gerard; and Pontier, Renaud, 4,862,954, Cl. 165-104.130.
- Societe Fontaine: *See*—
  - Lewiner, Jacques; Hennion, Claude; and Leonard, Didier, 4,857,913, Cl. 340-825.310.
- Societe Francaise d'Aerosol et de Bouchage: *See*—
  - Bougamont, Jean-Louis; and Behar, Alain, 4,842,168, Cl. 222-402.200.
- Societe Francaise de Munitions: *See*—
  - Sommet, Pierre, 4,878,434, Cl. 102-514.000.
- Societe Francaise de Stockage Geologique- Geostock: *See*—
  - Grappe, Jacques, 4,805,445, Cl. 73-49.200.
- Societe Francaise d'Entretian et Montages Industriels Sofremi Zone Industrielle: *See*—
  - Omente, Pedro, 4,821,455, Cl. 47-61.000.
- Societe Francaise d'Equipements pour la Navigation Aerienne (S.F.E.N.A.): *See*—
  - Boyer, Francis, 4,882,845, Cl. 33-328.000.
  - Fagard, Pierre, 4,838,647, Cl. 350-174.000.
  - Lebrun, Jean-Louis; and Pont, Patrick, 4,837,696, Cl. 364-427.000.
  - Pilot, Alain; and Grasset, Marcel, 4,795,899, Cl. 250-216.000.
  - Vichon, Didier; Bardon, Dominique; and Encrenaz, Christian, 4,798,449, Cl. 350-358.000.
- Societe Francaise d'Equipments pour la Navigation Aerienne (S.F.E.N.A.): *See*—
  - Boyer, Francis, 4,862,149, Cl. 340-635.000.
  - Grauz, Daniel; and Marchal, Claude, 4,862,151, Cl. 340-706.000.
- Societe Francaise d'Etudes et de Realisation d'Outillage: *See*—
  - Cuilleron, Jean, 4,861,201, Cl. 4[illegible]-139.000.
- Societe Francaise Hoechst: *See*—
  - Blanc, Alain; Hamedi-Sangsari, Farid; and Chastrette, Francine J., 4,835,320, Cl. 568-465.000.
  - Chastrette, Francine J.; and Stambouli, Abdelhamid, 4,851,577, Cl. 564-208.000.
  - Sidot, Christian; and Christidis, Yani, 4,810,822, Cl. 562-567.000.
  - Wilhelm, Didier; Gelabert, Antonio; and Blanc, Alain, 4,854,934, Cl. 8-185.000.
- Societe Generale des Faux Minerales de Vittel: *See*—
  - Schmitz, Roger, 4,861,413, Cl. 156-515.000.
- Societe Generale pour les Techniques: *See*—
  - Guilloteau, Rene , 4,836,581, Cl. 285-31.000.
- Societe Generale pour les Techniques Nouvelles S.G.N.: *See*—
  - Aubert, Bruno, 4,797,232, Cl. 252-629.000.
  - Gabillet, Maurice, 4,846,625, Cl. 414-737.000.
- Societe Gerac: *See*—
  - Side, Solly, 4,835,919, Cl. 52-79.900.
- Societe Industrielle de Combustible Nucleaire: *See*—
  - Cerceau, Jean-Michel, 4,798,026, Cl. 51-204.000.
  - Cerceau, Jean-Michel, 4,824,442, Cl. 51-293.000.
- Societe Industrielle de l'Anhydride Carbonique: *See*—
  - Castan, Joseph, 4,886,534, Cl. 62-35.000.
- Societe Industrielle de Liaisons Electriques: *See*—
  - Audoux, Christian; Rivas, Edouard; and Rossignol, Georges, 4,871,499, Cl. 264-173.000.
  - Fraize, Claude R.; Forja, Christian; and Calevo, Robert, 4,802,724, Cl. 350-96.200
  - Missout, Bernard M.; and Michaux, Jean-Pierre, 4,825,629, Cl. 57-6.000.
- Societe Industrielle de Prefabrication Electrique: *See*—
  - Pourchon, Andre; and Guinamard, Dominique, 4,886,290, Cl. 280-704.000.
- Societe Industrielle d'Electro-Metallurgie: *See*—
  - Viellet, Guy, 4,869,624, Cl. 407-104.000.
- Societe Industrielle d'Equipment Mecanique: *See*—
  - Servant, Antoine, 4,850,521, Cl. 277-167.500.

- Societe Industrielle d'Equiptment Technique d'Appareils de Manutention: *See—*
  - Gros, Jacques, 4,831,962, Cl. 118-423.000.
- Societe Industrielle du Metal Usine (SIMU): *See—*
  - Bresson, Rene; and Cerutti, Jean-Pierre, 4,848,433, Cl. 160-178.100.
  - Bresson, Rene, 4,850,418, Cl. 160-310.000.
- Societe Industrielle et Commerciale de Materiel Aeronauti Que Societe Anonyme: *See—*
  - Vallee, Bernard, 4,861,103, Cl. 297-216.000.
- Societe Industrielle et Forestiere d'Etudes et de Realisations (Sifer): *See—*
  - Pomies, Jean-Pierre; and Gomel, Bernard, 4,800,936, Cl. 144-3.00D.
- Societe Inter-Color: *See—*
  - Alexandre, Bernard; Cornillon, Jean-Paul; and Rollet, Georges, 4,838,435, Cl. 209-555.000.
  - Rollet, Georges; and Alexandre, Bernard, 4,823,163, Cl. 355-41.000.
- Societe Jacques Dubois: *See—*
  - Brandener, Louis, 4,863,200, Cl. 285-234.000.
- Societe Joseph Sauron Material Industriel: *See—*
  - Bazinet, Marc; and Sauron, Jean, 4,856,168, Cl. 29-272.000.
- Societe Lohr: *See—*
  - Andre, Jean-Luc, 4,804,302, Cl. 410-19.000.
- Societe Lorraine de Laminage Continu - Sollac: *See—*
  - Christiany, Charles, 4,796,665, Cl. 137-614.130.
- Societe Majorette: *See—*
  - Genevey, Raymond, 4,850,929, Cl. 446-466.000.
- Societe Manzoni Bouchot: *See—*
  - Manzoni, Bernard, 4,819,050, Cl. 340-425.500.
  - Manzoni, Bernard, 4,871,246, Cl. 350-633.000.
  - Manzoni, Stephane, 4,824,065, Cl. 248-483.000.
- Societe Montalbanaise de Constructions Mecaniques: *See—*
  - Blanc, Philippe, 4,807,422, Cl. 53-248.000.
  - Blanc, Philippe, 4,836,355, Cl. 198-418.600.
- Societe Montgon Systemes: *See—*
  - Montgon, Serge, 4,867,321, Cl. 212-196.000.
- Societe Nationale des Chemins de Fer Francais: *See—*
  - Bernard, Fatrice; Lancien, Daniel; and Gazet, Andre , 4,863,123, Cl. 246-122.00R.
- Societe Nationale des Poudres et Explosifs: *See—*
  - Anfosso, Roger; Borg, Evrard; Doute, Jean-Rene; Zwiller, Charles; and Gouallec, Jean-Pierre, 4,832,265, Cl. 239-271.000.
  - Barruet, Patrick; Fauconnier, Alain; and Carle, Pierre-Regis, 4,859,454, Cl. 424-40.000.
  - Boileau, Jacques; Leneveu, Louis; and Tromeur, Monique, 4,842,658, Cl. 149-92.000.
  - Bowman, Mark; Olofson, Roy; Malfroot, Thierry; and Senet, Jean-Pierre, 4,808,743, Cl. 558-141.000.
  - Fontanille, Michel; Krantz, Nicolas; Gautier, Jean-Claude; and Raynal, Serge, 4,845,153, Cl. 525-105.000.
  - Gauthier, Patricia; Malfroot, Thierry; and Senet, Jean-Pierre, 4,820,856, Cl. 558-249.000.
  - Malfroot, Thierry; Piteau, Marc; and Senet, Jean-Pierre, 4,808,745, Cl. 558-277.000.
  - Maures, Michel; Bonnabaud, Thierry; and Gendreau, Francois, 4,826,637, Cl. 264-3.400.
  - Pattein, Jacky; and Le Roy, Patrice, 4,859,742, Cl. 525-131.000.
  - Senet, Jean-Pierre; Gauthier, Patricia; Malfroot, Thierry; and Wolf, Patrick, 4,806,286, Cl. 260-544.00K.
- Societe Nationale d'Etude et de Construction de Moteur d'Aviation: *See—*
  - Demay, Pierre, 4,813,185, Cl. 51-7.000.
- Societe Nationale d'Etude et de Construction de Moteurs d'Aviation: *See—*
  - Barbier, Gerard Y. G.; Bayle-Laboure, Gerard J. P.: Desaulty, Michel A. A.; Martinez, Rodolphe; and Perigne, Jerome, 4,809,512, Cl. 60-748.000.
  - Berneuil, Yves R. J.; and Jourdain, Gerard E. A., 4,817,871, Cl. 239-265.390.
  - Bouru, Michel A., 4,818,182, Cl. 416-215.000.
  - Saussier, Alain; and Sebilet, Bruno R., 4,873,699, Cl. 375-1.000.
- Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C M." : *See—*
  - Autie, Pascal J. M.; Avignon, Philippe P.; Camusso, Dominique P.; Forestier, Alexandre; and Ulryck, Gilles, 4,858,721, Cl. 181-213.000.
- Sooiete Nationale d'Etude et de Construction de Moteurs d'Aviation "S.N.E.C.M.A." : *See—*
  - Asselin, Jean-Claude; and Glowacki, Pierre A., 4,863,354, Cl. 416-245.00R.
  - Barbier, Gerard Y. G.: Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., 4,805,397, Cl. 60-39.320.
  - Belbouche, Lionel A., 4,858,430 Cl. 60-226.200.
  - Bois, Francoise J.; Remy, Luc G.; and Theret, Jean-Marc C., 4,818,306, Cl. 148-404.000.
  - Bouillot, Pierre A. P.; and Genet, Claude A. L., 4,821,387, Cl. 29-157.00C.
  - Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., 4,817,375, Cl. 60-39.281.
  - Brocard, Jean-Marie; Perrodeau, Eric; and Vernochet, Maurice G., 4,817,376, Cl. 60-39.281
  - Caruel, Jacques E. J., 4,802,337, Cl. 60-749.000.
  - Cuisin, Thierry A.; Dody, Jean-Noel E.; and Flochel, Jean-Pierre, 4,844,148, Cl. 164-519.000.
  - Daguet, Alain P. M.; Glowacki, Pierre A.; and Lassignardie, Herve, 4,870,826, Cl. 60-751.000.
  - Fetiveau, Jean Y. L., 4,875,831, Cl. 416-228.000.
  - Feuvrier, Thierry; and Forestier, Alexandre, 4,820,120, Cl. 415-189.000.
  - Gastebois, Philippe M. D.; and Imbault, Jean-Francois R., 4,802,824, Cl. 416-193.00A.
  - Gely, Jean-Marie L., 4,815,281, Cl. 60-226.100.
  - Jourdain, Gerard E. A.; Payen, Jean M.; and Mazeaud, Georges, 4,805,398, Cl. 60-39.750.
  - Kervistin, Robert, 4,849,895, Cl. 364-431.020.
  - Lallement, Bernard L., 4,819,709, Cl. 164-154.000.
  - Mandet, Gerard M. F.; and Martinez, Rodolphe, 4,825,641, Cl. 60-39.230.
  - Martinou, Robert L.; and Ruimi, Michel M., 4,886,583, Cl. 204-16.000.
  - Martinou, Robert L.; and Ruimi, Michel M., 4,886,585, Cl. 204-23.000.
  - Mouton, Pierre C., 4,805,873, Cl. 251-31.000.
  - Naudet, Jacky, 4,844,694, Cl. 416-198.00A.
  - Pham, Lucien; and Taillani, Jean-Claude C., 4,884,903, Cl. 384-563.000.
  - Reboullet, Marc J., 4,819,002, Cl. 343-765.000.
  - Ruis, Jean-Pierre, 4,821,758, Cl. 137-15.100.
- Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "SNECMA": *See—*
  - Touze, Eric, 4,883,407, Cl. 415-190.000.
- Societe Nationale Elf Aquitaine: *See—*
  - Armand, Michel; Fouletier, Mireille; and Degott, Pierre, 4,803,249, Cl. 525-326.200.
  - Armand, Michel, 4,818,644, Cl. 429-192.000.
  - Armand, Michel; Gauthier, Michel: and Muller, Daniel, 4,851,307, Cl. 429-192.000.
  - Bader, Jean-Marc, 4,795,340, Cl. 431-1.000.
  - Basset, Jean-Marie; Leconte, Michel; Ollivier, Jean; and Quignard Francoise, 4,861,848, Cl. 526-169.000.
  - Batteux, Jacques; and Sharonizadeh, Ahmad, 4,853,012, Cl. 55-44.000.
  - de Louvencourt, Laurence; Fukuhara, Hiroshi; Heslot, Henri; and Wesolowski, Micheline, 4,806,472, Cl. 435-68.000.
  - Gancet, Christian; Guignard, Claude; and Fourmentraux, Philippe, 4,855,233, Cl. 435-135.000.
  - Gourlia, Jean P.; and Thiebaut, Marie-Florence, 4,826,574, Cl. 202-158.000.
  - Labat, Yves, 4,847,420, Cl. 568-55.000.
  - Laval, Jean-Paul; Leconte, Michel; Ollivier, Jean; Perez, Emile Quignard, Francoise; and Rico, Isabelle, 4,837,188, Cl. 502-107.000.
  - Lopez, Denis; Maldonado, Paul; Meunier, Gilles; and Navascues Luc, 4,870,137, Cl. 525-329.900.
  - Nathan, Guy; and Vicaine, Bernard, 4,847,540, Cl. 318-254.000.
  - Oliveau, Olivier; and Peytavy, Jean-Louis, 4,844,876, Cl. 423-220.000.
  - Payre, Didier; Crozat, Georges; and Spinner, Bernard, 4,873,842, Cl. 62-480.000.
  - Staron, Philippe; and Gros, Pierre, 4,811,814, Cl. 181-108.000.
  - Tozzolino, Pierre; and Cahiez, Gerard, 4,827,044, Cl. 568-319.000.
- Societe Nationale Elf Aquitaine (Production): *See—*
  - Arens, Georges; Delvaux, Jacques; and Gros, Pierre, 4,856,614, Cl. 181-104.000.
  - Besnard, Francois, 4,809,784, Cl. 166-340.000.
  - Desgranchamps, Guy, 4,808,341, Cl. 260-504.00R.
  - Elgue, Jean; Oliveau, Olivier; and Peytavy, Jean-Louis, 4,889,70[illegible], Cl. 423-220.000.
  - Fouillout, Christian; and Sango, Daniel, 4,805,697, Cl. 166-265.000.
  - Garland, Emmanuel, 4,860,591, Cl. 73-861.040.
  - Gongora, Henri; and Darche, Yves. 4,876,389, Cl. 568-26.000.
  - Gras, Claude; Arditty, Patricia; and Staron, Philippe, 4,864,545, Cl. 367-31.000.
  - Guesnet, Patrice; Kawamura, Tetsuchi; Savin, Gerard; Pouzet Sabine; and Castera, Charles, 4,880,552, Cl. 252-34.000.
  - Labat, Yves; and Desgrandchamps, Guy, 4,827,040, Cl. 568-21.000
  - Lechon, Alain; and Le Luel, Yves, 4,799,816, Cl. 403-2.000.
  - Ollivier, Jean; Lagaude, Christian H.; Baptiste, Hubert; and Larouy, Michele, 4,859,373, Cl. 562-119.000.
  - Parant, Jean-Pierre; Mariotti, Christian; and Rousselet, Patrick 4,800,966, Cl. 175-73.000.
  - Parent, Jean-Pierre, 4,842,081, Cl. 175-23.000.
  - Parizot, Claude; Boj, Claude; and Schawann, Jean C., 4,848,474, Cl. 166-366.000.
  - Staron, Philippe, 4,833,658, Cl. 367-27.000.
  - Voirin, Robert, 4,814,159, Cl. 423-574.00R.
  - Voirin, Robert; and Pepy, Andre, 4,849,204, Cl. 423-578.00R.
- Societe Nationale Industrielle et Aerospatiale: *See—*
  - Bost, Michel, 4,806,077, Cl. 416-226.000.
  - Cahuzac, Georges J. J., 4,805,422, Cl. 66-13.000.
  - Renard, Pierre; and Chareire, Jean-Louis, 4,813,967, Cl. 623-46.000
- Societe Nationale Industrielle et Aerospatiale des Poudres: *See—*
  - Moingeon, Marie-Odile; Chaussard, Jacques; Troupel, Michel; and Saboureau, Christophe, 4,824,532, Cl. 204-72.000.
- Societe Nationale Industrielle SA: *See—*
  - Jennet, Michel; and Luce, Jean-Claude G. M., 4,849,062, Cl. 156-364.000.
- Societe NEYPRIC: *See—*
  - Sauron, Albert; and Bremond, Jacques, 4,867,636, Cl. 415-160.000
- Societe Nouvelle Auxim: *See—*
  - Comte, Gilles; and Viode, Andre, 4,877,056, Cl. 137-599.000.
- Societe Nouvelle Baele Gangloff: *See—*
  - Braymand, Robert, 4,849,235, Cl. 426-232.000.
- Societe Nouvelle des Ateliers et Chantiers du Havre: *See—*
  - Berne, Jean G., 4,796,449, Cl. 72-9.000.
- Societe Nouvelle des Etablissements J. Lagarde: *See—*
  - Gibot, Claude; Peyremorte, Jean-Pierre; and Sojka, Richard, 4,878,353, Cl. 62-52.100.
- Societe Nouvelle d'Exploitation la Calhene: *See—*
  - Teillauchet, Eric; and Bandiera, Angelo, 4,873,885, Cl. 74-520.000.
- Societe Orega Electronique et Mecanique: *See—*
  - Lobry, Claude; and Trutt, Didier, 4,797,996, Cl. 29-740.000.
  - Vincent, Joel, 4,858,098, Cl. 363-45.000.
- Societe Perrichon: *See—*
  - Perrichon, Francois, 4,849,609, Cl. 219-449.000.
- Societe Pour la Transformation des Matieres Plastiques Stamp: *See—*
  - Massonnet, Henry, 4,856,845, Cl. 297-286.000.
- Societe pour l'Application de l'Optique et de l'Electronique a la Recherche et a l'Automatisation Optelec: *See—*
  - Chappel, Bernard, 4,812,798, Cl. 336-98.000.
- Societe pour l'Application de l'Optique et de l'Electronique a la Recherche et a l'Automatisation Optelec, societe anonyme: *See—*
  - Bernard, Chappel, 4,847,583, Cl. 336-84.00C.
- Societe pour l'Etude et la Fabrication de Circuits Integres Speciaux EFCIS: *See—*
  - Rochet, Andre; Dubois, Guy; Faure, Louis; and Lalanne, Alain, 4,805,759, Cl. 198-346.100.
- Societe Precision Generale: *See—*
  - Pegon, Daniel, 4,819,973, Cl. 285-332.300.
- Societe Quebecoise d'Initiatives Petrolieres: *See—*
  - Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.
- Societe Redex: *See—*
  - Pescher, Michel, 4,819,507, Cl. 74-665.0GA.
- Societe Rousseau S.A.: *See—*
  - Rousseau, Claude, 4,828,447, Cl. 474-148.000.
- Societe SKIS ROSSIGNOL S.A.: *See—*
  - Movilliat, Pierre A.; Piegay, Yves; and Gardin, Gilles D., 4,875,679, Cl. 273-73.00R.
- Societe Sofratemed S.A.: *See—*
  - Benessis, Philippe L.; and Jannitte, Patrick H., 4,860,394, Cl. 5-62.000.
- Societe Stein Heurtey, Z.A.I.: *See—*
  - Wang, Robert, 4,840,680 Cl. 134-40.000.
- Societe Technique pour l'Energie Atomique Technicatome: *See—*
  - Pfertzel, Roger; and Quenault, Maurice, 4,820,426, Cl. 210-779.000.
- Societe Thermique Generale Vinicole: *See—*
  - Laude-Bousquet, Adrien, 4,814,189, Cl. 426-15.000.
- Societe Uranium Pechiney, Framatome & Cogema, & Cie: *See—*
  - Michel, Pirsoul, 4,889,665, Cl. 264-0.500.
- Societe Vynex S.A.: *See—*
  - Dechirot, Jean-Pierre, 4,797,819, Cl. 364-403.000.
  - Dechirot, Jean-Pierre, 4,821,894, Cl. 211-59.300.
- Society les Applications Industrielles Vosgiennes en Abrege : *See—*
  - Fort, Jacques, 4,824,095, Cl. 271-245.000.
- Society said: ROVIP: *See—*
  - Rollett, Marius, 4,799,646, Cl. 251-88.000.
- Sockel, Karl-Heinz: *See—*
  - Achtenberg, Theo; Metzinger, Hans-Gerd; Sattlegger, Hans; Sockel, Karl-Heinz; and Weber, Wilhelm, 4,870,130, Cl. 524-787.000.
- Sockwell, C. Leon; Kitterman, John F.; Kitterman, Kent B.; and Koenig, Richard F. Truck body for recyclable materials. 4,830,436, 5-16-89, Cl. 298-8.00R.
- SoCo Manufacturing: *See—*
  - Sorenson, Randall D., 4,803,788, Cl. 37-117.500.
- Soda, Yutaka: *See—*
  - Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.
- Sodal, Ingvar E.; Bowman, Ronald R.; Hansell, Jerritt; Clark, Justin S.; and Criddle, Michael J., to Masstron, Inc. Calibration of a mass spectrometer. 4,847,493, 7-11-89, Cl. 250-252.100.
- Sodal, Ingvar E.: *See—*
  - Bowman, Ronald R.; Sodal, Ingvar E.; Wilke, Thomas A.; and Weller, Frank, 4,859,848, Cl. 250-296.000.
- Sodecim: *See—*
  - Verhille, Marcel, 4,842,616, Cl. 44-51.000.
- Sodeno, Toshiaki, to Yoshida Kogyo K. K. Button orienting and placing apparatus. 4,795,072, 1-3-89, Cl. 227-18.000.
- Sodeno, Toshiaki, to Yoshida Kogyo K. K. Method of attaching parts of separable bottom end assembly to a continuous slide fastener chain. 4,819,318, 4-11-89, Cl. 29-408.000.
- Sodeno, Toshiaki: *See—*
  - Yoshieda, Keiichi; Sassa, Yuusei; Sodeno, Toshiaki; and Miyazaki, Kunio, 4,821,396, Cl. 29-410.000.
- Sodeoka, Mikiko: *See—*
  - Shibasaki, Masakatsu; Sodeoka, Mikiko; Iseki, Katsuhiko; Shinoda, Masaki; Aoki, Chiyoko; Hayasi, Yosio; and Kanayama, Toshiji, 4,839,388, Cl. 514-530.000.
- Soder, Jorg M.: *See—*
  - Hamed, Saleman; and Soder, Jorg M., 4,823,595, Cl. 73-73.000.
- Soderlund, John D.; and Nishiura, Fumitaka, to Weyerhaeuser Company. Method for manufacture of an elastic leg diaper. 4,854,985, 8-8-89, Cl. 156-85.000.
- Soderman, Claes-Erik: *See—*
  - Svensson, Dick L.; and Soderman, Claes-Erik, 4,870,921, Cl. 118-676.000.
- Soderquist, Charles E.; and Beck, James P., to Cole-Parmer Instrument Company. Peristaltic pump having independently adjustable cartridges. 4,886,431, 12-12-89, Cl. 417-477.000.
- Soderqvist, Ulf, to Roy Soderqvist Mekaniska Verkstad AB. Cutting arrangement for intermittent cutting of web material. 4,799,413, 1-24-89, Cl. 83-71.000.
- Soderstrom, Bo: *See—*
  - Kedbrant, Tommy, 4,817,507, Cl. 98-40.030.
- Soderstrom, Hans S., to Trelleborg AB. Assembly system for tent and/or vehicle units. 4,815,490, 3-28-89, Cl. 135-97.000.
- Soderstrom, Leif E., to Telefonaktiebolaget L M Ericsson. Output stage with automatic level control for power line signalling. 4,843,345, 6-27-89, Cl. 330-282.000.
- Soderstrom, Ronald L.: *See—*
  - Block, Timothy R.; Soderstrom, Ronald L.; Heiling, Gerald M.; and Rocca, Charles J., 4,850,044, Cl. 455-607.000.
  - Block, Timothy R.; Enstrom, Mark R.; Luecke, Francis S.; Shidler, Karl A.; and Soderstrom, Ronald L., 4,870,635, Cl. 369-215.000.
- Sodeyama, Fumio: *See—*
  - Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,874,818, Cl. 525-183.000.
  - Yamamoto, Shosaku; Kakinuma, Kazuo; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, 4,883,834, Cl. 524-504.000.
- Sodibo S.p.A.: *See—*
  - Arbizzani, Tommaso, 4,831,848, Cl. 68-12.00R.
  - Arbizzani, Tommaso, 4,840,065, Cl. 73-295.000.
- Sodini, Charles G.: *See—*
  - Wade, Jon P.; and Sodini, Charles G., 4,799,192, Cl. 365-49.000.
  - Wade, Jon P.; and Sodini, Charles G., 4,831,585, Cl. 365-49.000.
- Sodler, Walter; Lubke, Eberhard; and Kuhlmann, Otto, to Sartorius GmbH. Balance with scale on top and parallel guide consisting of a one-piece casting and one-piece parallel guide system. 4,813,505, 3-21-89, Cl. 177-212.000.
- Sodler, Walter: *See—*
  - Knothe, Erich; Melcher, Franz-Josef; Maaz, Gunther; Dardat, Klaus; and Sodler, Walter, 4,798,250, Cl. 177-181.000.
- Sodra Skogsagarna AB: *See—*
  - Soremark, Christer; and Olsson, Ingemar, 4,857,126, Cl. 156-205.000.
- Sodt, Andrew J.: *See—*
  - Saxton, Jay R.; Sodt, Andrew J.; and Suslo, Dan J., 4,882,692, Cl. 364-518.000.
- Soe, Jorn B., to Grindsted Products A/S. Method for the production of a powdered additive for use in preparing food products having a foamed structure. 4,826,699, 5-2-89, Cl. 426-564.000.
- Soe, Kazuhiko: *See—*
  - Seko, Kiyoshi; Soe, Kazuhiko; Koike, Mitsuru; and Iida, Yoshitaka, 4,833,884, Cl. 60-567.000.
- Soechtig, Wolfgang, to Krauss-Maffei A.G. Impingement mixing device with pressure controlled nozzle adjustment. 4,854,713, 8-8-89, Cl. 366-132.000.
- Soeda, Katsuji, to Yamamoto Electric Corporation. Control apparatus for synchronous motors. 4,804,900, 2-14-89, Cl. 318-719.000.
- Soeda, Naohiko: *See—*
  - Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.
- Soederlund, Tom O., to Tandberg Data A/S. Method and arrangement in which capacity of a related storage medium is checked when buffering data. 4,868,737, 9-19-89, Cl. 364-200.000.
- Soehngen, John W., to Hoechst Celanese Corporation. Process for the production of microporous polybenzimidazole articles. 4,828,699, 5-9-89, Cl. 210-500.280.
- Soehnle-Waagen GmbH & Co.: *See—*
  - Stahl, Albrecht, 4,858,709, Cl. 177-164.000.
- Soejima, Katsutoshi: *See—*
  - Yonekura, Atushi; and Soejima, Katsutoshi, 4,833,318, Cl. 250-239.000.
- Soejima, Shigeo: *See—*
  - Mase, Syunzo; and Soejima, Shigeo, 4,797,194, Cl. 204-425.000.
  - Mase, Syunzo; and Soejima, Shigeo, 4,798,693, Cl. 264-44.000.
  - Mase, Syunzo; and Soejima, Shigeo, 4,861,456, Cl. 204-425.000.
- Soejima, Tetsuo: *See—*
  - Iguchi, Kazuo; Soejima, Tetsuo; Amemiya, Shigeo; and Komine, Hiroaki, 4,850,047, Cl. 455-612.000.
  - Iquchi, Kazuo; Soejima, Tetsuo; and Murano, Kazuo, 4,829,518, Cl. 370-100.000.
- Soekor (Proprietary) Limited: *See—*
  - Smith, George C., 4,817,060, Cl. 367-52.000.
- Soeldner, J. Stuart, to Joslin Diabetes Center, Inc. Method of detecting antibodies. 4,855,242, 8-8-89, Cl. 436-539.000.
- Soelkner, Gerald, to Siemens Aktiengesellschaft. Mechanical probe for optical measurement of electrical signals. 4,857,836, 8-15-89, Cl. 324-96.000.
- Soemers, Hermanus M. J. R., to U.S. Philips Corporation. Method of mounting a deflection unit on a cathode ray tube envelope and combination resulting therefrom. 4,803,559, 2-7-89, Cl. 358-248.000.
- Soerens, Dave A.; Sauer, Linda K. H.; and Wendt, Gregory A., to Kimberly-Clark Corporation. Process for making soft, strong cellulosic sheet and products made thereby. 4,795,530, 1-3-89, Cl. 162-111.000.
- Soethout, Freddie: *See—*
  - Radtke, Wolfgang; and Soethout, Freddie, 4,807,523, Cl. 98-2.150.

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Solberg, Mark A., to Morton Thiokol, Inc. Variable mass flow rate solid propellant grain 4,856,276, 8-15-89, Cl. 60-250.000.

Solbrig, Christian: *See—*

Gamon, Norbert; Solbrig, Christian; and Launsperger, Karl, 4,888,405, Cl. 528-23.000.

Solc, Jitka: *See—*

Kwon, O'Dae; and Solc, Jitka, 4,824,587, Cl. 252-62.550.

Solco Basel: *See—*

Chia, Han-Lie; Popescu, Horia; and Boehmer, Gabrielle, 4,873,074, Cl. 424-1.100.

Solco Basel AG: *See—*

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Soldanski, Heinz; Holdt, Bernd-Dieter; Keup, Petra; and Meier-Krug, Ursula, to Henkel Kommanditgesellschaft auf Aktien. Process for removing stains from fabrics. 4,834,900, 5-30-89, Cl. 252-88.000.

Soldanski, Heinz-Dieter; Kalibe, Marlis; and Holdt, Bernd-Dieter, to Henkel Kommanditgesellschaft auf Aktien. Cleaning preparation for glass. 4,808,329, 2-28-89, Cl. 252-162.000.

Soldat, Thomas L.: *See—*

Morris, Rick; Moseley, Douglas D.; Rimlinger, Gary M.; and Soldat, Thomas L., 4,865,162, Cl. 188-72.800.

Soldatovic, Dragisa. Apparatus for removing asbestos from pipes. 4,809,391, 3-7-89, Cl. 15-301.000.

Soldenwagner, Max J.: *See—*

Chu, Yen C.; Berticevich, Edward N.; and Soldenwagner, Max J., 4,800,838, Cl. 118-505.000.

Sole, Carlos M.: *See—*

Vallvey, Juan A.; and Sole, Carlos M., 4,832,749, Cl. 106-419.000.

Sole, Jean: *See—*

Nakach, Alain; Sole, Jean; and Starzynski, Pierre, 4,847,515, Cl. 307-255.000.

Sole, Juan V.: *See—*

Llorens, Rafael G.; and Sole, Juan V., 4,859,082, Cl. 383-8.000.

Sole, Pedro, to United Brands Company. Banana processing. 4,874,617, 10-17-89, Cl. 426-49.000.

Soled, Stuart L.: *See—*

Iglesia, Enrique; Soled, Stuart L.; and Fiato, Rocco A., 4,822,824, Cl. 518-709.000.

Soleimani, Isaac. Remotely controlled briefcase alarm. 4,804,943, 2-14-89, Cl. 340-539.000.

Solem, Jan O.; Olin, Christian; and Scanlan, Timothy M., to Scanlan International. Blood vessel holder and method of using in anastomosis. 4,854,318, 8-8-89, Cl. 128-346.000.

Solem, Jan O.; and Pilman, Olev, to Gambro AB. Autotransfusion apparatus. 4,886,487, 12-12-89, Cl. 604-5.000.

Solems: *See—*

Schmitt, Jacques, 4,798,739, Cl. 427-38.000.

Soletanche: *See—*

Barre, Daniel, 4,824,176, Cl. 299-59.000.

Bollinger, Karl, 4,882,859, Cl. 37-187.000.

Bollinger, Karl; and Barre, Daniel, 4,883,134, Cl. 175-96.000.

Chagnot, Philippe; and Schreiber, Jean-Pierre, 4,800,967, Cl. 175-96.000.

Steff de Verninac, Bertrand, 4,844,549, Cl. 175-91.000.

Soletanche, Societe Anonyme Dite: *See—*

Aris, Raphael; Couprie, Pierre; and Gouvenot, Daniel, 4,834,579, Cl. 405-109.000.

Solf, Johannes: *See—*

Kern, Peter; Bayer, Gerhard; and Solf, Johannes, 4,829,858, Cl. 81-415.000.

Solfest, Patricia A.: *See—*

Strangman, Thomas E.; and Solfest, Patricia A., 4,880,614, Cl. 428-623.000.

Solheim, John A.; and Keller, Gary E., to Karsten Manufacturing Corporation. Slatwall mounting device. 4,805,784, 2-21-89, Cl. 211-94.000.

Solheim, John A.; and Schmidt, Gregory J., to Karsten Manufacturing Corporation. Golf bag with extensible support stand. 4,834,235, 5-30-89, Cl. 206-315.700.

Solhjell, Erik, to Tandberg Data A/S. Circuit arrangement for the recognition of impermissable phase errors in a phase locked loop. 4,803,704, 2-7-89, Cl. 375-120.000.

Solhjell, Erik, to Tandberg Data A/S. Improved method and arrangement for recording digital data on a magnetic recording medium by use of binary data signals and magnetic bias signals. 4,809,092, 2-28-89, Cl. 360-66.000.

Soli, Sigfrid D.; and van den Honert, Christopher, to Minnesota Mining and Manufacturing Company. Signal processor for and an auditory prosthesis utilizing channel dominance. 4,813,417, 3-21-89, Cl. 128-420.500.

Solia, Franco, to Akzo S.r.l. Boat propeller having counter-rotating screws and provided with a nozzle. 4,832,570, 5-23-89, Cl. 416-93.00A.

Solid Micron Materials, Pte, Ltd.: *See—*

Billiet, Romain L., 4,795,598, Cl. 264-40.600.

Solid State Devices: *See—*

Anderson, Russell Y., 4,859,190, Cl. 439-78.000.

Solid State Systems, Inc.: *See—*

Ewell, LuJack, 4,805,171, Cl. 370-110.100.

Rackin, Mark H., 4,852,087, Cl. 370-76.000.

Ratcliff, Reginald, 4,797,876, Cl. 370-62.000.

Ratcliff, Reginald, 4,809,261, Cl. 370-59.000.

Ratcliff, Reginald, 4,858,227, Cl. 370-59.000.

Solidiwaste Technology, L.P.: *See—*

Somerville, Robin; and Fan, Liang-Tseng, 4,875,905, Cl. 44-589.000.

Solie, Darryl W.: *See—*

Freeman, William A.; Hurlimann, Daniel E.; Miller, Ernest L.; and Solie, Darryl W., 4,829,462, Cl. 364-715.110.

Solie, Leland P., to Unisys Corporation. Surface acoustic wave doppler detector. 4,849,760, 7-18-89, Cl. 342-104.000.

Soligny, Robert E., Sr. Exercise device for installation in a doorway. 4,861,020, 8-29-89, Cl. 272-62.000.

Soliman, Mohamed M., to Worthington Industries, Inc. Annealing furnace. 4,846,675, 7-11-89, Cl. 432-77.000.

Soliman, Mohamed Y., to Halliburton Company. Method for performing fracturing operations. 4,828,028, 5-9-89, Cl. 166-250.000.

Soliman, Mohamed Y., to Halliburton Company. Method of evaluating subsurface fracturing operations. 4,836,280, 6-6-89, Cl. 166-250.000.

Soliman, Mohamed Y.: *See—*

Petak, Kevin R.; Soliman, Mohamed Y.; and Anderson, Merlin F., 4,797,821, Cl. 364-422.000.

Solina, Rodney M., to Northrop Corporation. Non high frequency clock dependent Manchester biphasic decoder and comparator. 4,807,260, 2-21-89, Cl. 375-110.000.

Solis S.r.l.: *See—*

Gazzarini, Vinico, 4,881,477, Cl. 112-121.150.

Gazzarrini, Vinicio, 4,871,206, Cl. 294-99.100.

Gazzarrini, Vinicio, 4,887,858, Cl. 294-1.100.

Solitron Devices Incorporated: *See—*

Tackett, Craig A., 4,834,676, Cl. 439 584.000.

Soll, David B.; and Failla, Stephen J. Method of marking the sclera and/or limbus in intraocular surgery. 4,880,017, 11-14-89, Cl. 128-898.000.

Soll, David B.: *See—*

Feinbloom, Richard E.; and Soll, David B., 4,863,468, Cl. 623-6.000.

Sollac: *See—*

Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, 4,849,083, Cl. 204-206.000.

Sollami, Phillip A. Rotary actuator. 4,823,678, 4-25-89, Cl. 92-125.000.

Sollenberger, Nelson R.: *See—*

Arnold, Hamilton W.; and Sollenberger, Nelson R., 4,849,991, Cl. 375-84.000.

Soller, Jochen: *See—*

Amlang, Klaus-Peter; Soller, Jochen; and Vogg, Guenter, 4,864,510, Cl. 364-478.000.

Sollich GmbH & Co. KG: *See—*

Sollich, Helmut, 4,859,483, Cl. 426-519.000.

Sollich, Helmut, 4,889,434, Cl. 374-25.000.

Sollich, Helmut, to Sollich GmbH & Co. KG. Method for continuous processing of substances containing cocoa butter or similar fats 4,859,483, 8-22-89, Cl. 426-519.000.

Sollich, Helmut, to Sollich GmbH & Co. KG. Apparatus for determining crystallization solidification curves of chocolate masses and similar fatty masses. 4,889,434, 12-26-89, Cl. 374-25.000.

Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased (by Krautzberger, Anni, administrator); and Woehrle, Albert, deceased (by Woehrle, Ingrid, administrator), to J. M. Voith, GmbH. Device for coating traveling material webs. 4,834,018, 5-30-89, Cl. 118-410.000.

Sollinger, Hans-Peter; and Woehrle, Albert, deceased (by Woehrle, Ingrid, executrix), to J. M. Voith GmbH. Apparatus and method for applying a liquid to a moving web. 4,848,268, 7-18-89, Cl. 118-227.000.

Sollinger, Hans-Peter; and Kustermann, Martin, to J. M. Voith GmbH. Coating device. 4,869,933, 9-26-89, Cl. 427-356.000.

Sollinger, Hans-Peter; Meinecke, Albrecht; Weiss, Hans; and Beiswanger, Rudolf, to J. M. Voith GmbH. Method and apparatus for coating running webs. 4,880,671, 11-14-89, Cl. 427-356.000.

Sollinger, Hans-Peter: *See—*

Sieberth, Ralf; and Sollinger, Hans-Peter, 4,856,454, Cl. 118-126.000.

Sollinger, Johann. Automatic metering apparatus. 4,811,011, 3-7-89, Cl. 340-870.020.

Sollinger, John F.: *See—*

Aldrich, Donald C.; Buchanan, Robert C.; and Sollinger, John F., 4,846,908, Cl. 156-148.000.

Sollitto, Vincent F., Jr.: *See—*

Aichelmann, Frederick J., Jr.; and Sollitto, Vincent F., Jr., 4,796,222, Cl. 364-900.000.

Sollner, George H.: *See—*

Lindvay, Michael W.; Knerr, Allan R.; and Sollner, George H., 4,849,465, Cl. 524-736.000.

Sollner, Gerhard: *See—*

Ostermann, Friedrich; Dumont, Christian; Balbach, Rainer; and Sollner, Gerhard, 4,886,713, Cl. 428-687.000.

Sollner, T. C. L. Gerhard; and Brown, Elliott R., to Massachusetts Institute of Technology. Harmonic multiplier using resonant tunneling device. 4,831,340, 5-16-89, Cl. 331-76.000.

Solloway, Daniel S. Aquatic boot. 4,813,668, 3-21-89, Cl. 272-116.000.

Solloway, Daniel S. Aquatic dumbell. 4,819,951, 4-11-89, Cl. 272-116.000.

Sollradl, Herbert: *See—*

Harms, Haio; Schobesberger, Manfred; Sollradl, Herbert; and Weinrotter, Klaus, 4,871,500, Cl. 264-178.00R.

Solmat Systems Ltd.: *See—*

Shilo, Moshe; and Fattom, Ali, 4,826,624, Cl. 252-312.000.

Solmecs Corporation N.V.: *See—*

Blumenau, Leif, 4,831,299, Cl. 310-11.000.

Branover, Herman; and Sukoriansky, Semion, 4,828,610, Cl. 75-10.160.

Petrick, Michael, 4,800,727, Cl. 60-649.000.

Sukoriansky, Semion; Blumenau, Leif; and Spero, Yechezkal E., 4,847,525, Cl. 310-11.000.

Solnordal, Steinar: *See—*

Planke, Tore; Nordbryhn, Andreas; and Solnordal, Steinar, 4,859,862, Cl. 250-560.000.

Solo, Alan J., to Valid Technologies, Ltd. Access card provided with coded security means. 4,801,790, 1-31-89, Cl. 235-487.000.

Solohill Engineering Inc.: *See—*

Varani, James; Solomon, David E.; Hillegas, William J.; and Melmoth, David L., 4,829,004, Cl. 435-296.000.

Solomon, Daniel M.; and Kaminski, James J., to Schering Corporation. Method of treating hyperploliferative skin disease with substituted-2,3-dihydro-6-substituted -pyrimido[2,1]-purine-4,8(1H,9H)diones. 4,816,458, 3-28-89, Cl. 514-267.000.

Solomon, Daniel M.; Kaminski, James J.; and Conn, David J., to Schering Corporation. Substituted-2,3-dihydro-6-substituted-pyrimido[2,1-F]-purine-4,8(1H,9H)-diones. 4,847,377, 7-11-89, Cl. 544-251.000.

Solomon, David E.; and Hillegas, William J. Filter-separator pour-out cap. 4,880,140, 11-14-89, Cl. 220-371.000.

Solomon, David E.: *See—*

Varani, James; Solomon, David E.; Hillegas, William J.; and Melmoth, David L., 4,829,004, Cl. 435-296.000.

Solomon, Dennis, to Altman Stage Lighting Co. Color changer. 4,811,182, 3-7-89, Cl. 362-293.000.

Solomon, Donald D.: *See—*

Hu, Can B.; Solomon, Donald D.; and Williamitis, Victor A., 4,842,889, Cl. 427-38.000.

Hu, Can B.; Solomon, Donald D.; and Shields, Nancy L., 4,865,870, Cl. 427-2.000.

Solomon, Donald F. Reverse osmosis system and automatic cycling booster pump therefor. 4,836,924, 6-6-89, Cl. 210-321.870.

Solomon, Donald F., to Wetco of Delaware, Inc. Reverse osmosis element. 4,844,805, 7-4-89, Cl. 210-321.820.

Solomon, Frank; Genodman, Yury; and Irizarry, Jaime, to Eltech Systems Corporation. Gas diffusion electrode. 4,877,694, 10-31-89, Cl. 429-27.000.

Solomon, Harold D.; and Greve, Wayne R., to Domino's Pizza, Inc. Food delivery hot bag with electric hot plate. 4,816,646, 3-28-89, Cl. 219-387.000.

Solomon, Ionel: *See—*

Thioulouse, Pascal; and Solomon, Ionel, 4,877,995, Cl. 313-507.000.

Solomon, Marjorie S.: *See—*

Domagala, John M.; Hagen, Susan E.; Sanchez, Joseph P.; and Solomon, Marjorie S., 4,840,956, Cl. 514-312.000.

Solomon, Merrill; and Kimball, John, to Telephone Connection, The. Anonymous interactive telephone system. 4,847,890, 7-11-89, Cl. 379-6.700.

Solomon, Merrill; and Kimball, John, to Telephone Connection, The. Anonymous interactive telephone system with expanded outward calling features. 4,878,239, 10-31-89, Cl. 379-67.000.

Solomon, Neil; and Solomon, Theodore C. Dietary supplement. 4,833,128, 5-23-89, Cl. 514-23.000.

Solomon, Paul M.; and Theis, Thomas N., to International Business Machines Corporation. Heterojunction field effect transistor having gate threshold voltage capability. 4,866,491, 9-12-89, Cl. 357-22.000.

Solomon, Peter R.: *See—*

Carangelo, Robert M.; and Solomon, Peter R., 4,824,790, Cl. 436-157.000.

Solomon, Ruth; and Rosenberg, Harvey J. Musical garment. 4,875,238, 10-24-89, Cl. 2-115.000.

Solomon, Theodore C.: *See—*

Solomon, Neil; and Solomon, Theodore C., 4,833,128, Cl. 514-23.000.

Solonche, David J.: *See—*

Gay, Thomas; Bertolami, Charles N.; and Solonche, David J., 4,836,218, Cl. 128-773.000.

Solorzano, Marilyn M.: *See—*

Mitchell, Gary A.; Jaffe, Gerald E.; and Solorzano, Marilyn M., 4,801,534, Cl. 435-13.000.

Soloski, Edward J.: *See—*

Evers, Robert C.; Abraham, Tonson; and Soloski, Edward J., 4,845,286, Cl. 564-154.000.

Soloski, Steven C.; and Hobrock, Lowell M., to Hughes Aircraft Co. Maintenance of uniform optical window properties. 4,829,162, 5-9-89, Cl. 219-522.000.

Soloviev, Sergei A.: *See—*

Fedorov, Svyatoslav N.; Krutov, Sergei V.; Soloviev, Sergei A.; Alexandrova, Olga G.; and Korshunova, Nadezhda K., 4,799,478, Cl. 128-303.100.

Fedorov, Svyatoslav N.; Soloviev, Sergei A.; Degtev, Evgeny I.; Ivashina, Albina I.; and Karavaev, Alexandr A., 4,884,569, Cl. 128-305.000.

Soloviev, Valery I.: *See—*

Alperovich, Boris I.; Paramonova, Ljutsia; Tjulkov, Gennady; Soloviev, Valery I.; and Paramonov, Alexandr I., 4,823,790, Cl. 128-303.100.

Tjulkov, Gennady I.; Alperovich, Boris I.; Paramonova, Ljutsia M.; Soloviev, Valery I.; and Paramonov, Alexandr I., 4,832,022, Cl. 128-303.100.

Solow, Joseph E., to Wolo Manufacturing Corporation. Automobile ignition lock cover with chain and bracket mounting. 4,798,066, 1-17-89, Cl. 70-212.000.

Solow, Joseph E., to Wolo Manufacturing Corporation. Motorcycle license plate frame. 4,819,355, 4-11-89, Cl. 40-209.000.

Solow, Joseph E., to Wolo Manufacturing Corporation. Safety rear license plate frame. 4,857,890, 8-15-89, Cl. 340-479.000.

Solow, Terry S. Suction-ventilated shoe system. 4,888,887, 12-26-89, Cl. 36-3.00R.

Soloy Dual Pac, Inc.: *See—*

Soloy, Joe I., 4,829,850, Cl. 74-665.00B.

Soloy, Joe I., to Soloy Dual Pac, Inc. Multiple engine drive for single output shaft and combining gearbox therefor. 4,829,850, 5-16-89, Cl. 74-665.00B.

Solstad, Russell V., to VTC Incorporated. Integrated circuit packaging process and structure. 4,870,476, 9-26-89, Cl. 357-80.000.

Solt, Floyd R.: *See—*

Beeman, John A.; Solt, Floyd R.; Leep, James L.; Marvin, Wayne S.; and Smith, Troy F., 4,838,430, Cl. 206-624.000.

Soltani, Peter K.; Wrigley, Charles Y.; and Storti, George M., to Quantex Corporation. High-luminance radioluminescent lamp. 4,855,879, 8-8-89, Cl. 362-84.000.

Soltec, B.V.: *See—*

Gieskes, Koenraad A., 4,848,640, Cl. 228-37.000.

Soltec Research Pty. Ltd.: *See—*

Halls, Neil G.; and Tomlinson, Roderick P. J., 4,882,182, Cl. 426-116.000.

Soltech, Inc.: *See—*

Mattingly, Bruce W.; and Coates, Roger J., 4,881,641, Cl. 206-320.000.

Soltis, Joseph R.; and Montrose, Robert E., to Liberty Diversified Industries. Compact disc security holder. 4,805,769, 2-21-89, Cl. 206-309.000.

Soltis, Michael W., to Ford Motor Company. Adaptive control system for operating adjustable automotive suspension units. 4,805,923, 2-21-89, Cl. 280-707.000.

Soltis, Michael W., to Ford Motor Company. High resolution digital suspension position sensor for automotive vehicle. 4,836,578, 6-6-89, Cl. 280-840.000.

Soltis, Michael W., to Ford Motor Company. Distance based method and apparatus for determining the center position of a vehicular steering system. 4,867,466, 9-19-89, Cl. 280-94.000.

Soltis, Richard E.: *See—*

Logothetis, Eleftherios M.; and Soltis, Richard E., 4,840,913, Cl. 436-116.000.

Logothetis, Eleftherios M.; Hetrick, Robert E.; Soltis, Richard E.; and Vassell, William C., 4,841,934, Cl. 123-440.000.

Soltz, Daniel J., to Fischer & Porter Co. Parasitic echo pulse rejector for ultrasonic liquid level meter. 4,821,569, 4-18-89, Cl. 73-290.00V.

Soltz, Daniel J., to Fischer & Porter Company. Time-shared AGC for ultra-sound liquid level meter. 4,868,797, 9-19-89, Cl. 367-98.000.

Solund, Jorgen, to ITS-Intern Transport System A/S. Sorting machine, in particlar for small parcels. 4,805,780, 2-21-89, Cl. 209-698.000.

Solutech, Inc.: *See—*

Jones, Jeffrey S., 4,795,426, Cl. 604-51.000.

Solv-Ex Corporation: *See—*

Rendall, John S., 4,875,998, Cl. 208-390.000.

Solv-X Inventions Ltd.: *See—*

Lee, Edward, 4,840,223, Cl. 165-95.000.

Solvay & Cie (Societe Anonyme): *See—*

Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.

Brahm, Jacques; Cornu, Pierre; Garnier, Pierre; Verlaeten, Jean; and Van Diest, Jacques, 4,857,292, Cl. 423-473.000.

Dessart, Herman, 4,889,641, Cl. 210-752.000.

Detournay, Jean-Paul; and Cabaraux, Emile, 4,800,008, Cl. 204-253.000.

Dusoleil, Serge; Preat, Jean-Luc; and Barthelemy, Odon, 4,882,376, Cl. 524-166.000.

Franklin, James, 4,849,561, Cl. 570-220.000.

Gago, Ignace; and Detroz, Rene , 4,879,839, Cl. 47-57.600.

Hardy, Nicolas, 4,806,622, Cl. 528-249.000.
Herman, Jean-Jacques; and Lecloux, Andre, 4,801,744, Cl. 564-65.000.
Legrand, Franz; and De Bruycker, Patricia, 4,798,710, Cl. 423-69.000.
Legrand, Franz; Van den Bossche-De Bruycker, Patricia; and Lerot, Luc, 4,830,993, Cl. 501-103.000.
Malfroid, Pierre; Nguyen, Qui L., and Blondin, Jean-Marie, 4,826,934, Cl. 525-412.000.
Malfroid, Pierre; Nguyen, Qui Long; Blondin, Jean-Marie; and Burnay, Jean-Paul, 4,889,892, Cl. 525-186.000.
Ninane, Leon; and Breton, Claude, 4,797,981, Cl. 23-303.000.
Servais, Michel; and Crochet, Roger, 4,795,837, Cl. 570-110.000.
Servais, Michel, 4,861,926, Cl. 570-110.000.
Van Asbroeck, Roger; and Blanc, Serge, 4,829,110, Cl. 524-81.000.
Vedove, Walter D., 4,885,210, Cl. 428-447.000.
Wautier, Henri; Legrand, Franz; and Lerot, Luc, 4,853,207, Cl. 423-592.000.

Solyfob Fonctions: *See—*
Lambert, Joel, 4,877,213, Cl. 248-451.000.

Solymar, Karoly: *See—*
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sickei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.

Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo ; Forisek, Istvan; Dorombozi, Laszlo ; and Lukonits, Otto , to Tatabanyai Szenbanyak. Mining method for working large-scale mineral deposits by the caving system. 4,799,738, 1-24-89, Cl. 299-11.000.

Solymos, Andras: *See—*
Kulcsar, Gyula; and Solymos, Andras, 4,838,433, Cl. 209-3.000.

Solymosi, Jozsef *See—*
Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.

Solyntjes, Alan J., to Minnesota Mining and Manufacturing Company. Image mask for microfilm roll handler. 4,813,780, 3-21-89, Cl. 353-88.000.

Solyntjes, Alan J.: *See—*
Redmond, Russell J.; Banks, Thomas F.; and Solyntjes, Alan J., 4,863,088, Cl. 227-19.000.

Solzer, Willi, to Faudi Feinbau GmbH. Tubular filter element with biasing element and method of making. 4,861,479, 8-29-89, Cl. 210-485.000.

Soma Dynamics Corporation: *See—*
Airy, James F.; and Kadavy, Thomas D., 4,801,138, Cl. 272-130.000.

Soma, Koroku; Watanabe, Noritsugu; and Taniguro, Wataru, to Pasco Corporation. Method for mobile survey of road surface. 4,796,998, 1-10-89, Cl. 356-376.000.

Soma, Koroku: *See—*
Ohama, Masanori; and Soma, Koroku, 4,861,157, Cl. 35?-132.000.

Soma, Masahiro; and Tanaka, Shinya, to Alps Electric Co., Ltd. X-Y position input apparatus including preventing dust interference. 4,881,065, 11-14-89, Cl. 340-710.000.

Soma, Takao; and Takahashi, Tomonori, to NGK Insulators, Ltd. Silicon nitride sintered bodies and process for manufacturing the same. 4,795,724, 1-3-89, Cl. 501-98.000.

Soma, Takao; and Takahashi, Tomonori, to NGK Insulators, Ltd. Production of silicon nitride sintered body. 4,801,414, 1-31-89, Cl. 264-65.000.

Soma, Takao: *See—*
Oda, Isao; and Soma, Takao, 4,798,493, Cl. 403-404.000.
Oda, Isao; and Soma, Takao, 4,874,674, Cl. 428-469.000.
Yoshida, Akiihiko; and Soma, Takao, 4,865,896, Cl. 428-116.000.

Somafer S.A.: *See—*
Fougeron, Charles; Fidon, Jean J.; and Janiaut, Herve, 4,849,184, Cl. 422-159.000.

Somanetics Corporation: *See—*
Stoddart, Hugh F.; and Lewis, Gary D., 4,817,623, Cl. 128-665.000.

Somar Corporation: *See—*
Arisato, Toshiyuki; Okitsu, Masatoyo; and Mitsuyasu, Toshio, 4,867,091, Cl. 114-97.000.
Hamamura, Fumio; and Fukuda, Ichio, 4,844,758, Cl. 156-64.000.
Hamamura, Fumio; Sawada, Noriyasu; and Fukuda, Ichio, 4,848,692, Cl. 242-68.300.
Hamamura, Fumio; and Sumi, Shigeo, 4,867,836, Cl. 156-584.000.
Kaneko, Shoji; and Nakamura, Atsumi, 4,841,558, Cl. 378-182.000.
Matsuo, Takao; and Sumi, Shigeo, 4,828,247, Cl. 271-240.000.
Matsuo, Takao; and Sumi, Shigeo, 4,842,672, Cl. 156-497.000.
Matsuo, Takao; and Sumi, Shigeo, 4,858,911, Cl. 271-240.000.
Matsuo, Takao; and Sawada, Norihasu, 4,863,550, Cl. 156-353.000.
Matsuo, Takao; Hamamura, Fumio; and Sumi, Shigeo, 4,880,488, Cl. 156-344.000.
Orikasa, Teruo; Sumi, Sigeo, and Taguchi, Hiroshi, 4,864,418, Cl. 358-296.000.
Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, 4,874,282, Cl. 414-416.000.
Seki, Mitsuhiro; Sumi, Sigeo; and Hamamura, Fumio, 4,867,837, Cl. 156-584.000.
Sumi, Shigeo, 4,798,646, Cl. 156-364.000.
Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, 4,844,772, Cl. 156-497.000.
Sumi, Sigeo, 4,855,012, Cl. 156-584.000.
Sumi, Sigeo, 4,862,064, Cl. 324-65.00P.
Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, 4,885,048, Cl. 156-552.000.
Sumi, Sigeo, 4,888,080, Cl. 156-344.000.
Sumi, Sigeo; Hamamura, Fumio; and Fukuda, Ichio, 4,888,083, Cl. 156-521.000.

Somarriba, Carlos: *See—*
Gandelman, George; and Somarriba, Carlos, 4,829,224, Cl. 320-2.000.

Somasiri, Nanayakkara L. D.: *See—*
MacDiarmid, Alan G.; and Somasiri, Nanayakkara L. D., 4,820,595, Cl. 429-27.000.

Somatics, Inc.: *See—*
Abrams, Richard; and Swartz, Conrad M., 4,873,981, Cl. 128-419.00S.
Abrams, Richard; and Swartz, Conrad M., 4,878,498, Cl. 128-419.00S.
Swartz, Conrad M., 4,870,969, Cl. 128-419.00S.

Somatogenetics International, Inc.: *See—*
Sinensky, Michael; and Spencer, Thomas A., 4,863,932, Cl. 514-307.000.

Sombroek, Johannes: *See—*
Raddatz, Peter; Gante, Joachim; Schmitges, Claus J.; Minck, Klaus Otto; Sombroek, Johannes; and Holzemann, Gunter, 4,829,053, Cl. 514-18.000.

Somekh, Sasson: *See—*
Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.

Somemiya, Akiyoshi; and Hirobe, Kazushi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Polyethylene terephthalate resin composition. 4,840,984, 6-20-89, Cl. 524-394.000.

Somer, Gerald L., to AMP Incorporated. RF modem with improved clock recovery circuit. 4,809,306, 2-28-89, Cl. 375-120.000.

Somers, Andreas J.: *See—*
Bollier, Marc M. P.; Gray, Arthur H.; and Somers, Andreas J., 4,828,721, Cl. 252-8.700.

Somers, Edward V.: *See—*
Grimble, Ralph E.; and Somers, Edward V., 4,812,373, Cl. 429-19.000.

Somers, Gerardus H. J., to U.S. Philips Corporation. Multitrack magnetic head having magnetically coupled transducer elements. 4,814,918, 3-21-89, Cl. 360-113.000.

Somers, James P.: *See—*
Wagner, Paul D.; and Somers, James P., 4,868,437, Cl. 310-78.000.

Somers, Ralph M.; Alcoke, Ronald G.; and McDonnell, Robert L., to General Electric Company. Video spot detector. 4,845,556, 7-4-89, Cl. 358-101.000.

Somers, Ralph M.: *See—*
McDonnell, Robert L.; Somers, Ralph M.; and Wilhelm, Roland K., 4,847,687, Cl. 358-101.000.

Somers, W. Karl: *See—*
Goble, E. Marlowe; and Somers, W. Karl, 4,870,957, Cl. 128-92.0YF.

Somerset Technologies, Inc.: *See—*
McGill, Paul E.; and Pitigliano, Frank J., 4,874,305, Cl. 425-131.100.

Somerton-Rayner, Michael, to Escaro Limited. All-terrain vehicle. 4,821,825, 4-18-89, Cl. 180-22.000.

Somerville, Dean S.; and Stokkeland, Curtis T. Grain cleaner. 4,877,039, 10-31-89, Cl. 460-97.000.

Somerville, Gordon R.; and Thomas, D. Bruce, to Boeing Company, The. Method and related apparatus for controlling the operation of a press brake. 4,864,509, 9-5-89, Cl. 364-476.000.

Somerville, Mark: *See—*
Ferrigno, Stephen J.; Somerville, Mark; and Young, William R., 4,830,934, Cl. 428-678.000.

Somerville, Norman H. Game board. 4,828,268, 5-9-89, Cl. 273-283.000.

Somerville Packaging Corporation: *See—*
DePaul, Richard E., 4,838,432, Cl. 206-632.000.
DePaul, Richard E., 4,872,609, Cl. 229-134.000.

Somerville, Richard: *See—*
Heggie, William; Page, Philip R.; Villax, Ivan; Hursthouse, Michael; and Somerville, Richard, 4,863,639, Cl. 260-351.500.

Somerville, Robin; and Fan, Liang-Tseng, to Solidiwaste Technology, L.P. Method of preparing a high heating value fuel product. 4,875,905, 10-24-89, Cl. 44-589.000.

Somerville, Thomas A., to Burr-Brown Corporation. Isolation amplifier with precise timing of signals coupled across isolation barrier. 4,835,486, 5-30-89, Cl. 330-10.000.

Somerville, Thomas A., to Burr-Brown Corporation. Current sense amplifier with low, nonlinear input impedance and high degree of signal amplification linearity. 4,887,047, 12-12-89, Cl. 330-257.000.

Someshwar, Ashok; and Pappert, Bernard, to Motorola, Inc. Barrel shifter. 4,827,441, 5-2-89, Cl. 364-715.080.

Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, to Energy Support Corporation. Voltage sensor. 4,804,922, 2-14-89, Cl. 324-457.000.

Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, to Energy Support Corporation. Zero-phase-sequence voltage sensing apparatus. 4,879,509, 11-7-89, Cl. 324-108.000.

Somex S.A.: *See—*
Buessinger, Pierre; Colin, Pierre; and Rudolf, Rene, 4,859,085, Cl. 384-45.000.

Someya, Akihiko, to Kabushiki Kaisha Toshiba. Apparatus for selectively producing a positive multi-color print and negative color separation films or positive and negative color separation films using a multi-color thermal transfer ink ribbon. 4,845,549, 7-4-89, Cl. 358-75.000.

Someya, Akihiko, to Kabushiki Kaisha Toshiba. Image reading apparatus. 4,849,793, 7-18-89, Cl. 355-75.000.

Someya, Akihiko: *See—*
Abuyama, Yasuo; and Someya, Akihiko, 4,831,462, Cl. 358-298.000.
Yamanishi, Eiichi; Abuyama, Yasuo; and Someya, Akihiko, 4,875,092, Cl. 358-75.000.

Someya, Atsushi: *See—*
Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.
Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.
Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.

Someya, Ikeo: *See—*
Ichikawa, Norihito; Someya, Ikeo; Oda, Osamu; and Amano, Toshio, 4,841,367, Cl. 358-181.000.

Someya, Ikuo: *See—*
Ichikawa, Norihito; Oda, Osamu; Amano, Toshio; and Someya, Ikuo, 4,821,102, Cl. 358-183.000.

Someya, Kazuo: *See—*
Tomomura, Masaomi; Nogita, Shunsuke; and Someya, Kazuo, 4,816,237, Cl. 423-210.000.

Someya, Ryoichi; and Ikegami, Masakazu, to Mabuchi Motor Co. Ltd. Motor end bearings accommodating increased shaft lengths. 4,795,926, 1-3-89, Cl. 310-90.000.

Someya, Ryoichi: *See—*
Suzuki, Satoshi; and Someya, Ryoichi, 4,798,984, Cl. 310-68.00C.

Someya, Shinzo; Akahira, Rokuro; Horino, Hiroshi; Ohnaka, Michihiro; and Kiuchi, Takashi, to Agro-Kanesho Co., Ltd. Novel chloroacetanilide derivatives and herbicides containing the same for use in paddy field. 4,798,618, 1-17-89, Cl. 71-92.000.

Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, to Toyo Soda Manufacturi[illegible]., Ltd.; and Agro-Kanesho Co., Ltd. Certain-2-pyridyloxy[illegible]oxy-propionic acid-s-thiazolin-2-yl and benzothiazol-2-yl est[illegible] derivatives. 4,841,035, 6-20-89, Cl. 546-270.000.

Somfai, Eva: *See—*
Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.

Somfy: *See—*
Jacquel, Dominique, 4,881,219, Cl. 364-400.000.
Plumer, Louis, 4,872,256, Cl. 29-598.000.
Rousselot, Andre J.; and Charnay, Georges, 4,819,743, Cl 74-89.150.
Rousselot, Andre J., 4,821,592, Cl. 74-424.8NA.
Rousselot, Andre J., 4,825,593, Cl. 49-199.000.

Sommargren, Gary E., to Zygo Corporation. Angular displacement measuring interferometer. 4,807,997, 2-28-89, Cl. 356-349.000.

Sommargren, Gary E., to Zygo Corporation. Linear and angular displacement measuring interferometer. 4,859,066, 8-22-89, Cl. 356-349.000.

Sommargren, Gary E., to Zygo, Corporation. Linear and angular displacement measuring interferometer. 4,881,815, 11-21-89, Cl. 356-349.000.

Sommargren, Gary E.: *See—*
Young, Peter S.; and Sommargren, Gary E., 4,802,764, Cl. 356-349.000.
Young, Peter S.; and Sommargren, Gary E., 4,802,765, Cl. 356-349.000.

Sommen, Petrus C. W.; Claasen, Theodoor A. C. M.; Van Gerwen, Petrus J.; and Kotmans, Hendrik J., to U.S. Philips Corporation. Frequency-domain block-adaptive digital filter. 4,807,173, 2-21-89, Cl. 364-724.180.

Sommer, Arnold; and Lienbacher, Richard, to Gleitbau Gesellschaft Mit Beschrankter Haftung. Sliding shuttering device. 4,804,320, 2-14-89, Cl. 425-65.000.

Sommer, Arnold; Lienbacher, Richard; and Herzog, Guido, to Gleitbau-Gesellschaft m.b.H. Sliding shuttering system. 4,824,350, 4-25-89, Cl. 425-63.000.

Sommer, August; and Schlueter, Dietrich, to Huls Aktiengesellschaft. Method of manufacturing a catalyst for hydration of olefins to alcohols. 4,808,559, 2-28-89, Cl. 502-63.000.

Sommer Company: *See—*
Sommer, Gordon M., 4,865,172, Cl. 192-0.02R.

Sommer, Eberhard: *See—*
Eckel, Hans-Gerd; Grassmuck, Volker; Jorg, Benno; Kurr, Klaus; and Sommer, Eberhard, 4,850,244, Cl. 74-574.000.
Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,852,424, Cl. 74-574.000.
Grassmuck, Volker; Jorg, Benno; and Sommer, Eberhard, 4,854,751, Cl. 384-537.000.

Sommer, Gerd R., to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Method for production of envolute gear tooth flanks. 4,811,528, 3-14-89, Cl. 51-287.000.

Sommer, Gerd R., to Werkzeugmaschinenfabrik Oerlikon-Buhrle AG. Apparatus for production of involute gear tooth flanks. 4,815,239, 3-28-89, Cl. 51-165.710.

Sommer, Gordon M., to Sommer Company. Combination brake and inching device. 4,865,172, 9-12-89, Cl. 192-0.02R.

Sommer, Gunther: *See—*
Hafla, Dietmar F.; and Sommer, Gunther, 4,847,960, Cl. 29-40.000.

Sommer, Hans D., to Steyr-Daimler-Puch AG. Motor vehicle having at least two driven axles. 4,809,808, 3-7-89, Cl. 180-197.000.

Sommer, Hans D., to Steyr-Daimler-Puch Aktiengesellschaft. Four-wheel drive motor vehicle. 4,830,136, 5-16-89, Cl. 180-233.000.

Sommer, Hans D., to Steyr-Daimler-Puch AG. Motor vehicle. 4,856,630, 8-15-89, Cl. 192-13.00R.

Sommer, Hans D., to Steyr-Daimler-Puch AG. Drive system for a motor vehicle comprising means for permanently driving a first pair of wheels and automatically operable means for selectively driving a second pair of wheels. 4,872,525, 10-10-89, Cl. 180-197.000.

Sommer, Helmut: *See—*
Burger, Wolfgang; Wloka, Gert; and Sommer, Helmut, 4,813,699, Cl. 280-610.000.

Sommer, Herbert; and Ruckert, Hans, to Jagenberg Aktiengesellschaft. Apparatus for continuously applying a uniform coating to a material web. 4,887,547, 12-19-89, Cl. 118-410.000.

Sommer, Herbert: *See—*
Maurer, Fritz; Sommer, Herbert; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,882,321, Cl. 514-86.000.

Sommer, Jean: *See—*
Delavarenne, Serge; Fauconet, Michel; Simon, Michel; and Sommer, Jean, 4,840,750, Cl. 260-544.00A.

Sommer, Jurgen: *See—*
Bergman, Ulf; Sommer, Jurgen; and Borggren, Arne, 4,879,736, Cl. 378-181.000.
Gerresheim, Manfred; Sommer, Jurgen; Poque, Dionysius J.; and Vogler, Hans-Jurgen, 4,815,512, Cl. 152-209.00R.

Sommer, Karl; Fath, Rolf; Peschke, Walter; and Bohnaus, Ulrich, to Ernst Leitz Wetzlar GmbH. Process for dry dispersal of particles, and a device for carrying out this process. 4,868,128, 9-19-89, Cl. 436-174.000.

Sommer, Michael B.: *See—*
Bogeso, Klaus P.; and Sommer, Michael B., 4,873,344, Cl. 541-77.000.

Sommer, Oswin: *See—*
Bosch, Erhard; Neuhauser, Franz; Schiller, August; and Sommer, Oswin, 4,801,673, Cl. 528-34.000.

Sommer, Peter: *See—*
Schwing, Ewald; Sommer, Peter; and Uhrner, Horst, 4,869,756, Cl. 148-16.500.

Sommer, Richard A.; Havas, George; Tama, Mario; and Allen, Clayton H., to Ajax Magnethermic Corporation. Apparatus for alloying of coatings. 4,807,559, 2-28-89, Cl. 118-63.000.

Sommer, Roland. Method for measuring the direction and force of gaseous or liquid flows and probe for carrying out this method. 4,843,880, 7-4-89, Cl. 73-189.000.

Sommer, Ronald G.: *See—*
Johnson, Richard D.; Runzheimer, H. Volker; Sommer, Ronald G.; and Yip, Kin F., 4,822,747, Cl. 436-532.000.

Sommer, Rudiger, to Pluco Spielwaren GmbH. Joint for toy figures, especially stuffed bears. 4,824,410, 4-25-89, Cl. 446-371.000.

Sommer, Tracy W.; Hill, Charles D.; Muka, Dean P.; and Beecham, Ryland S., to Amoco Corporation. System for loading bulk containers with fluent material from overhead storage bin. 4,819,700, 4-11-89, Cl. 141-1.000.

Sommer, Werner: *See—*
Doslik, Peter; and Sommer, Werner, 4,848,190, Cl. 76-4.000.

Sommerfeld, Claus-Dieter: *See—*
Haas, Peter; Sommerfeld, Claus-Dieter; and Weber, Hans-Ulrich, 4,874,797, Cl. 521-167.000.
Schmidt, Manfred. Sommerfeld, Claus-Dieter; Prolingheuer, Christoph; and Klan, Walter, 4,857,560, Cl. 521-103.000.

Sommerfield, John R., to Peco Controls Corporation. Filler line monitoring system with autosynchronization. 4,878,333, 11-7-89, Cl. 53-53.000.

Sommerio, James: *See—*
Preslicka, Alan J.; Martinez, Guillermo, Jr.; and Sommerio, James, 4,822,072, Cl. 280-668.000.

Sommermeyer, Klaus; and Weidler, Burghard, to (501) Fresenius AG. Method of treatment of cerebral disturbances with oligopeptides containing tryptophan. 4,849,408, 7-18-89, Cl. 514-18.000.

Sommers, Clayton L. Portable underlying mattress stiffener. 4,815,155, 3-28-89, Cl. 5-446.000.

Sommers, Kenneth C.; Wesson, David S.; and George, Kevin R., to Halliburton Services. Method and apparatus for retaining shaped charges. 4,889,183, 12-26-89, Cl. 166-55.000.

Sommers, Steven F.: *See—*
Dombrowski, Anthony E., 4,797,673, Cl. 340-904.000.
Dombrowski, Anthony E., 4,803,488, Cl. 340-904.000.

Sommers, Valerie D., to National Child Safety Council. Puppet mouth construction. 4,871,341, 10-3-89, Cl. 446-329.000.

Sommers, William R. Animal shelter. 4,827,872, 5-9-89, Cl. 119-19.000.

Sommerville Packaging Corporation: *See—*
DePaul, Richard E., 4,826,074, Cl. 229-132.000.

Sommet, Pierre, to Societe Francaise de Munitions. Penetrating projectile with hard core and ductile guide and method of making it. 4,878,434, 11-7-89, Cl. 102-514.000.

Somogyi, Gyorgy: *See—*
- Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.

Somor, Andrew T. Method and apparatus for dealing with intravenous fluids. 4,838,875, 6-13-89, Cl. 604-262.000.

Son-Kung, Tsai. Method of producing fiber reinforced plastic billiard cue. 4,816,203, 3-28-89, Cl. 264-516.000.

Son, Masayoshi, to Datanet Corp. Automatic dialer. 4,873,720, 10-10-89, Cl. 379-356.000.

Son, Pyong-Nae; Jacobs, Charles P.; Kovach, Ronald M.; and Lai, John T., to B. F. Goodrich Company, The. Process for desensitizing a 1-(alkylamino)alkyl-polysubstituted piperazinone during recovery. 4,841,053, 6-20-89, Cl. 544-384.000.

Son, Pyong-Nae: *See—*
- Kletecka, George; Lai, John T.; and Son, Pyong-Nae, 4,797,438, Cl. 524-100.000.

Sonda S.r.l.: *See—*
- Zarotti, Claudio, 4,853,980, Cl. 2-413.000.

Sondahl, Maro R.; Evans, David A.; and Prioli, Laudenir, to DNA Plant Technology Corporation. Controlled regeneration of zea diploperennis hybrids and breeding strategies therewith. 4,810,649, 3-7-89, Cl. 435-240.490.

Sondal, Sven, to Duma AB. Closure for containers. 4,860,907, 8-29-89, Cl. 215-230.000.

Sonder, Gerhard: *See—*
- Knapp, Malcolm H.; and Sonder, Gerhard, 4,796,721, Cl. 180-294.000.

Sonderby, Svend A., to V. Kann Rasmussen Industri A/s. Roller blind for skylights. 4,883,109, 11-28-89, Cl. 160-32.000.

Sonderegger, Hans-Conrad: *See—*
- Calderara, Reto; Sonderegger, Hans-Conrad; and Wolfer, Peter, 4,802,371, Cl. 73-862.040.

Sondergeld, Carl H.: *See—*
- Gutowski, Paul R.; Smith, Martin L., Jr. ; and Sondergeld, Carl H., 4,819,214, Cl. 367-27.000.

Sondergeld, Horst. Seat for an office chair or the like, with seat and back adjustable, especially by body weight displacement. 4,861,106, 8-29-89, Cl. 297-316.000.

Sondermeyer, Jack C.: *See—*
- Brown, James W., Sr.; and Sondermeyer, Jack C., 4,811,401, Cl. 381-61.000.
- Brown, James W., Sr.; and Sondermeyer, Jack C., 4,890,331, Cl. 381-120.000.

Sondhi, Man M.: *See—*
- Elko, Gary W.; Sondhi, Man M.; and West, James E., 4,802,227, Cl. 381-92.000.

Sone, Haruo; Umezawa, Isao; and Yoneyama, Osamu, to Sony Corporation. Semiconductor laser chip. 4,847,846, 7-11-89, Cl. 372-50.000.

Sone, Haruo: *See—*
- Umezawa, Isao; Sone, Haruo; and Kusuda, Tadahiro, 4,837,429, Cl. 250-211.00J.

Sone, Hideharu: *See—*
- Kayane, Yutaka; Omura. Takashi; Tezuka, Yasuo; and Sone, Hideharu, 4,841,027, Cl. 534-599.000.

Sone, Junji: *See—*
- Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.

Sone, Kazuya, to NEC Corporation. Sample-and-hold circuit. 4,806,790, 2-21-89, Cl. 307-353.000.

Sone, Masakazu, to Sony Corporation. Printer having arrangement for facilitating paper changing. 4,848,945, 7-18-89, Cl. 400-649.000.

Sone, Mikihiko: *See—*
- Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,853,793, Cl. 358-464.000.
- Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,884,148, Cl. 358-464.000.

Sone, Mototaka: *See—*
- Horikoshi, Kuniaki; Kimura, Mikio; Sone, Mototaka; and Yamazaki, Kunikatsu, 4,832,918, Cl. 422-186.180.

Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, to Kabushiki Kaisha Toshiba. Color picture tube with support members for the mask frame. 4,827,180, 5-2-89, Cl. 313-404.000.

Sone, Toshinao: *See—*
- Inoue, Masatsugu; Tokita, Kiyoshi; Sone, Toshinao; Fujiwara, Takeshi; and Nakane, Kazunori, 4,881,004, Cl. 313-408.000.
- Tokita, Kiyoshi; Sone, Toshinao; Urata, Hiroshi; and Nakamura, Michio, 4,866,333, Cl. 313-406.000.

Sone, Yoshinori: *See—*
- Iida, Toshikatsu; Fujiwara, Takayoshi; and Sone, Yoshinori, 4,872,820, Cl. 418-220.000.

Sone, Yuji; Wada, Kayoko; Kurahashi, Hayao; Nakai, Yoichi; Narutani, Tetsu; and Suzuki, Shigeharu, to Kawasaki Steel Corporation. Method for producing colored stainless steel stock. 4,859,287, 8-22-89, Cl. 204-1.00T.

Soneda, Mitsuo, to Sony Corporation. Sense amplifier. 4,802,130, 1-31-89, Cl. 365-205.000.

Soneda, Mitsuo; and Hazama, Yoshikazu, to Sony Corporation. Liquid crystal display apparatus. 4,803,480, 2-7-89, Cl. 340-784.000.

Soneda, Mitsuo, to Sony Corporation. Memory cell circuit. 4,839,863, 6-13-89, Cl. 365-154.000.

Soneda, Mitsuo, to Sony Corporation. Bit line charge sensing apparatus having CMOS threshold voltage compensation. 4,858,195, 8-15-89, Cl. 365-205.000.

Sonehara, Keisuke: *See—*
- Arai, Hisao; Sonehara, Keisuke; Yasumura, Satoshi; and Kobayashi, Junji, 4,854,145, Cl. 70-258.000.

Sonehara, Tomio, to Seiko Epson Corporation. Color display device using light shutter and color filters. 4,870,484, 9-26-89, Cl. 358-59.000.

Sonehara, Tomio: *See—*
- Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junichi; Yajima, Akitaka; and Aruga, huji, 4,850,685, Cl. 350-397.000.

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- Leshner, Michael D., 4,827,887, Cl. 123-493.000.

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- Guo, Yuh-Kuen; and Song, Feng-Mei, 4,834,075, Cl. 128-49.000.

Song, Hubert, to Konishiroku Photo Industry Co., Ltd. Method and apparatus for recording servo synchronization information 4,825,310, 4-25-89, Cl. 360-77.080.

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Soni, Varun: *See—*
- Mark, Irving L.; and Soni, Varun, 4,852,597, Cl. 135-69.000.

Sonin, Inc.: *See—*
- Cohen, Herbert, 4,821,889, Cl. 211-13.000.

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- Maxson, Scott A.; and Sonneborn, John H., 4,808,879, Cl. 313-421.000.

Sonnek, Christopher D.; and Bruno, Kevin J., to NCR Corporation. Communications base microcontroller. 4,866,598, 9-12-89, Cl. 364-200.000.

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- Semerau, Jon M.; and Sonnek, Christopher D., 4,839,890, Cl. 370-84.000.

Sonnemann, Jor: *See—*
- Fisch, Joachim; Kost, Hans-Richard; Riemann, Manfred; Sonnemann, Jor; and Fisch, Gerda, 4,831,268, Cl. 250-432.00R.

Sonnenberg, Hans-Peter: *See—*
- Stab, Rudolf; and Sonnenberg, Hans-Peter, 4,817,932, Cl. 270-47.000.

Sonnenburg, Dennis T.: *See—*
- Pagowski, Stefan J.; Brooks, Ralf M.; and Sonnenburg, Dennis T., 4,815,726, Cl. 271-274.000.

Sonnenfeld, Richard: *See—*
- Hansma, Paul K.; and Sonnenfeld, Richard, 4,800,274, Cl. 250-306.000.

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- Gier, Thurman E.; Shannon, Robert D.; Sonnichsen, George C.; Corbin, David R.; and Keane, Michael, Jr., 4,806,689, Cl. 564-474.000.

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- Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.
- Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.

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- Konno, Yutaka; Mitomi, Mitsuo; Sonobe, Takashi; and Yamaguchi, Shumpei, 4,842,577, Cl. 604-20.000.
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Sonobe, Takeo: *See—*
- Wakabayashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.

Sonobe, Toshio: *See—*
- Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.

Sonobe, Yoshiho: *See—*
- Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.
- Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.
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- Adams, Samuel F.; and Bolz, Hans-Peter, 4,828,200, Cl. 242-118.300.
- Adams, Samuel F.; and Bolz, Hans-Peter, 4,852,823, Cl. 242-125.100.
- Adams, Samuel F.; and Bolz, Hans-Peter, 4,889,294, Cl. 242-118.300.
- Case, Manson D.; Wilfong, Harry B., Jr.; and Hoffmeyer, William C., 4,849,090, Cl. 206-390.000.
- Dancy, Hugh G., 4,872,766, Cl. 383-10.000.
- Fait, Roger J.; and Ellerbrock, Donald H., 4,840,289, Cl. 220-359.000.
- Hart, Philip G.; and Davis, Virgil L., 4,865,533, Cl. 425-527.000.
- Kewin, Daniel D., 4,875,636, Cl. 242-68.600.
- Ross, Glenn D., 4,884,740, Cl. 229-120.260.
- Rowe, E. R., 4,807,754, Cl. 206-390.000.
- Schrader, Stephen A.; and Goff, Douglas J., 4,859,863, Cl. 250-556.000.
- Weil, Geoffrey L., 4,819,899, Cl. 248-97.000.

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- Morimoto, Kiyoshi; Iwamoto, Akikazu; Moriyama, Masuo; and Sonoda, Atsuroh, 4,856,941, Cl. 406-85.000.

Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, to Toyota Jidosha Kabushiki Kaisha; Aisan Industry Co., Ltd.; and Jeco Co.,Ltd. Device for preventing outflow of a fuel vapor from a fuel tank. 4,872,439, 10-10-89, Cl. 123-518.000.

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- Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.

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- Kanai, Takashi; Ochiai, Masami; Oshina, Morio; Sonoda, Mitsuo; and Nozaki, Koji, 4,846,046, Cl. 91-506.000.

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Sonoda, Satoshi, to Kioritz Corporation. Fuel supply system for internal combustion engine. 4,811,718, 3-14-89, Cl. 123-517.000.

Sonoda, Takakuni; Tanabe, Kazunori; Iwase, Morikazu; Sangyoji, Kazuo; and Kato, Tokunori, to Brother Kogyo Kabushiki Kaisha. Color image recording apparatus. 4,884,082, 11-28-89, Cl. 346-105.000.

Sonoda, Takefumi, to Ube Industries, Ltd. Injection molding press. 4,797,245, 1-10-89, Cl. 264-328.400.

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- Kawaguchi, Toshiro; Sonoda, Takefumi; and Hashimoto, Kiyoshi, 4,842,507, Cl. 425-382.400.

Sonoda, Tomiya: *See—*
- Ito, Hisashi; and Sonoda, Tomiya, 4,814,928, Cl. 360-135.000.

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Sonoda, Toshinari: *See—*
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Sonoi, Takehiro; Sagawa, Toshimasa; Yamada, Okimasa; and Mizuno, Tetsuya, to Nippon Mektron Limited. Process for producing hexafluoroacetone or its hydrate. 4,885,398, 12-5-89, Cl. 568-404.000.

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- Yamada, Okimasa; Mizuno, Tetsuya; Sonoi, Takehiro; and Sagawa, Toshimasa, 4,833,212, Cl. 525-359.200.

Sonoike, Yoshiko: *See—*
- Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, 4,859,488, Cl. 426-658.000.

Sonoscan, Inc.: *See—*
- Cichanski, Frank J., 4,866,986, Cl. 73-600.000.

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- Nakamura, Noriaki; Kawaguchi, Masashi; and Sonoyama, Yasuo, 4,855,641, Cl. 313-505.000.

Sonsteby, Kristi L., to Kristicare, Inc. Medical documentation and assessment apparatus. 4,865,549, 9-12-89, Cl. 434-262.000.

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- Kobayashi, Kenzo; and Tachibana, Hideto, 4,846,709, Cl. 439-161.000.

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- Abe, Keiko, 4,850,025, Cl. 382-9.000.
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- Akaba, Yukio; and Sakuramoto, Akihiko, 4,882,554, Cl. 333-105.000.
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- Amano, Yasunobu; and Sudo, Masayuki, 4,857,796, Cl. 313-428.000.
- Ando, Makoto; Kakinuma, Koichiro; Sawa, Masahiko; Ohmuro, Hideaki; and Ohryo, Akira, 4,877,946, Cl. 235-380.000.
- Ando, Naotaka, 4,831,441, Cl. 358-140.000.
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Ishikawa, Reiji; and Kimura, Tomohiro, 4,803,337, Cl. 219-121.850.
Isobe, Akira; and Anzai, Tsutomu, 4,855,611, Cl. 307-125.000.
Ito, Yuji, 4,799,111, Cl. 360-14.300.
Ive, John G. S., 4,855,843, Cl. 360-10.200.
Iwahashi, Yuji, 4,807,826, Cl. 242-71.800.
Iwahashi, Yuuji; and Urayama, Kiyoshi, 4,802,044, Cl. 360-132.000.
Iwase, Seiichiro; and Yamazaki, Takao, 4,862,403, Cl. 364-724.160.
Kakinuma, Koichiro; Ando, Makoto; Sawa, Masahiko; Ohmuro, Hideaki; Ohryo, Akira; and Nakamura, Tadahiko, 4,812,632, Cl. 235-479.000.
Kakiuchi, Tsutomu; Mori, Akinari; and Ogawa, Yoshio, 4,829,571, Cl. 381-25.000.
Kambayashi, Koji; Okamoto, Nobuyuki; and Kawanami, Kenichiro, 4,841,289, Cl. 340-703.000.
Kaminaga, Kouzou, 4,882,732, Cl. 371-2.200.
Kamon, Yoshiyuki; Ogiwara, Akira; and Nageno, Koji, 4,874,316, Cl. 439-39.000.
Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, 4,805,054, Cl. 360-97.010.
Kanaguchi, Masahiro; and Kawamoto, Hideo, 4,887,775, Cl. 242-68.100.
Kaneko, Shinji, 4,802,016, Cl. 358-315.000.
Kaneko, Shinji; Takanashi, Kenji; and Wakisaka, Yoshiaki, 4,802,026, Cl. 360-36.200.
Kaneko, Shinji; and Mitsuoka, Masahide, 4,805,041, Cl. 358-347.000.
Kanota, Keiji; and Seki, Takahito, 4,885,646, Cl. 360-46.000.
Karibe, Haruyuki; Oogi, Takashi; and Igarashi, Tadao, 4,864,448, Cl. 360-132.000.
Katakura, Masayuki, 4,804,904, Cl. 323-312.000.
Katakura, Masayuki, 4,866,775, Cl. 381-3.000.
Kato, Hiroshi; and Saito, Reiko, 4,828,949, Cl. 430-28.000.
Kato, Tetsuro; and Tachi, Katsuichi, 4,839,750, Cl. 360-48.000.
Kato, Yasaburo; Suzuki, Toshihiko; Isawa, Nobuyuki; Kanbe, Hideo; and Hamasaki, Masaharu, 4,836,788, Cl. 437-017.000.
Katoku, Takashi; and Tanaka, Masato, 4,858,848, Cl. 242-198.000.
Katsumata, Azusa; and Satomura, Shigeyuki, 4,876,616, Cl. 360-53.000.
Kawada, Hideaki; and Kawamoto, Hideo, 4,814,923, Cl. 360-132.000.
Kawakami, Hiroshi; and Narita, Takato, 4,805,035, Cl. 358-310.000.
Kihara, Taku, 4,835,594, Cl. 358-51.000.
Kihara, Taku, 4,855,829, Cl. 358-162.000.
Kihara, Taku, 4,876,599, Cl. 358-162.000.
Kimura, Hisashi, 4,831,449, Cl. 358-198.000.
Kimura, Shuichi; and Hanajima, Mitsuru, 4,825,431, Cl. 369-50.000.
Kimura, Shuichi, 4,868,819, Cl. 369-32.000.
Kobayashi, Seiji; and Ohsato, Kiyoshi, 4,796,250, Cl. 369-54.000.
Kobayashi, Seiji; and Nishida, Norio, 4,853,918, Cl. 369-44.000.
Koga, Noriyuki; and Hosoya, Masakatsu, 4,831,660, Cl. 360-90.000.
Kojima, Chiaki; and Shimizu, Hidetoshi, 4,842,968, Cl. 430-1.000.
Kojima, Yuichi; and Kitazato, Naohisa, 4,853,780, Cl. 358-136.000.
Kondo, Tetsujiro, 4,802,005, Cl. 358-135.000.
Kondo, Tetsujiro; and Fujimori, Yashuhiro, 4,845,560, Cl. 358-133.000.
Kondo, Tetsujiro, 4,890,161, Cl. 358-135.000.
Kondo, Tetsuya, 4,874,964, Cl. 307-270.000.
Kondo, Toshiharu, 4,833,527, Cl. 358-32.000.
Kondo, Yoshiyuki; Sahara, Hiroshi; and Hidejima, Yasuhiro, 4,835,604, Cl. 358-86.000.
Konishi, Morikazu; and Takizawa, Masaaki, 4,831,308, Cl. 313-362.100.
Kubota, Makoto; Kumura, Tatsuo; Saito, Junichi; Kobayashi, Tomio; and Sato, Heikichi, 4,819,113, Cl. 360-126.000.
Kudo, Junichiro; and Shimizu, Yoshihiro, 4,879,082, Cl. 264-106.000.
Kume, Hidehiro; Matsumoto, Yoshiyuki; and Yoshitoshi, You 4,873,429, Cl. 250-216.000.
Kuragano, Tetsuzo; and Kikuchi, Atsushi, 4,819,192, Cl. 364-522.000.
Kuragano, Tetsuzo; and Sasaki, Nobuo, 4,866,631, Cl. 364-474.290.
Kusakabe, Susumu, 4,888,643, Cl. 358-183.000.
Leonard, Vurnen; Kato, Arthur K.; Ohmori, Kiyoshi; Fujiwara, Keisuke; and Soda, Yutaka, 4,875,128, Cl. 360-133.000.
Leonard, Vurnen J.; and Kuroda, Masayuki, 4,885,652, Cl. 360-133.000.
Machida, Yukihiko; and Tomitaka, Tadafusa, 4,804,894, Cl. 318-314.000.
Maeda, Satoru; and Yatou, Shigeru, 4,805,119, Cl. 364-518.000.
Maeda, Satoru, 4,812,998, Cl. 364-518.000.

Maehara, Masanori; Kumagai, Takao; Yoshida, Shuji; and Tsuyama, Manabu, 4,870,517, Cl. 360-96.500.
Makita, Toshio; and Tago, Koichi, 4,857,027, Cl. 445-37.000.
Maruyama, Shigehisa, 4,828,360, Cl. 350-255.000.
Matsumoto, Yoshiharu; Kumagai, Atuhiro; and Ota, Shuichi, 4,802,034, Cl. 360-85.000.
Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.
Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500.
Mikami, Tsutomu; and Kojima, Masaaki, 4,800,336, Cl. 324-426.000.
Mitsuhashi, Takamichi; and Tomioka, Masao, 4,812,921, Cl. 358-343.000.
Miyai, Seiichi; and Akamatsu, Junichi, 4,807,220, Cl. 369-286.000.
Mizunuma, Yasuyuki; Nakano, Hiroyuki; and Murakami, Yoshikazu, 4,847,579, Cl. 333-219.200.
Mogi, Takao; and Suematsu, Masayuki, 4,805,085, Cl. 364-132.000.
Mogi, Takao; and Morizono, Masahiko, 4,810,958, Cl. 324-73.00R.
Mogi, Takao; Yuzawa, Keiji; Komiya, Yoshinori; Suematsu, Masayuki; and Tagami, Fujio, 4,843,289, Cl. 318-600.000.
Morgan, Donald E.; and Shields, Michael B., 4,866,719, Cl. 371-40.100.
Moriwaki, Hisayoshi, 4,796,261, Cl. 371-40.000.
Moriwaki, Hisayoshi; and Nakano, Kenji, 4,816,926, Cl. 360-8.000.
Murabayashi, Noboru; and Kanota, Keiji, 4,862,296, Cl. 360-51.000.
Murakami, Yoshihiro, 4,799,113, Cl. 360-32.000.
Murakami, Yoshikazu; Mizunuma, Yasuyuki; Ohgihara, Takahiro; Nakano, Hiroyuki; Niikura, Kanako; and Okamoto, Tsutomu, 4,887,052, Cl. 331-96.000.
Murase, Hirofumi, 4,864,431, Cl. 360-15.000.
Nagaura, Toru; Yokokawa, Masaaki; and Hashimoto, Toshio, 4,828,834, Cl. 429-194.000.
Nakagami, Taro; Fukami, Takeshi; and Terauchi, Toshiro, 4,87[illegible],719, Cl. 381-1.000.
Nakamura, Satoshi; and Kondo, Toshiharu, 4,827,331, Cl. 358-29.000.
Nakano, Kenji, 4,841,385, Cl. 360-65.000.
Nakata, Tetsuro; Sato, Ichitaro; and Eto, Tooru, 4,885,639, Cl. 358-167.000.
Nemoto, Shoji; and Murabayashi, Noboru, 4,814,900, Cl. 360-10.200.
Nemoto, Shoji; and Machida, Yukihiko, 4,823,206, Cl. 360-19.100.
Nemoto, Shoji, 4,853,809, Cl. 360-10.300.
Nemoto, Tsuneo; and Kaneko, Mika, 4,812,937, Cl. 360-133.000.
Nikura, Hideo, 4,803,388, Cl. 310-12.000.
Nikura, Hideo, 4,883,994, Cl. 310-12.000.
Nishiguchi, Masayuki; and Akagiri, Kenzo, 4,797,902, Cl. 375-27.000.
Nishiguchi, Masayuki, 4,829,522, Cl. 371-31.000.
Nishikata, Yutaka, 4,805,042, Cl. 360-14.300.
Nishimura, Toshimichi; and Kikuchi, Atsushi, 4,803,650, Cl. 364-825.000.
Nishio, Naoki, 4,862,270, Cl. 358-160.000.
Noguchi, Tsutomu; Nito, Keiichi; and Seto, Junetsu, 4,865,945, Cl. 430-192.000.
Nonaka, Wataru; and Hirata, Eiichi, 4,837,647, Cl. 360-92.000.
Nonoyama, Hideki, 4,814,917, Cl. 360-107.000.
Numakura, Toshihiko; and Kanbara, Masahiro, 4,851,928, Cl. 358-330.000.
Obana, Bunichi; and Kanazawa, Kenichi, 4,882,768, Cl. 455-207.000.
Oda, Omasu; and Amano, Toshio, 4,888,819, Cl. 358-192.100.
Odaka, Kentaro; Fukami, Tadashi; and Ozaki, Shinya, 4,875,111, Cl. 360-64.000.
Oguro, Masaki, 4,802,038, Cl. 360-22.000.
Ohba, Akio, 4,885,702, Cl. 364-521.000.
Ohgihara, Takahiro; Murakami, Yoshikazu; Mizunuma, Yasuyuki; and Nakano, Hiroyuki, 4,873,496, Cl. 331-96.000.
Ohki, Hiroshi, 4,881,217, Cl. 369-132.000.
Ohkoshi, Akio; Nakagawa, Hideaki; Tsuruta, Koji; Sugii, Yasuyoshi; and Wada, Haruaki, 4,857,800, Cl. 313-495.000.
Ohkubo, Yasunori; Suzuki, Toshihiko; and Izawa, Nobuyuki, 4,849,065, Cl. 156-617.100.
Ohno, Katsutoshi; Abe, Tomohiko; and Kimizuka, Yuichi, 4,801,398, Cl. 252-301.40R.
Ohshima, Eiji; Kumagai, Takao; and Baba, Hiromitsu, 4,796,115, Cl. 360-85.000.
Ohta, Teruo, 4,888,761, Cl. 369-291.000.
Ohta, Yoshiyuki; and Kihara, Taku, 4,875,044, Cl. 341-87.000.
Ohtani, Yuzo; and Ueda, Sachio, 4,805,060, Cl. 360-132.000.
Ohtsuka, Takashi, 4,802,035, Cl. 360-92.000.
Ohtsuki, Tadashi; Henmi, Fumiaki; and Kobayashi, Yuhei, 4,845,696, Cl. 369-13.000.
Ohyama, Masao, 4,799,117, Cl. 360-96.500.
Ohyama, Masao; Yamamoto, Yoshinori; Horikawa, Kenichi; and Kawakami, Kenji, 4,816,953, Cl. 360-132.000.
Okada, Tsunekazu; and Yamaguchi, Nozomu, 4,843,610, Cl. 372-31.000.
Okazaki, Nobumichi, 4,827,454, Cl. 365-233.500.
Ono, Junji, 4,817,077, Cl. 369-54.000.
Oogi, Takashi, 4,824,044, Cl. 242-198.000.
Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, 4,804,574, Cl. 428-209.000.
Ozaki, Shinya; Fukami, Tadashi; and Odaka, Kentaro, 4,837,640, Cl. 360-27.000.
Ozaki, Shinya, 4,852,099, Cl. 371-37.000.
Richards, John W.; and David, Morgan W. A., 4,802,110, Cl. 364-724.050.
Sahara, Hiroshi; and Watanabe, Yoshimi, 4,805,014, Cl. 358-86.000.
Saito, Etsuro, 4,819,099, Cl. 360-84.000.
Saito, Etsuro, 4,851,940, Cl. 360-84.000.
Saito, Isao, 4,825,311, Cl. 360-77.160.
Saito, Tsunenari; Ota, Kazuyuki; Suzuki, Teruyasu; Honda, Keiji; and Yamakami, Takahiko, 4,825,535, Cl. 29-613.000.
Sakaguchi, Kiyonori; Takaiwa, Makio; and Suzuki, Akira, 4,847,826, Cl. 369-270.000.
Sakamoto, Hitoshi, 4,835,620, Cl. 358-327.000.
Sakamoto, Tatsurou; Ito, Masayoshi; and Yamano, Yoshinori, 4,883,439, Cl. 445-66.000.
Sako, Yoichiro; Yamamura, Shinichi; and Yamagami, Tamotsu, 4,819,236, Cl. 371-38.000.
Sako, Yoichiro; Yamagami, Tamotsu; and Yamamura, Shinichi, 4,829,497, Cl. 369-50.000.
Sako, Yoichiro; and Yamamura, Shinichi, 4,881,232, Cl. 371-37.400.
Sakura, Yasuo; Hara, Masao; Nakata, Tetsuro; and Fujii, Noboru, 4,796,096, Cl. 358-310.000.
Sakurai, Yoshimichi, 4,865,491, Cl. 406-87.000.
Saotome, Toshio; Noguchi, Yoshiyuki; Nishikawa, Mitsuo; and Yamazaki, Shigeki, 4,851,731, Cl. 310-258.000.
Sasaki, Kazuji, 4,800,578, Cl. 375-116.000.
Sasaki, Nobuo; Kuragano, Tetsuzo; and Minami, Nobuyuki, 4,860,217, Cl. 364-518.000.
Sasaki, Takayuki; Ueno, Katsuhiko; Ichimura, Eiichi; and Kodama, Yasumasa, 4,816,928, Cl. 360-35.100.
Sase, Masatoshi, 4,805,011, Cl. 358-44.000.
Sashou, Hidehiko; and Kizu, Soujiro, 4,858,027, Cl. 358-311.000.
Sato, Ichitaro, 4,839,615, Cl. 332-18.000.
Sato, Ryosuke, 4,801,168, Cl. 294-87.100.
Senba, Tetsuo, 4,885,642, Cl. 358-310.000.
Shibuya, Kiminobu; and Takayanagi, Kenichiro, 4,854,905, Cl. 445-30.000.
Shields, Michael B.; and Guisinger, Barrett E., 4,816,723, Cl. 318-318.000.
Shimada, Keiichiro; Takada, Shinji; Ishihara, Mitsugu; and Machida, Yukihiko, 4,821,032, Cl. 340-825.210.
Shimada, Keiichiro; Wakahara, Tatsuya; and Shibuya, Noboru, 4,866,542, Cl. 360-10.300.
Shimizume, Kazutoshi; and Kimura, Mutsumi, 4,821,293, Cl. 375-81.000.
Shimo, Norio; and Numata, Norio, 4,819,272, Cl. 455-127.000.
Shirai, Toshio; Ando, Makoto; Unno, Keisuke; and Kobayashi, Toshiharu, 4,819,102, Cl. 360-17.000.
Shoji, Norio, 4,843,303, Cl. 323-313.000.
Sone, Haruo; Umezawa, Isao; and Yoneyama, Osamu, 4,847,846, Cl. 372-50.000.
Sone, Masakazu, 4,848,945, Cl. 400-649.000.
Soneda, Mitsuo, 4,802,130, Cl. 365-205.000.
Soneda, Mitsuo; and Hazama, Yoshikazu, 4,803,480, Cl. 340-784.000.
Soneda, Mitsuo, 4,839,863, Cl. 365-154.000.
Soneda, Mitsuo, 4,858,195, Cl. 365-205.000.
Sonoda, Yutaka; Yuchi, Hirofumi; Murakami, Kyoichi; and Tokuhara, Masaharu, 4,862,269, Cl. 358-160.000.
Strashun, Leonid, 4,812,125, Cl. 434-224.000.
Suehiro, Tsutomu; Uchiyama, Hitoshi; Inukai, Takahito; and Saito, Tsunenari, 4,858,016, Cl. 358-246.000.
Suga, Ryoichi; Nakagawa, Yutaka, and Watanabe, Yoshimi, 4,800,376, Cl. 340-721.000.
Sugiki, Hiraku; Ino, Hiroyuki; and Fukami, Tadashi, 4,885,647, Cl. 360-73.120.
Sugita, Takatoshi; and Furukawa, Shunsuke, 4,796,223, Cl. 364-900.000.
Suwa, Hisashi; Sato, Seiji; Matsubara, Susumu; Yano, Eiji; and Koizumi, Katsuyuki, 4,853,804, Cl. 360-85.000.
Suzuki, Kiyosuke, 4,802,105, Cl. 364-519.000.
Suzuki, Masakazu; Suematsu, Masayuki; and Komiya, Yoshinori, 4,858,006, Cl. 358-139.000.
Suzuki, Masayuki, 4,876,619, Cl. 360-97.010.
Suzuki, Tadao; Van Luyt, Balthasar A. G.; and Van Den Hoven, Lambertus M. C., 4,802,169, Cl. 371-38.000.
Tagawa, Koichi; Matsuzaki, Atsushi; Toyoshima, Masakatsu; and Kondo, Yoshiyuki, 4,866,515, Cl. 358-86.000.
Takahashi, Kenji, 4,799,121, Cl. 360-133.000.
Takahashi, Kenji, 4,807,079, Cl. 360-133.000.
Takahashi, Kenji, 4,829,510, Cl. 369-290.000.
Takahashi, Kenji; and Nemoto, Tsuneo, 4,860,127, Cl. 360-60.000.
Takahashi, Kenji, 4,867,302, Cl. 206-45.130.
Takahashi, Kiyoshi; and Noda, Masayuki, 4,875,120, Cl. 360-106.000.
Takahasi, Kenji, 4,797,770, Cl. 369-291.000.
Takashima, Shizuo; and Segawa, Yoshio, 4,827,363, Cl. 360-967.000.
Takeuchi, Giichi; Sato, Masanobu; and Miyairi, Hidesuke, 4,805,058, Cl. 360-119.000.
Takeuchi, Hajime; and Tachi, Katsuichi, 4,819,087, Cl. 360-14.300.

- Takeuchi, Hiroshi; Kohga, Daiju; and Yukita, Yasuo, 4,856,919, Cl. 400-18.000.
- Takeuchi, Kenichi, 4,804,845, Cl. 250-367.000
- Takeuchi, Kenichi; Saito, Shin; Araki, Shoji; and Nakayama, Atsushi, 4,881,253, Cl. 379-54.000.
- Tamaru, Hideshi, 4,888,479, Cl. 250-221.000.
- Tamura, Takahiko; and Suzuki, Hiroyuki, 4,805,883, Cl. 331-111.000.
- Tanaka, Masato; and Kan, Toshiya, 4,874,[illegible]3, Cl. 318-254.000.
- Tanaka, Satoru; Takada, Seizou; and Matsuura, Tamiaki, 4,818,381, Cl. 209-573.000.
- Tanaka, Yutaka; and Matsunaga, Osamu, 4,839,727, Cl. 358-167.000.
- Tatami, Mitsushige, 4,864,387, Cl. 358-19.000.
- Tateno, Shigeru; and Ozawa, Kazuo; 4,846,419, Cl. 242-71.800.
- Tatsuki, Kouichi; Murano, Kanji; and Nishigaki, Susumu, 4,849,384, Cl. 501-134.000.
- Tatsuzawa, Kaichi; Abe, Takao; and Ogawa, Tetsuo, 4,802,032, Cl. 360-77.130.
- Toi, Hiroshi; Fujita, Shinichi; and Uragaki, Makoto, 4,815,056, Cl. 369-36.000.
- Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; [illegible], Toru; and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.
- Trueblood, John W.; and Mizuno, Masami, 4,808,984, Cl. 340-723.000.
- Tsubota, Tetsuro; and Kubota, Yukio, 4,849,839, Cl. 360-84.000.
- Tsurumoto, Takashi; and Nagai, Kunio, 4,817,203, Cl. 455-603.000.
- Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,810,484, Cl. 423-598.000.
- Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,889,706, Cl. 423-593.000.
- Uehira, Tetsuo; and Kimura, Akira, 4,829,748, Cl. 53-525.000.
- Umezawa, Isao; Sone, Haruo; and Kusuda, Tadahiro, 4,837,429, Cl. 250-211.00J.
- Umezu, Nubuhiko, 4,889,415, Cl. 350-358.000.
- Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, 4,876,703, Cl. 377-62.000.
- Usui, Motosuke, 4,844,231, Cl. 198-345.000.
- Wachi, Shigeaki; Ito, Akashi; and Yoshii, Fumihiko, 4,820,940, Cl. 307-270.000.
- Watanabe, Junzo; and Kawaberi, Seiji, 4,868,464, Cl. 315-371.000.
- Watanabe, Kazuo; Kohri, Shumpei; and Araki, Shigeo, 4,802,128, Cl. 365-203.000.
- Watanabe, Kazuo; and Yano, Masatoshi, 4,845,672, Cl. 365-190.000.
- Watanabe, Kazuo; and Yumoto, Akira, 4,881,203, Cl. 365-203.000.
- Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, 4,881,067, Cl. 340-750.000.
- Watanabe, Toshihiro; and Fujiwara, Shiro, 4,854,517, Cl. 242-56.00R.
- Wilkinson, James H.; and Avis, Richard J. A., 4,803,567, Cl. 360-33.100.
- Wilkinson, James H.; and Ive, John G. S., 4,819,089, Cl. 360-22.000.
- Wilkinson, James H.; and Lince, Robin L., 4,835,626, Cl. 360-14.300.
- Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
- Yamada, Makoto; and Odaka, Kentaro, 4,853,797, Cl. 360-32.000.
- Yamagami, Tamotsu; and Sako, Yoichiro, 4,800,549, Cl. 369-56.000.
- Yamamori, Eiji, 4,837,784, Cl. 369-289.000.
- Yamamori, Eiji, 4,881,218, Cl. 369-289.000.
- Yamamoto, Isamu; and Asaida, Takashi, 4,816,917, Cl. 358-213.160.
- Yamamoto, Isamu, 4,821,100, Cl. 358-170.000.
- Yamamoto, Isamu; and Asaida, Takashi, 4,875,098, Cl. 358-213.160.
- Yamamoto, Tadashi, 4,852,150, Cl. 379-79.000.
- Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,812,773, Cl. 328-167.000.
- Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,841,461, Cl. 364-572.000.
- Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, 4,859,881, Cl. 307-520.000.
- Yamanaka, Masaaki; and Abe, Fumiyoshi, 4,805,053, Cl. 360-72.300.
- Yamanouchi, Hiroshi, 4,853,813, Cl. 360-104.000.
- Yamanouchi, Kiyoshi; and Iwase, Sumio, 4,873,713, Cl. 379-67.000.
- Yonemoto, Kazuya; Kagawa, Yoshiaki; Ishikawa, Kikue; Suzuki, Tomoyuki; and Hamasaki, Masaharu, 4,875,100, Cl. 358-213.190.
- Yoshihiro, Mitsugu, 4,868,923, Cl. 360-71.000.
- Yoshii, Yoji, 4,804,941, Cl. 341-140.000.
- Yoshinaka, Tadaaki, 4,811,123, Cl. 360-26.000.
- Yoshioka, Hiroshi, 4,827,361, Cl. 360-64.000.
- Yoshitoshi, You; Matsumoto, Yoshiyuki; and Kume, Hidehiro, 4,823,331, Cl. 369-45.000.
- Yui, Yasuji, 4,885,601, Cl. 355-27.000.

Sony Magnescale, Inc.: *See—*
- Nagaoka, Kazuo; Wakabayashi, Sadao; Kanasugi, Toshihiko; and Hatano, Tadao, 4,843,729, Cl. 33-708.000.
- Nagaoka, Kazuo; Takao, Yoshiki; and Yamamoto, Masato, 4,868,688, Cl. 360-16.000.

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- Konishi, Tomoo, 4,816,897, Cl. 358-10.000.
- Tamamura, Hisashi, 4,818,934, Cl. 324-158.00T.

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- McDonald, Alexander C.; and Soos, James L., 4,828,713, Cl. 210-697.000.

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- Lorenzo, Joseph P.; and Soref, Richard A., 4,877,299, Cl. 350-96.140.
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- O'Connor, Mary E.; Cloutier, Michael J.; Strattan, Robert D.; and Sorem, James R., Jr., 4,829,679, Cl. 34-12.000.
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- Robert, Henri F. A., 4,860,837, Cl. 175-113.000.

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- Millar, Thomas H.; and Sorensen, Birk C., 4,845,808, Cl. 16-114.00R.

Sorensen, Borge: *See—*
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Sorensen, David A.: *See—*
- DeMarseilles, Paul H.; Glenn, Robert D.; and Sorensen, David A., 4,869,083, Cl. 70-224.000.

Sorensen, Erling: *See—*
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Sorensen, Jens O., to Acebo Company. Injection molding of thin-walled plastic products. 4,807,775, 2-28-89, Cl. 220-72.000.

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Sorensen, Jens O., to Primtec. Reduction of required mold-cavity clamping force and control of injection-molded product wall thickness. 4,867,672, 9-19-89, Cl. 425-577.000.

Sorensen, Kai, to Eskofot A/S. Area exposure machine. 4,853,749, 8-1-89, Cl. 355-71.000.

Sorensen, Michael N.: *See—*
- Jensen, Niels J.; Sorensen, Michael N.; and Halden, Steen, 4,825,711, Cl. 73-865.800.

Sorensen, Peter, III, to Varo, Inc. Wide field of view radiant energy receiver. 4,835,381, 5-30-89, Cl. 250-227.000.

Sorensen, Robert. Expansion sleeve for a gas or charcoal barbecue. 4,869,228, 9-26-89, Cl. 126-25.00R.

Sorensen, Robert C., to RCS Industries, Inc. Lamp with removable bulb capsule. 4,816,977, 3-28-89, Cl. 362-448.000.

Sorensen, Scott; and Robidart, Michael S., to MiniScribe Corporation. Transducer support assembly having laterally offset flexures. 4,807,054, 2-21-89, Cl. 360-104.000.

Sorensen, Stephen M., to Merrell Dow Pharmaceuticals Inc. Treatment of fibromyalgia. 4,877,798, 10-31-89, Cl. 514-317.000.

Sorensen, Stephen M.: *See—*
- Carr, Albert A.; Nieduzak, Thaddeus R.; Miller, Francis P.; and Sorensen, Stephen M., 4,870,083, Cl. 514-317.000.

Sorensen, Terry J.; and Wyss, Bill W., to Avery International Corporation. Patterned adhesive label structures. 4,889,234, 12-26-89, Cl. 20[illegible]-459.000.

Sorensen, Trondur F. Long line for use in long-line fishing. 4,829,696, 5-16-89, Cl. 43-6.500.

Sorenson, Carl C.; and Clausen, Scott W., to SCCS, Incorporated. Nestable disposable drinking receptacles. 4,811,860, 3-14-89, Cl. 220-380.000.

Sorenson Development Incorporated: *See—*
- Reynolds, Valdon G.; Wood, Steven M.; and Sorenson, Joseph T., 4,865,480, Cl. 401-175.000.

Sorenson, James A.: *See—*
- Kruger, Robert A.; and Sorenson, James A., 4,814,597, Cl. 250-205.000.

Sorenson, Joseph T.: *See—*
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Sorenson, Randall D., to SoCo Manufacturing. Clamping attachment for backhoe. 4,803,788, 2-14-89, Cl. 37-117.500.

Sorenson, Richard W.; Ives, Milton N.; and Sapone, Frank P., to Carlingswitch, Inc. Momentary rotary switch. 4,803,314, 2-7-89, Cl. 200-11.00J.

Sorenson, Richard W., to Carlingswitch, Inc. Miniature illuminated rocker switch. 4,853,505, 8-1-89, Cl. 200-315.000.

Sorenson, Roderick J.: *See—*
- Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
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- Cetenko, Wiaczeslaw A.; Connor, David T.; Mullican, Michael D.; and Sorenson, Roderick J., 4,824,958, Cl. 548-251.000.

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- Winston, Anthony; Marder, Herman; and Sorenson, Wayne, 4,812,308, Cl. 424-52.000.

Sorenson, Wayne P., to James River-Norwalk, Inc. Method and apparatus for forming reinforced dry laid fibrous webs. 4,806,190, 2-21-89, Cl. 156-161.000.

Sorenson, Wendy K. J.; Jackson, Judith N.; Jackson, Kevin J.; and Jackson, Cheryl. Variable sized reusable diaper. 4,801,298, 1-31-89, Cl. 604-384.000.

Sorg GmbH & Co. KG: *See—*
- Krejci, Heinrich; and Kessel, Rudi, 4,872,897, Cl. 65-128.000.
- Pieper, Helmut, 4,852,118, Cl. 373-32.000.
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Sorg, James F.; and Sorg, Leo L., to J & L Sorg Enterprises, Inc. Energy conservator. 4,811,625, 3-14-89, Cl. 74-572.000.

Sorg, Leo L.: *See—*
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Sorgi, Dennis M.; and Fleming, John T., to Hunt Holdings, Inc. Monitor arm apparatus. 4,844,387, 7-4-89, Cl. 248-1.00F.

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- Maryanoff, Bruce E.; Maryanoff, Cynthia A.; McComsey, David F.; and Sorgi, Kirk L., 4,837,328, Cl. 546-94.000.

Sori, Naoyuki: *See—*
- Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamamiya, Hideki; and Sakai, Isao, 4,827,235, Cl. 335-297.000.

Soria, Claude: *See—*
- Galline, Yves; and Soria, Claude, 4,889,110, Cl. 606-69.000.

Soria, Meyer: *See—*
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Soria, Rolando C. Automobile body protection apparatus and method. 4,828,303, 5-9-89, Cl. 293-128.000.

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Sorimachi, Kanehiro; and Kadosawa, Tsuneaki, to Canon Kabushiki Kaisha. Visual sensor system for producing stereoscopic visual information. 4,818,858, 4-4-89, Cl. 250-201.000.

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Sorimachi, Masami: *See—*

Yamamoto, Yasuaki; Tsukada, Hiroaki; Sorimachi, Masami; and Hori, Akihiro, 4,871,787, Cl. 523-122.000.

Sorimachi, Mitsuo, to Hosiden Electronics Co., Ltd. Connector plug. 4,824,402, 4-25-89, Cl. 439-680.000.

Sorimachi, Mitsuo: *See—*

Tajima, Kyousuke; Itoi, Goro; and Sorimachi, Mitsuo, 4,838,815, Cl. 439-841.000.

Sorin, Wayne V.: *See—*

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Kim, Byoung Y.; Sorin, Wayne V.; and Shaw, Herbert J., 4,828,350, Cl. 350-96.150.

Sorio, Aldo A.: *See—*

Gale, George M.; and Sorio, Aldo A., 4,857,250, Cl. 364-83.000.

Sorkin, Larry: *See—*

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Sorko-Ram, Paul O. Patterned mirror. 4,842,921, 6-27-89, Cl. 428-187.000.

Sorko-Ram, Paul O. Combination satellite antenna-solar collector. 4,864,317, 9-5-89, Cl. 343-720.000.

Sorkoram, Paul O. Method and apparatus for patterned cut of thermoplastics. 4,851,061, 7-25-89, Cl. 156-63.000.

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Dassi, Francesco; Nebuloni, Ferdinando; and Sormani, Cosimo, 4,810,855, Cl. 219-361.000.

Sormani, Massimo: *See—*

Sabbioni, Roberto; and Sormani, Massimo, 4,867,082, Cl. 112-121.110.

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Soroka, Arkady M.: *See—*

Alexandrov, Andrei J.; Dolgikh, Viktor A.; Kerimov, Oleg M.; Samarin, Alexei J.; Rudoi, Igor G.; and Soroka, Arkady M., 4,841,537, Cl. 372-55.000.

Soroka, Daniel P.: *See—*

Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., 4,844,947, Cl. 427-53.100.

Sorokan, Ronald S. Cantilever drilling structure. 4,823,870, 4-25-89, Cl. 166-79.000.

Sorokan, Ronald S. Drilling derrick assembly. 4,831,795, 5-23-89, Cl. 52-120.000.

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Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., 4,855,105, Cl. 420-75.000.

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Groetsch, John G., Jr.; Elkins, Timothy H., Jr.; and Sorrell, Charles A., 4,847,047, Cl. 420-552.000.

Sorrells, Giles K., to Caterpillar Inc. Method for monitoring payload. 4,835,719, 5-30-89, Cl. 364-567.000.

Sorrentino, Gregory, to General DataComm. Inc. Captive screw and assembly. 4,877,364, 10-31-89, Cl. 411-337.000.

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Sorrento Engineer, Inc.: *See—*

Hill, Francis V.; and Crosswhite, Lola E., 4,874,648, Cl. 428-35.900.

Sorscher, Bernard. Apparatus for converting a motor vehicle plug-in audio unit into a remote playable unit. 4,807,292, 2-21-89, Cl. 381-86.000.

Sortwell, Edwin T.; and Mikkelsen, Alan R., to Diatec Polymers. Method of rapidly dissolving polymer gels in water. 4,845,192, 7-4-89, Cl. 528-499.000.

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Sosa, Jose M.; and Morris, Jeffrey, to Fina Technology, Inc. Continuous process including recycle stream treatment for the production of high impact polystyrene. 4,857,587, 8-15-89, Cl. 525-53.000.

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Sosin, Boleslaw M.: *See—*

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Soskin, Eduard E.: *See—*

Anisovich, Kliment V.; Orekhov, Jury I.; and Soskin, Eduard E., 4,852,135, Cl. 378-49.000.

Sosnowska, Bozena: *See—*

Dabrowski, Roman; Dziaduszek, Jerzy; Szczucinski, Tomasz; Drzewinski, Witold; Stolarz, Zofia; Zmija, Jozef; Parka, Janusz; and Sosnowska, Bozena, 4,849,130, Cl. 252-299.610.

Sossna, Raimund: *See—*

Singh-Verma, Shyam B.; Jordan, Josef; and Sossna, Raimund, 4,865,757, Cl. 252-117.000.

Sosson, Pierre, to Compagnie des Transmissions Mecaniques Sedis; and Sachs Huret S.A. Hydraulically controlled tightener, in particular for a chain. 4,850,941, 7-25-89, Cl. 474-110.000.

Sostarich, Joseph J.: *See—*

Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koegl, Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, Cl. 364-507.000.

Sostegni, Giuliano, to Chenil Cont. S.p.A. Dampener for a bearing arthro-prothesis. 4,813,961, 3-21-89, Cl. 623-22.000.

Soszka, Barbara; Federowsky, Robert; and Mahler, Jacques, to Vetrotex Saint-Gobain. Process and apparatus for producing coated single twist glass yarns. 4,853,021, 8-1-89, Cl. 65-2.000.

Sota, Kaoru: *See—*

Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, 4,803,266, Cl. 540-200.000.

Mitsukuchi, Morihiro; Ikemoto, Tomoyuki; Watanabe, Yoshiaki; and Sota, Kaoru, 4,861,765, Cl. 514-181.000.

Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.

Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onoden, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.

Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onoden, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.

Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Sato, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.

Sota, Koichi, to Otari Electric Company, Ltd. Tape transporting device. 4,860,126, 8-22-89, Cl. 360-16.000.

Sota, Koichi: *See—*

Gantzhorn, John E., Jr.; McCloud, John W., II; Sota, Koichi; and Taniguchi, Jun, 4,814,899, Cl. 360-16.000.

Gantzhorn, John E., Jr.; and Sota, Koichi, 4,843,487, Cl. 360-17.000.

Sota, Kouichi; Sima, Toshiaki; and Yoshida, Hirokazu, to Otari Electric Co., Ltd. Magnetic tape container. 4,869,410, 9-26-89, Cl. 226-97.000.

Sota, Osamu: *See—*

Yamamoto, Kiyonori; Sota, Osamu; Sakae, Masahiko; Makiura, Yoshinori; Murakami, Masahiro; and Mitsuya, Toshiyuki, 4,861,017, Cl. 271-258.000.

Sota Technology, Inc.: *See—*

Kistner, David R., 4,880,680, Cl. 428-74.000.

Sotak, Christopher H., to General Electric Company. Method for volume localized spectral editing of NMR signals produced by metabolites containing coupled spins. 4,843,321, 6-27-89, Cl. 324-309.000.

Sotani, Junji; Koizumi, Tatsuya; Endo, Shiro; Mashino, Nobuyoshi; and Sec, Susumu, to The Furukawa Electric Co., 03, Ltd.; and Furukawa Construction Co., Ltd., The. Electric fluid heating apparatus utilizing a vaporizable working fluid. 4,803,343, 2-7-89, Cl. 219-326.000.

Sotani, Junji: *See—*

Noda, Hajime; Sato, Kuniyoshi; and Sotani, Junji, 4,875,522, Cl. 165-104.140.

Onodera, Kagetoshi; Koizumi, Tatsuya; Kato, Toshiyuki; Sotani, Junji; Momo, Masauki; and Furuya, Shuichi, 4,873,127, Cl. 427-376.800.

Sotar, Inc.: *See—*

Dixon, Dale A.; and Hannan, Forrest, 4,801,107, Cl. 242-198.000.

Sotelo, Santiago. Kit and method for using kit to re-finish plastered constructions. 4,877,648, 10-31-89, Cl. 427-140.000.

Soth, Henry J.; and Scarinzi, Christopher J., to Universal Instruments Corporation. Lead detection by variable pressure lead-contacting optical interposers. 4,814,621, 3-21-89, Cl. 250-561.000.

Soth, Henry J., to Universal Instruments Corporation. Method and apparatus for peeling a covering tape from a component supply tape. 4,869,393, 9-26-89, Cl. 221-1.000.

Soth, Henry J.; and Snyder, Michael D., to Universal Instruments Corporation. Feeder drive assembly and replaceable section for tape supplying and cover peeling. 4,887,778, 12-19-89, Cl. 226-109.000.

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Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.

Soto, Ana M.: *See—*

Sonnenschein, Carlos; and Soto, Ana M., 4,859,585, Cl. 435-29.000.

Soto, Florencio E.: *See—*

Dixon, Guy E.; Jacobus, Howard B.; and Soto, Florencio E., 4,867,221, Cl. 160-84.100.

Soto, Heriban: *See—*

Barbery, Gilles; Bouajila, Ahmed; and Soto, Heriban, 4,822,493, Cl. 210-703.000.

Soto, Jeffrey A.; and Pullo, Frank A., to Grumman Aerospace Corporation. System for producing graphic displays and programs for generating same. 4,870,397, 9-26-89, Cl. 340-747.000.

Sotolongo, Thomas J.: *See—*

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,867,696, Cl. 439-212.000.

Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; and Sotolongo, Thomas J., 4,869,676, Cl. 439-79.000.

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Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; Lauterbach, John H.; Sotolongo, Thomas J.; and Zwieg, Grover A., 4,881,905, Cl. 439-79.000.

Sotomura, Tadashi: *See—*

Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, 4,810,599, Cl. 429-191.000.

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Sotoya, Kohshiro: *See—*

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Sotralentz S.A.: *See—*

Jungels, Erwin; Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,795,057, Cl. 220-401.000.

Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,817,811, Cl. 220-85.0SP.

Pfeiffer, Pierre; Cheval, Benoit; and Sigwalt, Paul, 4,880,138, Cl. 220-320.000.

Sottini, Stefano; Russo, Vera; Crea, Filippo; and Margheri, Giancarlo, to Consiglio Nazionale Delle Ricerche. Fiber optic device for angioplasty. 4,842,390, 6-27-89, Cl. 350-96.150.

Sottiurai, Vikrom S. Method for reducing the occurrence of distal anastomotic intimal hyperplasia using fractionated heparin. 4,840,940, 6-20-89, Cl. 514-56.000.

Sou, Teho. Setting device for ropes. 4,815,174, 3-28-89, Cl. 24-136.00R.

Soubliere, Marc P.: *See—*

Seto, Raymond A.; and Soubliere, Marc P., 4,862,497, Cl. 379-[illegible].000.

Soubrier, Jean-Marie: *See—*

Buisson, Jean-Michel, and Soubrier, Jean-Marie, 4,844,637, Cl. 341-23.000.

Soubrier, Pierre: *See—*

Rondeau, George; and Soubrier, Pierre, 4,887,411, Cl. 53-493.000.

Susini, Etienne; and Soubrier, Pierre, 4,869,458, Cl. 251-14.000.

Susini, Etienne; and Soubrier, Pierre, 4,887,973, Cl. 493-213.000.

Soucie, Wayne: *See—*

Chacko, Tharayil; Soucie, Wayne; Tauer, Elroy J.; and Heimann, Robert, 4,870,814, Cl. 57-217.000.

Soucie, Wayne L.: *See—*

Boyer, Billy G.; Nelson, Lloyd M.; Soucie, Wayne L.; and Hayes, William K., 4,872,533, Cl. 188-2.00D.

Soucie, William G.; Chen, Wen-Sherng; Witte, Vernon C.; Henry, George A.; and Drehkoff, William D., to Kraft, Inc. Method of making fibrous protein xanthan gum complexes. 4,885,179, 12-5-89, Cl. 426-104.000.

Soucy, Etienne R. Golf reminder device. 4,854,584, 8-8-89, Cl. 273-183.00B.

Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shohei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, to Eisai Co., Ltd. Guanidinobenzoic ester derivative. 4,801,603, 1-31-89, Cl. 514-425.000.

Souda, Takeshi; and Matsuoka, Kenichi, to Toyota Jidosha Kabushiki Kaisha; and Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Vehicle for aerial working. 4,827,705, 5-9-89, Cl. 56-328.100.

Soudaz, Anna M.: *See—*

Knirsch, Franco; Soudaz, Anna M.; and Genova, Alessandro, 4,836,852, Cl. 106-22.000.

Souders, Roger B. Security connector assembly for mating coaxial connectors. 4,824,386, 4-25-89, Cl. 439-133.000.

Soudronic AG: *See—*

Martin, Michael S., 4,858,156, Cl. 364-560.000.

Sougawa, Masafumi, to Sanshin Kogyo Kabushiki Kaisha. Silencer for outboard engine. 4,852,686, 8-1-89, Cl. 181-229.000.

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Kamibayashi, Isao, 4,862,852, Cl. 123-342.000.

Souka, Abbas F.: *See—*

Bayoumi, Salah E. A., 4,856,853, Cl. 307-35.0EB.

Soukup, Jiri: *See—*

Kubata, Milan; Soukup, Jiri; and Trhlik, Jiri, 4,880,183, Cl. 242-125.100.

Soukup, Thomas G.: *See—*

Gluck, David G.; Soukup, Thomas G.; and Moore, William J., 4,795,763, Cl. 521-99.000.

Soukup, Thomas M.: *See—*

McArthur, William; and Soukup, Thomas M., 4,874,372, Cl. 604-110.000.

Soulage, Andre: *See—*

Richard, Philippe; Soulage, Andre; and Appel, Jean, 4,841,304, Cl. 342-460.000.

Soulard, Charles. Striking appliance for a game of golf, playing area including the use of said appliance, and a game assembly comprising the appliance and the area. 4,856,783, 8-15-89, Cl. 273-87.200.

Souleillan, Bernard; and Olivan, Louis. Expanded liquified gas mixer for feeding of heat engines. 4,831,994, 5-23-89, Cl. 123-527.000.

Soules, John W., Jr. Root cutting cable laying plow. 4,834,581, 5-30-89, Cl. 405-182.000.

Soules, Thomas F.: *See—*

Paynter, John; Gillooly, George R.; Soules, Thomas F.; and Hoffman, Mary V., 4,806,824, Cl. 313-486.000.

Soulie, Alain: *See—*

Dieras, Francis; Soulie, Alain; Larrieu, Jean-Louis; and Escanecrabe, Bernard, 4,804,364, Cl. 604-22.000.

Soullard, Marcel; and Brochard, Victor, to Boca-Quest. Process and plant for the treatment of meat of cattle or other quadrupeds. 4,797,975, 1-17-89, Cl. 17-46.000.

Souloumiac, Alain. Mirror optical keyboards. 4,868,568, 9-19-89, Cl. 341-31.000.

Souloumiac, Alain. Increased sensitivity optical keyboard. 4,884,073, 11-28-89, Cl. 341-31.000.

Soults, Donald J.; and Daniels, Neil A., to Geodisplay Technology Limited Partnership. Automated map display system. 4,873,513, 10-10-89, Cl. 340-723.000.

Sound Enhancement Systems, Inc.: *See—*

Eisenberg, Lawrence; and Eisenberg, Michael A., 4,862,897, Cl. 128-715.000.

Soundek Oy: *See—*

Luukkala, Mauri; Matilainen, Aarre; and Viirto, Jarmo, 4,882,499, Cl. 250-577.000.

Soundwave Fidelity Corporation: *See—*

Gala, James M., Jr., 4,881,265, Cl. 381-90.000.

Soundwich Incorporated: *See—*

Moore, Dan T., III; Collins, Edward A.; and Wheeler, Maurice E., 4,851,271, Cl. 428-34.500.

Sounik, David F.: *See—*

Harasin, Stephen J.; Hurley, Michael F.; Kelly, Timothy J.; Naleppa, Kenneth J.; Nodelman, Neil H.; Schumacher, Donald W.; Slocum, Gregory H.; and Sounik, David F., 4,868,224, Cl. 521-124.000.

Souppe, Jerome: *See—*

Levesque, Guy; Souppe, Jerome; Seris, Jean L.; and Bellenger, Valerie, 4,870,016, Cl. 435-183.000.

Sour Pliva: *See—*

Djokic, Slobodan; Lopotar, Nevenka; Kobrehel, Gabrijela; Krnjevic, Hrvoje; and Carevic, Olga, 4,886,792, Cl. 514-183.000.

Sourgen, Laurent: *See—*

Limisaque, Gilles; and Sourgen, Laurent, 4,851,653, Cl. 235-492.000.

Souriau & Cie: *See—*

de Mendez, Michel; Negre, Jean J.; Guenin, Gerard; and Herubel, Guy, 4,810,201, Cl. 439-161.000.

Mortier, Guy, 4,846,613, Cl. 411-87.000.

Thenaisie, Jacky; and Lenoir, Michel, 4,813,879, Cl. 439-59.000.

Villiers, Gerard, 4,842,537, Cl. 439-246.000.

Sourirajan, Srinivasa: *See—*

Farnand, Brian; Matsuura, Takeshi; and Sourirajan, Srinivasa, 4,814,084, Cl. 210-500.290.

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Crosnier, Jean-Jacques; de Mendez, Michel; and Maurin, Joel, 4,815,811, Cl. 350-96.200.

Sousa, John G.; Winey, Calvin M.; Hock, Allan G.; and Lutz, Carl D., to Howtek, Inc. Ink jet priming system. 4,870,431, 9-26-89, Cl. 346-140.00R.

Sousa, Toshio; Wakamiya, Koichi; Wakabayashi, Hiroshi; Kanai, Hachiro; and Miyamoto, Hidenori, to Nikon Corporation. Soft-focus optical element. 4,871,242, 10-3-89, Cl. 350-431.000.

Soutar, Ian: *See—*

Podsiadly, Paul; and Soutar, Ian, 4,817,331, Cl. 47-1.300.

South African Inventions Development Corporation: *See—*
  Cizek, Jaromir, 4,825,702, Cl. 73-828.000.
  Hunt, Michael S.; Mundell, Peter J.; and Strover, Angus E., 4,851,005, Cl. 623-18.000.
  Newman, John F. E.; and Hendry, Donald A., 4,845,042, Cl. 436-545.000.
South Bend Controls, Inc.: *See—*
  Everett, William F., 4,835,503, Cl. 335-229.000.
South, Peter, to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Vertical axis wind turbines. 4,808,074, 2-28-89, Cl. 416-140.000.
South-Western Publishing Co.: *See—*
  Gerver, Robert; and Sgroi, Richard J. 4,832,191, Cl. 206-232.000.
Southam, Frederick W.: *See—*
  Sood, Raman R.; Southam, Frederick W.; and Raghavan, Narasimha S., 4,869,892, Cl. 423-412.000.
Southam, Mary: *See—*
  Levy, Gerhard; Southam, Mary; and Powers Cramer, Marilou S., 4,822,802, Cl. 514-317.000.
Southard, Conway A.: *See—*
  Bottorf, Scott A.; Russell, Jeffrey D.; and Southard, Conway A., 4,825,381, Cl. 364-443.000.
Southard, James H.: *See—*
  Belzer, Folkert D.; and Southard, James H., 4,879,283, Cl. 514-60.000.
  Belzer, Folkert O.; and Southard, James H., 4,798,824, Cl. 514-60.000.
  Belzer, Folkert O.; and Southard, James H., 4,873,230, Cl. 514-60.000.
Southard, Robert C. Gun storage and maintenance work bench. 4,807,381, 2-28-89, Cl. 42-94.000.
Southard, Robert C. Press fit gun cradle for firearm maintenance and repair. 4,873,777, 10-17-89, Cl. 42-94.000.
Southard, Robert D., to United States of America, Navy. Test circuit for detecting short duration pulses. 4,829,521, 5-9-89, Cl. 371-20.000.
Southard, Robert K.: *See—*
  Marzari, Robert L.; Southard, Robert K.; and Stape, William J., 4,797,556, Cl. 250-551.000.
  Marzari, Robert L.; Southard, Robert K.; and Stape, William J., 4,800,265, Cl. 250-227.000.
Southby, David T.: *See—*
  Michno, Drake M.; Platt, Norma B.; Steele, David A.; and Southby, David T., 4,859,578, Cl. 430-544.000.
Southco, Inc.: *See—*
  Bisbing, Robert H., 4,804,215, Cl. 292-113.000.
  Bisbing, Robert H., 4,828,298, Cl. 292-113.000.
  Bisbing, Robert H., 4,830,413, Cl. 292-247.000.
  Bisbing, Robert H., 4,878,367, Cl. 70-491.000.
  Bisbing, Robert H., 4,880,261, Cl. 292-7.000.
  Vickers, James H., 4,827,811, Cl. 81-436.000.
  Vickers, James H., 4,863,326, Cl. 411-105.000.
Southeast Foam Converting & Packaging, Inc.: *See—*
  Dionne, Pierre A., 4,883,179, Cl. 206-523.000.
Southeast Vetlab, Inc.: *See—*
  Mitzner, Barry T.; and Aldersley, Colin F., 4,847,204, Cl. 436-10.000.
Southeastern Illinois College Foundation: *See—*
  Patterson, James A.; and Hamilton, Charles E., 4,805,343, Cl. 47-79.000.
  Patterson James A., 4,860,577, Cl. 73-64.300.
Souther, Steven H.: *See—*
  Makansi, Tarek; Melas, Constantin M.; Patel, Arvind M.; and Souther, Steven H., 4,804,959, Cl. 341-59.000.
Southerland, Tommy J.; Hinds, Eugene L.; Brown, Timothy L.; and Kiesche, Eric A., to Combustion Engineering, Inc. Electron discharge machining tool. 4,804,814, 2-14-89, Cl. 219-69.00V.
Southern, Albert M. Gable top paperboard container with tactile indicia indicating opening spout. 4,834,241, 5-30-89, Cl. 206-459.000.
Southern California Edison Company: *See—*
  Lopetrone, Juan P.; Valdes, Oliver; and Clopton, James, Jr., 4,837,519, Cl. 324-529.000.
  Powell, John G., 4,807,203, Cl. 367-191.000.
Southern Company Services, Inc.: *See—*
  Pritchard, Sue P., 4,828,943, Cl. 429-91.000.
  Wilson, Steve M., 4,833,917, Cl. 73-189.000.
Southern, Edwin, to Chancellor, Masters and Scholars of the University of Oxford, The. Electrophoresis method and apparatus for separating particles in a separation medium. 4,886,589, 12-12-89, Cl. 204-182.800.
Southern Illinois University, The Board of Trustees of: *See—*
  Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.
Southern Imperial, Inc.: *See—*
  Valiulis, Stanley C., 4,850,557, Cl. 248-220.400.
  Valiulis, Stanley C.; and Donnelli, Joseph W., 4,869,376, Cl. 211-59.100.
Southern Integrity, Inc.: *See—*
  Abramson, Monte, 4,814,749, Cl. 340-541.000.
Southern Marine Research, Inc.: *See—*
  Hewitt, Robert M., 4,823,397, Cl. 455-89.000.
Southern Pacific Transportation Co.: *See—*
  Austill, Robert J.; and Lambert, Joseph M., 4,880,190, Cl. 246-107.000.
Southern, Philip W. Mining bit and holder. 4,842,337, 6-27-89, Cl. 299-80.000.

Southern Railway Company: *See—*
  Howell, Roland A., 4,805,854, Cl. 246-169.00D.
Southern Research Institute: *See—*
  Dunn, Richard L.; Gibson, John W.; Eddy, Carlton A.; and Laufe, Leonard E., 4,841,968, Cl. 128-335.500.
Southern, Robert R.; and Treni, Michael R. Conference microphone for use with hearing impaired amplification system. 4,831,656, 5-16-89, Cl. 381-169.000.
Southern Steel Company: *See—*
  Bubliewicz, Leszek, 4,841,283, Cl. 340-545.000.
Southgate Corporation: *See—*
  Park, Pong K., 4,843,678, Cl. 16-30.000.
Southgate, Robert; and Frydrych, Colin H., to Beecham Group p.l.c. Penam derivatives. 4,820,701, 4-11-89, Cl. 514-194.000.
Southland Rentals, Inc.: *See—*
  Young, Joe A., 4,836,289, Cl. 166-379.000.
Southland, Stephen G., to Diamant Boart-Stratabit (USA) Inc. Diamond cutting element. 4,852,671, 8-1-89, Cl. 175-329.000.
Southland, Stephen G.: *See—*
  Matson, Lawrence W.; Southland, Stephen G.; and Jackson, Roy T., 4,794,995, Cl. 175-393.000.
Southmedic Incorporated: *See—*
  McDonald, Sandy, 4,883,049, Cl. 128-202.220.
Southren, Aaron L.; Weinstein, Bernard I.; and Gordon, Gary G., to New York Medical College. Use of tetrahydrocortisol in glaucoma therapy. 4,863,912, 9-5-89, Cl. 514-177.000.
Southwall Technologies: *See—*
  Meyer, Stephen F., 4,849,087, Cl. 204-298.000.
  Meyer, Stephen F.; and Sans, Claude A., 4,861,680, Cl. 428-623.000.
  Tu, Yue-Tung; Rosenblum, Martin P.; and English, Elliot V., 4,846,949, Cl. 204-192.210.
  Vincent, Steve M.; Behling, Gerald R.; Hood, Thomas G.; and Gomm, William E., 4,853,264, Cl. 428-34.000.
Southwall Technologies, Inc.: *See—*
  Meyer, Stephen F.; and Hood, Thomas G., 4,799,745, Cl. 350-1.700.
Southwell, William H.: *See—*
  Hall, Randolph L.; Woodberry, Frank J.; and Southwell, William H., 4,826,267, Cl. 350-1.600.
Southwest Aerospace Corporation: *See—*
  Brum, Roger D., 4,852,455, Cl. 89-1.140.
Southwest Electric Company: *See—*
  Owen, Donald W., 4,868,481, Cl. 323-253.000.
Southwest Laboratories, Inc.: *See—*
  Todd, Carl D., 4,814,748, Cl. 340-527.000.
Southwest Manufacturers & Distributors, Inc.: *See—*
  Genovese, Vincent P., 4,845,798, Cl. 15-98.000.
Southwest Research Institute: *See—*
  Bykowski, Bruce B., 4,813,231, Cl. 60-274.000.
  Darilek, Glenn T., 4,808,889, Cl. 315-291.000.
  Hill, Ralph H., Jr., 4,802,762, Cl. 356-318.000.
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  Lew, Chel W.; and Barlow, Darren E., 4,880,646, Cl. 426-93.000.
  Lyle, Robert E., Jr.; and Hamil, Henry F., 4,798,870, Cl. 525-327.100.
  Mallow, William A.; and Dziuk, Jerome J., Jr., 4,828,620, Cl. 106-100.000.
  McMahon, William A., Jr.; Trujillo, David A.; and Lyle, Robert E., Jr., 4,885,327, Cl. 524-376.000.
  Parra, Jorge O.; Owen, Thomas E.; and Duff, Bob M., 4,835,474, Cl. 324-363.000.
  Ryan, Thomas W., III; Maymar, Milan J.; and Anderson, Orin M. 4,873,947, Cl. 123-78.00C.
  Schick, Wilbur R., 4,850,524, Cl. 228-102.000.
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  Haydon, Robert, 4,889,977, Cl. 235-375.000.
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  Barnes, David; Bass, Joseph A.; Butler, John D.; and McKenzie, Robert H., 4,844,426, Cl. 266-219.000.
  Gentry, Bobby C.; Workman, Bobby G.; Powers, Wilber F., Jr. and Bradley, Gary W., 4,843,696, Cl. 29-33.00F.
  Miller, Vernon J., 4,830,088, Cl. 164-472.000.
  Sinha, Uday K.; and Chia, E. Henry, 4,823,586, Cl. 72-257.000.
  Watkins, Clinton E.; and Rowland, Bobby A., 4,874,442, Cl. 156-48.000.
Souza, Alejandro Y. Lug nut wrench. 4,819,523, 4-11-89, Cl. 81-177.200.
Souza, Lawrence M., to Kirin- Amgen Inc. Production of pluripotent granulocyte colony-stimulating factor. 4,810,643, 3-7-89, Cl. 435-68.000.
Souza, Steven P.: *See—*
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  Tihanyi, Peter L.; Vollmer, Hubert J.; Mott, Jeffrey S.; and Sovak, Maryanne, 4,817,854, Cl. 228-124.000.
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Sovish, Richard C.; Selleslags, Frank K. A.; and Moisson, Marc F. L., to Raychem Corporation. Heat-recoverable article. 4,879,799, 11-14-89, Cl. 29-447.000.
Sovran, Joseph G.; and Metz, Robert J., to M&T Chemicals Inc. Plating bath and process for making microporous chromium deposits. 4,865,700, 9-12-89, Cl. 204-51.000.
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Soward, Milton W.; and Bailey, F. Pat. Resilient wedge for core expander tool. 4,888,975, 12-26-89, Cl. 72-392.000.
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Sowell, Wendell L. Variable exerciser. 4,880,227, 11-14-89, Cl. 272-118.000.
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  Patron, Christian S. A. E.; Sowinski, Eugene J.; and Huben, Aart P., 4,884,043, Cl. 331-186.000.
Sowman, Harold G., to Minnesota Mining and Manufacturing Company. Internally modified ceramic fiber. 4,797,378, 1-10-89, Cl. 501-95.000.
Sowman, Harold G.; and Tran, Tai T., to Minnesota Mining and Manufacturing Company. Refractory fibers of alumina and amorphous phosphorus pentoxide. 4,801,562, 1-31-89, Cl. 501-35.000.
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  McAllister, Jerome W.; Pham, Lien-Huong T.; and Sowman, Harold G., 4,800,180, Cl. 501-88.000.
  McAllister, Jerome W.; Pham, Lien-Huong T.; and Sowman, Harold G., 4,883,779, Cl. 501-88.000.
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Soya, Akihiko: *See—*
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Sozzi, Tomaso, to Nestec S.A. Preparation of compositions including acid-resistant bifidobacteria. 4,870,020, 9-26-89, Cl. 435-252.100.
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  Corner, Michael R.; Griffiths, Phillip N.; Holmes, Tom; and Kemp, Ian, 4,836,260, Cl. 152-375.000.
  Walker, John C.; and Holmes, Thomas, 4,876,528, Cl. 340-442.000.
  Williams, Arthur R., 4,865,101, Cl. 152-526.000.

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Spaay, Albert J., to Matec Holding AG. Method and apparatus for manufacturing blanks of semi-finished products. 4,883,624, 11-28-89, Cl. 264-112.000.
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  Lambert, Blair W., 4,885,849, Cl. 36-3.00B.
Space Display Systems Pty. Ltd.: *See—*
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Space Industries, Inc.: *See—*
  Faget, Maxime A.; Johnson, Caldwell C.; and Bergeron, David J., III, 4,834,325, Cl. 244-173.000.
Spacehab, Inc.: *See—*
  Taylor, Thomas C.; and Citron, Robert A., 4,867,395, Cl. 244-158.00R.
SpaceLabs, Inc.: *See—*
  Moon, James B.; and Clark, Don L., 4,804,950, Cl. 340-715.000.
  Nelson, Craig H., 4,799,492, Cl. 128-672.000.
  Ruff, Gray E., 4,832,040, Cl. 128-686.000.
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  Walker, Arthur H., 4,852,583, Cl. 128-716.000.
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  Dahnert, Dean L., 4,810,044, Cl. 312-223.000.
  Muth, James C., 4,809,856, Cl. 211-184.000.
Spackman, Ramon: *See—*
  Clayton, Colin G.; and Spackman, Ramon, 4,830,193, Cl. 209-3.100.
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Spadafora, Peter J.; Headley, Philip M.; Lee, Alan J.; and Hersberger, Jill G., to General Motors Corporation; and Delco Electronics Corporation. Antiblock brake controller with brake mode filter. 4,824,184, 4-25-89, Cl. 303-100.000.
Spadafora, Peter J.: *See—*
  Hersberger, Jill G.; Bell, Myron H.; Harding, Robert L.; and Spadafora, Peter J., 4,885,710, Cl. 364-565.000.
Spademan, Richard G. Cuff device. 4,856,500, 8-15-89, Cl. 128-80.00C.
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  Feldman, Robert L.; and Spaeth, George L., 4,824,238, Cl. 351-206.000.
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  Althaus, Hans; Kuhlmann, Werner; and Spaeth, Werner, 4,888,081, Cl. 156-359.000.
  Kuhlmann, Werner; Spaeth, Werner; Waitl, Guenter; and Klann, Joerg, 4,857,746, Cl. 250-551.000.
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Spahn, Walter, to Messer, Griesheim GMBH. Process for the removal of impurities from exhaust gases. 4,835,974, 6-6-89, Cl. 62-12.000.
Spahr, William L.: *See—*
  Qureshi, Javaid I.; Kaufman, Roland H.; Anderson, Michael E.; and Spahr, William L., 4,814,236, Cl. 428-678.000.

- Spain, Byron R.: *See—*
  - Jacobs, Loyd D.; SenGupta, Gautam; and Spain, Byron R., 4,828,202, Cl. 244-117.00R.
- Spain, Ian L.: *See—*
  - Goldberg, Harris A.; Kalnin, Ilmar L.; Williams, Clyde C.; and Spain, Ian L., 4,856,179, Cl. 29-592.100.
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- Spak, Mark A., to Hoechst Celanese Corporation. High temperature post exposure baking treatment for positive photoresist compositions. 4,885,232, 12-5-89, Cl. 430-326.000.
- Spak, Michael E.; Tyl, Craig S.; and Wottrich, Philip C., to Advanced Micro Devices, Inc. Fracturable x-y storage array using a ram cell with bidirectional shift. 4,813,015, 3-14-89, Cl. 365-78.000.
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  - Casagrande, Joseph E., 4,805,902, Cl. 272-86.000.
  - Janes, Richard, 4,798,382, Cl. 273-73.00C.
  - Meeker, Paul K., 4,826,246, Cl. 257-250.000.
  - Melvin, Terrence; and Nesbitt, R. Dennis, 4,880,241, Cl. 273-232.000.
  - Molitor, Robert P., 4,808,272, Cl. 204-6.000.
  - Molitor, Robert P., 4,822,041, Cl. 273-60.00B.
  - Molitor, Robert P., 4,840,378, Cl. 273-60.00B.
  - Moroney John W.; and Ralli, Jugal K., 4,802,248, Cl. 5-11.000.
  - Sullivan, Michael J., 4,838,556, Cl. 273-220.000.
  - Sullivan, Michael J., 4,852,884, Cl. 273-230.000.
  - Sullivan, Michael J., 4,884,814, Cl. 273-235.00R.
  - Terence, Melvin; and LaRosa, Alfred I., 4,844,471, Cl. 273-220.000.
  - Voss, Timothy R.; and Doleva, John L., 4,795,031, Cl. 206-315.900.
- Spalla, Mario: *See—*
  - Busacca, Guido; Meli, Vincenzo; and Spalla, Mario, 4,859,907, Cl. 315-3.500.
- Spalmacin-Roma, Sylvie: *See—*
  - Blanc, Alain; Jeanniot, Patrick; and Spalmacin-Roma, Sylvie, 4,845,752, Cl. 381-31.000.
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- Spaman, Donald R.: *See—*
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- Spamer, William S., to Mead Corporation, The. Display stand convertible to gravity feed. 4,886,171, 12-12-89, Cl. 211-59.200.
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  - Davis, Leonard L., Jr.; and Schafer, Daniel J., 4,832,007, Cl. 128-70.000.
  - Spann, Donald C.; Schaefer, Daniel J.; and Krouskop, Thomas A., 4,862,538, Cl. 5-464.000.
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  - Nasby, Charles L., Jr., 4,804,298, Cl. 405-218.000.
- Span, Francis J., to U.S. Philips Corporation. Radiology patient support. 4,836,520, 6-6-89, Cl. 269-322.000.
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  - Shih, Shih-Ming; Spanel, Richard J.; Yamamoto, Kenneth G.; and Yu, Mantle M., 4,835,632, Cl. 360-78.040.
- Spang, Gerardus: *See—*
  - Hamer, Antonius; and Spang, Gerardus, 4,852,617, Cl. 139-452.000.
- Spang, Kim J.; Minarik, Daniel; and MacPherson, William H., to Pittway Corporation. Supervision arrangement for smoke detectors. 4,829,283, 5-9-89, Cl. 340-506.000.
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  - Featherstone, John L.; Spang, S. Timothy; Newell, David G.; and Gallup, Darrell L., 4,874,529, Cl. 210-713.000.
- Spangle, Lloyd B., to Dowell Schlumberger Incorporated. Expandable cement composition. 4,797,159, 1-10-89, Cl. 106-89.000.
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- Spangler, Glenn E.: *See—*
  - Vora, Kishore N.; Campbell, Donald N.; Davis, Robert C., Jr.; Spangler, Glenn E.; and Reategui, Julio A., 4,839,143, Cl. 422-98.000.
- Spangler, Michael J.: *See—*
  - Jezl, James L.; Michaels, Glenn O.; Spangler, Michael J.; and Winzenburg, Mark L., 4,814,539, Cl. 585-500.000.
- Spangler, Richard: *See—*
  - Gant, Eugene; and Spangler, Richard, 4,796,900, Cl. 279-123.000.
- Spanier, Henry C.; Mulligan, Patrick; Spiel, Albert; and Staples, Lorna C., to Nabisco Brands, Inc. Coated canine biscuits. 4,822,626, 4-18-89, Cl. 426-94.000.
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  - Spiel, Albert A.; Roe, James; and Spanier, Henry C., 4,795,655, Cl. 426-635.000.
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- Spanier, Marilyn. Bib family/combination toddler bib and doll 4,829,601, 5-16-89, Cl. 2-49.00R.
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- Spanjer, Tjerk G.; and Vrijssen, Gerardus A. H. M., to U.S. Philips Corporation. Electron beam device and a focusing lens therefor 4,827,184, 5-2-89, Cl. 313-450.000.
- Spanjer, Tjerk G.: *See—*
  - Vrijssen, Gerardus A. H. M.; and Spanjer, Tjerk G., 4,857,797, Cl. 313-450.000.
- Spanjol, Damir A.: *See—*
  - Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W. Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Damir A., 4,827,242, Cl. 340-450.000.
- Spann, Donald C.; Schaefer, Daniel J.; and Krouskop, Thomas A., to Span-America Medical Systems, Inc. Multi-section mattress overlay for systematized pressure dispersion. 4,862,538, 9-5-89, Cl. 5-464.000.
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  - Zowarka, Raymond C.; Weeks, Damon A.; Weldon, William F. Gully, John H.; Upshaw, Jim L.; Spann, Mike L.; and Peterson Dennis R., 4,884,489, Cl. 89-8.000.
- Spano, John D.; and Menard, Michael J., to Personal Products Company. Method and apparatus for producing fibrous web pieces 4,836,070, 6-6-89, Cl. 83-27.000.
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  - van de Kamp, Dieter, 4,834,439, Cl. 294-74.000.
  - von Danwitz, Hans-Otto, 4,843,807, Cl. 57-201.000.
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- Sparacino, Louis: *See—*
  - Grandy, John; Barbero, Paul; Quinn, Robert; and Sparacino, Louis 4,828,239, Cl. 269-41.000.
- Sparacio, Frank J.: *See—*
  - Aichelmann, Frederick J., Jr.; Blumberg, Rex H.; Meltzer, David Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,823,259, Cl. 364-200.000.
  - Pomerene, James H.; Puzak, Thomas R.; Rechtschaffen, Rudolph N.; and Sparacio, Frank J., 4,807,110, Cl. 364-200.000.
- Sparapany, John W.; Fong, Dodd W.; and Fu, Josepha M., to Nalco Chemical Company. Polyhydroxyamic acid polymers from polyacrylic acids. 4,868,248, 9-19-89, Cl. 525-380.000.
- Sparber, George E.: *See—*
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- Sparkle Wash, Inc.: *See—*
  - Shaffer, Detmer B., 4,821,958, Cl. 239-131.000.
- Sparkomatic Corporation: *See—*
  - Freadman, Tommyca; and Castagna, John F., 4,884,655, Cl 181-145.000.
- Sparks, Bryan D.: *See—*
  - Majid, Abdul; Clancy, Vincent P.; and Sparks, Bryan D., 4,867,75 Cl. 44-604.000.
- Sparks, Charles; and Odru, Pierre, to Institut Francais du Petrole Variable rigidity element for transfer column foot. 4,854,781, 8-8-89 Cl. 405-224.000.
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- Sparks, Gregory E.: *See—*
  - Kramer, Kenneth D.; and Sparks, Gregory E., 4,799,645, Cl 251-30.040.
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  - Mosley, Ronald B.; Sparks, Leslie E.; and Plaks, Norman 4,822,381, Cl. 55-2.000.

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  - Shannon, Paul D.; Oka, Hiroyuki; Grimme, Paul E.; and Sparks, Robert W., 4,809,231. Cl. 365-201.000.
- Sparks, Ronald V.; and Sparks, Sharon L. Holder for slender elongated articles such as fishing rod sections. 4,864,697, 9-12-89, Cl. 24-336.000.
- Sparks, Sam L.; Brimhall, Owen D.; Peterson, Stephen C.; and Baker, Charles D., to Utah Bioresearch, Inc. Apparatus and methods for achieving urinary continence. 4,850,963, 7-25-89, Cl. 600-29.000.
- Sparks, Sharon L.: *See—*
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- Sparks, Steven E.: *See—*
  - Garcia, Virgilio N.; Hearn, Alan S.; and Sparks, Steven E., 4,831,286, Cl. 307-480.000.
- Sparks, Timothy H.: *See—*
  - Crawford, Steven M.; Crowder, Eugene W.; and Sparks, Timothy H., 4,803,872, Cl. 73-150.00R.
- Sparling, Francis C.: *See—*
  - Koppitsch, Heinrich; and Sparling, Francis C., 4,843,327, Cl. 324-525.000.
- Sparling, Robert D., II; and Vachon, Gerard L., to Davidson Textron Inc. Washable mask process. 4,877,652, 10-31-89, Cl. 427-264.000.
- Sparr, Anders V., Sr. Split clip for folded collapsible tube. 4,817,823, 4-4-89, Cl. 222-103.000.
- Sparrow, David J.: *See—*
  - Bentley, James M.; Brown, James P.; Frijns, Guy; and Sparrow, David J., 4,849,460, Cl. 521-163.000.
- Sparrow, James A.: *See—*
  - Gjertsen, Robert K.; Knott, Ronald P.; and Sparrow, James A., 4,888,151, Cl. 376-327.000.
- Sparrow, Malcolm K. Fingerprint recognition and retrieval system. 4,817,183, 3-28-89, Cl. 382-4.000.
- Sparrowhawk, Bryan L.; and Redfield, John M., Jr. Removable controlled thickness conformal coating. 4,830,922, 5-16-89, Cl. 428-411.100.
- Sparrowhawk, Douglas G.: *See—*
  - Hague, Barbara E.; and Sparrowhawk, Douglas G., 4,862,633, Cl. 43-44.840.
- Sparshott, John; Butler, Stephen; and Bowsher, Richard, to Russet Instruments PLC. Print head. 4,828,409, 5-9-89, Cl. 400-124.000.
- Spartan Container Corp.: *See—*
  - Mead, Gary G.; and Foos, George M., 4,811,853, Cl. 211-124.000.
- Spartanics, Ltd.: *See—*
  - Mohan, William L., 4,827,140, Cl. 250-548.000.
  - Willits, Samuel P.; Kleeman, Thomas E.; and Willits, Steven F., 4,804,325, Cl. 434-22.000.
  - Willits, Samuel P.; Kleeman, Thomas E.; and Mohan, William L., 4,809,188, Cl. 364-469.000.
- Sparton Corporation: *See—*
  - Wilson, Carl R.; and Neese, James A., 4,813,123, Cl. 29-593.000.
- Spash, John L., to Digital Equipment Corporation. Self-loading head assembly for disk drives. 4,884,155, 11-28-89, Cl. 360-105.000.
- Spassky, Nicolas: *See—*
  - Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, 4,824,923, Cl. 536-298.000.
- Spastics Society, The: *See—*
  - Singleton, John M., 4,805,712, Cl. 180-65.100.
  - Singleton, John M., 4,811,966, Cl. 280-5.320.
  - Slasor, James F., 4,805,931, Cl. 280-650.000.
- Spatara, Joseph M.: *See—*
  - George, Paul L.; Waxman, David M.; Sybel, Randall T.; Mednick, Elliot H.; O'Brien, Kevin J.; and Spatara, Joseph M., 4,888,691, Cl. 364-300.000.
- Spater, Stuart S.: *See—*
  - Kolton, Chester; and Spater, Stuart S., 4,884,726, Cl. 223-91.000.
- Spates, G. Michael. Stereo headset-headband assemblies for headphones. 4,864,619, 9-5-89, Cl. 381-25.000.
- Spath, Walter. Raising device for attachment to hospital beds. 4,847,930, 7-18-89, Cl. 5-84.000.
- Spatial Communications, Inc.: *See—*
  - Yukl, Tex, 4,878,059, Cl. 343-753.000.
- Spatial Systems Pty Limited: *See—*
  - Hilton, John A., 4,811,608, Cl. 73-862.040.
- Spatoulas, George S.: *See—*
  - Hardwicke, Carl S.; Leffel, Howard R., Jr.; and Spatoulas, George S., 4,825,603, Cl. 52-126.600.
- Spatron Corporation: *See—*
  - Dickey, John A., 4,864,157, Cl. 307-135.000.
- Spatz, Edward C.: *See—*
  - Donovan, Joseph F.; Spatz, Edward C.; Salerni, John V.; Peterson, Elmer R.; and Weirich, John B., 4,856,591, Cl. 166-278.000.
  - Ilfrey, William T.; Spatz, Edward C.; Peterson, Elmer R.; and Moran, William, 4,858,691, Cl. 166-278.000.
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  - Spatz, Walter, 4,820,070, Cl. 401-87.000.
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- Spaulding, George E., to Wittek Industries, Inc. Self-aligning spring clamp. 4,821,379, 4-18-89, Cl. 24-20.0TT.
- Spaulding, Laura; and Pasarela, Nunzio R., to American Cyanamid Company. Non-particulate, non-flowable, non-repellant insecticide-bait composition for the control of cockroaches. 4,845,103, 7-4-89, Cl. 514-275.000.
- Spaulding, Laura; Rebarber, Arthur; and Wiese, Eugene, to American Cyanamid Company. Broad spectrum antimicrobial system for hard surface cleaners. 4,867,898, 9-19-89, Cl. 252-106.000.
- Spaulding, Mark F.; and Goehring, Richard A., to Perkin-Elmer Corporation, The. Thermal spray gun with fan spray. 4,836,448, 6-6-89, Cl. 239-79.000.
- Spaun, Rudiger;: *See—*
  - Schnell, Peter; Maier-Lehner, Franz; and Spaun, Rudiger;, 4,886,684, Cl. 427-370.000.
- Spaur, Michael R.: *See—*
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- Spavins, James C., to Pfizer Inc. Process for preparing a ketimine. 4,855,500, 8-8-89, Cl. 564-270.000.
- Spawn Mate, Inc.: *See—*
  - Holtz, R. B., 4,818,268, Cl. 71-5.000.
- Spayd, Richard W.: *See—*
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- Spazierer, Hubert; and Weber, Adam, to SWF Auto-Electric GmbH. Switch, especially for motor vehicles. 4,797,520, 1-10-89, Cl. 200-295.000.
- Spea S.p.A.: *See—*
  - Orlando, Crescenzo; Zenere, Sandro; Butera, Antonio; and Beghetto, Leonardo, 4,883,386, Cl. 405-136.000.
- Speak, John M., to Beloit Corporation. Self-loading controlled deflection roll. 4,850,088, 7-25-89, Cl. 29-116.200.
- Speake, John D., to U.S. Philips Corporation. Bandpass filter circuit arrangement. 4,839,617, 6-13-89, Cl. 333-174.000.
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- Speaker, Tycho J.: *See—*
  - Speaker, Tully J.; Speaker, Tycho J.; and Collett, John H., 4,797,234, Cl. 264-4.100.
- Speakman, Eugene R., to McDonnell Douglas Corporation. Interference fit bearings. 4,844,627, 7-4-89, Cl. 384-208.000.
- Speakman, John G.: *See—*
  - Chamla, Claude; and Speakman, John G., 4,879,359, Cl. 526-105.000.
- Spear, Burton W.: *See—*
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- Spear Jr., A. Gil: *See—*
  - Palett, Anthony P.; and Spear Jr., A. Gil, 4,875,229, Cl. 379-58.000.
- Spear, Scott A.: *See—*
  - Carson, Steven R.; Griffin, Raymond T.; and Spear, Scott A., 4,880,950, Cl. 200-547.000.
- Spear, Stephen L., to Motorola, Inc. Cellular radiotelephone system with dropped call protection. 4,811,380, 3-7-89, Cl. 379-60.000.
- Spearhead Industries, Inc.: *See—*
  - Thill, Gerald D., 4,837,864, Cl. 2-244.000.
- Spearman, Daniel M.: *See—*
  - Spearman, Michael R.; Spearman, Patrick R.; and Spearman, Daniel M., 4,814,033, Cl. 156-187.000.
  - Spearman, Michael R.; Spearman, Patrick R.; and Spearman, Daniel M., 4,836,931, Cl. 210-484.000.
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- Spearmon, JoAnn M.; and Jackson, Sharon I. Conditioner-hair dressing. 4,861,593, 8-29-89, Cl. 424-195.100.
- Spearow, Ralph G., to Santa Clara Plastics. Ventilated clean room work station with aerodynamic exhaust baffle. 4,860,643, 8-29-89, Cl. 98-115.300.
- Spears, Christopher L. Door guard. 4,810,013, 3-7-89, Cl. 293-128.000.
- Spears, Harry L. Downhole tool for use with a ball and seat traveling valve for a fluid pump. 4,848,454, 7-18-89, Cl. 166-108.000.
- Spears, J. Richard, to Beth Israel Hospital Association, The. Method and apparatus for angioplasty. 4,799,479, 1-24-89, Cl. 128-303.100.
- Spears, J. Richard: *See—*
  - Sinofsky, Edward L.; Spears, J. Richard; Dickinson, Douglas W.; and Wagner, Maria S., 4,878,492, Cl. 128-303.100.
- Spears, Kenneth: *See—*
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Spears, Thomas D., to General Motors Corporation. Variable stroke compressor socket plate. 4,860,641, 8-29-89, Cl. 92-71.000.
Speas, Gary W., to POM Incorporated. Electronic parking meter system. 4,823,928, 4-25-89, Cl. 194-217.000.
Speas, Gary W., to POM, Incorporated. Solar power system for electronic parking meter. 4,827,206, 5-2-89, Cl. 323-299.000.
Speas, Gary W., to POM, Incorporated. Electronic advertising system for solar powered parking meter. 4,872,149, 10-3-89, Cl. 368-90.000.
Speas, Gary W., to POM Incorporated. Park card system for electronic parking meter. 4,880,097, 11-14-89, Cl. 194-239.000.
Speas, Thomas P., Jr.: *See—*
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Spease, Arthur L., to Teleflex Incorporated. Remote control assembly transmission seal. 4,811,621, 3-14-89, Cl. 74-501.50R.
Spease, Arthur L., to Teleflex Incorporated. Self-adjust mini increment. 4,841,806, 6-27-89, Cl. 74-501.50R.
Spease, Arthur L., to Teleflex Incorporated. Sealed rotating end fitting for a flexible cable. 4,860,609, 8-29-89, Cl. 74-502.400.
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  Scozzafava, Michael; Specht, Donald P.; Ulman, Abraham; Willand, Craig S.; and Williams, David J., 4,886,339, Cl. 350-96.340.
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  Hoke, William E.; Specht, Lindley T.; and Korenstein, Ralph, 4,886,683, Cl. 427-252.000.
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Specht, Victor J. Wheel hub assembly. 4,856,633, 8-15-89, Cl. 192-67.00R.
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  Berkelmans, Nicolaas M.; Den Outer, Marius, deceased; and Den Outer, Annie, legal representative, 4,804,279, Cl. 400-94.000.
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  Tackles, George J.; and Sinyard, Michael W., 4,830,240, Cl. 224-35.000.
  Tackles, George J., 4,870,873, Cl. 74-594.600.
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  Newton, Robert K.; and Schmalz, Steven M., 4,878,760, Cl. 366-149.000.
  Quandt, James A.; and Lee, Joseph M., 4,884,413, Cl. 62-135.000.
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Speck, Ruedi; and Weinmann, Robert, to Netstal-Maschinen AG. Method for measuring and controlling the closing force of a plastic injection molding machine. 4,832,884, 5-23-89, Cl. 264-40.500.
Speck, Ulrich. Use of N-acetylglucosamine for the therapy of degenerative joint disease and related diseases. 4,870,061, 9-26-89, Cl. 514-62.000.
Speckenbach, Stephen J., to Hayes Microcomputer Products, Inc. Speed correction and stop bit control circuit for data communications device. 4,885,758, 12-5-89, Cl. 375-118.000.
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Specktor, Gerald A.: *See—*
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Spector, Donald. Automobile air freshener unit. 4,814,212, 3-21-89, Cl. 428-14.000.
Spector, Donald. Biofeedback therapy system. 4,819,656, 4-11-89, Cl. 128-736.000.
Spector, Donald. Decorative air freshener unit. 4,824,707, 4-25-89, Cl. 428-46.000.
Spector, Donald. Play character. 4,828,527, 5-9-89, Cl. 446-302.000.
Spector, Donald. Inflatable play ball. 4,834,382, 5-30-89, Cl. 273-65.0EG.
Spector, Donald. Cassette player and slide assembly. 4,835,556, 5-30-89, Cl. 353-15.000.
Spector, Donald. Hand-actuated fragrance emitting unit. 4,858,831, 8-22-89, Cl. 239-326.000.
Spector, Donald. Bicycle safety lights. 4,875,142, 10-17-89, Cl. 362-72.000.
Spector, Donald. Aromatic foam-plastic decorative object. 4,883,692, 11-28-89, Cl. 428-16.000.
Spector, Donald. Perfume container. 4,884,704, 12-5-89, Cl. 215-12.100.
Spector, Donald. Household appliance for making frozen food products. 4,885,917, 12-12-89, Cl. 62-343.000.
Spector, Donald. Rechargeable air freshener. 4,889,284, 12-26-89, Cl. 239-34.000.
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  Britton, Joe L., Sr.; and Spector, George, 4,856,070, Cl. 381-169.000.
  Brotherton, Tania; and Spector, George, 4,812,621, Cl. 219-366.000.
  Brown, Robert L.; and Spector, George, 4,842,235, Cl. 248-447.200.
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  Christopher, Brent; and Spector, George, 4,803,750, Cl. 15-104.520.
  Colella, Vincent J.; and Spector, George, 4,841,643, Cl. 30-500.000.
  Conn, Roy S., Jr.; and Spector, George, 4,843,337, Cl. 340-906.000.
  Davis, Charles L.; and Spector, George, 4,796,302, Cl. 2-21.000.
  Demetrius, Kris; and Spector, George, 4,805,349, Cl. 51-170.0PT.
  Gage, Gene F., Sr.; and Spector, George, 4,890,091, Cl. 340-467.000.
  Gordon, Larry T.; and Spector, George, 4,834,599, Cl. 410-151.000.
  Goss, Ray J.; and Spector, George, 4,796,791, Cl. 224-275.000.
  Horvat, Juro; and Spector, George, 4,843,663, Cl. 5-455.000.
  Jimenez, Francisco G.; and Spector, George, 4,843,369, Cl. 340-479.000.
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  Moreno, Albert F.; and Spector, George, 4,832,396, Cl. 296-164.000.

  Overcash, Charalotta A.; and Spector, George, 4,841,584, Cl. 4-519.000.
  Pearson, Victor I.; and Spector, George, 4,798,366, Cl. 254-22.000.
  Roach, Daniel; and Spector, George, 4,835,877, Cl. 33-426.000.
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  Rose, James H.; and Spector, George, 4,860,989, Cl. 248-471.000.
  Ryder, Peter M.; and Spector, George, 4,804,008, Cl. 135-35.00V.
  Scarcello, Carolyn D.; and Spector, George, 4,866,863, Cl. 40-124.500.
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  Vu, Thaun D.; and Spector, George, 4,855,878, Cl. 362-66.000.
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  Weinman, Mary; and Spector, George, 4,867,729, Cl. 446-330.000.
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  Worrell, Darhl R.; and Spector, George, 4,801,922, Cl. 340-586.000.
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  Scifres, Donald R.; Kung, Hsing; Cross, Peter; Burnham, Robert D.; and Sreifer, William, 4,803,691, Cl. 372-150.000.
  Scifres, Donald R.; and Streifer, William, 4,815,084, Cl. 372-46.000.
  Scifres, Donald R.; and Worland, D. Philip, 4,818,062, Cl. 350-96.290.
  Scifres, Donald R.; and Worland, D. Philip, 4,820,010, Cl. 350-96.150.
  Streifer, William; Scifres, Donald R.; and Harnagel, Gary L., 4,826,269, Cl. 350-3.720.
  Streifer, William; Scifres, Donald R.; and Klein, Jerome R., 4,862,802, Cl. 102-201.000.
  Welch, David; Scifres, Donald R.; Cross, Peter; and Streifer, William, 4,809,288, Cl. 372-46.000.
  Welch, David F.; Scifres, Donald R.; Thornton, Robert L.; and Burnham, Robert D., 4,845,725, Cl. 372-46.000.
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  Creagh, Linda T.; Fulton, Steven F.; Hoisington, Paul A.; Paulson, Bruce A.; Schaffer, Robert R.; and Spehrley, Charles W., Jr., 4,801,473, Cl. 427-164.000.
  Creagh, Linda T.; Spehrley, Charles W., Jr.; Hine, Nathan P.; Cranston, Dean H.; and MacDonald, Jack B., 4,864,330, Cl. 346-140.00R.
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  Fischbeck, Kenneth H.; and Hoisington, Paul A., 4,825,227, Cl. 346-1.100.
  Fischbeck, Kenneth H., 4,864,328, Cl. 346-140.00R.
  Fulton, Steven J.; Spehrley, Charles W., Jr.; and Young, Lawrence R., 4,873,134, Cl. 428-156.000.
  Hoisington, Paul A.; Hine, Nathan P.; and Spehrley, Charles W., Jr., 4,814,786, Cl. 346-1.100.
  Hoisington, Paul A.; Schaffer, Robert R.; and Fischbeck, Kenneth H., 4,835,554, Cl. 346-140.00R.
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  Cain, Gary L., 4,801,791, Cl. 250-201.000.
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  Carlson, Lee; Green, Mike; Miller, Mike; Nissen, Rudy; and Sheng, Steve, 4,815,100, Cl. 372-58.000.
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  DeBell, Gary W.; Wright, David L.; Ruddock, Kenneth A.; Petersen, Alan B.; Carlson, Lee R.; and Von Gunten, Marc K., 4,809,293, Cl. 372-98.000.
  Ekstrand, John, 4,814,966, Cl. 363-89.000.
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  Elliott, Randy D.; and Tabet, Nicolas N., 4,861,972, Cl. 235-462.000.
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  Johnson, Bertram C.; DiFonzo, John C.; and Herbst, Richard L., 4,873,692, Cl. 372-20.000.
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  Kafka, James D.; and Baer, Thomas M., 4,835,778, Cl. 372-6.000.
  Kafka, James D.; Linne, Mark; and Baer, Thomas M., 4,847,850, Cl. 372-71.000.
  Ledtje, Marvin L.; and Long, Aubrey D., Jr., 4,862,907, Cl. 137-1.000.
  Miller, Les A.; Tabanfar, Shahin; and Chung, Chih-Hua, 4,832,575, Cl. 417-18.000.
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  Peterson, Donald S., 4,837,452, Cl. 307-2.000.
  Rando, Joseph F.; and Blumer, Eric W., 4,795,389, Cl. 445-28.000.
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  Messerschmidt, Robert G.; and Sting, Donald W., 4,877,960, Cl. 250-341.000.
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  Levin, Philip S., 4,813,093, Cl. 29-157.00C.
  Levin, Philip S., 4,863,102, Cl. 239-135.000.
  Vacha, Lubos J. B.; Schultz, Peter C.; Moynihan, Cornelius T.; Raychaudhuri, Satyabrata; Cadien, Ken C.; Harbison, Barry B.; and Mossadegh, Reza, 4,874,222, Cl. 350-96.340.
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  Evans, Alan G. R.; and Farooqui, Mohammed M., 4,849,069, Cl. 156-643.000.
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Weber, Markus; Ryser, Andreas; and Jeker, Rene, 4,878,352, Cl. 62-51.100.
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Speelman, David J.; and Virant, Allen J., to Plasticolors, Inc. Ultraviolet stabilizer compositions, stabilized organic materials, and methods. 4,839,405, 6-13-89, Cl. 524-99.000.
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Speiser, Peter, to Dr. Rentschler Arzneimittel GmbH & Co. Lipid nano-pellets as excipient system for perorally administered drugs. 4,880,634, 11-14-89, Cl. 424-450.000.
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Spek, Dirk P.; and van der Heyden, Leonardus A. Process for the preparation of a coagulated material. 4,886,702, 12-12-89, Cl. 428-308.400.
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Speller, Thomas H., Sr.; Davern, John W.; Weaver, Jeffrey P.; and Andrews, Mark J., to Gemcor Engineering Corp. Five axis riveter. 4,864,702, 9-12-89, Cl. 29-34.00B.
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Kegel, Andrew J.; Spencer, James R.; Smith, James S.; Rhodes, Russell [illegible]; and Mullendore, James A., 4,836,108, Cl. 102-306.000.
Spencer, Jeffrey S., to A. M. Todd Company. Stable peppermint oil having reduced pulegone content and method of producing the same. 4,861,616, 8-29-89, Cl. 426-651.000.
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Glass, Suzanne L. E.; Johnson, Charles W.; and Spencer, John L., 4,845,194, Cl. 530-344.000.
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McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
Spencer, Kenneth G., to Microbio Resources, Inc. Pigmentation supplements for animal feed compositions. 4,871,551, 10-3-89, Cl. 426-2.000.
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Brookes, Gerald F.; and Spencer, Lynne, 4,857,221, Cl. 252-61.000.
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Spencer, R. Wilson. Sample extraction system. 4,800,761, 1-31-89, Cl. 73-863.710.
Spencer, R. Wilson. Sample injection means. 4,879,915, 11-14-89, Cl. 73-864.740.
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Spencer, Robert B., to Nicolet Instrument Corporation. Mass spectrometer ion excitation system. 4,874,943, 10-17-89, Cl. 250-281.000.
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Spencer, Russell, to British Aerospace Public Limited Company. Nose piece adaptors for manual or power feed drills. 4,850,755, 7-25-89, Cl. 408-56.000.
Spencer, Stephen C. Clearance gauge for setting a tool above a workpiece. 4,813,152, 3-21-89, Cl. 33-638.000.
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Sinensky, Michael; and Spencer, Thomas A., 4,863,932, Cl. 514-307.000.
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Baker, John R.; Spencer, Timothy T.; and Cornia, Paul B., 4,847,795, Cl. 364-579.000.
Spencer, Treesa. Disposable container for syringes. 4,828,107, 5-9-89, Cl. 206-366.000.
Spencer, Treesa A. Disposable hypodermic syringe and needle combination having retractable, accident preventing sheath. 4,801,295, 1-31-89, Cl. 604-198.000.
Spencer Turbine Company, The: *See—*
Poor, James C., 4,874,410, Cl. 55-276.000.
Spencer, William A.: *See—*
Lacy, Robert H.; and Spencer, William A., 4,884,242, Cl. 365-229.000.
Spencer, William D. Trash compactor with pivoting platen portion. 4,870,898, 10-3-89, Cl. 100-53.000.
Spencer, William H.: *See—*
Scherer, Andrew J.; Westover, Dwight G.; Spencer, William H.; and Roldan, Bayani E., 4,805,894, Cl. 271-297.000.
Spencer Wright Industries, Inc.: *See—*
Bagnall, Arthur F., 4,815,401, Cl. 112-80.410.
Bagnall, Arthur F., 4,834,005, Cl. 112-80.420.
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Price, Herbert B., 4,815,402, Cl. 112-80.440.
Slattery, Ian, 4,794,874, Cl. 112-266.200
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Spengler, Charles J.; and Ruka, Roswell J., to Westinghouse Electric Corp. Stabilizing metal components in electrodes of electrochemical cells. 4,849,254, 7-18-89, Cl. 427-115.000.
Spengler, Charles J.; and Singh, Prabhakar, to Westinghouse Electric Corp. Devices capable of removing silicon and aluminum from gaseous atmospheres. 4,885,078, 12-5-89, Cl. 204-432.000.
Spengler, Charles W. Clean air facility. 4,804,392, 2-14-89, Cl. 55-356.000.
Spengler, Daniel F., to Deutchcube, Inc. Ice cream carton. 4,801,080, 1-31-89, Cl. 229-125.190.
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Weitkamp, Jens; Neuber, Marita; Holtmann, Wilhelm; Collin, Gerd; and Spengler, Hans, 4,795,847, Cl. 585-467.000.
Spengler, Reinhard: *See—*
Goertz, Hans-Helmut; Klimesch, Roger G.; Laemmerhirt, Klaus; Lang, Siegfried; Sanner, Axel; and Spengler, Reinhard, 4,801,460, Cl. 424-465.000.
Spenke, Eberhard; and Stoisiek, Michael, to Siemens Aktiengesellschaft. Disconnectable thyristor. 4,884,114, 11-28-89, Cl. 357-38.000.
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Henze, Richard H.; McConica, Charles H.; Clifford, George; and Spenner, Bruce F., 4,796,136, Cl. 360-132.000.

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  Disselkoen, Allen D., Jr.; Gargiulo, Robert F.; Haywood, James E.; Heise, Keith H.; Holcomb, Darrell H.; Kramer, Stuart C.; Miller, Gregory R.; Nicholson, Jeffrey S.; Olinger, Jeffrey J.; and Spenny, Curtis H., 4,877,202, Cl. 244-122.00A.
Spenny, William E.: *See—*
  Kosmo, Joseph J.; Tri, Terry O.; Spenny, William E.; and West, Philip R., 4,887,749, Cl. 223-111.000.
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Spera, Vittorio. Hand railing assembly. 4,805,879, 2-21-89, Cl. 256-65.000.
Speransky, Genrikh A.: *See—*
  Polyakov, Arkady V.; and Speransky, Genrikh A., 4,825,698, Cl. 73-649.000.
Speranza, Donald, to Eaton Corporation. Amt off-highway downshift logic. 4,852,006, 7-25-89, Cl. 364-424.100.
Speranza, Donald: *See—*
  Cote, William F.; and Speranza, Donald, 4,849,899, Cl. 364-424.010.
Speranza, George P.; and Lin, Jiang-Jen, to Texaco Inc. High molecular weight polyalkoxyamide, urea or urethane-containing piperidine radical. 4,847,380, 7-11-89, Cl. 546-190.000.
Speranza, George P.; Brennan, Michael E.; and Lin, Jiang-Jen, to ARCO Chemical Technology, Inc. Alkoxylated ethylene glycol diamine bottoms products for rigid urethane foams. 4,885,390, 12-5-89, Cl. 564-475.000.
Speranza, George P.: *See—*
  Alexander, David C.; and Speranza, George P., 4,826,995, Cl. 548-521.000.
  Larkin, John M.; and Speranza, George P., 4,827,038, Cl. 564-505.000.
  Larkin, John M.; and Speranza, George P., 4,847,417, Cl. 564-475.000.
  Lin, Jiang-Jen; and Speranza, George P., 4,886,867, Cl. 528-111.000.
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  Naylor, Carter G.; Lin, Jiang-Jen; and Speranza, George P., 4,828,757, Cl. 252-544.000.
  Nieh, Edward C. Y.; Lin, Jiang-Jen; and Speranza, George P., 4,795,581, Cl. 252-77.000.
  Zimmerman, Robert L.; Waddill, Harold G., and Speranza, George P., 4,826,930, Cl. 525-504.000.
Speraw, Floyd G., to NCR Corporation. Appartaus for coupling together two cabinets or the like. 4,826,263, 5-2-89, Cl. 312-111.000.
Speraw, Floyd G., to NCR Corporation. Circuit board separation device. 4,867,695, 9-19-89, Cl. 439-152.000.
Sperber, Franz: *See—*
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Sperduti, Bernard D.; and Cerankowski, James A., to HiTech Robotics Ltd. Zoning conveyor. 4,798,282, 1-17-89, Cl. 198-781.000.
Sperka, Adolf; and Kemmerling, Wolfgang, to Niro-Plan AG. Kitchen sink unit with refuse disposal opening. 4,813,087, 3-21-89, Cl. 4-629.000.
Sperl, George T.; and Cruze, John A., to Phillips Petroleum Company. Novel backteria and single cell protein production therewith. 4,795,708, 1-3-89, Cl. 435-246.000.
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  Cregg, James M.; and Sperl, George T., 4,818,700, Cl. 435-252.330.
  Stroman, David W.; Cregg, James M.; Harpold, Michael M.; and Sperl, George T., 4,879,231, Cl. 435-172.300.
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Sperotto Rimar S.p.A.: *See—*
  Vecchia, Gino D., 4,835,880, Cl. 34-115.000.
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Sperry, Charles R. Inhalation device. 4,852,561, 8-1-89, Cl. 128-200.230.
Sperry, Jay F.: *See—*
  Nelson, Wilfred H.; Dalterio, Richard A.; and Sperry, Jay F., 4,847,198, Cl. 435-34.000.
Sperry, John A.; and Balfour, Ross A. Water-soluble photoinitiators. 4,824,765, 4-25-89, Cl. 430-281.000.
Sperry Marine Inc.: *See—*
  Baginski, Mark J., 4,862,458, Cl. 371-15.000.
  Bean, Donald E.; and Coleman, Billy M., 4,890,105, Cl. 341-116.000.

  Cornett, Johnny A.; and Corbett, James D., 4,845,500, Cl. 342-90.000.
  Gerdt, David W., 4,879,454, Cl. 219-494.000.
  Gilligan, Lawrence H.; and Gerdt, David W., 4,882,481, Cl. 250-213.0VT.
  Halsey, James D.; and Gasser, Ernest S., 4,806,933, Cl. 342-91.000.
  Riggs, Robert F.; Gilligan, Lawrence H.; and Halsey, James D., 4,822,991, Cl. 250-211.00J.
  Wesner, Charles R., 4,799,163, Cl. 364-457.000.
  Woolfolk, Thomas M., 4,872,057, Cl. 358-211.000.
Spery, Nanette S. Receptive condom. 4,805,604, 2-21-89, Cl. 128-79.000.
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  Matros, Jury S.; Chumachenko, Viktor A.; Zudilina, Ljudmila J.; Noskov, Alexandr S.; and Bugdan, Evgeny S., 4,877,592, Cl. 423-245.100.
Spetsialnoe Konstruktorskoe Bjuro Gidroimpulsnoi Tekniki Sibirskogo Otdelenia Akademii Nauk SSSR: *See—*
  Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.
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  Fadeev, Petr Y.; Fadeev, Vladimir Y.; Korobkov, Vladeen V.; Kulagin, Rim A.; and Ermilov, Nikolai P., 4,819,542, Cl. 91-172.000.
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  Ivcnenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.
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  Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,836,130, Cl. 118-76.000.
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Spevak, Richard; Lattin, Gary A.; and Jevne, Allan H., to Medtronic, Inc. Apparatus and method for iontophoretic drug delivery. 4,820,263, 4-11-89, Cl. 604-20.000.
Spicciati, Frank A.: *See—*
  Fraenkel, Howard A.; Davenport, Karen A.; and Spicciati, Frank A., 4,803,097, Cl. 427-307.000.
Spicer, Andrew I. Punch presses. 4,823,658, 4-25-89, Cl. 83-74.000.
Spicer, Denis F., to Texas Instruments Incorporated. Electron beam testing of integrated circuits. 4,801,879, 1-31-89, Cl. 324-158.00R.
Spicer, Jay: *See—*
  Baranczuk, Richard J.; Spicer, Jay; Duncan, William P.; and Rotert, Gary A., 4,855,125, Cl. 424-1.100.
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Spicer, Robert J.: *See—*
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Spidell, Gilbert. Changeable sign letter support for marquee signs. 4,819,356, 4-11-89, Cl. 40-618.000.
Spidem S.r.L.: *See—*
  Muttoni, Mario, 4,882,982, Cl. 99-295.000.
Spie-Batignolles: *See—*
  Chanvin, Jean-Louis; Cote, Anselme; and Menou, Georges, 4,847,894, Cl. 379-104.000.
Spiece, Rickey J., to Bell & Howell Company. Interactive training method and system. 4,798,543, 1-17-89, Cl. 434-323.000.
Spiegel, Alan M., to Temco Home Health Care Products, Inc. Commode chair with pail and seat support. 4,823,412, 4-25-89, Cl. 4-483.000.
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Spiegel, Bernt: *See—*
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Spiegel, Carol A., to Wisconsin Alumni Research Foundation. Selective growth medium for isolation of Mobiluncus from vaginal fluid. 4,837,154, 6-6-89, Cl. 435-253.600.
Spiegel, Nikolaus; Krestyn, Karlheinz; and Blaser, Theobald, to Heidelberger Druckmaschinen AG. Device for measuring paper or the like lying on a support. 4,879,513, 11-7-89, Cl. 324-207.000.
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  Becker, Rainer; Eckhardt, Heinz; Fischer, Rolf; Spiegler, Wolfgang; and Vagt, Uwe, 4,837,346, Cl. 549-425.000.
  Hamprecht, Gerhard; Theobald, Hans; Spiegler, Wolfgang; Richarz, Winfried; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,829,072, Cl. 514-314.000.
  Keil, Michael; Spiegler, Wolfgang; Jahn, Dieter; Kolassa, Dieter; Schirmer, Ulrich; Wuerzer, Bruno; Meyer, Norbert; Rademacher, Wilhelm; and Jung, Johann, 4,867,784, Cl. 71-98.000.
  Rentzea, Costin; Spiegler, Wolfgang; Himmele, Walter; Ammermann, Eberhard; and Pommer, Ernst-Heinrich, 4,835,171, Cl. 514-383.000.
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  Gasper, Bertram; Neuschaffer, Karlheinz; and Spielau, Paul, 4,870,045, Cl. 502-232.000.
  Klaar, Karlo; Spielau, Paul; and Kuhnel, Werner, 4,833,005, Cl. 428-224.000.
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Spielman, Daniel A. Device for monitoring relative point of impact of an object in flight proximal a reference line on a surface. 4,814,986, 3-21-89, Cl. 364-410.000.
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Spielvogel, Bernard F.; McPhail, Andrew T.; and Hall, Iris H., to United States of America, Army. Pharmacological active amine-carboxyboranes. 4,855,493, 8-8-89, Cl. 562-575.000.
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Spies, Brian R., to Atlantic Richfield Company. Method of reducing noise in electromagnetic geophysical exploration data. 4,837,514, 6-6-89, Cl. 324-336.000.
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Spies, Henry J: *See—*
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Spijkerman, Johannes B. J.: *See—*
  Malpas, Richard E.; Jansen, Gerardus J. C. M.; Honders, Anthonie; and Spijkerman, Johannes B. J., 4,824,541, Cl. 204-222.000.
Spikker, Gerhardus J.: *See—*
  Schimmel, Petrus J. C.; and Spikker, Gerhardus J., 4,835,848, Cl. 29-24.500.
Spilde, Rodney L. Emergency ventilation system. 4,832,260, 5-23-89, Cl. 236-49.400.
Spilke, Howard: *See—*
  Leblang, David B.; McLean, Gordon, Jr.; Spilke, Howard; and Chase, Robert P., Jr., 4,809,170, Cl. 364-200.000.
Spilker, Harry, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. System for singularizing fuel rods in a fuel element. 4,857,262, 8-15-89, Cl. 376-261.000.
Spillane, Robert T.; Wyrick, Charles A.; Scheller, Holger; and Duval, Paul A., to Guilford Mills, Inc. Warp knitted fabric with satin-like back and brushable face and method of knitting same. 4,881,383, 11-21-89, Cl. 66-194.000.
Spillar, Robert J., to Tulsa Power Products, Inc. Reel lifting device. 4,838,595, 6-13-89, Cl. 294-90.000.
Spiller, Gerhard, to Preh, Elektrofeinmechanische Werke, Jakob Preh, Nachf. GmbH & Co. Variable resistor. 4,816,801, 3-28-89, Cl. 338-163.000.
Spillert, Charles R.; Suval, William A.; and Lazaro, Eric J., to University of Medicine and Dentistry of New Jersey. Method for determining the existance and/or the monitoring of a pathological condition in a mammal. 4,814,247, 3-21-89, Cl. 436-69.000.
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Spillman, William B., Jr., to Simmonds Precision Products, Inc. Polarimetric optical frequency domain distributed strain sensor and method. 4,840,481, 6-20-89, Cl. 356-32.000.
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Spillman, William B., Jr.; Rudd, Robert E., III; Ellinger, Sylvester M.; Patriquin, Douglas R.; and Kline, Bruce R., to Simmonds Precision Products, Inc. Optical shaft angular and torsional displacement and speed sensing system. 4,874,245, 10-17-89, Cl. 356-364.000.
Spillman, William B., Jr., to Simmonds Precision Products, Inc. Optical displacement sensor with a multi-period grating. 4,874,941, 10-17-89, Cl. 250-237.00G.

Spilman, Raymond; Krapowicz, Jacob; and Fowler, Alvin, to Cosco, Inc. Child swing with upstanding members in abutting relationship. 4,807,872, 2-28-89, Cl. 272-86.000.
Spilman, Raymond: *See—*
  Moore, Donald L.; Spilman, Raymond; and Pendleton, Thomas, 4,844,566, Cl. 312-108.000.
Spina, Gary A. Animal cage. 4,869,206, 9-26-89, Cl. 119-17.000.
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  Canevazzi, Giuliano; and Spina, Paul, 4,887,988, Cl. 445-37.000.
Spindler, Paul M.: *See—*
  Ziemer, James N.; and Spindler, Paul M., 4,822,476, Cl. 208-59.000.
Spindley, Harold L.: *See—*
  Lewis, Colin B.; and Spindley, Harold L., 4,825,340, Cl. 361-397.000.
Spindt, Charles A.; and Holland, Christopher E., to SRI International. Matrix-addressed flat panel display. 4,857,799, 8-15-89, Cl. 313-495.000.
Spindt, Charles A., to SRI International. Automatically focusing field emission electrode. 4,874,981, 10-17-89, Cl. 313-309.000.
Spindt, Christopher J.: *See—*
  Madou, Marc; Sher, Arden; and Spindt, Christopher J., 4,795,968, Cl. 324-61.00R.
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  Halasz, Andrew; Spinelli, Giuseppe; and Doolittle, David H., 4,878,950, Cl. 106-273.100.
  MacDonald, Peter G.; Spinelli, Giuseppe; and Kandalgaonkar, Jayant B., 4,848,057, Cl. 52-518.000.
Spinelli, Harry J., to Du Pont de Nemours, E. I., and Company. Acrylic star polymers containing single- and multi-functional monomers in the core, made by group transfer polymerization. 4,810,756, 3-7-89, Cl. 525-293.000.
Spinelli, Harry J.: *See—*
  Hutchins, Clyde S.; and Spinelli, Harry J., 4,847,328, Cl. 525-107.000.
  Hutchins, Clyde S.; and Spinelli, Harry J., 4,851,477, Cl. 525-123.000.
Spinelli, Louis A.; and Jenniges, Jeffrey M., to Nabisco Brands, Inc. Method of machining doughy material. 4,849,234, 7-18-89, Cl. 426-231.000.
Spinelli, Louis A.; and Jenniges, Jeffrey M., to Nabisco Brands, Inc. Apparatus of machining doughy material. 4,880,371, 11-14-89, Cl. 425-135.000.
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  Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; Tofanetti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A., 4,849,437, Cl. 514-365.000.
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella, Sergio, 4,798,898, Cl. 548-146.000.
  Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; and Tognella, Sergio, 4,839,348, Cl. 514-89.000.
  Gandolfi, Carmelo A.; Frigerio, Marco; Spinelli, Silvano; Tofanetti, Odoardo; Menta, Ernesto; and Tognella, Sergio, 4,845,113, Cl. 514-356.000.
  Gandolfi, Carmelo A.; Spinelli, Silvano; Tofanetti, Odoardo; Russo, Raimondo; and Tognella, Sergio, 4,857,643, Cl. 544-121.000.
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Spink, Donald R.; and Stein, Jerry Y., to University of Waterloo. Recovery of zinc values from zinc and iron-bearing sulfide materials. 4,889,694, 12-26-89, Cl. 423-110.000.
Spink, Donald R.: *See—*
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Spink, Kenneth M.: *See—*
  Lemons, Thomas M.; and Spink, Kenneth M., 4,864,476, Cl. 362-348.000.
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  Payre, Didier; Crozat, Georges; and Spinner, Bernard, 4,873,842, Cl. 62-480.000.
Spinner, Georg; and Pitschi, Franz-Xaver, to Spinner GmbH, Elektrotechnische Fabrik. Coaxial-line connector. 4,808,124, 2-28-89, Cl. 439-578.000.
Spinner, Georg; and Appel, Werner, to Spinner GmbH, Elektrotechnische Fabrik. Sealed cable connector. 4,810,832, 3-7-89, Cl. 174-65.0SS.
Spinner, Georg. Connector for a coaxial line with corrugated outer conductor or a corrugated waveguide tube. 4,824,400, 4-25-89, Cl. 439-578.000.
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Spinner, Georg. Transmitter/antenna plug-in board. 4,847,576, 7-11-89, Cl. 333-260.000.
Spinner, Georg. Waveguide twist. 4,875,027, 10-17-89, Cl. 333-254.000.
Spinner, Georg. Connecting element for waveguides. 4,879,534, 11-7-89, Cl. 333-257.000.
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Spinner, Georg. Transmitter/antenna bay. 4,884,046, 11-28-89, Cl. 333-260.000.
Spinner, Georg: *See—*
  Pitschi, Franz-Xaver; and Spinner, Georg, 4,829,271, Cl. 333-105.000.
Spinner GmbH, Elektrotechnische Fabrik: *See—*
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  Pitschi, Franz-Xaver; and Spinner, Georg, 4,829,271, Cl. 333-105.000.
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Spinner, Raphael F.; Marley, Clement F.; Brown, Mary; and Grant, Cathy, to Marley, Clement F. Steel knot for ropes. 4,872,240, 10-10-89, Cl. 16-114.00B.
Spinner, Samuel: *See—*
  Bernstein, Joel; and Spinner, Samuel, 4,797,684, Cl. 343-895.000.
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  Gilhaus, Konrad F., 4,829,758, Cl. 57-22.000.
Spinney, Mark A.: *See—*
  Tapolczay, David J.; and Spinney, Mark A., 4,857,551, Cl. 514-532.000.
Spinney, Trevor: *See—*
  Lencki, Robert W. J.; Neufeld, Ronald J.; and Spinney, Trevor, 4,822,534, Cl. 264-4.300.
Spinnler, Fritz: *See—*
  El-Nashar, Ibrahim; Jaussi, Francois; Kirchhofer, Hubert; Komauer, Christian; Mayer, Andreas; Perevuznik, Josef; and Spinnler, Fritz, 4,796,595, Cl. 123-559.200.
  Perevuznik, Josef; Spinnler, Fritz; and Weber, Jurg, 4,883,413, Cl. 418-55.000.
Spinnler, Ralph F., to Teleco Oilfield Services Inc. Centrifugal debris catcher. 4,857,175, 8-15-89, Cl. 209-235.000.
Spira, Joel S.: *See—*
  Ference, Jonathan H.; Blonstein, Steven M.; Rowen, Michael J.; Newman, Robert C., Jr.; and Spira, Joel S., 4,797,599, Cl. 315-194.000.
  Graef, John T.; Jacoby, Elliot G.; and Spira, Joel S., 4,835,343, Cl. 174-66.000.
  Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
  Jacoby, Elliot G., Jr.; Mayo, Noel; and Spira, Joel S., 4,833,277, Cl. 174-66.000.
  Luchaco, David G.; Yuhasz, Stephen J.; Hurst, Ian R.; and Spira, Joel S., 4,833,339, Cl. 307-115.000.
Spira, Philip M.: *See—*
  Conklin, Charles C.; Faber, Michael W.; Schachter, David; Spira, Philip M.; Wang, Chi-Wen; and Williams, Paul L., 4,823,328, Cl. 368-47.000.
"Spiral" Autojavito Vallalat: *See—*
  Balina, Istvan; Kokai, Jozsef; Boro , Lajos; and Torba, Lajos, 4,858,451, Cl. 70-202.000.
Spiral Systems, Inc.: *See—*
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Spiratos, Nelu: *See—*
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Spirax Sarco Limited: *See—*
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Spire Corporation: *See—*
  Bunker, Stephen N.; and Sioshansi, Piran, 4,872,922, Cl. 148-4.000.
  Sioshansi, Piran, 4,855,026, Cl. 204-192.110.
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  Baumann, Heinz, 4,888,835, Cl. 4-609.000.
Spires, Randall C.: *See—*
  Brandao, Ruy L.; Kyriakos, Constantinos S.; Spires, Randall C.; and Jugs, Andrejs, 4,855,748, Cl. 342-455.000.
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Spirk, John W.; Nottingham, John R.; and Kalman, Jeffrey M., to G & S Metal Product Company, Inc. Soft ice cream dispenser. 4,796,784, 1-10-89, Cl. 222-80.000.
Spirkovitch, Serge: *See—*
  Pierre, Andre; Batlleu, Francois; Brosselard, Jean-Pierre; Pormy, Alfred; Pirot, Francois-Xavier; and Spirkovitch, Serge, 4,873,868, Cl. 73-517.00R.
Spiro America Inc.: *See—*
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  Stearns, Ralph A., 4,872,603, Cl. 227-97.000.
Spisak, John A.: *See—*
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Spissinger, Friederich H.: *See—*
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Spiteri, Joseph. Heavy duty flasher. 4,876,526, 10-24-89, Cl. 340-471.000.
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  Andermann, Guy; Spittler, Joseph; Zilliox, Patricia; and Mergel, Dominique, 4,880,601, Cl. 422-28.000.
Spitz, Melvin P. Wall bed with collapsible table. 4,809,371, 3-7-89, Cl. 5-2.00R.
Spitz, Richard: *See—*
  Bohm, Herbert; Gademann, Lothar; and Spitz, Richard, 4,835,427, Cl. 310-68.00D.
Spitz, Russell W. Rigid lightweight fluorescent fixture. 4,814,954, 3-21-89, Cl. 362-217.000.
Spitz, Russell W. Fluorescent lighting apparatus. 4,855,883, 8-8-89, Cl. 362-260.000.
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  Denkmann, W. John; Drexler, Leonard H.; Guelden, Ronald H.; and Spitz, William T., 4,865,564, Cl. 439-404.000.
Spitzberg, Larry A. Bioptic periscope and method. 4,795,235, 1-3-89, Cl. 350-145.000.
Spitzer, Charles M.; and Siegel, Paul F., to A-Bee Syndicate, Inc. Rolling drawer. 4,874,209, 10-17-89, Cl. 312-250.000.
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  Osipow, Lloyd I.; Marra, Dorothea C.; and Spitzer, J. George, 4,832,945, Cl. 424-65.000.
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Spitzmesser, Donovan J.: *See—*
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Spivack, John D.; Ravichandran, Ramanathan; and Pastor, Stephen D., to Ciba-Geigy Corporation. Substituted (4-hydroxyphenylthioalkyl) derivatives. 4,808,644, 2-28-89, Cl. 524-94.000.
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  Ravichandran, Ramanathan; and Spivack, John D., 4,808,645, Cl. 524-99.000.
Spivack, Mayer: *See—*
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  Spivey, James R.; and Dee, William J., 4,880,326, Cl. 401-123.000.
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Spivey, Brett A.; Neff, Brian W.; and Dunn, Murray R. Wide field optical system. 4,883,3 8, 11-28-89, Cl. 350-503.000.
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  Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,886,050, Cl. 128-25.00R.
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Spohr, Reimar; Pfeng, Enrique; Burckner, Dieter; and Popp, Thomas, to Gesellschaft fur Schwerionenforschung mbH. Diffusion plate having predetermined divergence angle. 4,826,292, 5-2-89, Cl. 350-321.000.
Spoltman, Mark W.; Bowerman, Richard D.; and Edinger, Richard L., to Hartzell Propeller Inc. Composite aircraft propeller blade. 4,810,167, 3-7-89, Cl. 416-229.00A.
Spona, Franz: *See—*
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  Graf, Gunter; Gross, Heinz; and Sponagel, Stefan, 4,861,536, Cl. 264-108.000.
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  Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,851,406, Cl. 514-212.000.
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Sponer, Richard A. Dispenser apparatus for a solid particulate material and a fluid. 4,801,465, 1-31-89, Cl. 426-116.000.
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  - Ninnis, Ronald M.; Kleinschmidt, Alfred; Furseth, Donald A.; Rogers, Peter T.; Moen, Vernon A.; Chan, Francis M.; Crenshaw, Mary M.; Bodegom, Volker J.; Scherf, Stephen A.; Logan, Donald R.; Hill, Steven; and Abraham, Mark F., 4,844,577, Cl. 350-96.290.
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  - Hagen, Klaus; and Spotka, Rudolf, 4,844,630, Cl. 400-54.000.
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- Spotnitz, Robert M.: *See—*
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  - Dain, Lester C.; and Rubin, Steven A., 4,802,064, Cl. 361-519.000.
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  - Maher, Galeb H., 4,882,651, Cl. 361-321.000.
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- Sprague, Michael J.: *See—*
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  - McKiernan, Edward F.; Sigler, James; Sprang, Richard; Lewellen, Richard; and Geis, Mark, 4,854,827, Cl. 417-313.000.
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  - Fisher, David F.; and Sprankle, David A., 4,795,997, Cl. 337-380.000.
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- Sprecher, Melvin R. Can opening tool. 4,869,134, 9-26-89, Cl. 81-3.090.
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  - Walz, Gerd; Honel, Michael; Brindopke, Gerhard; Sprenger, Walter; Finke, Manfred; and Lenz, Rudiger, 4,808,658, Cl. 524-591.000.
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- Spring, Harold G.: *See—*
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- Spring Valley Associates, Inc.: *See—*
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  - Springer, Lamar D.; and Springer, Larry D., 4,885,655, Cl. 361-30.000.
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  - Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., 4,818,739, Cl. 502-67.000.
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  - Pellet, Regis J.; Coughlin, Peter K.; Springer, Albert R.; and Gajek, Richard T., 4,861,739, Cl. 502-64.000.
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  - Wuest, Willi; Harth, Hubert; Springer, Dirk; and Foerg, Franz, 4,851,525, Cl. 540-542.000.
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- Springer, Helmut: *See—*
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- Springfield Armory, Inc.: *See—*
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  - Montgomery, Terry G.; and Martin, William G., 4,860,530, Cl. 57-5.000.
  - Porter, Rick A.; and Hoernle, Hans R., 4,806,185, Cl. 156-78.000.
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- Springthorpe, Brian: *See—*
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  - Kraemer, Dieter; Plainer, Hermann; Sproessier, Bruno; Uhlig, Helmut; and Schnee, Reiner, 4,839,419, Cl. 525-54.100.
- Sprogis, Edmund J., to International Business Machines Corporation. Semiconductor defect monitor for diagnosing processing-induced defects. 4,801,869, 1-31-89, Cl. 324-73.00R.
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- Sprothbery, Donald E.: *See—*
  - Ledebuhr, Arno G.; and Sprothbery, Donald E., 4,836,649, Cl. 350-331.00R.
- Sprott, Charles N.: *See—*
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- Sprott, David: *See—*
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- Sproul, Jared S.: *See—*
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- Sproulle, Richard J.: *See—*
  - King, Clive G.; Padilla, John A.; and Sproulle, Richard J., 4,811,887, Cl. 228-2.000.
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  Van Gorkum, Aart A.; Vriens, Leendert; Duwaer, Arne L.; Spruit, Johannes H. M.; and Van Schoonhoven, Alexander R. H., 4,807,014, Cl. 358-65.000.
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  Dogru, Ali H.; and Sprunt, Eve S., 4,868,751, Cl. 364-422.000.
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  Jordens, Ernst-Gunter; and Sprute, Johannes, 4,805,884, Cl. 267-140.100.
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  Kibblewhite, Ian E., 4,846,001, Cl. 73-761.000.
  Kleiser, Charles M.; and Gala, Mahen S., 4,807,498, Cl. 81-56.000.
  LaCroix, Edward, 4,862,718, Cl. 72-88.000.
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  Landt, Richard C., 4,842,463, Cl. 411-188.000.
  Strobel, Burton C., 4,829,804, Cl. 72-391.000.
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  Mumenthaler, Fritz, 4,809,737, Cl. 137-510.000.
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  Brooks, Stanley J., 4,857,896, Cl. 340-639.000.
  Chabot, Ferdinand E., 4,810,213, Cl. 439-825.000.
  Clark, Michael R.; Kuiper, Gerald J.; Monson, Donald B.; and Tringali, Dominick, 4,797,516, Cl. 200-51.00R.
  Curran, Earl J., Jr., 4,833,628, Cl. 364-550.000.
  Cybela, Jeffrey J.; and Reichard, Jerome J., 4,874,960, Cl. 307-64.000.
  Dickens, James W.; and Oster, Clark L., 4,849,589, Cl. 200-146.00R.
  Duncan, William M.; Glass, George E.; Johnson, Jeffrey L.; McMillan, Edward A.; Maney, Frank S.; McConnell, James R., Jr.; Roberts, Kenneth P.; and Sanders, Timothy R., 4,870,863, Cl. 73-431.000.
  Edwards, Stanley H., Jr.; Smith; Simon S., Jr.; and Warren, James B., 4,882,459, Cl. 200-83.00J.
  Kierstead, Bruce E., 4,864,287, Cl. 340-648.000.
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  Orosz, Miklos J., 4,831,347, Cl. 335-8.000.
  Orosz, Miklos J.; Tringali, Dominick; Monson, Donald B.; and Kuiper, Gerald J., 4,839,477, Cl. 200-50.0AA.
  Orosz, Miklos J., 4,843,194, Cl. 200-144.00C.
  Oster, Clark L.; Rustebakke, Paul; and Schiefen, Daniel R., 4,862,131, Cl. 337-48.000.
  Profio, Mark V., 4,858,053, Cl. 361-23.000.
  Reed, Ryan T.; and Curran, Earl J., Jr., 4,823,276, Cl. 361-85.000.
  Roof, Richard W.; and Horne, G. Marshall, 4,843,533, Cl. 363-55.000.
  Schiefen, Daniel R.; and Winter, John M., 4,829,147, Cl. 200-17.00R.
  Schmiedel, James P.; and Moye, Lawrence D., 4,820,205, Cl. 439-733.000.
  Schmiedel, James P.; and Moye, Lawrence D., 4,834,680, Cl. 439-733.000.
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  Slicer, Allan E., 4,820,177, Cl. 439-207.000.
  Slicer, Allan E., 4,866,216, Cl. 174-71.00B.
  Stewart, David G., 4,878,729, Cl. 350-96.180.
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  Wojtak, Roger C.; Hoelzer, John S.; and Libert, James T., 4,802,053, Cl. 361-85.000.
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Squier, Donald M. Movable vehicular engine support. 4,846,451, 7-11-89, Cl. 269-17.000.
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  Clearman, Jack F.; Furin, Olivia P.; Chiou, Joseph J.; and Squires, William C., 4,881,556, Cl. 131-359.000.
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Srebny, Hans-Gunther: *See—*
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  Acton, Edward M.; and Tong, George L., 4,826,964, Cl. 536-6.400.
  Blum, Yigal D.; and Laine, Richard M., 4,801,439, Cl. 423-284.000.
  Brodie, Ivor; and Thackray, Malcolm, 4,818,649, Cl. 430-21.000.
  Brodie, Ivor, 4,818,914, Cl. 315-169.300.
  Colwell, William T.; and DeGraw, Joseph I., 4,818,753, Cl. 514-155.000.
  Cotts, David B., 4,832,869, Cl. 252-500.000.
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  Laine, Richard M., 4,826,666, Cl. 423-249.000.
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  Madou, Marc J.; and Otagawa, Takaaki, 4,812,221, Cl. 204-412.000.
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  Madou, Marc J.; and Otagawa, Takaaki, 4,874,500, Cl. 204-412.000.
  Quinlan, Michael A.; Ramanathan, Ramamurthy; and Wise, Henry, 4,812,300, Cl. 423-404.000.
  Sanjurjo, Angel; and Pressacco, Sylvia, 4,828,814, Cl. 423-348.000.
  Spindt, Charles A.; and Holland, Christopher E., 4,857,799, Cl. 313-495.000.
  Spindt, Charles A., 4,874,981, Cl. 313-309.000.
  Thomas, Gareth; Johnson, Sylvia M.; and Dinger, Timothy R., 4,830,800, Cl. 264-65.000.
  Weaver, Charles S., 4,802,222, Cl. 381-35.000.
  Weaver, Charles S.; and Chittenden, Constance T., 4,819,654, Cl. 128-680.000.
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  Auyer, Richard A.; Buccellato, Robert J.; Petrick, Ernest N.; and Sridharan, Needangalam S., 4,835,033, Cl. 428-131.000.
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Srinivasan, Vadake R.; and Monceaux, Wilbur, to Micro Pure Systems, Inc. Anaerobic digestion process, and forced fed fast rate digester. 4,885,094, 12-5-89, Cl. 210-610.000.
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Srisathapat, Chalirmkiert. Dispenser. 4,821,929, 4-18-89, Cl. 222-367.000.
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  Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., 4,846,928, Cl. 156-626.000.
  Flinchbaugh, Bruce E.; Dolins, Steven B.; Srivastava, Aditya; and Reese, Jon, 4,861,419, Cl. 156-626.000.
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  Field, Lamar; Musallam, Hikmat A.; Macke, Jeffrey D.; and Srivastava, Pramod K., 4,883,890, Cl. 558-61.000.
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  Middleton, David B.; Srivatsan, Raghavachari; and Person, Lee H., 4,843,554, Cl. 364-427.000.
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  Eger, Georg; and Srock, Rainer, 4,797,971, Cl. 16-82.000.
  Kamke, Reinhard; Bartels, Hermann A.; Heseler, Horst; Srock, Rainer; and Eger, Georg, 4,843,849, Cl. 70-264.000.
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  Spigarelli, Donald J.; and Drislane, William F., 4,832,250, Cl. 228-102.000.
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  Johnson, Charles B.; Box, Jeffrey L.; and Hildebrand, David B., 4,799,216, Cl. 370-67.000.
SS Pharmaceutical Co., Ltd.: *See—*
  Hasegawa, Hiroshi; Shioiri, Noriaki; Narita, Tadashi; and Katori, Tatsuhiko, 4,876,359, Cl. 548-533.000.
  Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.
  Sato, Susumu; Honda, Haruyoshi; Koumoto, Teruo; Isomae, Kuzuo; Kuraishi, Tadayuki; and Katori, Tatsuhiko, 4,866,176, Cl. 544-262.000.
  Shibata, Akihiro; Matsuda, Hideaki; Kohya, Hidehiko; and Katori, Tatsuhiko, 4,814,436, Cl. 536-17.100.
  Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, 4,849,512, Cl. 536-4.100.
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  Titus, Joseph S.; Wang, Dexter; and Graham, Harold A., 4,859,080, Cl. 374-134.000.
SSI Medical Services, Inc.: *See—*
  Goodwin, Vernon L., 4,798,227, Cl. 137-554.000.
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  Paul, Patrick R. D.; Price, James H.; and Olshansky, Kenneth, 4,796,948, Cl. 297-284.000.
SSMC Inc.: *See—*
  Adams, Kenneth D., 4,873,932, Cl. 112-443.000.
  Brown, John; and Wurst, John W., 4,815,406, Cl. 112-447.000.
  Garron, Stephen A.; and Wurst, John N., 4,825,789, Cl. 112-278.000.
  Jelinek, Vaclav, 4,886,006, Cl. 112-313.000.
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  Klainer, Stanley M., 4,846,548, Cl. 350-96.290.
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  Severin, Joel C.; Scaglione, Mark W.; Hinds, William S.; and Jusionis, Vytautas J., 4,841,115, Cl. 219-60.00A.
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  Cluett, George, 4,854,259, Cl. 114-285.000.
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  Magladry, Ross E., 4,863,460, Cl. 623-2.000.
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  Agostini, Louis P. C.; and Denis, Philippe V., 4,833,552, Cl. 360-92.000.
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  Suriano, John R.; Staarmann, Patrick J.; Tracht, Steven L.; and Mueller, Dennis L., 4,843,286, Cl. 318-443.000.
Staas, Ernst: *See—*
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  Baken, Nicolaius H. G., 4,867,516, Cl. 350-96.140.
Staat Der Nederlanden (Staatsbedrijf Der Posterijen, Telegrafie En Telefonie): *See—*
  Griffioen, Willem; and De Jong, Cornelis L., 4,850,569, Cl. 254-134.400.
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  Harvey, David H. C.; and Menelaus, Ian G., 4,798,263, Cl. 182-107.000.
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  - Fuhrmann, Castor; Hosan, Hans-Josef; Knopp, Axel; and Wurges, Gerd, 4,830,432, Cl. 297-304.000.
  - Hosan, Hans-Josef; and Poertzgen, Gregor, 4,848,524, Cl. 188-322.170.
  - Wildemann, Willi; Morgen, Helmut; Fuhrmann, Castor; Siemann, Martin; Kessler, Jurgen; and Freitag, Herbert, 4,867,317, Cl. 267-64.120.
- Stabinger, Hans: *See—*
  - Leopold, Hans; and Stabinger, Hans, 4,838,084, Cl. 73-32.00A.
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- Stable, Helmut: *See—*
  - Bomann, Werner; Esser, Franz; Hamel, Ulrich; and Stable, Helmut, 4,853,402, Cl. 514-401.000.
- Stabler, Gerhard, to Santrade Ltd. Fluid seal for moving belts. 4,799,424, 1-24-89, Cl. 100-154.000.
- Stabler, Gerhard, to Opti Patent-, Forschungsund Fabrikations-AG. Apparatus for mounting metal beginning pieces on a continuous slide fastener chain. 4,815,205, 3-28-89, Cl. 29-767.000.
- Stace, Christopher: *See—*
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- Stacey, Eric J., to Westinghouse Electric Corp. Simplified quasi-harmonic neutralized high power inverters. 4,870,557, 9-26-89, Cl. 363-43.000.
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- Stacey, Martyn H.: *See—*
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- Stacey, Roger R.: *See—*
  - Kelly, Francis P.; Gibbens, Richard J.; Key. Peter B.; Turton, Paul A.; Stacey, Roger R.; and Whitehead, Martin J., 4,862,496, Cl. 379-221.000.
- Stacey, Steven C.: *See—*
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- Stach, Wolfgang: *See—*
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  - Stackhouse, Wyman H.; and Williamson, Ian M., 4,810,269, Cl. 55-267.000.
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  - Sundelin, Kurt G. R.; Salanitro, Joseph P.; and Stackhouse, Susan, 4,803,209, Cl. 514-249.000.
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  - Engle, George M., 4,873,942, Cl. 118-728.000.
- Stacos di Saulle Lorenzo e Pontarollo Luciana s.n.c.: *See—*
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  - Gendron, Robert F.; Stacy, E. Webb, Jr.; and Ionescu, Tudor V., 4,860,204, Cl. 364-300.000.
- Stacy, John E.: *See—*
  - Meinel, Aden B.; Meinel, Marjorie P.; and Stacy, John E. 4,836,666, Cl. 350-504.000.
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  - Peter, Siegfried; Seekamp, Marc; Beneke, Herbert; and Stadelhofer, Jurgen, 4,827,050, Cl. 568-761.000.
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  - Brown, John T., 4,799,731, Cl. 297-192.000.
- Stadler, Brigitte M., heir: *See—*
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  - Lockhoff, Oswald; Hayauchi, Yutaka; Stadler, Peter; Stunkel, Klaus G.; Streissle, Gert; Paessens, Arnold; Klimetzek, Volker; Zeiler, Hans-Joachim; Metzger, Karl G.; Kroll, Hein-Peter; Brunner, Helmut; and Schaller, Klaus, 4,855,283, Cl. 514-8.000.
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  - Donatsch, Peter; Engel, Gunter; Hugi, Bruno; Richardson, Brian P.; Stadler, Paul A., deceased; Stadler, Hildegard R., heir; Stadler, Brigitte M., heir; Stadler, Sigrid A., heir; and Breuleux, Gerald, legal representative, 4,803,199, Cl. 514-214.000.
- Stadler, Vinzenz: *See—*
  - Wolfbauer, Wilhelm; and Stadler, Vinzenz, 4,795,099, Cl. 239-733.000.
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  - Boning, Werner; Wagner, Wolfgang; Gandhi, Sharad; Stadlmeier, Hans; and Schonberger, Franz, 4,811,306, Cl. 364-200.000.
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  - MacNeal, Edward H., Jr.; and Stadtman, Kenneth W., 4,795,957, Cl. 318-568.000.
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  - Dorr, Karl H.; Grimm, Hugo; Neumann, Heinz; Fennemann, Wolfgang; and Ohlms, Norbert, 4,842,835, Cl. 423-242.000.
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  - Schlepfer, Walter; and Staeheli, Christoph, 4,876,769, Cl. 19-105.000.
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  - Flank, Hans P.; and Staehr, Peter R., 4,838,865, Cl. 604-118.000.
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- Staggs, Gregory D.; and Brown, Richard S., to Wintel Service Corporation. Dynamic microphone handset and amplifier unit. 4,845,742, 7-4-89, Cl. 379-155.000.
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  - de Concini, Roberto; and Stagni, Rino, 4,805,575, Cl. 123-468.000.
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  - Zumstein, Bruno; Angehrn, Anton; and Stahel, Beat, 4,831,718, Cl. 29-609.000.
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- Stahlecker, Fritz; and Stahlecker, Gerd, 4,858,275, Cl. 19-97.000.

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- Braxmeier, Hans, 4,807,431, Cl. 57-333.000.
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Stahlecker, Otto: *See—*
- Kieser, Manfred; and Stahlecker, Otto, 4,814,020, Cl. 106-499.000.

Stahlecker, Peter, to American Suessen Corporation. Container comprising cylindrical jacket and lid with closable vent and process for its production. 4,817,815, 4-4-89, Cl. 220-209.000.

Stahler, Deborah L. Window shade assembly. 4,880,045, 11-14-89, Cl. 160-84.100.

Stahlheber, N. Earl; and Lyon, John E., to Monsanto Company. Continuous process for preparing sodium orthophosphate slurries from natural soda ash orthophosphoric acid. 4,853,200, 8-1-89, Cl. 423-309.000.

Stahlhofen, Paul; and Mohr, Dieter, to Hoechst Aktiengesellschaft. Burn-in gumming composition for offset printing plates. 4,885,230, 12-5-89, Cl. 430-309.000.

Stahlhofen, Paul; and Frass, Hans W., to Hoechst Aktiengesellschaft. Photosensitive composition, photosensitive copying material prepared from this composition with thermal hardening symmetric triazine alkyl(aryl)-ether. 4,889,788, 12-26-89, Cl. 430-191.000.

Stahlhofen, Paul, to Hoechst Aktiengesellschaft. Photosensitive composition and photosensitive copying material prepared therefrom wherein composition has a thermal crosslinking urethane formaldehyde condensate. 4,889,789, 12-26-89, Cl. 430-191.000.

Stahlhut, Richard: *See—*
- Reintges, Rolf; and Stahlhut, Richard, 4,828,318, Cl. 296-213.000.

Stahlhuth, Paul H., to Ford Aerospace & Communications Corporation. Double saggital stroke amplifier. 4,808,874, 2-28-89, Cl. 310-328.000.

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- Muller, Gunter; Nagel, Rolf; and Stahli, Jurg, 4,874,812, Cl. 524-712.000.

Stahlwerke Peine-Salzgitter AG: *See—*
- Fasterding, Gunter; and Frenzel, Jurgen, 4,802,623, Cl. 238-44.000.

Stahly, Daniel C., to Eaton Corporation. Thermally responsive valve. 4,804,141, 2-14-89, Cl. 236-100.000.

Stahly, G. Patrick, to Ethyl Corporation. Producing bis(alicyclic) thioethers. 4,798,900, 1-17-89, Cl. 548-461.000.

Stahly, G. Patrick, to Ethyl Corporation. Gem-disubstituted cyclohexadienones and their production. 4,804,772, 2-14-89, Cl. 556-436.000.

Stahly, G. Patrick, to Ethyl Corporation. Production of gem-disubstituted cyclohexadienones. 4,804,773, 2-14-89, Cl. 556-436.000.

Stahly, G. Patrick, to Ethyl Corporation. Production of gem-disubstituted cyclohexadienones. 4,804,774, 2-14-89, Cl. 556-436.000.

Stahly, G. Patrick, to Ethyl Corporation. Process for nucleophilic fluoroalkylation of aldehydes. 4,837,327, 6-6-89, Cl. 546-24.000.

Stahly, G. Patrick, to Ethyl Corporation. Production of gem-disubstituted cyclohexadienones. 4,845,258, 7-4-89, Cl. 556-436.000.

Stahly, G. Patrick, to Ethyl Corporation. Producing bis(alicyclic) thioethers. 4,866,184, 9-12-89, Cl. 548-461.000.

Stahly, G. Patrick, to Ethyl Corporation. Gem-disubstituted cyclohexadienones and their production. 4,871,877, 10-3-89, Cl 568-326.000.

Stahr, Fritz: *See—*
- Grimm, Stefan; Schatzle, Michael; and Stahr, Fritz, 4,797,463, Cl. 528-60.000.

Stahre, Helge. Apparatus for permitting viewing of a large number of entries printed on a sheet leaving a calculating machine. 4,849,612, 7-18-89, Cl. 235-58.0CF.

Stahura, Daniel W.; and Lown, Robert P., to General Motors Corporation. Isotropic rare earth-iron field magnets for magnetic resonance imaging. 4,829,277, 5-9-89, Cl. 335-306.000.

Stahura, Richard P.: *See—*
- Bowman, Michael A.; Goldbeck, Larry J.; Stahura, Richard P.; and Stern, Mark N., 4,825,997, Cl. 198-499.000.

Staiger, Bruno; and Schoch, Klaus, to Steuerungstechnik Staiger GmbH u.Co. Seal. 4,846,698, 7-11-89, Cl. 439-55.000.

Staiger, Helmut: *See—*
- Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.

Staiger, Kenneth G.: *See—*
- Gulya, Thomas G.; Schultz, Gary V.; and Staiger, Kenneth G. 4,830,905, Cl. 428-234.000.

Staiger, Rolf: *See—*
- Hars, Ulrich; Staiger, Rolf; and Westphal, Karl, 4,857,207, Cl. 210-725.000.

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Stainton, John E.: *See—*
- Dunkley, Michael W.; and Stainton, John E., 4,800,360, Cl. 340-52.00R.
- Dunkley, Michael W.; Stainton, John E.; and Dunne, John E. 4,888,577, Cl. 340-461.000.

Stair, Mark T.; and Nelson, Leonard E., to Motorola, Inc. Microcomputer controlled display backlight. 4,868,563, 9-19-89, Cl. 340-825.440.

Stair, Mark T.: *See—*
- DeLuca, Joan S.; Mellone, Charles M.; and Stair, Mark T. 4,870,402, Cl. 340-825.440.

Staiss, Friedrich: *See—*
- Bose, Willibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,110, Cl. 252-341.000.
- Bose, Wlibald; Hofinger, Manfred; Hille, Martin; Bohm, Roland; and Staiss, Friedrich, 4,885,111, Cl. 252-344.000.

Stajcer, Antun, to Com Dev Ltd. Dielectrically stabilized GaAs FET oscillator with two power output terminals. 4,818,956, 4-4-89, Cl. 331-96.000.

Stake-It Company: *See—*
- Rethke, John T., 4,825,575, Cl. 40-610.000.

Stake Technology Ltd.: *See—*
- Kokta, Bohuslav, 4,798,651, Cl. 162-22.000.

Stal Refrigeration AB: *See—*
- Glanvall, Rune, 4,877,380, Cl. 417-310.000.
- Johansson, Yngve, 4,845,954, Cl. 62-66.000.

Stal Samifi S.P.A.: *See—*
- Battistella, Guido, 4,841,881, Cl. 108-91.000.

Stalberg, Ralph I., to Pharmacia AB. Method of supplying buffer solutions to electrophoretic separation procedures. 4,874,49 10-17-89, Cl. 204-182.800.

Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, to Maschinenfabrik Rieter AG. Method and apparatus for monitoring a predetermined yarn quality at a textile machine, especially at a friction spinning apparatus. 4,819,421, 4-11-89, Cl. 57-264.000.

Stalder, Herbert; Egloff, Peter; Binder, Rolf; and Baumgartner, Josef, to Maschinenfabrik Rieter AG. Method and apparatus for monitoring a predetermined yarn quality at a textile machine, especially at a false-twist jet spinning apparatus. 4,821,503, 4-18-89, Cl. 57-264.000.

Stalder, Herbert; Keller, Urs; Oeggerli, Werner; and Briner, Emil, to Maschinenfabrik Rieter AG. Friction spinning drum. 4,848,07 7-18-89, Cl. 57-401.000.

Stalder, Herbert: *See—*
- Briner, Emil; Keller, Urs; and Stalder, Herbert, 4,854,118, Cl. 57-401.000.

Stalder, Kenneth R.: *See—*
- Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.

Staley, Charles M.; and Cornish, Verle E., to Aqua Process, Inc. Method and composition for the removal of ammonium salt and metal compound deposits. 4,880,568, 11-14-89, Cl. 252-548.000.

Staley Continental: *See—*
- Dunn, Larson B., Jr.; Moser, Kenneth B.; and Pai, Panemangalore S., 4,795,675, Cl. 428-260.000.

Staley, Donald K. Impact fastening electrical wire connector. 4,813,883, 3-21-89, Cl. 439-391.000.

Staley Electric Company: *See—*
- Christopher, S. Craig; and Whiting, Donel R., 4,848,384, Cl. 134-57.00R.

Staley, James T.: *See—*
- Brown, Melvin H.; Staley, James T.; Liu, John; and Lee, Sootae, 4,863,528, Cl. 148-12.70A.

Staley, Peter: *See—*
- Rich, David; Staley, Peter; and Coyne, David, 4,796,004, Cl. 341-143.000.
- Rich, David; and Staley, Peter, 4,860,012, Cl. 341-143.000.

Staley, Wayne L., to Audionics, Inc. Sound projection method and apparatus. 4,805,731, 2-21-89, Cl. 181-175.000.

Staley, William L. Undergarment having knitted, reinforced socks. 4,870,708, 10-3-89, Cl. 2-404.000.

Stalker, David M., to Rhone Poulenc Agrochimie. Haloarylnitrile degrading gene, its use, and cells containing the gene. 4,810,648, 3-7-89, Cl. 435-191.000.

Stall, Alan D.; and Watts, Keith A., to Viskase Corporation. Method of making a liquid smoke impregnated shirred casing stick. 4,818,551, 4-4-89, Cl. 426-420.000.

Stall, Richard A.: *See—*
- Schumaker, Norman E.; Stall, Richard A.; Nelson, Craig R.; and Wagner, Wilfried R., 4,838,983, Cl. 156-613.000.

Stallard, Clinton W., III, to Newport News Shipbuilding and Dry Dock Company. Pressure vessel penetration fitting. 4,819,971, 4-11-89, Cl. 285-131.000.

Staller, Joseph M.: *See—*
- Tucker, Robert L.; and Staller, Joseph M., 4,889,590, Cl. 156-647.000.

Stallings Jr., Robert L.; and Wilcox, Floyd J., Jr., to United States of America, National Aeronautics and Space Administration. Passive venting technique for shallow cavities. 4,863,118, 9-5-89, Cl. 244-130.000.

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Stallkamp, Richard W., to Tektronix, Inc. Graphics display system having data transform circuit. 4,827,250, 5-2-89, Cl. 340-727.000.

Stallsworth, Bradley E. Self-centering hitch. 4,854,604, 8-8-89, Cl. 280-477.000.

Stalter, Robert J., to Motor Wheel corporation. Method and apparatus for making a composite wheel. 4,847,030, 7-11-89, Cl. 264-262.000.

Stalter, Robert J., Sr., to Motor Wheel Corporation. Method for molding composite metal-elastomer wheels. 4,861,538, 8-29-89, Cl. 264-161.000.

Stalter, Winfried; and Rehmann, Manfred, to Feodor Burgmann Dichtungswerke GmbH & Co. Dual face seal with radially projecting annular disc. 4,813,689, 3-21-89, Cl. 277-65.000.

Stalzer, Richard B.: *See—*
- Eppig, Christopher P.; Paspek, Stephen C.; and Stalzer, Richard B., 4,885,079, Cl. 208-13.000.
- Paspek, Stephen C., Jr.; Hauser, Jeffrey B.; Eppig, Christopher P.; and Stalzer, Richard B., 4,842,715, Cl. 208-13.000.

Stamato, Thomas D.; and Denko, Nicholas, to Wistar Institute, The. Separation of large DNA molecules in alternating asymmetric electric fields. 4,830,726, 5-16-89, Cl. 204-299.00R.

Stamatoff, James B.: *See—*
- Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.
- Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,828,888, Cl. 428-1.000.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,810,338, Cl. 204-157.880.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,835,235, Cl. 526-311.000.
- De Martino, Ronald N.; Yoon, Hyun-Nam; and Stamatoff, James B., 4,855,376, Cl. 526-311.000.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,868,250, Cl. 525-479.000.
- Leslie, Thomas M.; Yoon, Hyun-Nam; DeMartino, Ronald N.; and Stamatoff, James B., 4,796,976, Cl. 350-330.000.
- Leslie, Thomas M.; Yoon, Hyun N.; DeMartino, Ronald N.; and Stamatoff, James B., 4,882,402, Cl. 526-243.000.

Stambaugh, Clayton S.: *See—*
- Green, Edward A.; and Stambaugh, Clayton S., 4,841,121, Cl. 249-243.000.

Stambouli, Abdelhamid: *See—*
- Chastrette, Francine J.; and Stambouli, Abdelhamid, 4,851,577, Cl. 564-208.000.

Stamer, Hans. Process for manufacturing storable fruit preparations containing whole fruits. 4,880,648, 11-14-89, Cl. 426-241.000.

Stamer, Michael E.; and George, Henry F., to A. B. Dick Company. Flow rate control system. 4,827,280, 5-2-89, Cl. 349-1.100.

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- Baenens, Victor E. A., 4,801,746, Cl. 564-70.000.
- Bakker, Reinier G., 4,885,342, Cl. 525-230.000.
- Bastiaansen, Cornelis W. M.; Lemstra, Pieter J.; and Van Unen, Lambert H. T., 4,888,141, Cl. 264-22.000.
- Beekman, Arie W., 4,856,833, Cl. 293-120.000.
- Boesten, Wilhelmus H. J.; and Peters, Peter J. H., 4,812,403, Cl. 435-115.000.
- Boesten, Wilhelmus H. J.; and Dassen, Bernardus H. N., 4,831,181, Cl. 560-41.000.
- Boesten, Wilhelmus H. J.; Schoemaker, Hans E.; and Dassen, Bernardus H. N., 4,847,412, Cl. 564-164.000.
- Burlet, Rudolf J. H.; and Tabor, Lambertus M. J., 4,830,699, Cl. 156-344.000.
- Coosemans, Luc M. C.; and van den Bosch, Frans J. P. G., 4,826,794, Cl. 502-110.000.
- Duyzings, Wilhelmus G.; and Van Lumig, Lambert, 4,871,802, Cl. 525-84.000.
- Gaymans, Reinoud J., 4,868,280, Cl. 528-339.000.
- Isaacs, Neil S.; and Hill, Jonathan, 4,820,858, Cl. 558-372.000.
- Jonckers, Kees, 4,801,747, Cl. 564-72.000.
- Jonckers, Kees; and Burks, Henk C., 4,866,207, Cl. 564-73.000.
- Kerkhoffs, Pieter L.; and Boesten, Wilhelmus H. J., 4,880,737, Cl. 435-106.000.
- Meessen, Jozef H.; and Sipkema, Rudolf, 4,801,745, Cl. 564-70.000.
- Mitiakoudis, Anastassios; and Gandini, Alessandro, 4,806,623, Cl. 528-341.000.
- Mokveld, Floribertus C. H.; and Schellekens, Ronald M. A. M., 4,812,277, Cl. 264-185.000.
- Peerlkamp, Erik R., 4,853,282, Cl. 428-323.000.
- Peerlkamp, Erik R.; and Gijsman, Pieter, 4,876,301, Cl. 524-255.000.
- Roerdink, Eize; and Warnier, Jean M. M., 4,849,498, Cl. 528-339.000.
- Rutten, Hendrikus J. J.; and Pluyter, Pieter B., 4,810,570, Cl. 428-318.600.
- Schafer, Werner; Schafer, Rolf; Schafer, Doris; Aalbers, Johan C.; and Smid, Jacob K., 4,818,440, Cl. 252-546.000.
- Schellekens, Ronald M. A. M.; Rutten, Hendrikus J. J.; and Lemstra, Pieter J., 4,810,450, Cl. 264-185.000.
- Teunissen, Antonius J. J. M.; Klop, Willem; and Delahaye, Hubertus J. A. V., 4,880,929, Cl. 544-242.000.
- Tjioe, Tjay T.; Van Duijn, Simon; and Wey, Paul, 4,806,323, Cl. 423-321.00R.
- van der Molen, Theodorus J., 4,808,359, Cl. 264-171.000.
- van der Molen, Theodorus J., 4,820,471, Cl. 264-564.000.
- van der Molen, Theodorus J., 4,832,897, Cl. 264-564.000.
- Van Dooren, Theodorus J. G. M.; and Van Balken, Johannes A. M., 4,849,356, Cl. 435-183.000.
- Vriesema, Bindert K.; and Miniaci, Francesco, 4,876,327, Cl. 528-173.000.
- Weterings, Cornelis A. M.; and Janssen, Johannes A., 4,822,582, Cl. 423-321.00R.

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Stamm, Gregory D.: *See—*
- Myers, Donald O.; and Stamm, Gregory D., 4,807,477, Cl. 73-708.000.

Stamm, Lawrence G. Canoe carrier. 4,824,127, 4-25-89, Cl. 280-47.331.

Stammen, Joseph L. Ground-working tool for attachment to the foot of a wearer. 4,856,599, 8-15-89, Cl. 172-370.000.

Stammer, Walter; Grutzmacher, Bertold; and Blaser, Peter T., to Heidelberger Druckmaschinen AG. Device for detecting rotational speed of a motor using first and second sensors and a switching unit to select between the two sensors. 4,847,555, 7-11-89, Cl. 324-161.000.

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Stamnitz, Timothy C.; and Russell, Stephen D., to United States of America, Navy. All-fiber SFPM amplifier. 4,867,518, 9-19-89, Cl. 350-96.150.

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Stamov, Vladimir P.: *See—*
- Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.

Stamp, Homer M., Sr. Modular porch for a mobile home. 4,852,309, 8-1-89, Cl. 52-79.600.

Stamp, John J., to Wm. R. Stewart & Sons (Hacklemakers) Limited. Fibre opening devices. 4,884,395, 12-5-89, Cl. 57-301.000.

Stamp, Ronald L.: *See—*
- Matrone, John L.; Stamp, Ronald L.; and Babcock, Douglas M., 4,850,104, Cl. 29-829.000.

Stamper, John W. Quick release joints and structures incorporating same. 4,797,021, 1-10-89, Cl. 403-407.100.

- Stamper, Richard W.; and Hultz, Robert C., to GenCorp Inc. Coated roofing membrane. 4,827,686, 5-9-89, Cl. 52-408.000.
- Stamper, Richard W.: *See—*
  - Simmons, Robert W.; Stamper, Richard W.; and Kaufman, Thomas P., 4,885,887, Cl. 52-410.000.
- Stampfer, Martha R., to United States of America, Energy. Continuous human cell lines and method of making same. 4,808,532, 2-28-89, Cl. 435-240.200.
- Stamps, Douglass K., Jr.: *See—*
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- Stamps, William E., Jr., to Clean Scene Advertising, Inc. Illuminated trash receptacle. 4,827,645, 5-9-89, Cl. 40-567.000.
- Stamstad, Robert E., to Suratco Products Company. Unitary injection molded filter. 4,882,055, 11-21-89, Cl. 210-48[illegible].000.
- Stan Phillips Incorporated: *See—*
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- Stanadyne Automotive Corp.: *See—*
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  - Hodgkins, David H.; and Janik, Leon P., 4,862,838, Cl. 123-41.350.
  - Hodgkins, David H.; and Janik, Leon P., 4,876,990, Cl. 723-41.350.
  - Kelly, William W., 4,884,549, Cl. 123-506.000.
- Stanadyne, Inc.: *See—*
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  - Byers, Hugo; and Lang, Tracy H., 4,884,596, Cl. 137-801.000.
  - Djordjevic, Ilija; Kelly, William W.; and Vanderpoel, Richard E., 4,811,715, Cl. 123-447.000.
  - Iqbal, Muhammad, 4,813,455, Cl. 137-625.170.
- Stanasolovich, David: *See—*
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  - Peterman, Steven; and Stanasolovich, David, 4,855,252, Cl. 437-189.000.
- Stanaway, John J., Jr.: *See—*
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- Stanbery, Billy J., to Boeing Company, The. Single crystal, heteroepitaxial, GaAlAs/CuInSe$_2$ tandem solar cell and method of manufacture. 4,795,501, 1-3-89, Cl. 136-249.000.
- Stanbery, Billy J., to Boeing Company, The. Triple-junction heteroepitaxial AlGa/CuInSe$_2$ tandem solar cell and method of manufacture. 4,867,801, 9-19-89, Cl. 136-249.000.
- Stanbury, Evan J.: *See—*
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- Stancik, William C., Jr. Cast and method of assembly on a limb. 4,817,590, 4-4-89, Cl. 128-90.000.
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- Stancil, Daniel D. Optical frequency shifter using magnetostatic waves. 4,796,983, 1-10-89, Cl. 350-376.000.
- Stancil, Danny R. Christmas tree irrigation system. 4,825,587, 5-2-89, Cl. 47-40.500.
- Stancliffe, John N.; Carnelly, Stephen; Ferguson, Robert W.; and Andors, Derik K., to Vermont Casings, Inc.; and TI Parkray Limited. Solid fuel burning space heating appliances. 4,865,011, 9-12-89, Cl. 126-77.000.
- Standard Alaska Production Company: *See—*
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- Standard Change-Makers, Inc.: *See—*
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- Standard Concrete Materials, Inc.: *See—*
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- Standard Concrete Products, Inc.: *See—*
  - Dunton, Harvey R.; and Rez, Donald H., 4,872,913, Cl. 106-88.000.
- Standard Elektrik Lorenz Aktiengesellschaft: *See—*
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  - Feigel, Josef; and Pfendler, Klaus, 4,841,186, Cl. 310-156.000.
  - Feller, Heinrich; Mammach, Peter; and Kobale, Manfred, 4,835,441, Cl. 313-553.000.
  - Lowel, Helmut, 4,835,415, Cl. 307-261.000.
  - Lowel, Helmut, 4,868,909, Cl. 324-225.000.
  - Rose, Jochen; and Rosl, Wolfgang, 4,801,814, Cl. 307-106.000.
  - Rose, Jochen, 4,837,456, Cl. 307-106.000.
  - Schwab, Gunter; Reiber, Helmut; and Stapelfeldt, Rolf, 4,837,413, Cl. 200-11.00R.
  - Walker, Michael, 4,823,392, Cl. 381-106.000.
  - Weissert, Herbert, 4,805,986, Cl. 350-96.300.
- Standard Havens, Inc.: *See—*
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- Standard Hose Limited: *See—*
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- Standard-Knapp, Inc.: *See—*
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- Standard Manufacturing: *See—*
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- Standard Manufacturing Company: *See—*
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- Standard Microsystems Corporation: *See—*
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  - Ma, Di; and Hoffman, David H., 4,855,247, Cl. 437-44.000.
  - Nesin, Richard; and Li, Tak-po, 4,796,280, Cl. 375-110.000.
  - Us, Natasha; Kim, Bonggi; and Berg, John E., 4,824,803, Cl. 437-192.000.
  - Wahler, Richard E., 4,845,575, Cl. 360-51.000.
- Standard Oil Company, The: *See—*
  - Attig, Thomas G.; and Graham, Anne M., 4,827,001, Cl. 549-326.000.
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  - Bartek, Joseph P.; Guttmann, Andrew T.; and Brazdil, James F., Jr., 4,797,381, Cl. 502-202.000.
  - Bartek, Joseph P.; Brazdil, James F., Jr.; Hupp, John M.; and Grasselli, Robert K., 4,886,931, Cl. 585-500.000.
  - Bartoszek-Loza, Rosemary; and Butler, Richard J., 4,837,051, Cl. 427-388.400.
  - Benton, Kenneth C.; Weinert, Raymond J., Jr.; and Ball, Lawrence E., 4,828,756, Cl. 252-518.000.
  - Benton, Kenneth C.; Pierman, David A.; and Fox, Joseph R., 4,857,395, Cl. 428-306.600.
  - Brazdil, James F.; and Guttmann, Andrew T., 4,873,215, Cl. 502-202.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,801,568, Cl. 502-209.000.
  - Brazdil, James F., Jr.; Hattenberger, John S.; Hildebrand, Richard E.; and Bartek, Joseph P., 4,822,944, Cl. 585-500.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,866,024, Cl. 502-209.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,866,195, Cl. 558-319.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,871,706, Cl. 502-209.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,874,738, Cl. 502-209.000.
  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,883,895, Cl. 558-319.000.
  - Buchan, Stuart H.; Ehrlich, Robert; Trygstad, Joyce C.; and Wardlaw, Norman C., 4,882,763, Cl. 382-1.000.
  - Budge, John R.; and Pedersen, S. Erik, 4,810,807, Cl. 549-508.000.
  - Cesa, Mark C.; Dubbert, Robert A.; and Burrington, James D., 4,847,411, Cl. 564-132.000.
  - Cesa, Mark C.; Rinz, James E.; and Kopp, Teodora T., 4,868,061, Cl. 526-258.000.
  - Cheung, Lim H., 4,850,449, Cl. 181-101.000.
  - Davis, James C.; McGuiggan, Michael F.; Cuellar, Edward A.; and Haas, Frederick W., 4,857,159, Cl. 204-149.000.
  - Desmond, Michael J.; and Pepera, Marc A., 4,801,569, Cl. 502-209.000.
  - DiCosimo, Robert; and Szabo, Hsiao-Chiung, 4,861,911, Cl. 560-145.000.
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  - Eppig, Christopher P.; Paspek, Stephen C.; and Stalzer, Richard B., 4,885,079, Cl. 208-13.000.
  - Feeley, Brian P., 4,866,856, Cl. 34-9.000.
  - Fox, Joseph R.; and White, Douglas A., 4,818,732, Cl. 501-81.000.
  - Gagnon, Theodore G., 4,809,028, Cl. 346-108.000.
  - Gardner, Bronson; Keener, Melvin E.; DeSutter, Steven C.; Japtich, Carl T.; and Felice, Ralph A., 4,876,647, Cl. 364-420.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,801,727, Cl. 558-319.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,814,478, Cl. 558-319.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,835,125, Cl. 502-202.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,837,191, Cl. 502-202.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,837,233, Cl. 502-204.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,843,055, Cl. 502-202.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,866,194, Cl. 558-319.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,877,764, Cl. 502-209.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,883,896, Cl. 558-319.000.
  - Glaeser, Linda C.; Brazdil, James F., Jr.; and Toft, Mark A., 4,888,438, Cl. 558-319.000.
  - Graham, Anne M.; and Attig, Thomas G., 4,851,546, Cl. 548-543.000.
  - Grasselli, Robert K.; Tenhover, Michael A.; and Harris, Jonathan H., 4,814,002, Cl. 75-0.50A.
  - Grasselli, Robert K.; Miller, Arthur F.; and Hardman, Harley F., 4,863,891, Cl. 502-306.000.
  - Guttmann, Andrew T.; Brazdil, James F.; and Grasselli, Robert K., 4,816,243, Cl. 423-593.000.
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  - Henderson, Richard S.; Shreve, Gary A.; and Tenhover, Michael A., 4,810,314, Cl. 148-403.000.

  - Kalpakci, Bayram; and Jeans, Yvonne, 4,811,788, Cl. 166-246.000.
  - Kalpakci, Bayram; and Arf, Tevhide G., 4 825,950, Cl. 166-273.000.
  - Leff, Alan A.; Metcalfe, Joseph E.; Velenyi, Louis J.; and Paparizos, Christos, 4,822,940, Cl. 585-415.000.
  - Li, George S.; Hottois, J. Peter; Wu, Muyen M.; and DeWitt, Elmer J., 4,826,922, Cl. 525-227.000.
  - Loza, Roman; Cooper, Arthur J.; and Coffey, Gerald P., 4,836,283, Cl. 166-225.000.
  - Loza, Roman; and Cyngier, Roseann M., 4,853,138, Cl. 252-8.554.
  - Mazanec, Terry J.; and Cable, Thomas L., 4,802,958, Cl. 204-80.000.
  - Moles, David A.; and Yemington, Charles R., 4,886,395, Cl. 405-169.000.
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  - Ondris, Miroslav, 4,826,777, Cl. 437-2.000.
  - Paparizos, Christos; Shaw, Wilfrid G.; and Callahan, James L., 4,877,898, Cl. 560-208.000.
  - Paspek, Stephen C.; and Eppig, Christopher P., 4,824,555, Cl. 208-187.000.
  - Paspek, Stephen C., 4,840,725, Cl. 208-130.000.
  - Paspek, Stephen C., Jr.; Hauser, Jeffrey B.; Eppig, Christopher P.; and Stalzer, Richard B., 4,842,715, Cl. 208-13.000.
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  - Stevens, Stanley E., Jr.; and Burgess, Wilella D., 4,851,350, Cl. 435-262.000.
  - Suresh, Dev D.; Seely, Michael J.; Brazdil, James F.; and Grasselli, Robert K., 4,855,275, Cl. 502-353.000.
  - Teller, Raymond G.; Brazdil, James F., Jr.; Bartek, Joseph P.; and Brussee, Ann M., 4,795,848, Cl. 585-500.000.
  - Teller, Raymond G.; Ebner, Ann M.; Bodolus, Christopher; and Gupta, Victor R., 4,836,117, Cl. 110-342.000.
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  - Tenhover, Michael A., 4,861,751, Cl. 505-1.000.
  - Toft, Mark A.; Brazdil, James F., Jr.; and Glaeser, Linda C., 4,879,264, Cl. 502-8.000.
  - Velenyi, Louis J., 4,808,563, Cl. 502-241.000.
  - Ward, Roger M., 4,823,326, Cl. 367-41.000.
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  - Gustafson, Thomas L.; and Vaughan, Robert A., 4,813,733, Cl. 296-93.000.
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  - Michlovic, John J., 4,813,195, Cl. 52-400.000.
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  - Michlovic, John J., 4,835,927, Cl. 52-400.000.
  - Michlovic, John J., 4,843,791, Cl. 52-235.000.
  - Michlovic, John J., 4,854,095, Cl. 52-235.000.
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- Standerwick, Antony R.; and Standerwick, Antony J. Package for storing, heating and dispensing a meal. 4,839,180, 6-13-89, Cl. 426-115.000.
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- Standish, Calvin G., Jr. Method of making fishing lure. 4,850,131, 7-25-89, Cl. 43-42.530.
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- Standler, Gerhard; Zeller, Siegfried; Milionis, Konstantin; and Zeller, Rudolf, to Voest-Alpine Aktiengesellschaft. Integrated steel mill arrangement. 4,822,411, 4-18-89, Cl. 75-35.000.
- Standley, Paul M., to Dayco Products, Inc. Endless power transmission belt construction and method and apparatus for making the same. 4,808,149, 2-28-89, Cl. 474-260.000.
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- Standlick, Ronald E.; and Standlick, David A., to Jesco Products Company, Inc. Adjustable flow applicator for a positive displacement constant flow-rate dispenser. 4,852,773, 8-1-89, Cl. 222-504.000.
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- Standring, Peter M., to National Research Development Corporation. Related to grinding mills. 4,863,109, 9-5-89, Cl. 241-198.00R.
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Stanko, Ronald T., to Montefiore Hospital Association of Western Pennsylvania. Method for improving the glucose metabolism of an animal having diabetic tendencies. 4,874,790, 10-17-89, Cl. 514-557.000.

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Clark, John E.; and Duhame, Dean C., 4,808,995, Cl. 340-825.690.

Lemirande, Rodger P.; and Amtmann, James S., 4,796,011, Cl. 340-545.000.

Lemirande, Rodger P., 4,855,653, Cl. 318-282.000.

Stanley Aviation Corporation: *See*—

Gale, Edwin J.; and Olsen, Albert B., 4,808,117, Cl. 439-192.000.

Runkles, Richard R.; Dyer, John A.; and Beyer, Jack W., 4,881,760, Cl. 285-93.000.

Stanley, Bedford F. Water treatment media for conditioning apparatus. 4,851,122, 7-25-89, Cl. 210-501.000.

Stanley, Bedford F., Jr. Trampoline-like aerobic exercise apparatus and method. 4,836,530, 6-6-89, Cl. 272-65.000.

Stanley-Bostitch, Inc.: *See*—

Fealey, William S., 4,858,812, Cl. 227-116.000.

Stanley, David R.: *See*—

Manley, James D.; Mockford, Mary J.; and Stanley, David R., 4,861,735, Cl. 501-96.000.

Stanley, Earl K.: *See*—

Goins, Curtis W., Jr.; and Stanley, Earl K., 4,865,643, Cl. 75-10.630.

Stanley Electric Co., Ltd.: *See*—

Aizawa, Masanobu; Yamauchi, Shigekazu; and Hisatake, Yasu 4,837,058, Cl. 428-1.000.

Ichihara, Takeo; Futami, Takashi; Oda, Nobutaka; and Watanabe, Shuichi, 4,825,344, Cl. 362-80.000.

Kobayashi, Uruo; Oki, Youji; and Kawano, Katsunori, 4,865,425, Cl. 350-345.000.

Kochi, Tadashi; and Sakamoto, Naotaka, 4,819,133, Cl. 362-61.000.

Kouchi, Takeshi; Kashiwabara, Houichiro; Waki, Osamu; and Ohta, Koji, 4,868,719, Cl. 362-61.000.

Kudo, Tetsuya, 4,855,876, Cl. 362-61.000.

Masaru, Yasui, 4,881,952, Cl. 55-1.000.

Suzuki, Tooru, 4,809,144, Cl. 362-294.000.

Takahashi, Fumitaka; Okazaki, Kunio; Shiraishi, Masaru; and Takahashi, Masayuki, 4,823,461, Cl. 29-612.000.

Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Tom Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.

Teshima, Toru; Ariga, Kazuo; and Yoshida, Mitsuaki, 4,829,154, Cl. 219-209.000.

Toyoshima, Akira, 4,883,434, Cl. 439-619.000.

Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.

Yokoyama, Sakae, 4,800,468, Cl. 362-61.000.

Stanley Electronics: *See*—

Martel, Brian J., 4,872,082, Cl. 361-179.000.

Stanley, Frederick W., Jr.; Lamphere, Jack C.; and Chonde, Yohannes to Dow Chemical Company, The. Suspending agent for the suspension polymerization of water-soluble monomers. 4,833,198, 5-23-89, Cl. 524-560.000.

Stanley, Harold A.: *See*—

Reese, Robert T.; Howard, Randall F.; and Stanley, Harold A., 4,835,259, Cl. 530-395.000.

Stanley, Ian W., to British Telecommunications public limited company. Positioning optical components and waveguides. 4,802,727, 2-7-89, Cl. 350-96.200.

Stanley, Ian W. Homodyne interconnections of integrated circuits. 4,844,571, 7-4-89, Cl. 350-96.110.

Stanley, Ian W., to British Telecommunications Public Limited Company. Mounting a component to a substrate. 4,846,930, 7-11-89, Cl. 156-633.000.

Stanley, Ian W., to British Telecommunications public limited Company. Radiation deflector assembly. 4,854,658, 8-8-89, Cl. 350-96.150.

Stanley, Ian W., to British Telecommunications Public Limited Company. Wavelength selection device having a diffraction grating mounted on a torsion member. 4,867,532, 9-19-89, Cl. 350-162.230.

Stanley, Ian W., to British Telecommunications public limited company. Movable member mounting. 4,871,244, 10-3-89, Cl. 350-486.000.

Stanley, Jack H.: *See*—

Diaz, Felix V.; and Stanley, Jack H., 4,858,232, Cl. 370-86.000.

Stanley, James C.; and Diehm, Brian D., to Tektronix, Inc. Flexible instrument control system. 4,884,228, 11-28-89, Cl. 364-579.000.

Stanley, James C.: *See*—

Diehm, Brian D.; and Stanley, James C., 4,823,283, Cl. 364-518.000.

Stanley, James P.: *See*—

Fan, You-Ling; Stanley, James P.; and Brode, George L., 4,889,887, Cl. 524-510.000.

Stanley, John D.: *See*—

Pritchard, Alan J.; and Stanley, John D., 4,830,311, Cl. 244-3.150.

Stanley, Keith D., to A. E. Staley Manufacturing Company. Esterified dietary fiber products and methods. 4,844,924, 7-4-89, Cl. 426-258.000.

Stanley, Kerry G.; and Ho, Winston, to McNeilab, Inc. 3-aminoalkyl-1H-indole-5-urea and amide derivatives. 4,803,218, 2-7-89, Cl. 514-414.000.

Stanley, Louis. Motor core with winding slots having reduced air gaps. 4,812,696, 3-14-89, Cl. 310-216.000.

Stanley, Mervin D.; and Daghe, Joseph L., to Mueller Co. Abandoning plug for hose nozzle. 4,823,977, 4-25-89, Cl. 220-243.000.

Stanley, Michael E.; Lowe, Walter V.; and Bynum, Byron G., to Motorola, Inc. Three level state logic circuit having improved high voltage to high output impedance transition. 4,801,825, 1-31-89, Cl. 307-473.000.

Stanley, Sharon. Swab applicator for generation of heated medicament. 4,863,422, 9-5-89, Cl. 604-3.000.

Stanley, Theodore H.; and Hague, Brian, to University of Utah. Compositions and methods of manufacture of compressed powder medicaments. 4,863,737, 9-5-89, Cl. 424-440.000.

Stanley, Theodore H.; and Hague, Brian, to University of Utah. Methods and compositions for noninvasive dose-to-effect administration of drugs with cardiovascular or renal vascular activities. 4,885,173, 12-5-89, Cl. 424-440.000.

Stanley, Thomas R., to Teepak, Inc. Constricting and fastening apparatus. 4,796,332, 1-10-89, Cl. 17-34.000.

Stanley, Thomas R., to Teepak, Inc. Collapsible presizing rings. 4,809,403, 3-7-89, Cl. 17-41.000.

Stanley, Thomas R.: *See*—

Tuningley, Allen J.; Barlow, Keith M.; and Stanley, Thomas R., 4,824,055, Cl. 246-458.000.

Stanley Works, The: *See*—

Bobrowski, Louis G., 4,818,000, Cl. 292-147.000.

Czopor, Edmund J., Jr., 4,863,022, Cl. 206-349.000.

Govang, James A.; and Goldstein, Mark E., 4,877,137, Cl. 206-597.000.

Guarnaccia, Joseph J.; and Masucci, Ernest J., 4,860,452, Cl. 30-346.600.

Henne, John R., 4,838,586, Cl. 292-113.000.

Hutchins, Walter J.; and Cooper, Randall K., 4,836,374, Cl. 206-373.000.

Kornbrekke, Henning N.; and Ranaudo, Anthony R., 4,823,010, Cl. 250-341.000.

Munoz, Jose, 4,861,078, Cl. 292-113.000.

Remington, John L.; and Seidel, Harry W., 4,811,999, Cl. 312-250.000.

Stannard, Edward C., to U S. Foundry & Manufacturing Corp. Sealing assembly for manhole covers and adjustment rings therefor. 4,828,274, 5-9-89, Cl. 277-171.000.

Stannard, John, to Urban Transportation Development Corporation Ltd. Natural gas fuel injection. 4,846,126, 7-11-89, Cl. 123-308.000.

Stannard, John E.: *See*—

Wellman, William H.; and Stannard, John E., 4,885,463, Cl. 250-252.100.

Stannard, Louis A. Flight bidding system or the like especially for airline personnel. 4,845,625, 7-4-89, Cl. 364-407.000.

Stannek, Karl H. Method for robotic placement of electronic parts on a circuit board. 4,819,326, 4-11-89, Cl. 29-837.000.

Stannek, Karl H. Robotic gripper head. 4,858,974, 8-22-89, Cl. 294-2.000.

Stano, Robert R.; and Harrington, Richard H., to Stano, Robert R. Race stopwatch with plural displays and operating modes. 4,797,864, 1-10-89, Cl. 368-111.000.

Stanojevic, Silvo: *See*—

Atherton, James H.; and Stanojevic, Silvo, 4,884,161, Cl. 361-18.000.

Stanphill, Russell C.: *See*—

Moyer, William C.; Hartvigsen, Jay A.; and Stanphill, Russell C., 4,862,352, Cl. 364-200.000.

Stans, Rudi J. J.: *See*—

Van Meerbergen, Jozef L.; Beenker, Franciscus P. M.; Matterne, Luc L. G.; Huisken, Josephus A.; and Stans, Rudi J. J., 4,866,715, Cl. 371-27.000.

Stansbury, Eric W.: *See*—

Jubb, Albert; Ward, Robert G.; and Stansbury, Eric W., 4,869,317, Cl. 165-166.000.

Stansbury Sr., Thomas L.: *See*—

Files, James H.; Harrel, Donald M.; Montague, John M.; Stansbury Sr., Thomas L.; and Sikes, Carlton T., 4,836,891, Cl. 159-28.100.

Stansfield, Malcolm: *See*—

Ryan, Joyce; and Stansfield, Malcolm, 4,867,971, Cl. 424-81.000.

Stansfield, Peter W., to Crosfield Electronics (USA) Limited. Color displays. 4,843,379, 6-27-89, Cl. 340-701.000.

Stansfield, Peter W.; and Reed, Alastair, to Crosfield Electronics Limited. Reproduction of colored images. 4,879,594, 11-7-89, Cl. 358-80.000.

Stant Inc.: *See*—

Harris, Robert S., 4,826,511, Cl. 55-168.000.

Harris, Robert S., 4,830,058, Cl. 138-89.000.

Harris, Robert S.; Szlaga, Emil; and Thompson, Robert H., 4,836,835, Cl. 55-168.000.

Harris, Robert S., 4,877,146, Cl. 220-85.0VR.

Harris, Robert S., 4,887,733, Cl. 220-203.000.

Smith, Dwight; and Harris, Robert S., 4,795,050, Cl. 220-85.0VR.

Szlaga, Emil, 4,805,663, Cl. 137-493.200.

Szlaga, Emil; Harris, Robert S.; and Thompson, Robert H., 4,816,045, Cl. 55-168.000.

Szlaga, Emil; Harris, Robert S.; and Thompson, Robert H., 4,883,103, Cl. 141-368.000.

Stantke, Peter: *See*—

Langner, Bernd; Stantke, Peter; Reinking, Ernst-Friedrich, and Kunst, Gunther, 4,834,842, Cl. 204-1.00T.

Stanton, Boyd R.; and Spector, George. Golf bag belt organizer. 4,804,121, 2-14-89, Cl. 224-191.000.

Stanton, Harbor E.: *See*—

Parmely, Kevin W.; Van Asten, Scot R.; and Stanton, Harbor E., 4,876,674, Cl. 367-139.000.

Stanton, James L.: *See*—

Buhlmayer, Peter; Stanton, James L.; Fuhrer, Walter; Goschke, Richard; Rasetti, Vittorio; and Rueger, Heinrich, 4,889,869, Cl. 514-400.000.

Stanton, John D.: *See*—

Cahill, Michael J.; Simcoe, Michael D.; Stanton, John D.; and Warner, Brian H., 4,856,536, Cl. 131-28.000.

Stanton Magnetics, Inc.: *See*—

Hofer, Alan, 4,843,628, Cl. 381-200.000.

Stanton, Mark F.: *See*—

Cerny, Elmer J.; and Stanton, Mark F., 4,860,890, Cl. 206-333.000.

Stanton, Patrick A.: *See*—

Ward, Robert C.; and Stanton, Patrick A., 4,849,267, Cl. 428-41.000.

Stanton, Paul N.; and Cook, Michael F., to Exxon Production Research Company. Pneumatic riser tensioner. 4,808,035, 2-28-89, Cl. 405-195.000.

Stanton, Peter R. Tape recorder head cleaner. 4,855,855, 8-8-89, Cl. 360-128.000.

Stanton, Robert. Regulated aeration of gases exhausting through a propeller. 4,802,872, 2-7-89, Cl. 440-89.000.

Stanton, Robert J.; and Sheckler, Chad A., to Refraction Corporation The. Biofouling resistant apparatus for wastewater treatment. 4,851,163, 7-25-89, Cl. 261-122.000.

Stanton, Thomas: *See*—

Ridenour, Ralph G.; and Stanton, Thomas, 4,871,199, Cl. 285-382.500.

Stanton, Thomas H.; Clagett, James A.; Schindele, Deborah C.; Renzoni, George E.; Andersen, Niels H.; and Opheim, Kent E., to Ultra Diagnostics Corporation. Competitive immunoassay method, device and test kit. 4,803,170, 2-7-89, Cl. 436-518.000.

Stanton, Timothy P.: *See*—

Cameron, James M.; Stanton, Timothy P.; Tye, Anthony J.; and December, Timothy S., 4,837,278, Cl. 525-162.000.

Stanwich Holdings, Inc.: *See*—

Brouse, S. Bernard; and Wiedel, John, 4,817,519, Cl. 100-32.000.

Stanzak, Richard K.: *See*—

Rao, R. Nagaraja; and Stanzak, Richard K., 4,843,002, Cl. 435-172.300.

Stanzani, Franco; and Stanzani, Sandro. Structure for motor-compressor units used with refrigerant fluids. 4,854,829, 8-8-89, Cl. 417-360.000.

Stanzani, Sandro: *See*—

Stanzani, Franco; and Stanzani, Sandro, 4,854,829, Cl. 417-360.000.

Stanzione, Robin C.: *See*—

Maryanoff, Cynthia A.; Plampin, James N.; and Stanzione, Robin C., 4,851,094, Cl. 204-157.710.

Staodynamics, Inc.: *See*—

Harris, Frank W., 4,813,418, Cl. 128-421.000.

Miller, Katherine H., 4,846,181, Cl. 128-421.000.

Thomson, Thomas H., 4,803,988, Cl. 128-421.000.

- Stape, William J.: *See—*
  - Marzari, Robert L.; Southard, Robert K.; and Stape, William J., 4,797,556, Cl. 250-551.000.
  - Marzari, Robert L.; Southard, Robert K.; and Stape, William J., 4,800,265, Cl. 250-227.000.
- Stapel, Wilhelm: *See—*
  - Ellermann, Rolf; Stapel, Wilhelm; and Droste, Gunter, 4,815,404, Cl. 112-121.110.
- Stapelfeld, Norval D.: *See—*
  - Apsell, Sheldon P.; and Stapelfeld, Norval D., 4,818,998, Cl. 342-44.000.
- Stapelfeldt, Rolf: *See—*
  - Schwab, Gunter; Reiber, Helmut; and Stapelfeldt, Rolf, 4,837,413, Cl. 200-11.00R.
- Stapersma, Johan, to Shell Oil Company. Complex-forming polymers and processes to prepare them. 4,814,457, 3-21-89, Cl. 546-88.000.
- Stapersma, Johan, to Shell Oil Company. Nitrogen-containing bidentate compound immobilized on a solid inorganic carrier. 4,873,212, 10-10-89, Cl. 502-158.000.
- Stapersma, Johan, to Shell Oil Company. Nitrogen-containing bidentate compound immobilized on a solid inorganic carrier. 4,873,333, 10-10-89, Cl. 546-14.000.
- Stapf, Wayne C. Reclining bench. 4,804,224, 2-14-89, Cl. 297-355.000.
- Stapla Ultraschall-Technik GmbH: *See—*
  - Nuss, Lothar, 4,842,671, Cl. 156-433.000.
  - Nuss, Lothar, 4,869,419, Cl. 228-110.000.
- Staples, A. Gordon: *See—*
  - Roberts, Gerald E.; Staples, A. Gordon; and Toliver, Samuel, 4,839,618, Cl. 333-191.000.
- Staples, Charles W.: *See—*
  - Brown, Robert J., Jr.; and Staples, Charles W., 4,847,782, Cl. 364-492.000.
- Staples, Linton D.; Norman, Robert I.; Davey, Robert B.; Hastings, Catherine; Kidd, Jennifer; and Rachmat, Jatni, to Gene Link Australia Limited. Coated veterinary implants. 4,882,137, 11-21-89, Cl. 424-423.000.
- Staples, Lorna C.: *See—*
  - Spanier, Henry C.; Mulligan, Patrick; Spiel, Albert; and Staples, Lorna C., 4,822,626, Cl. 426-94.000.
- Stapleton, Alan L.: *See—*
  - Long, Robert J.; and Stapleton, Alan L., 4,829,455, Cl. 364-521.000.
- Stapleton, Aubrey G. Hydraulic valve lifter removal device. 4,864,708, 9-12-89, Cl. 29-213.100.
- Stapleton, Cecil R., to Westinghouse Electric Corp. Instrumentation port clamps and clamping systems. 4,812,285, 3-14-89, Cl. 376-203.000.
- Stapleton, Cecil R., to Westinghouse Electric Corp. Instrumentation port clamps. 4,885,122, 12-5-89, Cl. 376-203.000.
- Stapleton, Craig, to Huron/St. Clair Co., a Division of Masco Industries, Inc. Load-bearing slat for vehicle luggage carriers. 4,842,176, 6-27-89, Cl. 224-326.000.
- Stapleton, Marilyn: *See—*
  - Antoni, Patricia A.; Arneson, Theodore R.; Hayes, Thomas J.; Nolan, Timothy J.; and Stapleton, Marilyn, 4,863,058, Cl. 220-72.000.
- Stapp, Paul R.: *See—*
  - Fahey, Darryl R.; Williams, Keith A.; Harris, Jesse R.; and Stapp, Paul R., 4,845,066, Cl. 502-84.000.
- Star Beam, Inc.: *See—*
  - Jones, Danny C., 4,890,207, Cl. 362-233.000.
- Star Fasteners International, Inc.: *See—*
  - Potucek, Frank R., 4,815,910, Cl. 411-444.000.
  - Potucek, Frank R., 4,833,906, Cl. 72-206.000.
- Star-Kist Foods, Inc.: *See—*
  - Juravic, Davor, 4,815,919, Cl. 414-417.000.
- Star Rubber Kogyo Kabushiki Kaisha: *See—*
  - Kondo, Takahisa; and Sekimoto, Masami, 4,834,820, Cl. 156-73.300.
- Star Seiki Co., Ltd.: *See—*
  - Shiotani, Yosuke, 4,842,476, Cl. 414-751.000.
- Star Seimitsu Kabushiki Kaisha: *See—*
  - Muranaka, Akinori, 4,888,542, Cl. 318-696.000.
- Star Technologies, Inc.: *See—*
  - Steiner, Walter R.; and Simoncic, Paul A., 4,815,021, Cl. 364-716.000.
  - Steiner, Walter R., 4,862,392, Cl. 364-522.000.
- Star, Willem M.: *See—*
  - Marijnissen, Johannes P. A.; Jansen, Harald; and Star, Willem M., 4,848,323, Cl. 128-6.000.
- Staral, John S., to Minnesota Mining and Manufacturing Company. Moisture resistant splice assembly. 4,830,688, 5-16-89, Cl. 156-48.000.
- Starbird, Roberta P.: *See—*
  - Ashford, Thomas J.; Burns, Nancy A.; Flagg, Richard L.; Iwaskiw, Christine T.; and Starbird, Roberta P., 4,809,219, Cl. 364-900.000.
- Starcke, Steven F.: *See—*
  - Anderson, Nathaniel C.; Miner, Marlin E.; Romankiw, Lubomyr T.; and Starcke, Steven F., 4,842,886, Cl. 427-10.000.
  - Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,799,119, Cl. 360-123.000.
  - Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,847,984, Cl. 29-603.000.
- Starcosa GmbH: *See—*
  - Tegtmeier, Uwe, 4,845,033, Cl. 435-162.000.
- Starczewski, Marian; Switonska-Oskedra, Maria; Grzywaczewski, Tadeusz; Pisarski, Hubert; Gazda, Stanislaw; and Sybilska, Genowefa, to Politechnika Slaska im. Wincentego Pstrowskiego. Method of manufacturing barium sulphide. 4,795,625, 1-3-89, Cl. 423-566.000.
- Starenchak, Robert W.: *See—*
  - Andrews, Katherine M.; and Starenchak, Robert W., 4,886,401, Cl. 406-182.000.
- Starensier, Inc.: *See—*
  - Mulcahy, John J.; and Hill, I. David, 4,819,345, Cl. 36-17.00R.
- Starewicz, Piotr M.: *See—*
  - Hillenbrand, David F.; and Starewicz, Piotr M., 4,862,087, Cl. 324-320.000.
- Starichnev, Vladimir V.: *See—*
  - Masovich, Felix Z.; Khorin, Vladimir N.; Starichnev, Vladimir V.; and Turkin, Vladimir V., 4,861,111, Cl. 299-43.000.
- Staritzbichler, Werner; Dworak, Gert; and Daimer, Wolfgang, to Vianova Kunstharz, A.G. Water-dilutable paint binders having improved corrosion resistance. 4,871,807, 10-3-89, Cl. 525-113.000.
- Stark, Glenn M.: *See—*
  - Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
- Stark, Howard M.: *See—*
  - Allen, William M., Jr.; Parker, Delmer G.; and Stark, Howard M., 4,868,608, Cl. 355-303.000.
- Stark, Joachim: *See—*
  - Heine, Gerold; and Stark, Joachim, 4,802,525, Cl. 164-48.000.
- Stark, Johannes: *See—*
  - Meumann, Henry R.; and Stark, Johannes, 4,840,131, Cl. 110-336.000.
- Stark, John A.: *See—*
  - Grote, Michael G.; Stark, John A.; and Tefft, Edward C., III, 4,819,719, Cl. 165-104.260.
- Stark, John E.: *See—*
  - Leir, Charles M.; Hoffman, Jerome J.; and Stark, John E., 4,833,213, Cl. 525-410.000.
- Stark, Josef; Gossmann, Willi; and Wurmback, Rupert, to SKF GmbH. Hydraulically actuated assembly device. 4,805,281, 2-21-89, Cl. 29-252.000.
- Stark, Joseph: *See—*
  - Friesen, Heinz-Jurgen; Grenner, Gerd; Pauly, Hans-Erwin; Kohl, Helmut; Habenstein, Klaus; and Stark, Joseph, 4,861,711, Cl. 436-7.000.
- Stark, Klaus: *See—*
  - Poerschke, Karl; Stark, Klaus; and Frochte, Bernd, 4,862,134, Cl. 337-231.000.
- Stark, Leonard E.: *See—*
  - Lindahl, Harold A.; Abrams, Kenneth J.; Stark, Leonard E.; and Zeitlin, Martin A., 4,835,307, Cl. 562-413.000.
- Stark, Lloyd R.: *See—*
  - Keller, Jimmy L.; and Stark, Lloyd R., 4,846,025, Cl. 81-3.090.
- Stark, Richard A.: *See—*
  - Lisson, Jerold B.; and Stark, Richard A., 4,887,905, Cl. 356-363.000.
- Stark, Robert A., to Dresser Industries, Inc. Brake condition warning system. 4,845,468, 7-4-89, Cl. 340-454.000.
- Stark, Ullrich: *See—*
  - Yngve, Paul W.; Artzt, Peter; Egbers, Gerhard; Stark, Ullrich; and Muller, Heinz, 4,802,330, Cl. 57-238.000.
- Stark, Wayne: *See—*
  - Glass, Edward N.; and Stark, Wayne, 4,796,110, Cl. 360-53.000.
- Stark, William; Hughes, Nigel; and Gunn, Donald M., to Imperial Chemical Industries plc. Substituted phthalocyanine. 4,824,946, 4-25-89, Cl. 540-125.000.
- Stark, William M., to Imperial Chemical Industries PLC. Substituted phthalocyanine. 4,824,947, 4-25-89, Cl. 540-125.000.
- Stark, Wolfgang: *See—*
  - Sliva, Eduard; and Stark, Wolfgang, 4,818,841, Cl. 219-121.830.
- Starke, Edgar A., Jr.: *See—*
  - Blackburn, Linda B.; and Starke, Edgar A., Jr., 4,820,488, Cl. 420-529.000.
- Starke, J. Peter; Levacher, Friedrich K.; and Federmann, Helmut, to Philips Kommunikations Industrie A. Light conduit arrangement for monitoring a physical condition of a structural part. 4,840,480, 6-20-89, Cl. 356-32.000.
- Starke, Roy R., to United Technologies Corporation. Annular seal assembly. 4,830,519, 5-16-89, Cl. 384-485.000.
- Starkey, Daniel C.: *See—*
  - Price, Macy J.; Accumanno, Mario B.; and Starkey, Daniel C., 4,807,836, Cl. 248-123.100.
- Starks, Jimmy A.: *See—*
  - Edwards, Billy J.; and Starks, Jimmy A., 4,858,688, Cl. 166-241.000.
- Starkweather, John H.: *See—*
  - Hsia, Edward S.; Starkweather, John H.; and Koffel, William K., 4,798,515, Cl. 415-115.000.
- Starkweather, William H., to Sigma Chemical Company. Stabilized stain solutions containing aliphatic and aromatic alcohols. 4,816,244, 3-28-89, Cl. 424-3.000.
- Starlight Industries, Inc.: *See—*
  - Yi, Han Ung, 4,850,082, Cl. 16-341.000.
- Starling, L. Brian; Stephan, James E.; and Hubbard, William G., to Ceramed Corporation. Biocompatible particles and cloth-like article made therefrom. 4,839,215, 6-13-89, Cl. 428-131.000.
- Starlinger-Huemer, Franz X. Circular loom. 4,846,229, 7-11-89, Cl. 139-13.00R.
- Starnes, Doris H. Sliding door and window assembly for pickup truck with cap. 4,848,832, 7-18-89, Cl. 296-166.000.

- Staron, Alain; Claudepierre, Christian; Micheron, Francois; and Chambron, Edmond, to Thomson-CGR. Diaphragm for electromagnet radiation beam and its use in a collimation device for this beam. 4,856,042, 8-8-89, Cl. 378-147.000.
- Staron, Alain: *See—*
  - Broussoux, Dominique; Micheron, Francois; Staron, Alain; and Trotel, Jacques, 4,812,647, Cl. 250-227.000.
- Staron, James S.: *See—*
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  - Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, 4,807,108, Cl. 364-148.000.
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  - Bender, Wolfgang; Henning, Rolf; Knorr, Andreas; and Stasch, Johannes-Peter, 4,818,748, Cl. 514-16.000.
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  - Kiehl, Wolfram; Bruenn, Rainer; and Staschewski, Harry, 4,881,489, Cl. 118-672.000.
  - Ziemek, Gerhard; Staschewski, Harry; and Gunia, Ewald, 4,811,888, Cl. 228-148.000.
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  - Adams, Joseph B.; Gaspar, James A.; and Stash, Paul J., 4,869,890, Cl. 423-392.000.
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  - Vago, Otto Z., 4,838,211, Cl. 122-159.000.
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  - Bornstein, Aharon; and Tsalach, Tsadok, 4,867,544, Cl. 350-413.000.
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  - Issachar, David; Trumper, Jacob; and Abrashkin, Shmuel, 4,876,073, Cl. 423-2.000.
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  - Fisher, Abraham; Karton, Ishai; Heldman, Eliahu; Levy, Aharon; and Grunfeld, Yona, 4,855,290, Cl. 514-278.000.
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  - Riscoe, Michael K.; Fitchen, John H.; and Ferro, Adolph J., 4,820,692, Cl. 514-23.000.
  - Weitz, Stephen L., 4,820,628, Cl. 435-4.000.
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  - Gerwick, William H.; and Bernart, Matthew W., 4,810,424, Cl. 260-412.800.
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  - Yount, John E., 4,834,532, Cl. 356-41.000.
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  - Csonka, Paul L.; and Tatchyn, Roman O., 4,800,353, Cl. 335-210.000.
  - Keana, John F. W., 4,863,717, Cl. 424-9.000.
  - Mrsny, Randall J.; Birrell, G. Bruce; and Volwerk, Johannes J., 4,879,220, Cl. 435-7.000.

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  - Carleton, Herbert R.; and Broughton, Jeremy Q., 4,855,903, Cl. 364-200.000.
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  - Zipper, Joseph D., 4,860,910, Cl. 220-1.00T.
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  - Weigel, Leland O.; and Staten, Gilbert S., 4,831,145, Cl. 546-164.000.
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  - Rogers, Orley D.; and Staten, Kenneth E., 4,843,792, Cl. 52-127.700.
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  - Chavdarian, Charles G., 4,837,209, Cl. 514-141.000.
  - Curtis, Jeff K., 4,808,720, Cl. 546-220.000.
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  - Felix, Raymond A., 4,806,653, Cl. 548-234.000.
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  - Knudsen, Christopher G., 4,837,352, Cl. 558-396.000.
  - Knudsen, Christopher G., 4,838,932, Cl. 71-98.000.
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  - Lee, David L., 4,808,214, Cl. 71-98.000.
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  - Lee, David L., 4,855,477, Cl. 558-412.000.
  - Li, Rosa, 4,828,823, Cl. 424-52.000.
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  - Shyu, Lieh-Jiun, 4,824,649, Cl. 423-314.000.
  - Wheeler, Donald R., 4,820,325, Cl. 65-27.000.
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  - Worthington, Peter; and Russell, John N., 4,825,796, Cl. 114-199.000.
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  - Bidal, Rene M. R., 4,840,086, Cl. 74-594.600.
  - Le Faou, Daniel; and Mercier, Michel, 4,827,797, Cl. 74-594.600.
  - Mercat, Jean-Pierre, 4,811,612, Cl. 73-862.340.
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- Stedman, Lewis P. Power ridges. 4,878,980, 11-7-89, Cl. 156-299.000.
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  - Stevens, Thomas J., 4,817,701, Cl. 164-415.000.
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- Steel, Francis R., deceased: *See—*
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- Steel, Lynne A., legal representative: *See—*
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  - Greene, David G., 4,880,218, Cl. 269-21.000.
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- Steele, David A.: *See—*
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- Steele, David C.: *See—*
  - Cook, Max W.; Moose, Wade E.; and Steele, David C., 4,847,719, Cl. 361-13.000.
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- Steele, Duane F.: *See—*
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- Steele, Gregory J., to Dynamic Air Inc. Air filter with back flow cleaning. 4,836,834, 6-6-89, Cl. 55-96.000.
- Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumbeller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, to Thinking Machines Corporation. Virtual processor techniques in a SIMD multiprocessor array. 4,827,403, 5-2-89, Cl. 364-200.000.
- Steele, James R.; and Scherfenberg, Jerry W., to Dynamic Air Inc. Butterfly valves. 4,836,499, 6-6-89, Cl. 251-173.000.

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- Steele, Nicholas J. Tubular solid bodied glove puppet. 4,828,529, 5-9-89, Cl. 446-327.000.
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- Steele, Robert M. Gasoline powered electrical lawn mower. 4,870,811, 10-3-89, Cl. 56-10.500.
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- Steele, Scott B.: *See—*
  - Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,157, Cl. 370-60.000.
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- Steelman, Ronald S., to Minnesota Mining and Manufacturing Company. Graphics transfer medium. 4,820,559, 4-11-89, Cl. 428-36.100.
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  - Nelson, Edmund A.; Colvin, Arthur E.; Hanley, Matthew W.; and Scott, Stephen C., 4,816,269, Cl. 426-232.000.
- Steely, Lee W., to AMP Incorporated. Multiplex system. 4,833,672, 5-23-89, Cl. 370-85.000.
- Steely, Lee W., to AMP Incorporated. Multiplex motor control system with automatic motor deactivation. 4,839,572, 6-13-89, Cl. 318-603.000.
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- Steely, Lee W., to AMP Incorporated. Vehicle multiplex system with multifunction switches. 4,887,263, 12-12-89, Cl. 370-85.100.
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  - Chang, Paul S.; and Steely, Lee W., 4,847,832, Cl. 370-85.000.
  - Herrmann, Henry O., Jr.; and Steely, Lee W., 4,845,708, Cl. 370-85.000.
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- Steen, Adam: *See—*
  - Addink, Jaap H., Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, 4,795,725, Cl. 501-101.000.
- Steen, Gerry: *See—*
  - Lindberg, Kaj; Steen, Gerry; and Germundson, Elon, 4,875,806, Cl. 405-224.000.
- Steen, Robert A.: *See—*
  - Hsu, Joseph C.; and Steen, Robert A., 4,812,319, Cl. 426-127.000.
- Steen, William M.; and Weerasinghe, Vijitha M., to Quantum Laser Corporation. Gas shroud and method. 4,803,335, 2-7-89, Cl. 219-121.840.
- Steen, Yvonne M.: *See—*
  - Bergman, Per O.; Steen, Yvonne M.; and Ingelman, Bjorn G., 4,804,537, Cl. 424-105.000.
- Steenbeck, Ulf: *See—*
  - Bohn, Gerhard; Steinmetz, Guenter; and Steenbeck, Ulf, 4,796,724, Cl. 181-106.000.
- Steenbergen, Christiaan; and Gravesteijn, Dirk J., to U.S. Philips Corporation. Record carrier with a preformed information track for recording information with a radiation beam. 4,872,156, 10-3-89, Cl. 369-275.000.
- Steenbergen, Christiaan: *See—*
  - Verboom, Johannes J.; and Steenbergen, Christiaan, 4,802,154, Cl. 369-59.000.
- Steenburg, Kip V., to Prodigy Corp. Convertible carriage with biased wheel retraction. 4,872,692, 10-10-89, Cl. 280-30.000.
- Steendal, Rolf: *See—*
  - Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, 4,842,410, Cl. 356-357.000.
- Steenge, Wiecher D. E.: *See—*
  - Dirkse, Hendrik A.; Steenge, Wiecher D. E.; and Scott, Andrew M., 4,809,886, Cl. 222-195.000.
- Steenhof, Frits A.: *See—*
  - Pfennings, Leonardus C. M. G.; and Steenhof, Frits A., 4,868,665, Cl. 358-213.260.
  - W[illegible]lles, Petrus W. G.; and Steenhof, Frits A., 4,851,908, Cl. [illegible]58-140.000.
- Steenhuisen, Johannes E.; and Grotenhuis, Gerrit, to Duphar International Research B.V. Holder for a plurality of syringes. 4,801,012, 1-31-89, Cl. 206-366.000.
- Steenhuisen, Johannes E.: *See—*
  - Mijers, Jan W. M.; and Steenhuisen, Johannes E., 4,798,671, Cl. 210-238.000.
- Steenken, Bernhard: *See—*
  - Gattermann, Bernd; Steenken, Bernhard; Grosse-Scharmann, Franz; and Muller, Horst, 4,798,271, Cl. 192-18.00R.
- Steenken, Ingrid: *See—*
  - Heimann, Sigismund; Ve[illegible]cia, Michele; Bereck, Attila; Sulz, Hermann; and Steenken, Ingrid, 4,813,971, Cl. 8-575.000.
- Steenod, Wayne: *See—*
  - Israel, Gary; Steenod, Wayne; and O'Mara, Richard C., 4,884,680, Cl. 206-44.110.
- Steenton, George R.; and Marks, Rick R., to Keptel, Inc. Universal adapter for office wall panels. 4,863,398, 9-5-89, Cl. 439-538.000.
- Steenton, George R.: *See—*
  - Ward, Donald A.; and Steenton, George R., 4,863,393, Cl. 439-188.000.
- Steenwyk, Timothy E.: *See—*
  - Nielsen, Edward G.; and Steenwyk, Timothy E., 4,805,086, Cl. 364-167.010.
  - Nielsen, Edward G.; and Steenwyk, Timothy E., 4,829,418, Cl. 364-167.010.
  - Nielsen, Edward G.; and Steenwyk, Timothy E., 4,866,641, Cl. 364-559.000.
- Steeper, Timothy J., to United States of America, Energy. Leak detection aid. 4,888,979, 12-26-89, Cl. 73-40.700.
- Steer, Graham E.: *See—*
  - Steer, Peter L.; and Steer, Graham E., 4,854,737, Cl. 383-127.000.
  - Steer, Peter L.; and Steer, Graham E., 4,876,788, Cl. 29-508.000.
- Steer, John E., to Allied-Signal Inc. Two stage relief valve for master cylinder quick-fill chamber. 4,860,541, 8-29-89, Cl. 60-578.000.
- Steer, John E.: *See—*
  - Gaiser, Robert F.; Steer, John E.; and Crumb, Donald A., 4,821,519, Cl. 60-591.000.
- Steer, Peter L., to E. R. Squibb & Sons, Inc. Device for protecting a wound. 4,795,435, 1-3-89, Cl. 604-355.000.
- Steer, Peter L.; and Wiltshire, Neil P., to E. R. Squibb and Sons, Inc. Ostomy coupling. 4,834,732, 5-30-89, Cl. 604-342.000.
- Steer, Peter L.; and Steer, Graham E., to E. R. Squibb and Sons, Inc. Bags for containing liquids. 4,854,737, 8-8-89, Cl. 383-127.000.
- Steer, Peter L., to E.R. Squibb and Sons, Inc. Urostomy appliance. 4,867,749, 9-19-89, Cl. 604-337.000.
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- Steer, Peter L., to E. R. Squibb and Sons, Inc. Ostomy appliance. 4,883,477, 11-28-89, Cl. 604-339.000.
- Steer, Peter L.: *See—*
  - Worth, Peter H. L.; Eaton, Ann; and Steer, Peter L., 4,880,016, Cl. 128-885.000.
- Steers, Michel; Courdille, Michel; and Hazan, Jean-Pierre, to U.S. Philips Corp. Flat-iron safety device utilizing a dual internal timing circuit. 4,803,342, 2-7-89, Cl. 219-257.000.
- Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, to U.S. Philips Corporation. Microwave oven comprising a defrosting detector. 4,870,234, 9-26-89, Cl. 219-10.55B.
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- Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, to U.S. Philips Corporation. Microwave oven providing defrosting control. 4,871,891, 10-3-89, Cl. 219-10.55B.
- Steers, Michel: *See—*
  - Delmas, Gilles; Hazan, Jean-Pierre; and Steers, Michel, 4,816,737, Cl. 320-35.000.
- Steetley Quarry Products Limited: *See—*
  - Pearce, Kenneth W., 4,826,607, Cl. 210-770.000.
- Steeves, Christopher. Roller blind mounting and rolling system. 4,884,618, 12-5-89, Cl. 160-321.000.
- Steeves, Jay M.; and Halbert, Eric H., to Sencorp. Restrictive trigger actuated valve arrangement for a fastener driving tool. 4,811,882, 3-14-89, Cl. 227-8.000.
- Steeves, Walter E.: *See—*
  - Dobson, Keith F.; and Steeves, Walter E., 4,805,351, Cl. 51-217.00R.
- Stefan, Alexander. Convertible computer desk. 4,828,342, 5-9-89, Cl. 312-21.000.
- Stefanek, Ronald T.: *See—*
  - Richards, James A.; and Stefanek, Ronald T., 4,797,779, Cl. 361-154.000.

Stefani, Fabrizio, to SGS-Thomson Microelectronics S.r.L. Audio amplifier having a low-noise input stage. 4,888,563, 12-19-89, Cl. 330-296.000.
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  Botti, Edoardo; and Stefani, Fabrizio, 4,849,713, Cl. 330-284.000.
  Botti, Edoardo; Torazzina, Aldo; and Stefani, Fabrizio, 4,878,032, Cl. 330-263.000.
Stefanini, Daniel. Centrifugal pump. 4,863,344, 9-5-89, Cl. 415-141.000.
Stefanini, Michel: *See—*
  Benedetti, Charles; Gluntz, Claude; Pascal, Robert and Stefanini, Michel, 4,855,053, Cl. 210-634.000.
Stefanini, Zorro. Method for uniform deposition of solid lubricant on rigid data storage discs. 4,868,009, 9-19-89, Cl. 427-127.000.
Stefaniu, Marian; Gran, Paul; Feiner, Haim, deceased; and Feiner, Ilana, heiress, to Motorola, Inc. Supervisory control system. 4,879,541, 11-7-89, Cl. 340-825.070.
Stefanov, Stefan T.: *See—*
  Tabakov, Mirtcho S.; Nedyalkov, Nedyalko K.; and Stefanov, Stefan T., 4,872,021, Cl. 343-801.000.
Stefanska, Barbara J.; Falkowski, Leonard S.; and Borowski, Edward, to Politechnika Gdanska. Antineoplastic enamine derivatives of daunorubicin and adriamycin. 4,824,944, 4-25-89, Cl. 536-6.400.
Stefanski, Edwin. Finger exercise device. 4,815,729, 3-28-89, Cl. 272-67.000.
Stefany, James H.: *See—*
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Steff de Verninac, Bertrand, to Soletanche. Milling machine for digging trenches in the earth. 4,844,549, 7-4-89, Cl. 175-91.000.
Steffanoff, Nick. Survival information ski pole. 4,832,368, 5-23-89, Cl. 280-821.000.
Steffee, Arthur D., to AcroMed Corporation. Bone screw. 4,854,311, 8-8-89, Cl. 128-92.0YM.
Steffel, Vern G. Nutcracker apparatus. 4,838,155, 6-13-89, Cl. 99-572.000.
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Steffen, Francis; and Labelle, Jean, to SGS-Thomson Microelectronics S.A. Method for the encapsulation of integrated circuits. 4,857,483, 8-15-89, Cl. 437-209.000.
Steffen, Hans: *See—*
  Cirelli, Giorgio; Steffen, Hans; and Surber, Christian, 4,886,499, Cl. 604-131.000.
  Ferro, Alberto; and Steffen, Hans, 4,882,164, Cl. 424-450.000.
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Steffen, Sylvester L. Method and apparatus for controlling the drying and cooling of field-harvested seeds in storage. 4,800,653, 1-31-89, Cl. 34-30.000.
Steffen, Walter: *See—*
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  Sirrenberg, Wilhelm; Marhold, Albrecht; and Steffens, Robert, 4,853,397, Cl. 514-364.000.
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Steffes, Helmut, to Alfred Teves GmbH. Throttle regulator. 4,838,225, 6-13-89, Cl. 123-342.000.
Steffes, Helmut, to Alfred Teves GmbH. Hydraulic brake system for automotive vehicles with anti-skid control system. 4,840,435, 6-20-89, Cl. 303-116.000.
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  Reinartz, Hans D.; Steffes, Helmut; Maas, Joachim; and Schwarz, Thomas, 4,811,809, Cl. 180-197.000.
  Reinartz, Hans D.; and Steffes, Helmut, 4,819,997, Cl. 303-115.000.
  Reinartz, Hans D.; Steffes, Helmut; and Latka, Franz, 4,848,847, Cl. 303-11.000.
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  Reinartz, Hans-Dieter; and Steffes, Helmut, 4,815,793, Cl. 303-114.000.
  Reinartz, Hans-Dieter; and Steffes, Helmut, 4,828,333, Cl. 303-100.000.
  Reinartz, Hans-Dieter; Steffes, Helmut; and Czarnetzki, Edwin, 4,838,305, Cl. 137-505.130.
  Reinartz, Hans-Dieter; and Steffes, Helmut, 4,861,117, Cl. 303-100.000.
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  Widmer, Steven L.; Neisen, Gerald F.; Ruhnke, Jeffrey P.; Steffes, Thomas J.; and Buchholz, Brian S., 4,875,439, Cl. 123-541.000.
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  Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
  Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
  Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.
  Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.
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Stegemoeller, Calvin L.; and Davis, Gail F., to Halliburton Company. Self-leveling mixer with mechanical agitation. 4,802,141, 1-31-89, Cl. 366-132.000.
Stegemoeller, Calvin L.; Davis, Gail F.; and Walker, Lonnie R., to Halliburton Company. Skid-mounted self-leveling mixer apparatus. 4,850,701, 7-25-89, Cl. 366-132.000.
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  Jacobson, Allan J.; Ho, Teh C.; Chianelli, Russell R.; Steger, John J.; and Montagna, Angelo A., 4,824,820, Cl. 502-219.000.
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Stegmann, Werner; Meier, Hans R.; Evans, Samuel; Martin, Roger; and Luisoli, Reto, to Ciba-Geigy Corporation. Process for the preparation of mercaptomethylphenols. 4,874,885, 10-17-89, Cl. 560-15.000.
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Steidel, Leonard R., to Moore Business Forms, Inc. Size independent modular web processing line and modules. 4,839,814, 6-13-89, Cl. 364-469.000.
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Steiger, Anton, to Sulzer Brothers Limited. Fuel injection system. 4,834,055, 5-30-89, Cl. 123-575.000.
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Steigerwald, Franz: *See—*
  Hildebrandt, Bodo; and Steigerwald, Franz, 4,875,577, Cl. 206-219.000.
  Lamboy, Peter; Steigerwald, Franz; Zulauf, Karlheinz; and Ginnow-Markert, Harmut, 4,877,065, Cl. 141-18.000.
Steigerwald, Robert L., to General Electric Company. Low input voltage resonant power converter with high-voltage A.C. link. 4,796,173, 1-3-89, Cl. 363-25.000.
Steigerwald, Robert L.; and Macdonald, Andrew J., to General Electric Company. Resonant power converter with current sharing among multiple transformers. 4,825,348, 4-25-89, Cl. 363-17.000.
Steigerwald, Robert L., to General Electric Company. High-frequency DC-DC power converter with zero-voltage switching of single primary-side power device. 4,845,605, 7-4-89, Cl. 363-21.000.
Steigerwald, Robert L.; and Ngo, Khai D. T., to General Electric Company. Full-bridge lossless switching converter. 4,864,479, 9-5-89, Cl. 363-17.000.
Steigerwald, Robert L.: *See—*
  Park, John N.; Steigerwald, Robert L.; and Schutten, Michael J., 4,876,635, Cl. 363-17.000.
Steiginga, Abe; and Worrall, Robert N., to Shell Oil Company. Assembly for directional drilling of boreholes. 4,880,066, 11-14-89, Cl. 175-75.000.
Steigmuhle Toss AG: *See—*
  Bosshard, Alexander, 4,836,370, Cl. 206-222.000.
Steijger, Wilfridus; Odemer, Michael; Schweingruber, Otto; and Cimbal, Jochen, to Braun Aktiengesellschaft. Rocker arm drive for electrical appliances. 4,848,171, 7-18-89, Cl. 74-42.000.
Steilen, Ronald M.: *See—*
  Rettig, Vernon E.; Steilen, Ronald M.; and Postal, Jeffrey J., 4,800,964, Cl. 172-711.000.
Steilner, Aurel: *See—*
  Papenhagen, Dieter; Klemm, Eberhard; and Steilner, Aurel, 4,846,012, Cl. 74-512.000.
Steim, Joseph M.; and Wielandt, Erhard. Analog to digital converter employing delta-sigma modulation. 4,866,442, 9-12-89, Cl. 341-143.000.
Steimel, Lyle H., and Christensen, Ronald J., to DuBois Chemicals, Inc. All-in-one boiler water treatment composition. 4,874,541, 10-17-89, Cl. 252-178.000.
Steimle, Josef: *See—*
  Feilhauer, Helmut; and Steimle, Josef, 4,798,442, Cl. 350-96.210.
Stein, Amnon; and Nagler, Michael, to Scitex Corporation Ltd. Internal drum plotter. 4,853,709, 8-1-89, Cl. 346-108.000.
Stein, Andrew M., to Six Corners Development Company. Apparatus and method for dispensing warm liquid foods. 4,828,146, 5-9-89, Cl. 222-1.000.
Stein, Andrew M., to Six Corners Development Company. Popcorn warming apparatus. 4,850,120, 7-25-89, Cl. 34-88.000.
Stein Associates, Inc.: *See—*
  Booth, Raymond E.; and Miller, Michael E., 4,798,283, Cl. 198-860.500.
  Hwang, Yong Y.; and Smith, Donald P., 4,834,063, Cl. 126-21.00A.
Stein, Bernd: *See—*
  Lohr, Herbert; Stein, Bernd; Becker, Helmut; Ade, Reiner; and Baur, Walter, 4,885,900, Cl. 53-551.000.
Stein, Claude; Nagai, Hitoshi; Ueda, Akio; and Isomura, Satoru, to Societe Chimique des Charbonnages, S.A. Articles having shape recovering properties and a method for using it. 4,831,094, 5-16-89, Cl. 526-283.000.
Stein, Dieter; and Mattheiss, Eugen, to Cooper Industries, Inc. Torque limiting screw-tightening tool. 4,833,952, 5-30-89, Cl. 81-474.000.
Stein, Eric D., to Buckhorn, Inc. Security box having sliding closure. 4,804,082, 2-14-89, Cl. 206-1.500.
Stein, Eugene S.; Hood, Charles N., II; and Spencer, Charles P., to AMSTED Industries Incorporated. Railcar truck bolster with preassembled friction shoes. 4,825,775, 5-2-89, Cl. 105-198.500.
Stein, Franz, to Claas Ohg. Switching mechanism for driving self-propelling agricultural machines. 4,876,912, 10-31-89, Cl. 74-535.000.
Stein-Gates Medical Equipment, Inc.: *See—*
  Gates, William M., 4,836,198, Cl. 128-205.180.
Stein, Gerald: *See—*
  Dahlmann, Peter; Jachowski, Johannes; Pant, Paul; and Stein, Gerald, 4,865,661, Cl. 148-325.000.
  Jachowski, Johannes; Pant, Paul; Riepe, Udo; and Stein, Gerald, 4,844,747, Cl. 148-2.000.
Stein Geurtey: *See—*
  Braud, Yves; Fromentin, Jean; and Simonnot, Maurice, 4,848,752, Cl. 266-114.000.
Stein, Gunter. Control device for liquid or gaseous medium. 4,821,515, 4-18-89, Cl. 60-494.000.
Stein, Hans P.; Weise, Armin; and Will, Reinhold, to TA Triumph-Adler Aktiengesellschaft. Method and device for restarting typewriters and printers with stepping motor. 4,871,272, 10-3-89, Cl. 400-583.000.
Stein, Harvey L., to Hoechst Celanese Corporation. Composition and process for making porous articles from ultra high molecular weight polyethylene. 4,880,843, 11-14-89, Cl. 521-98.000.
Stein, Hermann; Kainer, Hartmut; and Grimm, Daniel, to Didier-Werke AG. Process for the production of catalysts for the reduction of nitrogen oxides from exhaust gases and similar chemical air cleaning processes. 4,806,427, 2-21-89, Cl. 502-60.000.

Stein, Hermann: *See—*
Flockenhaus, Claus; Laue, Karl H.; Sander, Theo; Hackler, Erich; Levkov, Blagoje; Grimm, Daniel; Kainer, Hartmut; and Stein, Hermann, 4,828,806, Cl. 423-213.500.
Stein Heurtey: *See—*
Marie, Daniel; Rostan, Michel; Luco, Marc; and Thoor, Henry, 4,848,753, Cl. 266-117.000.
Stein Heurtey Societe Anonyme: *See—*
Thoor, Henry A., 4,832,154, Cl. 185-27.000.
Stein Industrie: *See—*
Fournier, Jean; and Casariego, Adrian, 4,809,645, Cl. 122-6.00A.
Fournier, Jean; and Meynard, Paul, 4,825,943, Cl. 165-162.000.
Stein, Israel M.; Goodman, Alan S.; and Romanow, Richard, to Enviro Med, Inc. Containers for medical waste. 4,886,164, 12-12-89, Cl. 206-366.000.
Stein, Ivan W. Fetus learning system. 4,830,007, 5-16-89, Cl. 128-421.000.
Stein, Jacob: *See—*
Eisenberg, Eliahu; Padova, Reuven; Shenfeld, Avner; Hirshfeld, Tsvi; and Stein, Jacob, 4,859,586, Cl. 435-34.000.
Stein, James A. Grease injector for bicycle crank bearings. 4,883,368, 11-28-89, Cl. 384-458.000.
Stein, Jay A., to Hologic, Inc. Bone densitometer. 4,811,373, 3-7-89, Cl. 378-5[illegible].000.
Stein, Jeffrey A., to Richard-Allan Medical Industries, Inc. Surgical clip. 4,844,066, 7-4-89, Cl. 128-325.000.
Stein, Jeffrey A.: *See—*
Brooks, Christopher J.; Stein, Jeffrey A.; and Mulhauser, Paul J., 4,850,355, Cl. 128-325.000.
Stein, Jehuda, to Nestec S.A. Process for the preparation of a sterilized casein-based liquid composition. 4,883,682, 11-28-89, Cl. 426-580.000.
Stein, Jerry Y.: *See—*
Burgess, J. Stuart; Spink, Donald R.; and Stein, Jerry Y., 4,865,817, Cl. 422-163.000.
Spink, Donald R.; and Stein, Jerry Y., 4,889,694, Cl. 423-110.000.
Stein, Judith; Leonard, Tracey M.; and Pratt, Sandra L., to General Electric Company. Shelf stable curable silicone caulking compositions. 4,814,368, 3-21-89, Cl. 524-158.000.
Stein, Judith; Wengrovius, Jeffrey H.; Engle, Lori P.; Gross, David C.; and Hallgren, John E., to General Electric Company. N-silylalkylamides and their use as adhesion promoters in room temperature vulcanizable polydiorganosiloxane compositions. 4,826,915, 5-2-89, Cl. 524-731.000.
Stein, Judith, to General Electric Company. Cyclic aminoalkylsilanes and their use as adhesion promoters in room temperature vulcanizable polydiorganosiloxane compositions. 4,855,351, 8-8-89, Cl. 524-719.000.
Stein, Judith; and Leonard, Tracey M., to General Electric Company. Self-bonding silicone caulking compositions. 4,877,828, 10-31-89, Cl. 524-728.000.
Stein, Judith; and Leonard, Tracey M., to General Electric Company. Shelf stable silicone caulking materials. 4,888,382, 12-19-89, Cl. 524-788.000.
Stein, Judith: *See—*
Wengrovius, Jeffrey H.; Hallgren, John E.; Stein, Judith; and Lucas, Gary M., 4,863,992, Cl. 524-731.000.
Stein, Jutta: *See—*
Babsch, Alfred; Gruener, Manfred; and Stein, Jutta, 4,818,127, Cl. 400-121.000.
Stein, Karl-Ulrich, to Siemens Aktiengesellschaft. Semiconductor pressure sensor with casing and method for its manufacture. 4,823,605, 4-25-89, Cl. 73-727.000.
Stein, Karl-Ulrich, to Siemens Aktiengesellschaft. Optoelectronic coupling element with transparent spacer elements. 4,851,695, 7-25-89, Cl. 250-551.000.
Stein, Karl-Ulrich, to Siemens Aktiengesellschaft. Light emitting diode (LED) display. 4,853,593, 8-1-89, Cl. 313-500.000.
Stein, Kenneth M.: *See—*
Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.
Stein, Locke M. Hot radiator cap and pressure remover. 4,805,493, 2-21-89, Cl. 81-3.440.
Stein, Mark M.: *See—*
Trainor, Diane A.; and Stein, Mark M., 4,880,780, Cl. 514-18.000.
Stein, Martin L.; and Williams, Gregory A., to International Shoe Machine Corporation. Roughing machine for footware upper assemblies and a system that includes the roughing machine but typically includes as well other machines ahead of and following. 4,866,802, 9-19-89, Cl. 12-1.00A.
Stein, Michael H.: *See—*
Puri, Rajen; and Stein, Michael H., 4,883,122, Cl. 166-263.000.
Stein, Paul J.: *See—*
Parker, John P.; and Stein, Paul J., 4,864,564, Cl. 370-94.100.
Stein, Robert A.: *See—*
Garsky, Victor M.; and Stein, Robert A., 4,837,304, Cl. 530-328.000.
Stein, Robert B.: *See—*
Colonno, Richard; Garsky, Victor M.; Hannah, John; Stein, Robert B.; and Tolman, Richard L., 4,845,195, Cl. 530-330.000.
Freidinger, Roger; Hannah, John; Garsky, Victor M.; Stein, Robert B.; and Tolman, Richard L., 4,814,432, Cl. 530-329.000.
Stein, Roger P. Dispenser for fungible goods. 4,809,880, 3-7-89, Cl. 221-204.000.
Stein, Theodore, to MasterCard International, Inc. Electronic funds transfer system with means for verifying a personal identification number without pre-established secret keys. 4,797,920, 1-10-89, Cl. 380-24.000.
Stein, Udo: *See—*
Swinkels, Wilhelmus J. P. M.; Wackerbauer, Karl; and Stein, Udo, 4,867,991, Cl. 426-16.000.
Stein, William L., Sr.; and Lui, Hoi, to General Motors Corporation. Electrical connector with conductor seal lock. 4,832,616, 5-23-89, Cl. 439-279.000.
Stein, William W., to Tektronix, Inc. Method of forming a pattern of conductor runs on a dielectric sheet. 4,851,320, 7-25-89, Cl. 430-198.000.
Stein, William W.; and Miller, Lawrence J., to Tektronix, Inc. Method of forming a pattern of conductor runs on a sheet of dielectric material. 4,889,573, 12-26-89, Cl. 156-89.000.
Steinaway, Veryl F.: *See—*
Corson, James R.; Hubbard, Benjamin W.; and Steinaway, Veryl F., 4,807,353, Cl. 29-568.000.
Steinbach, Hans-Horst; Ackermann, Jurgen; and Schlak, Ottfried, to Bayer Aktiengesellschaft. Low temperature lubricating oil. 4,818,423, 4-4-89, Cl. 252-49.600.
Steinbach, Hans-Horst; and Wittmann, Bernd, to Bayer Aktiengesellschaft. Skin-protecting or skin-care composition. 4,855,129, 8-8-89, Cl. 424-63.000.
Steinbach, Joachim: *See—*
Bauer, Wolfgang; Keil, Karl-Heinz; Nagl, Gert; Kaiser, Manfred; Steinbach, Joachim; and Sternberger, Klaus, 4,810,254, Cl. 8-554.000.
Steinbach, John, to United Technologies Corporation. Method of reusably sealing a silicone rubber vacuum bag to a mold for composite manufacture. 4,878,979, 11-7-89, Cl. 156-285.000.
Steinbach, Robert, to Chicago Lock Company. Keeper lock for slide fastener. 4,821,539, 4-18-89, Cl. 70-68.000.
Steinbach, Robert, to Chicago Lock Company. Removable handle for T-handle lock assembly. 4,835,998, 6-6-89, Cl. 70-208.000.
Steinbeck, Karl: *See—*
Knops, Hans-Joachim; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; and Reinecke, Paul, 4,797,412, Cl. 514-383.000.
Kramer, Wolfgang; Steinbeck, Karl; Buchel, Karl H.; Brandes, Wilhelm; Hanssler, Gerd; and Reinecke, Paul, 4,847,278, Cl. 514-383.000.
Ohlschlager, Hans; Patzold, Walter; Reuss, Helmut; and Steinbeck, Karl, 4,810,627, Cl. 430-611.000.
Steinbeck, Linn A.: *See—*
Schmidt, Clayton C.; and Steinbeck, Linn A., 4,843,978, Cl. 108-138.000.
Steinberg, Bernard D., to University of Pennsylvania, Trustees of the. Method of target imaging and identification. 4,855,747, 8-8-89, Cl. 342-179.000.
Steinberg, Bernard J., to Executive Fit, Inc. Garment measuring system. 4,868,990, 9-26-89, Cl. 33-15.000.
Steinberg, David H.; and Cortolano, Frank, to Ciba-Geigy Corporation. Stabilizer thiirane derivatives containing hindered phenol groups. 4,797,218, 1-10-89, Cl. 252-47.500.
Steinberg, Fritz: *See—*
Hudspeth, Thomas; and Steinberg, Fritz, 4,890,118, Cl. 343-786.000.
Steinberg, Gerald, to Nasta Industries, Inc. Baseball bat with impact indicator. 4,834,376, 5-30-89, Cl. 273-26.00B.
Steinberg, Jerry I., to Heraeus Incorporated Cermalloy Division. Nitrogen fireable resistor compositions. 4,814,107, 3-21-89, Cl. 252-512.00
Steinberg, Jerry I., to Heraeus Incorporated Cermalloy Division. Non-oxidizing copper thick film conductors. 4,868,034, 9-19-89, Cl. 428-403.000.
Steinberg, Joseph; and McCabe, Raphaela. Executive balls. 4,874,165, 10-17-89, Cl. 273-1.0GC.
Steinberg, Klaus: *See—*
Schnell, Willi; and Steinberg, Klaus, 4,815,957, Cl. 425-140.000.
Steinberger, Ned, to Steinberger Sound Corporation. String tuning and clamping device. 4,878,413, 11-7-89, Cl. 84-314.00N.
Steinberger, Rainer: *See—*
Eberle, Alois; Peter, Erich; and Steinberger, Rainer, 4,834,147, Cl. 139-450.000.
Steinberger Sound Corporation: *See—*
Steinberger, Ned, 4,878,413, Cl. 84-314.00N.
Steinbicker, Richard N.; Townsend, Herbert E.; and Yau, Yung-Heng, to Bethlehem Steel Corporation. Process for improving wear of conductor rolls in electroplating of steel surfaces. 4,840,712, 6-20-89, Cl. 204-28.000.
Steinbiss, Joachim: *See—*
Freitag, Helmut; Steinbiss, Joachim; and Rothe, Anselm, 4,839,29 Cl. 436-170.000.
Steinbock, Rolf. Differential thread for transfer of screw thread forces. 4,846,614, 7-11-89, Cl. 411-307.000.
Steinbrecher, Jurgen K.; and Schnell, Ulrich, to U.S. Philips Corp. Method of determining the position of the tap on a resistance teletransmitter. 4,803,420, 2-7-89, Cl. 324-64.000.
Steinbrink, D. Randall: *See—*
Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D. Randall; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., 4,882,422, Cl. 530-350.000.
Steinbrueck, Edward A.: *See—*
Wagner, Wayne M.; Flemming, Douglas E.; Steinbrueck, Edward A.; and Hoppenstedt, Bruce B., 4,851,015, Cl. 55-20.000.

Steindler, Martin J.: *See—*
Vandegrift, George F.; and Steindler, Martin J., 4,851,124, Cl. 210-638.000.
Steine, Hans-Theo, to Castolin S.A. Method for producing a wear-resistant, titanium-carbide containing layer on a metal base. 4,806,394, 2-21-89, Cl. 427-423.000.
Steine, Hans-Theo: *See—*
Delaplace, Philippe; and Steine, Hans-Theo, 4,794,953, Cl. 137-630.190.
Steinebrunner, Edwin; and Renk, Peter, to Endress u. Hauser GmbH u. Co. Filling level measuring device for measuring the filling level of explosive or aggressive media in a container. 4,850,213, 7-25-89, Cl. 73-290.00V.
Steinegger, Josef: *See—*
Weinmann, Alfred; Steinegger, Josef; Scheucher, Peter; Konstantiniuk, Roland; Leutzendorff, Wolfgang; and Hermann, Hubert, 4,849,116, Cl. 210-770.000.
Steinemann AG: *See—*
Briner, Theodor, 4,865,251, Cl. 237-8.00R.
Steiner, Amalia: *See—*
Maor, Shalom; Pipko, Grigori; Langham, Adrian; Friedman, Nitza; and Steiner, Amalie, 4,836,995, Cl. 423-309.000.
Steiner, Antony F.: *See—*
McCrindle, John A.; Steiner, Antony F.; and Jackson, Andrew M., 4,845,347, Cl. 235-380.000.
Steiner, Carl A.; and Jensen, Henry R., to TM Industrial Supply, Inc. Self cleaning strainer. 4,818,402, 4-4-89, Cl. 210-411.000.
Steiner Company, Inc.: *See—*
Casia Antonio M., 4,886,192, Cl. 222-181.000.
Hartman, Kenneth D.; and Owen, Donald B., 4,826,262, Cl. 312-38.000.
Steiner, Creighton: *See—*
Pochard, Guy; and Steiner, Creighton, 4,878,951, Cl. 134-22.170.
Steiner, Denis: *See—*
Meyrat, Pierre-Andre; Oppliger, Alain; and Steiner, Denis, 4,869,116, Cl. 73-864.340.
Steiner, Eginhard: *See—*
Riediker, Martin; Steiner, Eginhard; Beyeler, Harry; Rembold, Manfred; and Sitek, Franciszek, 4,857,654, Cl. 556-53.000.
Steiner, Ernst, to Grob & Co. Aktiengesellschaft. Contact bar for electrical warp stop motion. 4,838,320, 6-13-89, Cl. 139-351.000.
Steiner, Ernst, to Grob & Co. Aktiengesellschaft. Contact bar for the warp stop motion. 4,854,351, 8-8-89, Cl. 139-353.000.
Steiner, Ernst, to Grob & Co., Aktiengesellschaft. Connecting clamp for warp stop motion. 4,859,195, 8-22-89, Cl. 439-55.000.
Steiner, Eva: *See—*
Salzbrunn, Wolfgang; Steiner, Eva; Wohrer, Wilfried; and Meixner, Otto, 4,876,196, Cl. 435-161.000.
Steiner, Ferdinand; and Rieth, Thomas E., to Pepperidge Farm, Incorporated. Preservative method and preserved fruit or vegetable product, using citric acid, sodium and calcium chloride-containing preservative composition. 4,818,549, 4-4-89, Cl. 426-267.000.
Steiner, George. Slide projector system. 4,865,442, 9-12-89, Cl. 353-109.000.
Steiner, Gerd; Pfister, Juergen; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, to BASF Aktiengesellschaft. 4-substituted 10-cyanomethylenepyrrolo[4,3-e]-benzazepines. 4,866,057, 9-12-89, Cl. 514-215.000.
Steiner, Gerd; Himmele, Walter; Buschmann, Ernst; Teschendorf, Hans-Juergen; and Weifenbach, Harald, to BASF Aktiengesellschaft. 5-phenyl-1,2,3a,4,5,9b-hexahydro-3H-benz(e)indotes preparation and use thereof as drugs. 4,877,807, 10-31-89, Cl. 514-411.000.
Steiner, Gerd; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, to BASF Aktiengesellschaft. 5-substituted 10-cyanomethylenethieno(3,4-B)benzazepines. 4,885,278, 12-5-89, Cl. 514-215.000.
Steiner, Gerd: *See—*
Himmele, Walter; Steiner, Gerd; Teschendorf, Hans-Juergen; and Weifenbach, Harald, 4,824,862, Cl. 514-429.000.
Thyes, Marco; and Steiner, Gerd, 4,845,302, Cl. 568-323.000.
Thyes, Marco; and Steiner, Gerd, 4,857,658, Cl. 562-495.000.
Steiner, Gregory, to Steiner, Gregory A. Portable misting fan. 4,839,106, 6-13-89, Cl. 261-23.000.
Steiner, Gregory A.: *See—*
Steiner, Gregory, 4,839,106, Cl. 261-28.000.
Steiner, Hans; and Mitterndorfer, Alois, to Wilhelm Sedlbauer GmbH. Processing device for local irradiation with visible or invisible light. 4,818,231, 4-4-89, Cl. 433-215.000.
Steiner, Helmut, to Bergische Achsenfabrik Fr. Kotz & Sohne. Wheel-mounting arrangement with emergency bearing surface. 4,811,992, 3-14-89, Cl. 301-105.00R.
Steiner, Herbert: *See—*
Nitzinger, Karl; Gerl, Josef; Steiner, Herbert; and Hess, Helmut, 4,880,955, Cl. 219-10.55R.
Steiner, Janos: *See—*
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
Steiner, Janso: *See—*
Odor, Gyula; Csapo, Frigyes; Szabo, Bela; Szucs, Lajos; Marton, Mihaly; Steiner, Janso; Revesz, Laszlo; Toth, Ferenc; and Weiszengruber, Ferenc, 4,816,142, Cl. 209-3.000.
Steiner, Karl: *See—*
Flamig, Hans; Schutte, Andreas; Schiel, Christian; Steiner, Karl; and Mullner, Josef, 4,878,281, Cl. 29-116.100.
Steiner, Manfred: *See—*
Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,185, Cl. 303-110.000.
Leiber, Heinz; Klinker, Walter; and Steiner, Manfred, 4,824,186, Cl. 303-110.000.
Steiner, Paul A.: *See—*
Browne, James M.; and Steiner, Paul A., 4,874,661, Cl. 428-246.000.
Steiner, Paul R.: *See—*
Clarke, Michael R.; Steiner, Paul R.; and Anderson, Axel W., 4,824,896, Cl. 524-405.000.
Steiner, Richard A., to Rostra Tool Company. Wire stripper. 4,805,302, 2-21-89, Cl. 30-90.100.
Steiner, Richard W.: *See—*
Hallings, Leonard L.; and Steiner, Richard W., 4,878,156, Cl. 362-109.000.
Steiner, Robert A., to Prince Castle Incorporated. Apparatus for preparing scrambled eggs. 4,862,793, 9-5-89, Cl. 99-430.000.
Steiner, Robert E.; and Stanek, Terrence L., to Emerson Electric Co. Humidifier with floating wick assembly and replaceable wick elements. 4,822,533, 4-18-89, Cl. 261-72.100.
Steiner, Robert E.; and Stanek, Terrence L., to Emerson Electric Co. Humidifier with floating wick assembly. 4,865,775, 9-12-89, Cl. 261-24.000.
Steiner, Roland; and Van Meir, Eugene, to Nestec S.A. Device for connecting and draining a pouch. 4,798,605, 1-17-89, Cl. 604-411.000.
Steiner, Ronald M.: *See—*
Gilgenbach, Hubert S.; and Steiner, Ronald M., 4,802,822, Cl. 416-235.000.
Steiner, Ronald O., to Tecumseh Products Company. Fuel cap with tethered anti-splash attachment. 4,884,716, 12-5-89, Cl. 220-202.000.
Steiner, Theodor: *See—*
Graf, Jean-Francois; Hasslin, Hans W.; Schuurman, Hessel J.; Steiner, Theodor; and Wieland, Bruno, 4,853,223, Cl. 424-405.000.
Steiner, Thomas L.; Minnick, Dana T.; Domeshek, Kenneth A.; and Lester, Donald H., Jr., to Celanese Fibers, Inc. Water soluble cellulose acetate microspheres. 4,888,420, 12-19-89, Cl. 536-64.000.
Steiner, Walter. Clothes drying apparatus. 4,802,596, 2-7-89, Cl. 211-197.000.
Steiner, Walter. Clothes drying apparatus. 4,830,202, 5-16-89, Cl. 211-197.000.
Steiner, Walter R.; and Simoncic, Paul A., to Star Technologies, Inc. Multifunction arithmetic logic unit circuit. 4,815,021, 3-21-89, Cl. 364-716.000.
Steiner, Walter R., to Star Technologies, Inc. Geometry processor for graphics display system. 4,862,392, 8-29-89, Cl. 364-522.000.
Steiner, Walter R.: *See—*
Quick, Lee T.; and Steiner, Walter R., 4,868,771, Cl. 364-578.000.
Simoncic, Paul A.; and Steiner, Walter R., 4,825,400, Cl. 364-748.000.
Steiner, Werner. Process for the removal of organic contaminants from soils and sedimenta. 4,801,[illegible], 1-31-89, Cl. 210-634.000.
Steiner, Werner. Process for the removal of organic contaminants from solids. 4,869,825, 9-26-89, Cl. 210-634.000.
Steinert, Klaus-Albrecht: *See—*
Neuthard, Erich; and Steinert, Klaus-Albrecht, 4,809,864, Cl. 220-86.00R.
Steinert, Rosa M. Cigarette holder. 4,873,999, 10-17-89, Cl. 131-259.000.
Steinert, Wolfgang: *See—*
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Steinfield, Robert J.; and Woodruff, Sterling, to Woodfield Products. Accessory holder for ring binder. 4,820,071, 4-11-89, Cl. 402-4.000.
Steinfort, Peter; and Weis, Gilbert, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Removable dental prosthesis. 4,850,869, 7-25-89, Cl. 433-172.000.
Steinfort, Robert S.: *See—*
Levy, Marvin H.; and Steinfort, Robert S., 4,838,947, Cl. 134-7.000.
Steingroever, Erich, to Magnetfabrik Bonn GmbH. Process for the production of elongated articles, especially magnets, from hard powdered materials. 4,818,305, 4-4-89, Cl. 148-103.000.
Steinhardt, Lothar: *See—*
Giehl, K. Ulrich; and Steinhardt, Lothar, 4,800,907, Cl. 134-166.00R.
Steinhart, David L.: *See—*
Winston, Felix J.; and Steinhart, David L., 4,845,911, Cl. 52-456.000.
Steinhauer, Eric; and Lange, Karl-Heinz, to Eyemetrics - Systems AG. Apparatus for photogrammetrically measuring the human head. 4,805,638, 2-21-89, Cl. 128-774.000.
Steinhauer, Peter: *See—*
Gadke, Herbert; Steinhauer, Peter; Jahn, Franz-Xaver; Schade, Bernd; and Graf, Werner, 4,834,150, Cl. 141-98.000.
Steinhaus GmbH: *See—*
Wolff, Kurt, 4,885,040, Cl. 156-244.180.
Steinhaus, Ing. H., to Energietechnik. Method of and system for cleaning and/or drying the inner walls of pipelines. 4,849,026, 7-18-89, Cl. 134-22.120.
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- Steinhauser, Walter J.: *See—*
  - Rossini, Robert S.; and Steinhauser, Walter J., 4,819,316, Cl. 29-160.600.
- Steinhilber, Helmut. Desk with an additional lectern. 4,802,714, 2-7-89, Cl. 312-196.000.
- Steinhilber, Helmut. Control system for sheet-feeding device for printing apparatus. 4,863,153, 9-5-89, Cl. 271-9.000.
- Steinhilber, Helmut. Folding standup desk. 4,865,403, 9-12-89, Cl. 312-196.000.
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- Steinicke, Wolfgang; Schiessl, Alois; and Busel, Horst, to Buck Chemisch-Technische Werke GmbH & Co. Projectile. 4,860,657, 8-29-89, Cl. 102-334.000.
- Steiniger, Wolfgang: *See—*
  - Hensgen, Gerhard; Steiniger, Wolfgang; Hinz, Werner; Oesterling, Erwin; and Schlisio, Siegfried, 4,870,748, Cl. 29-773.000.
- Steinijans, Volker: *See—*
  - Benedikt, Gerald; and Steinijans, Volker, 4,803,080, Cl. 424-488.000.
- Steininger, Eduard; and Steininger, Udo. Automated video system with alignment of the video tube. 4,848,744, 7-18-89, Cl. 273-1.00E.
- Steininger, Jacques M. Mounting means for water chemistry analysis device. 4,801,386, 1-31-89, Cl. 324-438.000.
- Steininger, Udo: *See—*
  - Steininger, Eduard; and Steininger, Udo, 4,848,744, Cl. 273-1.00E.
- Steinkamp, John O.; Ball, Garry L.; and Radke, Daniel D., to Ford New Holland, Inc. Loader bucket transport link. 4,884,940, 12-5-89, Cl. 414-715.000.
- Steinkamper, Reinhard: *See—*
  - Peitzmeier, Karl; and Steinkamper, Reinhard, 4,854,142, Cl. 70-186.000.
- Steinke, Alexander: *See—*
  - Bokers, Franz-Josef; and Steinke, Alexander, 4,827,063, Cl. 376-439.000.
- Steinke, Rudi: *See—*
  - Groll, Werner; Steinke, Rudi; and Schiwiora, Harry, 4,806,306, Cl. 420-467.000.
- Steinkohl, Anton: *See—*
  - Kreutzer, Karl; Simmat, Fritz; Steinkohl, Anton; and Englisch, Wolfgang, 4,842,628, Cl. 65-3.120.
- Steinkraus, Walter J.; Woods, John; Rooney, John M.; Jacobine, Anthony F.; and Glaser, David M., to Loctite Corporation. Thiolene compositions on based bicyclic 'ene compounds. 4,808,638, 2-28-89, Cl. 522-24.000.
- Steinle, Shelton; Sturtz, John P.; Dayal, Yogeshwar; and Wimpee, Lealon C., to General Electric Company. Permeation cell gas detector. 4,858,461, 8-22-89, Cl. 73-23.000.
- Steinlein, Rudolf F., to Alexander Schoeller & Co., Ag. Plastic stackable bottle case. 4,846,365, 7-11-89, Cl. 220-21.000.
- Steinleitner, Gunther; Mennicke, Stefan; Feindler, Philbert; Klein, Herbert; and Maldonado-Zagal, Sigisfredo, to BBC Brown Boveri Aktiengesellschaft. Electrochemical storage cell. 4,853,303, 8-1-89, Cl. 429-104.000.
- Steinman, Arnold J.; Yost, Michael G.; and Gehlke, Donald A., to Ion Systems, Inc. Self-regulating air ionizing apparatus. 4,809,127, 2-28-89, Cl. 361-213.000.
- Steinman, Gary D. Process for measuring sodium levels in biological fluids. 4,812,400, 3-14-89, Cl. 435-21.000.
- Steinman, Jack. Quick-release assembly for rupture disc insert type holder and the like. 4,842,004, 6-27-89, Cl. 137-68.100.
- Steinman, Martin: *See—*
  - Hou, Donald; Wong, Yee-Shing; Gala, Dinesh; and Steinman, Martin, 4,876,338, Cl. 540-357.000.
- Steinman, Sheldon: *See—*
  - Buron, Douglas J.; Steinman, Sheldon; and Wray, Donald L., 4,858,070, Cl. 361-384.000.
- Steinmann, Alfred, to Ciba-Geigy Corporation. Substituted o-phthalaldehydes. 4,820,829, 4-11-89, Cl. 556-87.000.
- Steinmann, Detlef; and Lipp, Alfred, to Elektroschmelzwerk Kempten GmbH. Polycrystalline sintered articles based on silicon nitride and sintering additives. 4,814,301, 3-21-89, Cl. 501-92.000.
- Steinmann, Donna: *See—*
  - Burlage, Bonnie; Steinmann, Donna; and Reiman, Margaret, 4,841,961, Cl. 128-876.000.
- Steinmann, Hardy, to Watchout Fashions, Inc. Multiple configuration adjustable watch and band. 4,855,974, 8-8-89, Cl. 368-282.000.
- Steinmann, Joachim, to Klober GmbH & Co. Work chair comprising a swivelling seat shell. 4,858,993, 8-22-89, Cl. 297-302.000.
- Steinmeier, Roland: *See—*
  - Ott, Walter H.; Steinmeier, Roland; and Zurcher, Werner, 4,831,971, Cl. 123-25.00A.
- Steinmetz, Guenter: *See—*
  - Bohn, Gerhard; Steinmetz, Guenter; and Steenbeck, Ulf, 4,796,724, Cl. 181-106.000.
- Steinmetz, Guy R.; Rule, Mark; Agreda, Victor H.; and Treece, Lanney C., to Eastman Kodak Company. Process for the co-production of aromatic carboxylates and alkyl iodides. 4,803,296, 2-7-89, Cl. 560-80.000.
- Steinmetz, Guy R.; and Rule, Mark, to Eastman Kodak Company. Carbonylation process for preparation of aromatic carboxylic esters and an alkyl iodide. 4,806,676, 2-21-89, Cl. 560-80.000.
- Steinmetz, Guy R.; and Rule, Mark, to Eastman Kodak Company. Carbonylation process for the production of aromatic. 4,845,273, 7-4-89, Cl. 562-406.000.
- Steinmetz, Guy R.; and Rule, Mark, to Eastman Kodak Company. Preparation of aromatic carboxylic acids. 4,845,280, 7-4-89, Cl. 562-406.000.
- Steinmetz, Guy R.; and Rule, Mark, to Eastman Kodak Company. Process for the co-production of aromatic carboxylates and alkyl iodides. 4,847,406, 7-11-89, Cl. 560-80.000.
- Steinmetz, Guy R.; and Rule, Mark, to Eastman Kodak Company. Process for the co-production of aromatic carboxylates and alkyl iodides. 4,851,564, 7-25-89, Cl. 560-80.000.
- Steinmetz, Guy R.; Edgar, Kevin J.; and Falling, Stephen N. Process for the carbonylation of iodoaromatic compounds. 4,885,384, 12-5-89, Cl. 562-406.000.
- Steinmetz, Guy R.: *See—*
  - Rule, Mark; Larkins, Thomas H., Jr.; Lane, Donald W.; and Steinmetz, Guy R., 4,827,018, Cl. 560-80.000.
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- Steinmetz, Harold F.; and Wisdom, Gerald H., to United States of America, Air Force. Automatic fin deployment mechanism. 4,884,766, 12-5-89, Cl. 244-3.270.
- Steinmetz, Rene, to Rutishauser Data AG. Coupling, especially for an apparatus for feeding recording carriers to the platen of an office machine and apparatus with such couplings. 4,799,813, 1-24-89, Cl. 400-629.000.
- Steinpichler, Dietmar; and Osterreicher, Gerhard W. Pattern recognition process. 4,843,631, 6-27-89, Cl. 382-43.000.
- Steinsdorfer, Lothar: *See—*
  - Peuke, Helmut; Riedel, Gerd; and Steinsdorfer, Lothar, 4,832,254, Cl. 228-174.000.
- Steinseifer, Dieter, to U.S. Philips Corporation. Arrangement for measuring the stress of mounted driving belts. 4,846,000, 7-11-89, Cl. 73-862.470.
- Steinsland, Odd S.: *See—*
  - Albrecht, Thomas; Lee, Chan H.; and Steinsland, Odd S., 4,849,412, Cl. 514-46.000.
- Steinstrasser, Axel: *See—*
  - Oberhausen, Erich; Kuhlmann, Ludwig; Seibert, Gerhard; Steinstrasser, Axel; Schroth, Hans-Joachim; and Bremer, Karl-Heinz, 4,885,151, Cl. 424-1.100.
- Steinstrasser, Frank; and Rossol, Gerhard, to BBC Brown Boveri Aktiengesellschaft. Apparatus for the pyrolysis of waste material. 4,849,057, 7-18-89, Cl. 202-96.000.
- Steinstrasser, Frank: *See—*
  - Hauser, Ulrich; and Steinstrasser, Frank, 4,851,084, Cl. 201-1.000.
- Steixner, Fritz, to Rivi Establishment. Apparatus for heating liquid media by infrared irradiation. 4,800,252, 1-24-89, Cl. 219-306.000.
- Steketee, Campbell H., Jr., to Nu-Pipe, Inc. Process for installing a new pipe inside an existing pipeline. 4,867,921, 9-19-89, Cl. 264-36.000.
- Steklenski, David J.: *See—*
  - Bakos, Vincent W.; and Steklenski, David J., 4,804,595, Cl. 429-194.000.
- Stelben, John J.: *See—*
  - Linkowski, William J.; and Stelben, John J., 4,843,572, Cl. 364-519.000.
  - Sansone, Ronald P.; and Stelben, John J., 4,817,002, Cl. 364-200.000.
- Stelco Inc.: *See—*
  - Greenhow, David, 4,810,016, Cl. 294-67.210.
  - Heyer, Klaus W.; Minion, Richard L.; and Pavlica, Aleksandar, 4,834,346, Cl. 266-143.000.
  - Prenn, Otto E., 4,838,062, Cl. 72-41.000.
- Stell, Donald: *See—*
  - Broderick, Kevin; Catchman, Vernon C.; Herrington, Fox J.; Johnston, Shirley K.; Olson, Robert H.; and Stell, Donald, 4,850,946, Cl. 493-194.000.
- Stella, Domenico: *See—*
  - Grattarola, Maurizuo; and Stella, Domenico, 4,884,464, Cl. 74-50.000.
- Stella, Giandomenico, to Exxon Chemical Patents Inc. Curable rubber composition. 4,882,386, 11-21-89, Cl. 525-133.000.
- Stella, Joseph A.: *See—*
  - Morse, John B.; and Stella, Joseph A., 4,831,397, Cl. 354-212.000.
- Stellar Computer, Inc.: *See—*
  - Morton, Milton A.; Darnell, Peter A.; Cooprider, Lee W.; and Bray, Gary, 4,829,422, Cl. 364-200.000.
- Steller, William S.; and Keintz, Roger C., to American Cyanamid Company. Herbicidal aqueous compositions of imidazolinone herbicides. 4,816,060, 3-28-89, Cl. 71-92.000.
- Steller, William S.: *See—*
  - Pasarela, Nunzio R.; and Steller, William S., 4,871,388, Cl. 71-92.000.
- Stellmach, Dieter: *See—*
  - Limberger, Alois; Nolte, Bernhard; Stellmach, Dieter; and Wyss, Hans J., 4,867,589, Cl. 400-248.000.
- Stellram, S.A.: *See—*
  - Grunsky, Manfred, 4,813,824, Cl. 408-59.000.
  - Grunsky, Manfred, 4,826,364, Cl. 408-59.000.
- Stellwagen, Armin: *See—*
  - Kreth, Norbert; Schmitt, Martin; and Stellwagen, Armin, 4,850,191, Cl. 60-422.000.
  - Widmann, Karlheinz; Kreth, Norbert; Schmitt, Martin; and Stellwagen, Armin, 4,856,278, Cl. 60-423.000.
- Stelmack, Gerard G.: *See—*
  - Guscott, John K.; Stelmack, Gerard G.; and Boulos, Charles A., 4,875,029, Cl. 340-567.000.

- Stelman, David, to United States of America, Energy. Contactor/filter improvements. 4,880,608, 11-14-89, Cl. 423-244.000.
- Stelron Components: *See—*
  - Beezer, William E.; and Beezer, Earl F., 4,881,356, Cl. 53-53.000.
- Stelron Components, Inc.: *See—*
  - Forthmann, Frederick, 4,823,660, Cl. 83-123.000.
- Steltenkamp, Robert J., to Colgate-Palmolive Company. N-alkyl neotridecanamide insect repellents. 4,804,683, 2-14-89, Cl. 514-629.000.
- Steltenkamp, Robert J., to Colgate-Palmolive Co. Through the wash fabric conditioning compositions. 4,828,722, 5-9-89, Cl. 252-8.800.
- Stelts, Philip D.: *See—*
  - Fioravanti, Kenneth J.; Kern, David W.; and Stelts, Philip D., 4,869,749, Cl. 75-58.000.
- Stelzer, Edward L., to Digital Equipment Corporation. Programmed ratio mechanical transmission. 4,875,635, 10-24-89, Cl. 242-67.30R.
- Stelzel, Werner: *See—*
  - Bister, Erhard; Huth, Hans-Ullrich; and Stelzel, Werner, 4,871,594, Cl. 427-430.100.
- Stem, Stephen C.; and Evans, Wayne E., to Shell Oil Company. Isomerization process with preliminary normal paraffin and mono-methyl paraffin feed capture step. 4,855,529, 8-8-89, Cl. 585-737.000.
- Stem, Stephen C.: *See—*
  - Evans, Wayne E.; and Stem, Stephen C., 4,804,802, Cl. 585-734.000.
- Stembridge, W. Frank: *See—*
  - Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,798,232, Cl. 141-1.000.
  - Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,817,689, Cl. 141-198.000.
  - Stembridge, William F.; Sturrock, James C.; and Stembridge, W. Frank, 4,883,100, Cl. 141-1.000.
- Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., to Coca-Cola Company, The. Automatic control system for filling beverage containers. 4,798,232, 1-17-89, Cl. 141-1.000.
- Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., to Coca-Cola Company, The. Automatic control system for filling beverage containers. 4,817,689, 4-4-89, Cl. 141-198.000.
- Stembridge, William F.; Sturrock, James C.; and Stembridge, W. Frank. Automatic control system for filling beverage containers. 4,883,100, 11-28-89, Cl. 141-1.000.
- Stemcor: *See—*
  - Ten Eyck, John D., 4,863,700, Cl. 422-179.000.
- Stemcor Corporation: *See—*
  - Boecker, Wolfgang D. G.; and Hailey, Laurence N., 4,871,108, Cl. 228-122.000.
  - Cerdan-Diaz, Juan M.; Sanders, Michael J.; and Wellar, Mark E., 4,822,679, Cl. 428-392.000.
  - Deren, Gary W., 4,803,822, Cl. 52-506.000.
  - Deren, Gary W., 4,850,171, Cl. 52-506.000.
  - Deren, Gary W., 4,885,890, Cl. 52-506.000.
  - Frechette, Francis J.; Kasprzyk, Martin R.; McDowell, Douglas J.; and Zanghi, Joseph S., 4,795,673, Cl. 428-331.000.
  - Tressler, Richard E.; and Boeglin, Herman J., 4,798,764, Cl. 428-312.600.
  - Waisala, Steven J.; and Sane, Ajit Y., 4,868,142, Cl. 501-85.000.
- Stemerick, David M.: *See—*
  - Edwards, Michael L.; Sunkara, Sai P.; and Stemerick, David M., 4,863,968, Cl. 514-646.000.
- Stemkens, Matheas T. M.: *See—*
  - Joosten, Louis G. J.; and Stemkens, Matheas T. M., 4,868,675, Cl. 358-296.000.
- Stemm, Howard W.: *See—*
  - Jansma, Donald; and Stemm, Howard W., 4,856,540, Cl. 131-339.000.
  - Jansma, Donald; and Stemm, Howard W., 4,877,040, Cl. 131-189.000.
- Stemme, Nils G., to Swema Instrument Aktiebolag. Integrated semiconductor circuit and method for producing it, and use of such a circuit for providing a flow meter. 4,843,445, 6-27-89, Cl. 357-28.000.
- Stemmer, Frank, to Mannesmann Rexroth GmbH. Hydraulic control system for a multi-position valve. 4,862,919, 9-5-89, Cl. 137-624.270.
- Stemmer, Gottfried, Jr., to Geimuplast Peter Mundt GmbH & Co. KG. Film jacket for flat articles, particularly slide frames. 4,848,576, 7-18-89, Cl. 206-456.000.
- Stemmle, Berthold; Wirl, Alexander; and Demmer, Fritz, to Boehringer Mannheim GmbH. Method for making a guar flour chewable dosage unit. 4,828,839, 5-9-89, Cl. 424-452.000.
- Stemmle, Berthold: *See—*
  - Demmer, Fritz; and Stemmle, Berthold, 4,859,472, Cl. 424-489.000.
- Stemmle, Denis J., to Xerox Corporation. Sheet stackers. 4,807,866, 2-28-89, Cl. 271-209.000.
- Stemmle, Denis J., to Xerox Corporation. Sheet transporting apparatus. 4,858,909, 8-22-89, Cl. 271-184.000.
- Stemmons, Duane G.; and Noonan, John P., to Boeing Company, The. Computer network interconnecting apparatus. 4,839,531, 6-13-89, Cl. 307-17.000.
- Stemniski, John R.: *See—*
  - Coccoli, Joseph D.; Stemniski, John R.; and Cardarelli, Donato, 4,796,968, Cl. 350-96.150.
- Stemp, Geoffrey: *See—*
  - Evans, John M.; and Stemp, Geoffrey, 4,800,212, Cl. 514-424.000.
  - Evans, John M.; Stemp, Geoffrey; Nicholson, Charles D.; and Angersbach, Dieter, 4,808,619, Cl. 514-278.000.
  - Evans, John M.; Stemp, Geoffrey; and Cassidy, Frederick, 4,812,459, Cl. 514-254.000.
- Stempfle, Johann: *See—*
  - Babsch, Alfred; Beth, Dieter; Panzer, Werner; and Stempfle, Johann, 4,827,124, Cl. 250-231.0SE.
- Stempien, Vincent M., to ITT Corporation. Window track assembly for modular vehicle door. 4,794,734, 1-3-89, Cl. 49-374.000.
- Sten, Urpo: *See—*
  - Kahkipuro, Matti; Sten, Urpo; Nummi, Pekka; and Hytti, Pekka, 4,799,139, Cl. 363-95.000.
- Stenbacka, Rolf. Method of producing fusion reactions and apparatus for a fusion reactor. 4,853,173, 8-1-89, Cl. 376-123.000.
- Stencel, Edgar L., to Northrop Corporation. Composite fastener system and manufacturing method thereof. 4,824,314, 4-25-89, Cl. 411 378.000.
- Stenczinger, Sandor: *See—*
  - Grimm, Istvan; Stenczinger, Sandor; Bolla, Istvan; and Csanyi, Istvan, 4,876,790, Cl. 29-603.000.
- Stendel, Wilhelm: *See—*
  - Fuchs, Rainer; and Stendel, Wilhelm, 4,853,477, Cl. 558-398.000.
  - Gehring, Reinhold; Korte-Jensen, Uta; Schallner, Otto; Stetter, Jorg; Becker, Benedikt; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,863,937, Cl. 514-333.000.
  - Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; and Stendel, Wilhelm, 4,803,215, Cl. 514-407.000.
  - Jensen-Korte, Uta; Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Wroblowsky, Heinz-Jurgen; Becker, Benedikt; Homeyer, Bernhard; Behrenz, Wolfgang; Stendel, Wilhelm; and Andrews, Peter, 4,804,675, Cl. 514-407.000.
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  - Maurer, Fritz; Sommer, Herbert; Behrenz, Wolfgang; Homeyer, Bernhard; and Stendel, Wilhelm, 4,882,321, Cl. 514-86.000.
  - Muller, Nikolaus; Bonse, Gerhard; Andrews, Peter; Stendel, Wilhelm; and Steffens, Robert, 4,804,655, Cl. 514-100.000.
  - Naumann, Klaus; Braden, Rudolf; Behrenz, Wolfgang; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,820,735, Cl. 514-531.000.
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  - Sirrenberg, Wilhelm; Klauke, Erich; Zoebelein, Gerhard; Becker, Benedikt; and Stendel, Wilhelm, 4,826,988, Cl. 548-125.000.
  - Wolf, Hilmar; Becker, Benedikt; Homeyer, Bernhard; and Stendel, Wilhelm, 4,831,036, Cl. 514-258.000.
- Stender, Egon: *See—*
  - Schroder, Gerd; and Stender, Egon, 4,810,038, Cl. 299-18.000.
- Stene, Susan L.: *See—*
  - Dibble, Gary L.; Reynolds, James H.; and Stene, Susan L., 4,804,338, Cl. 439-583.000.
- Stenemann, Bruno, to Gerd Und Bernd Vieler KG. Display counter. 4,842,349, 6-27-89, Cl. 312-116.000.
- Stengard, Peter, to Asea Brown Boveri AB. Surge arrester. 4,853,670, 8-1-89, Cl. 338-21.000.
- Stenger, Antoine: *See—*
  - Pitet, Guy; Cousse, Henri; Stenger, Antoine; Briley, Michel; and Chopin, Philippe, 4,851,411, Cl. 514-242.000.
- Stenger, Claudia V.; and Huang, Shu-Jen W., to Nalco Chemical Company. Cationic coagulants plus collidal silica for use in paint detackification. 4,863,615, 9-5-89, Cl. 210-712.000.
- Stenger, Gerhard W.: *See—*
  - Debus, Walter, Jr.; and Stenger, Gerhard W., 4,831,382, Cl. 341-200.000.
- Stengl, Gerhard; and Loschner, Hans, to Ionen Mikrofabrikations Systeme Gesellschaft mbH. Ion-projection lithographic apparatus with means for aligning the mask image with the substrate. 4,823,011, 4-18-89, Cl. 250-491.100.
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- Stengl, Gerhard: *See—*
  - Loschner, Hans; and Stengl, Gerhard, 4,835,392, Cl. 250-492.200.
- Stengl, Reinhard J.: *See—*
  - Goesele, Ulrich M.; and Stengl, Reinhard J., 4,883,215, Cl. 228-116.000.
- Stenkvist, Sven-Einar: *See—*
  - Rappinger, Bo; and Stenkvist, Sven-Einar, 4,853,941, Cl. 373-72.000.
- Stenlund, Berndt: *See—*
  - Andersson, Lars; Stenlund, Berndt; and Wiberg, Rolf, 4,818,497, Cl. 422-179.000.
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- Stenlund, Stig, to Hypeco AB. Combined filter and heat exchanger. 4,878,536, 11-7-89, Cl. 165-119.000.
- Stenman, Rolf: *See—*
  - Eriksson, Klas-Goran; and Stenman, Rolf, 4,848,681, Cl. 241-183.000.

Stenqvist, Jan N., to Fas Converting Machinery Aktiebolag. Method and machine for manufacturing rolls of bags. 4,858,844, 8-22-89, Cl. 242-67.10R.
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Stenson, John F. Rigid insulation corner fastener. 4,803,823, 2-14-89, Cl. 52-506.000.
Stenstrom, Lennart, to Alfastar AB. Heat stable microwave energy sterilization method. 4,808,783, 2-28-89, Cl. 219-10.55M.
Stenstrom, Lennart; Wahlstrom, Lennart; and Lindstrom, Bjorn, to Alfastar AB. Heat treating cassette for a conveyor apparatus. 4,816,231, 3-28-89, Cl. 422-300.000.
Stenstrom, Lennart; and Akerstedt, Allan, to Asea Brown Boveri AB. Overvoltage protective circuit. 4,860,156, 8-22-89, Cl. 361-128.000.
Stentiford, Frederick W. M., to British Telecommunications public limited company. Pattern recognition system. 4,817,171, 3-28-89, Cl. 382-19.000.
Stenudd, Sven G. V., to Facit Aktiebolag. Method of moving print elements in printheads and a printhead with moving mechanism for print elements. 4,877,342, 10-31-89, Cl. 400-121.000.
Stenvall, Kurt. Arm rest device. 4,822,103, 4-18-89, Cl. 297-411.000.
Stenzel, Otto; and Thomas, Friedrich-Werner, to Leybold Aktiengesellschaft. Apparatus for controlling the distance of a melting electrode from the surface of the melted material in a vacuum arc furnace. 4,797,897, 1-10-89, Cl. 373-105.000.
Stenzel, Otto; Muller, Felix; Bruckmann, Gerhard; and Choudhury, Alok, to Leybold Aktiengesellschaft. Fault detection during remelt of electrodes into blocks. 4,881,239, 11-14-89, Cl. 373-70.000.
Stenzel, Peter: *See—*
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Stenzenberger, Horst, to Boots Company plc, The. Bisimide/-polyhydantoin curable resins. 4,806,419, 2-21-89, Cl. 428-287.000.
Stenzenberger, Horst; and Koenig, Peter, to Technochemie GmbH. Curable resin from bis-maleimide and alkenyl phenyl hydroxy ether. 4,871,821, 10-3-89, Cl. 526-262.000.
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Dudzinski, Zdzislaw; and Adams, Phillip, 4,795,834, Cl. 564-479.000.
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Roberts, George W.; Sircar, Shivaji; and Stepanoff, Paul, 4,859,435, Cl. 423-219.000.
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Stephen, James C.: *See—*
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Nelson, Richard V.; and Stephen, John F., 4,851,461, Cl. 524-98.000.
Nelson, Richard V.; and Stephen, John F., 4,883,831, Cl. 524-100.000.
Nelson, Richard V.; and Stephen, John F., 4,883,860, Cl. 524-98.000.
Nelson, Richard V.; and Stephen, John F., 4,889,882, Cl. 524-100.000.
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Stephens, Alan, to B.H.F. (Engineering) Limited. Electrically heated forehearth. 4,803,698, 2-7-89, Cl. 373-27.000.
Stephens, Albert L., Jr. Key holder. 4,847,955, 7-18-89, Cl. 24-3.00K.
Stephens, Anthony L. Dispensing apparatus. 4,810,097, 3-7-89, Cl. 366-9.000.
Stephens, Anthony L. Dispensing apparatus. 4,865,227, 9-12-89, Cl. 222-135.000.
Stephens, Charles E.: *See—*
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Biere, Helmut; Huth, Andreas; Rahtz, Dieter; Schmiechen, Ralph; Seidelmann, Dieter; Stephens, David N.; Engelstoft, Mogens; and Hansen, John B., 4,877,792, Cl. 514-292.000.
Stephens, Donald L., to Paccar Inc. Method and apparatus for calculating corrected vehicle fuel economy. 4,845,630, 7-4-89, Cl. 364-442.000.
Stephens, Donald L., to Paccar Inc. Sway bar for an engine mounting. 4,850,448, 7-25-89, Cl. 180-299.000.
Stephens, Donald L.; and Saunders, James, to Paccar Inc. Axle suspension system. 4,856,812, 8-15-89, Cl. 280-678.000.
Stephens, George T.: *See—*
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Stephens, Joseph C.; Smith, Lawrence E.; and Boyer, Michael E., to Thomson Consumer Electronics, Inc. High voltage regulator in a television apparatus. 4,812,719, 3-14-89, Cl. 315-411.000.
Stephens, L. Keith, to International Business Machines Corp. Interactive display for trend or bar graph. 4,847,785, 7-11-89, Cl. 364-518.000.
Stephens, Michael R.: *See—*
Fincher, Jeffrey L.; and Stephens, Michael R., 4,872,073, Cl. 360-51.000.
Stephens, Norman M.; and McRae, John B., to Diamond Arch Systems Canada Inc. Building panel. 4,821,471, 4-18-89, Cl. 52-81.000.
Stephens, Richard B., to General Atomics. Method and apparatus for the enhancement of superconductive materials. 4,828,685, 5-9-89, Cl. 209-11.000.
Stephens, Sally I.; Hamel, Lawrence G.; Barclay, Glen E.; and Wong, Patrick S. L., to Alza Corporation. Chlorpheniramine therapy. 4,857,330, 8-15-89, Cl. 424-424.000.
Stephens, Sally I.; and Wong, Patrick S. L., to ALZA Corporation. Dosage form with improved delivery capability. 4,863,456, 9-5-89, Cl. 604-892.100.
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Stephens, William F. N., to Renishaw plc. Opto-electronic scale-reading apparatus having spatial filter for wavelength separa 4,879,462, 11-7-89, Cl. 250-237.00G.

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Stephenson, Robert L.; and Rumpel, Harvey R., to Hoover Universal, Inc. Vehicle seat assembly with automatically movable arm rest. 4,881,778, 11-21-89, Cl. 297--17.000.
Stephenson, Roger D.; Walters, James C.; and Richardson, Craig A., to Deere & Company. Hitch adapter for use in connecting semi-integral, PTO-driven implements to tractor three-point hitch. 4,805,927, 2-21-89, Cl. 172-47.000.
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Stepien, Andrew T., to U.S. Philips Corporation. Chromatography apparatus. 4,854,952, 8-8-89, Cl. 55-386.000.
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Steps, Steven C., to Hewlett-Packard Company. Write-back cache system using concurrent address transfers to setup requested address in main memory before dirty miss signal from cache. 4,858,111, 8-15-89, Cl. 364-200.000.
Steranka, Frank M., to Hewlett-Packard Company. Partially opaque substrate red LED. 4,864,371, 9-5-89, Cl. 357-17.000.
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StereoGraphics Corporation: *See—*
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Lipton, Lenny; Berman, Arthur; and Meyer, Lawrence D., 4,884,876, Cl. 350-347.00E.
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Albinsson, Carl G. U., 4,804,015, Cl. 137-614.030.
Arthun, Nils; and Lofgren, Peter, 4,800,023, Cl. 210-644.000.
Lofgren, Peter; and Arthun, Nils, 4,817,687, Cl. 141-65.000.
Lofgren, Peter; and Aarthun, Nils I., 4,819,691, Cl. 137-556.000.
Sterimatic Holdings Limited: *See—*
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Sterimed Gesellschaft fur medizinischen Bedarf mbH: *See—*
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Sterk, Zvonimir, to Siemens Aktiengesellschaft. Pressure vessel having a connection stub with a thermal protector. 4,844,274, 7-4-89, Cl. 220-3.000.
Sterk, Zvonimir, to Siemens Aktiengesellschaft. Steam generator. 4,883,036, 11-28-89, Cl. 122-383.000.
Sterler, Georg; and Bader, Heinz, to Audi AG. Method for testing airbag system release circuit. 4,853,623, 8-1-89, Cl. 324-158.00R.
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Bailey, Denis M., 4,829,084, Cl. 514-517.000.
Bailey, Denis M., 4,839,372, Cl. 514-352.000.
Bailey, Denis M., 4,870,095, Cl. 514-406.000.
Bailey, Denis M.; and Kumar, Virendra, 4,888,352, Cl. 514-406.000.
Bell, Malcolm R., 4,885,295, Cl. 514-235.200.
Bernarducci, Ernest, 4,804,492, Cl. 252-106.000.
Cebula, Crispin R., 4,868,305, Cl. 546-156.000.
D'Ambra, Thomas E.; and Bell, Malcolm R., 4,840,950, Cl. 514-235.200.
D'Ambra, Thomas E.; and Bell, Malcolm R., 4,874,761, Cl. 514-235.200.
Deshpande, Vikas M.; Waits, John M.; and Decker, Susan A., 4,847,076, Cl. 424-71.000.
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Diana, Guy D.; and Carabateas, Philip M., 4,857,539, Cl. 514-378.000.
Diana, Guy D.; and Carabateas, Philip M., 4,861,791, Cl. 514-374.000.
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Harrison, Paul J.; Langridge, John R.; and Potter, Christopher J., 4,806,361, Cl. 424-495.000.
Jethwa, Anil P., 4,869,934, Cl. 427-393.500.
Karasin, Craig E.; and Thompson, Joseph, 4,878,774, Cl. 401-15.000.
Keister, Don M., 4,870,068, Cl. 514-172.000.
Lesher, George Y., 4,839,355, Cl. 514-224.500.
Miner, William S., 4,833,133, Cl. 514-172.000.
Schlegel, Donald C.; and Johnson, Robert E., 4,835,180, Cl. 514-523.000.
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Thompson, Joseph, 4,856,673, Cl. 220-94.00R.
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Woodroof, E. Aubrey, 4,820,302, Cl. 623-8.000.
Woodroof, E. Aubrey, 4,828,561, Cl. 623-8.000.
Sterling, Edward L., Jr.; and Thompson, William L., to Babcock & Wilcox Company, The. On-line serial communication interface from a current loop to a computer and/or terminal. 4,816,703, 3-28-89, Cl. 307-475.000.
Sterling Engineered Products Inc.: *See—*
Cakmakci, Mehmet Y., 4,836,968, Cl. 264-177.190.
Guy, Robert R., 4,808,450, Cl. 428-31.000.
Hinduja, Murli; Thompson, Mark L.; and Spriggs, John R., 4,875,363, Cl. 73-56.000.
Smith, Andrew C., 4,830,898, Cl. 428-122.000.
Sterling, Joseph F. Indoor outdoor exercise chair. 4,838,547, 6-13-89, Cl. 272-134.000.
Sterling, Mark H.: *See—*
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Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., 4,842,393, Cl. 350-432.000.
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Sterling Plumbing Group, Inc.: *See—*
Marlowe, James L., 4,887,394, Cl. 49-409.000.
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Sterling, Rodney D., to Hughes Aircraft Company. Liquid crystal light valve and associated bonding structure. 4,799,773, 1-24-89, Cl. 350-342.000.
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Sterling, Thomas L.: *See—*
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Sterman, Saul C., to Med Optics Corp. System for tinting contact lenses. 4,872,405, 10-10-89, Cl. 101-44.000.
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Stern, Carl M., to Innova Development Corporation. Security gate operable with one hand. 4,846,246, 7-11-89, Cl. 160-224.000.
Stern, Carl M.: *See—*
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Strowe, Robert J.; Edwards, Floyd V.; and Stern, Carl M., 4,838,857, Cl. 604-67.000.

Stern, David M., to Drexelbrook Engineering Co. Two-wire level measuring instrument. 4,851,831, 7-25-89, Cl. 340-870.160.

Stern, David M.: *See—*

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Stern, David R., to Ambrosia Microcomputer Products, Inc. Emulation circuit for interfacing joystick to ROM cartridge slot of computer. 4,868,780, 9-19-89, Cl. 364-900.000.

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Stagg, Malcolm J.; Stern, Eric P.; and Vidyarthi, Sunil, 4,877,671, Cl. 428-139.000.

Stern, Eric W.: *See—*

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Stern, Howard; Mauro, Alex; Maali, Fereydoun; and Holetsky, Frank, to Robotic Vision Systems, Inc. Robotic sealant calibration. 4,845,639, 7-4-89, Cl. 364-513.000.

Stern, Howard, to Robotic Vision Systems. Sealant flow control for robotic applications. 4,858,172, 8-15-89, Cl. 364-160.000.

Stern, Howard: *See—*

Hecker, Joel; Stern, Howard; and Heydenburg, Tom, 4,830,443, Cl. 350-3.710.

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Stern, Jon L.; Katz, Richard S., Jr.; and Hippely, Keith A., to Cine Coasters, Inc. Universal container holder. 4,795,211, 1-3-89, Cl. 297-194.000.

Stern, Kenneth J.; Sooch, Navdeep S.; and Hein, Jerrell P., to Crystal Semiconductor Corporation. Clock multiplier/jitter attenuator. 4,805,198, 2-14-89, Cl. 375-118.000.

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Stern, Leif E. Container for hazardous detergents. 4,819,677, 4-11-89, Cl. 134-104.200.

Stern, Leif E. Device for cleaning paint distributing channels in spray guns. 4,827,955, 5-9-89, Cl. 134-99.000.

Stern, Leora R. Aromatic cut-flower support. 4,827,[illegible]3, 5-9-89, Cl. 47-41.130.

Stern, Mark N.: *See—*

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Stern, Morton; and Williams, James, to Motorola, Inc. Colocated cellular radiotelephone systems. 4,799,253, 1-17-89, Cl. 379-59.000.

Stern, Richard A.; and Babbitt, Richard W., to United States of America, Army. Microstrip resonance isolator. 4,806,886, 2-21-89, Cl. 333-24.200.

Stern, Richard A.; and Babbitt, Richard W., to United States of America, Army. Millimeter wave microstrip phase shifter. 4,816,787, 3-28-89, Cl. 333-158.000.

Stern, Richard A.; and Babbitt, Richard W., to United States of America, Army. Microstrip phase scan antenna array. 4,839,659, 6-13-89, Cl. 343-700.0MS.

Stern, Richard A.; and Leupold, Herbert A., to United States of America, Army. Tetrahedral junction waveguide switch. 4,843,357, 6-27-89, Cl. 333-258.000.

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Sternberger, Joe E., to Boeing Company, The. Retracting device. 4,819,894, 4-11-89, Cl. 244-137.400.

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Stettler, Werner, Jr., to Deere & Company. Differential lock with non-rotating hydraulically actuated piston. 4,867,010, 9-19-89, Cl. 74-710.500.

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Stevens, David P., to Armatron International, Inc. Insect electrocution apparatus and method of operation. 4,807,390, 2-28-89, Cl. 43-112.000.

Stevens, Douglas C.; and Fox, Henry G., to Tektronix, Inc. Sweep generator error characterization. 4,868,465, 9-19-89, Cl. 315-392.000.

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Stevens, Robert C., to Cordis Corporation. Method and apparatus for aiding dilatation catheterization. 4,798,586, 1-17-89, Cl. 604-96.000.

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Stevens, Ward C., to Advanced Technology Materials, Inc. Sol gel formation of polysilicate, titania, and alumina interlayers for enhanced adhesion of metal films on substrates. 4,839,402, 6-13-89, Cl. 523-200.000.

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Stevenson, Hildreth W.: *See*—

Roemke, Lowell W.; and Stevenson, Hildreth W., 4,797,306, Cl. 427-261.000.

Stevenson, James A. Styling comb for use in hair treatments. 4,815,484, 3-28-89, Cl. 132-161.000.

Stevenson, James T.: *See*—

Bakka, Charles M.; Sims, Roger D.; and Stevenson, James T., 4,838,744, Cl. 410-53.000.

Stevenson, John. Grinding wheel dressing apparatus. 4,875,460, 10-24-89, Cl. 125-11.0DF.

Stevenson, John C. Internal combustion engine. 4,862,841, 9-5-89, Cl. 123-52.0MV.

Stevenson, John S.: *See*—

Becker, Michael W.; Robin, Allen M.; and Stevenson, John S., 4,828,579, Cl. 48-69.000.

Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.

Stevenson, Lawrence O., to Bell of Pennsylvania. Heat shrinkable strain relief device and method of forming same. 4,849,582, 7-18-89, Cl. 174-135.000.

Stevenson, Michael. Diver's sled. 4,813,367, 3-21-89, Cl. 114-315.000.

Stevenson, Paul E.: *See*—

Yoder, Douglas J.; Brown, Ronald E.; Stevenson, Paul E.; Hornback, Donald L.; and Leisure, Ronald K., 4,885,621, Cl. 357-26.000.

Stevenson, Paul W. Trapshooting target. 4,801,150, 1-31-89, Cl. 273-362.000.

Stevenson, Richard B.: *See*—

Schulman, Marvin; Hannah, Harry; Stevenson, Richard B.; and Case, Gerald P., 4,820,538, Cl. 426-533.000.

Stevenson, Robert L. Removable skirt and trouser clip for garment hanger. 4,802,265, 2-7-89, Cl. 24-335.000.

Stevenson, Vernon L.: *See*—

Becera, San J.; and Stevenson, Vernon L., 4,863,166, Cl. 273-26.00A.

Stevenson, Walter R.; and Kelman, Arthur, to Sandoz, Ltd. Novel bactericidal use. 4,820,699, 4-11-89, Cl. 514-147.000.

Stevenson, William A., to Foster-Miller, Inc. Monitoring technology. 4,798,954, 1-17-89, Cl. 250-341.000.

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Lusignea, Richard W.; and Stevenson, William A., 4,871,595, Cl. 428-1.000.

Stevenson, William H., III: *See*—

Stevenson, William H., IV; Stevenson, William H., III; and Baum, Aulby B., III, 4,838,192, Cl. 114-105.000.

Stevenson, William H., IV; Stevenson, William H., III; and Baum, Aulby B., III. Marine sails with battens and furling systems therefor. 4,838,192, 6-13-89, Cl. 114-105.000.

Stevenson, William H., IV. Marine sail system. 4,864,952, 9-12-89, Cl. 114-102.000.

Stevenson, William H., IV. Marine sail with battens. 4,881,480, 11-21-89, Cl. 114-103.000.

Stevenson, William L., to Crown Iron Works Company. Separator. 4,865,633, 9-12-89, Cl. 55-235.000.

Stevenson, William L.: *See*—

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Steves, Marshall T., to Steves & Sons, Inc. Door unit installation kit with packaging and display container. 4,884,687, 12-5-89, Cl. 206-321.000.

Steves & Sons, Inc.: *See*—

Steves, Marshall T., 4,884,687, Cl. 206-321.000.

Stevie, Fred A.: *See*—

Dautartas, Mindaugas F.; Harrus, Alain S.; Martin, Edward P., Jr.; and Stevie, Fred A., 4,861,126, Cl. 350-96.110.

Steward, David B.: *See*—

Ward, Derek; and Steward, David B., 4,802,116, Cl. 364-900.000.

Steward, David G.: *See*—

Mundy, Anthony C.; and Steward, David G., 4,832,449, Cl. 350-174.000.

Steward, Raymond G.; and Boyd, Stuart G., to United Technologies Automotive, Inc. Sound absorption in foam core panels. 4,863,791, 9-5-89, Cl. 428-310.500.

Stewart, Albert J.: *See*—

Price, James O.; Stewart, Albert J.; and Hasselbrack, Sally A., 4,880,681, Cl. 428-116.000.

Stewart, Alexander; Furness, Duncan S.; and Bhatia, Sham P., to Rodime PLC. Head positioning mechanism for rotating disk data storage system. 4,812,929, 3-14-89, Cl. 360-77.070.

Stewart, Andrew O.: *See*—

Summers, James B.; and Stewart, Andrew O., 4,822,809, Cl. 514-367.000.

Stewart, Anthony; and Schukey, Juergen, to Stewart, Anthony. Rear view mirror. 4,838,650, 6-13-89, Cl. 350-280.000.

Stewart, Arlene J. G.: *See*—

Dees, Martin, Jr.; Dorsey, William C.; and Stewart, Arlene J. G., 4,816,319, Cl. 428-167.000.

Stewart, Bradley C.: *See*—

Stewart, John L.; and Stewart, Bradley C., 4,812,847, Cl. 341-154.000.

Stewart, Charles; Horrobin, David F.; and Carmichael, Hugh, to Efamol Limited. Pharmaceutical and dietary composition. 4,826,877, 5-2-89, Cl. 514-560.000.

Stewart, Daniel L.; Immormino, Fredrick R.; Galdun, Daniel J.; and Rischar, Charles M., to Allen-Bradley Company, Inc. Programmable controller with parallel processors. 4,858,101, 8-15-89, Cl. 364-131.000.

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Quan, Peter M.; Stewart, David; and Nelson, Anthony J., 4,879,388, Cl. 548-262.000.

Stewart, David A.: *See*—

Schneider, Alan A.; Stewart, David A.; Jolson, Joseph D.; Auel, RaeAnn M.; and Price, John F., 4,797,180, Cl. 204-1.00T.

Schneider, Alan A.; Stewart, David A.; Joison, Joseph D.; Auel, RaeAnn M.; and Price, John F., 4,859,305, Cl. 204-412.000.

Stewart, David B.; Dickinson, John M. C.; and Hogan, Brian D., to Wm. R. Stewart & Sons (Hacklemakers) Limited. Securing segments to a base. 4,825,511, 5-2-89, Cl. 19-85.000.

Stewart, David B.: *See*—

Stewart, William R.; Stewart, David B.; and Dickinson, John M. C., 4,869,060, Cl. 57-301.000.

Stewart, David G., to Square D Company. Optical switch. 4,878,729, 11-7-89, Cl. 350-96.180.

Stewart, David J.: *See*—

Cotterell, Daniel E. C.; and Stewart, David J., 4,839,601, Cl. 324-559.000.

Stewart, David R., to Shell Oil Company. Continuous lid seam. 4,867,336, 9-19-89, Cl. 220-359.000.

Stewart, David R., to Shell Oil Company. Plastic container with enhanced insulation. 4,886,187, 12-12-89, Cl. 220-468.000.

Stewart, Deborah L. Shoulder strap fastening device. 4,858,249, 8-22-89, Cl. 2-305.000.

Stewart Decatur Security Systems, Inc.: *See*—

Bentley, Leroy, 4,872,284, Cl. 49-16.000.

Stewart, Donald R., to Babcock & Wilcox Company, The. Articulated delivery system. 4,827,878, 5-9-89, Cl. 122-379.000.

Stewart, Dorothy L.: *See*—

Pyne, John, Jr.; Stewart, Dorothy L.; Fredrickson, James K.; and Cohen, Martin S., 4,882,274, Cl. 435-68.000.

Stewart, Edward T. Penile constrictor ring. 4,834,115, 5-30-89, Cl. 128-842.000.

Stewart, Edward T., Jr.: *See*—

Frank, Glenn R.; and Stewart, Edward T., Jr., 4,877,399, Cl. 433-25.000.

Stewart, Elijah E., III. Disposable waste containment unit. 4,882,794, 11-28-89, Cl. 4-451.000.

Stewart, Eugene A.; and Robinson, Ralph L., to Stewart, Eugene A.; and Robinson, Ralph L., part interest to each. Fare computer. 4,800,502, 1-24-89, Cl. 364-467.000.

Stewart, Eugene H.: *See*—

Stankus, John C.; Stewart, Eugene H.; and Grissinger, Glen S., 4,865,489, Cl. 405-261.000.

Stewart, G. Wayne; Davis, Bill E.; Thomas, William M.; Dobie, Michael J.; and Bacigalupe, Carlos, to Stewart Systems, Inc. Air circulation and exhaust control system for commercial ovens. 4,846,647, 7-11-89, Cl. 432-8.000.

Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., to Universal Gym Equipment, Inc. Computer controlled exercise machine. 4,869,497, 9-26-89, Cl. 272-129.000.

Stewart, Graham: *See*—

Parson, Brian J.; Shepherd, Roger M.; May, Michael D.; and Stewart, Graham, 4,885,740, Cl. 370-60.000.

Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Trout, Michael R., to Temple University of the Commonwealth System of Higher Education. Medical examination table with probe holder. 4,866,998, 9-19-89, Cl. 73-866.500.

Stewart, Harry D.; and Stodd, Ralph P., to Formatec Tooling Systems, Inc. Air conveyor for removing parts from a high speed forming press. 4,881,397, 11-21-89, Cl. 72-361.000.

Stewart Hughes Limited: *See*—

Fisher, Celia E.; and Forfitt, Roy, 4,888,948, Cl. 60-223.000.

Talbot, Richard, 4,812,643, Cl. 250-222.100.

Stewart, Jack; and Lowe, Jim. Automatic flame snuffer assembly. 4,887,960, 12-19-89, Cl. 431-146.000.

Stewart, James J.: *See*—

de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., 4,834,850, Cl. 204-109.000.

Stewart, Jeff. Multi-wheeled vehicle suspension and drive mechanism. 4,877,102, 10-31-89, Cl. 180-217.000.

Stewart, Jim D.: *See*—

Herrick, Paul W.; Thayer, Edward B.; and Stewart, Jim D., 4,836,451, Cl. 239-265.270.

Stewart, John D.: *See*—

Langley, Robert; Stewart, John D.; and Walls, Arthur S., 4,801,634, Cl. 524-88.000.

Langley, Robert; Stewart, John D.; and Walls, Arthur S., 4,801,638, Cl. 524-88.000.

Stewart, John F.: *See*—

Corder, Thomas E.; and Stewart, John F., 4,854,143, Cl. 70-218.000.

Maass, James A.; Stewart, John F.; and Carter, Joseph F., 4,867,617, Cl. 408-17.000.

Stewart, John L.; and Stewart, Bradley C. Parallel port pass-through digital to analog converter. 4,812,847, 3-14-89, Cl. 341-154.000.

Stewart, John L., II: *See*—

Shadrach, William S., III; Mandler, Michael; Moch, Ihor D.; Zitomer, Bernard; and Stewart, John L., II, 4,872,555, Cl. 206-459.000.

Stewart, John M.; and Vavrek, Raymond J., to Nova Technology Limited Partnership. Bradykinin antagonist peptides. 4,801,613, 1-31-89, Cl. 514-14.000.

Stewart, John M., to Sanitation Equipment Limited. Toilets. 4,817,215, 4-4-89, Cl. 4-236.000.

Stewart, John V. Shower valve. 4,877,181, 10-31-89, Cl. 236-12.170.

Stewart, John V. Electric shaver improvement. 4,884,338, 12-5-89, Cl. 30-43.920.

Stewart, John W., to NCR Corporation. Self-correcting digitally controlled timing circuit. 4,868,430, 9-19-89, Cl. 307-602.000.

Stewart, Johnny E., to Johnny Stewart Game Calls, Inc. Rattling antlers with thin fin members. 4,850,928, 7-25-89, Cl. 446-397.000.

Stewart, Jon K., to AusTek, Inc. Masonry tool. 4,856,135, 8-15-89, Cl. 15-105.500.

Stewart, Joseph A.: *See*—

Mouser, Charles L.; and Stewart, Joseph A., 4,873,648, Cl. 364-500.000.

Stewart, Kevin R., to General Electric Company. Preparation of linear polycarbonates from cyclic oligomer compositions using metal chelate catalyst. 4,853,459, 8-1-89, Cl. 528-371.000.

Stewart, Leo J., to Motion Design Creations Inc. Foil arrangement for water-borne craft. 4,811,674, 3-14-89, Cl. 114-39.200.

Stewart, Mark A.: *See*—

Bickerstaff, Alan E.; Collier, Barry J.; Hale, Joseph F.; Hitchmough, Peter M.; Pitts, Ian; Rasul, Ghulam; Saggers, Barry; Smyth, Kevin J.; Stevenson, Duncan; and Stewart, Mark A., 4,870,446, Cl. 355-282.000.

Stewart, Mark R. System of modules for composing alphanumerics. 4,877,405, 10-31-89, Cl. 434-160.000.

Stewart, Nevin J.: *See*—

Hodgson, Philip K. G.; and Stewart, Nevin J., 4,798,906, Cl. 568-614.000.

Stewart, Norman L., Jr.: *See*—

Leavitt, David D.; Kranz, Ken E.; Gorman, Greg A.; and Stewart, Norman L., Jr., 4,808,391, Cl. 423-321.00R.

Stewart, Parks C.: *See*—

O'Neal, Darrell D.; and Stewart, Parks C., 4,856,439, Cl. 112-10.000.

Stewart, Peter A. E.; and Hawkesworth, Michael R., to Rolls-Royce plc. Improvements relating to a method of radioisotope imaging. 4,885,464, 12-5-89, Cl. 250-308.000.

Stewart, Ray F., to Landec Labs, Inc. Molluscicidal device. 4,826,685, 5-2-89, Cl. 424-410.000.

Stewart, Ray F., to Landec Labs, Inc. Temperature-controlled active agent dispenser. 4,830,855, 5-16-89, Cl. 424-448.000.

Stewart, Ray F.: *See*—

Nyberg, Eric D.; Klingman, Ken A.; Curtis, Jeff; and Stewart, Ray F., 4,888,098, Cl. 204-1.00R.

Stewart, Robert B.: *See*—

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Stewart, Robert C.: *See*—

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Stewart, Robert E., to Litton Systems, Inc. Miniature inertial measurement unit. 4,841,773, 6-27-89, Cl. 73-510.000.

Stewart, Robert E.; Natusch, Paul J.; Yu, Eugene L.; and Keller, James B., to Digital Equipment Corporation. Apparatus and method for responding to an aborted signal exchange between subsystems in a data processing system. 4,858,173, 8-15-89, Cl. 364-900.000.

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Kent, Allan R.; Stewart, Robert E.; Read, Harold A.; Henry, Barry A.; Kaczor, Charles E.; Mills, Milton V.; Carn, Ronald C.; and Metz, Donald R., 4,845,722, Cl. 370-58.000.

Stewart, Robert G.: *See*—

Howton, Kenneth D.; Stewart, Robert G.; and Zeitler, Herman R., 4,841,356, Cl. 337-248.000.

Stewart, Robert L.: *See*—

Evans, Mark D.; Huntington, Gregory B.; Stewart, Robert L.; Wolf, Peter H.; and Zimmerer, Roger E., 4,80[illegible],086, Cl. 427-242.000.

Stewart, Robert M. Pet lounge. 4,860,689, 8-29-89, Cl. 119-1.000.

- Stewart, Robert W.: *See—*
  - McIntosh, Ronald M.; Rentzel, Richard T.; Stewart, Robert W.; and Daugherty, Daniel L., 4,859,200, Cl. 439-275.000.
- Stewart, Roger D., to Easy Tone Body Systems, Inc. Mineral body wrap combined with exercise for treating cellulite. 4,829,987, 5-16-89, Cl. 128-65.000.
- Stewart, Roger G.; and Ipri, Alfred C., to RCA Licensing Corporation. Multicolor filter for producing purer white across a display device. 4,828,365, 5-9-89, Cl. 350-339.00F.
- Stewart, Roger G.; and Plus, Dora, to General Electric Company. Integrated matrix display circuitry. 4,872,002, 10-3-89, Cl. 340-811.000.
- Stewart, Roger G.: *See—*
  - Plus, Dora; and Stewart, Roger G., 4,833,644, Cl. 365-53.000.
- Stewart, Sandra L.: *See—*
  - Norden-Paul, Ronald E.; Fein, Murray A.; and Stewart, Sandra L., 4,878,175, Cl. 364-413.010.
- Stewart Stamping Corporation: *See—*
  - Philippson, Walter M.; Brennan, Robert J.; and Meighen, Terrence, 4,889,503, Cl. 439-610.000.
- Stewart & Stevenson Services, Inc.: *See—*
  - LeMoine, Joseph L., 4,864,914, Cl. 91-29.000.
  - Wells, David L., 4,878,556, Cl. 180-140.000.
- Stewart Systems, Inc.: *See—*
  - Bacigalupe, Carlos; and Dobie, Michael J., 4,882,981, Cl. 99-479.000.
  - Kasik, John P., 4,836,360, Cl. 198-803.600.
  - Stewart, G. Wayne; Davis, Bill E.; Thomas, William M.; Dobie, Michael J.; and Bacigalupe, Carlos, 4,846,647, Cl. 432-8.000.
- Stewart, Thomas, to Trinity Industries, Inc. Cover and latching mechanism for rail car loading hatch. 4,889,056, 12-26-89, Cl. 105-377.000.
- Stewart, Thomas G., Jr.: *See—*
  - Dewhirst, Kenneth C.; and Stewart, Thomas G., Jr., 4,847,011, Cl. 260-351.000.
- Stewart, Vernon E., to Orscheln Co. Reaction cable assembly including cable slack adjusting means. 4,838,109, 6-13-89, Cl. 74-501.50R.
- Stewart, Walter M.: *See—*
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- Stewart Warner Corporation: *See—*
  - Mandellos, Panagiotis K.; and Rutili, Renzo N., 4,807,090, Cl. 362-26.000.
  - Shew, Jerry D.; and Evans, Stuart A., 4,870,891, Cl. 91-291.000.
- Stewart, Wayne: *See—*
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- Stewart, Wilber C., to General Electric Company. Lenticular filter for display devices. 4,804,253, 2-14-89, Cl. 350-330.000.
- Stewart, William: *See—*
  - Forrest, John; Stewart, William; and Tulloch, Rory, 4,796,704, Cl. 166-317.000.
  - Forrest, John; Catherall, Roger; Stewart, William; and Pounds, Randall J., 4,807,708, Cl. 175-45.000.
  - Forrest, John; Tulloch, Rory; and Stewart, William, 4,844,179, Cl. 175-92.000.
- Stewart, William J., to Plessey Overseas Limited. Biosensors. 4,857,273, 8-15-89, Cl. 422-68.000.
- Stewart, William J., to Plessey Overseas Limited. Optical assay: method and apparatus. 4,877,747, 10-31-89, Cl. 436-525.000.
- Stewart, William J.: *See—*
  - Bennion, Ian; Whatmore, Roger W.; and Stewart, William J., 4,867,543, Cl. 350-384.000.
  - Krug, James B.; Lenox, Ronald S.; and Stewart, William J., 4,830,884, Cl. 427-244.000.
- Stewart, William M.: *See—*
  - Parker, William A.; Bartos, Thomas E.; and Stewart, William M., 4,884,665, Cl. 188-322.170.
- Stewart, William R.; Stewart, David B.; and Dickinson, John M. C., to Wm. R. Stewart & Sons (Hacklemakers) Limited. Fiber opening devices. 4,869,060, 9-26-89, Cl. 57-301.000.
- Steyer, William, to General Electric Company. Exhaust system including protective arrangements. 4,864,819, 9-12-89, Cl. 60-264.000.
- Steyn, Peter L.: *See—*
  - Gabriel, Robert; Aronson, Michael P.; and Steyn, Peter L., 4,877,544, Cl. 252-99.000.
- Steyr-Daimler-Puch AG: *See—*
  - Erhart, Erich, 4,872,489, Cl. 141-5.000.
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  - Schimmel, Johannes; Bauer, Harald; Burian, Gunther; Hulla, Heinz; Kagerer, Robert; and Kubin, Helmut, 4,885,690, Cl. 364-424.100.
  - Senfter, Emil, 4,884,354, Cl. 42-73.000.
  - Sommer, Hans D., 4,809,808, Cl. 180-197.000.
  - Sommer, Hans D., 4,856,630, Cl. 192-13.00R.
  - Sommer, Hans D., 4,872,525, Cl. 180-197.000.
  - Stockmar, Jurgen, 4,844,219, Cl. 192-58.00C.
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  - Zedrosser, Ulrich, 4,848,237, Cl. 102-471.000.
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  - Lanzer, Heribert; and Resele, Peter, 4,842,111, Cl. 192-35.000.
  - Lanzer, Heribert; and Wilks, Eberhard, 4,850,246, Cl. 74-655.000.
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  - Repa, Otto, 4,815,217, Cl. 33-257.000.
  - Sommer, Hans D., 4,830,136, Cl. 180-233.000.
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  - Valev, Assen, 4,836,160, Cl. 123-198.00E.
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  - Loquenz, Heinz; Meissl, Siegfried; Schweiger, Helmut; Meindl, Norbert; Schwarzl, Karl; and Hruschka, Anton, 4,834,837, Cl. 162-19.000.
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  - Granik, Vladimir G.; Stezhko, Tatyana V.; Glushkov, Robert G.; Mashkovsky, Mikhail D.; Roschina, Lidia F.; Polezhaeva, Antonina I.; Parimbetova, Roza B.; Bobkov, Jury G.; Losev, Alexandr S.; and Ivanova, Irina A., 4,876,360, Cl. 548-550.000.
- STFI: *See—*
  - Andersson, Birgitta S.; Zethraeus, Malin C.; Herngren, Torbjorn; and Gustafsson, Jan-Erik V., 4,889,592, Cl. 162-29.000.
- Stiasny, Janos G., to Club Mate Products Inc. Portable golf club head cleaner. 4,872,232, 10-10-89, Cl. 15-21.00E.
- Stibal, Terry L. Reed holding device. 4,796,507, 1-10-89, Cl. 84-383.00A.
- Stibbe, Paul H.; Downham, Roy E.; and Daane, Robert A., to Advance Systems, Inc. Dryer apparatus for floating a running web and having baffle means for spent return air. 4,833,794, 5-30-89, Cl. 34-156.000.
- Stibbe, Paul H.: *See—*
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- Stibila, Michael E., to GEC Plessey Telecommunications, LTD. Telecommunications subscriber line interface circuit and party identification facility. 4,862,495, 8-29-89, Cl. 379-183.000.
- Stich-Baumeister, Eva-M.; Dohnke, Karl-Otto; and Winnacker, Albrecht, to Siemens Aktiengesellschaft. Sensor for gases or ions. 4,872,759, 10-10-89, Cl. 356-432.000.
- Stich, Bodo; and Adamowicz, Slawomir, to Glyco-Antriebstechnik GmbH. Hydrostatic rotary connector with pressure-equalizing or compensating element. 4,844,124, 7-4-89, Cl. 137-580.000.
- Stich, Richard A., to General Electric Company. Method of making an appliance door having a module support system. 4,829,653, 5-16-89, Cl. 29-458.000.
- Stich, Richard A.: *See—*
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  - Roberts, John J.; Stich, Richard A.; Powell, John M.; and Losert, Gerhard K., 4,815,685, Cl. 248-221.300.
- Sticher, Otto: *See—*
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- Stichnote, Lynn K.: *See—*
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- Sticht, Walter, to STIWA-Fertigungstechnik Sticht Gesellschaft m.b.H. Arrangement for feeding parts. 4,819,784, 4-11-89, Cl. 198-395.000.
- Sticht, Walter, to Stiwa-Fertigungstechnik Sticht Gesellschaft m.b.H. Apparatus for conveying assembly parts. 4,860,881, 8-29-89, Cl. 198-443.000.
- Sticht, Walter, to STIWA-Fertigungstechnik Sticht Gesellschaft m.b.H. Assembly method. 4,884,330, 12-5-89, Cl. 29-430.000.
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- Stichting Gastransport: *See—*
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- Stichting Instituut Voor Veeteeltkundig Onderzoek "Schoonoord": *See—*
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- Stichting Katholieke Universiteit: *See—*
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  - Van Kampen, Willem A.; Ritsema, Anne R.; and Unger, Rudolf, 4,821,246, Cl. 367-189.000.
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  - Groves, Timothy R.; Pfeiffer, Hans C.; Stickel, Werner; and Sturans, Maris A., 4,859,856, Cl. 250-398.000.
- Sticken, Gerhard: *See—*
  - Jabrik, Julius; Sticken, Gerhard; and Viehweger, Rolf, 4,870,220, Cl. 570-234.000.
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  - Brown, Paul L.; and Stickles, David L., 4,889,753, Cl. 428-40.000.
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  - Gardner, James D.; Mitchell, Hal D.; Stickley, Paul F.; Taylor, Alvin E.; and Wilson, Edward J., 4,850,056, Cl. 2-227.000.
- Stickney, Jay C.: *See—*
  - Sager, David J.; Valiton, Anne S.; Stickney, Jay C.; and Ramanujan, Raj K., 4,881,165, Cl. 364-200.000.
- Stickney, William H., to Instrument Specialties Co., Inc. Electromagnetic shielding and environmental sealing device. 4,864,076, 9-5-89, Cl. 174-35.0GC.

- Stidd, Robert: *See—*
  - Reiss, James M.; Gezari, Walter; and Stidd, Robert, 4,802,462, Cl. 128-25.00R.
- Stidham, Neal D.: *See—*
  - Siddoway, Mark A.; Stidham, Neal D.; and Machmer, William C., 4,797,136, Cl. 44-501.000.
- Stidsen, Poul. Covering hood for hitch balls. 4,861,062, 8-29-89, Cl. 280-507.000.
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  - Biro, Avi; Johnston, David C.; and Stiefel, Edward I., 4,832,877, Cl. 260-414.000.
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  - Stiefel, Werner K., 4,843,096, Cl. 514-559.000.
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- Stiehl, Hans-Henrich; and Sebald, Thomas, to Sorbios Verfahrenstechnische Gerate und GmbH. Device for generating ions in gas streams. 4,878,149, 10-31-89, Cl. 361-230.000.
- Stieler, Fred: *See—*
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  - Terziev, Kostadin G.; and Kamenov, Mitko V., 4,854,067, Cl. 43-6.000.
- Stien, Jerome A. Protective device for dentist handpiece. 4,884,968, 12-5-89, Cl. 433-116.000.
- Stienbarger, LeRoy: *See—*
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- Stienstra, Jan B., to Oce-Nederland B.V. Method and device for printing images on halves of both sides of sheets. 4,815,378, 3-28-89, Cl. 101-230.000.
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  - Paff, Robert; Thompson, Edwin; Stiepel, Norbert M.; and Anderson, Luis, 4,833,534, Cl. 358-108.000.
- Stier, Herbert A., to Maxon Industries, Inc. Stowable lift for freight vehicles. 4,806,062, 2-21-89, Cl. 414-545.000.
- Stier, Hubert: *See—*
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- Stierberger, Willy F., to North American Philips Consumer Electronics Corp. X-radiation protection circuit. 4,841,406, 6-20-89, Cl. 361-91.000.
- Stieren, Thomas: *See—*
  - Westernacher, Helmut; Aertken, Karl; and Stieren, Thomas, 4,847,440, Cl. 568-874.000.
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- Stifelman, Jack: *See—*
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- Stiff, Anthony J., to AECI Limited. Process for the manufacture of nitric acid esters. 4,853,157, 8-1-89, Cl. 558-483.000.
- Stiffler, Jack J.; Budwey, Michael J.; and Nolan, James M., Jr., to Sequoia Systems, Inc. Memory back up system with one cache memory and two physically separated main memories. 4,819,154, 4-4-89, Cl. 364-200.000.
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  - Mathewes, James K., Jr.; Hermam, Jan S.; Johnson, Stephen C.; Goud, Richard B.; and Stiffler, Jack J., 4,841,434, Cl. 364-200.000.
- Stiffler, Stephen P.: *See—*
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  - von Bogdandy, Ludwig; Kepplinger, Werner; Stift, Kurt; Papst, Gero; and Hauk, Rolf, 4,861,369, Cl. 75-38.000.
- Stiftelsen Cellulosa-Och Pappersforskning: *See—*
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  - Hane, Bengt, 4,804,961, Cl. 342-125.000.
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  - Peterson, Sture, 4,837,174, Cl. 437-24.000.
  - Stille, Goran, 4,870,344, Cl. 324-73.00R.
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  - Carlqvist, Stig G., 4,815,291, Cl. 60-520.000.
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- Stiglmaier, Manfred: *See—*
  - Hagin, Faust; Seethaler, Franz; Zelinka, Robert; and Stiglmaier, Manfred, 4,796,488, Cl. 74-713.000.
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- Stihl, Andreas: *See—*
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  - Dorner, Wolfgang; Leuchte, Michael; and Brockel, Klaus, 4,817,738, Cl. 173-162.100.
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  - Schierling, Roland; Geyer, Werner; Wissmann, Michael; and Nickel, Hans, 4,807,573, Cl. 123-73.00C.
  - Stehle, Hans-Peter, 4,817,291, Cl. 30-381.000.
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- Stijntjes, Theodorus G. W.: *See—*
  - Roelofsma, Johannus J.; and Stijntjes, Theodorus G. W., 4,863,625, Cl. 252-62.590.
- Stikeleather, Allan; and Blake, Geoffrey, to IBC Corporation. Connector for flexible electrical conduit. 4,880,387, 11-14-89, Cl. 439-98.000.
- Stikvoort, Eduard F., to U.S. Philips Corporation. Phase-locked loop coefficient generator for a filter arrangement having a non-rational ratio between input and output sampling frequencies. 4,797,845, 1-10-89, Cl. 364-724.100.
- Stil, Andre, to Automobiles Peugeot; and Automobiles Citroen. Method of producing a hydropneumatic accumulator. 4,800,642, 1-31-89, Cl. 29-436.000.
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  - Russell, Paul F.; Doering, Egon L.; Segerstrom, Clifford C.; Stil, Jacob H.; Harenslak, Gerd; and van Kessel, Matheus M., 4,836,146, Cl. 122-379.000.
  - Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,834,778, Cl. 48-210.000.
  - Segerstrom, Clifford C.; Stil, Jacob H.; Ooms, Adrianus J.; Mink, Bernardus H.; Premel, Ulrich; and Gawloski, Leszek, 4,859,214, Cl. 48-197.00R.
  - Segerstrom, Clifford C.; Stil, Jacob H.; Schuurman, Pieter J.; and Eckstein, Gunter K., 4,889,540, Cl. 48-77.000.
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- Stiles, Delores. Holder for baked goods and the like and method of arranging same. 4,844,243, 7-4-89, Cl. 206-44.00R.
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- Still, Donald O.; Hovance, Hubert T.; and Burley, George J., to Firestone Tire & Rubber Company, The. Method for ply application. 4,857,123, 8-15-89, Cl. 156-133.000.
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- Stille, Friedrich: *See—*
  - Sander, Bernward; and Stille, Friedrich, 4,862,761, Cl. 74-492.000.

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Stimpson, Cynthia C. Multi-purpose utensil for food preparation. 4,823,419, 4-25-89, Cl. 7-113.000.
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Stinson, Jim E. Wide angle mirror for birdhouses. 4,878,643, 11-7-89, Cl. 248-475.100.
Stinson, John L., Jr.; and Henley, George W., Jr., to Easy Shucker, Inc. Shellfish shucking machine. 4,796,333, 1-10-89, Cl. 17-76.000.
Stinson, Larry A. Plastic hand lift pressure pump. 4,880,366, 11-14-89, Cl. 417-555.100.
Stinson, Robert E. Lighweight collapsible archery quiver. 4,805,584, 2-21-89, Cl. 124-86.000.
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Stires, Sylvester, Jr. Fuel vaporization device for an internal combustion engine. 4,836,173, 6-6-89, Cl. 123-522.000.
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  Meijer, Roelf J.; and Ziph, Benjamin, 4,836,094, Cl. 92-167.000.
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Stith, Joe D. Optical lapping machine. 4,862,644, 9-5-89, Cl. 51-58.000.
Stitt, Paul A. Stable nutritive and therapeutic flax seed compositions, methods of preparing the same, and therapeutic methods employing the same. 4,857,326, 8-15-89, Cl. 424-195.100.
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Stitzer, Steven N.; Adam, John D.; and Klein, Gerald I., to Westinghouse Electric Corp. Frequency selective limiting device. 4,845,439, 7-4-89, Cl. 333-17.200.
Stiver, C. Edward; Teti, George J.; Pearson, Charles S.; and Brown, Kenneth R., to Dayco Products, Inc. Crimping device, adjusting ring therefor. 4,862,725, 9-5-89, Cl. 72-402.000.
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Stober, Reinhard; Fischer, Wolfgang; Huss, Michael; and Udluft, Klaus, to Degussa Aktiengesellschaft. Process for dry cationization of starch. 4,812,257, 3-14-89, Cl. 252-182.320.
Stober, Reinhard; Kohn, Ellen; and Bischoff, Dietmar, to Degussa Aktiengesellschaft. Process for the preparation of cationized polyvinyl alcohol. 4,822,851, 4-18-89, Cl. 525-61.000.
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  Hoffman, Donald B.; Linhart, Joseph J.; and Stoces, Raymond C., 4,886,247, Cl. 266-246.000.
Stock, Alvin L., to Westinghouse Electric Corp. Method and apparatus for balancing a turbine rotor. 4,856,964, 8-15-89, Cl. 415-201.000.
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Stock, Larry A. Method and material for checking drilled printed circuit boards. 4,818,617, 4-4-89, Cl. 428-412.000.
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Stock, Werner; Baier, Manfred; Kaspar, Klaus P.; and Kirch, Peter, to Boehringer Mannheim GmbH. Immunochemical process and reagent for the determination of a polyvalent antigen in a liquid sample. 4,885,255, 12-5-89, Cl. 436-512.000.
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Stocker, Arthur; and Schmid, Werner, to Messerschmitt-Bolkow-Blohm GmbH. Apparatus for illuminating a sight on a weapon. 4,805,313, 2-21-89, Cl. 33-241.000.
Stocker, Bruce A. D., to Leland Stanford Junior University, The Board of Trustees of the. Live vaccines comprising two mutations and foreign antigen. 4,837,151, 6-6-89, Cl. 435-172.300.
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Stocker, Kurt F.; and Svendsen, Lars G., to Pentapharm AG. Protein C activator, methods of preparation and use thereof. 4,849,403, 7-18-89, Cl. 514-2.000.
Stocker, Raymond, to Ford Motor Company. Variable length rod assembly having locking adjustment mechanism. 4,852,425, 8-1-89, Cl. 74-586.000.
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  Fibiger, Richard F.; Koo, Ja-young; Forgach, David J.; Petersen, Robert J.; Schmidt, Donald L.; Wessling, Ritchie A.; and Stocker, Thomas F., 4,859,384, Cl. 264-45.100.
Stockermann, Horst; Bohm, Herman; Grober, Josef; and David, Wolfgang, to Messerschmitt-Bolkow-Blohm GmbH. Safety device for a door system. 4,803,807, 2-14-89, Cl. 49-26.000.
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  Hider, Robert C.; Kontoghiorghes, George; and Stockham, Michael A., 4,861,767, Cl. 514-184.000.
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  Kaussen, Manfred; Stockhausen, Dolf; Hartan, Hans-Georg; and Landscheidt, Alfons, 4,813,968, Cl. 8-94.230.
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Stockinger, Friedrich, to Ciba-Geigy Corporation. Ethylenically unsaturated polyether sulfone or polyether ketone copolymer. 4,883,855, 11-28-89, Cl. 528-171.000.
Stockinger, Josef, to SGS-Thomson Microelectronics GmbH. An integrated controlled FET switch. 4,890,012, 12-26-89, Cl. 307-296.500.
Stockinger, Michael P.; Tietema, James R., and Bass, Lee S., to Conoco Inc. Blow-out preventor test tool. 4,831,598, 11-21-89, Cl. 166-250.000.
Stockl, Klaus, to Siemens Aktiengesellschaft. Motor-adjustable head support for a dental treatment chair. 4,840,429, 6-20-89, Cl. 297-409.000.
Stockl, Rebecca R.; Barton, Kenneth R.; and Caldwell, Melvin A., to Eastman Kodak Company. Ink compositions and preparation. 4,883,714, 11-28-89, Cl. 428-412.000.
Stockl, Rebecca R.: *See—*
  Schick, Martin F.; Hickman, William C.; Clark, Gary T.; and Stockl, Rebecca R., 4,847,316, Cl. 524-88.000.
Stockley, Henry W.: *See—*
  Davis, Kent A.; Bekele, Solomon; and Stockley, Henry W., 4,886,690, Cl. 428-36.600.
Stocklin, Philip L. Hearing device. 4,858,612, 8-22-89, Cl. 128-422.000.
Stockmar, Jurgen, to Steyr-Daimler-Puch AG. Fluid friction couplings. 4,844,219, 7-4-89, Cl. 192-58.00C.
Stockmeyer, Hans, to Hermann Berstorff Maschinenbau GmbH. Method for producing plastics material films. 4,832,896, 5-23-89, Cl. 264-555.000.
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  Perry, Melvyn; Brewer, John H. T.; and Stocks, Derek S., 4,848,211, Cl. 89-36.020.
Stocks, Stephen C.; and Rasmussen, Patrick L., to Oregon Metallurgical Corporation. Plasma furnace inert gas recycling system and process. 4,845,334, 7-4-89, Cl. 219-121.590.
Stockton, Ben J. Hot air balloon toy. 4,810,223, 3-7-89, Cl. 446-129.000.
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  Hutto, Walter D., Jr.; and Stockton, William W., 4,794,755, Cl. 60-39.281.
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Stoddard, Darrell, to Andus Corporation. Transparent electrode fabrication. 4,838,656, 6-13-89, Cl. 350-336.000.
Stoddard, Robert E., to Finial Technology, Inc. Optical turntable system with reflected spot position detection. 4,870,631, 9-26-89, Cl. 369-18.000.
Stoddart, Hugh F.; and Lewis, Gary D., to Somanetics Corporation. Method and apparatus for interpreting optical response data. 4,817,623, 4-4-89, Cl. 128-665.000.
Stoddart, Mike. Lineman's gaff buckle. 4,809,813, 3-7-89, Cl. 182-9.000.
Stodder, Samuel A.; and Haselby, Robert D., to Hewlett-Packard Company. Position transducer for use with a printer or plotter. 4,844,317, 7-4-89, Cl. 226-137.000.
Stodt, Enno, to J. M. Voith GmbH. Change-speed gearbox. 4,802,375, 2-7-89, Cl. 74-358.000.
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Stodt, John A.: *See—*
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Stoecker, Don R. Mobile home skirting system. 4,841,691, 6-27-89, Cl. 52-169.120.
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Stoeffler, Albert; Mehl, Dietholf; and Schneider, Hans, to Henkel Kommanditgesellschaft auf Aktien. Two-compartment container. 4,823,946, 4-25-89, Cl. 206-221.000.
Stoehr, Herbert M., to Artos Engineering Company. Apparatus for cutting and stripping insulation from wire segments having different gauge conductors. 4,873,901, 10-17-89, Cl. 81-9.510.
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Stoelting, Inc.: *See—*
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Stoerzinger, Charles A.; and Machlett, James, to Tombstone Pizza Corporation. Point-of-purchase display. 4,798,014, 1-17-89, Cl. 40-124.100.
Stoewer, Udo-Henning, to Messerschmitt-Bolkow-Blohm GmbH. Riveting. 4,854,491, 8-8-89, Cl. 227-58.000.
Stoffel, John L., to Hewlett-Packard Co. Process for manufacturing thermal ink jet printhead and integrated circuit (IC) structures produced thereby. 4,862,197, 8-29-89, Cl. 346-140.00R.
Stoffel Seals Corp.: *See—*
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Stoffel, Susanne: *See—*
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Stohr, Albert. Energy-conducting chain made from plastics material. 4,885,908, 12-12-89, Cl. 59-78.100.
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Stojanowski, Thomas. Ratcheting open end wrench. 4,825,731, 5-2-89, Cl. 81-111.000.
Stojkov, Mark; Flanagan, Patrick M.; Hrdlicka, Victor; Geither, John; and Everett, Dennis, to Picker International, Inc. Spot filmer cassette transport vibration support. 4,872,190, 10-3-89, Cl. 378-75.000.
Stoka, Roberto, to ITT Industries, Inc. Spot-type disc brake. 4,817,764, 4-4-89, Cl. 188-73.440.
Stokan, Michael. Chain saw safety brake apparatus. 4,882,844, 11-28-89, Cl. 30-381.000.
Stokar, Saul, to Elscint Ltd. Optimized signal to noise ratio. 4,859,945, 8-22-89, Cl. 324-309.000.
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  Egozi, Avihai; and Stokar, Saul, 4,888,552, Cl. 324-309.000.
Stokbroekx, Raymond A.; Luyckx, Marcel G. M.; and Janssens, Frans E., to Janssen Pharmaceutica N.V. Benzoxazol-and benzothiazolamine derivatives, useful as anti-anoxic agents. 4,861,785, 8-29-89, Cl. 514-321.000.
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  Janssens, Frans E.; Van Offenwert, Theophilus T. J. M.; Stokbroekx, Raymond A.; and Boar, Bernard R., 4,826,848, Cl. 514-258.000.
Stoker, Ronald L., to Becton Dickinson and Company. Assay for ligands by separating bound and free tracer from sample. 4,865,997, 9-12-89, Cl. 436-541.000.
Stokes, Bruce G., to Kimberly-Clark Corporation. Flexible, durable, stretchable paper base web. 4,849,278, 7-18-89, Cl. 428-153.000.
Stokes, Bruce G.: *See—*
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Stokes, Lillie M. Combination bedpan cushion and waste bag. 4,827,540, 5-9-89, Cl. 4-456.000.
Stokes, Malcolm L., to BOC Group, Inc., The. Food freezing apparatus. 4,803,851, 2-14-89, Cl. 62-374.000.
Stokes, R. W. Portable dual umbrella holder. 4,887,786, 12-19-89, Cl. 248-512.000.
Stokes, Richard A. Music memory data recording, storage and playback system for magnetic recording and/or reproducing apparatus. 4,870,515, 9-26-89, Cl. 360-72.200.
Stokes, Vijay K., to General Electric Company. Rotor assembly. 4,801,834, 1-31-89, Cl. 310-261.000.
Stokes, Vijay K., to General Electric Company. Method of making an improved disc rotor assembly. 4,835,840, 6-6-89, Cl. 29-598.000.
Stokes, Vijay K.; and Inzinna, Louis P., to General Electric Company. Control system and method for vibration welding. 4,844,320, 7-4-89, Cl. 228-102.000.
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Stokley, Charles O.; and Sanford, Lawrence, to TAM International Inc. Multiple-set packer and method. 4,823,882, 4-25-89, Cl. 166-387.000.
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Stolfo, Salvatore J., to Columbia University in the City of New York, The Trustees of. Parallel processing method. 4,843,540, 6-27-89, Cl. 364-200.000.
Stolfo, Salvatore J.; and Miranker, Daniel P., to Columbia University in the City of New York, The Trustees of. Binary tree parallel processor. 4,860,201, 8-22-89, Cl. 364-200.000.
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Stoll, Karl-Heinz A., to Senkingwerk GmbH. Batch washing machine. 4,848,107, 7-18-89, Cl. 68-27.000.
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Stoll, Kurt. Support for fluid power devices. 4,842,021, 6-27-89, Cl. 137-884.000.
Stoll, Kurt. Piston and cylinder unit. 4,854,218, 8-8-89, Cl. 91-1.000.
Stoll, Kurt. Device for handling workpieces. 4,858,976, 8-22-89, Cl. 294-64.100.
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Stoll, Thomas; Killus, Martin; and Mak, Gerd, to H. Stoll GmbH & Co. Device for the display and editing of knitting patterns produced on a flat-bed knitting machine. 4,856,104, 8-8-89, Cl. 364-470.000.
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Stoll, Werner; and Weiss, Edgar, to Odenwald-Chemie GmbH. Sound-absorbing panel. 4,805,724, 2-21-89, Cl. 181-290.000.
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Stollar, Hyman; Khariton, Khaim; Grinberg, Mark; and Ellmann, Eva, to Bromine Compounds Limited. Process for the preparation of decabromodiphenyl ether with improved thermal stability. 4,871,882, 10-3-89, Cl. 568-639.000.
Stolle Corporation, The: *See—*
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Stolle, Ralph J.: *See—*
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  Tice, Thomas R.; and Meyers, William E., 4,798,786, Cl. 435-177.000.
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  Heiser, Bernd; and Stoller, Hansjorg, 4,861,890, Cl. 546-184.000.
Stoller, John L.: *See—*
  Stoller, Arnold E.; and Stoller, John L., 4,799,883, Cl. 433-17.000.
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Stolowitz, Mark L., to Bio-Affinity Systems, Inc. Solid phase oxime reagent. 4,812,532, 3-14-89, Cl. 525-420.000.
Stolowitz, Mark L.; and Taketomo, Amy G., to Varian Associates, Inc. Bonded phase chromatographic supports. 4,837,348, 6-6-89, Cl. 556-9.000.
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Stolowitz, Mark L., Paape, Beth A.; and DeVaux, Anne E., to Bio-Affinity Systems, Inc. Method of thioacylation peptide sequencing with alcoholysis of triazolinones. 4,863,870, 9-5-89, Cl. 436-89.000.
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  Knauer, Alfred; Leonhard, Rolf; Projahn, Ulrich; and Stolper, Wolfgang, 4,858,433, Cl. 60-303.000.
Stoltefuss, Jurgen; Boshagen, Horst; Schramm, Matthias; and Thomas, Gunter, to Bayer Aktiengesellschaft. Circulation-active 4-phenyl-6-substituted dihydropyrimidines. 4,822,798, 4-18-89, Cl. 514-255.000.
Stoltefuss, Jurgen: *See—*
  Boshagen, Horst; Stoltefuss, Jurgen; Berschauer, Friedrich; de Jong, Anno; and Scheer, Martin, 4,806,667, Cl. 556-424.000.
Stoltenberg, Ronald: *See—*
  Willey, Leone V.; Willey, Donald L.; Kopecky, Ivyl D.; Stoltenberg, Ronald; and Bennett, Patrick D., 4,834,411, Cl. 280-250.100.
Stoltz, Herman, to Automated Pool Cleaners (Pty) Ltd. Swimming pool cleaning device. 4,817,225, 4-4-89, Cl. 15-1.700.
Stoltz, Richard A.: *See—*
  McLaughlin, David F.; and Stoltz, Richard A., 4,865,696, Cl. 203-29.000.
  McLaughlin, David F.; and Stoltz, Richard A., 4,874,475, Cl. 203-51.000.
  Snyder, Thomas S.; Stoltz, Richard A.; and McLaughlin, David F., 4,865,694, Cl. 203-29.000.
  Snyder, Thomas S.; and Stoltz, Richard A., 4,865,695, Cl. 203-29.000.
Stoltze, Christopher L.; and Parker, Joci E., to United Technologies Corporation. Wind turbine shutdown system. 4,815,936, 3-28-89, Cl. 416-9.000.
Stoltze, Leon: *See—*
  Graff, John M.; Nutter, Harry A., Jr.; and Stoltze, Leon, 4,856,162, Cl. 29-156.80B.
Stolz, John D.: *See—*
  Strobel, Donald H.; Karsten, Lee L.; and Stolz, John D., 4,868,566, Cl. 340-870.300.
Stolz, Larry W. Jigsaw puzzle support and storage board. 4,865,325, 9-12-89, Cl. 273-157.00R.
Stolz, Robert: *See—*
  Kispert, Klaus; and Stolz, Robert, 4,884,902, Cl. 384-550.000.
  Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, 4,804,276, Cl. 384-526.000.
  Schroder, Horst; Kispert, Klaus; Stolz, Robert; and Jacob, Werner, 4,856,917, Cl. 384-550.000.
Stolzenburg, Rudolf: *See—*
  Bergthaller, Peter; Stolzenburg, Rudolf; and Hubner, Dirk, 4,870,000, Cl. 430-505.000.
Stolzer, Armin, to Keuro Maschinenbau GmbH & Co., KG. Apparatus for handling bar-like workpiece material in a sawing machine. 4,823,662, 4-25-89, Cl. 83-150.000.
Stolzer, Armin, to KEURO Maschinenbau GmbH & Co., KG. Repositioning apparatus for elongated goods, especially loading and unloading apparatus for rails, strips, or the like, on or from a roller conveyor. 4,881,634, 11-21-89, Cl. 198-372.000.
Stolzer, Rainer: *See—*
  Wusthof, Peter; Eisenbacher, Egon; Lotter, Manfred; and Stolzer, Rainer, 4,838,765, Cl. 417-203.000.
Stolzman, Michael D., to International Precision Components Corporation. Container and closure having fastening means. 4,805,798, 2-21-89, Cl. 220-315.000.
Stolzman, Michael D., to International Precision Components Corporation. Sealing closure for lined drums. 4,813,592, 3-21-89, Cl. 229-5.700.
Stomberg, David E.: *See—*
  Kanengieter, Glenn G.; and Stomberg, David E., 4,796,728, Cl. 188-18.00A.
Stomp, Anne-Marie: *See—*
  Sederoff, Ronald R.; Stomp, Anne-Marie; Moore, Larry W.; and Chilton, Scott W., 4,886,937, Cl. 800-1.000.
Stomp, Hubert; Barthel, Jean-Pierre; Feitler, Albert; and Parasch, Fred, to Paul Wurth S.A. Apparatus for coupling a metallurgical ladle to a gas supply. 4,883,259, 11-28-89, Cl. 266-217.000.
Stone, Alan M. Rotary impact apparatus. 4,805,706, 2-21-89, Cl. 173-93.500.
Stone, Alan M.: *See—*
  Hawkins, Albert P.; Boyle, Alan; and Stone, Alan M., 4,858,771, Cl. 209-552.000.
Stone, Albert L.: *See—*
  Miller, Robert A.; and Stone, Albert L., 4,840,017, Cl. 53-468.000.
Stone, Benjamin C.; and Proehl, D. Scott, to Mead Corporation, The. Radiant glossing apparatus for glossing developer sheets and a process for using the same. 4,806,733, 2-21-89, Cl. 219-216.000.
Stone, Benjamin C.; and Proehl, D. Scott, to Mead Corporation, The. Apparatus for glossing a developer sheet. 4,807,560, 2-28-89, Cl. 118-666.000.
Stone, Christopher; Graverholt, James M.; Donaldson, Stuart G.; and Bagley, Kevin M., to Global Technology, Inc. Check positioning system for use in an automatic check printing apparatus. 4,851,655, 7-25-89, Cl. 235-58.0CW.
Stone Container Corporation: *See—*
  Brundage, David J., 4,883,221, Cl. 229-143.000.
  Johnske, David A., 4,795,083, Cl. 229-120.360.
Stone, Damon K.; and Scott, Stephen, to Stone, Damon K. Method and apparatus for water circulation and filtration. 4,832,838, 5-23-89, Cl. 210-169.000.
Stone, Dennis C.: *See—*
  Bremmer, Robert A.; Kovner, Vladimir; and Stone, Dennis C., 4,799,112, Cl. 360-31.000.
Stone, Earl L., III; Foster, James C.; and Whitcher, Stanley L., to LTV Aerospace & Defense Company. Method and apparatus for manufacturing high speed rotors. 4,862,763, 9-5-89, Cl. 74-572.000.
Stone, Eugene E., III. Reenforced pant structure. 4,872,221, 10-10-89, Cl. 2-404.000.
Stone, Eugene M. Process for producing a penetrative asphaltic binder and applying the binder to a granular material. 4,851,260, 7-25-89, Cl. 427-138.000.
Stone, Forrest D.; and Trondsen, John M., to Trondsen, John M. Programmable dispensing apparatus for pills or the like. 4,798,309, 1-17-89, Cl. 221-4.000.
Stone, Fred C.: *See—*
  Quarderer, George J.; Stone, Fred C.; Beitz, Mark J.; and O'Donnell, Patrick M., 4,851,603, Cl. 585-410.000.
Stone, Frederick L.: *See—*
  Howson, David C.; Havranek, Robert E.; Popken, John A.; and Stone, Frederick L., 4,834,152, Cl. 141-286.000.
Stone, Harold S.: *See—*
  Mukherjee, Amar; Natarajan, Kadathur S.; and Stone, Harold S., 4,843,567, Cl. 364-513.000.
Stone, James H.: *See—*
  Corenman, James E.; Braig, James R.; Goldberger, Daniel S.; Rojas, Emil P.; and Stone, James H., 4,817,013, Cl. 364-497.000.

Stone, James L., to Packaging Corporation of America. Pour spout closure. 4,852,764, 8-1-89, Cl. 220-315.000.
Stone, James L., to Packaging Corporation of America. Pour spout closure. 4,858,793, 8-22-89, Cl. 222-541.000.
Stone, James L., to Packaging Corporation of America. Food package for use in a microwave oven. 4,866,232, 9-12-89, Cl. 219-10.55E.
Stone, James L., to Packaging Corporation of America. Collapsible foldable dispensing carton. 4,880,155, 11-14-89, Cl. 229-125.090.
Stone, Jeffrey V., to Tubemakers of Australia Limited. Reach adjustable steering column. 4,813,910, 3-21-89, Cl. 464-162.000.
Stone, Julian, to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Technique and apparatus for fabricating a fiber Fabry-Perot etalon. 4,830,451, 5-16-89, Cl. 350-96.150.
Stone, Julian; and Stulz, Lawrence W., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Bell Laboratories. Optical communication systems using fabry-perot cavities. 4,861,136, 8-29-89, Cl. 350-96.300.
Stone, Kevin R. Prosthetic meniscus. 4,880,429, 11-14-89, Cl. 623-18.000.
Stone, Kirby L.; Kneifel, R. W., II; and Brockman, John P., to Cincinnati Milacron Inc. Spool servo control for tape web positioning. 4,799,981, 1-24-89, Cl. 156-64.000.
Stone, Linda J.: *See*—
Harris, Paul C.; and Stone, Linda J., 4,871,683, Cl. 436-531.000.
Stone, Marcia J.: *See*—
Durda, Paul J.; Green, David J.; Stone, Marcia J.; and Vaccaro, Dennis E., 4,814,275, Cl. 435-240.270.
Stone, Mario M. Suspension brace assembly. 4,884,562, 12-5-89, Cl. 128-78.000.
Stone, Michele: *See*—
Marshall, Steven P.; Caudel, Edward N.; Stone, Michele; and McNeely, Margaret D., 4,868,784, Cl. 364-900.000.
Stone, Myron. Flying toy with return-flight flying pattern. 4,817,961, 4-4-89, Cl. 273-426.000.
Stone, Myron. Amusement device. 4,838,541, 6-13-89, Cl. 272-27.00N.
Stone-Parker, Elaine W.; and Stone Parker, John J. Retainer for drinking container. 4,842,157, 6-27-89, Cl. 220-90.400.
Stone Parker, John J.: *See*—
Stone-Parker, Elaine W.; and Stone Parker, John J., 4,842,157, Cl. 220-90.400.
Stone, Patrick C.; Luke, Mike A.; and Ingram, Gary D., to Baker Oil Tools, Inc. Apparatus for isolating a plurality of vertically spaced perforations in a well conduit. 4,836,278, 6-6-89, Cl. 166-115.000.
Stone, Ralph S., to Cooper Industries, Inc. Spring and seat assembly for ball valves. 4,815,701, 3-28-89, Cl. 251-174.000.
Stone, Richard A.: *See*—
Krupin, Theodore; and Stone, Richard A., 4,853,375, Cl. 514-152.000.
Stone, Rob L.: *See*—
Morton, Glenn P.; McFadyen, George A.; and Stone, Rob L., 4,845,789, Cl. 8-150.000.
Stone, Robert L.: *See*—
Rauch, Gary C.; Young, David J.; Johns, Earl R. C.; Stone, Robert L.; and Messinger, Carolyn A., 4,816,119, Cl. 204-29.000.
Stone, Robert T.; and Briggs, Deborah A., to Nellcor Incorporated. Method and apparatus for calculating arterial oxygen saturation. 4,869,254, 9-26-89, Cl. 128-633.000.
Stone, Roger E.: *See*—
Binkerd, Mark S.; Buss, Christine M.; Gawrys, George W.; and Stone, Roger E., 4,827,500, Cl. 379-88.000.
Bowers, Thomas E.; Frey, Alan E.; Kerr, Howard A.; Russell, Larry A.; and Stone, Roger E., 4,885,738, Cl. 370-58.100.
Stone Rose Limited: *See*—
Armstrong, Tchaun, 4,836,075, Cl. 84-1.010.
Stone, Steven G.: *See*—
Bachman, Wesley J.; and Stone, Steven G., 4,803,626, Cl. 364-424.070.
Stone, Thomas W.: *See*—
Colwell, Robert A.; and Stone, Thomas W., 4,877,984, Cl. 310-66.000.
George, Nicholas; and Stone, Thomas W., 4,834,474, Cl. 350-3.650.
Stone, Walter H.: *See*—
Popoff, Peter; Stone, Walter H.; and Church, John F., 4,836,923, Cl. 210-232.000.
Stone, Wayne B., to Wood Manufacturing Co., Inc. Top assembly for coffee pots incorporating eccentric liquid trap and retainer therefor. 4,858,787, 8-22-89, Cl. 222-188.000.
Stone, Wayne B., Jr., to Wood Manufacturing Co., Inc. Substantially sealed coffee pot having a gravity flow liquid trap. 4,867,349, 9-19-89, Cl. 222-188.000.
Stone & Webster Engineering Corporation: *See*—
Gartside, Robert J.; and Norton, Richard C., 4,814,067, Cl. 208-127.000.
Kerafian, Maxim; and Tsang, Irving C., 4,824,658, Cl. 423-652.000.
Stone, William A.: *See*—
Hinchcliffe, Dennis; and Stone, William A., 4,860,880, Cl. 198-405.000.
Stone, William J., to United States of America, Energy. Combination drilling and skiving tool. 4,869,625, 9-26-89, Cl. 408-118.000.
Stonebridge, Peter W. J.: *See*—
Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsugu, Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridge, Peter W. J., 4,819,228, Cl. 370-85.000.
Stoneburner, James O.: *See*—
Wilkins, Thomas R.; Wilkins, Charles A.; and Stoneburner, James O., 4,822,486, Cl. 210-170.000.
Stoneburner, Larry P.: *See*—
Pollock, Paul R.; and Stoneburner, Larry P., 4,798,394, Cl. 280-96.100.
Stonecipher, Charles H.: *See*—
Leavens, William M.; Zentner, Ronald C.; and Stonecipher, Charles H., 4,866,276, Cl. 250-341.000.
Stonecrest Systems, Inc.: *See*—
Taylor, Terrence H. M.; and Lyon, Richards P., 4,869,266, Cl. 128-774.000.
Stonefield Systems Plc.: *See*—
Considine, William H., 4,800,383, Cl. 340-825.790.
Stoneham, Jeffrey R., to Eastman Kodak Company. Dual lens camera. 4,801,958, 1-31-89, Cl. 354-195.120.
Stoner, Arthur L., to Wilbur Curtis Company, Inc. Plastic decanter with warmer apparatus and method of use. 4,825,757, 5-2-89, Cl. 99-279.000.
Stoner, Candie S.: *See*—
Kortright, Kenneth H.; Hofheinz, David E.; Allman, David M.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,870,003, Cl. 435-5.000.
Kortright, Kenneth H.; Hofheinz, David E.; Forman, Meryl A.; Lee, Song Y.; Smariga, Paulette E.; and Stoner, Candie S., 4,886,742, Cl. 435-5.000.
Stoner, Daryl L., to AMP Incorporated. Stabilizing bushing for electrical connector. 4,865,558, 9-12-89, Cl. 439-246.000.
Stoner, Donald R.: *See*—
Bevilacqua, Bruce W.; Cheng, Wenche W.; Stoner, Donald R.; Pement, Fredric W.; Burack, Robert D.; and Gilkison, Joseph M., 4,820,359, Cl. 148-127.000.
Stoner, Eugene M., to Ares, Inc. Recoil and counterrecoil buffer for automatic cannon. 4,827,829, 5-9-89, Cl. 89-43.010.
Stoner, Eugene M., to Ares, Inc. Gun for firing telescoped ammunition plus searing means. 4,872,391, 10-10-89, Cl. 89-155.000.
Stoner, George H.: *See*—
Howells, Roger A.; Stoner, George H.; and Stockunas, Joseph, 4,880,162, Cl. 239-406.000.
Stonerook, Dana A.: *See*—
McCurdy, Roger A.; and Stonerook, Dana A., 4,825,148, Cl. 324-64.000.
McCurdy, Roger A.; and Stonerook, Dana A., 4,835,513, Cl. 340-438.000.
Stonestreet, Paul R.: *See*—
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Stoney, Arthur: *See*—
Anderson, John N.; Marshall, Edward C.; Stoney, Arthur; Tulloch, William; and Duke, Paul L., 4,813,723, Cl. 292-336.300.
Stoody Deloro Stellite, Inc.: *See*—
Webber, Roderick P., 4,866,240, Cl. 219-121.470.
Stoody, William R. Neoteric simplified aerosol valve. 4,852,807, 8-1-89, Cl. 239-337.000.
Stookey, Stanley D.: *See*—
Beall, George H.; Pierson, Joseph E.; and Stookey, Stanley D., 4,814,297, Cl. 501-7.000.
Stoopak, Samuel B.: *See*—
Feltz, Dennis R.; Kornblum, Saul S.; and Stoopak, Samuel B., 4,871,546, Cl. 424-482.000.
Stoops, John F., to Tektronix, Inc. Dual limit programmable linear signal limiter. 4,808,858, 2-28-89, Cl. 307-544.000.
Stoops, John F., to Tektronix, Inc. Digital Correction of linear system distortion. 4,873,646, 10-10-89, Cl. 364-487.000.
Stoor, Phillip G. J.; Bentley, Peter G.; and Latham, Francis G., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for the United Kingdom Atomic Energy Authority in Her Britannic Majesty's Government of the. Apparatus for simulating inspection equipment. 4,867,168, 9-19-89, Cl. 128-653.000.
Stopar, Henry M.: *See*—
Dolejs, Anthony H.; Stopar, Henry M.; and Swetel, Patrick, 4,858,744, Cl. 194-206.000.
Stopinc Aktiengesellschaft: *See*—
Fricker, Robert, 4,848,604, Cl. 222-600.000.
Fricker, Robert, 4,867,428, Cl. 269-134.000.
Keller, Werner, 4,875,606, Cl. 222-600.000.
Stoppazzini, Benito, to E.M.M., S.r.l. Device for mounting and controlling the switch retaining and pressing means in automatic flat knitting machines. 4,852,369, 8-1-89, Cl. 66-64.000.
Stoppazzini, Benito, to E.M.M., S.r.l. Device for effecting and maintaining the vertical tension of the fabric in automatic flat knitting machines. 4,854,134, 8-8-89, Cl. 66-152.000.
Stoppazzini, Benito, to E.M.M. Emiliana Macchine Maglieria S.r.l. Device for supporting the thread guide of an automatic flat knitting machine. 4,873,845, 10-17-89, Cl. 66-126.00R.
Stoppazzini, Benito, to E.M.M. Emiliana Macchine Maglieria S.R.L. Electromechanical device for drawing along slides supporting the same number of thread guides in an automatic flat knitting machine. 4,881,382, 11-21-89, Cl. 66-126.00R.
Stoppel, Doyle: *See*—
Butterly, Edward R., Jr.; and Stoppel, Doyle, 4,843,797, Cl. 53-448.000.
Stopper, Herbert, to Mosaic Systems, Inc. Cable system. 4,845,3 7-4-89, Cl. 361-428.000.
Stopper, Herbert; and Perkins, Cornelius C., to Mosaic Systems, Inc. Wafer and method of making same. 4,847,732, 7-11-89, Cl. 361-395.000.
Stops, Peter: *See*—
Bertleff, Werner; Maerkl, Robert; Magnussen, Peter; Kuehn, Gebhard; and Stops, Peter, 4,861,895, Cl. 546-353.000.
Lendle, Hubert; Panitz, Paul; Seyfert, Wilfried; and Stops, Peter, 4,810,798, Cl. 546-353.000.
Storace, Anthony, to Pitney Bowes Inc. Postage meter recharging system. 4,811,234, 3-7-89, Cl. 364-464.020.
Storace, Anthony; and Gasiunas, Donatas, to Pitney Bowes Inc. Postage meter communication system. 4,812,992, 3-14-89, Cl. 364-464.020.
Storace, Anthony; and O'Connell, John D., to Pitney Bowes Inc. Postage meter message printing system. 4,831,554, 5-16-89, Cl. 364-519.000.
Storace, Anthony, to Pitney Bowes Inc. Automatic printwheel setting system. 4,852,482, 8-1-89, Cl. 101-110.000.
Storace, Anthony, to Pitney Bowes Inc. Postage meter recharging system. 4,864,506, 9-5-89, Cl. 364-464.020.
Storace, Anthony, to Pitney Bowes Inc. Printwheel detent disengaging apparatus. 4,864,924, 9-12-89, Cl. 101-110.000.
Storace, Anthony: *See*—
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Storage Technology Corporation: *See*—
Dee, Richard H.; Rea, Laurence L.; King, Darwin D.; and Ruse, Guy F., 4,849,250, Cl. 427-48.000.
DiGregorio, Germano, 4,854,036, Cl. 29-744.000.
Donze, Jerry L., 4,837,672, Cl. 363-143.000.
Fechner, Jimmy R., 4,812,927, Cl. 360-75.000.
Folger, Edward C.; and Witerski, Glenn S., 4,879,448, Cl. 219-121.630.
Henderson, Watson R., 4,839,197, Cl. 427-116.000.
McAdams, William C., 4,869,607, Cl. 400-222.000.
Moss, James R., 4,810,239, Cl. 493-10.000.
Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Selikc, Richard G., 4,864,511, Cl. 364-478.000.
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Scheer, Arnold C.; and Jurneke, Joe K., 4,851,932, Cl. 360-51.000.
Von Brandt, Kim; and Stroud, Robert D., 4,866,836, Cl. 29-603.000.
Ward, Leonard; and Darnofall, George, 4,878,085, Cl. 355-47.000.
Ward, Leonard G.; and Nelson, T. Craig, 4,813,357, Cl. 101-426.000.
Young, James R.; and Moy, Michael, 4,889,982, Cl. 235-494.000.
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Storage Technology Partners II: *See*—
Bruce, Robert A., 4,815,856, Cl. 356-357.000.
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Stahl, Karl J.; Johnson, Albin K.; Reddersen, Brad R.; and Muckle, Alexander M., 4,805,162, Cl. 369-44.000.
Storbeck, Wolfgang: *See*—
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Merz, Heinz-Otto; Kerkhoff, Alois-Bernhard; and Storbeck, Wolfgang, 4,820,582, Cl. 428-328.000.
Storberg, David G., to CPT Corporation. Method and apparatus for automatically converting input pulse train signals to output signals of desired polarity. 4,860,311, 8-22-89, Cl. 375-19.000.
Storch, Leonard; and van Haagen, Ernst, to Storch, Leonard. Information transfer and use, particularly with respect to objects such as gambling chips. 4,814,589, 3-21-89, Cl. 235-375.000.
Storch, Randy S.: *See*—
Ahlstrom, Mark L.; Keller, Bruce A.; and Storch, Randy S., 4,862,357, Cl. 364-407.000.
Storchevoi, Nikolai M. Piston of an internal combustion engine. 4,878,466, 11-7-89, Cl. 123-193.0CP.
Storer, James A., to Data Compression Corporation. Stem for dynamically compressing and decompressing electronic data. 4,876,541, 10-24-89, Cl. 341-51.000.
Storey, David C. String supporting apparatus for stringed musical instruments. 4,860,628, 8-29-89, Cl. 84-313.000.
Storey, Philip A., to BOC Group, Inc., The. Pressure monitoring devices. 4,805,630, 2-21-89, Cl. 128-675.000.
Storey, Philip A.: *See*—
Longman, Robert J.; Helfet, Peter R.; and Storey, Philip A., 4,866,696, Cl. 369-275.000.
Storey, Richard, to British Broadcasting Corporation. Video transmission systems. 4,884,138, 11-28-89, Cl. 358-133.000.
Storey, Robert C.: *See*—
Fowlkes, William Y.; Morse, Theodore H.; Storey, Robert C.; and Paxon, James F., 4,796,047, Cl. 355-3.0TR.
Storey, Thomas M.: *See*—
Baron, Henry C.; LeBlanc, Johnny J.; Storey, Thomas M.; and Yoder, Joseph W., 4,852,061, Cl. 365-154.000.
Storf, Robert: *See*—
Hoppe, Hans; Breucker, Theodor; Ernst, Reinhard; and Storf, Robert, 4,859,067, Cl. 366-341.000.
Stori, Herbert: *See*—
Benes, Ewald; Viehbock, Franz; Stori, Herbert; Thomas, Friedrich-Werner; and Thorn, Gernot, 4,843,246, Cl. 250-491.100.
Stork Amsterdam B.V.: *See*—
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Stork Brabant B.V.: *See*—
van Mondfrans, Gerardus H.; and Peters, Jacobus F. M., 4,887,527, Cl. 101-116.000.
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Stork Colorproofing B.V.: *See*—
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Stork, Edward S., to Monarch Marking Systems, Inc. Hand-held printing and labeling device. 4,813,355, 3-21-89, Cl. 101-288.000.
Stork, Friedrich W.: *See*—
Zinkarn, Peter; Huttemann, Wilfried; Fey, Hans; Stork, Friedrich W.; Herden, Rudolf; and Schultz, Wilfried, 4,821,537, Cl. 68-208.000.
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Brandenstein, Manfred; Ernst, Horst M.; Haas, Roland; Neder, Gunter; and Stork, Josef, 4,818,124, Cl. 384-208.000.
Stork, Kurt: *See*—
Hallberg, Wilfried; Jekat, Herbert; Schutz, Erwin; Stork, Kurt; and Vollbrecht, Heinz-Rudiger, 4,828,867, Cl. 426-600.000.
Stork Perforated Products B.V.: *See*—
Morssinkhof, Gerhardus H.; Vogel, Lubbertus; and Leenheer, Adrianus, 4,798,023, Cl. 47-26.000.
Stork PMT B.V.: *See*—
Brakels, Gerardus H. M.; and van den Nieuwelaar, Josephus, 4,813,101, Cl. 17-11.000.
v.d. Nieuwelaar, Josephus A.; and Janssen, Petrus C. M., 4,811,458, Cl. 17-11.10R.
van den Nieuwelaar, Josephus A.; and Janssen, Petrus C. H., 4,815,168, Cl. 17-52.000.
Stork Pompen B.V.: *See*—
de Vries, Gerrit, 4,869,643, Cl. 415-200.000.
Stork Veco B.V.: *See*—
Witte, Johan F., 4,844,778, Cl. 204-11.000.
Stork, Willem H. J.: *See*—
de Vries, Auke F.; and Stork, Willem H. J., 4,859,309, Cl. 208-61.000.
Storm, Ebbe: *See*—
Christensen, Borge H.; and Storm, Ebbe, 4,820,527, Cl. 426-2.000.
Storm, Eric L., to Eaton Corporation. Press-fit splined connection. 4,875,796, 10-24-89, Cl. 403-359.000.
Storm, John M.; and Chaplin, Michael R., to Contour Hardening Investors, Ltd. Apparatus for and method of induction hardening machine components. 4,845,328, 7-4-89, Cl. 219-10.590.
Storm, Kenneth: *See*—
Worden, Donald G.; and Storm, Kenneth, 4,819,414, Cl. 53-551.000.
Storm Products Co.: *See*—
Holland, John W.; and Weiss, Ronald J., 4,852,964, Cl. 350-96.230.
Stormax International A/S: *See*—
Schultz, Gert, 4,840,015, Cl. 53-435.000.
Schultz, Gert, 4,840,208, Cl. 144-367.000.
Schultz, Gert, 4,850,491, Cl. 209-521.000.
Stormberg, Hans-Peter: *See*—
Albach, Manfred; Schafer, Ralf; Stormberg, Hans-Peter; and Wegener, Armin, 4,812,736, Cl. 323-224.000.
Dannert, Horst; and Stormberg, Hans-Peter, 4,870,317, Cl. 313-25.000.
Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Peter, 4,816,721, Cl. 315-241.00R.
Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Peter, 4,839,560, Cl. 313-628.000.
Ganser, Hans-Gunther; Schafer, Ralf; and Stormberg, Hans-Peter, 4,888,524, Cl. 315-200.00R.
Hennings, Detlev; Stormberg, Hans-Peter; and Peterek, Manfred, 4,860,269, Cl. 368-107.000.
Stormer, Rainer: *See*—
Feller, Wolfgang; Stormer, Rainer; and Muller, Annemarie, 4,816,446, Cl. 514-56.000.
Storr, Rudolf: *See*—
Fenske, Horst; Hertrich, Klaus; Schumann, Helmut; and Storr, Rudolf, 4,834,361, Cl. 271-187.000.
Storrow, Alan J.; and Knighton, Nigel J., to Plessey Overseas Limited. Rack mounted circuit board. 4,879,634, 11-7-89, Cl. 361-388.000.
Storti, George M.: *See*—
Soltani, Peter K.; Wrigley, Charles Y.; and Storti, George M., 4,855,879, Cl. 362-84.000.
Storti, Giuseppe: *See*—
Niederjaufner, Guido; Pontoglio, Achille; Storti, Giuseppe; Morbidelli, Massimo; and Carr', Sergio, 4,795,839, Cl. 570-211.000.
Storti, Sandro; Rossi, Dominico; and Di Natale, Giuseppe, to SGS Microelecttronica S.p.A. Logic interface circuit with high stability and low rest current. 4,810,902, 3-7-89, Cl. 307-446.000.
Storton, John E. Portable folding trash bin. 4,832,222, 5-23-89, Cl. 220-6.000.
Story, David F.: *See*—
Fowler, David K.; and Story, David E., 4,813,251, Cl. 70-116.000.
Story, James M.; and Sklad, Matthew P., to Aluminum Company of America. Strain rate control of superplastic forming. 4,811,582, 3-14-89, Cl. 72-16.000.
Story, James M., to Aluminum Company of America. Two-step superplastic forming method. 4,821,546, 4-18-89, Cl. 72-60.000.
Story, Michael S.: *See*—
Fies, William J.; and Story, Michael S., 4,816,675, Cl. 250-282.000.

Story, Paul R.: *See—*
Modi, Pravin G.; Ross, Timothy C.; and Story, Paul R., 4,816,593, Cl. 556-89.000.

Story, Thomas: *See—*
Wyeth, Richard W.; Paisner, Jeffrey A.; and Story, Thomas, 4,817,101, Cl. 372-32.000.

Storz Instrument Company: *See—*
Kleinberg, Larry K., 4,856,873, Cl. 350-502.000.
Scheller, Gregg D.; Gahn, Jerry S.; Higgins, Daniel E.; Wendt, Richard; Gibeltirra, James; and Ritter, J. Alan, 4,837,857, Cl. 455-617.000.

Storz, Karl. Instrument for the insertion of anesthetic catheters. 4,838,245, 6-13-89, Cl. 128-6.000.

Storz, Karl: *See—*
Kantor, Edward A.; Berci, George; and Storz, Karl, 4,877,016, Cl. 128-6.000.

Stoss, Johannes, to Siemens Aktiengesellschaft. Cleaning device for heat exchangers having tube bundles, in particular for the tube sheet and spacer plate region. 4,844,021, 7-4-89, Cl. 122-392.000.

Stoss, Johannes: *See—*
Stauner, Jakob; and Stoss, Johannes, 4,848,406, Cl. 138-93.000.

Stoss, Peter; and Kaes, Elmar, to Heinrich Mack Nachf. Isohexide pyrimidines triazines, triazoles and imidazoles useful as cytostatic. 4,806,542, 2-21-89, Cl. 514-274.000.

Stoss, Peter: *See—*
Leitold, Matyas; and Stoss, Peter, 4,883,796, Cl. 514-253.000.

Stotesbury, Gregory S.: *See—*
Shedd, William D.; and Stotesbury, Gregory S., 4,887,375, Cl. 43-21.200.

Stott, Frank D.: *See—*
Watson, Herman L.; Sackner, Marvin A.; and Stott, Frank D., 4,815,473, Cl. 128-721.000.

Stott, Gerald H.; and Lucas, Dave, to Protein Technology, Inc. Product and process for transferring passive immunity to newborn domestic animals using ultrafiltered whey containing immunoglobulins. 4,816,252, 3-28-89, Cl. 424-85.800.

Stott, Gerald H.; and Lucas, David O., to Protein Technologies, Inc. Immunologically active whey fraction and recovery process. 4,834,974, 5-30-89, Cl. 424-85.800.

Stott, Herbert L.: *See—*
Strasser, Thomas F.; and Stott, Herbert L., 4,874,050, Cl. 177-1.000.

Stott, Leslie. Powder dispensing apparatus. 4,825,913, 5-2-89, Cl. 141-59.000.

Stott, Richard A. W.: *See—*
Carter, Timothy J. N.; Groucutt, Carol J.; Stott, Richard A. W.; Thorpe, Gary H. G. H.; and Whitehead, Thomas P., 4,842,997, Cl. 435-6.000.

Stott, Ronald A.: *See—*
Bennett, Peter G.; McKinlay, Peter R.; Shaw, Neil W.; and Stott, Ronald A., 4,886,563, Cl. 156-205.000.

Stott, William R.: *See—*
Fisher, William H.; Stott, William R.; Thomson, Bruce A.; and Weisz-Margulescu, Adam, 4,819,477, Cl. 73-23.000.

Stottlemyer, William O.; and Woodward, Steven J., to Alcatel N.V. Apparatus for mounting a unidirectional microphone in a hands-free telephone subset. 4,885,773, 12-5-89, Cl. 379-420.000.

Stottmann, Richard L.; and Ponikwia, Edward F., to Whirlpool Corporation. Food processor food pusher positioning apparatus. 4,819,882, 4-11-89, Cl. 241-92.000.

Stottmann, Richard L., to Whirlpool Corporation. Electric food mixer. 4,822,172, 4-18-89, Cl. 366-142.000.

Stottmann, Richard L.; and Ponikwia, Edward F., to Whirlpool Corporation. Child-lock for food processor. 4,824,029, 4-25-89, Cl. 241-375.000.

Stotz, Gerhard: *See—*
Galie, Louis M.; Sedlak, Adolf; and Stotz, Gerhard, 4,886,988, Cl. 310-49.00R.
Schwartz, Herbert; and Stotz, Gerhard, 4,795,930, Cl. 310-49.00R.

Stotz, Wolf-Gunter, to Sulzer-Escher Wyss GmbH. Roll calender with Nip relieving devices. 4,823,690, 4-25-89, Cl. 100-163.00A.

Stotz, Wolf-Gunter: *See—*
Biondetti, Mario; and Stotz, Wolf-Gunter, 4,864,703, Cl. 29-116.100.
Buhlmann, Eugen T.; Biondetti, Mario; and Stotz, Wolf-Gunter, 4,858,292, Cl. 29-116.200.
Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.

Stotzel, Marc, to Entreprise Jean Lefebvre. Waterproofing complex for a road structure and process for the waterproof road lining of the deck of a structure. 4,863,308, 9-5-89, Cl. 404-31.000.

Stou, Toshio: *See—*
Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.

Stoudt, Michael D.: *See—*
Jamzadeh, Fereidoon S.; and Stoudt, Michael D., 4,806,980, Cl. 355-14.00E.

Stoudt, Theodore L., to Sign-up Corporation. Flag lock. 4,865,287, 9-12-89, Cl. 248-513.000.

Stouffer Corporation, The: *See—*
Peleg, Yigal, 4,841,112, Cl. 219-10.55E.

Stouffer, Ronald D., to Bowles Fluidics Corporation. Vehicle windshield defrost apparatus with reduced dashboard space requirements. 4,823,682, 4-25-89, Cl. 98-2.090.

Stoughton, John W.; and Neal, Charles B., to RCA Licensing Corporation. Auxiliary gain control apparatus for a television receiver. 4,799,107, 1-17-89, Cl. 358-169.000.

Stout, Charles A.: *See—*
Blair, Charles M., Jr.; Stout, Charles A.; and Olsen, Raymond P., 4,814,094, Cl. 252-8.554.

Stout, David M.; Matier, William L.; and Black, Lawrence A., to Du Pont de Nemours, E. I., and Company. Substituted 2-amino-2-imidazolines as antifibrillatory agents. 4,810,704, 3-7-89, Cl. 514-235.800.

Stout, David M.; Matier, William L.; and Black, Lawrence A., to Du Pont de Nemours, E. I., and Company. Substituted 2-amino-2-imidazolines as antifibrillatory agents. 4,810,714, 3-7-89, Cl. 514-326.000.

Stout, Donald E.: *See—*
McIntosh, Kenneth B.; Pratt, James O.; and Stout, Donald E., 4,831,562, Cl. 364-569.000.
McIntosh, Kenneth B.; Pratt, James O.; and Stout, Donald E., 4,837,719, Cl. 364-569.000.

Stout, George H.: *See—*
Morrison, Paul E.; Stout, George H.; Dailey, George F.; and Fischer, Mark W., 4,811,091, Cl. 358-100.000.

Stout, Gregg W., to Baker Hughes Incorporated. Methods and apparatus for perforating a deviated casing in a subterranean well. 4,830,12 5-16-89, Cl. 175-4.510.

Stout, Gregg W.: *See—*
Nelson, John A.; and Stout, Gregg W., 4,817,718, Cl. 166-297.00
Nelson, John A.; and Stout, Gregg W., 4,880,056, Cl. 166-51.00

Stout Industries, Inc.: *See—*
George, Gary P., 4,798,031, Cl. 52-309.110.

Stout, Richard W.: *See—*
Cox, Geoffrey B.; and Stout, Richard W., 4,837,195, C 502-408.000.

Stout, Robert L., to Clinical Biotechnologies, Inc. Method of increasin natural killer cell population of cancer patients. 4,883,662, 11-28-8 Cl. 424-101.000.

Stout, Roger P.: *See—*
Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,797,994, Cl. 29-720.000.
Michaud, Gerard H.; Graham, James H.; and Stout, Roger P., 4,876,791, Cl. 29-840.000.

Stout, Thomas R., to Safety Cross Mirror Co., Inc. Elongate, arcuate mirror with lightweight, aerodynamic back support. 4,822,15 4-18-89, Cl. 350-629.000.

Stoutamire, Mark S.: *See—*
Bucher, George D.; DiGrande, John T.; Frye, Lester C.; and Stoutamire, Mark S., 4,830,565, Cl. 414-416.000.

Stovall, Fred J. Taillight assembly for boat trailers. 4,809,138, 2-28-8 Cl. 362-61.000.

Stovall, H. Dean: *See—*
Chien, Kuei-Ru; Hui, Kin-Kwok; Stovall, H. Dean; Wang, John F. S.; and Lamm, Albert J., 4,885,752, Cl. 372-33.000.

Stovall, Walter M.: *See—*
Nichols, Steven R.; Hyers, Robert C.; Stovall, Walter M.; and Trawick, Charles D., 4,853,839, Cl. 364-167.010.

Stover, Douglas F. Wall covering support structure and metho 4,878,531, 11-7-89, Cl. 160-327.000.

Stover, Lon R.: *See—*
Burkhardt, Alan E.; Genshaw, Marvin A.; and Stover, Lon R., 4,810,470, Cl. 422-56.000.

Stover, Thomas C.: *See—*
Dennesen, Joseph C., 4,803,922, Cl. 101-41.000.

Stover, William A.: *See—*
Cormier, William E., Jr.; Kuehl, Guenter H.; and Stover, William A., 4,828,679, Cl. 208-120.000.

Stovicek, Paul: *See—*
Pellow, Scott P. W.; Larkman, Barry S.; and Stovicek, Pa 4,866,106, Cl. 523-122.000.

Stow, Robert H., to Minnesota Mining and Manufacturing Compa Hot-tackifying adhesive tape. 4,880,683, 11-14-89, Cl. 428-200.00

Stowe, David W.: *See—*
Gillham, Frederick J.; and Stowe, David W., 4,844,573, C 350-96.150.

Stowe, James R.: *See—*
Chung, Samuel S.; Rehkopf, Charles H.; Reigel, Franklin C.; Siefker, Doanld L.; and Stowe, James R., 4,832,646, C 445-6.000.

Stowe, Lawrence R.: *See—*
Jennings, Alfred R., Jr.; and Stowe, Lawrence R., 4,811,790, C 166-278.000.
Jennings, Alfred R., Jr.; and Stowe, Lawrence R., 4,817,717, C 166-278.000.
Jennings, Alfred R., Jr.; and Stowe, Lawrence R., 4,838,351, C 166-280.000.
Jennings, Alfred R., Jr.; and Stowe, Lawrence R., 4,852,650, C 166-250.000.

Stowe, Mitchell T.: *See—*
McGill, David C.; McIntire, Gary J.; and Stowe, Mitchell T., 4,837,739, Cl. 364-900.000.

Stowell, Dennis E. Baler-mounted continuous moisture monitoring system. 4,812,741, 3-14-89, Cl. 324-65.00P.

Stowell, Dennis E. Continuous determination and control of the weight of hay bales during the baling process. 4,885,531, 12-5-89, Cl. 3 65.00P.

Stowell, William R., to General Electric Company. Active clearance control. 4,842,477, 6-27-89, Cl. 415-118.000.

Stowers, Julian L.: *See—*
Conine, James W.; and Stowers, Julian L., 4,797,405, Cl. 514-288.000.

Stoy, Erich; Bald, Wilfried; and Rommen, Hans, to SMS Schloemann-Siemag Aktiengesellschaft. Multipurpose rolling mill. 4,841,761, 6-27-89, Cl. 72-238.000.

Stoy, Vladimir A.: *See—*
Thakore, Yatin B.; Swanson, Karen L.; and Stoy, Vladimir A., 4,828,705, Cl. 210-636.000.

Stoyan, Nick, to Bausch & Lomb Incorporated. Continuous-wear highly oxygen permeable contact lenses. 4,829,137, 5-9-89, Cl. 526-245.000.

Stoyanoff, Louis J., to Academic Products, Inc. Storage receptacle adapted for facile content reference. 4,852,909, 8-1-89, Cl. 281-33.000.

Stoyanova, Maria S.: *See—*
Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Josaif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.

Stoyanovsky, Oleg I.: *See—*
Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.

Stoyhe, Helmut: *See—*
Geyer, Oswald; Lembens, Helmut; and Stoyhe, Helmut, 4,840,367, Cl. 271-160.000.

Stoyke, Reinhard: *See—*
Bihy, Lothar; Royar, Jurgen; Ruechel, Frank; and Stoyke, Reinhard, 4,866,905, Cl. 52-743.000.

Stozek, Robert L.: *See—*
Jenkins, Richard S.; and Stozek, Robert L., 4,847,050, Cl. 422-102.000.

Strayer, Ronald J., to Gerber Scientific Instrument Company, The. Method and apparatus for enhancing optical photoplotter accuracy. 4,851,656, 7-25-89, Cl. 250-201.000.

Strayer, Ronald J., to Gerber Scientific Instrument Company, The. Method and apparatus for generating a scan timing signal with diffuser and detector array. 4,866,464, 9-12-89, Cl. 250-235.000.

Strayer, Ronald J.; and Timmons, Raymond E., Jr., to Gerber Scientific Instrument Company, The. Method and apparatus for calibrating artwork from a direct imaging system. 4,867,566, 9-19-89, Cl. 356-372.000.

Strachar, Edward: *See—*
Grant, John L.; and Strachar, Edward, 4,805,137, Cl. 364-900.000.

Stracher, Alfred; and Kesner, Leo. Aminocarnitine directed pharmaceutical agents. 4,866,040, 9-12-89, Cl. 514-17.000.

Stracke, Hubert: *See—*
Melin, Thomas; Stracke, Hubert; and Barth, Otto, 4,869,824, Cl. 210-615.000.

Stracke, Markus. Process for manufacturing construction elements, their composition, reinforcement and means for mounting same. 4,831,801, 5-23-89, Cl. 52-309.100.

Strada, Antonio. Thermostatically controlled electric immersion heater for aquariums. 4,812,626, 3-14-89, Cl. 219-523.000.

Strader, David R.: *See—*
Lindstrom, Albert K.; Strader, David R.; and Henley, George S., 4,813,365, Cl. 114-56.000.

Strader, Don E., to Goodyear Tire & Rubber Company, The. Electrical conductor. 4,854,446, 8-8-89, Cl. 198-810.000.

Strader, Hartzel G., to DAP Inc. Aqueous, silicone-containing coating composition for high temperature appliances. 4,855,348, 8-8-89, Cl. 524-317.000.

Strader, Judith D. Composition for making permanent impressions. 4,888,377, 12-19-89, Cl. 524-425.000.

Stradtmann, Wolfgang: *See—*
Wojaczek, Egon; Seeberger, Klaus; Rosenberg, Harry; and Stradtmann, Wolfgang, 4,815,898, Cl. 405-296.000.

Straehle, Wolfgang: *See—*
Streu, Joachim; Straehle, Wolfgang; and Ramlow, Gerhard, 4,837,245, Cl. 521-117.000.

Strafner, Michael: *See—*
Geiger, Gerhard; and Strafner, Michael, 4,827,471, Cl. 370-85.000.

Strahan, Travis. Anti-recoil device. 4,833,808, 5-30-89, Cl. 42-1.060.

Strahan, Virgil H.: *See—*
Hughes, Arlen J.; and Strahan, Virgil H., 4,876,583, Cl. 357-23.700.

Strahilevitz, Meir. Immunological methods for removing species from the blood circulatory system. 4,813,924, 3-21-89, Cl. 604-5.000.

Strahilevitz, Meir. Immunological methods for treating mammals. 4,834,973, 5-30-89, Cl. 424-85.800.

Strahl, Thomas L., to Machine Technology, Inc. Thin film deposition apparatus and method. 4,818,561, 4-4-89, Cl. 427-38.000.

Strahman Valves, Inc.: *See—*
Palmer, Robert, 4,815,698, Cl. 251-85.000.

Strahwald, Franz: *See—*
Siebold, Horst; and Strahwald, Franz, 4,799,017, Cl. 324-319.000.

Straight, Michael R.: *See—*
Roinestad, Gerald C.; and Straight, Michael R., 4,867,301, Cl. 198-852.000.

Strait, Clifford C., Jr. Circuit protection device. 4,888,797, 12-19-89, Cl. 379-438.000.

Strait, David S., to Climax Portable Machine Tools, Inc. Bearing arrangement for a rotatable turning bar. 4,824,296, 4-25-89, Cl. 408-80.000.

Strait, David S., to Climax Portable Machine Tools, Inc. Surfacing machine. 4,842,452, 6-27-89, Cl. 408-80.000.

Straka, Robert: *See—*
Calandro, Thomas; Straka, Robert; and Verrico, Marsha K., 4,837,112, Cl. 426-463.000.

Stram, John: *See—*
Hodgson, Dale; and Stram, John, 4,841,654, Cl. 40-642.000.

Strammello, Peter: *See—*
Lachiw, Mark J.; and Strammello, Peter, 4,835,608, Cl. 358-191.100.

Stranahan, Michael: *See—*
Lew, Hyok S.; and Stranahan, Michael, 4,807,408, Cl. 52-81.000.
Lew, Hyok S.; and Stranahan, Michael, 4,829,905, Cl. 102-469.000.

Strand, Aaron L.: *See—*
Mietzel, Dennis O.; and Strand, Aaron L., 4,807,645, Cl. 130-5.00J.

Strand Art Co., Inc.: *See—*
Strand, Victor, 4,877,159, Cl. 222-484.000.

Strand, Bengt N. G.; and Eklund, Sven L., to Seco Tools AB. Tool for metal cutting. 4,850,759, 7-25-89, Cl. 408-239.00A.

Strand, David: *See—*
Ross, Randall R.; Bjornard, Eric; and Strand, David, 4,876,667, Cl. 365-113.000.

Strand, Dwaine L. Apparatus for forming tubular joints. 4,846,600, 7-11-89, Cl. 403-260.000.

Strand, Glen L., to Tyler Limited Partnership. Liquid herbicide attachment for granular applicator. 4,886,208, 12-12-89, Cl. 239-77.000.

Strand, Jerome E., to Minnesota Mining and Manufacturing Company. Method of continuous production of a biomedical electrode. 4,795,516, 1-3-89, Cl. 156-235.000.

Strand, Jerome E., to Minnesota Mining and Manufacturing Company. Electrical connector. 4,842,558, 6-27-89, Cl. 439-863.000.

Strand Lighting, Inc.: *See—*
Ferren, Bran; Harrison, Charles F.; Hope, Clinton B.; and Kohut, Robert J., 4,827,387, Cl. 362-284.000.

Strand, Marc A.: *See—*
Zdrahala, Richard J.; and Strand, Marc A., 4,841,007, Cl. 528-28.000.

Strand, Timothy C.: *See—*
Juliana, Anthony; Leung, Wai C.; Pan, Victor T.; Rosen, Hal J.; and Strand, Timothy C., 4,873,430, Cl. 250-225.000.

Strand, Victor, to Strand Art Co., Inc. Pour dispenser. 4,877,159, 10-31-89, Cl. 222-484.000.

Strandberg, Anders, to Boxholmkonsult AB. Device for providing lime to acidulated waters. 4,798,475, 1-17-89, Cl. 366-160.000.

Strandberg, Gerald W.: *See—*
Scott, Charles D.; and Strandberg, Gerald W., 4,846,964, Cl. 208-428.000.

Strandberg, Hans, to Siemens Aktiengesellschaft. Body activity controlled heart pacer. 4,886,064, 12-12-89, Cl. 128-419.0PG.

Strandell, Ingemar H.; and Svensson, Ingemar S. L., to Santrade Limited. Cutting insert having means for detecting wear. 4,818,153, 4-4-89, Cl. 407-113.000.

Strandell, Timothy B.: *See—*
Collins, Scott J.; and Strandell, Timothy B., 4,824,272, Cl. 401-197.000.

Strandholm, John J.; Prochnow, Robert R.; Miller, Mark S.; Woodford, Lawrence E.; and Neunaber, Steven M., to Kraft, Inc. Method for controlling melting properties of process cheese. 4,885,183, 12-5-89, Cl. 426-582.000.

Strandli, Kare R.; and Halvorsen, Svein T., to Raufoss A/S. Projectile and method of making it. 4,876,964, 10-31-89, Cl. 102-499.000.

Strang, Harry: *See—*
Dickore, Karlfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,846,881, Cl. 71-93.000.
Gehring, Reinhold; Schallner, Otto; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,877,439, Cl. 71-86.000.
Jelich, Klaus; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,854,964, Cl. 71-92.000.
Jelich, Klaus; Gayer, Herbert; Kramer, Wolfgang; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Harry, 4,874,424, Cl. 71-105.000.
Schallner, Otto; Gehring, Reinhold; Stetter, Jorg; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,812,165, Cl. 71-92.000.
Stetter, Jorg; Schallner, Otto; Gehring, Reinhold; Santel, Hans-Joachim; Schmidt, Robert R.; Lurssen, Klaus; and Strang, Harry, 4,799,951, Cl. 71-92.000.
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Strang, Robert H.: *See—*
Draber, Wilfried; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,846,876, Cl. 71-92.000.
Fest, Christa; Muller, Klaus-Helmut; Pfister, Theodor; Riebel, Hans-Jochem; Kysela, Ernst; Santel, Hans-Joachim; Schmidt, Robert R.; and Strang, Robert H., 4,806,147, Cl. 71-92.000.
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Schwamborn, Michael; Klauke, Erich; Schmidt, Robert R.; Santel, Hans-Joachim; and Strang, Robert H., 4,877,443, Cl. 71-92.000.

Strange, Booth B. Marine pollution containment device. 4,889,447, 12-26-89, Cl. 405-60.000.

Strange, Donald R.: *See—*

Knoll, Glenn F.; Strange, Donald R.; and Bennett, Matthew C., Jr., 4,817,038, Cl. 364-413.240.

Strange, Lloyd K.: *See—*

Hurd, B. George; Jones, Lloyd G.; and Strange, Lloyd K., 4,854,385, Cl. 166-273.000.

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Gabriel, David; Audus, David; and Strange, Norman, 4,840,490, Cl. 356-375.000.

Stranger, Edgar P.; and Mahy, John A., to Worldwide Trucks Limited. Vehicle with loading device. 4,830,566, 5-16-89, Cl. 414-546.000.

Stranges, Frank. Dual purpose carrying container. 4,872,550, 10-10-89, Cl. 206-315.100.

Strangfeld, Reiner, to Georg Rost & Soehne, Armaturenfabrik GmbH & Co. KG. Lavatory flushing device. 4,813,085, 3-21-89, Cl. 4-363.000.

Stranghoner, Dieter; Patzschke, Hans-Peter; and Luhmann, Christa, to Herberts Gesellschaft mit Beschrankter Haftung. Aqueous coating composition, process for its preparation and its use. 4,851,460, 7-25-89, Cl. 523-407.000.

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Feldman, Robert J.; Rhoe, Andrei; Van Driesen, Roger P.; Puzio, Joseph F.; and Strangio, Vincent A., 4,846,958, Cl. 208-95.000.

Strangman, Thomas E., to Allied-Signal Inc. Abradable shroud coating. 4,867,639, 9-19-89, Cl. 415-173.400.

Strangman, Thomas E.; and Solfest, Patricia A., to Allied-Signal Inc. Ceramic thermal barrier coating with alumina interlayer. 4,880,614, 11-14-89, Cl. 428-623.000.

Strangwayes, Richard: *See—*

Calta, Salvatore A.; Gregg, Thomas A.; Skarshinski, Leon; and Strangwayes, Richard, 4,866,609, Cl. 364-200.000.

Stranicky, Fedor. Solar-heat absorbing device. 4,807,591, 2-28-89, Cl. 126-426.000.

Stransky, Karlheinz: *See—*

Patzschke, Hans-Peter; Cerny, Peter W.; Goebel, Armin; and Stransky, Karlheinz, 4,857,580, Cl. 524-507.000.

Strapack Corporation: *See—*

Kawai, Osatomi; and Kikuchi, Junji, 4,867,053, Cl. 100-26.000.

Sakaki, Yasunori; and Tagomori, Tsutomu, 4,843,928, Cl. 53-589.000.

Sakaki, Yasunori; and Tagomori, Tsutomu, 4,885,901, Cl. 53-589.000.

Strapex AG: *See—*

Fischer, Karl, 4,820,363, Cl. 156-494.000.

Niedrig, Franklin F., 4,871,414, Cl. 156-494.000.

Straschewski, Helmut, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Apparatus for withdrawing a sample from a glass melting furnace. 4,818,267, 4-4-89, Cl. 65-375.000.

Strashun, Leonid, to Sony Corporation. Interactive teaching apparatus. 4,812,125, 3-14-89, Cl. 434-224.000.

Strasser, Erwin, to Kolbenschmidt Aktiengesellschaft. Piston cylinder kit for internal combustion engines. 4,829,955, 5-16-89, Cl. 123-193.0CP.

Strasser, Gene W. Leadless current-sensing system. 4,887,027, 12-12-89, Cl. 324-117.00H.

Strasser, Joseph, to Montres Longines Francillon S.A. Manual control device for a watch movement. 4,815,054, 3-21-89, Cl. 368-319.000.

Strasser, Joseph P.: *See—*

Kozuma, Jiro; Hamaguchi, Hirohiko; Shibahara, Tetsuya; and Strasser, Joseph P., 4,810,793, Cl. 514-89.000.

Strasser, Karl, to Siemens Aktiengesellschaft. Current connection device. 4,844,992, 7-4-89, Cl. 429-34.000.

Strasser, Ludwig: *See—*

Mueller, Rudolf; and Strasser, Ludwig, 4,799,703, Cl. 280-91.000.

Mueller, Rudolf; and Strasser, Ludwig, 4,840,393, Cl. 280-661.000.

Strasser, Robert K.; and Netsch, Robert L., to Manan Manufacturing Co., Inc. Bone biopsy needle assembly. 4,838,282, 6-13-89, Cl. 128-754.000.

Strasser, Rudolf: *See—*

Dummer, Gerhard; Haselwarter, Klaus; Klaus, Hermann; Schmidhammer, Ludwig; and Strasser, Rudolf, 4,822,932, Cl. 570-226.000.

Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, 4,839,153, Cl. 423-488.000.

Strasser, Thaddeus B. Base for elevating a toilet. 4,794,653, 1-3-89, Cl. 4-252.00R.

Strasser, Thomas F.; and Stott, Herbert L., to Fairbanks Inc. Portable deck truck scale. 4,874,050, 10-17-89, Cl. 177-134.000.

Strasser, Wilhelm; and Veit, Axel, to Leybold Aktiengesellschaft. Controllable throttle for a vacuum pump. 4,803,845, 2-14-89, Cl. 62-55.500.

Strassheimer, Herbert, to Paul Pleiger Maschinenfabrik GmbH & Co. KG. Insert valve. 4,878,648, 11-7-89, Cl. 251-63.000.

Strassheimer, Herbert, to Plasticon Patents, S.A. Method for preparing blow molded plastic container. 4,880,593, 11-14-89, Cl. 264-532.000.

Strassheimer, Herbert, to Plasticon Patents, S.A. Plastic preform for forming blow molded plastic bottles. 4,885,197, 12-5-89, Cl. 428-36.920.

Strassle, Marcel, to Syma Intercontinental AG. Rotary connector for scaffolding rod. 4,848,952, 7-18-89, Cl. 403-171.000.

Strassmann, Steve, to Strassmann, Steve. Steerable catheter. 4,838,85 6-13-89, Cl. 604-95.000.

Stratacom Inc.: *See—*

Baran, Paul; Corbalis, Charles M.; Holden, Brian D.; Masatsugu, Jon K.; Marggraff, Lewis J.; Owen, David P.; and Stonebridge, Peter W. J., 4,819,228, Cl. 370-85.000.

Stratamodel, Inc.: *See—*

Swanson, Donald C., 4,821,164, Cl. 364-420.000.

Strate, Klaus, to C. A. Weidmuller GmbH & Co. Multi-pole plug connector. 4,813,892, 3-21-89, Cl. 439-681.000.

Strate, Klaus: *See—*

Fricke, Herbert; Strate, Klaus; Wilmes, Manfred; and Frikke, Arian, 4,887,876, Cl. 350-96.200.

Strategic Processing Corporation: *See—*

Shavit, Eyal; and Teichner, Lester, 4,799,156, Cl. 364-401.000.

Straten, Gunter, to Kiefer, Klaus, Jurgen and Straten, Gunter. Pair of measuring compasses. 4,843,719, 7-4-89, Cl. 33-27.020.

Strater, Kurt F.: *See—*

Bose, Ajit K.; Strater, Kurt F.; and Geick, Kenneth S., 4,842,801, Cl. 264-565.000.

Strathman, Lyle R.; and Harwood, Craig E., to Rockwell International Corporation. Alternating parallelogram display elements. 4,811,001, 3-7-89, Cl. 340-701.000.

Strathman, Lyle R., to Rockwell International Corporation. Flat panel display having pixel spacing and luminance levels providing high resolution. 4,853,592, 8-1-89, Cl. 313-495.000.

Strathman, Lyle R.: *See—*

Harwood, Craig E.; and Strathman, Lyle R., 4,888,599, Cl. 340-812.000.

Strathy, Walter A.: *See—*

Valorose, Joseph J., Jr.; Biehl, Raymond J.; Sheth, Nina V.; Strathy, Walter A.; and Doelling, Michael K., 4,837,030, Cl. 424-456.000.

Stratman, Dennis L.; and Lowry, Steven P., to Westinghouse Electric Corp. Joint assembly for transformer parts. 4,813,809, 3-21-89, Cl. 403-405.100.

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Konecny, James W.; Huston, Rodney L.; and Vyse, Gerrard N., 4,872,710, Cl. 285-81.000.

Vyse, Gerrard N., 4,804,212, Cl. 285-256.000.

Strattan, Robert D.; O'Connor, Mary E.; and Sorem, James R., Jr., to Micro Dry, Inc. Method and apparatus for heating and drying fabrics in a drying chamber having dryness sensing devices. [illegible]95,671, 1-3-89, Cl. 219-10.55M.

Strattan, Robert D.: *See—*

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Stratton, Boyd L., to Harris Corporation. Adaptive comb filtering system for processing video signals. 4,803,547, 2-7-89, Cl. 358-31.000.

Stratton-Crawley, Richard: *See—*

Marcuson, Samuel W.; Diaz, Carlos M.; Bell, James A. E.; Davis, Haydn; and Stratton-Crawley, Richard, 4,830,667, Cl. 75-76.000.

Stratton, Larry J.: *See—*

Kobayashi, Toyohiro; Otsuka, Nobuo; Thompson, Peter; and Stratton, Larry J., 4,795,088, Cl. 236-49.000.

Stratton, Lawrence J.: *See—*

Dean, Thomas E.; Henrich, William H.; Fischer, David M.; Stratton, Lawrence J.; and Pietsch, Herbert E., 4,873,471, Cl. 315-308.000.

Stratton, Paul E., Jr.: *See—*

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Stratton, Susan D.: *See—*

Heath, Allen W.; Hernandez, Raymond; Hoffman, Virginia M.; Sheppard, Ronald K.; and Stratton, Susan D., 4,858,114, Cl. 364-200.000.

Stratus Computer, Inc.: *See—*

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Williams, Jeffrey L., 4,816,990, Cl. 364-200.000.

Stratz, Thomas: *See—*

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Gallmeister, Rolf-Dieter; Stratz, Thomas; and Lammers, Ludwig, 4,838,270, Cl. 128-371.000.

Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Stratz, Thomas; and Gallmeister, Rolf-Dieter, 4,880,90 Cl. 128-374.000.

Straub, Dale K. Transfer adhesive sheet material. 4,824,702, 4-25-89, Cl. 428-15.000.

Straub, Dale K.: *See—*

Kalt, Glenda G.; Straub, Dale K.; and Piwonka, Peter, 4,838,9 Cl. 604-180.000.

Kalt, Glenda G.; Straub, Dale K.; and Piwonka, Peter, 4,838,7 Cl. 604-180.000.

Straub, Dieter, to J. G. Anschutz GmbH. Compressed air gun with lever attenuator. 4,844,046, 7-4-89, Cl. 124-80.000.

Straub, Ferdinand: *See—*

Goertz, Hans-Helmut; Straub, Ferdinand; Sanner, Axel; Koh, Albrecht; Raubenheimer, Hans-Juergen; and Vogel, Friedrich, 4,841,066, Cl. 548-335.000.

Straub, Gary. Audio switch device with timed insertion of substitute signal. 4,821,329, 4-11-89, Cl. 381-119.000.

Straub, Gunter: *See—*

Spross, Erhard; Ruttimann, Hans-Rudolf; and Straub, Gunter, 4,832,536, Cl. 405-303.000.

Spross, Erhard; Ruttimann, Hans-Rudolf; and Straub, Gunter, 4,846,607, Cl. 405-303.000.

Straub, Henner: *See—*

Breuer, Hermann; Drossard, Jakob-Matthias; Ermann, Peter H.; Straub, Henner; and Treuner, Uwe D., 4,801,705, Cl. 540-357.000.

Straub, Horst: *See—*

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Straub, Joseph E.: *See—*

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Straub, Paul M. Carriage assembly for a jogger. 4,848,780, 7-18-89, Cl. 280-1.500.

Straubel, Max: *See—*

Eheim, Franz, deceased; and Straubel, Max, 4,870,936, Cl. 123-449.000.

Hofer, Gerald; Laufer, Helmut; and Straubel, Max, 4,796,592, Cl. 123-502.000.

Strauch, C. Randolph. Demountable road sign. 4,817,318, 4-4-89, Cl. 40-610.000.

Strauch, Karl, to Werner Kammann Maschinenfabrik GmbH. Apparatus for printing on material in web form. 4,809,605, 3-7-89, Cl. 101-123.000.

Straus, Elliott J.: *See—*

Castro, Jose' M.; Straus, Elliott J.; and Shanoski, Henry, 4,808,361, Cl. 264-255.000.

Strausak, Benedikt. Automatic pool cleaner. 4,852,211, 8-1-89, Cl. 15-1.700.

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Strauser, Michael, 4,887,219, Cl. 364-474.090.

Strauser, Michael, to Strauser Manufacturing, Inc. Board cut-off saw assembly. 4,887,219, 12-12-89, Cl. 364-474.090.

Strauss, Bernard: *See—*

Mezger, Mark; Strauss, Bernard; Moy, Sam M.; and Prezelski, Joseph L., 4,842,659, Cl. 149-19.200.

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Strauss, Eberhard: *See—*

Gorrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,805,465, Cl. 73-862.340.

Gorrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,811,238, Cl. 364-508.000.

Strauss, Mark S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Area efficient input protection. 4,806,999, 2-21-89, Cl. 357-23.130.

Strauss, Mark S., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Protection of IGFET integrated circuits from electrostatic discharge. 4,821,089, 4-11-89, Cl. 357-68.000.

Strauss, Norbert, to Seidl & Partner GmbH. Colour-coding of data carriers. 4,846,503, 7-11-89, Cl. 283-70.000.

Strauss, Paul, to Zenith Electronics Corporation. Corner connectors for shadow mask support structure. 4,804,881, 2-14-89, Cl. 313-407.000.

Strauss, Paul, to Zenith Electronics Corporation. Sealing for CRT components. 4,826,463, 5-2-89, Cl. 445-45.000.

Strauss, Robert E.: *See—*

Smith, Lonnie W., 4,833,782, Cl. 30-392.000.

Strauss, Walter, to Friedrich Deckel Aktiengesellschaft. Radially adjustable tool. 4,884,481, 12-5-89, Cl. 82-1.200.

Strauss, Werner; Timmermann, Helmut; Hasse, Werner; and Weiffen, Karl-Heinz, to Klockner-Humboldt-Deutz AG. Air pillow in the air chambers of a bottom pulsed jigging machine. 4,832,835, 5-23-89, Cl. 209-455.000.

Strausser, Richard A., to Sexton, Hope. Color coding device, kit of components thereof, and methods of constructing and utilizing same. 4,874,084, 10-17-89, Cl. 206-231.000.

Straussmann, Juerger, to Siemens Aktiengesellschaft. Method for distributing current address tables in "n" ring-shaped networks. 4,836,317, 6-6-89, Cl. 178-2.00R.

Straver, Willibrordus G. M. M.; and Nordholt, Ernst H., to U.S. Philips Corporation. Envelope detector. 4,890,066, 12-26-89, Cl. 329-369.000.

Straw, Alan; and Ellis, Roger D., to Colgate-Palmolive Company. Apparatus for making post-foaming gels and method. 4,857,241, 8-15-89, Cl. 261-152.000.

Straw, David L.: *See—*

Straw, Jesse H.; and Straw, David L., 4,825,589, Cl. 47-67.000.

Straw, Gregory M., to United States of America, America. Method of treating psychotic illnesses. 4,808,630, 2-28-89, Cl. 514-317.000.

Straw, Jesse H.; and Straw, David L. Hanging plant carrier. 4,825,589, 5-2-89, Cl. 47-67.000.

Straw, Jim J.: *See—*

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Strawbridge, Joy W.: *See—*

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Strayer, Donald M.; and Dick, G. John, to California Institute of Technology. Ultra-stable superconducting cavity maser oscillator. 4,814,728, 3-21-89, Cl. 331-94.100.

Straznickas, Barbara A., executor: *See—*

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Straznickas, Donald A., deceased: *See—*

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Strazzolini, Paolo: *See—*

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Stream Industrial Systems Inc.: *See—*

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Streamlight, Inc.: *See—*

Brauch, Robert K.; and Sharrah, Raymond L., 4,843,298, Cl. 320-2.000.

Sharrah, Raymond L., 4,888,670, Cl. 362-205.000.

Strean, John M. Pullthrough delimbing device. 4,823,850, 4-25-89, Cl. 144-2.00Z.

Streater, Richard W.: *See—*

Suthers, Mark S.; Este, Grantley O.; Streater, Richard W.; and MacLaurin, Blair K., 4,814,658, Cl. 310-313.00D.

Streb, Karl-Peter; Szieslo, Uwe; and Oechsle, Manfred, to Castolin S.A. Device for the thermal spray application of welding materials. 4,805,836, 2-21-89, Cl. 239-80.000.

Strebkov, Dmitry S.: *See—*

Afian, Viktor V.; Vartanian, Albert V.; Martirosian, Ruben G.; Ryabikov, Stanislav V.; Strebkov, Dmitry S.; and Tveryanovich, Eduard V., 4,863,224, Cl. 350-3.700.

Streck, Donald A., to Iggulden, Jerry R., a part interest. Portable electronic office and components suitable therefor. 4,849,815, 7-18-89, Cl. 379-100.000.

Streck, Donald A., to Iggulden, Jerry R. Single line master telephone with FAX connection. 4,852,153, 7-25-89, Cl. 379-100.000.

Streck, Donald A.; and Iggulden, Jerry R., to Iggulden, Jerry R.; and Streck, Donald A., a part interest. Remote public telephone link. 4,856,046, 8-8-89, Cl. 379-56.000.

Streck, Donald A., to Iggulden, Jerry R., a part interest. Single line compatible fax system. 4,856,049, 8-8-89, Cl. 379-67.000.

Streck, Donald A., to Iggulden, Jerry R., a part interest. Squeeze to empty bottle. 4,865,224, 9-12-89, Cl. 222-95.000.

Streck, Donald A.: *See—*

Iggulden, Jerry R.; Streck, Donald A.; and Pender, Joseph W., 4,852,802, Cl. 239-64.000.

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Strecker, Helmut: *See—*

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Wissmann, Hans; Simons, Guido; and Strecker, Helmut, deceased, 4,820,860, Cl. 560-40.000.

Strecker, Ruediger, to Bayern-Chemie Gesellschaft fur flugchemische Antriebe mbH. Composite solid propellant. 4,798,636, 1-17-89, Cl. 149-19.900.

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Hendershot, John A.; and Streebin, Leale E., 4,796,676, Cl. 141-83.000.

Streed, Clifford: *See—*

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Street, Ronald A.: *See—*

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Streett, James T., 4,863,208, Cl. 296-37.150.

Streeter, Edward C. Link suspension for a rotor member. 4,797,591, 1-10-89, Cl. 310-103.000.

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Streett, James T., to Street Specialty Products Inc. Opener for a corvette rear-seat storage compartment cover. 4,863,208, 9-5-89, Cl. 296-37.150.

Strege, Gary L.; Renno, Gerd W.; Nelson, Kirk A.; and Melink, Stephen K., to Maysteel Corporation. Exhaust cleaning apparatus. 4,822,38 4-18-89, Cl. 55-248.000.

Strehl, Herbert, to Siemens Aktiengesellschaft. Method of correcting image errors. 4,807,032, 2-21-89, Cl. 358-166.000.

Strehlke, Gunter: *See—*

Henn, Friedrich; Neier, Wilhelm; Strehlke, Gunter; and Webers, Werner, 4,831,197, Cl. 568-899.000.

Strehlow, Robert W., to Mixer Systems Inc. Concrete batcher with segmented entry of mixing ingredients. 4,865,457, 9-12-89, Cl. 366-18.000.

Streich, Herbert K.; Leach, Robert D.; Johnson, Joel R.; Olson, Thomas B.; and Townsend, Donald L., to Arvin Industries, Inc. Wall mounted heater with plug mount and support. 4,873,422, 10-10-89, Cl. 219-370.000.

Streich, Steven G., to Halliburton Company. Hydraulic setting tool. 4,823,881, 4-25-89, Cl. 166-382.000.

Streich, Steven G.; and Hushbeck, Donald F., to Halliburton Company. Drillable, testing, treat, squeeze packer. 4,834,184, 5-30-89, Cl. 166-376.000.

Streichenberger, Antonius. Process for implantation of aquatic artificial substrates, structures for the implantation, and device for operating the process. 4,854,774, 8-8-89, Cl. 405-25.000.

Streichenberger, Rodolphe. Artificial substrates for marine biomass enhancement and wave energy absorption. 4,872,782, 10-10-89, Cl. 405-24.000.

Streicher, Josef. Forage harvester. 4,830,288, 5-16-89, Cl. 241-40.000.

Streicher, Josef. Feeder for a field crop chopper. 4,884,757, 12-5-89, Cl. 241-222.000.

Streicher, Rolf: *See—*

Ebel, Klaus; Reuther, Wolfgang; Fikentscher, Rolf; Lach, Dietrich; Streicher, Rolf; and Schaffer, Ortwin, 4,888,412, Cl. 528-230.000.

Streicher, Willi; Marzolph, Gerhard; Behre, Horst; and Blank, Heinz U., to Bayer Aktiengesellschaft. Process for the preparation of 1-aminonaphthalene-2,4,7-trisulphonic acid and 1-aminonaphthalene-7-sulphonic acid. 4,836,959, 6-6-89, Cl. 260-508.000.

Streicher, Willi: *See—*

Behre, Horst; Blank, Heinz U.; Marzolph, Gerhard; and Streicher, Willi, 4,873,026, Cl. 562-72.000.

Streifer, William; Burnham, Robert D.; and Paoli, Thomas L., to Xerox Corporation. Split contact phased array lasers. 4,799,223, 1-17-89, Cl. 372-24.000.

Streifer, William; Scifres, Donald R.; and Harnagel, Gary L., to Spectra Diode Laboratories, Inc. Diode laser arrangement forming bright image. 4,826,269, 5-2-89, Cl. 350-3.720.

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- Stroble, Carl P.; and More, Anthony P., to Allegheny Ludlum Corporation. Method of producing grain-oriented silicon steel with small boron additions. 4,878,959, 11-7-89, Cl. 148-111.000.
- Strobush, Victor H., to Honeywell, Inc. Dual purpose explosive lead for a projectile having a shaped charge warhead. 4,833,994, 5-30-89, Cl. 102-476.000.
- Stroby, Lennart; Nilsson, Ake; and Ask, Arne, to Oy Wartsila Ab. Vacuum sewage system. 4,865,631, 9-12-89, Cl. 55-163.000.
- Strock, William J.: *See—*
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- Strodter, Wilhelm, to Wilhelm Strodter Maschinen- und Apparatebau. Thread protector for screw threads, made of a deformable material with a complementary thread. 4,809,752, 3-7-89, Cl. 138-96.00T.
- Stroech, Klaus; Frie, Monika; Bockmann, Klaus; Lurssen, Klaus; and Dutzmann, Stefan, to Bayer Aktiengesellschaft. Fungicidal and plant growth-regulating azolyl-tetrahydropyran derivatives. 4,888,048, 12-19-89, Cl. 71-92.000.
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- Strohmeyer, Robert W., Sr. Collapsible ladder assembly. 4,852,688, 8-1-89, Cl. 182-199.000.
- Strohschneider, Heinz F., deceased (Strohschneider, Waltraud B., legal representative), to Augat Inc. ATE test fixture having a self-sealing vacuum skirt. 4,799,006, 1-17-89, Cl. 324-158.00F.
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- Strok, Jack M., to General Electric Company. Ceramic lamp end closure and inlead structure. 4,868,457, 9-19-89, Cl. 313-625.000.
- Stroll, Zoltan Z.: *See—*
  - Kang, Sang-Chul; Stroll, Zoltan Z.; and Miller, Stephen C., 4,829,452, Cl. 364-518.000.
- Strolle, Christopher H.; Smith, Terrence R.; Roeder, Barbara J.; and Isnardi, Michael A., to General Electric Company. Compatible widescreen television system. 4,816,899, 3-28-89, Cl. 358-12.000.
- Strolle, Clifford H.: *See—*
  - Antonelli, Joseph A.; McLaughlin, Joseph E.; and Strolle, Clifford H., 4,849,480, Cl. 525-303.000.
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  - Hazlett, Randy D.; and Strom, E. Thomas, 4,844,163, Cl. 166-270.000.
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  - Strom, David H., 4,885,858, Cl. 40-538.000.
- Strom, Richard A., to Magnetic Peripherals Inc. Side-vented magnetic head air bearing slider. 4,802,042, 1-31-89, Cl. 360-103.000.
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  - Inbasekaran, Muthiah N.; and Strom, Robert M., 4,806,688, Cl. 564-443.000.
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  - Brattstrom, Leif; Gustafsson, Hans; Strom, Tommy; Arvidsson, Bertil; and Cergeus, Sture, 4,831,936, Cl. 102-476.000.
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  - Cochran, Gary L.; Seeley, Ronald D.; Shelton, Donald G.; and Stromberg, Gary D., 4,812,103, Cl. 414-723.000.
  - Johnson, Richard S.; and Stromberg, Gary D., 4,850,790, Cl. 414-723.000.
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  - Edgley, Kevin D.; and Stromberg, James L., 4,830,794, Cl. 261-62.000.
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- Stromberger, Thomas; Freeland, Douglas; and Freeland, Dwain, to Deeze, Inc. Ignition system and control means for pelletized-fuel furnace. 4,881,472, 11-21-89, Cl. 110-186.000.
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- Strompl, Andras: *See—*
  - Nagy, Gabor; Neumann, Gyorgy; Kovacs, Marta; and Strompl, Andras, 4,877,199, Cl. 242-201.000.
- Stroms, Karl F., to International Business Machines Corp. Programmable magnetic repulsion punching apparatus. 4,872,381, 10-10-89, Cl. 83-76.100.
- Stroms, Karl F.: *See—*
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- Stromswold, Chester E.: *See—*
  - Apostolos, John T.; Stromswold, Chester E.; and Carrier, Robert H., 4,808,950, Cl. 333-157.000.
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  - Duenes, Patricia; Kenyon, Richard L.; Scapes, John N.; Schild, Eugene H.; and Strong, Arthur P., 4,831,833, Cl. 62-140.000.
- Strong, Bernard, to Jordan Enterprises. Filling device with sound indicator for filling injection syringe. 4,883,101, 11-28-89, Cl. 141-27.000.
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  - Jordan, Pavel; Muff, Janet; and Strong, Bernard, 4,850,973, Cl. 604-157.000.
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- Strong, Bob D., to Texas Instruments Incorporated. Schottky-clamped transistor logic buffer circuit. 4,851,715, 7-25-89, Cl. 307-456.000.
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  - Ovens, Kevin M.; and Strong, Bobby D., 4,857,771, Cl. 307-455.000.
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  - Sleichter, Charles G., III; Danks, Don; and Strong, Dale, 4,852,874, Cl. 272-13 000.
- Strong, David S.; and Dawson, John A., to Alcan International Limited. Multi-cell metal/air battery. 4,871,627, 10-3-89, Cl. 429-27.000.
- Strong, Donald E. Wood chipper with removable vertical anvil. 4,827,989, 5-9-89, Cl. 144-176.000.
- Strong, Edward T. Stabilizing parachute harness. 4,850,554, 7-25-89, Cl. 244-151.00R.
- Strong Equipment Corporation: *See—*
  - Eunson, Charles S., 4,858,747, Cl. 198-718.000.
- Strong, George W. Brooder feeding apparatus. 4,815,417, 3-28-89, Cl. 119-52.0AF.
- Strong-Grainger, Vonda. Intraoral dental radiographic film packet pad. 4,805,201, 2-14-89, Cl. 378-169.000.
- Strong, Michael F., to General Electric Co. Matrix addressed flat panel liquid crystal display device with dual ended auxiliary repair lines for address line repair. 4,840,459, 6-20-89, Cl. 350-333.000.
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  - Collington, Eric W.; Finch, Harry; Judd, Duncan B.; Johnson, Malcolm; and Strong, Peter, 4,847,255, Cl. 514-212.000.

- Strong, Russell C.: *See—*
  - Ferguson, Sam; Burns, Kathryn G.; and Strong, Russell C., 4,806,229, Cl. 208-47.000.
- Strong, Russell W.; and van Quekelberghe, Eric P. J., to Ford New Holland, Inc. Overlapping rasp bar rotor for axial flow combines. 4,889,517, 12-26-89, Cl. 460-66.000.
- Strong, Russell W.: *See—*
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- Strong, Thomas F. Fluid additive injector. 4,846,214, 7-11-89, Cl. 137-268.000.
- Strong, William H. Method for gasifying toxic and hazardous waste oil. 4,854,944, 8-8-89, Cl. 48-214.00R.
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  - Rupp, Charles R.; and Stronge, William R., 4,882,683, Cl. 364-521.000.
- Strongwater, Murray. Steering wheel cover. 4,800,776, 1-31-89, Cl. 74-558.000.
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  - Milton, A. David; and Stroobach, Jerry, 4,862,452, Cl. 370-62.000.
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  - Coppens, Paul J.; Stroobants, Marcel; and Matthe, Herman L., 4,845,010, Cl. 430-204.000.
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  - Gazzaniga, Annibale; Gianesello, Valter; Stroppolo, Federico; and Vigano, Luigi, 4,834,966, Cl. 424-43.000.
- Strosberg, Arthur D.; and Guillet, Jean-Gerard. Method for preparing rabbit monoclonal antibodies, the cell lines used therein and the antibodies produced thereby. 4,859,595, 8-22-89, Cl. 435-172.200.
- Strosberg, Gordon G.; Janotik, Adam M.; and Gentle, Derek F., to Ford Motor Company. Closure panel for automative bodies. 4,888,919, 12-26-89, Cl. 49-502.000.
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- Strosser, Richard P.; McIlwain, Irwin D.; Piccinato, Pierino; and Bohman, Carl E., to Ford New Holland, Inc. Bale accumulator with automatic control. 4,844,675, 7-4-89, Cl. 414-111.000.
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- Strosser, Richard P.; Wynn, Edward J.; Chow, Mark K.; and Schlotterbeck, Stephen C., to Ford New Holland, Inc. Round baler with continuous bale size monitoring. 4,855,924, 8-8-89, Cl. 364-468.000.
- Strosser, Richard P.; and Ashcroft, Dale A., to Ford New Holland, Inc. Service override for loader interlock. 4,871,044, 10-3-89, Cl. 180-273.000.
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  - Clevenger, James T., Jr.; Ashcroft, Dale A.; Strosser, Richard P.; and Anderson, Mark S., 4,844,196, Cl. 180-273.000.
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  - Hawkins, Phillip J.; Kasner, William H.; Toth, Vincent A.; and Stroster, Mariann C., 4,855,564, Cl. 219-121.780.
- Stroth, Leo: *See—*
  - Naumann, Jorg; Sharnagl, Thomas; and Stroth, Leo, 4,882,293, Cl. 437-52.000.
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  - Aadsen, Duane R.; Jain, Sunil K.; and Stroud, Charles E., 4,872,168, Cl. 371-21.300.
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- Stroud, Robert D.: *See—*
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  - Hunt, Michael S.; Mundell, Peter J.; and Strover, Angus E., 4,851,005, Cl. 623-18.000.
- Strowe, Robert J.; Edwards, Floyd V.; and Stern, Carl M., to Becton, Dickinson and Company. Medical infusion device. 4,838,857, 6-13-89, Cl. 604-67.000.
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  - Allen, Jimmy D., Cobb, Michael E.; Hillman, Robert S.; Mungall, Dennis R.; Ostoich, Vladimir E.; and Stroy, Gary H., 4,797,283, Cl. 424-443.000.
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- Strubhar, Malcolm K., to Mobil Oil Corporation. Limited entry, multiple fracturing from deviated wellbores. 4,867,241, 9-19-89, Cl. 166-308.000.
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  - Sigai, A. Gary; Alexander, Michael N.; and Struck, Charles W., 4,818,433, Cl. 252-301.40R.
- Struck, Leslie G.: *See—*
  - Lantz, Kenneth F.; Smolucha, Walter E.; and Struck, Leslie G., 4,856,785, Cl. 273-148.00B.
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  - Crowell, Christopher S., 4,799,764, Cl. 350-162.180.
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  - Maitland, Arthur; Weatherup, Clifford R.; and Strudwick, Ian A., 4,825,446, Cl. 372-87.000.
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- Struers A/S: *See—*
  - Voss, Jorgen T.; and Christensen, Asger P., 4,858,479, Cl. 73-865.900.
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- Struglinski, Mark J.: *See—*
  - Ver Strate, Gary; Bloch, Ricardo; Struglinski, Mark J.; Johnston, John E.; and West, Roger K., 4,804,794, Cl. 585-12.000.
- Struhs, Kenneth E.; Struhs, Mark J.; and Struhs, Patrick L., to Applied Engineering Products Co. Imaging assembly and mounting for surveillance viewing under remote control. 4,855,823, 8-8-89, Cl. 358-108.000.
- Struhs, Mark J.: *See—*
  - Struhs, Kenneth E.; Struhs, Mark J.; and Struhs, Patrick L., 4,855,823, Cl. 358-108.000.
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  - Struhs, Kenneth E.; Struhs, Mark J.; and Struhs, Patrick L., 4,855,823, Cl. 358-108.000.
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  - Chan, Yuen H.; Nijhuis, Rolf H.; Rivadeneira, Carlos G.; and Struk, James R., 4,851,711, Cl. 307-288.000.
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- Strum, William L.; and Topolski, Alvin S., to Du Pont de Nemours, E. I., and Company. Coextrusion blowmolding process. 4,824,618, 4-25-89, Cl. 264-37.000.
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- Strumillo, Maria: *See—*
  - Fedeli, Gianfranco; Diamantini, Giuseppe; Djaczenko, Wiktor; and Strumillo, Maria, 4,871,769, Cl. 514-550.000.

- Strumskis, Louis, to Georgia Oil & Gas Co., Inc. Nitrite-free-curing of bacon and product thereof. 4,806,372, 2-21-89, Cl. 426-129.000.
- Strunk, Dennis L.: *See—*
  - Banyai, Bruce E.; LaSota, Denis E.; and Strunk, Dennis L., 4,863,512, Cl. 75-5.000.
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- Strunz, Volker: *See—*
  - Franek, Henning; Deutscher, Klaus-Konrad, deceased; Broemer, Heinz; Strunz, Volker; and Rosenkranz, Wolfgang, 4,881,897, Cl. 433-169.000.
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  - Sfarti, Adrian; and Strupat, Achim, 4,809,169, Cl. 364-200.000.
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  - Bauer, Lothar; Strusch, Wolfgang; Hartmann, Ernst-Siegfried; Schleiermacher, Herbert; and Wahnschaffe, Juergen, 4,834,030, Cl. 123-41.720.
- Strusova, Natalya A.: *See—*
  - Fedorov, Svyatoslav N.; Egorova, Eleonora V.; Strusova, Natalya A.; Glazko, Viktor I.; and Trubilin, Vladimir N., 4,838,890, Cl. 623-6.000.
- Struth, Helmut, to Boehringer Ingelheim KG. Charging valve. 4,798,226, 1-17-89, Cl. 137-512.400.
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- Strutzel, Hans; and Wink, Peter, to Hoechst Aktiengesellschaft. Process and apparatus for the production of an extruded, stretched, seamless tube. 4,886,634, 12-12-89, Cl. 264-560.000.
- Struyf, William H., to Northwestern Bell Corporation. Optic fiber sanding fixture and method of using. 4,819,386, 4-11-89, Cl. 51-281.00R.
- Struzhkov, Vyacheslav N.: *See—*
  - Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., 4,871,448, Cl. 209-169.000.
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- Strybel, Richard V., to Clevite Industries Inc. Manually operable swivel tube bender. 4,827,755, 5-9-89, Cl. 72-458.000.
- Strycker, Donald S.: *See—*
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- Stryd, Thomas N. Continuous perforated paper sheet for printer. 4,802,692, 2-7-89, Cl. 281-5.000.
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  - Brennan, Thomas J.; and Evans, James A., 4,873,461, Cl. 310-47.000.
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  - Richmond, James W.; Tice, Robert G.; and Booth, William M., III, 4,826,494, Cl. 604-323.000.
- Stryker, Jeffrey M.: *See—*
  - Bergman, Robert G.; Buchanan, J. Michael; Stryker, Jeffrey M.; and Wax. Michael J., 4,849,534, Cl. 556-23.000.
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- Sttahl, Daniel E.: *See—*
  - Rudy, William J., Jr.; Shaffer, Howard R.; and Sttahl, Daniel E., 4,864,719, Cl. 29-764.000.
- Stuaffer Chemical Company: *See—*
  - Curtis, Jeff K., 4,871,857, Cl. 546-220.000.
- Stuart, Alan S.: *See—*
  - Moore, William T.; and Stuart, Alan S., 4,808,823, Cl. 250-334.000.
- Stuart & Associates, Inc.: *See—*
  - Palmer, James D.; and Stuart, Michael W., 4,848,661, Cl. 239-204.000.
- Stuart-Bruges, William P., to Halliburton Logging Services, Inc. Method and apparatus for transmitting and processing data from well logging tool. 4,852,070, 7-25-89, Cl. 367-81.000.
- Stuart, Craig J. Aquatic exercising aid. 4,858,913, 8-22-89, Cl. 272-71.000.
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- Stuart, Jerry E.: *See—*
  - Collins, Imack L.; Stuart, Jerry E.; and Foster, Gary H., 4,835,867, Cl. 30-276.000.
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- Stuart, Michael W.: *See—*
  - Palmer, James D.; and Stuart, Michael W., 4,848,661, Cl. 239-204.000.
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- Stuart, Richard K., Jr., to Eastman Kodak Company. Highly amorphous olefin terpolymer. 4,826,939, 5-2-89, Cl. 526-348.500.
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  - Foster, Bruce W.; Clubb, Clyde N.; and Stuart, Richard K., Jr., 4,886,853, Cl. 524-477.000.
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  - Engers, Stefan, 4,819,304, Cl. 24-232.00R.
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  - Schroder, Theo; and Stubbe, Mathias, 4,806,650, Cl. 546-242.000.
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- Stubenvoll, Josef: *See—*
  - Zechner, Franz; and Stubenvoll, Josef, 4,859,440, Cl. 423-240.000.
- Stuber, Fred A.: *See—*
  - Durvasula, Visweswara R.; and Stuber, Fred A., 4,847,416, Cl. 564-443.000.
- Stuber, Wayne G.; and Kovak, Kenneth W., to Air Products and Chemicals, Inc. Reliquefaction of boil-off from liquefied natural gas. 4,843,829, 7-4-89, Cl. 62-54.200.
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  - Puschel, Petr; Formanek, Zdenek; Krivanek, Vaclav; Pokorny, Antonin; Vlasakova, Anna; and Stuchikova, Alena, 4,879,246, Cl. 436-145.000.
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- Stuckenbrok, Freder. Pedal crank as well as a pedal crank drive for bicycles or the like and a mounting for such a pedal crank drive. 4,807,491, 2-28-89, Cl. 74-594.100.

- Stuckey, Buddy S.; Merkling, Roy L., Jr.; and Sherwin, Owen W., to Flint & Walling, Inc. Motor and pump assembly. 4,810,174, 3-7-89, Cl. 417-423.140.
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  - Baumann, Hans; and Stucki, Samuel, 4,836,929, Cl. 210-638.000.
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- Stuckler, Hubert; and Dobramysl, Wilhelm, to Chemie Linz G.m.b.H. Process for the preparation of pure 1-phenyl-3-carbalkoxy-5-hydroxypyrazoles. 4,837,335, 6-6-89, Cl. 548-367.000.
- Stucky, Michael E., to E Z Dek, Inc. Deck for mobile homes. 4,883,306, 11-28-89, Cl. 296-162.000.
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- Studebaker, Thomas J.: *See—*
  - Moy, Michael E.; Bray, Stuart W.; Kummli, Paul; Beavers, Kelly J.; Goodknight, Frank; Baer, James R.; Hughes, Timothy C.; Seabury, John L.; Nugent, Steven F.; Studebaker, Thomas J.; Kutasy, Eugene; and Sellke, Richard G., 4,864,511, Cl. 364-478.000.
- Studeneer, Adolf: *See—*
  - Wellbrock, Werner; and Studeneer, Adolf, 4,803,015, Cl. 260-402.000.
- Studenski, Arnold H. Tempered glass door fitting apparatus. 4,837,993, 6-13-89, Cl. 52-208.000.
- Studer, Ernst: *See—*
  - Duffour, Henri; Martin, Serge; and Studer, Ernst, 4,877,928, Cl. 200-144.00R.
- Studer, Franz: *See—*
  - von Arb, Hans-Peter; Durr, Ulrich; Gressly, Andre ; and Studer, Franz, 4,881,233, Cl. 372-35.000.
- Studer, John E., Jr.: *See—*
  - Dufresne, Joel R.; Dieken, Alan P.; and Studer, John E., Jr., 4,803,986, Cl. 128-385.000.
- Studer, John R.: *See—*
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  - Bogdanovic, Borislav; Ritter, Alfred; and Spliethoff, Bernd, 4,829,772, Cl. 62-48.100.
  - Bogdanovic, Borislav; and Schwickardi, Manfred, 4,832,934, Cl. 423-463.000.
  - Schaffner, Kurt; and Demuth, Martin, 4,864,037, Cl. 549-274.000.
  - Wilke, Gunther; Monkiewicz, Jaroslaw; and Kuhn, Herbert, 4,827,067, Cl. 585-369.000.
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  - Kirchmayr, Karl; Miko, Hans-Jurgen; Watzka, Bruno; Studinka, Josef; and Schmitt-Henco, Carl, 4,797,161, Cl. 106-98.000.
- Studinski, Robert A.: *See—*
  - Lannert, James W.; Studinski, Robert A.; and Walter, Florian A., 4,804,876, Cl. 312-221.000.
- Studsvik Energiteknik AB: *See—*
  - Mogard, Hilding, 4,822,559, Cl 376-415.000.
- Studt, William L.: *See—*
  - Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Dodson, Stuart A., 4,847,264, Cl. 514-300.000.
  - Faith, William C.; Campbell, Henry F.; Kuhla, Donald E.; Studt, William L.; and Bernes, James L., 4,806,535, Cl. 514-248.000.
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  - Kuhla, Donald E.; Campbell, Henry F.; Studt, William L.; and Molino, Bruce F., 4,818,755, Cl. 514-228.200.
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  - Jungowski, Wiktor M.; and Studzinski, Wojciech, 4,867,190, Cl. 137-1.000.
- Stueben, Helmut: *See—*
  - Baymak, Faruk; and Stueben, Helmut, 4,799,632, Cl. 244-122.00R.
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- Stuedemann, John A.: *See—*
  - Lipham, Luke B.; Stuedemann, John A.; and Thompson, Frederick N., Jr., 4,880,632, Cl. 424-425.000.
- Stuerzebecher, Claus-Steffen: *See—*
  - Skuballa, Werner; Raduechel, Bernd; Vorbrueggen, Helmut; Schillinger, Ekkehard; and Stuerzebecher, Claus-Steffen, 4,827,017, Cl. 560-56.000.
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- Stuessy, Rex E. Pool cleaning chlorine envelope. 4,817,214, 4-4-89, Cl. 4-222.000.
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  - Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.
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- Stuhler, William B.: *See—*
  - Ammon, J. Preston; and Stuhler, William B., 4,867,628, Cl. 414-273.000.
- Stuhlmacher, John: *See—*
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- Stuhmer, Karl-Gerhart; Frey, Otto; and Koch, Rudolf, to Sulzer Brothers Limited. Artificial crucial ligament for a knee joint. 4,795,466, 1-3-89, Cl. 623-13.000.
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- Stuhr, Leslie P., to Honeywell Inc. Permanent magnet motor with hysteresis drag cup coupling. 4,885,489, 12-5-89, Cl. 310-78.000.
- Stuhrmann, Heinz: *See—*
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- Stuitje, Cornelis C. Apparatus for exhausting the combustion gases of a stove fired on liquid or gaseous fuel. 4,878,479, 11-7-89, Cl. 126-84.000.
- Stukalin, Felix; and Pruyn, Kristopher F., to Digital Equipment Corporation. Test fixture for electronic components. 4,842,526, 6-27-89, Cl. 439-42.000.
- Stulen, Foster B.; Pape, Douglas B.; and Williams, William J., to Gas Research Institute. Boiling condition detector. 4,869,233, 9-26-89, Cl. 126-374.000.
- Stulen, John: *See—*
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- Stull, Gene. Closure cap construction. 4,826,055, 5-2-89, Cl. 222-524.000.
- Stull, Gene. Twist cap having adjustable flow rate. 4,842,169, 6-27-89, Cl. 222-521.000.
- Stull, James T.: *See—*
  - Jude, Daniel; and Stull, James T., 4,883,369, Cl. 384-476.000.
- Stultz, Robert D.; and Narhi, Donald E., to Hughes Aircraft Company. Raman cavity dump laser. 4,868,833, 9-19-89, Cl. 372-11.000.
- Stultz, Robert L.; Angel, James M.; and Kopsa, Rodney. Method and apparatus for removal of stakes, and the like. 4,817,917, 4-4-89, Cl. 254-30.000.
- Stultz, Timothy J., to Peak Systems, Inc. Long arc lamp for semiconductor heating. 4,820,906, 4-11-89, Cl. 219-405.000.
- Stulz, Lawrence W.: *See—*
  - Stone, Julian; and Stulz, Lawrence W., 4,861,136, Cl. 350-96.300.
- Stum, Rezso: *See—*
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Stummer, Baldur, to Siemens Aktiengesellschaft. Digital signal multiplex device. 4,807,221, 2-21-89, Cl. 370-102.000.

Stummer, Giselher: *See—*

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Stump, Jeffrey D.: *See—*

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Stump, John L.: *See—*

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Stumpf, Robert W.: *See—*

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Stumpf, Walter, to Simmons U.S.A. Corporation. Method for providing pocketed coil strings having a flat overlap side seam. 4,854,023, 8-8-89, Cl. 29-91.000.

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Stumpff, Phillip W.; and Taylor, Richard D., to Philrich Innovators Research Manufacturing and Development, Inc. Three-way switch system and adapter therefor. 4,820,197, 4-11-89, Cl. 439-535.000.

Stumpp, Gerhard; and Wessel, Wolf, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. 4,811,711, 3-14-89, Cl. 123-359.000.

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Stunzi, Joseph M.; and Sellers, James R., to Westinghouse Electric Corp. Replaceable high current draw out fuseholder. 4,808,963, 2-28-89, Cl. 337-246.000.

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Stupakis, John S., to JSS Scientific Corporation. Wave action power generator. 4,843,250, 6-27-89, Cl. 290-53.000.

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Stupeck, Donald G.; Palombo, Gaston A.; Nazarian, Ara W.; and Gagnier, Hugh K., to Peripheral Technology, Inc. Automatic head retract system for disk drive. 4,866,554, 9-12-89, Cl. 360-105.000.

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Sturans, Maris A.: *See—*

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Sturdevan, Ronald P., to Prestolite Wire Corporation. Reinforced boot for spark plug cables. 4,810,198, 3-7-89, Cl. 439-125.000.

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Sturdevan, Ronald P., to Prestolite Wire Corporation. Reinforced boot for spark plug cables. 4,884,977, 12-5-89, Cl. 439-125.000.

Sturdivant, Jack L. Vacuum painting apparatus. 4,823,728, 4-25-89, Cl. 118-50.000.

Sturgeon, Clayton L., to Qualitron, Inc. Integrated magnetic power converter. 4,858,093, 8-15-89, Cl. 363-20.000.

Sturges, James R., to Raytheon Company. Connector engaging nut locking mechanism. 4,838,805, 6-13-89, Cl. 439-321.000.

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Sturges, Robert H.: *See—*

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Sturgis, David H.; and Kemp, William W., to Precision Castparts Corp. Method for recovering casting refractory compositions from investment casting slurries. 4,799,530, 1-24-89, Cl. 164-5.000.

Sturgis, David H.; and Kemp, William W., to Precision Castparts Corp. Method for recovering casting refractory compositions from investment casting shell molds. 4,815,516, 3-28-89, Cl. 164-5.000.

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Sturgis, John I., to Polaroid Corporation. Film advancing assembly for self-developing film. 4,823,154, 4-18-89, Cl. 354-86.000.

Sturgis, John I.; and Whiteside, George D., to Polaroid Corporation. Integral film assemblage of the instant or self-developing type. 4,824,761, 4-25-89, Cl. 430-209.000.

Sturgis, John I.: *See—*

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Sturm, Harald; Terwonne, Rolf-Walter; and Thunig, Dieter, to Huels Aktiengesellschaft. Process for the production of thermoplastic compositions and compositions produced thereby. 4,798,869, 1-17-89, Cl. 525-305.000.

Sturm, Joachim: *See—*

Senkowski, Gottfried; and Sturm, Joachim, 4,878,430, Cl. 102-202.900.

Sturm, Michael. Exhaust gas turbine connected to engine output. 4,872,311, 10-10-89, Cl. 60-615.000.

Sturm, Michael O.; and Mika, Frank A., to Sturm, Michael O. Arrow string tracking apparatus. 4,801,151, 1-31-89, Cl. 273-416.000.

Sturm, Robert E.: *See—*

Herigstad, David P.; and Sturm, Robert E., 4,863,335, Cl. 414-495.000.

Sturm, Ruger & Company, Inc.: *See—*

Ruger, William B., 4,815,226, Cl. 42-6.000.

Ruger, William B.; and Larson, Lawrence L., 4,835,892, Cl. 42-7.000.

Ruger, William B., 4,860,480, Cl. 42-101.000.

Sturm, Steven P., to Process Automation Business, Inc. Apparatus and methods employing infrared absorption means to measure the moisture content of heavy grades of paper. 4,823,008, 4-18-89, Cl. 250-339.000.

Sturm, Steven P., to Process Automation Business, Inc. Direct infrared measurement of homogenous mixtures. 4,837,438, 6-6-89, Cl. 250-339.000.

Sturm, Werner, to Steuler-Industriewerke GmbH. Apparatus for the continuous reduction of sulphur-containing gases. 4,851,197, 7-25-89, Cl. 422-171.000.

Sturman, Eddie; Grill, Benjamin; and Harrison, Walter L., to Galcon. Simplified battery operated automatic and manually operable valve. 4,811,221, 3-7-89, Cl. 364-420.000.

Sturman, Martin F.; and Spier, I. Martin. Safety hypodermic syringe. 4,863,435, 9-5-89, Cl. 604-198.000.

Sturman, Oded E.; Grill, Benjamin; and Harrison, Lynn, to Kineret Engineering. Temperature compensated hall effect position sensor. 4,857,842, 8-15-89, Cl. 324-225.000.

Sturmer, Winfried: *See—*

Riese, Hans-Walter; Ziegler, Erwin; Sturmer, Winfried, and Ruppel, Reinhold, 4,848,555, Cl. 192-70.250.

Sturmey, Ingrid C.: *See—*

Bowser, Paul A.; and Sturmey, Ingrid C., 4,839,161, Cl. 424-59.000.

Sturmon, George. Bushing for vehicle suspension. 4,840,395, 6-20-89, Cl. 280-688.000.

Sturrock, James C.: *See—*

Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,798,232, Cl. 141-1.000.

Stembridge, William F.; Stembridge, W. Frank; and Sturrock, James C., 4,817,689, Cl. 141-198.000.

Stembridge, William F.; Sturrock, James C.; and Stembridge, W. Frank, 4,883,100, Cl. 141-1.000.

Sturtevant, Inc.: *See—*

English, William S., 4,885,832, Cl. 29-401.100.

Sturtz, Charles R., Jr.: *See—*

Garman, Anthony L.; and Sturtz, Charles R., Jr., 4,815,191, Cl. 29-434.000.

Sturtz, John P.: *See—*

Steinle, Shelton; Sturtz, John P.; Dayal, Yogeshwar; and Wimpee, Lealon C., 4,858,461, Cl. 73-23.000.

Sturwold, Robert J., to Cincinnati-Vulcan Company. Metalworking lubricants derived from natural fats and oils. 4,885,104, 12-5-89, Cl. 252-48.400.

Sturza, Mark A., to Litton Systems, Inc. Fast sequencing demodulation method and apparatus. 4,849,961, 7-18-89, Cl. 370-18.000.

Sturza, Mark A.; and Brown, Alison K., to Litton Systems, Inc. Digital system for codeless phase measurement. 4,862,178, 8-29-89, Cl. 342-357.000.

Sturzebecher, Claus-Steffen: *See—*

Vorbruggen, Helmut; Schwarz, Norbert; Loge, Olaf; Sturzebecher, Claus-Steffen; and Elger, Walter, 4,870,104, Cl. 514-530.000.

Stute, Rolf: *See—*

Glittenberg, Detlev; and Stute, Rolf, 4,810,517, Cl. 426-578.000.

Stutsman, Richard, to Vertx Corporation. Apparatus and method for using unique charge cards dispensed from a vending machine. 4,884,212, 11-28-89, Cl. 364-479.000.

Stutz, Frank; Yu, Jing-peir; and McKinney, Stanley E., to Monsanto Company. Polyamide feed yarn for air-jet texturing. 4,816,550, 3-28-89, Cl. 528-335.000.

Stutz, Herbert: *See—*

Frosch, Hans-Georg; Grave, Heinrich; Stutz, Herbert; Waldau, Eckart; and Fuhrmann, Peter, 4,847,408, Cl. 560-347.000.

Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,408, Cl. 560-330.000.

Knofel, Hartmut; Brockelt, Michael; Penninger, Stefan; and Stutz, Herbert, 4,879,409, Cl. 560-330.000.

Stutz, Jean, to Spritztechnik, AG. Apparatus for mixing and dosing synthetic resin components and process for the operation of this apparatus. 4,881,821, 11-21-89, Cl. 366-162.000.

Stutz, William A.; Kiss, Laszlo A.; and Rizzi, Joseph D., to Alto Technology. Photograph processing method and apparatus. 4,888,607, 12-19-89, Cl. 354-323.000.

Stutzel, Klaus: *See—*

Weber, Karl L.; van Raemdonck, Edwin; Stutzel, Klaus; and Vingerhoets, Marcel, 4,849,517, Cl. 544-219.000.

Stutzenberger, Heinz, to Robert Bosch GmbH. Fuel injection pump for combustion engines. 4,884,543, 12-5-89, Cl. 123-387.000.

Stutzer, Franz A.: *See—*

Frank, Karlheinz; Hanschke, Christoph; and Stutzer, Franz A., 4,817,309, Cl. 38-15.000.

Stutzman, Ralph. Clothing wear monitoring device. 4,886,010, 12-12-89, Cl. 116-308.000.

Stutzman, Ralph C.: *See—*

Bhat, Gulgunji R.; Lukenbach, Elvin R.; and Stutzman, Ralph C., 4,800,076, Cl. 424-69.000.

Stuvecke, Claus-Peter; and Gotz, Johann. Process for the drawing of optical fibers through textiles, and a device for the carrying out of the process. 4,854,250, 8-8-89, Cl. 112-80.160.

Stuyvenberg, Bernard. Motor control circuit with vibration detector. 4,866,358, 9-12-89, Cl. 318-460.000.

Styer, Fred W.: *See—*

Cochrane, Douglas A., Jr.; and Styer, Fred W., 4,839,873, Cl. 367-133.000.

Styfhoorn, John, to Caterpillar Inc. Test bench for testing hydraulic pumps and motors. 4,798,086, 1-17-89, Cl. 73-168.000.

Styles, George R.; Jones, K. Tom; and Bloom, Devin A., to Pacific BioSystems, Inc. Cyclically varying pulsating fluid supply system. 4,802,508, 2-7-89, Cl. 137-624.130.

Styles, J. Cabot. Refrigerated and moisturized produce rack and method for the refrigerated and moisturized display and storage of produce. 4,801,180, 1-31-89, Cl. 312-115.000.

Styles, William G. Locking system for sliding panels. 4,826,225, 5-2-89, Cl. 292-338.000.

Styner & Bienz AG: *See—*

Glaus, Heinrich; Lehmann, Peter; Joehr, Hans; and Freiburghaus, Rene, 4,798,231, Cl. 140-119.000.

Stypula, Richard J., to International Flavors & Fragrances Inc. Process for preparing a coated food product. 4,877,628, 10-31-89, Cl. 426-302.000.

Stypula, Richard J.; and Buckholz, Lawrence, Jr., to International Flavors & Fragrances Inc. Process for preparing a coated food product. 4,877,629, 10-31-89, Cl. 426-302.000.

Su, Cheng-I: *See—*

Su, Dickson; Su, Rong-Yuan; Su, Cheng-I; and Su, Mai-Lin, 4,815,737, Cl. 273-60.00R.

Su, Cheng Y. Moveable valve structure for perfume atomizers. 4,821,928, 4-18-89, Cl. 222-321.000.

Su-Chin, Chen; L. Flexibie tool case accessories compartment assembly structure. 4,884,689, 12-5-89, Cl. 206-372.000.

Su, Chung-Yi: *See—*

Tan, Michael; Su, Chung-Yi; and Anklam, William J., 4,855,696, Cl. 333-20.000.

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Su, Hsiu-Kuei. Nail trimmer. 4,854,334, 8-8-89, Cl. 132-73.600.

Su, Jow-Lih: *See—*

Sherwin, Martin B.; and Su, Jow-Lih, 4,869,889, Cl. 423-373.000.

Su, Jy-Hong: *See—*

D'Agosto, Nicholas A., III; Chamberlin, David B.; Su, Jy-Hong; Jachmann, Emil F.; and Grey, Suzanne N., 4,860,339, Cl. 379-67.000.

Su, Kai C.; and Molock, Frank F., to Ciba-Geigy Corporation. Wettable, flexible, oxygen permeable, substantially non-swellable contact lens containing polyoxyalkylene backbone units, and use thereof. 4,857,606, 8-15-89, Cl. 525-455.000.

Su, Kai C.; and White, Jack C., to Ciba-Geigy Corporation. Apparatus for venting of gases from contact lens cases. 4,889,693, 12-26-89, Cl. 422-113.000.

Su, Kai C.: *See—*

Molock, Frank; Robertson, J. Richard, Jr.; and Su, Kai C., 4,859,780, Cl. 548-550.000.

Su, Kou-Hwa. Paint roller. 4,835,812, 6-6-89, Cl. 15-105.000.

Su, Kuo K. Folding crate. 4,844,277, 7-4-89, Cl. 220-6.000.

Su, Mai-Lin: *See—*

Su, Dickson; Su, Rong-Yuan; Su, Cheng-I; and Su, Mai-Lin, 4,815,737, Cl. 273-60.00R.

Su, Robert T.: *See—*

Reddel, Roger R.; Yang, Ke; Rhim, Johng S.; Brash, Douglas; Su, Robert T.; Lechner, John F.; Gerwin, Brenda I.; Harris, Curtis C.; and Amstad, Paul, 4,885,238, Cl. 435-29.000.

Su, Rong-Yuan: *See—*

Su, Dickson; Su, Rong-Yuan; Su, Cheng-I; and Su, Mai-Lin, 4,815,737, Cl. 273-60.00R.

Su, Sophia R., to GTE Laboratories Incorporated. Doped silicon nitride article. 4,834,928, 5-30-89, Cl. 264-56.000.

Su, Sophia R.: *See—*

Lieberman, Sheldon; Trickett, Elizabeth; and Su, Sophia R., 4,814,128, Cl. 264-65.000.

Su, Tien-Kuei, to Mobil Oil Corporation. Compositions and extruded articles compromising polyolefin, polyamide and fatty acid amide. 4,812,504, 3-14-89, Cl. 524-229.000.

Su, Tien-Kuei, to Mobil Oil Corporation. Terblends and films of LLDPE, LMW-HDPE and HMW-HDPE. 4,824,912, 4-25-89, Cl. 525-240.000.

Su, Tien-Kuei, to Mobil Oil Corporation. Anti-blocking LLDPE films. 4,851,478, 7-25-89, Cl. 525-240.000.

Su, Tien-Kuei, to Mobil Oil Corporation. High shear extrusion of linear low density polyethylene. 4,859,398, 8-22-89, Cl. 264-564.000.

Su, Tien-Kuei: *See—*

Cunningham, Theresa L.; Shaw, Richard G.; and Su, Tien-Kuei, 4,814,383, Cl. 525-133.000.

Cunningham, Theresa L.; Shaw, Richard G.; and Su, Tien-Kuei, 4,826,908, Cl. 524-448.000.

Su, Tseng, to Tseng, Su; and Tung Ho Industry Co., Ltd. Manual-/automatic dual-purpose umbrella structure. 4,825,888, 5-2-89, Cl. 135-22.000.

Su, Tsung-Yuan, to Kemet Electronics Corporation. Fuse assembly for solid electrolytic capacitor. 4,814,946, 3-21-89, Cl. 361-523.000.

Su, Wei-Fang A.: *See—*

Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., 4,844,947, Cl. 427-53.100

Suarez, Adolfo B.: *See—*

Westbrook, James E.; and Suarez, Adolfo B., 4,796,255, Cl. 370-100.000.

Westbrook, James E.; and Suarez, Adolfo B., 4,852,085, Cl. 370-67.000.

Suarez, Francisco A. F.: *See—*

Aymerica del Valle, Alejandro A.; Capdet, Pablo A. P.; Suarez, Francisco A. F.; and Aguado, Efrain G., 4,809,688, Cl. 128-88.000.

Suarez, Richard A.; and Friedebach, Adolf H., to Fitness Quest, Inc. Exercise device. 4,815,731, 3-28-89, Cl. 272-139.000.

Sub-Tank Renewal Systems, Inc.: *See—*

Tock, Richard W., 4,818,604, Cl. 428-319.900.

Sub-Zero Freezer Co., Inc.: *See—*

Wilkins, Allen L.; Hottmann, Philip F.; and Caruso, Jerome, 4,867,512, Cl. 312-245.000.

Subbaraman, Maria R.: *See—*

Dunn, Charlton; and Subbaraman, Maria R., 4,838,759, Cl. 415-143.000.

Subbiah, M. T. Ravi, to University of Cincinnati. Guarana seed extract and method of preparation. 4,861,594, 8-29-89, Cl. 424-195.100.

Suberg, Stacy N.: *See—*

Temple, Davis L.; Rafferty, Michael F.; Eison, Michael S.; and Suberg, Stacy N., 4,847,252, Cl. 514-252.000.

Subhash, Gandbhir: *See—*

Erwin, Piepka; Paul, Wollhaf; and Subhash, Gandbhir, 4,798,504, Cl. 409-2.000.

Sublette, Kerry L.; and Prestridge, Floyd L., to National Tank Company. Resolution of emulsions with multiple electric fields. 4,804,453, 2-14-89, Cl. 204-302.000.

Sublette, Kerry L., to Combustion Engineering, Inc. Production of a single cell protein. 4,859,588, 8-22-89, Cl. 435-68.000.

Sublette, Kerry L.; Woolsey, Maron E.; Manning, Francis S.; Montgomery, Anne D.; and McInerney, Michael J., to Combustion Engineering, Inc. Microbial control of hydrogen sulfide production by sulfate reducing bacteria. 4,879,240, 11-7-89, Cl. 435-252.100.

Sublette, Kerry L., to Combustion Engineering, Inc. Biofilter for the treatment of sour water. 4,880,542, 11-14-89, Cl. 210-611.000.

Submicron Structures, Inc.: *See—*

Gilson, Greyson, 4,835,088, Cl. 430-323.000.

Subotic, Nikola S.: *See—*

Aleksoff, Carl C.; Subotic, Nikola S.; and Viannes, Nickolas P., 4,847,796, Cl. 364-602.000.

Subotics, Gyula: *See—*

Tatai, Llona; Gundisch, Gusztav; Palotas, Laszlo; and Subotics, Gyula, 4,852,713, Cl. 198-337.000.

Subramaniam, Anandaraman; Ozogar, Robert M.; and Bergsbaken, Carlton K., to Borden, Inc. Non-bitter enzyme modified cheese flavoring material and spray dried product. 4,853,232, 8-1-89, Cl. 426-35.000.

Subramanian, Lakshmina R.: *See—*

Gorler, Klaus; Krumbiegel, Gunter; Hanack, Michael; and Subramanian, Lakshmina R., 4,835,178, Cl. 514-463.000.

Subramanian, Munirpallam A.: *See—*

Bolt, John D.; and Subramanian, Munirpallam A., 4,866,031, Cl. 505-1.000.

Chowdhry, Uma; Corbin, David R.; and Subramanian, Munirpallam A., 4,814,303, Cl. 501-119.000.

Gopalakrishnan, Jagannatha; Sleight, Arthur W.; and Subramanian, Munirpallam A., 4,835,136, Cl. 505-1.000.

Subramanian, Pallatheri M., to Du Pont de Nemours, E. I., and Company. Mineral reinforced nylon compositions for blowmolding. 4,804,703, 2-14-89, Cl. 524-444.000.

Subramanian, Pallatheri M.: *See—*

Mehra, Vinodkumar; and Subramanian, Pallatheri M., 4,826,897, Cl. 523-455.000.

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Subramanian, Sundaresa V. Process for producing compacted graphite iron castings. 4,806,157, 2-21-89, Cl. 420-30.000.

Subramanyam, Ravi: *See—*

Ahmed, Fahim U.; Gabor, Thomas J.; Muller, Ernest G.; and Subramanyam, Ravi, 4,867,899, Cl. 252-121.000.

Succi, Marco, to SAES Getters SpA. Method and apparatus for detection of trace impurities in an impure inert gas. 4,889,814, 12-26-89, Cl. 436-133.000.

Such, Christopher H.: *See—*

Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,880,931, Cl. 544-316.000.

Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,883,873, Cl. 544-316.000.

Suchannek, Rudolph G.: *See—*

Carlisle, Thomas P.; Thek, Mark R.; and Suchannek, Rudolph G., 4,816,785, Cl. 333-99.0MP.

Suchdev, Lakhbir S.; and Campbell, Jack E., to Textron Inc. Self adjusting rotor for a centrifugal clutch. 4,821,859, 4-18-89, Cl. 192-105.0CD.

Sucheski, Robert J.: *See—*

Walton, Charles F.; Sucheski, Robert J.; Bridenbaugh, James F.; and Chapman, James J., 4,858,381, Cl. 47-79.000.

Suchocki, Anthony J., to General Dynamics Land Systems, Inc. Double loop ammunition magazine of compact construction. 4,873,911, 10-17-89, Cl. 89-34.000.

Suchomel, Frank R.: *See—*

Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., 4,817,070, Cl. 369-36.000.

Suchomel, Michael: *See—*

Anderson, Philip M., III; Kearney, James E.; Suchomel, Michael; and Urbanski, Jeffrey C., 4,868,915, Cl. 340-825.310.

Suchy, Helmut, to Gyroteq Corporation. Physical exercise apparatus. 4,799,667, 1-24-89, Cl. 272-36.000.

Suciu, Elena N.: *See—*

Bortinger, Arie; Pieters, Wim; and Suciu, Elena N., 4,851,605, Cl. 585-640.000.

Suciu-Foca, Nicole; and King, Donald W., to Columbia University in the City of New York, The Trustees of. Late differentiation antigens associated with helper T lymphocyte function. 4,816,404, 3-28-89, Cl. 435-240.270.

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Suciu, Gabriel L.: *See—*

Brodell, Robert F.; and Suciu, Gabriel L., 4,884,950, Cl. 416-174.000.

Suciu, George D.; Khonsari, Ali M.; and Chen, Jamin, to Lummus Company, The. Phenol purification. 4,857,151, 8-15-89, Cl. 203-82.000.

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Khonsari, Ali M.; Chen, Jamin; Suciu, George D.; Fisher, William B.; and Crescentini, Lamberto, 4,851,086, Cl. 203-38.000.

Suck, Catherine; Bret, Pierre; and Pozzi, Jacques, to Societe de Promotion, Recherche et Innovation Technologique. Metering valve. 4,809,888, 3-7-89, Cl. 222-402.110.

Suck, Yoon-Gi. Manufacturing method of the gas-flow valve nozzle of a lighter. 4,873,752, 10-17-89, Cl. 29-157.00C.

Suckow, William H., to J. M. Huber Corporation. Unitized instrument manifold. 4,879,912, 11-14-89, Cl. 73-861.610.

Sucre Recherches et Developpements: *See—*

de Baynast de Septfontaines, Regis J. M. P.; Brouard, Francois E. M. E.; Baret, Jean-Luc A. G.; Gicquiaux, Yvon G. A. J. M.; and Olsen, Hans S., 4,886,672, Cl. 426-48.000.

Paul, Francois B.; Monsan, Pierre F.; Remaud, Magali M. C.; and Pelenc, Vincent P., 4,861,381, Cl. 127-41.000.

Sud, Arun; and Paul, Sankar K., to Business Forms Limited. Carbonless copy paper. 4,822,770, 4-18-89, Cl. 503-214.000.

Sud, Emmanuel; Lelay, Jean-Pierre; and Encaoua, Serge, to Societe d'Applications Generales d'Electricite et de Mecanique Sagem. Polychromatic mutual alignment device for an aiming apparatus. 4,811,061, 3-7-89, Cl. 356-152.000.

Suda, Hirofumi: *See—*

Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hirofumi; Toyama, Masamichi; and Yamada, Kunihiko, 4,871,906, Cl. 250-201.000.

Suda, Hironobu: *See—*

Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.

Suda, Hiroyuki; Shibata, Shuichi; and Nakahara, Motohiro, to Nippon Telegraph & Telephone Corporation. Method, apparatus and burner for fabricating an optical fiber preform. 4,801,322, 1-31-89, Cl. 65-144.000.

Suda, Hiroyuki: *See—*

Nanbu, Masahiro; and Suda, Hiroyuki, 4,848,727, Cl. 251-129.160.

Suda, James R., to Redi-Corp Protective Materials, Inc. Garment for protecting against environmental contamination. 4,831,664, 5-23-89, Cl. 2-2.000.

Suda, James R., to Redi-Corp Protective Materials, Inc. Garment for protecting against environmental contamination. 4,847,914, 7-18-89, Cl. 2-2.000.

Suda, Kakutaro, to Mitsubishi Denki Kabushiki Kaisha. Method of isolating a semiconductor device using local oxidation. 4,840,920, 6-20-89, Cl. 437-69.000.

Suda, Keiko: *See—*

Nomura, Masakatsu; Suda, Keiko; and Ashikaga, Tadashi, 4,862,343, Cl. 363-41.000.

Suda, Kenichi; Hasegawa, Shizuo; and Matsuoka, Nobuo, to Canon Kabushiki Kaisha. Image reading apparatus which adjusts image signals to improve signal balance. 4,862,286, 8-29-89, Cl. 358-494.000.

Suda, Koichi; and Sugi, Fumio, to Aisan Kogyo Kabushiki Kaisha. Carburetor. 4,822,532, 4-18-89, Cl. 261-65.000.

Suda, Koichiro: *See—*

Utoh, Yoshihiro; and Suda, Koichiro, 4,803,724, Cl. 379-433.000.

Suda, Mitsuo: *See—*

Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.

Suda, Seiji: *See—*

Amano, Matsuo; Suda, Seiji; and Satou, Nobuo, 4,852,010, Cl. 364-431.030.

Ikeura, Kenji; Kawamura, Yoshihisa; Nagano, Masami; and Suda, Seiji, 4,825,833, Cl. 123-435.000.

Suda, Shigeyuki; Hattori, Jun; Kitagishi, Nozomu; Nakayama, Hiroki; and Horiuchi, Akihisa, to Canon Kabushiki Kaisha. Lens system having a good image performance for white light. 4,810,070, 3-7-89, Cl. 350-413.000.

Suda, Shigeyuki; and Baba, Takeshi, to Canon Kabushiki Kaisha. Zoom lens with a variable refractive index element. 4,820,028, 4-11-89, Cl. 350-423.000.

Suda, Shigeyuki; and Suzuki, Masayuki, to Canon Kabushiki Kaisha. Aspherical single lens. 4,828,373, 5-9-89, Cl. 350-432.000.

Suda, Shigeyuki, to Canon Kabushiki Kaisha. Imaging lens system comprising a distributed index lens and a plano-convex lens. 4,852,981, 8-1-89, Cl. 350-413.000.

Suda, Shigeyuki, to Canon Kabushiki Kaisha. Variable focus optical device. 4,859,041, 8-22-89, Cl. 350-423.000.

Suda, Shigeyuki, to Canon Kabushiki Kaisha. Zoom lens system having a lens unit with a variable refractive power. 4,871,240, 10-3-89, Cl. 350-427.000.

Suda, Shigeyuki, to Canon Kabushiki Kaisha. Zoom lens with a variable power lens element. 4,874,230, 10-17-89, Cl. 350-423.000.

Suda, Shigeyuki: *See—*

Baba, Takeshi; Suda, Shigeyuki; Nose, Noriyuki; Kawakami, Eigo; Nakajima, Toshiyuki; and Kushibiki, Nobuo, 4,802,746, Cl. 350-418.000.

Kitagishi, Nozomu; Nakayama, Hiroki; Suda, Shigeyuki; Hattori, Jun; and Horiuchi, Akihisa, 4,842,386, Cl. 350-427.000.

Suda, Shinji: *See—*

Hongo, Katsunobu; Suda, Shinji; Kobayashi, Hiroshi; and Shichinohe, Daisuke, 4,814,741, Cl. 340-825.650.

Kobayashi, Hiroshi; Suda, Shinji; and Hongo, Katsunobu, 4,833,467, Cl. 340-825.640.

Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, 4,803,276, Cl. 546-121.000.

Suda, Shoji: *See—*

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,823,834, Cl. 137-596.140.

Ariizumi, Ryozo; Kainuma, Masakuni; Aoki, Toshikazu; Suda, Shoji; Hoshi, Mitsunori; and Ejiri, Takashi, 4,840,347, Cl. 251-63.400.

Ariizumi, Ryozo; Kainuma, Masakuni; Suda, Shoji; Aoki, Toshikazu; Ejiri, Takashi; Kojima, Masao; and Hoshi, Mitsunori, 4,875,500, Cl. 137-596.180.

Suda, Tsutomu: *See—*

Murakami, Hirobumi; Suda, Tsutomu; Machida, Mitunobu; and Umemura, Hide, 4,863,995, Cl. 525-74.000.

Suda, Yasuo; Akashi, Akira; Ishizaki, Akira; Ohmura, Hiroshi; and Ohtaka, Keiji, to Canon Kabushiki Kaisha. Distance detection method and apparatus. 4,825,239, 4-25-89, Cl. 354-402.000.

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Suda, Yasuo; Ohnuki, Ichiro; Akashi, Akira; Ishizaki, Akira; Ohtaka, Keiji; and Koyama, Takeshi, to Canon Kabushiki Kaisha. Multi-directional focus state detection apparatus. 4,859,842, 8-22-89, Cl. 250-201.000.

Suda, Yasuo: *See—*

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,800,410, Cl. 354-408.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,812,869, Cl. 354-408.000.

Akashi, Akira; Ishizaki, Akira; Suda, Yasuo; Ohnuki, Ichiro; Ohtaka, Keiji; and Koyama, Takeshi, 4,833,313, Cl. 250-201.000.

Koyama, Takeshi; Ohtaka, Keiji; and Suda, Yasuo, 4,878,078, Cl. 354-402.000.

Suda, Yoshihisa: *See—*

Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, 4,882,102, Cl. 264-29.300.

Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, Yoshihisa, 4,882,103, Cl. 264-29.500.

Suda, Yoshio: *See—*

Ito, Shoji; Mizoguchi, Kensaku; and Suda, Yoshio, 4,822,848, Cl. 524-549.000.

Masuoka, Toshio; Hirasa, Okihiko; Suda, Yoshio; Onishi, Makoto; and Seita, Yukio, 4,845,132, Cl. 521-53.000.

Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, 4,877,852, Cl. 526-256.000.

Suda, Yoshiyuki, to Kabushiki Kaisha Toshiba. Photosensor suited for image sensor. 4,823,178, 4-18-89, Cl. 357-30.000.

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Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, 4,803,375, Cl. 250-578.000.

Sudani, Kiyoshi; and Sunami, Yoshihiko, to Sumitomo Metal Industries, Ltd. Molding process and device therefor. 4,874,564, 10-17-89, Cl. 264-24.700.

Sudbeck, Rainer: *See—*

Baumgartner, Hans; Sudbeck, Rainer; Henke, Ulrich; and Brandstadter, Manfred, 4,794,904, Cl. 123-564.000.

Sudbrack, Cecil R.; and Strosser, Richard P., to Ford New Holland, Inc. Bale moisture limit monitoring. 4,815,373, 3-28-89, Cl. 100-41.000.

Sudbury, Barry A.: *See—*

Kaufmann, Edward J.; and Sudbury, Barry A., 4,828,744, Cl. 252-90.000.

Smith, William L.; Kaufmann, Edward J.; and Sudbury, Barry A., 4,801,636, Cl. 524-236.000.

Sudbury Systems, Inc.: *See—*

Kolodny, Gerald M.; and Cohen, Howard I., 4,856,069, Cl. 381-52.000.

Suddeutsche Kuhlerfabrik, Julius Fr. Behr GmbH & Co.: *See—*

Kuchelmeister, Reinhold, 4,847,966, Cl. 29-157.00R.

Suddeutsche Zucker-Aktiengesellschaft: *See—*

Schiweck, Hubert; and Vogel, Manfred, 4,816,078, Cl. 127-36.000.

Suddith, Robert L.: *See—*

Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., 4,861,580, Cl. 424-1.100.

Sudduth, Bruce C.: *See—*

Johnson, Lyle A., Jr.; and Sudduth, Bruce C., 4,848,460, Cl. 166-245.000.

Sudduth, Curtis A.: *See—*

Bluege, John H.; and Sudduth, Curtis A., 4,814,232, Cl. 428-450.000.

Sudholter, Ernst J.; Skowronska-Ptasinska, Maria D.; Van der Wal, Peter D.; Van den Berg, Albert; and Reinhoudt, David N., to Stichting Centrum voor Micro-Elektronics Twente. Process for manufacturing a REFET or a CHEMFET, and the manufactured REFET or CHEMFET. 4,882,292, 11-21-89, Cl. 437-42.000.

Sudimak, Michael J.; and Cohn, Robert J., to InterMetro Industries Corp. System for mounting an item to a post. 4,799,818, 1-24-89, Cl. 403-107.000.

Sudinshnikov, Vadim B.; and Zelentsov, Andrei A. Single-blow pneumatic percussive tool. 4,862,972, 9-5-89, Cl. 173-121.000.

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Sudo, Fumihiko: *See—*

Chiba, Yoshio; Aihara, Kenichi; and Sudo, Fumihiko, 4,809,073, Cl. 358-213.130.

Sudo, Hidemi: *See—*

Akasaki, Yutaka; Sato, Katsuhiro; Tanaka, Hiroyuki; Nukada, Katsumi; and Sudo, Hidemi, 4,833,263, Cl. 558-384.000.

Sudo, Kimio: *See—*

Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.

Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Sudo, Masayuki: *See—*

Amano, Yasunobu; and Sudo, Masayuki, 4,857,796, Cl. 313-428.000.

Sudo, Michitaka: *See—*

Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.

Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, to Hitachi Ltd.; and Hitachi Maxell Ltd. Optical disc base plate and process for producing the same. 4,812,346, 3-14-89, Cl. 428-65.000.

Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, to Hitachi, Ltd.; and Hitachi Maxell, Ltd. Optical disc. 4,835,027, 5-30-89, Cl. 428-64.000.

Sudo, Ryoichi: *See—*

Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.

Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.

Sudo, Satomi: *See—*

Hoda, Hisashi; Sudo, Satomi; Amaya, Toshiyuki; Siratori, Kuniaki; and Yamada, Takao, 4,831,610, Cl. 369-48.000.

Sudo, Taiji: *See—*

Shimamura, Norio; and Sudo, Taiji, 4,833,310, Cl. 235-479.000.

Shimamura, Norio; and Sudo, Taiji, 4,835,375, Cl. 235-479.000.

Sudo, Toshio: *See—*

Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.

Sudo, Yoshimi: *See—*

Akiyama, Hiroyuki; Sudo, Yoshimi; Kishida, Masahiko; and Nishida, Mitsuru, 4,806,293, Cl. 264-53.000.

Sudo, Yoshinori, to Mazda Motor Corporation. Injection mold. 4,854,849, 8-8-89, Cl. 425-556.000.

Sudo, Yukio: *See—*

Aihara, Toshinori; and Sudo, Yukio, 4,859,154, Cl. 417-295.000.

Sudoh, Eiichi: *See—*

Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.

Sudoh, Kunio, to Kowa Display Co., Inc. Shredded tobacco leaf pellet and production process thereof. 4,836,225, 6-6-89, Cl. 131-352.000.

Sudol, Marion: *See—*

Buckholz, Lawrence; Byrne, Brian; and Sudol, Marion, 4,882,184, Cl. 426-243.000.

Sudou, Kiyoto: *See—*

Takahashi, Minoru; Sudou, Kiyoto; and Hirayama, Hiromitsu, 4,850,534, Cl. 239-102.200.

Sudrabin, David A.; and Grunau, Klaus, to Fibrestone Inc. Corrosion inhibiting secondary barrier system for underground storage tanks. 4,885,880, 12-12-89, Cl. 52-169.600.

Sudweeks, Walter B.; and Lawrence, Lawrence D., to Ireco Incorporated. Emulsion explosive manufacturing method. 4,867,920, 9-19-89, Cl. 264-3.100.

Sue, Hiroaki: *See—*

Hamasaki, Yoshito; Iwasaki, Akira; and Sue, Hiroaki, 4,838,576, Cl. 280-777.000.

Sue, Horace O.; Guttman, Richard T.; Pendley, David M.; and Keys, William C., to Square D Company. Safety gate limit switch using Hall effect transducer. 4,812,674, 3-14-89, Cl. 307-116.000.

Sue, Jiinjen A.; and Troue, Harden H., to Union Carbide Corporation. Zirconium nitride coated article and method for making same. 4,839,245, 6-13-89, Cl. 428-698.000.

Sueda, Norio; and Hoshino, Hiroyasu, to Elm Industry Co., Ltd. Reinforcing piece pasting apparatus for binding hole. 4,859,275, 8-22-89, Cl. 156-541.000.

Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, to Nisshin Flour Milling Co., Ltd. Benzimidazole derivatives. 4,886,803, 12-12-89, Cl. 514-252.000.

Sueda, Tetsuo: *See—*

Honda, Mitsuru; Sueda, Tetsuo; Murai, Keiichi; and Ogawa, Kyosuke, 4,797,327, Cl. 428-600.000.

Okutomi, Masatoshi; Sueda, Tetsuo; and Tokuhara, Mitsuhiro, 4,833,721, Cl. 382-21.000.

Sueda, Yutaka, to Mazda Motor Corporation. Steplessly variable transmission control for automotive vehicle. 4,875,892, 10-24-89, Cl. 474-17.000.

Sueddeutsche Kuehlerfabrik Julius Fr. Behr GmbH & Co. KG: *See—*

Damsohn, Herbert; Hoeing, Juergen; and Heck, Lieselotte, 4,881,595, Cl. 165-173.000.

Kampf, Hans; and Lochmahr, Karl, 4,852,363, Cl. 62-176.600.

Wallner, Rolf, 4,841,739, Cl. 62-174.000.

Sueddeutsche Kuehlertabrik Julius Fr. Behr GmbH & Co.: *See—*

Digele, Joerg, 4,817,774, Cl. 192-58.00B.

Sueddeutsche Zucker-Aktiengesellschaft: *See—*

Klein, Joachim; Behrens, Wolfgang; and Kunz, Markwart, 4,843,154, Cl. 536-4.100.

Suefuji, Kazutaka; Kaneda, Aizo; Kanai, Yasuyuki; Nakamura, Shozo; Arata, Tetsuya; Kikuchi, Katsuaki; Senshu, Takao; Nakakado, Kimiaki; Maeda, Eiji; and Minakawa, Sadatsohi, to Hitachi, Ltd. Fluid machine with resin-coated scroll members. 4,802,831, 2-7-89, Cl. 418-55.000.
Suefuji, Kazutaka; Arata, Tetsuya; Senshu, Takao; Okamoto, Jyoji; and Murayama, Akira, to Hitachi, Ltd. Anti-rotation mechanism for use with orbiting scroll member of scroll compressor. 4,810,176, 3-7-89, Cl. 418-55.000.
Suefuji, Kazutaka: *See*—
Tojo, Kenji; Kawashima, Kenichi; Suefuji, Kazutaka; and Nakamura, Yozo, 4,861,245, Cl. 418-55.000.
Suegara, Nobuo: *See*—
Kawai, Yasuo; Yazawa, Kazunaga; Suegara, Nobuo; and Shimohashi, Hirotaka, 4,797,278, Cl. 424-93.000.
Suehiro, Masatoshi; Echigo, Masashi; Mitsune, Yutaka; Sakuraba, Masami; Nakatani, Seiichi; and Nishimura, Tsutomu. Copper thick film conductor composition. 4,865,772, 9-12-89, Cl. 252-512.000.
Suehiro, Tsutomu; Uchiyama, Hitoshi; Inukai, Takahito; and Saito, Tsunenari, to Sony Corporation. Cathode ray tube having an improved implosion proof structure. 4,858,016, 8-15-89, Cl. 358-246.000.
Suehiro, Yoshiyuki: *See*—
Naganuma, Masayuki; and Suehiro, Yoshiyuki, 4,825,107, Cl. 307-465.000.
Suekane, Yoji: *See*—
Takeda, Kyoji; and Suekane, Yoji, 4,878,628, Cl. 242-7.080.
Suematsu, Masayuki: *See*—
Mogi, Takao; and Suematsu, Masayuki, 4,805,085, Cl. 364-132.000.
Mogi, Takao; Yuzawa, Keiji; Komiya, Yoshinori; Suematsu, Masayuki; and Tagami, Fujio, 4,843,289, Cl. 318-600.000.
Suzuki, Masakazu; Suematsu, Masayuki; and Komiya, Yoshinori, 4,858,006, Cl. 358-139.000.
Suematsu, Tetsuya: *See*—
Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Doi, Masaharu; and Suematsu, Tetsuya, 4,877,498, Cl. 204-86.000.
Suematu, Yoshiyuki: *See*—
Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.
Suemitsu, Yuji: *See*—
Masuda, Koji; Suemitsu, Yuji; and Asano, Kazuo, 4,875,060, Cl. 346-155.000.
Suemori, Tadao, to Mazda Motor Corporation. Automotive engine construction. 4,838,221, 6-13-89, Cl. 123-195.00H.
Suemune, Ikuo: *See*—
Yamanishi, Masamichi; Suemune, Ikuo; and Kan, Yasuo, 4,845,535, Cl. 357-17.000.
Suemune, Katsuaki: *See*—
Fukui, Toshio; Amano, Hiroyoshi; Origuchi, Takayuki; and Suemune, Katsuaki, 4,826,572, Cl. 162-272.000.
Suemune, Toshiro: *See*—
Ito, Toshikazu; Suemune, Toshiro; and Sato, Katsuhiko, 4,884,162, Cl. 361-23.000.
Suemura, Yosinobu: *See*—
Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
Suenaga, Haruo: *See*—
Matsumoto, Takahiro; Suenaga, Haruo; Maehara, Naoyoshi; Sakamoto, Kazuho; Niwa, Takashi; Bessyo, Daisuke; Kusunoki, Shigeru; and Shitaya, Takao, 4,886,951, Cl. 219-10.55B.
Takano, Teruhisa; Kurita, Hitoshi; Fujii, Yasuteru; Suenaga, Haruo; and Yano, Masashi, 4,888,461, Cl. 219-10.55B.
Suenaga, Hiroshi: *See*—
Hashimoto, Masahide; Kurisu, Yoshitaka; Suenaga, Hiroshi; and Katou, Akio, 4,807,448, Cl. 62-376.000.
Suenaga, Hiroyoshi: *See*—
Ouchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, 4,799,975, Cl. 148-12.70B.
Suenaga, Kazuhiro: *See*—
Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.
Suenaga, Makoto; and Obata, Fumio, to Hitachi Metals, Ltd. Brake member and method of manufacturing same. 4,807,728, 2-28-89, Cl. 188-260.000.
Suenaga, Makoto; Obata, Fumio; Sakai, Jun; and Natsume, Takeshi, to Honda Giken Kogyo Kabushiki Kaisha; and Hitachi Metals, Ltd. Process of producing nodular cast iron. 4,889,688, 12-26-89, Cl. 420-22.000.
Suenaga, Toshihiko: *See*—
Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, Cl. 267-140.100.
Suenaga, Yutaka: *See*—
Matsumoto, Koichi; Suenaga, Yutaka; Uehara, Makoto; and Muramatsu, Kiyoyuki, 4,798,962, Cl. 250-548.000.
Uehara, Makoto; Matsumoto, Koichi; Suenaga, Yutaka; and Muramatsu, Kiyoyuki, 4,795,244, Cl. 356-401.000.
Suenobu, Tadayuki: *See*—
Yaginuma, Kenji; Sawahata, Youichi; and Suenobu, Tadayuki 4,864,716, Cl. 29-596.000.
Sueoka, Akinori: *See*—
Okamoto, Takehiko; Ohmory, Akio; Sueoka, Akinori; Kawata, Ichiro; and Akasu, Hiroyuki, 4,874,522, Cl. 210-645.000.
Sueoka, Kazuomi: *See*—
Kuribayashi, Yoshihiro; and Sueoka, Kazuomi, 4,855,144, Cl. 426-46.000.
Sueoka, Kuniaki, to International Business Machines Corporation. Magnetic head assembly for perpendicular magnetic recording. 4,873,599, 10-10-89, Cl. 360-126.000.
Sues, John M.; and Sun, Jing H., to Intleplex Corp. The Transient signal elimination circuit for telecommunications applications. 4,872,198, 10-3-89, Cl. 379-377.000.
Suesada, Kunio, to Matsushita Electric Industrial Co., Ltd. Sub-nyquist sampling apparatus with improved effects processing. 4,847,701, 7-11-89, Cl. 358-335.000.
Suesada, Kunio; and Koya, Toshiaki, to Matsushita Electric Industrial Co., Ltd. Recording/reproducing apparatus for digital composite video signal with means for synchronizing color subcarrier phase. 4,853,796, 8-1-89, Cl. 358-324.000.
Sueshige, Hirotaka; and Hayashi, Masayuki, to Tokai TRW & Co., Ltd. Apparatus for automatically setting steering center for use in power steering apparatus. 4,856,607, 8-15-89, Cl. 180-142.000.
Suess, Claus: *See*—
Duffey, Donald; Hardee, Sellers; Smith, Wayne; Elliott, James Gardner, Robert; and Suess, Claus, 4,872,500, Cl. 164-34.000.
Sueta, Tadasi: *See*—
Izutsu, Masayuki; Sueta, Tadasi; and Matano, Masaharu, 4,850,[illegible] Cl. 350-96.120.
Suetani, Kazuhisa: *See*—
Nakanishi, Akio; Hino, Toshio; Iino, Yoshio; Suetani, Kazuhisa; Houki, Yoji; and Ikuta, Hirotoshi, 4,878,088, Cl. 355-244.000.
Sueto, Yukihiko: *See*—
Fujisaki, Hideaki; Mizuno, Kouzou; Sueto, Yukihiko; and Tsunemitsu, Katsuhiko, 4,820,841, Cl. 546-152.000.
Suetrak Air Conditioning Sales Corporation: *See*—
Ferdows, Houshang, 4,835,982, Cl. 62-239.000.
Suetrak Transportkaelte GmbH: *See*—
Hipfl, Wolfgang E.; Lamm, Hermut; and Poschl, Gunter, 4,800,7[illegible] Cl. 62-228.300.
Suetsugu, Kenichiro: *See*—
Inoue, Takao; and Suetsugu, Kenichiro, 4,834,545, Cl. 366-138.000.
Suetsugu, Masaru: *See*—
Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, 4,829,187, Cl. 250-474.100.
Suetterlin, Norbert; Blitz, Hans-Dieter; and Trabitzsch, Hans, to Rohm GmbH. Method for making odorless aqueous solutions of water soluble polymers or copolymers. 4,839,417, 6-13-89, Cl. 524-833.000.
Suetterlin, Norbert: *See*—
Kraemer, Dieter; Siol, Werner; Markert, Gerhard; Suetterlin, Norbert; and Feil, Cornelia, 4,829,101, Cl. 523-201.000.
Sueyoshi, Tadahiro: *See*—
Kato, Tetsuo; Sueyoshi, Tadahiro; Tsuji, Masanori; and Ohta, Yukio, 4,867,712, Cl. 439-752.000.
Sueyoshi, Tohru: *See*—
Oda, Shohei; Seshimoto, Osamu; Sueyoshi, Tohru; and Amano, Hiroyuki, 4,877,582, Cl. 422-68.000.
Sueyoshi, Toshinobu: *See*—
Asada, Seiichi; Sueyoshi, Toshinobu; and Miyake, Akira, 4,874,[illegible] Cl. 428-403.000.
Suezaki, Isao: *See*—
Suzumura, Hiroyuki; Okamoto, Yuji; and Suezaki, Isao, 4,875,[illegible] Cl. 411-171.000.
SUFAG Sport- Und Freizeitanlagen Gesellschaft m.b.H.: *See*—
Heufler, Siegfried; and Sesser, Hans, 4,828,175, Cl. 239-14.200.
Suffi, Louis; and Dawson, Robert H., to Reliance Comm/Tec Corporation. Environmentally protected housing for using central office protector modules outdoors. 4,827,502, 5-2-89, Cl. 379-331.000.
Suffi, Louis: *See*—
Unger, John J.; and Suffi, Louis, 4,808,116, Cl. 439-94.000.
Sufi, Arshad H.: *See*—
Joseph, Earl M.; Pritchard, Robert J.; and Sufi, Arshad H., 4,874,043, Cl. 166-272.000.
Suga, Akira; Kinoshita, Takao; Sakai, Shinji; and Tojo, Akihiko, to Canon Kabushiki Kaisha. Image pickup apparatus. 4,821,105, 4-11-89, Cl. 358-213.190.
Suga, Akira; and Okino, Tadashi, to Canon Kabushiki Kaisha. Image pickup apparatus. 4,868,680, 9-19-89, Cl. 358-335.000.
Suga, Akira: *See*—
Hashimoto, Seiji; and Suga, Akira, 4,816,910, Cl. 358-213.270.
Kinoshita, Takao; Tojo, Akihiko; and Suga, Akira, 4,870,495, Cl. 358-213.280.
Yamazaki, Yasuyuki; and Suga, Akira, 4,866,528, Cl. 358-213.220.
Suga, Fusao, to Casio Computer Co., Ltd. Electronic time measuring apparatus including past record display means. 4,831,605, 5-16-89, Cl. 368-113.000.
Suga, Masao, to Kabushiki Kaisha Toshiba. Memory address mapping mechanism. 4,307,119, 2-21-89, Cl. 364-200.000.
Suga, Michihisa: *See*—
Tsuzuki, Mitsuo; and Suga, Michihisa, 4,882,596, Cl. 346-140.00R.
Suga, Mitsuhiro: *See*—
Iwamura, Soichi; Suga, Mitsuhiro; and Itsumi, Tadashi, 4,868,[illegible] Cl. 370-71.000.
Suga, Nagaichi, to Suga Test Instruments Co., Ltd. Artificial snow production apparatus. 4,798,331, 1-17-89, Cl. 239-14.200.
Suga, Nagaichi, to Suga Test Instruments Co., Ltd. Apparatus for measuring the moisture content of snow particles. 4,799,379, 1-24-89, Cl. 73-76.000.

Suga, Nagaichi; Sasho, Yoshio; and Mori, Taro, to Suga Test Instruments Co., Ltd. Apparatus for removing snow deposited on wall of snow generating apparatus. 4,809,514, 3-7-89, Cl. 62-138.000.
Suga, Noriyoshi: *See*—
Andow, Fumio; and Suga, Noriyoshi, 4,825,326, Cl. 361-63.000.
Suga, Ryoichi; Nakagawa, Yutaka; and Watanabe, Yoshimi, to Sony Corporation. Multiple display system. 4,800,376, 1-24-89, Cl. 340-721.000.
Suga, Seiji: *See*—
Akasaka, Akio; Suga, Seiji; and Sawada, Takanori, 4,811,698, Cl. 123-90.170.
Arai, Takayuki; Ofuji, Hiromichi; Goto, Takaharu; Kondo, Takehisa; Hara, Seinosuke; Suga, Seiji; Hamada, Hiroaki; and Matsuya, Tatsuyuki, 4,809,650, Cl. 123-78.00B.
Suga, Shigeru, to Suga Test Instruments Co., Ltd. Apparatus for estimating and displaying remainder of lifetime of xenon lamps. 4,831,564, 5-16-89, Cl. 364-551.010.
Suga, Shigeru: *See*—
Yokoi, Katsuyuki; Suga, Shigeru; and Fujioka, Toshio, 4,866,003, Cl. 437-040.000.
Suga, Shuzo: *See*—
Ikeda, Hideo; and Suga, Shuzo, 4,818,669, Cl. 430-509.000.
Ikeda, Hideo; Suga, Shuzo; and Miyasaka, Nobuaki, 4,853,323, Cl. 430-569.000.
Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, 4,859,576, Cl. 430-523.000.
Miyasaka, Nobuaki; and Suga, Shuzo, 4,873,181, Cl. 430-523.000.
Suga, Tadoru, to Ibaraki Precision Machinery Co., Ltd. Packaging apparatus. 4,841,715, 6-27-89, Cl. 53-547.000.
Suga, Takayuki, to Kabushiki Kaisha Toshiba. Toner image fixing device. 4,806,966, 2-21-89, Cl. 355-3.0SH.
Suga Test Instruments Co., Ltd.: *See*—
Suga, Nagaichi, 4,798,331, Cl. 239-14.200.
Suga, Nagaichi, 4,799,379, Cl. 73-76.000.
Suga, Nagaichi; Sasho, Yoshio; and Mori, Taro, 4,809,514, Cl. 62-138.000.
Suga, Shigeru, 4,831,564, Cl. 364-551.010.
Suga, Toru: *See*—
Inoue, Kazuhiko; and Suga, Toru, 4,868,920, Cl. 357-22.000.
Suga, Toshimasa, to Hitachi, Ltd. Virtual computer diagnostic system with comparative monitoring of timestamped controller check signals and timestamped commands of individual virtual machines. 4,811,276, 3-7-89, Cl. 364-900.000.
Suga, Yoichi: *See*—
Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, 4,853,322, Cl. 430-567.000.
Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, to Mitsubishi Chemical Industries Limited. 3-Methylbutene-1 polymer composition, process for its preparation and container made thereof. 4,824,704, 4-25-89, Cl. 428-36.920.
Suga, Yoshinori; Tanaka, Eiji; Maruyama, Yasuo; and Isobe, Eiji, to Mitsubishi Chemical Industries Limited. Method for producing an olefin polymer. 4,883,848, 11-28-89, Cl. 526-124.000.
Suga, Yuko: *See*—
Eida, Tsuyoshi; Suga, Yuko; and Shirota, Katsuhiro, 4,804,411, Cl. 106-22.000.
Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.
Shirota, Katsuhiro; Eida, Tsuyoshi; and Suga, Yuko, 4,864,324, Cl. 346-1.100.
Sugahara, Hiroto: *See*—
Watanabe, Satoshi; Sugahara, Hiroto; and Izaki, Takesi, 4,872,032, Cl. 354-297.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, to Agency of Industrial Science and Technology. Process for producing single crystal semiconductor layer and semiconductor device produced by said process. 4,822,752, 4-18-89, Cl. 437-174.000.
Sugahara, Kazuyuki; Nishimura, Tadashi; Kusunoki, Shigeru; and Inoue, Yasuo, to Kozo Iizuka, Director General, Agency of Industrial Science and Technology. Method of manufacturing a semiconductor device. 4,870,031, 9-26-89, Cl. 437-82.000.
Sugahara, Kazuyuki: *See*—
Nishimura, Tadashi; Sugahara, Kazuyuki; Kusunoki, Shigeru; and Ohsaki, Akihiko, 4,845,537, Cl. 357-23.400.
Nishimura, Tadashi; Inoue, Yasuo; Sugahara, Kazuyuki; and Kusunoki, Shigeru, 4,861,418, Cl. 156-620.720.
Takakura, Tetsuya; Asano, Kenzi; and Sugahara, Kazuyuki, 4,801,548, Cl. 435-301.000.
Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, to Juridical Foundation The Chemo-Sero-Therapeutic Research Institute. Method for purification of HBc antigen and method for measurement of HBc antibody by using said purified HBc antigen. 4,839,277, 6-13-89, Cl. 435-7.000.
Sugahara, Kenshi: *See*—
Niiyama, Yasusi; and Sugahara, Kenshi, 4,795,707, Cl. 435-288.000.
Oishi, Konosuke; and Sugahara, Kenshi, 4,886,341, Cl. 350-162.220.
Sugahara, Takehisa; Nakagawa, Toyokatu; and Yano, Junichi, to Fujitsu Limited. Method for manufacturing semiconductor device with leads adhered to supporting insulator sheet. 4,859,614, 8-22-89, Cl. 437-8.000.
Sugahara, Youji; and Matsumura, Hideyuki, to Omron Tateisi Electronics Co. Automatic transaction machine. 4,803,347, 2-7-89, Cl. 235-379.000.
Sugai Chemical Ind. Co., Ltd.: *See*—
Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.
Sugai Chemical Industry Co., Ltd.: *See*—
Yamamoto, Yoichi; Fujii, Hironori; and Oichi, Toshio, 4,824,822, Cl. 503-201.000.
Sugai, Hiroshi: *See*—
Ibuki, Masahisa; Sugai, Hiroshi; and Wakui, Masanori, 4,863,754, Cl. 426-643.000.
Kobayashi, Sumio; Tokashiki, Mutsuo; Tomita, Hiroyuki; Okawa, Tadashi; and Sugai, Hiroshi, 4,808,933, Cl. 324-163.000.
Sugai, Kazuyoshi; Sato, Kiyotaka; and Nishizato, Hiroshi, to Clarion Co., Ltd. Surface-acoustic-wave device. 4,879,487, 11-7-89, Cl. 310-313.00A.
Sugai, Osamu: *See*—
Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.
Sugai, Seiichi: *See*—
Tanaka, Toshio; and Sugai, Seiichi, 4,831,314, Cl. 318-484.000.
Sugai, Shinzo; and Mori, Fumio, to Kabushiki Kaisha Toshiba. Ni-Fe base alloy sheet for use as a shadow mask and a shadow mask employing the same. 4,864,188, 9-5-89, Cl. 313-402.000.
Sugai, Shinzo: *See*—
Nikadio, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, 4,835,548, Cl. 346-76.0PH.
Sugai, Takashi: *See*—
Konno, Tsuneo; and Sugai, Takashi, 4,844,023, Cl. 123-90.160.
Sugai, Toshiji: *See*—
Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, 4,877,797, Cl. 514-314.000.
Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, 4,886,803, Cl. 514-252.000.
Sugai, Yoshiro; and Kimura, Hiroyuki, to Pioneer Electronic Corporation. Power source for electronic tuning tuner. 4,800,434, 1-24-89, Cl. 358-190.000.
Sugaiwa, Takayuki; Kinoshita, Akira; and Sawada, Kiyoshi, to Konishiroku Photo Industry Co., Ltd. Photoreceptor for electrophotography having a hydroxystyrene subbing layer. 4,842,971, 6-27-89, Cl. 430-64.000.
Sugaki, Rieko, administrator: *See*—
Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
Sugaki, Shojiro, deceased: *See*—
Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
Sugama, Nobuyoshi: *See*—
Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, 4,802,084, Cl. 364-200.000.
Sugama, Toshifumi, to Associated Universities, Inc. $Ca(OH)_2$-treated ceramic microsphere. 4,822,422, 4-18-89, Cl. 106-97.000.
Sugama, Toshifumi, to Associated Universities, Inc. High temperature lightweight foamed cements. 4,871,395, 10-3-89, Cl. 106-88.000.
Sugama, Toshifumi, to Associated Universities, Inc. Polyacid macromolecule primers. 4,889,718, 12-26-89, Cl. 428-343.000.
Suganami, Takuya; and Kazumoto, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Cryogenic compressor. 4,817,390, 4-4-89, Cl. 62-6.000.
Suganami, Takuya: *See*—
Furuishi, Yoshiro; Suganami, Takuya; and Fujiwara, Michio, 4,811,563, Cl. 60-517.000.
Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,822,390, Cl. 62-6.000.
Kazumoto, Yoshio; Suganami, Takuya; Furuishi, Yoshiro; and Kashiwamura, Kazuo, 4,872,313, Cl. 62-6.000.
Sugano, Haruo: *See*—
Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.
Taniguchi, Tadatsugu; Sugano, Haruo; Nishi, Tatsunari; Vilcek, Jan T.; and Yip, Yum K., 4,835,256, Cl. 530-351.000.
Yoshida, Mitsuaki; Sugano, Haruo; Shimizu, Fumio; and Imagawa, Kenichi, 4,804,746, Cl. 530-387.000.
Sugano, Kazuhiko, to Nissan Motor Co., Ltd. Accumulator/friction element arrangement for automatic transmission. 4,867,014, 9-19-89, Cl. 74-868.000.
Sugano, Kazuhiko: *See*—
Hayasaki, Koichi; and Sugano, Kazuhiko, 4,807,496, Cl. 74-866.000.
Hayasaki, Koichi; and Sugano, Kazuhiko, 4,843,920, Cl. 74-869.000.
Hayasaki, Koichi; and Sugano, Kazuhiko, 4,867,194, Cl. 137-118.000.
Sugano, Mamoru: *See*—
Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoshi; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, 4,814,507, Cl. 564-336.000.
Sugano, Masayo: *See*—
Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.
Sugano, Minoru: *See*—
Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.
Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, to Nihon Radiator Co., Ltd. Safety device. 4,865,249, 9-12-89, Cl. 236-92.00C.

Sugano, Mitugu; Kaneko, Shinichi; Oka, Mitsunori; Nokina, Kimiya, and Koshimizu, Kazuhiro, to Hitachi, Ltd.; and Hitachi Electronics Eng. Co., Ltd. Method for writing servo pattern in magnetic disk unit. 4,797,754, 1-10-89, Cl. 360-48.000.
Sugano, Nobukazu: *See*—
 Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, 4,888,514, Cl. 310-316.000.
Sugano, Shinichi: *See*—
 Yoshida, Junichi; Sugano, Shinichi; and Koike, Masaaki, 4,887,188, Cl. 361-413.000.
Sugano, Shozo: *See*—
 Yamamoto, Masanori; Kamoda, Tamotsu; Nakahara, Makoto; Fujii, Yoshimasa; and Sugano, Shozo, 4,803,088, Cl. 426-107.000.
Sugano, Yasuaki: *See*—
 Urano, Wataru; and Sugano, Yasuaki, 4,880,892, Cl. 528-89.000.
Suganuma, Atsushi, to Fuji Photo Film Co., Ltd. Light beam scanning device generating a stable synchronizing signal. 4,853,535, 8-1-89, Cl. 250-235.000.
Suganuma, Heiroku; Taneichi, Shoshiro; Kobayashi, Hisaaki; and Matsunaga, Tadayo, to Toray Industries, Inc. Heat resisting plastic optical fiber and method for its manufacture. 4,810,055, 3-7-89, Cl. 350-96.340.
Suganuma, Hiroshi: *See*—
 Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.
 Watanabe, Minoru; Yokota, Hiroshi; Suzuki, Shuzo; and Suganuma, Hiroshi, 4,832,720, Cl. 65-3.110.
Suganuma, Masahiro: *See*—
 Kato, Isamu; Yuhda, Sadayuki; Oda, Naoki; and Suganuma, Masahiro, 4,822,567, Cl. 420-95.000.
Suganuma, Nobuo: *See*—
 Uematsu, Michio; and Suganuma, Nobuo, 4,877,602, Cl. 424-49.000.
Suganuma, Noriyuki, and Shimmi, Hideo, to Toray Silicone Company Limited. Method for joining silicone-coated fabrics. 4,889,576, 12-26-89, Cl. 156-249.000.
Suganuma, Tatsuji: *See*—
 Yasui, Yasuyoshi; and Suganuma, Tatsuji, 4,821,602, Cl. 74-713.000.
Suganuma, Tsuneo: *See*—
 Matsumura, Hiroyoshi; Katsuyama, Toshio; and Suganuma, Tsuneo, 4,828,592, Cl. 65-3.110.
Suganuma, Yuichiro: *See*—
 Kaiwa, Ryoichi; Kudo, Michiyoshi; Kobayashi, Keiki; Suganuma, Yuichiro; and Adachi, Naotomo, 4,881,258, Cl. 379-58.000.
Sugao, Keizo, to Usui Kokusai Sangyo Kabushiki Kaisha. Connection structure for branch pipe in high-pressure fuel manifold. 4,832,376, 5-23-89, Cl. 285-158.000.
Sugarbaker, Daniel L.: *See*—
 Gubbins, Harry L.; Page, Jerry L.; and Sugarbaker, Daniel L., 4,828,[illegible]89, Cl. 356-350.000.
Sugarman, April. Necktie with soil prevention means. 4,843,644, 7-4-89, Cl. 2-46.000.
Sugarman, Edward D.; D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., to Walgen Corporation. Warning system for excessive orthopedic pressures. 4,858,620, 8-22-89, Cl. 128-774.000.
Sugasawa, Masatoshi; and Okuma, Shigeki, to Koito Manufacturing Co., Ltd. Lens cleaner device for automobile headlamp. 4,817,648, 4-4-89, Cl. 134-57.00R.
Sugasawa, Tsutomu; and Sasakura, Kazuyuki, to Shionogi & Co., Ltd. Ortho-mono-substituted amino)phenylimines. 4,831,132, 5-16-89, Cl. 540-476.000.
Sugasawa, Tsutomu: *See*—
 Makoto, Adachi; Matsumura, Hiromu; and Sugasawa, Tsutomu, 4,857,645, Cl. 544-349.000.
Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Osabe, Kuniji, to Canon Kabushiki Kaisha. Method for producing composite materials. 4,798,694, 1-17-89, Cl. 264-60.000.
Sugata, Hiroyuki: *See*—
 Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
 Miura, Kyo; Sugata, Hiroyuki; Oguchi, Yoshihiro; and Yoshino, Hitoshi, 4,871,601, Cl. 428-64.000.
 Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.
Sugata, Masaki: *See*—
 Sato, Yasuyuki; Sugata, Masaki; and Murai, Hiroyuki, 4,853,582, Cl. 313-141.000.
Sugata, Masao; Masaki, Tatsuo, deceased (by Masaki, Yoshiko, legal representative); Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, to Canon Kabushiki Kaisha. Thermal recording head. 4,804,974, 2-14-89, Cl. 346-76.0PH.
Sugata, Masao; Masaki, Tatsuo, deceased (by Masaki, Yoshiko, legal representative); Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, to Canon Kabushiki Kaisha. Thermal recording head. 4,845,513, 7-4-89, Cl. 346-76.0PH.
Sugata, Masao; Masaki, Tatsuo, deceased (by Masaki, Yoshiko, legal representative); Hirasawa, Shinichi; Komuro, Hirokazu; and Yano, Yasuhiro, to Canon Kabushiki Kaisha. Liquid jet recording head and recording system incorporating the same. 4,847,639, 7-11-89, Cl. 346-140.00R.
Sugata, Masao; Masaki, Tatsuo, deceased (by Masaki, Yoshiko, legal representative); Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, to Canon Kabushiki Kaisha. Heat-generating resistor and heat-generating resistance device by use of said heat-generating resistor. 4,851,808, 7-25-89, Cl. 338-308.000.
Sugata, Masao; Masaki, Tatsuo, deceased (by Masaki, Yoshiko, legal representative); Komuro, Hirokazu; Hirasawa, Shinichi; and Yano, Yasuhiro, to Canon Kabushiki Kaisha. Heat-generating resistor and heat-generating resistance element using same. 4,870,388, 9-26-89, Cl. 338-308.000.
Sugata, Masao: *See*—
 Chiba, Yuji; Ando, Kenji; Sugata, Masao; Sugata, Hiroyuki; Kimura, Toshiaki; and Osabe, Kuniji, 4,875,810, Cl. 406-14.000.
 Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.
 Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, 4,833,507, Cl. 357-4.000.
 Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.
Sugata, Teruaki: *See*—
 Kubota, Tetsumaru; Nakamura, Takeaki; Okabe, Minoru; Karasawa, Hitoshi; Kusunoki, Hiroyuki; Hagino, Tadao; Ogawa, Mototsugu; Toda, Masato; Sugata, Teruaki; and Nishigaki, Shinichi, 4,867,138, Cl. 128-6.000.
Sugata, Yoshinobu: *See*—
 Kuroda, Masami; Hattori, Yoshimasa; Furusho, Noboru; and Sugata, Yoshinobu, 4,877,703, Cl. 430-76.000.
Sugathan, Kenneth: *See*—
 Lee, Andrew J.; Sanduja, Mohan L.; Sugathan, Kenneth; Dragan, Felicia; and Horowitz, Carl, 4,875,410, Cl. 101-170.000.
Sugavanam, Balasubramanyan, to Imperial Chemical Industries PLC. Triazole and imidazole compounds. 4,845,250, 7-4-89, Cl. 549-512.000.
Sugawa, Etsuko: *See*—
 Haruta, Masahiro; Kuwae, Yoko; Munakata, Hirohide; Yuasa, Satoshi; and Sugawa, Etsuko, 4,873,178, Cl. 430-327.000.
Sugawa, Hiroya: *See*—
 Kishi, Masamichi; and Sugawa, Hiroya, 4,807,041, Cl. 358-256.000.
Sugawa, Masaru: *See*—
 Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, 4,869,958, Cl. 428-364.000.
Sugawa, Naoki, and Iida, Tetsuya, to Kabushiki Kaisha Toshiba. Digital-to-analog converter. 4,827,260, 5-2-89, Cl. 341-118.000.
Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; and Ishizaki, Akira, to Canon Kabushiki Kaisha. Photoelectric converting apparatus with a switching circuit and a resetting circuit for reading and resetting a plurality of lines sensors. 4,835,404, 5-30-89, Cl. 250-578.000.
Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; Ohzu, Tadahiro; and Harada, Tadanori, to Canon Kabushiki Kaisha. Device and method of photoelectrically converting light into electrical signal. 4,847,668, 7-11-89, Cl. 357-30.000.
Sugawa, Shigetoshi; Nakamura, Yoshio; Tanaka, Nobuyoshi; and Ueno, Isamu, to Canon Kabushiki Kaisha. Photoelectric converting apparatus having carrier eliminating means. 4,879,470, 11-7-89, Cl. 250-578.000.
Sugawa, Shigetoshi: *See*—
 Ishizaki, Akira; Nakamura, Yoshio; and Sugawa, Shigetoshi, 4,870,266, Cl. 250-214.0AG.
 Matsumoto, Shigeyuki; and Sugawa, Shigetoshi, 4,814,846, Cl. 357-30.000.
 Nakamura, Yoshio; and Sugawa, Shigetoshi, 4,866,293, Cl. 250-578.000.
 Tanaka, Nobuyoshi; Nakamura, Yoshio; Sugawa, Shigetoshi; and Ohzu, Hayao, 4,810,896, Cl. 250-578.000.
 Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, 4,831,454, Cl. 358-213.310.
Sugawara, Akira; and Kanahara, Naoyuki, to Dowa Mining Co., Ltd. and Yazaki Corporation. Copper alloy for use as wiring harness terminal material and process for producing the same. 4,871,398, 10-3-89, Cl. 148-11.50C.
Sugawara, Akira: *See*—
 Fukuda, Takeshi; Yamazaki, Shunpei; and Sugawara, Akira, 4,877,481, Cl. 156-643.000.
Sugawara, Eishu; Nakayama, Taketoshi; and Masumoto, Tsuyoshi, to Research Development Corporation; and Tokin Corporation. Anisotropic rare earth magnet material. 4,836,867, 6-6-89, Cl. 148-301.000.
Sugawara, Hideo, to Fujitsu Limited. Directional coupler. 4,799,032, 1-17-89, Cl. 333-116.000.
Sugawara, Hideto: *See*—
 Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.
 Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, 4,835,117, Cl. 437-129.000.
Sugawara, Hiroyuki: *See*—
 Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, 4,818,892, Cl. 307-106.000.
Sugawara, Isutomu: *See*—
 Chua, Leon O.; and Sugawara, Isutomu, 4,819,200, Cl. 364-841.000.
Sugawara, Jun: *See*—
 Okada, Yoshikazu; Sugawara, Jun; and Takizawa, Sumiyoshi, 4,812,370, Cl. 428-552.000.

Sugawara, Katuo: *See*—
 Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.
Sugawara, Kazuhide: *See*—
 Kuroda, Akihiro; Nishimura, Masafumi; and Sugawara, Kazuhide, 4,829,577, Cl. 381-45.000.
Sugawara, Kazuo: *See*—
 Sakai, Kenji; and Sugawara, Kazuo, 4,815,007, Cl. 364-513.000.
Sugawara, Kenichi: *See*—
 Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.
Sugawara, Kishio: *See*—
 Hirota, Shinichiro; Sugawara, Kishio; and Fujimoto, Tadayuki, 4,836,838, Cl. 65-308.000.
 Hirota, Shinichiro; and Sugawara, Kishio, 4,836,840, Cl. 65-323.000.
Sugawara, Koko: *See*—
 Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,833,079, Cl. 435-148.000.
 Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,883,758, Cl. 435-253.500.
Sugawara, Masayoshi: *See*—
 Shiga, Masakatsu; and Sugawara, Masayoshi, 4,846,014, Cl. 74-395.000.
Sugawara, Masatoshi; and Inamasa, Nami, to NEC Corporation. Digital-to-analog converter circuit. 4,885,581, 12-5-89, Cl. 341-145.000.
Sugawara, Mitsutoshi: *See*—
 Sugiyama, Takahiro; and Sugawara, Mitsutoshi, 4,841,177, Cl. 307-494.000.
Sugawara, Naoto, to Minnesota Mining and Manufacturing Company. Flat cable branching and connecting process. 4,817,281, 4-4-89, Cl. 29-857.000.
Sugawara, Naoto, to Minnesota Mining and Manufacturing Company. Electrical connector. 4,850,887, 7-25-89, Cl. 439-108.000.
Sugawara, Norio, to Matsushita Electric Industrial Co., Ltd. Flow deflecting device. 4,824,023, 4-25-89, Cl. 239-509.000.
Sugawara, Ryosuke: *See*—
 Kita, Yasuo; and Sugawara, Ryosuke, 4,813,306, Cl. 74-687.000.
Sugawara, Saburo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Apparatus for adjusting focus in the macro-photographing mode of an automatic focus camera. 4,833,497, 5-23-89, Cl. 354-403.000.
Sugawara, Saburo: *See*—
 Tejima, Yasuyuki; Sugawara, Saburo; and Yuda, Hideaki, 4,870,442, Cl. 354-403.000.
Sugawara, Sakuo: *See*—
 Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
 Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, Cl. 239-94.000.
Sugawara, Satoshi: *See*—
 Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.
Sugawara, Tadami: *See*—
 Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.
 Ohkita, Masao; Kobayashi, Kazuo; Gunji, Kunihiko; Sugawara, Tadami; Shigenai, Osamu; and Fuke, Takamichi, 4,796,118, Cl. 360-105.000.
Sugawara, Toshiaki: *See*—
 Nakamura, Seiichi; Saito, Mamoru; and Sugawara, Toshiaki, 4,871,498, Cl. 264-115.000.
Sugawara, Toshio: *See*—
 Takeshita, Michitaka; Mukai, Uchu; and Sugawara, Toshio, 4,820,751, Cl. 523-215.000.
Sugawara, Tsugutaka: *See*—
 Tano, Osamu; and Sugawara, Tsugutaka, 4,828,417, Cl. 400-616.000.
Sugawara, Yasuyuki: *See*—
 Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga; and Saito, Nobuyasu, 4,812,014, Cl. 350-96.290.
 Shimoto, Naoki; Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.
Sugawara, Yoshitaka: *See*—
 Kawahata, Sigeyuki; and Sugawara, Yoshitaka, 4,837,458, Cl. 307-279.000.
Sugawara, Yukio: *See*—
 Fukuchi, Hiroyuke; Nishiyama, Masatoshi; and Sugawara, Yukio, 4,831,250, Cl. 250-223.00B.
Sugaya, Fumio, to Fuji Photo Film Co., Ltd. Liquid depositing device. 4,800,762, 1-31-89, Cl. 73-864.240.
Sugaya, Fumio, to Fuji Photo Film Co., Ltd. Incubator for chemical-analytical slide. 4,814,279, 3-21-89, Cl. 435-289.000.
Sugaya, Fumio, to Fuji Photo Film Co., Ltd. Chemical assay system. 4,857,272, 8-15-89, Cl. 422-65.000.
Sugaya, Kiyoshi: *See*—
 Konno, Kazuhiko; Araki, Kouichi; Sasaki, Norio; Endo, Keiji; Hikido, Mitsuru; and Sugaya, Kiyoshi, 4,816,064, Cl. 71-93.000.
Sugaya, Mamoru: *See*—
 Senoo, Hideaki; Yamasaki, Takeshi; Satoh, Yasuo; and Sugaya, Mamoru, 4,877,688, Cl. 428-522.000.
Sugaya, Masami: *See*—
 Kouno, Katsumi; Okawa, Susumu; Sugaya, Masami; and Soga, Yoshinobu, 4,857,034, Cl. 474-28.000.
 Soga, Yoshinobu; Kouno, Katsumi; Sugaya, Masami; and Okawa, Susumu, 4,867,732, Cl. 474-28.000.
Sugaya, Toshihiro; Sakai, Yuji; and Yamada, Takehito, to Kabushiki Kaisha Toshiba. Magnetic disk apparatus having magnetic head with pre-erase gap. 4,851,933, 7-25-89, Cl. 360-61.000.
Sugaya, Toyomi: *See*—
 Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, 4,841,212, Cl. 318-607.000.
Sugaya, Yosimi: *See*—
 Kanamaru, Hisanobu; and Sugaya, Yosimi, 4,829,950, Cl. 123-90.510.
Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tatsuo; and Tomita, Sigeo, to Hitachi, Ltd. and Hitachi Semi-Conductor Ltd. Semiconductor switching circuit. 4,833,587, 5-23-89, Cl. 363-96.000.
Sugazaki, Kazuo: *See*—
 Iwamoto, Mune; Ito, Norifumi; Sugazaki, Kazuo; Matsubara, Tetsuyuki; and Ando, Toshihiko, 4,808,661, Cl. 525-73.000.
Sugden, Keith, to Reckitt & Colman Products Limited. Buccal tablet comprising etorphine or a salt thereof. 4,829,056, 5-9-89, Cl. 514-54.000.
Sugeno, Hiroto: *See*—
 Shirasawa, Honai; Sugeno, Hiroto; Eto, Shigeo; and Saito, Hiroshi, 4,859,342, Cl. 210-656.000.
Sugerman, Gerald; and Monte, Salvatore J., to Kenrich Petrochemicals. Bonding of halogenated organic compounds. 4,816,522, 3-28-89, Cl. 525-340.000.
Sugeta, Hideki, to Ryobi Ltd. Fishline winding direction changeover mechanism for a fishing reel with a spool shaft supported at one end. 4,832,278, 5-23-89, Cl. 242-84.50R.
Sugeta, Tsutomu: *See*—
 Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu; Sugeta, Tsutomu; and Nakazawa, Noriaki, 4,857,329, Cl. 424-195.100.
Sugg, Elizabeth: *See*—
 Hruby, Victor J.; Hadley, Mac E.; Dorr, Robert; Levine, Norman; Sugg, Elizabeth; and Cody, Wayne L., 4,866,038, Cl. 514-14.000.
Sugg, Winfred L. Hand held battery powered bone awl. 4,867,158, 9-19-89, Cl. 128-305.100.
Suggitt, Robert M., to Texaco Inc. Production of demercurized synthesis gas, reducing gas, or fuel gas. 4,863,489, 9-5-89, Cl. 48-197.00R.
Sugi, Fumio: *See*—
 Suda, Koichi; and Sugi, Fumio, 4,822,532, Cl. 261-65.000.
Sugi, Hideo: *See*—
 Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,845,093, Cl. 514-247.000.
 Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,863,924, Cl. 514-247.000.
 Joukou, Isao; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,880,774, Cl. 512-2.000.
 Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.
 Toda, Fumio; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,818,771, Cl. 514-616.000.
Sugi, Masahiro: *See*—
 Kioka, Mamoru; Sugi, Masahiro; Toyota, Akinori; and Kashiwa, Norio, 4,822,840, Cl. 525-240.000.
Sugi, Nagatoshi: *See*—
 Aonuma, Mitsuyoshi; and Sugi, Nagatoshi, 4,885,341, Cl. 525-187.000.
Sugi, Nobuo: *See*—
 Shigehara, Hiroshi; Shiraishi, Mikio; Watanabe, Yasuhiro; and Sugi, Nobuo, 4,813,008, Cl. 364-760.000.
Sugibayashi, Kenji: *See*—
 Sato, Kiyoshi; Morimoto, Yasunori; Sugibayashi, Kenji; and Ueno, Masao, 4,832,954, Cl. 424-449.000.
Sugibuchi, Kazuo: *See*—
 Minagawa, Motonobu; Nakahara, Yutaka; Hirai, Bunji; and Sugibuchi, Kazuo, 4,798,836, Cl. 524-89.000.
Sugie, Kazuo; Sainen, Yoshimasa; Kimura, Yuji; and Nishiyama, Tadashi, to Tokyo Electron Limited. Pattern recognition method. 4,866,782, 9-12-89, Cl. 382-22.000.
Sugie, Kiyoshi, to Agency of Industrial Science and Technology. Schiff base metal complex compounds, and organometallic ultrathin film composed thereof and oxygen separation films composed thereof. 4,861,904, 8-29-89, Cl. 556-32.000.
Sugie, Kiyoshi: *See*—
 Shimogori, Kazutoshi; Fujiwara, Kazuo; Sugie, Kiyoshi; Morita, Kikuo; Nakayama, Takenori; Miyakawa, Mutsuhiro; and Torii, Yasushi, 4,820,486, Cl. 420-108.000.
Sugie, Nizo: *See*—
 Homan, Morio; Sugie, Nizo; Yoshimura, Masakiyo; and Shirakawa, Yoshikazu, 4,880,702, Cl. 428-354.000.
Sugihara, Edna: *See*—
 Cheng, Yu-Ling; Gale, Robert M.; Sugihara, Edna; and Sanders, Harold F., 4,865,848, Cl. 424-449.000.
Sugihara, Eiichi; Amemiya, Hideo; and Hayafune, Koji, to Mitsui Toatsu Chemicals, Inc. Filter for CRT screen. 4,839,736, 6-13-89, Cl. 358-253.000.

Sugihara, Hideki; Hiratani, Kazuhisa; and Okada, Tatsuhiro, to Director General of Agency of Industrial Science and Technology. Electrode membrane. 4,861,455, 8-29-89, Cl. 204-418.000.

Sugihara, Hideo; Takisita, Mitsukazu; and Hirose, Daijo, to Sugihara Rinki Co., Ltd. Oil supply structure of chain saw. 4,819,332, 4-11-89, Cl. 30-123.400.

Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, to Takeda Chemical Industries, Ltd. Piperidine derivatives. 4,816,466, 3-28-89, Cl. 314-319.000.

Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, to Takeda Chemical Industries, Ltd. Piperidine derivatives. 4,871,842, 10-3-89, Cl. 540-523.000.

Sugihara, Hirosada; Itoh, Katsumi; and Nishikawa, Kohei, to Takeda Chemical Industries, Ltd. 1,4-disubstituted piperazines (or homopiperazines) as platelet-activating factor antagonists. 4,880,809, 11-14-89, Cl. 514-255.000.

Sugihara, Junpei: *See—*
- Nakamura, Akito; and Sugihara, Junpei, 4,830,893, Cl. 428-35.800.

Sugihara, Katsutoshi. Speaker enclosures. 4,889,208, 12-26-89, Cl. 181-148.000.

Sugihara, Koichi: *See—*
- Kawakami, Hiroshi; Shiratori, Harunori; Sugihara, Koichi; Watanabe, Atsushi; and Kishida, Fumio, 4,858,713, Cl. 180-143.000.
- Yamashita, Masashi; Sugihara, Koichi; and Kawakami, Hiroshi, 4,860,842, Cl. 180-140.000.

Sugihara, Masahiro: *See—*
- Kimura, Tadashi; Inaba, Tsutomu; Sugihara, Masahiro; and Kobayashi, Norihide, 4,824,344, Cl. 418-55.000.
- Kobayashi, Norihide; Inaba, Tsutomu; Kimura, Tadashi; and Sugihara, Masahiro, 4,874,302, Cl. 418-55.000.
- Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; Inaba, Tsutomu; Nakamura, Toshiyuki; and Kimura, Tadashi, 4,840,549, Cl. 418-55.000.
- Morishita, Etsuo; Kakuda, Masayuki; Sugihara, Masahiro; and Inaba, Tsutomu, 4,846,639, Cl. 418-55.000.
- Suzuki, Yasuyuki; Matsugi, Tetsuzo; Nakamura, Toshiyuki; and Sugihara, Masahiro, 4,846,633, Cl. 417-310.000.

Sugihara, Masuo: *See—*
- Ohnishi, Souichi; Toda, Tadahiro; Komai, Kensaku; and Sugihara, Masuo, 4,807,186, Cl. 364-900.000.
- Toda, Tadahiro; Ohnishi, Souichi; Komai, Kensaku; and Sugihara, Masuo, 4,851,994, Cl. 364-200.000.

Sugihara, Mitsuru; and Suyefuji, Mineo, to Fuji Photo Film Co., Ltd. Method of making an electrophoresis medium. 4,834,854, 5-30-89, Cl. 204-182.800.

Sugihara, Mitsuru; and Ogawa, Masashi, to Fuji Photo Film Co., Ltd. Means for electrophoresis. 4,844,786, 7-4-89, Cl. 204-299.00R.

Sugihara Rinki Co., Ltd.: *See—*
- Sugihara, Hideo; Takisita, Mitsukazu; and Hirose, Daijo, 4,819,332, Cl. 30-123.400.

Sugihara, Shinichi: *See—*
- Yatsuhashi, Motoharu; Mochizuki, Masataka; and Sugihara, Shinichi, 4,842,053, Cl. 165-104.140.

Sugihara, Taizo: *See—*
- Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,818,587, Cl. 428-198.000.
- Ejima, Shozo; Sugihara, Taizo; and Abe, Morio, 4,840,846, Cl. 428-373.000.
- Taniguchi, Masahiko; Goi, Shigeru; and Sugihara, Taizo, 4,814,032, Cl. 156-167.000.

Sugihara, Takanori: *See—*
- Kato, Takahiro; Hirochi, Katsuji; and Sugihara, Takanori, 4,806,787, Cl. 307-290.000.

Sugihara, Takashi; and Hijikigawa, Masaya, to Sharp Kabushiki Kaisha. Moisture sensitive material. 4,889,561, 12-26-89, Cl. 106-196.000

Sugihara, Yoshichika; and Suzuki, Yasunori. Frame. 4,862,612, 9-5-89, Cl. 40-155.000.

Sugii, Yasuoshi: *See—*
- Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.

Sugii, Yasuyoshi: *See—*
- Ohkoshi, Akio; Nakagawa, Hideaki; Tsuruta, Koji; Sugii, Yasuyoshi; and Wada, Haruaki, 4,857,800, Cl. 313-495.000.

Sugiki, Hiraku; Ino, Hiroyuki; and Fukami, Tadashi, to Sony Corporation. Apparatus for reproducing a digital signal. 4,885,647, 12-5-89, Cl. 360-73.120.

Sugimori, Fumio, to Kabushiki Kaisha Toshiba. X-ray image intensifier having a support ring that prevents implosion. 4,870,473, 9-26-89, Cl. 250-213.0VT.

Sugimori, Giichi: *See—*
- Konishi, Takao; Sugimori, Giichi; Kato, Kazuyoshi; Kimura, Nobutake; and Shibata, Kenji, 4,837,018, Cl. 424-92.000.

Sugimori, Hideo, to Sugimori, Hideo; and Merbabu Corporation. Salimeter. 4,823,087, 4-18-89, Cl. 324-441.000.

Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, to Topy Industries, Ltd.; and Japan Tobacco, Inc. Carbon monoxide oxidizing catalyst. 4,845,065, 7-4-89, Cl. 502-74.000.

Sugimori, Seiji: *See—*
- Matsuoka, Toshio; Sugimori, Seiji; Koyabu, Yukio; and Kurozu, Shinichi, 4,824,479, Cl. 75-0.50R.

Sugimori, Shigeru, to Chisso Corporation. Process for producing a liquid crystalline polyester polymer of a cyclohexanedicarboxylic acid and an aromatic diol with pyridine/thionyl chloride catalyst. 4,814,417, 3-21-89, Cl. 528-182.000.

Sugimori, Shigeru; Goto, Yasuyuki; and Ogawa, Tetsuya, to Chisso Corporation. Dihalogeno-aromatic compound. 4,816,179, 3-28-89, Cl. 252-299.630.

Sugimori, Shigeru: *See—*
- Goto, Yasuyuki; Sugimori, Shigeru; and Ogawa, Tetsuya, 4,797,228, Cl. 252-299.630.
- Goto, Yasuyuki; Ogawa, Tetsuya; and Sugimori, Shigeru, 4,855,076, Cl. 252-299.630.

Sugimori, Shuichi; Kawamura, Tomihiko; Matsuda, Tadashi; Nakano, Shintaro, deceased (by Nakano, Shizuyo, heir, Hideki Nakano, Masahiro Nakano, Yoshiyuki Nakano, heirs); Saiki, Sumito; and Habara, Hideaki, to Mitsubishi Rayon Co., Ltd. Process of using a porous water-treating material. 4,801,386, 1-31-89, Cl. 210-680.000.

Sugimori, Shuighi; and Kawamura, Tomihiko, to Mitsubishi Rayon Company Ltd. Porous water-treating material. 4,802,985, 2-7-89, Cl. 210-502.100.

Sugimori, Teruhiko; Furutani, Yoshifumi; Shiraishi, Yoshinobu; and Yasunaga, Toshiyuki, to Mitsubishi Rayon Co., Ltd. Acrylonitrile spinning solution and process for producing fibers therewith. 4,831,069, 5-16-89, Cl. 524-232.000.

Sugimori, Teruhiko; Suzuki, Fumio; Habara, Hideaki; and Inada, Hiromasa, to Mitsubishi Rayon Co., Ltd. Particulate polymer and preparation process thereof. 4,874,841, 10-17-89, Cl. 528-491.000.

Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, to Mitsubishi Rayon Co., Ltd. Method for producing rubber modified thermoplastic resins. 4,880,877, 11-14-89, Cl. 525-84.000.

Sugimori, Yoshikazu: *See—*
- Nishimura, Yasunobu; Kawai, Toshikazu; and Sugimori, Yoshikazu, 4,808,746, Cl. 558-314.000.

Sugimori, Yoshio; Araki, Yousai; Kurosaki, Tadao; and Urano, Joji, to Nippon Television Network Corporation. Amplitude characteristics of TV vertical frequency signal. 4,882,628, 11-21-89, Cl. 358-167.000.

Sugimoto, Akira: *See—*
- Sugimoto, Harue; and Sugimoto, Akira, 4,795,894, Cl. 235-468.000.

Sugimoto, Chiaki: *See—*
- Nukushina, Harunobu; and Sugimoto, Chiaki, 4,857,918, Cl. 340-870.010.

Sugimoto, Eisuke; Tanizawa, Yoshiyasu; and Kozuka, Zensaku, to NGK Spark Plug Co., Ltd. Gas sensor for sulfur dioxide. 4,855,034, 8-8-89, Cl. 204-427.000.

Sugimoto, Gunji; and Hongo, Takero, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Running command system for unmanned vehicle. 4,860,209, 8-22-89, Cl. 364-424.020.

Sugimoto, Gunji: *See—*
- Ninomiya, Yoshiki; Sugimoto, Gunji; Hongo, Takero; Watanabe, Keiichi; and Arakawa, Hideo, 4,809,178, Cl. 364-443.000.

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, to Eisai Co., Ltd. Piperidine derivative and pharmaceutical composition. 4,849,431, 7-18-89, Cl. 514-331.000.

Sugimoto, Harue; and Sugimoto, Akira, to Sugimoto, Harue. Visiting card marked with discriminating symbols and a method of and an apparatus for reading what is printed on said visiting card. 4,795,894, 1-3-89, Cl. 235-468.000.

Sugimoto, Haruhide: *See—*
- Asai, Susumu; Sugimoto, Haruhide; Fujisaki, Masaru; Shigetomi, Tadatoshi; and Kobayashi, Hisatoshi, 4,887,687, Cl. 180-219.000.

Sugimoto, Hidehiko; and Tamai, Shinzo, to Mitsubishi Denki Kabushiki Kaisha. Induction motor controller. 4,885,520, 12-5-89, Cl. 318-808.000.

Sugimoto, Hideo: *See—*
- Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.

Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, to Sumitomo Chemical Company, Limited; and Japan Exlan Co., Ltd. Process for producing aromatic polyester fiber. 4,865,790, 9-12-89, Cl. 264-131.000.

Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, to Sumitomo Chemical Company, Limited; and Japan Exlan Company, Ltd. Process for melt spinning aromatic polyester. 4,871,501, 10-3-89, Cl. 264-211.220.

Sugimoto, Hiromasa: *See—*
- Okuda, Yasuji; Maruyama, Shizuo; and Sugimoto, Hiromasa, 4,829,108, Cl. 524-37.000.

Sugimoto, Hiroyuki: *See—*
- Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shimpei, 4,879,192, Cl. 429-198.000.

Sugimoto, Hisashi; and Watanabe, Goro, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Method and apparatus for generating an ultra low current plasma arc. 4,851,636, 7-25-89, Cl. 219-121.590.

Sugimoto, Isao; and Kasai, Tomoaki, to Yoshida Kogyo K. K.; and Nissen Corporation. Perforated beam apparatus. 4,854,137, 8-8-89, Cl. 68-15.000.

Sugimoto, Kazuo; and Gonda, Hideyuki, to Sanden Corporation. Drive system for the orbiting scroll of a scroll type fluid compressor. 4,808,094, 2-28-89, Cl. 418-1.000.

Sugimoto, Kazuyoshi: *See—*
- Satow, Aritomo; Masuda, Shinichi; Sugimoto, Kazuyoshi; and Muta, Yuji, 4,886,434, Cl. 418-55.00D.

Sugimoto, Keiji; Hayashi, Takeo; and Fujimoto, Masahiro, to Idemitsu Petrochemical Co., Ltd. Multi-layer film and package. 4,856,656, 8-15-89, Cl. 206-523.000.

Sugimoto, Keisuke: *See—*
- Takahama, Teizo; Masuda, Masahiko; Sugimoto, Keisuke; and Sugiyama, Yuji, 4,839,019, Cl. 204-425.000.

Sugimoto, Kenichi: *See—*
- Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, 4,873,087, Cl. 424-433.000.
- Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,803,258, Cl. 528-211.000.

Sugimoto, Kenji; Takeuchi, Youji; and Yamashita, Shuichiro, to Citizen Watch Co., Ltd. Numerical control machine. 4,831,906, 5-23-89, Cl. 82-118.000.

Sugimoto, Kenji, to Dainippon Screen Mfg. Co., Ltd. Apparatus for treating the surfaces of wafers. 4,870,923, 10-3-89, Cl. 118-715.000.

Sugimoto, Kenji: *See—*
- Matsuyama, Haruhiko; Shoji, Fusaji; Kuwatsuka, Shunichiro; and Sugimoto, Kenji, 4,824,731, Cl. 428-473.500.
- Togawa, Eisei; Suzuki, Saburo; Sugimoto, Kenji; and Kuwatsuka, Shunichiro, 4,841,624, Cl. 29-603.000.

Sugimoto, Koichi; Hirabayashi, Hisaaki; and Masui, Tomoyuki, to Hitachi, Ltd. Probing control method and apparatus for mechanism with multiple degrees of freedom. 4,884,015, 11-28-89, Cl. 318-640.000.

Sugimoto, Koichi: *See—*
- Hasegawa, Hiroshi; Sugimoto, Koichi; Yano, Takeshi; Netsu, Tositada; Tani, Mitsukiyo; and Kojima, Tosaku, 4,875,618, Cl. 228-179.000.

Sugimoto, Koyata: *See—*
- Hasegawa, Hiroaki; Miyata, Yasuji; Sugimoto, Koyata; and Nakamura, Akira, 4,811,606, Cl. 73-861.380.
- Inada, Yutaka; and Sugimoto, Koyata, 4,841,780, Cl. 73-861.060.

Sugimoto, Mamoru; Kohno, Osamu; Ikeno, Yoshimitsu; Sadakata, Nobuyuki; Aoki, Shin'ya; and Nakagawa, Mikio, to Fujikura Ltd. Method of producing a superconducting wire using alloy preform. 4,885,273, 12-5-89, Cl. 505-1.000.

Sugimoto, Mamoru: *See—*
- Aoyama, Akira; Kogure, Shigeru; and Sugimoto, Mamoru, 4,801,499, Cl. 428-336.000.
- Ueda, Hiroshi; and Sugimoto, Mamoru, 4,811,490, Cl. 33-179.50R.

Sugimoto, Masahiro; Wakasugi, Yasumasa; and Harada, Shigeki, to Fujitsu Limited. Heatsink package for flip-chip IC. 4,803,546, 2-7-89, Cl. 357-81.000.

Sugimoto, Masahiro: *See—*
- Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
- Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.

Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, to Nissan Motor Company, Limited. Magnetostriction type torque sensor. 4,887,461, 12-19-89, Cl. 73-118.100.

Sugimoto, Masanori: *See—*
- Miyama, Hidetoshi; Sugimoto, Masanori; and Kawaguchi, Kouji, 4,889,968, Cl. 219-121.700.

Sugimoto, Masatoshi; and Kurosaki, Toshiki, to Toyoda Gosei Co., Ltd. Rubber laminate. 4,806,351, 2-21-89, Cl. 428-421.000.

Sugimoto, Mitsunori, to NEC Corporation. Semiconductor laser with a variable oscillation wavelength. 4,823,352, 4-18-89, Cl. 372-45.000.

Sugimoto, Mitsunori, to NEC Corporation. Phototransistor device. 4,833,511, 5-23-89, Cl. 357-19.000.

Sugimoto, Naohiko; and Fujita, Akira, to Fuji Photo Film Co., Ltd. Electrophoresis device with shark-toothed comb having a thickness determined by the thickness of the gel. 4,883,577, 11-28-89, Cl. 204-299.00R.

Sugimoto, Naoto, to Shizuoka Seiki Co., Ltd. Device for measuring moisture content in grains. 4,841,230, 6-20-89, Cl. 324-65.00R.

Sugimoto, Nobuko: *See—*
- Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, 4,879,295, Cl. 514-255.000.

Sugimoto, Norie: *See—*
- Chikamori, Yoshihiro; Nakamura, Hiromi; Ariyoshi, Ayako; and Sugimoto, Norie, 4,829,683, Cl. 36-51.000.

Sugimoto, Noritsugu; Mori, Nobuyuki; Nakamura, Shozi; and Wada, Fusao. Food-packaging material and process for preparing the same. 4,888,223, 12-19-89, Cl. 428-34.900.

Sugimoto, Osamu; and Watabe, Masayuki, to Kabushiki Kaisha Nippon Coinco. Card read/write device. 4,803,349, 2-7-89, Cl. 235-475.000.

Sugimoto, Osamu: *See—*
- Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
- Nakagawa, Takashi; and Sugimoto, Osamu, 4,828,923, Cl. 428-422.000.
- Watabe, Masayuki; and Sugimoto, Osamu, 4,847,475, Cl. 235-483.000.

Sugimoto, Sabio, to Sharp Kabushiki Kaisha. Document feeding device. 4,815,722, 3-28-89, Cl. 271-3.100.

Sugimoto, Shigeo: *See—*
- Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
- Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, 4,794,775, Cl. 72-78.000.

Sugimoto, Shigeru: *See—*
- Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.
- Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,833,495, Cl. 354-212.000.

Sugimoto, Shigetoshi: *See—*
- Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Sugimoto, Shunjiro: *See—*
- Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P., 4,828,990, Cl. 435-68.000.
- Sugimura, Keijiro; Sugimoto, Shunjiro; and Shirasawa, Hounai, 4,874,697, Cl. 435-68.000.

Sugimoto, Tadao: *See—*
- Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, 4,820,606, Cl. 430-139.000.
- Miyasaka, Tsutomu; Okazaki, Masaki; and Sugimoto, Tadao, 4,876,183, Cl. 430-567.000.

Sugimoto, Tadashi, to Optex Co., Ltd. Intruder perceiving apparatus by means of infrared detection. 4,849,635, 7-18-89, Cl. 250-342.000.

Sugimoto, Takahiro; Sasaki, Hiroki; Yonezawa, Akihiro; and Mitsuyuki, Youichiro, to Kabushiki Kaisha Toshiba. Lamp for generating ultraviolet radiation. 4,835,442, 5-30-89, Cl. 313-565.000.

Sugimoto, Takao: *See—*
- Fujikake, Yoichi; Sugimoto, Takao; Tamaki, Kiyohide; and Udagawa, Yoshio, 4,821,575, Cl. 73-626.000.

Sugimoto, Takeshi: *See—*
- Bishop, Timothy; Ohtaka, Tohru; Bessho, Keiichi; Sugimoto, Takeshi; and Igarashi, Katsutoshi, 4,844,604, Cl. 350-96.240.
- Nohara, Shigezo; Hirata, Sadao; Sugimoto, Takeshi; and Ohkubo, Yoshimichi, 4,816,304, Cl. 428-36.700.

Sugimoto, Takeyuki: *See—*
- Mochida, Yoshihiro; Sugimoto, Takeyuki; Shirahama, Ichiro; and Kiyomoto, Naoshi, 4,850,710, Cl. 356-367.000.

Sugimoto, Tamio: *See—*
- Itahana, Tsutomu; Ono, Tetsuo; and Sugimoto, Tamio, 4,886,425, Cl. 417-309.000.

Sugimoto, Tatsuo: *See—*
- Nakamura, Akira; Hanaoka, Motoyoshi; and Sugimoto, Tatsuo, 4,800,773, Cl. 74-500.500.

Sugimoto, Yasuhiro: *See—*
- Hara, Hiroyuki; and Sugimoto, Yasuhiro, 4,831,579, Cl. 364-784.000.
- Hara, Hiroyuki; and Sugimoto, Yasuhiro, 4,839,609, Cl. 330-253.000.
- Mizoguchi, Satoshi; Sugimoto, Yasuhiro; and Shimizu, Shoichi, 4,816,831, Cl. 341-156.000.
- Sugiyama, Hisashi; Sugimoto, Yasuhiro; and Kamatani, Yukio, 4,798,980, Cl. 307-471.000.
- Tsugaru, Kazunori; and Sugimoto, Yasuhiro, 4,798,981, Cl. 307-475.000.

Sugimoto, Yoshiaki; and Hosokawa, Toshihiro, to Tsubakimoto Chain Co. Rocker pin type continuously variable transmission chain. 4,801,289, 1-31-89, Cl. 474-215.000.

Sugimoto, Yoshihiko: *See—*
- Arai, Tohru; Fujita, Hironori; Sugimoto, Yoshihiko; Ohta, Yukio; Moriyama, Shigeo; and Sato, Akira, 4,818,351, Cl. 204-39.000.
- Ohta, Yukio; Moriyama, Shigeo; Sato, Akira; Arai, Tohru; Fujita, Hironori; and Sugimoto, Yoshihiko, 4,804,445, Cl. 204-39.000.

Sugimoto, Yoshiyasu: *See—*
- Shibasaki, Ichiro; and Sugimoto, Yoshiyasu, 4,835,510, Cl. 338-32.00R.

Sugimoto, Yuji; Tsuji, Masaru; and Yoshiura, Shoichiro, to Sharp Kabushiki Kaisha. Pressure applying mechanism for fixing rollers of a copying apparatus. 4,802,439, 2-7-89, Cl. 118-116.000.

Sugimoto, Yukinobu: *See—*
- Arita, Masujiro; and Sugimoto, Yukinobu, 4,875,980, Cl. 203-14.000.

Sugimura, Akira; and Kimura, Tatsuya, to Nippon Telegraph and Telephone Corporation. Phase-shift distributed-feedback semiconductor laser. 4,847,856, 7-11-89, Cl. 372-96.000.

Sugimura, Hideo: *See—*
- Kuwabara, Nobuyuki; Hasegawa, Kou; Sugimura, Hideo; Nakajima, Kazuhiro; and Moriguchi, Haruhiko, 4,855,758, Cl. 346-76.0PH.
- Yamada, Toyokazu; Miyama, Masao; Sugimura, Hideo; and Shinohara, Takeshi, 4,842,951, Cl. 428-516.000.

Sugimura, Hiroshi; Imada, Eiji; Kojima, Yoshimi; and Tsuchimoto, Shuhei, to Sharp Kabushiki Kaisha. Electrophotographic printing process using photochromic compound. 4,883,733, 11-28-89, Cl. 430-54.000.

Sugimura, Kazuo: *See—*
- Sugimura, Nobuyuki; and Sugimura, Kazuo, 4,872,486, Cl. 138-30.000.

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Sugimura, Keiichi; Takeyama, Yoshinobu; and Shimada, Kazuyuki, to Ricoh Company, Ltd. Semiconductor laser output control circuit. 4,835,780, 5-30-89, Cl. 372-29.000.

Sugimura, Keijiro; Sugimoto, Shunjiro; and Shirasawa, Hounai, to Suntory Limited. Novel host *e. coli* and use thereof. 4,874,697, 10-17-89, Cl. 435-68.000.

Sugimura, Nobuyuki. Accumulator provided with an insert. 4,838,316, 6-13-89, Cl. 138-30.000.

Sugimura, Nobuyuki; and Sugimura, Kazuo. Accumulator having inclined communication holes. 4,872,486, 10-10-89, Cl. 138-30.000.

Sugimura, Tatuo; Satoh, Isao; Imai, Yoshihiko; and Ichinose, Makoto, to Matsushita Electric Industrial Co., Ltd. Information recording/reproducing apparatus with means for substituting predetermined good sectors for defective ones. 4,841,498, 6-20-89, Cl. 369-32.000.

Sugimura, Tomio: *See—*
Tsuaki, Hajime; and Sugimura, Tomio, 4,843,592, Cl. 364-900.000.

Sugimura, Toshiya; and Yoshimura, Hiroshi, to Isuzu Motors Limited. Electronic control system for automatic vehicle transmission with means for determining abnormal operation of vehicle speed sensor. 4,843,915, 7-4-89, Cl. 74-862.000.

Sugimura, Toshiya; Kasai, Hitoshi; and Yoshimura, Hiroshi, to Fujitsu Limited. Clutch target position control system. 4,858,131, 8-15-89, Cl. 364-424.100.

Sugimura, Tuyoshi; Hori, Kenji; and Oba, Kiyoyuki, to Iseki Food Engineering Kabushiki Kaisha; and Kabushiki Kaisha Horiken. Apparatus for continuously cooking rice by steaming. 4,873,917, 10-17-89, Cl. 99-355.000.

Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, to Kansai Paint Company, Limited. Metallic coating method. 4,812,337, 3-14-89, Cl. 427-407.100.

Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, to Kansai Paint Company, Limited. Finish coating method. 4,871,591, 10-3-89, Cl. 427-388.500.

Suginaka, Yutaka: *See—*
Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Suido, Shigeko; and Kobayashi, Toshitaka, 4,840,814, Cl. 426-580.000.

Sugino, Hiroshi: *See—*
Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, 4,798,339, Cl. 239-601.000.

Sugino, Kazuo: *See—*
Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.

Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, to Sugino Machine Limited. Submerged jet injection nozzle. 4,798,339, 1-17-89, Cl. 239-601.000.

Sugino, Kouichi, to Seikosha Co., Ltd. Printer. 4,856,924, 8-15-89, Cl. 400-283.000.

Sugino Machine Limited: *See—*
Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, 4,798,339, Cl. 239-601.000.

Sugino, Masaru; and Matsui, Shinichi, to Nissan Motor Company, Limited. Apparatus for supporting a vibrating object. 4,867,263, 9-19-89, Cl. 180-291.000.

Sugino, Satoru, to Mitsubishi Kasei Vinyl Company. Composite polyester sheet and process for its production. 4,839,218, 6-13-89, Cl. 428-212.000.

Sugino, Yasuo: *See—*
Wakabayashi, Minoru; Murata, Hiroyuki; Sugino, Yasuo; Yamao, Masanobu; and Nishikawa, Takao, 4,872,972, Cl. 209-143.000.

Suginuma, Atsushi: *See—*
Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, 4,867,649, Cl. 417-222.00S.
Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.

Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, to Mitsubishi Gas Chemical Company, Inc. Photosensitive polyimide precursor. 4,861,854, 8-29-89, Cl. 528-125.000

Sugioka, Shinji: *See—*
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,722, Cl. 372-33.000.
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,725, Cl. 372-56.000.
Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,868,840, Cl. 372-56.000.
Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Sugioka, Takami; Naoki, Shigeru; and Ueno, Toshiyuki, to Teijin Seiki Company Limited. Bearing cooling apparatus of heating roller. 4,822,972, 4-18-89, Cl. 219-10.492.

Sugioka, Takao: *See—*
Ogawa, Souichi; Sugioka, Takao; and Inoue, Masaru, 4,828,931, Cl. 428-596.000.

Sugisaka, Hiroshi: *See—*
Ito, Akio; Sawa, Hidenori; Sugisaka, Hiroshi; Hayashi, Shigeaki; Nakagawa, Hiroto; Oono, Yasuteru; and Haraguchi, Eiji, 4,812,729, Cl. 318-732.000.

Sugisaki, Takashi: *See—*
Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizutani, Yohji; and Kishida, Nobuhiro, 4,803,036, Cl. 264-526.000.

Sugisaki, Toshihiko: *See—*
Murase, Michio; Kataoka, Yoshiyuki; Inoue, Hisamichi; Naioh, Masanori; and Sugisaki, Toshihiko, 4,859,401, Cl. 376-282.000.

Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, to Kawasumi Laboratories, Inc. Device for controlling liquid dropping. 4,827,970, 5-9-89, Cl. 137-486.000.

Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, to House Food Industrial Company Limited. Method of retort packaging broiled fish and product thereof. 4,798,728, 1-17-89, Cl. 426-129.000.

Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, to House Food Industrial Co., Ltd. Process for preparing sterilized packaged fish and product thereof. 4,840,805, 6-20-89, Cl. 426-129.000.

Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, to House Food Industrial Company Limited. Method of producing retort food. 4,842,872, 6-27-89, Cl. 426-46.000.

Sugisawa, Ko; Sekiguchi, Kazuya; Tuji, Kiyoaki; and Ono, Akinobu, to House Food Industrial Company Limited. Continuous sterilizing and packing apparatus. 4,861,559, 8-29-89, Cl. 422-110.000.

Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Abe, Kumiko, to House Food Industrial Company Limited. Method of producing retort packaged fish. 4,871,565, 10-3-89, Cl. 426-407.000.

Sugisawa, Ko; Matsumura, Yasushi; Okamoto, Hidefumi; and Hayami, Hiroshi, to House Food Industrial Company Limited. Pressure-controlling method. 4,874,580, 10-17-89, Cl. 422-25.000.

Sugishima, Eiichi: *See—*
Hirose, Kenji; Sugishima, Eiichi; and Daijyo, Masakatsu, 4,819,157, Cl. 363-56.000.

Sugishima, Kazushi: *See—*
Shirai, Yoshimichi; Ibe, Hiromitu; Kada, Yasutosi; and Sugishima, Kazushi, 4,862,575, Cl. 29-424.000.

Sugishima, Kiyohisa; and Yamada, Masanori, to Canon Kabushiki Kaisha. Multi-unit image processing system with central control. 4,797,706, 1-10-89, Cl. 355-14.00R.

Sugishima, Kiyohisa, to Canon Kabushiki Kaisha. Image processing apparatus capable of forming images on both sides or overlying images on one side of a recording material. 4,831,411, 5-16-89, Cl. 355-14.0SH.

Sugishima, Noboru: *See—*
Ikeda, Noriaki; Sugishima, Noboru; Fujii, Yasushi; Ikuta, Shinji; Nakanishi, Yoshiyuki; and Inoue, Akira, 4,840,749, Cl. 260-378.000.

Sugishima, Yasuo, to Sharp Kabushiki Kaisha. Electronic cash register system. 4,887,209, 12-12-89, Cl. 364-405.000.

Sugishima, Yoshio: *See—*
Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.

Sugishita, Hideyuki: *See—*
Kashibe, Masaki; Sugishita, Hideyuki; and Okada, Nobuyoshi, 4,822,760, Cl. 502-24.000.

Sugishita, Kyosuke: *See—*
Nishitani, Takao; Kuroda, Ichiro; Tanaka, Hideo; and Sugishita, Kyosuke, 4,817,047, Cl. 364-754.000.

Sugita, Heiji, to Sugita Wire Mfg. Co., Ltd. Process for producing oil quench hardening and tempering and hard drawn steel wire of shaped section. 4,877,462, 10-31-89, Cl. 148-12.00B.

Sugita, Katsuhiko; Nakada, Akihiko; and Sainen, Tsutomu, to Tsudakoma Corp. Method of controlling pile warp tension in synchronism with loom movement. 4,827,985, 5-9-89, Cl. 139-25.000.

Sugita, Katsuhiko: *See—*
Tamura, Zenji; and Sugita, Katsuhiko, 4,836,252, Cl. 139-353.000.

Sugita, Kazuhiko; Sugiyama, Kazuhisa; and Nakane, Yasumasa, to Toyoda Koki Kabushiki Kaisha. Hydrostatically supporting device for slide. 4,865,465, 9-12-89, Cl. 384-12.000.

Sugita, Kazuhiko: *See—*
Kitamura, Shigeharu; and Sugita, Kazuhiko, 4,805,763, Cl. 198-332.000.

Sugita, Keizo: *See—*
Kishimoto, Hideo; Sugita, Keizo; and Yoshitoshi, Makoto, 4,815,107, Cl. 375-96.000.

Sugita, Kyoko: *See—*
Arai, Shigeyoshi; Kamioka, Masatsugu; Ishikawa, Yo-ichi; Isomura, Shohei; and Sugita, Kyoko, 4,824,537, Cl. 204-157.220.

Sugita, Masaya: *See—*
Inoue, Tai; Sugita, Masaya; and Okamoto, Keiji, 4,878,453, Cl. 116-288.000.

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Hiraga, Hisao; Nishimoto, Takashi; and Futagawa, Minoru, to Shimizu Construction Co., Ltd.; and Dainihon Glass Industry Company Ltd. Textile reinforced structural components. 4,819,395, 4-11-89, Cl. 52-309.160.

Sugita, Minoru; Nakatsuji, Teruyuki; Fujisaki, Tadashi; Sawaide, Minoru; Ishikawa, Noboru; and Inada, Yasuo, to Shimizu Construction Co., Ltd.; Dainihon Glass Industry Co., Ltd.; and Kyojin Rope Manufacturing Co., Ltd. Rod material. 4,876,143, 10-24-89, Cl. 428-294.000.

Sugita, Naoki: *See—*
Matsumura, Fujio; Sugita, Naoki; and Hata, Yutaka, 4,829,773, Cl. 62-50.000.

Sugita, Norio: *See—*
Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.
Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.

Sugita, Noriyuki, to Electroplating Engineers of Japan, Limited. Process and apparatus for recovery of precious metal compound. 4,880,511, 11-14-89, Cl. 204-151.000.

Sugita, Ryuji; Tohma, Kiyokazu; Honda, Kazuyoshi; and Nanbu, Taro, to Matsushita Electric Industrial Co., Ltd. Method for providing a perpendicular recording medium for use with a ring-shaped recording and reproducing head. 4,859,501, [illegible]-22-89, Cl. 427-131.000.

Sugita, Shigehisa; Koyama, Kazuhito; Shiina, Koji; Sakaguchi, Seiichiro; Kuroda, Michio; and Noguchi, Yoshiki, to Hitachi, Ltd. Method of starting fuel cell power generation system. 4,820,594, 4-11-89, Cl. 429-17.000.

Sugita, Shigehisa: *See—*
Koyama, Kazuhito; Sugita, Shigehisa; Sakaguchi, Seiichiro; Seiki, Nobuhiro; and Hanzawa, Asao, 4,861,348, Cl. 48-94.000.

Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, to Megumi Ide. Silver halide photographic light-sensitive material to provide dye-image with improved color-fastness to light. 4,814,262, 3-21-89, Cl. 430-551.000.

Sugita, Takatoshi; and Furukawa, Shunsuke, to Sony Corporation. Micro-computer control for a video machine. 4,796,223, 1-3-89, Cl. 364-900.000.

Sugita, Terumitsu; and Urushibara, Koji, to Seiko Seiki Kabushiki Kaisha. Rotary vane compressor having pressure-biased vanes. 4,867,658, 9-19-89, Cl. 418-76.000.

Sugita, Toshiaki: *See—*
Aizu, Yoshihisa; Ogino, Kouji; and Sugita, Toshiaki, 4,848,897, Cl. 351-221.000.

Sugita, Toshikazu: *See—*
Mori, Shigeru; and Sugita, Toshikazu, 4,842,753, Cl. 252-42.700.

Sugita, Tunezo, to Konishiroku Photo Industry Co., Ltd. Continuous coating method capable of achieving higher yield. 4,797,304, 1-10-89, Cl. 427-208.600.

Sugita Wire Mfg. Co., Ltd.: *See—*
Sugita, Heiji, 4,877,462, Cl. 148-12.00B.

Sugita, Yasutoshi: *See—*
Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi. 4,878,250, Cl. 382-56.000.

Sugita, Yoshio: *See—*
Kurata, Naoji; Sugita, Yoshio; Kobayashi, Keiji; and Kawano, Atsushi, 4,814,462, Cl. 548-444.000.
Saito, Yoshinori; Araki, Shinichi; Sugita, Yoshio; and Kurata, Naoji, 4,831,189, Cl. 562-408.000.

Sugita, Yutaka: *See—*
Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
Takayama, Shinji; Kirino, Fumiyoshi; and Sugita, Yutaka, 4,838,962, Cl. 148-304.000.
Takayama, Shinji; Niihara, Toshio; Kaneko, Katsuhiro; and Sugita, Yutaka, 4,880,694, Cl. 428-336.000.

Sugitani, Kazumi: *See—*
Karasaki, Toshihiko; and Sugitani, Kazumi, 4,857,718, Cl. 250-201.000.

Sugitani, Kazunori, to Cannon Kabushiki Kaisha. Block processing apparatus. 4,843,570, 6-27-89, Cl. 364-518.000.

Sugitani, Tatsuo; Uchida, Kiyoyuki; and Inoue, Hideo, to Toyota Jidosha Kabushiki Kaisha. Vehicle braking system for drive wheels, having means for delaying commencement of brake pressure change. 4,883,326, 11-28-89, Cl. 303-110.000.

Sugitani, Tatsuo: *See—*
Inoue, Hideo; Ohta, Masashi; and Sugitani, Tatsuo, 4,848,852, Cl. 303-100.000.
Inoue, Hideo; Uchida, Koyoyuki; and Sugitani, Tatsuo, 4,849,890, Cl. 364-426.020.

Sugitani, Yuji; and Nishi, Yasuhiko, to NKK Corporation. Automatic arc-welding method. 4,816,639, 3-28-89. Cl. 219-137.0PS.

Sugitani, Yuji; Kanjo, Yosihiro; and Nishi, Yasuhiko, to NKK Corporation. Automatic arc-welding method 4.816,640, 3-28-89, Cl. 219-137.0PS.

Sugitani, Yuji; and Nishi, Yasuhiko, to NKK Corporation. Automatic arc-welding method. 4,816,641, 3-28-89, Cl. 219-137.0PS.

Sugitani, Yuji; and Sato, Yoshikazu, to NKK Corporation. Method for controlling a bead. 4,827,101, 5-2-89, Cl. 219-124.100.

Sugitani, Yuji; and Murayama, Masatoshi, to Nippon Kokan Kabushiki Kaisha. Bevel profiling control method for arc welding. 4,851,638, 7-25-89, Cl. 219-124.340.

Sugitani, Yuji; Nishi, Yasuhiko; and Kanjo, Yoshihiro, to NKK Corporation; and Nippon Sanso K.K. Apparatus for automatically welding cylindrical vessel. 4,851,639, 7-25-89, Cl. 219-124.340.

Sugitani, Yuji; Sato, Yoshikazu; and Nishi, Yasuhiko, to NKK Corporation. Method for controlling a penetration bead. 4,876,432, 10-24-89, Cl. 219-124.320.

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Mizukami, Hidcaki; Mori, Kentaro; Ozeki, Akichika; Kawawa, Takaho; Sugitani, Yuji; Nomura, Hirokazu; Fujioka, Tadashi; and Nakagawa, Hirotaka, 4,886,547, Cl. 75-0.50C.

Sugiuchi, Masami: *See—*
Naito, Katsuyuki; Okamoto, Masayoshi; Mizushima, Koichi; Nakayama, Toshio; Sugiuchi, Masami; and Miura, Akira, 4,819,057, Cl. 357-17.000.

Sugiura, Akira; Sawanishi, Shigeru; and Ogawa, Noboru, to Japan Exlan Company Limited. Method of producing acrylic fibers. 4,818,458, 4-4-89, Cl. 264-182.000.

Sugiura, Fuminiko: *See—*
Umeda, Tetsuo; and Sugiura, Fumihiko, 4,888,646, Cl. 358-464.000.

Sugiura, Hidemi; Ukai, Mikio; and Miyamoto, Kenji, to Toyoda Gosei Co., Ltd. Plastic boots and method of manufacturing the same. 4,852,891, 8-1-89, Cl. 277-212.0FB.

Sugiura, Hideo: *See—*
Kobayashi, Naoki; Sugiura, Hideo; and Horikoshi, Yoshiji, 4,829,022, Cl. 437-107.000.

Sugiura, Hiroaki; Ide, Yuichi; and Uesugi, Michika, to Kabushiki Kaisha Toshiba. Device for reducing the leakage noise of a power converter. 4,849,950, 7-18-89, Cl. 363-48.000.

Sugiura, Hiroshi: *See—*
Nakashima, Kunihiko; Sugiura, Hiroshi; Murachi, Tatsuya; and Nakane, Masakazu, 4,804,584, Cl. 428-424.200.

Sugiura, Hisao; and Watanabe, Masanori, to Ube Industries, Ltd. Process for producing controlled release preparation. 4,842,860, 6-27-89, Cl. 424-403.000.

Sugiura, June; and Komori, Kazuhiro, to Hitachi, Ltd. Semiconductor device equipped with a field effect transistor having a floating gate. 4,872,041, 10-3-89, Cl. 357-23.500.

Sugiura, June: *See—*
Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.

Sugiura, Junji: *See—*
Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.

Sugiura, Koji; and Ibe, Takaya, to Kabushiki Kaisha Bandai. Keyboard. 4,831,219, 5-16-89, Cl. 200-5.00A.

Sugiura, Mamoru: *See—*
Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.

Sugiura, Masaaki: *See—*
Shinbo, Toshio; Nishimura, Koichiro; Yamaguchi, Tomohiko; and Sugiura, Masaaki, 4,842,935, Cl. 428-404.000.

Sugiura, Masahiro; Yoshida, Michiyuki; and Nakatsuji, Yoshiaki, to Sakata Shokai, Ltd. Method of directly mounting a printing plate on plate cylinder and the plate cylinder and register pins used in said method. 4,809,609, 3-7-89, Cl. 101-426.000.

Sugiura, Masamichi: *See—*
Oyabu, Masaaki; Sugiura, Masamichi; Hasegawa, Hirofumi; and Nakatani, Munehiro, 4,837,846, Cl. 382-50.000.

Sugiura, Miyoji: *See—*
Hibi, Tadaaki; Sugiura, Miyoji; Kano, Hiromi; Kimura, Sigeyuki; and Kazami, Takeshi, 4,800,163, Cl. 435-287.000.

Sugiura, Muneharu: *See—*
Kato, Masatake; Tsuji, Sadahiko; Sugiura, Muneharu; and Tanaka, Kazuo, 4,854,681, Cl. 350-427.000.

Sugiura, Noboru: *See—*
Fujino, Yasunori; Sugiura, Noboru; and Kobayashi, Ryoichi, 4,836,176, Cl. 123-640.000.
Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.
Noto, Yasuo; and Sugiura, Noboru, 4,803,629, Cl. 364-424.050.
Urushiwara, Noriyoshi; Sugiura, Noboru; Fujino, Yasunori; and Kobayashi, Ryoichi, 4,854,292, Cl. 123-630.000.

Sugiura, Rikio: *See—*
Ono, Michio; Kubota, Akihiro; Aoki, Tsuyoshi; Inoue, Osamu; and Sugiura, Rikio, 4,801,997, Cl. 357-70.000.

Sugiura, Ryuzo; Kanno, Kenichi; and Ojima, Hisami, to Tamura Electric Works, Ltd. System for setting registration mode for key telephone set. 4,823,377, 4-18-89, Cl. 379-156.000.

Sugiura, Ryuzo: *See—*
Okumura, Senji; Kobayashi, Yasuo; Sugiura, Ryuzo; and Ikeda, Masatoshi, 4,821,316, Cl. 379-156.000.

Sugiura, Sadanobu; Tokunaga, Kunishige; and Kawashima, Teruhisa, to Toshiba Ceramics Co., Ltd. Submerged nozzle for steel casting. 4,858,794, 8-22-89, Cl. 222-606.000.

Sugiura, Satoshi, to Kabushiki Kaisha Toshiba. Transmitting/receiving system for magnetic resonance imaging system. 4,839,596, 6-13-89, Cl. 324-322.000.

Sugiura, Satoshi, to Pioneer Electronic Corporation. Optical pick-up device. 4,847,478, 7-11-89, Cl. 250-201.000.

Sugiura, Shin: *See—*
Shinozawa, Yusaku; and Sugiura, Shin, 4,821,548, Cl. 72-107.000.
Shinozawa, Yusaku; and Sugiura, Shin, 4,854,201, Cl. 83-140.000.

Sugiura, Susumu; and Hoshino, Osamu, to Canon Kabushiki Kaisha. Data processing system with common channel for image and character data. 4,819,063, 4-4-89, Cl. 358-75.000.

Sugiura, Susumu; Sato, Tadashi; and Nakajima, Norio, to Canon Kabushiki Kaisha. Process apparatus for processing memory which stores information. 4,843,428, 6-27-89, Cl. 358-300.000.

Sugiura, Susumu: *See—*

Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, 4,860,026, Cl. 346-1.100.

Sugiura, Takashi; Matsuura, Ichiro; Miyauchi, Fumio; and Chiyoshi, Toyoharu, to Ikeda Bussan Co., Ltd. Method of producing skin-covered pad for seat. 4,886,630, 12-12-89, Cl. 264-46.600.

Sugiura, Tsuneo; and Nakata, Tomio, to Tamagawa Seiki Kabushiki Kaisha. Multiphase small size brushless DC motor. 4,820,951, 4-11-89, Cl. 310-257.000.

Sugiura, Tsutomu: *See—*

Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, 4,867,913, Cl. 260-397.450.

Fujimoto, Kenichi; Sato, Maki; and Sugiura, Tsutomu, 4,795,591, Cl. 252-506.000.

Sugiura, Yasuyuki; and Mizunoya, Hobuyuki, to Kabushiki Kaisha Toshiba. Aluminum nitride ceramic substrate for copper and method for production thereof. 4,863,658, 9-5-89, Cl. 264-65.000.

Sugiura, Yasuyuki: *See—*

Mizunoya, Nobuyuki; Kohama, Hajime; and Sugiura, Yasuyuki, 4,849,292, Cl. 428-433.000.

Sugiura, Yoshinori: *See—*

Sato, Hideki; Komatsu, Teruo; and Sugiura, Yoshinori, 4,800,401, Cl. 346-108.000.

Sugiura, Yoshio: *See—*

Yamakawa, Kiyoshi; Sugiura, Yoshio; and Tsuruki, Satoru, 4,863,296, Cl. 400-63.000.

Sugiura, Yuzuru; and Miwa, Akihiko, to Aisin Seiki Kabushiki Kaisha. Vacuum-operated brake booster with a key and retainer therefor. 4,843,948, 7-4-89, Cl. 91-369.400.

Sugiura, Yuzuru: *See—*

Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, 4,856,412, Cl. 91-369.200.

Nishii, Michiharu; and Sugiura, Yuzuru, 4,794,850, Cl. 92-168.000.

Sugiyama, Akihisa: *See—*

Nakashima, Tatsutoshi; Taniyama, Yoshitaka; and Sugiyama, Akihisa, 4,814,402, Cl. 526-245.000.

Sugiyama, Akiyoshi, to Kabushiki Kaisha Toshiba. Refrigerating circuit device for air conditioning apparatus and control method thereof. 4,850,200, 7-25-89, Cl. 62-156.000.

Sugiyama, Etsuo: *See—*

Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; Sugiyama, Etsuo; and Yamada, Yutaka, 4,869,739, Cl. 55-269.000.

Sugiyama, Fumio; and Dachiku, Kenshi, to Kabushiki Kaisha Toshiba. Divisional image transmission system and method. 4,797,742, 1-10-89, Cl. 358-141.000.

Sugiyama, Fumio: *See—*

Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, 4,833,535, Cl. 358-135.000.

Sugiyama, Genroku; Hirata, Toichi; and Satoh, Shinichi, to Hitachi Construction Machinery Co., Ltd. Constructi[illegible]chine dual-dump hydraulic circuit with piloted arm-boom cyl[illegible]r supply priority switching valves. 4,875,337, 10-24-89, Cl. 60-421.000.

Sugiyama, Genroku: *See—*

Hirata, Toichi; Tanaka, Hideaki; Sugiyama, Genroku; and Satoh, Shinichi, 4,832,082, Cl. 137-625.660.

Satoh, Shinichi; Hirata, Toichi; Sugiyama, Genroku; and Tanaka, Hideaki, 4,858,649, Cl. 137-625.600.

Sugiyama, Haruki: *See—*

Kuwabara, Youhei; Asaoka, Teruo; Moriya, Masayoshi; Iwasaki, Yasuhiro; and Sugiyama, Haruki, 4,800,006, Cl. 204-129.430.

Kuwabara, Youhei; Asaoka, Teruo; Yoshioka, Shogo; and Sugiyama, Haruki, 4,880,509, Cl. 204-129.200.

Sugiyama, Hiromu: *See—*

Kato, Masaaki; Shinohara, Katumi; and Sugiyama, Hiromu, 4,861,610, Cl. 426-582.000.

Sugiyama, Hiroshi; Fujiwara, Mikio; and Ikeda, Chikamasa, to Ikeda Bussan Co. Ltd. Automatic headrest positioning apparatus for seat of motor vehicles. 4,797,824, 1-10-89, Cl. 364-424.050.

Sugiyama, Hiroshi, to Ikeda Bussan Co., Ltd. Reclining device of seat. 4,836,608, 6-6-89, Cl. 297-367.000.

Sugiyama, Hiroshi, to Canon Kabushiki Kaisha. Liquid jet recording apparatus having separate motors for driving a liquid head and a liquid reservoir. 4,882,597, 11-21-89, Cl. 346-140.00R.

Sugiyama, Hiroshi: *See—*

Tsuboi, Hiroyuki; and Sugiyama, Hiroshi, 4,881,186, Cl. 364-565.000.

Sugiyama, Hiroyuki; Komori, Tatsuo; and Takamatsu, Hiroshi, to Komori Printing Machinery Co., Ltd. Inking device for printing apparatus. 4,833,988, 5-30-89, Cl. 101-349.000.

Sugiyama, Hiroyuki: *See—*

Komori, Tatsuo; and Sugiyama, Hiroyuki, 4,836,103, Cl. 101-231.000.

Sugiyama, Hisashi; Sugimoto, Yasuhiro; and Kamatani, Yukio, to Kabushiki Kaisha Toshiba. Booth's conversion circuit. 4,798,980, 1-17-89, Cl. 307-471.000.

Sugiyama, Hisataka: *See—*

Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, 4,835,759, Cl. 369-59.000.

Saito, Atsushi, Maeda, Takeshi; Sugiyama, Hisataka; and Takasugi, Wasao, 4,866,692, Cl. 369-59.000.

Sugiyama, Isao: *See—*

Hasegawa, Masamitsu; Tamura, Satoshi; Wakashima, Takashi; and Sugiyama, Isao, 4,877,678, Cl. 428-216.000.

Sugiyama, Jun; Suzuki, Akira; Terada, Kosei; and Oguri, Shigenori, to Yamaha Corporation. Rhythm tone source assigning apparatus for use in electronic musical instrument. 4,843,934, 7-4-89, Cl. 84-1.030.

Sugiyama, Jun: *See—*

Wada, Akihiro; Kakuta, Rin-ichi; Ohuchi, Kenji; Sugiyama, Jun; and Hasegawa, Shinji, 4,888,387, Cl. 525-66.000.

Sugiyama, Katsumi; Yamashita, Takashi; and Yukawa, Toshihide, to Ajinomoto Co., Inc. Method for recovering α-L-aspartyl-L-phenylalanine methyl ester 4,822,907, 4-18-89, Cl. 560-41.000.

Sugiyama, Katsumi: *See—*

Takahashi, Satoji; and Sugiyama, Katsumi, 4,824,994, Cl. 560-38.000.

Sugiyama, Kazuhiko: *See—*

Ohmi, Tadahiro; Sugiyama, Kazuhiko; Nakahara, Fumio; and Umeda, Masaru, 4,869,301, Cl. 141-85.000.

Sugiyama, Kazuhiro; and Kawai, Yoshio, to Casio Computer Co., Ltd. Compact electronic device. 4,801,768, 1-31-89, Cl. 200-5.00A.

Sugiyama, Kazuhiro; Onishi, Ken; and Inoue, Tohoru, to Mitsubishi Denki Kabushiki Kaisha. PCM signal reproducing apparatus including error/erasure correction circuit. 4,829,525, 5-9-89, Cl. 371-38.000.

Sugiyama, Kazuhiro: *See—*

Onishi, Ken; and Sugiyama, Kazuhiro, 4,882,638, Cl. 360-32.000.

Sugiyama, Kazuhisa: *See—*

Sugita, Kazuhiko; Sugiyama, Kazuhisa; and Nakane, Yasumasa, 4,865,465, Cl. 384-12.000.

Sugiyama, Kengo: *See—*

Kametani, Masatsugu; Sugiyama, Kengo; Kogawa, Takashi; and Hanada, Takeshi, 4,805,613, Cl. 364-132.000.

Sugiyama, Kiyoshi: *See—*

Kosuge, Takuo; and Sugiyama, Kiyoshi, 4,801,453, Cl. 424-95.000.

Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; and Fujita, Yukio, to Nippon Shinyaku Co., Ltd. Glucosylmoranoline derivatives. 4,855,415, 8-8-89, Cl. 536-17.400.

Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; Ozaki, Takayuki; and Ojima, Nobutoshi, to Nippon Shinyaku Co., Ltd. Glucosylmoranoline derivatives and use thereof for inhibiting increase in blood sugar levels. 4,859,767, 8-22-89, Cl. 536-17.400.

Sugiyama, Makoto: *See—*

Ezure, Yoji; Yamamoto, Masashi; Maruo, Shigeaki; and Sugiyama, Makoto, 4,806,633, Cl. 536-18.500.

Iwata, Yoshikazu; Sugiyama, Makoto; and Miyauchi, Motohisa, 4,820,905, Cl. 219-390.000.

Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, to Yazaki Corporation. Protection cover. 4,801,035, 1-31-89, Cl. 220-3.800.

Sugiyama, Masaaki; and Sawai, Mamoru, to Yazaki Corporation. Wire harness assembly. 4,815,984, 3-28-89, Cl. 439-211.000.

Sugiyama, Masami, to Fujirebio Kabushiki Kaisha. Method of measuring lipid-bound sialic acid. 4,837,144, 6-6-89, Cl. 435-4.000.

Sugiyama, Masami; Kita, Nobuyuki; and Tasaka, Yoshihiro, to Minolta Camera Kabushiki Kaisha. Color measuring apparatus. 4,884,221, 11-28-89, Cl. 364-526.000.

Sugiyama, Masami: *See—*

Yokota, Satoshi; Sugiyama, Masami; Kawagoe, Nobukazu; and Miyaura, Tomoko, 4,822,998, Cl. 250-226.000.

Sugiyama, Masanori; Masutani, Takayoshi; and Shirai, Takao, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Person detecting device. 4,887,024, 12-12-89, Cl. 324-61.00R.

Sugiyama, Masato: *See—*

Achiha, Masahiko; Ishikura, Kazuo; Saito, Shobu; Sugiyama, Masato; and Katsumata, Kenji, 4,811,092, Cl. 358-105.000.

Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.

Sugiyama, Misuo: *See—*

Arai, Hatsuyuki; Nagahashi, Isao; Maeda, Seiichi; Yasuda, Kazumi; Furusawa, Shiro; Hirata, Kazuhiko; Nagao, Kastunori; Kondo, Kazuhiko; Sanoki, Takaya; Sugiyama, Misuo; and Kusano, Shinichi, 4,805,348, Cl. 51-118.000.

Sugiyama, Mizuho, to Toyota Jidosha Kabushiki Kaisha. Apparatus for controlling a steering angle of a rear wheel. 4,811,969, 3-14-89, Cl. 280-701.000.

Sugiyama, Sakae: *See—*

Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.

Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,248, Cl. 364-513.000.

Sugiyama, Seiji: *See—*

Kajiura, Toshihiro; Oita, Norio; Abe, Junnosuke; and Sugiyama, Seiji, 4,830,194, Cl. 209-580.000.

Sugiyama, Shigeru: *See—*

Okuno, Osamu; and Sugiyama, Shigeru, 4,877,308, Cl. 350-276.00R.

Sugiyama, Shogo: *See—*

Hara, Noboru; and Sugiyama, Shogo, 4,856,908, Cl. 366-182.000.

Sugiyama, Susumu: *See—*

Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Kouji; Sugiyama, Susumu; Hayashi, Sadayuki; and Matsui, Masayuki, 4,833,929, Cl. 73-862.680.

Sugiyama, Tadashi: *See—*

Maekawa, Nobuyoshi; Yokouchi, Hideya; Aruga, Tomoe; and Sugiyama, Tadashi, 4,825,314, Cl. 360-99.080.

Sugiyama, Taisei: *See—*

Hoshino, Yoshihiro; and Sugiyama, Taisei, 4,850,258, Cl. 84-413.000.

Sugiyama, Takahiro; and Sugawara, Mitsutoshi, to NEC Corporation. Comparator circuit operable for a wide range of input signal. 4,841,177, 6-20-89, Cl. 307-494.000.

Sugiyama, Takashi; Tamano, Setoshi; and Ito, Yukio, to Hitachi Medical Corp. Ultrasonic diagnosis apparatus. 4,817,619, 4-4-89, Cl. 128-661.090.

Sugiyama, Takashi: *See—*

Sakamaki, Yosio; Ideshita, Yuji; Fujita, Fumiyoshi; and Sugiyama, Takashi, 4,883,079, Cl. 132-318.000.

Sugiyama, Takekatsu: *See—*

Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, 4,800,193, Cl. 503-217.000.

Sugiyama, Takeo; and Hiraishi, Shigetoshi, to Mitsubishi Paper Mills, Ltd. Color image recording material. 4,812,354, 3-14-89, Cl. 428-195.000.

Sugiyama, Takeo: *See—*

Morishita, Sadao; Matsushita, Toshihiko; and Sugiyama, Takeo, 4,806,421, Cl. 428-324.000.

Sugiyama, Toshinori; Ikegaki, Tetsurou; Shimizu, Mitsuru; and Tuburaya, Yoshitane, to Hitachi Maxell, Ltd. Optical data recording system and method of production of recording medium. 4,876,133, 10-24-89, Cl. 428-64.000.

Sugiyama, Toshitomo: *See—*

Fukuda, Bunjiro; Sugiyama, Toshitomo; Sato, Keiji; and Honda, Atsuhito, 4,846,448, Cl. 266-103.000.

Sugiyama, Tsutomu; and Yoshizumi, Toshiaki, to Mitsubishi Denki Kabushiki Kaisha. Hydraulic control valve apparatus. 4,887,511, 12-19-89, Cl. 91-361.000.

Sugiyama, Tuyoshi; Takeda, Hideo; Sato, Tsunehiko; and Chikamasa, Hiroshi, to Fuji Photo Film Co., Ltd. Apparatus for removing particles from a flexible support. 4,887,623, 12-19-89, Cl. 134-64.00R.

Sugiyama, Yasunori, to Asics Corporation. Midsole for sports shoes. 4,798,010, 1-17-89, Cl. 36-30.00R.

Sugiyama, Yasunori; and Nakata, Satoru, to Asics Corporation. Sports shoe. 4,854,055, 8-8-89, Cl. 36-127.000.

Sugiyama, Yoshiaki: *See—*

Hanstani, Shinji; Sugiyama, Yoshiaki; and Chino, Hisayoshi, 4,855,846, Cl. 360-84.000.

Sagae, Kyuta; Takemura, Naoto; Sugiyama, Yoshiaki; and Tanabe, Susumu, 4,832,688, Cl. 604-53.000.

Sugiyama, Yoshie: *See—*

Takasugi, Hisashi; Kuno, Atsushi; Sakai, Hiroyoshi; Sugiyama, Yoshie; and Takaya, Takao, 4,831,030, Cl. 514-252.000.

Sugiyama, Yoshihiro: *See—*

Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio; and Sato, Yoshio, 4,860,050, Cl. 355-256.000.

Sugiyama, Yoshio: *See—*

Kanegae, Yukihiro; Sugiyama, Yoshio; and Minami, Kanshiro, 4,810,509, Cl. 426-60.000.

Sugiyama, Yuji: *See—*

Takahama, Teizo; Masuda, Masahiko; Sugimoto, Keisuke; and Sugiyama, Yuji, 4,839,019, Cl. 204-425.000.

Sugiyama, Yutaka, to Nihon Biso Kabushiki Kaisha. Device for horizontally moving an apparatus working at a high location. 4,811,819, 3-14-89, Cl. 182-37.000.

Sugiyama, Yutaka: *See—*

Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.

Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.

Sugiyasu Industries Co., Ltd.: *See—*

Isogai, Shunji, 4,825,977, Cl. 187-8.470.

Isogai, Shunji, 4,856,618, Cl. 187-8.500.

Iwahashi, Kunimitsu, 4,886,145, Cl. 187-8.710.

Kawada, Hiroyuki, 4,815,712, Cl. 254-89.00H.

Kawada, Hiroyuki, 4,830,147, Cl. 187-8.620.

Kawada, Hiroyuki, 4,854,421, Cl. 187-8.710.

Kawada, Hiroyuki, 4,884,936, Cl. 414-498.000.

Sugiyasu Iron Works Inc.: *See—*

Kawada, Hiroyuki; and Niwa, Kiminori, 4,854,422, Cl. 187-9.00R.

Sugizaki, Tomohiro: *See—*

Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.

Sugoh, Yoshihisa; and Ochi, Yasuo, to Kabushiki Kaisya Advance. Process for manufacture of metal oxide. 4,861,572, 8-29-89, Cl. 423-339.000.

Sugou, Shigeo; and Yanase, Tomoo, to NEC Corporation. Buried heterostructure semiconductor laser with high-resistivity semiconductor layer for current confinement. 4,815,083, 3-21-89, Cl. 372-46.000.

Sugumi, Hiroyuki: *See—*

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Suguri, Kazuhiko, to Harada Kogyo Kabushiki Kaisha. Method of manufacturing toroidal coils. 4,878,291, 11-7-89, Cl. 29-606.000.

Suh, John T.; Pendelton, Robert G.; Pendley, Charles E., II; Yu, Kin T.; Menard, Paul R.; and Schreiber, Alain B., to Rorer Pharmaceutical Corporation. Treatment of conditions requiring enhanced oxygen availability to mammalian tissues. 4,861,795, 8-29-89, Cl. 514-510.000.

Suh, John T.: *See—*

Neiss, Edward S.; Stevenson, David; Ho, Laurence L.; Liu, Robert C.; and Suh, John T., 4,804,742, Cl. 530-307.000.

Pendleton, Robert G.; Pendley, Charles E., II; Suh, John T.; Yu, Kin T.; Menard, Paul R.; and Herczeg, Tihamer, 4,849,416, Cl. 514-150.000.

Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,795,757, Cl. 514-415.000.

Regan, John R.; Barton, Jeffrey N.; Suh, John T.; and Skiles, Jerry W., 4,843,081, Cl. 514-307.000.

Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,820,729, Cl. 514-542.000.

Youssefyeh, Raymond D.; Skiles, Jerry W.; Suh, John T.; and Jones, Howard, 4,831,184, Cl. 560-43.000.

Suh, Suk Y., to Hoechst Celanese Corp. Recording material utilizing multilayer Bi/Se film. 4,845,515, 7-4-89, Cl. 346-135.100.

Suhadolnik, Robert J.; and Pfleiderer, Wolfgang, to Temple University of the Commonwealth System of Higher Education. Derivatives of 2′, 5′-oligoadenylate and antiviral uses thereof. 4,859,768, 8-22-89, Cl. 536-27.000.

Suhama Chemical Co., Ltd.: *See—*

Murase, Akira, 4,801,331, Cl. 106-5.000.

Suhara, Toshiaki: *See—*

Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, Cl. 350-320.000.

Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,833,561, Cl. 360-114.000.

Sunagawa, Hiroshi; Suhara, Toshiaki; and Nishihara, Hiroshi, 4,868,803, Cl. 369-44.000.

Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,885,732, Cl. 369-44.000.

Suher, Frank: *See—*

Gaia, Aldino J.; Suher, Frank; Douglass, Robert; Ehlmann, Arlie; and Urani, Angelo, 4,831,353, Cl. 337-255.000.

Suhov, Boris P., to Huck Manufacturing Company. Lockbolt installation tool with cartridge feed. 4,852,376, 8-1-89, Cl. 72-391.000.

Sui, Masaru, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Liquid feed pump system. 4,846,308, 7-11-89, Cl. 184-6.230.

Suichi, Isao: *See—*

Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.

Suido, Shigeko: *See—*

Harada, Hidetoshi; Chihara, Satoshi; Suginaka, Yutaka; Suido, Shigeko; and Kobayashi, Toshitaka, 4,840,814, Cl. 426-580.000.

Suillerot, Didier: *See—*

Garcia, Marcel; and Suillerot, Didier, 4,795,230, Cl. 350-96.200.

Suimon, Yoshio, to Kabushiki Kaisha Hanzawa Corporation. Rotary-type electromagnetic actuator for toys. 4,857,789, 8-15-89, Cl. 310-233.000.

Suissa, Moshe. Dry cleaning machine. 4,879,888, 11-14-89, Cl. 68-18.00C.

Suisse, Richard A.: *See—*

Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,799,437, Cl. 110-229.000.

Beierle, Frederick P.; Boyer, Birdell T.; and Suisse, Richard A., 4,846,668, Cl. 431-173.000.

Suita, Yasunori: *See—*

Hisanaga, Yorisato; Shimokawa, Kazuhiro; Kawano, Toshihiko; Suita, Yasunori; and Yamashita, Tsuneo, 4,876,245, Cl. 514-29.000.

Suiter, James R. Bowling lane with transparent plastic film finishing layer. 4,795,152, 1-3-89, Cl. 273-51.000.

Suiter, James R. Bowling lane refinishing method. 4,867,816, 9-19-89, Cl. 156-71.000.

Suitor, Jerry W.; Berdahl, C. Martin; and Marner, Wilbur J., to California Institute of Technology. Apparatus in the form of a disk for the separation of oxygen from other gases and/or for the pumping of oxygen and the method of removing the oxygen. 4,885,142, 12-5-89, Cl. 423-219.000.

Suitor, Jerry W.: *See—*

Collins, Earl R., Jr.; Suitor, Jerry W.; and Dubis, David, 4,860,669, Cl. 110-165.00R.

Suizu, Dairi, to Okura Yusoki Kabushiki Kaisha. Transferring and sorting apparatus. 4,884,676, 12-5-89, Cl. 198-365.000.

Suizu, Tetsuyoshi: *See—*

Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.

Sujansky, Vladimir: *See—*

Bates, Andrew; and Sujansky, Vladimir, 4,853,050, Cl. 149-2.000.

Sujdak, Richard J.: *See—*

Merrell, Gene A.; and Sujdak, Richard J., 4,796,548, Cl. 110-343.000.

Suka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, to Hitachi, Ltd. Vacuum cleaner having a blower facility structure. 4,809,394, 3-7-89, Cl. 15-327.00R.

Sukai, Emiko, to Kabushiki Kaisha Toshiba. Cushioning and protecting members. 4,880,214, 11-14-89, Cl. 267-136.000.

Sukamoto, Takayuki: *See—*

Iemura, Ryuichi; Hori, Manabu; Ohtaka, Hiroshi; Sukamoto, Takayuki; Hara, Hideaki; and Ito, Keizo, 4,877,790, Cl. 514-260.000.

Sukeda, Masaaki: *See—*
  Kitada, Hideki; Takahashi, Masami; Yagi, Toshiyuki; Sukeda. Masaaki; and Nakayama, Tadashi, 4,808,642, Cl. 524-87.000.
Sukeda, Toshiaki, to Fujitsu Limited. Magnetic bubble memory with main and auxiliary printed wiring film. 4,868,786, 9-19-89, Cl. 365-2.000.
Sukeforth, Carl J.: *See—*
  du Pont, Benjamin F.; and Sukeforth, Carl J., 4,877,407, Cl. 434-302.000.
Sukegawa, Takashi: *See—*
  Matsui, Takayuki; Okuyama, Toshiaki; Sukegawa, Takashi; and Takahashi, Junichi, 4,808,903, Cl. 318-800.000.
  Omae, Tsutomu; Matsuda, Toshihiko; Sukegawa, Takashi; and Tobise, Masahiro, 4,814,678, Cl. 318-317.000
Sukegawa, Tsuneyuki: *See—*
  Kondo, Kazuo; Sukegawa, Tsuneyuki; and Morikawa, Asao, 4,801,067, Cl. 228-123.000.
  Kondo, Kazuo; Shiromizu, Hisaharu; Morikawa, Asao; and Sukegawa, Tsuneyuki, 4,810,528, Cl. 427-96.000.
Sukemura, Takao, to Fujitsu Limited. Semiconductor integrated circuit. 4,857,834, 8-15-89, Cl. 324-73.00R.
Sukhorukov, Dmitry V.: *See—*
  Falkevich, Sergei A.; Naumov, Mikhail V.; Shkarlet, Jury M.; Sukhorukov, Dmitry V.; Fedotov, Viktor N.; and Sazonov, Jury I., 4,856,336, Cl. 73-598.000.
Sukhwal, Ram N.: *See—*
  Goldstein, Vladimir L.; and Sukhwal, Ram N., 4,809,513, Cl. 62-59.000.
Sukigara, Akihiko; Mizoguchi, Shigeru; Wada, Yuzo; Shibamiya, Yoshikazu; and Ohshima, Noriyoshi, to Canon Kabushiki Kaisha. Thermal transfer printer. 4,827,286, 5-2-89, Cl. 346-76.0PH.
Sukigara, Akihiko, to Canon Kabushiki Kaisha. Input device. 4,833,447, 5-23-89, Cl. 341-25.000.
Sukigara, Akihiko: *See—*
  Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; Sukigara, Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, Shigeru, 4,887,096, Cl. 346-76.0PH.
Sukigara, Masayuki; Kaneko, Yasushi; and Kataoka, Hiroshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Shaped article of a tetrafluoroethylene polymer. 4,824,898, 4-25-89, Cl. 524-401.000.
Sukimoto, Minobu; Chuma, Hiromune; and Tachi, Teruo, to Showa Aluminum Kabushiki Kaisha. Method for producing aluminum drums having highly smooth surface. 4,805,435, 2-21-89, Cl. 72-283.000.
Sukimoto, Minobu; Arima, Haruo; Yamada, Toshiyuki; and Taguchi, Seijiro, to Showa Aluminum Corporation. Fuel pipe device for motor vehicles and process for producing same. 4,809,743, 3-7-89, Cl. 137-561.00A.
Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, to Showa Aluminum Corporation. Intake manifold and process for producing same. 4,829,944, 5-16-89, Cl. 123-52.00M.
Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, to Showa Aluminum Corporation. Process for producing an intake manifold. 4,887,557, 12-19-89, Cl. 123-52.0MC.
Suko, Scott K., to Westinghouse Electric Corp. Shoot-through resistant DC/DC power converter. 4,866,586, 9-12-89, Cl. 363-5.000.
Sukoriansky, Semion; Blumenau, Leif; and Spero, Yechezkal E., to Solmecs Corporation, N.V. Methods and systems for magnetohydrodynamic power conversion. 4,847,525, 7-11-89, Cl. 310-11.000.
Sukoriansky, Semion: *See—*
  Branover, Herman; and Sukoriansky, Semion, 4,828,610, Cl. 75-10.160.
Sukow, Daniel L., to Andis Company. Hair trimmer with adjustable comb. 4,845,852, 7-11-89, Cl. 30-201.000.
Sukup, Eugene G. Apparatus for stirring grain in rectangular bin regions. 4,836,686, 6-6-89, Cl. 366-261.000.
Sukup, Eugene G. Drying bin floors. 4,841,701, 6-27-89, Cl. 52-263.000.
Sukup, Eugene G. Grain stirring apparatus. 4,854,719, 8-8-89, Cl. 366-261.000.
Sula, Stanley J., to Tektronix, Inc. Piezoelectric pulse generator. 4,853,580, 8-1-89, Cl. 310-339.000.
Sulc, Jiri; Krcova, Zuzana; and Vacik, Jiri, to Ceskoslovenska akademie ved. Method for polymerization cast molding of lenses from hydrophilic gels. 4,806,287, 2-21-89, Cl. 264-1.100.
Sulc, Jiri ; and Krcova, Zuzana, to Ceskoslovenska akademie ved. Synthetic intraocular lens swellable in swelling agent and a method for preparation thereof. 4,834,753, 5-30-89, Cl. 623-6.000.
Suld, George: *See—*
  Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,803,187, Cl. 502-200.000.
  Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,859,798, Cl. 568-399.000.
Sulecki, Joan M.: *See—*
  Doane, James R.; and Sulecki, Joan M., 4,814,994, Cl. 364-460.000.
Sulekova, Lidia S.: *See—*
  Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
Sulfochem S.p.A.: *See—*
  Petrillo, Vincenzo; Crotti, Gianpiero; and Marchello, Giovanni, 4,861,824, Cl. 524-745.000.
Sulfstede, Louis E.; Helt, Robert W.; and Jensen, Thomas E., to American Standard Inc. Refrigeration compressor driven by a DC motor. 4,856,286, 8-15-89, Cl. 62-89.000.
Sulger, Werner: *See—*
  Daltrozzo, Ewald; and Sulger, Werner, 4,876,347, Cl. 546-176.000.
Suliga, William G., to United Technologies Corporation. Fuel nozzle guide structure and retainer for a gas turbine engine. 4,870,818, 10-3-89, Cl. 60-740.000.
Sulimierski, Edmund J. Recreational boat. 4,800,832, 1-31-89, Cl. 114-352.000.
Suling, Carlhans: *See—*
  Bachem, Henning; Muszik, Janos; Schroer, Wolf-Dieter; and Suling, Carlhans, 4,857,586, Cl. 524-845.000.
  Kausch, Michael; Buysch, Hans-Josef; Schroer, Hans; and Suling, Carlhans, 4,877,825, Cl. 524-101.000.
  Lindner, Christian; Dickone, Karlfried; Suling, Carlhans; Korte, Siegfried; and Podszun, Wolfgang, 4,871,850, Cl. 544-256.000.
  Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Suling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, 4,873,289, Cl. 525-293.000.
  Ohst, Holger; Podszun, Wolfgang; Suling, Carlhans; Goossens, John; and Penners, Gunther, 4,840,989, Cl. 524-544.000.
  Reiners, Jurgen; Podszun, Wolfgang; Suling, Carlhans; and Winkel, Jens, 4,868,325, Cl. 560-115.000.
  Reiners, Jurgen; Suling, Carlhans; Podszun, Wolfgang; and Winkel, Jens, 4,870,202, Cl. 560-158.000.
  Reiners, Jurgen; Podszun, Wolfgang; Winkel, Jens; Suling, Carlhans; and Klein, Gerhard, 4,879,402, Cl. 560-26.000.
Suljak, George T.: *See—*
  Cohen, Ronald; Olesen, Ole L.; Faintani, Joseph J.; and Suljak, George T., 4,820,314, Cl. 48-94.000.
  Romanowski, William E.; and Suljak, George T., 4,800,138, Cl. 429-19.000.
  Szydlowski, Donald F.; and Suljak, George T., 4,861,347, Cl. 48-61.000.
Sullair Technology AB: *See—*
  Schibbye, Lauritz B.; and Englund, Rolf A., 4,842,501, Cl. 418-201.000.
Sullenberger, Peter C., to University of Pittsburgh. Variable aperture, variable frequency extremity coil for magnetic resonance imaging. 4,845,431, 7-4-89, Cl. 324-318.000.
Sullins, Harry P., to Richland Industries. Pipe turning apparatus. 4,799,987, 1-24-89, Cl. 156-425.000.
Sullins, Harry P., to Richland Industrial, Inc. Method for coating pipe with refractory material. 4,802,940, 2-7-89, Cl. 156-187.000.
Sullivan, Anne M.: *See—*
  Hutchins, Burleigh M.; Buote, William J.; Roe, John S.; Vollinger, Warren R.; Wagner, Susan M.; and Sullivan, Anne M., 4,835,711, Cl. 364-513.000.
Sullivan, Carole: *See—*
  Kortright, Kenneth H.; Hofheinz, David E.; Sullivan, Carole; and Toedter, Gary P., 4,888,290, Cl. 435-240.270.
Sullivan, Charles T.; and Zook, J. David, to Honeywell Inc. Real-time color comparator. 4,841,140, 6-20-89, Cl. 250-226.000.
Sullivan, Daniel A., Jr.: *See—*
  Duncan, Edward H., 4,883,398, Cl. 411-344.000.
Sullivan, Daniel F.: *See—*
  Beezer, Earl F.; and Sullivan, Daniel F., 4,813,303, Cl. 74-425.000.
Sullivan, Daniel P.; Scherman, Terrel L.; and Drew, Elmer H., to General Motors Corporation. Method and apparatus of seat assembly. 4,837,905, 6-13-89, Cl. 29-91.500.
Sullivan, Dawn M.: *See—*
  Sullivan, Gordon R.; and Sullivan, Dawn M., 4,865,200, Cl. 206-583.000.
Sullivan, Donald F., to M & T Chemicals Inc. Photoprinting process and apparatus for exposing paste consistency photopolymers. 4,888,270, 12-19-89, Cl. 430-325.000.
Sullivan, Donald K.: *See—*
  Higby, Jeffery P.; McElroy, Kennedy K., Jr.; Ferguson, Arthur R.; Bland, Gerald F.; Freitag, Michael W.; and Sullivan, Donald K., 4,850,910, Cl. 440-75.000.
Sullivan Engine Works, Inc.: *See—*
  Sullivan, Robert W.; Holder, Tommie J.; and Buchanan, Max F., 4,867,107, Cl. 123-43.00A.
Sullivan, Eric C., to Hughes Tool Co. Method for manufacturing a rotary rock bit with improved weld root geometry. 4,866,245, 9-12-89, Cl. 219-137.00R.
Sullivan, F. Ryan, to B. F. Goodrich Company, The. Coating for EMI shielding and method for making. 4,826,631, 5-2-89, Cl. 252-512.000.
Sullivan Flotation Systems, Inc.: *See—*
  Sullivan, John F., 4,867,093, Cl. 114-267.000.
Sullivan, Gordon R.; and Sullivan, Dawn M. Shipping container for fragile items. 4,865,200, 9-12-89, Cl. 206-583.000.
Sullivan, H. Frank, to Navillus, Inc. Canoe stabilizing and guide mechanism. 4,862,818, 9-5-89, Cl. 114-126.000.
Sullivan, Inc.: *See—*
  Sullivan, Marian D.; and Tschetter, Elaine A., 4,815,967, Cl. 431-295.000.
Sullivan, James B.: *See—*
  Osburn, Coy D.; and Sullivan, James B., 4,880,028, Cl. 137-315.000.
Sullivan, James C.; and Epperly, William R., to Fuel Tech, Inc. Process for the reduction of nitrogen oxides in an effluent using a hydroxy amino hydrocarbon. 4,803,059, 2-7-89, Cl. 423-235.000.
Sullivan, James C.: *See—*
  Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,822,577, Cl. 423-243.000.

  Epperly, William R.; Peter-Hoblyn, Jeremy D.; and Sullivan, James C., 4,830,839, Cl. 423-235.000.
  Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,844,878, Cl. 423-235.000.
  Epperly, William R.; Peter-Hoblyn, Jeremy D.; Shulof, George F., Jr.; Sullivan, James C.; and Sprague, Barry N., 4,863,704, Cl. 423-235.000.
  Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,863,705, Cl. 423-235.000.
  Epperly, William R.; Sullivan, James C.; and Sprague, Barry N., 4,873,066, Cl. 423-235.000.
  Epperly, William R.; O'Leary, John H.; Sullivan, James C.; and Sprague, Barry N., 4,877,590, Cl. 423-235.000.
  Epperly, William R.; and Sullivan, James C., 4,877,591, Cl. 423-235.000.
  Epperly, William R.; and Sullivan, James C., 4,888,165, Cl. 423-235.000.
Sullivan, James J., to Hewlett-Packard Company. Apparatus and method for adjusting focus of a multi-element optical detector. 4,810,091, 3-7-89, Cl. 356-326.000.
Sullivan, James J., to Hewlett-Packard Company. Spectrometer using concave holographic diffraction grating. 4,815,849, 3-28-89, Cl. 356-328.000.
Sullivan, James J.; and Dixit, Nagaraj S., to Colgate-Palmolive Company. Non-aqueous, nonionic heavy duty laundry detergent with improved stability using microsperes and/or vicinal-hydroxy compounds. 4,889,652, 12-26-89, Cl. 252-99.000.
Sullivan, James L., to Rockwell International Corporation. Self-adjusting brake actuator. 4,867,281, 9-19-89, Cl. 188-79.620.
Sullivan, James P.: *See—*
  Sremba, Gerald F.; Sremba, Patricia M.; and Sullivan, James P., 4,875,708, Cl. 281-45.000.
Sullivan, James R., to Eastman Kodak Company. Block adaptive linear predictive coding with adaptive gain and bias. 4,885,636, 12-5-89, Cl. 358-133.000.
Sullivan, James R.: *See—*
  Lucitte, Richard D.; Melnychuck, Paul W.; Murray, Joseph J.; Ray, Lawrence A.; and Sullivan, James R., 4,861,140, Cl. 350-320.000.
Sullivan, James W., to Brown & Williamson Tobacco Corporation. Adapter for a package dispensing machine. 4,865,222, 9-12-89, Cl. 221-241.000.
Sullivan, John. Condensation pan/converter tray for a fan coil unit. 4,856,672, 8-15-89, Cl. 220-82.000.
Sullivan, John: *See—*
  Waugh, Gerald; Myers, Charley; Davis, John; and Sullivan, John, 4,858,119, Cl. 364-400.000.
Sullivan, John B.; and Russell, Findlay E. Antibody purification process. 4,849,352, 7-18-89, Cl. 435-69.000.
Sullivan, John D., Jr.: *See—*
  Kingery, Charles N.; and Sullivan, John D., Jr., 4,815,385, Cl. 102-320.000.
Sullivan, John F., to Sullivan Flotation Systems, Inc. Pontoon. 4,867,093, 9-19-89, Cl. 114-267.000.
Sullivan, Leroy J., to Branscomb Corporation N.V. Ammunition round. 4,829,904, 5-16-89, Cl. 102-439.000.
Sullivan, Lloyd S. Sweatbands. 4,856,116, 8-15-89, Cl. 2-181.000.
Sullivan, Marian D.; and Tschetter, Elaine A., to Sullivan, Inc. Taper candle bar. 4,815,967, 3-28-89, Cl. 431-295.000.
Sullivan, Mark: *See—*
  Saiz, Gilbert; and Sullivan, Mark, 4,872,462, Cl. 128-842.000.
Sullivan, Mark A.: *See—*
  Barrett, Lawrence R.; Robertson, Ronald C.; and Sullivan, Mark A., 4,857,811, Cl. 318-3.000.
Sullivan, Mark P., to Chemtronics. Method and apparatus for deburring using shot. 4,848,122, 7-18-89, Cl. 72-53.000.
Sullivan, Mark W.: *See—*
  Gee, Thomas A.; and Sullivan, Mark W., 4,804,234, Cl. 303-7.000.
  Gee, Thomas A.; and Sullivan, Mark W., 4,804,237, Cl. 303-7.000.
Sullivan, Maureen A.; and Himelson, Elizabeth A. U-turn signal device. 4,866,541, 9-19-89, Cl. 340-465.000.
Sullivan, Michael C. Air ratchet holder. 4,872,633, 10-10-89, Cl. 248-340.000.
Sullivan, Michael J., to Spalding & Evenflo Companies, Inc. Golf ball core by addition of dispersing agents. 4,838,556, 6-13-89, Cl. 273-220.000.
Sullivan, Michael J., to Spalding & Evenflo Companies, Inc. Use of metal carbamate accelerator in peroxide-cured golf ball center formulation. 4,852,884, 8-1-89, Cl. 273-230.000.
Sullivan, Michael J., to Spalding & Evenflo Companies, Inc. Golf ball. 4,884,814, 12-5-89, Cl. 273-235.00R.
Sullivan, Mike: *See—*
  Lubock, Paul; and Sullivan, Mike, 4,801,015, Cl. 206-438.000.
Sullivan, Neal T.: *See—*
  Banerjee, Subrata; and Sullivan, Neal T., 4,851,264, Cl. 427-294.000.
Sullivan, Neil W.: *See—*
  Crane, Michael B.; and Sullivan, Neil W., 4,866,756, Cl. 379-88.000.
Sullivan, Patrick: *See—*
  Egly, Robert A.; and Sullivan, Patrick, 4,801,004, Cl. 206-45.130.
Sullivan, Patrick F. Spray-suppressant surface configuration. 4,796,905, 1-10-89, Cl. 280-154.50R.
Sullivan, Patrick F. Spray-suppressant surface configuration. 4,796,906, 1-10-89, Cl. 280-154.50R.
Sullivan, Patrick J.: *See—*
  Bowen, John M.; Sullivan, Patrick J.; Blanche, M. Sterling; Essington, Michael; and Noe, Lewis J., 4,802,761, Cl. 356-301.000.
Sullivan, Paul D.: *See—*
  Burrus, Gilbert S., Jr.; Cooper, Ronald J.; Marr, Michael R.; Marsico, Mario A.; Pescatore, John C.; and Sullivan, Paul D., 4,837,677, Cl. 364-200.000.
Sullivan, Paul E.: *See—*
  Kovitch, Frank J.; Reinhardt, Charles M.; and Sullivan, Paul E., 4,881,759, Cl. 285-49.000.
  Peppel, George W.; and Sullivan, Paul E., 4,846,446, Cl. 254-277.000.
Sullivan, Paul F.: *See—*
  Cronin, David V.; Guerra, John M.; Sullivan, Paul F.; Mokry Patricia A.; Clark, Peter P.; and Cocco, Vincent L., 4,843,494, Cl. 360-77.030.
Sullivan, Robert A.: *See—*
  Gerken, Kenneth F.; and Sullivan, Robert A., 4,888,702, Cl. 364-494.000.
Sullivan, Robert M.: *See—*
  Reinherz, Barry P.; and Sullivan, Robert M., 4,822,396, Cl. 65-60.700.
Sullivan, Robert W.; Holder, Tommie J.; and Buchanan, Max F., to Sullivan Engine Works, Inc. Rotary vee engine. 4,867,107, 9-19-89, Cl 123-43.00A.
Sullivan, Ronald G.: *See—*
  Ingermann, Donald E.; Caffrey, Stephen F.; DeVoe, Alan R.; Smith, Ronald L.; and Sullivan, Ronald G., 4,856,138, Cl. 15-320.000.
Sullivan, Samuel R. Clamp. 4,826,215, 5-2-89, Cl. 285-80.000.
Sullivan, Scott L. Clock apparatus. 4,852,072, 7-25-89, Cl. 368-238.000.
Sullivan Strong Scott Ltd.: *See—*
  Verne, Jean A., 4,807,662, Cl. 137-554.000.
Sullivan, Susan A.: *See—*
  Rubin, Berish Y.; Anderson, Sylvia L.; Sullivan, Susan A.; Old, Lloyd J.; Williamson, Barbara D.; and Richards, Elizabeth C., 4,870,163, Cl. 530-413.000.
Sullivan, Thomas E.; and Haydu, Juan, to Enthone, Incorporated. Process for treating plastics with alkaline permanganate solutions. 4,859,300, 8-22-89, Cl. 204-164.000.
Sullivan, Thomas F.: *See—*
  Perry, John H., Jr.; Bhatt, Bharat K.; Capps, Jesse; Eldridge, Paul M.; Greiner, Leonard; Lockyer, Robert W.; Martin, Michelle; McNeice, Raymond R.; Misiaszek, Steven M.; Perry, Stanton S.; Sullivan, Thomas F.; and Campbell, Paul G., 4,883,823, Cl. 518-702.000.
Sullivan, Thomas M.; and Coppage, Edward A., Jr. Armored glove fingers. 4,858,245, 8-22-89, Cl. 2-21.000.
Sullivan, Wayne R. Carrier for paintings. 4,881,771, 11-21-89, Cl. 294-151.000.
Sully, George R. W.: *See—*
  Smith, Michael J.; Sully, George R. W.: and Crisp, Martin, 4,854,027, Cl. 29-434.000.
Sully, Michael A.: *See—*
  Ross, Murray A.; Adams, Gordon L.; and Sully, Michael A., 4,852,659, Cl. 172-789.000.
Sulman, David L.: *See—*
  Van der Kloot, Robert H.; Walker, Ernest P.; and Sulman, David L., 4,816,750, Cl. 324-73.00R.
Sulmont, Benoit; and Paternoga, Alain, to Aluminium Pechiney. Process and apparatus for controlling solid electrolyte additions to electrolytic cells for aluminum production. 4,857,157, 8-15-89, Cl. 204-67.000.
Sulmont, Benoit: *See—*
  Basquin, Jean-Luc; and Sulmont, Benoit, 4,867,851, Cl. 204-67.000.
Sulpice, Andre: *See—*
  Deslandes, Francis; Michel, Claude; Provost, Jackie; Raveau, Bernard; Sulpice, Andre; Tholence, Jean-Louis; and Chevalier, Bernard, 4,843,059, Cl. 505-1.000.
Sulprizio, Lucelio. Casting machine. 4,815,518, 3-28-89, Cl. 164-412.000.
Sulprizio, Lucelio. Ingot form. 4,839,236, 6-13-89, Cl. 428-576.000.
Sulsky, Richard B.: *See—*
  Demers, James P.: Murray, William V.; and Sulsky, Richard B., 4,820,828, Cl. 549-362.000.
Sultan, Mahmood: *See—*
  Munter, Ernst A.; Sultan, Mahmood; and Geadah, Youssef A., 4,816,826, Cl. 340-825.520.
Sulwer, Michael T. Brake bleeder check valve. 4,869,292, 9-26-89, Cl. 137-614.170.
Sulz, Hans. Spray gun, more especially for paints. 4,834,286, 5-30-89, Cl. 239-124.000.
Sulz, Hermann: *See—*
  Heimann, Sigismund; Vescia, Michele; Bereck, Attila; Sulz, Hermann; and Steenken, Ingrid, 4,813,971, Cl. 8-575.000.
Sulzbach, Hans-Michael: *See—*
  Proksa, Ferdinand; and Sulzbach, Hans-Michael, 4,863,010, Cl. 198-626.000.
Sulzbacher, Norbert; and Heinlein, Hans-Jurgen, to U. S. Philips Corporation. Two-wire time-division multiplex method of full duplex transmission between a central station and a substation. 4,835,764, 5-30-89, Cl. 370-29.000.
Sulzberger, Kevin J., to TUI Industries. Shell and tube heat exchanger. 4,858,681, 8-22-89, Cl. 165-70.000.
Sulzberger, Kevin J., to TUI Industries. Method of manufacturing high efficiency heat exchange tube. 4,870,734, 10-3-89, Cl. 29-157.30R.

- Sulzberger, Kevin J., to Tui Industries. Shell and tube heat exchanger. 4,871,014, 10-3-89, Cl. 165-76.000.
- Sulzer Brothers Limited: *See—*
  - Bosshard, Ernst, 4,866,281, Cl. 250-453.100.
  - Bucher, Robert, 4,799,517, Cl. 139-452.000.
  - Bucher, Robert; and Lincke, Paul, 4,811,762, Cl. 139-452.000.
  - Egloff, Anton; Kohler, Lothar; and Bianchi, Franco, 4,807,670, Cl. 139-448.000.
  - Ehrsam, Christian; and Ruegg, Thomas, 4,801,379, Cl. 210-498.000.
  - Ehrsam, Christian, 4,812,236, Cl. 210-490.000.
  - Frey, Otto; and Semlitsch, Manfred, 4,800,639, Cl. 29-421.100.
  - Frey, Otto; and Koch, Rudolf, 4,883,492, Cl. 623-23.000.
  - Fricker, Hans, 4,813,225, Cl. 59-84.000.
  - Gacsay, Lorant; and Meierhofer, Beat, 4,875,506, Cl. 139-450.000.
  - Geisseler, Max, 4,798,930, Cl. 219-76.120.
  - Gorris, Joannes, 4,850,400, Cl. 139-452.000.
  - Griffith, John D., 4,799,516, Cl. 139-435.000.
  - Griss, Peter, 4,828,566, Cl. 623-23.000.
  - Hamer, Antonius, 4,850,401, Cl. 139-452.000.
  - Hamer, Antonius; and Spang, Gerardus, 4,852,617, Cl. 139-452.000.
  - Horber, Willi, 4,888,020, Cl. 623-20.000.
  - Hugo, Schilling; and Veith, Gunter, 4,871,124, Cl. 242-56.00R.
  - Kunzli, Albert; and Schutz, Kurt, 4,812,618, Cl. 219-288.000.
  - Kunzli, Albert; and Schutz, Kurt, 4,812,619, Cl. 219-288.000.
  - Mansat, Christian, 4,863,471, Cl. 623-13.000.
  - Martin, Patrick G., 4,843,993, Cl. 114-125.000.
  - Michels, Christoph, 4,855,089, Cl. 261-97.000.
  - Muller, Maurice E., 4,813,960, Cl. 623-22.000.
  - Peter, Hans, 4,817,676, Cl. 139-57.000.
  - Pfarrwaller, Erwin, 4,846,232, Cl. 139-439.000.
  - Pfarrwaller, Erwin, 4,883,098, Cl. 139-439.000.
  - Quack, Hans; and Angelini, Antonio, 4,884,409, Cl. 62-51.100.
  - Riesen, Peter; and Gruber, Walter, 4,832,089, Cl. 139-185.000.
  - Riesen, Peter, 4,872,487, Cl. 139-185.000.
  - Siegl, Walter, 4,881,404, Cl. 73-119.00A.
  - Snijders, Willibrordus M., 4,850,544, Cl. 242-47.010.
  - Spotorno, Lorenzo; and Frey, Otto, 4,834,759, Cl. 623-22.000.
  - Steiger, Anton, 4,825,842, Cl. 123-575.000.
  - Steiger, Anton, 4,827,975, Cl. 137-537.000.
  - Steiger, Anton, 4,834,055, Cl. 123-575.000.
  - Stuhmer, Karl-Gerhart; Frey, Otto; and Koch, Rudolf, 4,795,466, Cl. 623-13.000.
  - Stuhmer, Karl-Gerhart, 4,822,367, Cl. 623-22.000.
  - Svoboda, Cenek, 4,825,654, Cl. 60-665.000.
  - Turina, Marko; and Bittmann, Peter, 4,804,381, Cl. 623-1.000.
  - Turina, Marko; and Bittmann, Peter, 4,804,382, Cl. 623-1.000.
  - van Mullekom, Hubert P., 4,887,649, Cl. 139-450.000.
  - Wagner, Heinz, 4,871,368, Cl. 623-22.000.
  - Ziemann, Edeltraud; and Ziemann, Andreas, 4,854,716, Cl. 366-139.000.
  - Zollinger, Hans; and Oderbolz, Fredi, 4,852,618, Cl. 139-453.000.
  - Zollinger, Hans, 4,865,082, Cl. 139-309.000.
- Sulzer-Escher Wyss AG: *See—*
  - Biondetti, Mario; and Stotz, Wolf-Gunter, 4,864,703, Cl. 29-116.100.
  - Bondetti, Mario, 4,815,183, Cl. 29-116.200.
  - Buhlmann, Eugen T.; Biondetti, Mario; and Stotz, Wolf-Gunter, 4,858,292, Cl. 29-116.200.
  - Hoppe, Bernd, 4.889,627, Cl. 210-360.200.
  - Link, Christoph; and Brandiser, Herbert, 4,856,156, Cl. 29-115.000.
  - Winkler, Robert; Sala, Siro; Kobayashi, Yakayuki; and Yokota, Shinjiro, 4,830,707, Cl. 159-47.100.
- Sulzer-Escher Wyss GmbH: *See—*
  - Hildebrand, Otto, 4,824,524, Cl. 162-343.000.
  - Sepke, Paul-Wilhelm, 4,819,881, Cl. 241-88.100.
  - Stotz, Wolf-Gunter, 4,823,690, Cl. 100-163.00A.
  - Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, 4,888,094, Cl. 162-198.000.
- Sulzer, Gerd, to Liebherr-Verzahntechnik GmbH. Method for machining gearwheels. 4,850,155, 7-25-89, Cl. 51-287.000.
- Sulzer, James H., to Leggett & Platt, Incorporated. Knee-action chair control. 4,889,384, 12-26-89, Cl. 297-302.000.
- Sulzer Morat GmbH: *See—*
  - Elsasser, Martin; and Schaberle, Erwin, 4,798,064, Cl. 66-57.000.
- Sum, Phaik E.: *See—*
  - Wissner, Allan; Sum, Phaik E.; and Schaub, Robert E., 4,883,816, Cl. 514-546.000.
- Sumal, Jaihind S., to Robert Bosch GmbH. Apparatus for measuring the mass of a flowing medium and method for producing an apparatus for measuring the mass of a flowing medium. 4,826,328, 5-2-89, Cl. 374-138.000.
- Suman, Michael J.: *See—*
  - Clark, Russell L.; Van Order, Kim L.; Suman, Michael J.; and Zandbergen, Todd A., 4,879,637, Cl. 362-141.000.
- Sumday Enterprises, Inc.: *See—*
  - Siqveland, Thomas T., 4,805,240, Cl. 2-54.000.
- Sumeg nee Zukovics, Katalin: *See—*
  - Petocz, Lujza; Simonyi, Istvan; Beck, Ivan; Gigler, Gabor; Fekete, Marton; Kiszelly, Eniko ; Mandi, Attila; Gorgenyi, Frigyes; Dietz, Andras; Sumeg nee Zukovics, Katalin; and Jakfalvi, Elemer, 4,873,249, Cl. 514-275.000.
- Sumen, Hiroyoshi: *See—*
  - Hara, Hitoshi; and Sumen, Hiroyoshi, 4,875,845, Cl. 425-143.000.
- Sumerau, William R., to Ryobi Motor Products Corp. Auxiliary attachment adaptor and vacuum cleaner for use therewith. 4,811,452, 3-14-89, Cl. 15-337.000.
- Sumerau, William R.: *See—*
  - Herron, Roy H., Jr.; and Sumerau, William R., 4,864,683, Cl. 15-412.000.
- Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, to Canon Kabushiki Kaisha; and Canon Denshi Kabushiki Kaisha. Motor. 4,806,813, 2-21-89, Cl. 310-254.000.
- Sumi, Shigeo, to Somar Corporation. Film peeling apparatus having film end detector. 4,798,646, 1-17-89, Cl. 156-364.000.
- Sumi, Shigeo: *See—*
  - Hamamura, Fumio; and Sumi, Shigeo, 4,867,836, Cl. 156-584.000.
  - Matsuo, Takao; and Sumi, Shigeo, 4,828,247, Cl. 271-240.000.
  - Matsuo, Takao; and Sumi, Shigeo, 4,842,672, Cl. 156-497.000.
  - Matsuo, Takao; and Sumi, Shigeo, 4,858,911, Cl. 271-240.000.
  - Matsuo, Takao; Hamamura, Fumio; and Sumi, Shigeo, 4,880,488, Cl. 156-344.000.
- Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, to Somar Corporation. Laminator. 4,844,772, 7-4-89, Cl. 156-497.000.
- Sumi, Sigeo, to Somar Corporation. Pull-raising member and pull-raising unit for peeling thin film. 4,855,012, 8-8-89, Cl. 156-584.000.
- Sumi, Sigeo, to Somar Corporation. End sensor. 4,862,064, 8-29-89, Cl. 324-65.00P.
- Sumi, Sigeo; Hamamura, Fumio; Fukuda, Ichio; Seki, Mitsuhiro; and Sawada, Noriyasu, to Somar Corporation. Laminator. 4,885,048, 12-5-89, Cl. 156-552.000.
- Sumi, Sigeo, to Somar Corporation. Projected press device for raising film. 4,888,080, 12-19-89, Cl. 156-344.000.
- Sumi, Sigeo; Hamamura, Fumio; and Fukuda, Ichio, to Somar Corporation. Laminator. 4,888,083, 12-19-89, Cl. 156-521.000.
- Sumi, Sigeo: *See—*
  - Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, 4,864,418, Cl. 358-296.000.
  - Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, 4,874,282, Cl. 414-416.000.
  - Seki, Mitsuhiro; Sumi, Sigeo; and Hamamura, Fumio, 4,867,837, Cl. 156-584.000.
- Sumi, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Pseudo static random access memory employing dynamic memory cells. 4,872,143, 10-3-89, Cl. 365-233.500.
- Sumi, Tatsuo: *See—*
  - Kakumoto, Shigeru; Sumi, Tatsuo; and Kurisu, Tetsuo, 4,841,443, Cl. 364-413.010.
- Sumida, Hideki: *See—*
  - Shishido, Hideomi; Doi, Shigeo; Sumida, Hideki; and Tanaka, Masayuki, 4,856,781, Cl. 273-65.00E.
- Sumida, Hiroyasu, to Ricoh Company, Ltd. Copy information output device for a copier. 4,851,878, 7-25-89, Cl. 355-204.000.
- Sumida, Hiroyasu, to Ricoh Company, Ltd. Device for setting operation modes of office equipment. 4,881,101, 11-14-89, Cl. 355-204.000.
- Sumida, Isao: *See—*
  - Akiyama, Takao; Ito, Tetsuo; and Sumida, Isao, 4,879,087, Cl. 376-216.000.
  - Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.
- Sumida, Joe T.: *See—*
  - Davarian, Faramaz; and Sumida, Joe T., 4,812,786, Cl. 332-16.00R.
- Sumida, Kiyomi: *See—*
  - Kawano, Tamenori; Nakazawa, Atsushi; Sumida, Kiyomi; and Nagano, Takasi, 4,848,212, Cl. 92-158.000.
- Sumida, Mamoru: *See—*
  - Matsumoto, Osamu; Sumida, Mamoru; and Moriguchi, Teruhiko, 4,866,981, Cl. 73-118.100.
  - Matsumoto, Osamu; Sumida, Mamoru; and Maehara, Hirokazu, 4,880,207, Cl. 251-337.000.
- Sumida, Masatoyo: *See—*
  - Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.
- Sumida, Shigekazu: *See—*
  - Arabori, Yoshinari; and Sumida, Shigekazu, 4,870,254, Cl. 219-400.000.
- Sumida, Shuji: *See—*
  - Iida, Yoshimitsu; Terazono, Takashi; and Sumida, Shuji, 4,803,213, Cl. 514-355.000.
  - Iida, Yoshimitsu; and Sumida, Shuji, 4,822,808, Cl. 514-355.000.
- Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, to Mita Industrial Co., Ltd. Sheet feeding mechanism. 4,815,724, 3-28-89, Cl. 271-121.000.
- Sumihiro, Naotaka, to NEC Corporation. Electronically programmable and erasable memory device having floating gate electrode with a unique distribution of impurity concentration. 4,812,898, 3-14-89, Cl. 357-23.500.
- Sumii, Yoshiyuki; and Toda, Sumio, to Japan Vilene Company, Ltd. Interior material for cars. 4,830,900, 5-16-89, Cl. 428-195.000.
- Sumikama, Yoshimitsu; and Aramaki, Yoshihiro, to Sharp Kabushiki Kaisha. Mounting assembly for cooking appliances. 4,824,061, 4-25-89, Cl. 248-225.200.
- Sumikawa, Noburoh; and Fujimura, Masaki, to Yamaha Corporation. Golf club head. 4,867,458, 9-19-89, Cl. 273-171.000.
- Sumikawa, Seiji; Takayama, Hidehiko; Suzuki, Yoshio; and Ono, Mitsuya, to Diesel Kiki Co., Ltd. Sliding-vane rotary compressor. 4,830,590, 5-16-89, Cl. 418-96.000.
- Sumikawa, Takeshi: *See—*
  - Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.
  - Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.
- Sumimoto Chemical Co., Ltd.: *See—*
  - Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,801,650, Cl. 525-194.000.
- Sumimoto Electric Industries, Ltd.: *See—*
  - Fujimori, Naoji; Harada, Keizo; Yazu, Shuji; and Jodai, Tetsuji, 4,866,032, Cl. 505-1.000.
  - Onishi, Keiichi, 4,854,835, Cl. 417-435.000.
- Sumimoto Metal Industries, Ltd.: *See—*
  - Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
- Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, to Shionogi & Co., Ltd. Polyfluoroalkylisoxazolylamines. 4,797,492, 1-10-89, Cl. 548-245.000.
- Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, to Shionogi & Co., Ltd. 3-perfluoroalkyl-5-substituted-oxy-isoxazole derivatives, process for preparing the same, and herbicides containing the same. 4,888,044, 12-19-89, Cl. 71-88.000.
- Sumimoto, Takashi; Hirochika, Takashi; Imanishi, Hideki; and Kubo, Kazuo, to Mazda Motor Corporation. Vibration-proof apparatus for a vehicle. 4,815,556, 3-28-89, Cl. 180-311.000.
- Sumina, Ikuo: *See—*
  - Watanabe, Takashi; and Sumina, Ikuo, 4,816,071, Cl. 106-18.340.
- Sumino, Yasuhiro: *See—*
  - Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.
- Suminoe Orimono Kabushiki Kaisha: *See—*
  - Itoh, Sigeki; and Yoneda, Kiyoshi, 4,831,948, Cl. 112-80.430.
- Suminoe, Taro: *See—*
  - Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-245.000.
- Sumioka, Tsutomu: *See—*
  - Sasada, Shigeru; Yamamoto, Masahiro; Shimizu, Yoshio; and Sumioka, Tsutomu, 4,797,711, Cl. 355-32.000.
- Sumita, Hiroshi: *See—*
  - Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.
- Sumita, Masaki: *See—*
  - Miyake, Norihisa; and Sumita, Masaki, 4,887,222, Cl. 364-513.000.
- Sumita Optical Glass Mfg. Co., Ltd.: *See—*
  - Sawanobori, Naruhito; Nagahama, Shinobu; and Baba, Nobuyoshi, 4,808,556, Cl. 501-44.000.
- Sumitani, Hiroaki: *See—*
  - Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomoda, Toshimasa; Sato, Fumihide; and Kusano, Kenji, 4,841,489, Cl. 367-7.000.
- Sumitani, Jiro: *See—*
  - Kanno, Yoshiaki; Nakamoto, Katsuya; and Sumitani, Jiro, 4,805,577, Cl. 123-488.000.
  - Kanno, Yoshiaki; and Sumitani, Jiro, 4,864,995, Cl. 123-422.000.
- Sumitani, Shigeto; Noguchi, Haruo; and Araya, Hiroyuki, to Kabushiki Kaisha Toshiba. Refrigerant-heating type heating apparatus. 4,802,529, 2-7-89, Cl. 165-29.000.
- Sumitani, Toshihiko; and Natsuhara, Akira, to Sharp Kabushiki Kaisha. Electronic calculator having means for directly inputting variables into a prestored and displayed equation. 4,811,257, 3-7-89, Cl. 364-709.010.
- Sumitomo Chemical Company, Limited: *See—*
  - Kojimoto, Susumu; Nii, Fumio; and Mori, Toshio, 4,802,305, Cl. 47-57.600.
- Sumitomo Electric Industries, Ltd.: *See—*
  - Nakai, Tetsuo; Yazu, Syuzi; Asai, Keizo; and Kumazawa, Yoshiaki, 4,828,611, Cl. 75-237.000.
- Sumito, Mitsuo: *See—*
  - Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.
- Sumitomo Bakelite Company Limited: *See—*
  - Akamine, Akinori, 4,851,351, Cl. 435-296.000.
  - Hoshi, Kazuo; and Nakagawa, Yasuo, 4,801,639, Cl. 524-112.000.
  - Idemoto, Morito; and Noguchi, Yasuo, 4,832,683, Cl. 604-22.000.
  - Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igarashi, Akira; and Kawaguchi, Nobuhisa, 4,814,231, Cl. 428-425.500.
  - Onohara, Masayuki; Kawai, Kenji; Shibata, Masaru; Igaras, Akira; and Kawaguch, Nobuhisa, 4,834,721, Cl. 604-266.000.
  - Sato, Toru; Matsuda, Atsuya; Shibata, Masaru; and Onohara, Masayuki, 4,837,047, Cl. 422-41.000.
  - Yoshimoto, Mamoru, 4,865,217, Cl. 220-359.000.
- Sumitomo Bayer Urethane Co., Ltd: *See—*
  - Weigand, Eckehard; Kihara, Yoshinori; and Honda, Masaru, 4,853,417, Cl. 521-131.000.
- Sumitomo Cement Co., Ltd.: *See—*
  - Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.
- Sumitomo Chemical Company: *See—*
  - Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,868,276, Cl. 528-215.000.
- Sumitomo Chemical Company, Limited: *See—*
  - Arai, Kenji; Morita, Kouichi; Mito, Nobuaki; and Hirata, Naonori, 4,888,042, Cl. 71-88.000.
  - Doi, Toshiki; Shinonaga, Hideo; and Kuribayashi, Hideyuki, 4,816,340, Cl. 428-424.800.
  - Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
  - Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,877,444, Cl. 71-92.000.
  - Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,885,024, Cl. 71-92.000.
  - Enomoto, Masayuki; Nagano, Eiki; Haga, Toru; Morita, Kouichi; and Sato, Ryo, 4,888,045, Cl. 71-90.000.
  - Fujita, Taira; Hayashi, Yoshiaki; and Okayasu, Hiroshi, 4,804,417, Cl. 106-498.000.
  - Fujita, Tsutomu; Togawa, Yoshiaki; Yasui, Seimei; and Kikuchi, Toshitsugu, 4,870,429, Cl. 346-137.000.
  - Fukui, Yoshiharu; Kuroda, Kazuhisa; Ishii, Tamaki; and Sasaki, Manji, 4,839,408, Cl. 524-100.000.
  - Fukui, Yoshiharu, 4,855,327, Cl. 521-58.000.
  - Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, 4,863,829, Cl. 430-192.000.
  - Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,820,333, Cl. 71-90.000.
  - Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,824,465, Cl. 71-90.000.
  - Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,828,605, Cl. 71-90.000.
  - Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,149, Cl. 548-159.000.
  - Haga, Toru; Nagano, Eiki; Morita, Kouichi; and Sato, Ryo, 4,831,150, Cl. 548-159.000.
  - Haga, Toru; Nagano, Eiki; Sato, Ryo; and Morita, Kouichi, 4,888,428, Cl. 548-165.000.
  - Hama, Masaaki; Watanabe, Keiichirou; and Ishimaru, Hiroshi, 4,818,559, Cl. 427-2.000.
  - Hamma, Noritaka; Saito, Yoshikazu; Nishizawa, Toshio; and Katsumata, Takashi, 4,853,378, Cl. 514-167.000.
  - Harada, Naoki; Miyamoto, Tetsuya; Imada, Kunihiko; and Omura, Takashi, 4,880,434, Cl. 8-549.000.
  - Hashimoto, Kiyoyasu; Omura, Takashi; Suzuki, Yasuyuki; and Hayashi, Yoshiaki, 4,833,123, Cl. 503-227.000.
  - Ikeda, Takaharu; Tada, Kazuhiro; and Morino, Haruki, 4,814,460, Cl. 548-262.000.
  - Ikeda, Takaharu; and Tada, Kazuhiro, 4,814,461, Cl. 548-262.000.
  - Ikeou, Shinei; Tokieda, Takemi; Yamauchi, Noriaki; Imada, Kunihiko; and Kayane, Yutaka, 4,832,698, Cl. 8-527.000.
  - Imai, Shozaburo; Isobe, Michihisa; Yokoo, Kazuhiro; and Matsuura, Hideaki, 4,812,345, Cl. 428-65.000.
  - Inoue, Yasuhiko; Matsuda, Masaaki; and Akiyoshi, Yoshirou, 4,797,264, Cl. 423-7.000.
  - Ishii, Tamaki; Yachigo, Shinichi; Okita, Taisuke; Sasaki, Manji; and Ebina, Chinehito, 4,829,112, Cl. 524-108.000.
  - Ito, Iko; Toyoshima, Yoshiki; Takagishi, Hisao; and Takahashi, Tsutomu, 4,876,371, Cl. 549-517.000.
  - Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki; and Kurimoto, Isao, 4,866,101, Cl. 521-95.000.
  - Kadokura, Hidekimi; Sawara, Kenichi; and Yako, Tadaaki, 4,797,500, Cl. 556-1.000.
  - Kadokura, Hidekimi; and Saegusa, Kunio, 4,882,143, Cl. 424-59.000.
  - Kakisawa, Hiroshi; Kusumi, Takenori; and Ohno, Nobuo, 4,840,658, Cl. 71-67.000.
  - Kakugo, Masahiro; and Ima, Seiichiro, 4,839,234, Cl. 428-349.000.
  - Kamaya, Kazuo; and Takisawa, Yukihisa, 4,822,898, Cl. 549-317.000.
  - Kaneoya, Tatsuo; and Okamura, Haruki, 4,851,551, Cl. 549-335.000.
  - Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,837,286, Cl. 526-217.000.
  - Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,859,750, Cl. 526-135.000.
  - Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,885,125, Cl. 264-328.600.
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, 4,868,178, Cl. 514-241.000.
  - Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita, Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.
  - Kawamura, Shinichi; Sanemitsu, Yuzuru; Hamada, Tatsuhiro; and Yoshida, Ryo, 4,849,011, Cl. 71-94.000.
  - Kayane, Yutaka; Omura, Takashi; Tezuka, Yasuo; and Sone, Hideharu, 4,841,027, Cl. 534-599.000.
  - Kayane, Yutaka; Otake, Katsumasa; and Tezuka, Yasuo, 4,841,031, Cl. 534-638.000.
  - Kayane, Yutaka; Sawamoto, Hirokazu; Omura, Takashi; Harada, Naoki; and Takeshita, Akira, 4,843,149, Cl. 534-632.000.

Kisida, Hirosi; Nishida, Sumio; and Hatakoshi, Makoto, 4,847,259, Cl. 514-274.000.

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; Kume, Takanori; Negawa, Hideo; and Ikeda, Tsuneta, 4,826,729, Cl. 428-411.100.

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Nakatsuji, Yoshihiro, 4,828,345, Cl. 350-1.600.

Kitamura, Shuji; Nakae, Kiyohiko; Kotani, Kozo; and Kume, Takanori, 4,829,096, Cl. 521-79.000.

Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-456.000.

Kobayashi, Masanori; Matsuura, Isao; Wakatsuki, Akira; and Shida, Yu, 4,861,816, Cl. 524-204.000.

Kohama, Takuji; Minagawa, Fumiyasu; Shinjo, Goro; Tsuda, Shigenori; and Maeda, Kazuyuki, 4,834,977, Cl. 424-405.000.

Kohsaka, Hideo; and Ose, Yoshihiko, 4,827,020, Cl. 560-159.000.

Kondo, Michitada; Minai, Masayoshi; Kai, Seiichi; Higashii, Takayuki; and Ueda, Yuji, 4,812,585, Cl. 549-483.000.

Kurimoto, Isao; Yamamoto, Hiroki; and Yamaguchi, Tetsuo, 4,885,322, Cl. 524-82.000.

Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.

Maeda, Hideo; and Nishio, Ken-ichi, 4,847,167, Cl. 428-614.000.

Manable, Koichi; Naka, Mitsumura; and Futamura, Mitsushi, 4,882,042, Cl. 209-138.000.

Mashita, Kentaro; Nambu, Jinsho; and Ishii, Shoji, 4,849,476, Cl. 525-183.000.

Masui, Syohei; Matsumoto, Masahito; and Usui, Nobuhiro, 4,873,041, Cl. 264-135.000.

Meki, Naoto; and Takano, Hirotaka, 4,837,236, Cl. 514-233.800.

Mitsuno, Tatsuyuki; Shinonaga, Hideo; and Daimon, Akio, 4,868,226, Cl. 523-212.000.

Miura, Yashuhiro; and Iwata, Hiromu, 4,821,576, Cl. 73-788.000.

Mizutani, Masato; Shiroshita, Masao; Sakaki, Masaharu; Okuda, Hiroki; and Mito, Nobuaki, 4,875,924, Cl. 71-92.000.

Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; and Omura, Takashi, 4,837,310, Cl. 534-638.000

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,032, Cl. 534-642.000.

Morimitsu, Toshihiko; Kikkawa, Sadanobu; Harada, Naoki; and Omura, Takashi, 4,841,033, Cl. 534-642.000.

Morimitsu, Toshihiko; Harada, Naoki; and Omura, Takashi, 4,879,372, Cl. 534-618.000.

Nagano, Eiki; Yoshida, Ryo; Matsumoto, Hiroshi; Hashimoto, Shunichi; and Kamoshita, Katsuzo, 4,801,408, Cl. 260-508.000.

Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,826,533, Cl. 71-96.000.

Nagano, Eiki; Takemoto, Ichiki; Fukushima, Masayuki; Yoshida, Ryo; and Matsumoto, Hiroshi, 4,835,286, Cl. 548-369.000.

Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,835,324, Cl. 568-709.000.

Nagano, Eiki; Haga, Toru; Sato, Ryo; and Morita, Kouichi, 4,880,925, Cl. 544-105.000.

Nagano, Eiki; Hashimoto, Shunichi; Yoshida, Ryo; Matsumoto, Hiroshi; and Kamoshita, Katsuzo, 4,881,970, Cl. 71-96.000.

Nagasaki, Hideo; and Takemoto, Yasuzi, 4,803,250, Cl. 525-329.300.

Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.

Nakagawa, Takashi; Yagisita, Sigelu; and Fukuyama, Masahiro, 4,882,388, Cl. 525-208.000.

Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, 4,821,753, Cl. 134-59.000.

Nakatani, Mitsuhisa; and Nishio, Ken-ichi, 4,839,238, Cl. 428-614.000.

Nakatsuka, Iwao; Okuno, Masami; Shiba, Kunio; and Yoshitake, Akira, 4,885,152, Cl. 424-1.100.

Nakayama, Koji; Yoshida, Ryo; and Morita, Kouichi, 4,810,271, Cl. 71-92.000.

Nishida, Sumio; Matsuo, Noritada; Hatakoshi, Makoto; and Kisida, Hirosi, 4,879,292, Cl. 514-241.000.

Nishikuri, Masao; Hashimoto, Kiyoyasu; and Hattori, Hideo, 4,826,505, Cl. 8-688.000.

Nishio, Taichi; Sanada, Takashi; and Okada, Takayuki, 4,801,645, Cl. 525-68.000.

Niwano, Masahiro; and Manabe, Kenji, 4,845,142, Cl. 524-287.000.

Ohmae, Tadayuki; Mashita, Kentaro; Yamaguchi, Noboru; Asao, Kouichiro; Tanaka, Hisao; and Sakurai, Tadashi, 4,831,095, Cl. 526-307.000.

Ohmae, Tadayuki; Sakurai, Tadashi; and Asao, Kouichiro, 4,840,847, Cl. 428-373.000.

Ohmae, Tadayuki; Sakurai, Tadashi; Yamaguchi, Noboru; Okada, Mitsuyuki; and Asao, Kouichiro, 4,859,710, Cl. 521-55.000.

Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.

Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.

Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.

Okada, Toyokazu; Higashi, Koji; and Taguchi, Satoshi, 4,802,745, Cl. 350-397.000.

Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, 4,803,014, Cl. 252-585.000.

Okumura, Takuzo; Okada, Toyokazu; and Kikui, Hitoshi, 4,859,039, Cl. 350-398.000.

Omura, Takashi; and Yokogawa, Kazufumi, 4,812,558, Cl. 534-618.000.

Omura, Takashi; Kikkawa, Sadanobu; Morimitsu, Toshihiko; Harada, Naoki; and Miyamoto, Tetsuya, 4,873,321, Cl. 534-642.000.

Saegusa, Kunio, 4,882,133, Cl. 423-335.000.

Saita, Kenji; and Saegusa, Kunio, 4,842,848, Cl. 424-63.000.

Saito, Teruo; Asai, Kuniaki; and Suzuki, Yasurou, 4,804,697, Cl. 524-80.000.

Saito, Teruo; Hayashida, Haruo; and Hieda, Kazuo, 4,820,761, Cl. 524-456.000.

Saito, Yasuhisa; Kamio, Kunimasa; Kanagawa, Shuichi; and Shiomi, Yutaka, 4,808,717, Cl. 544-219.000.

Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.

Saito, Yasuhisa; Kanagawa, Shuichi; Watanabe, Katsuya; and Kamio, Kunimasa. 4,871,832, Cl. 528-353.000.

Sasaki, Manji; Ebina, Chinehito; Okamura, Haruki; Yachigo, Shinichi; and Ishii, Tamaki, 4,845,244, Cl. 549-335.000.

Sasaki, Toshio; Ebera, Takeshi; Kawai, Kiyoshi; and Shiga, Akinobu, 4,806,433, Cl. 502-115.000.

Sawamoto, Hirokazu; Omura, Takashi; and Harada, Naoki, 4,841,048, Cl. 544-74.000.

Sekiguchi, Tadao; Sawa, Utaji; and Wada, Kazunori, 4,869,787, Cl. 204-1.00T.

Shiga, Akinobu; Kakugo, Masahiro; Sadatoshi, Hajime; Kora, Hiroyuki; Sasaki, Toshio; Kojima, Junpei; Wakamatsu, Kazuki; and Kawamata, Syozo, 4,820,775, Cl. 525-247.000.

Shiga, Shujiro; Nagata, Hideo; and Shigeoka, Kenichiro, 4,801,371, Cl. 204-418.000.

Shirafuji, Tamio; and Kawata, Itaru, 4,849,550, Cl. 568-899.000.

Shirafuji, Tamio; and Kawata, Itaru, 4,849,551, Cl. 568-913.000.

Shirafuji, Tamio; and Sakai, Kiyomi, 4,879,422, Cl. 568-835.000.

Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.

Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, 4,871,501, Cl. 264-211.220.

Suzukamo, Gohfu; Fukao, Masami; and Sakito, Yoji, 4,812,264, Cl. 260-544.00L.

Suzukamo, Gohfu; Sakito, Yoji; and Fukao, Masami, 4,820,864, Cl. 560-124.000.

Suzukamo, Gohfu; and Fukao, Masami, 4,822,764, Cl. 502-344.000.

Suzukamo, Gohfu; and Fukao, Masami, 4,877,918, Cl. 585-664.000.

Suzukamo, Gohfu; and Fukao, Masami, 4,879,429, Cl. 585-670.000.

Taguchi, Satoshi; and Tanaka, Toshihiko, 4,816,383, Cl. 430-322.000.

Taguchi, Satoshi; and Utsumi, Wataru, 4,842,665, Cl. 156-155.000.

Takahashi, Junya; and Nakamura, Shigeko, 4,870,064, Cl. 514-115.000.

Takano, Hirotaka, 4,835,170, Cl. 514-383.000.

Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, 4,812,527, Cl. 525-250.000.

Takao, Hiroyoshi; Tanimoto, Yoshio; Ikeda, Kiyosi; and Fukuyama, Masahiro, 4,820,774, Cl. 525-208.000.

Takao, Hiroyoshi; Imai, Akio; and Seki, Tomoaki, 4,885,338, Cl. 525-77.000.

Takao, Hiroyoshi; Tanimoto, Yoshio; and Ikeda, Kiyosi, 4,889,801, Cl. 524-91.000.

Takemoto, Ichiki, 4,803,270, Cl. 544-105.000.

Tanaka, Shigeo; Sakai, Jiro; Fukao, Tomohisa; Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,883,842, Cl. 525-240.000.

Tatsukami, Yoshiharu; Doi, Toshiki; and Oka, Masahiko, 4,812,011, Cl. 350-96.340.

Tatsukami, Yoshiharu; Inoue, Masakazu; Asai, Kuniaki; and Hieda, Kazuo, 4,843,113, Cl. 524-425.000.

Tomioka, Hiroki; Ooishi, Tadashi; and Hirata, Naonori, 4,843,090, Cl. 514-388.000.

Tsuda, Shigenori; Manabe, Yukio; and Tsuji, Kozo, 4,871,766, Cl. 514-521.000.

Tsushima, Kazunori; Matsuo, Noritada; Tanabe, Yoo; Yano, Toshihiko; and Hirano, Masachika, 4,840,971, Cl. 514-721.000.

Ueda, Shigeharu; Ikuta, Kazuyoshi; Kato, Shiro; and Uchida, Tsuyoshi, 4,867,976, Cl. 424-92.000.

Watanabe, Katsuyoshi; Miyaoka, Takashi; and Oyamada, Takeo, 4,847,143, Cl. 428-288.000.

Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio, 4,808,484, Cl. 428-522.000.

Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, 4,880,796, Cl. 514-206.000.

Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shiro; and Takei, Yasuharu, 4,874,787, Cl. 514-531.125.

Yamauchi, Noriaki; Ikeou, Shinnei; and Imada, Kunihiko, 4,834,771, Cl. 8-527.000.

Yamauchi, Noriaki; Imada, Kunihiko; and Kayano, Yutaka, 4,842,614, Cl. 8-564.000.

Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.

Yokogawa, Kazufumi; Yamauchi, Noriaki; and Omura, Takashi, 4,824,942, Cl. 534-642.000.

Yokogawa, Kazufumi; Harada, Naoki; and Omura, Takashi, 4,880,431, Cl. 8-549.000.

Yoshida, Nobuyuki; Imai, Akio; and Seki, Tomoaki, 4,845,173, Cl. 525-272.000.

Sumitomo Chemical Engineering Co., Ltd.: *See—*

Nakamura, Hideo; Miura, Toshiharu; and Kikkawa, Kazuhiro, 4,821,753, Cl. 134-59.000.

Sumitomo Corporation: *See—*

Kaga, Kikuo, 4,795,263, Cl. 366-8.000.

Sumitomo Durez Company, Ltd.: *See—*

Saeki, Yukio; Nishimura, Toshiaki; and Ikeda, Kozuichi, 4,870,154, Cl. 528-145.000.

Sumitomo Electric Fiber Optics Corporation: *See—*

Buckland, Eric L.; and Nishimura, Masayuki, 4,838,690, Cl. 356-73.100.

Sumitomo Electric Industries, Ltd.: *See—*

Akechi, Kiyoaki, 4,838,936, Cl. 75-249.000.

Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.

Cho, Yoshio; and Kanda, Masahiko, 4,832,035, Cl. 128-633.000.

Everett, James W., 4,804,291, Cl. 403-287.000.

Fujii, Satoshi, 4,840,665, Cl. 75-241.000.

Fujii, Satoshi, 4,885,133, Cl. 419-29.000.

Fujimori, Naoji; and Imai, Takahiro, 4,849,290, Cl. 428-408.000.

Fujioka, Hideaki; and Takata, Koji, 4,823,269, Cl. 364-426.030.

Fujioka, Hideaki; and Takata, Koji, 4,875,171, Cl. 364-508.000.

Fukuma, Masumi; and Akasaka, Nobuhiro, 4,802,732, Cl. 350-96.230.

Hara, Akio; and Yamamura, Akihiko, 4,861,673, Cl. 428-469.000.

Hata, Ryosuke, 4,817,259, Cl. 29-424.000.

Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, 4,859,804, Cl. 174-25.00R.

Hayashi, Hideki, 4,815,087, Cl. 372-45.000.

Hiramoto, Jun-ichi; and Tsuno, Koichi, 4,826,280, Cl. 350-96.260.

Ikegaya, Akihiko; and Tobioka, Masaaki, 4,859,490, Cl. 427-38.000.

Imai, Takahiro; and Fujimori, Naoji, 4,863,529, Cl. 148-33.400.

Inoue, Akira; and Hattori, Yasuji, 4,882,497, Cl. 250-560.000.

Itoh, Yoshiaki; Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,830,820, Cl. 419-23.000.

Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, 4,880,773, Cl. 505-1.000.

Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.

Iwata, Kouichi; Takahashi, Hideo; and Isomura, Akihiko, 4,822,615, Cl. 424-423.000.

Kakii, Toshiaki; Asano, Yasuo; and Suzuki, Shuzo, 4,818,059, Cl. 350-96.210.

Kakii, Toshiaki; Saito, Kazuhito; and Suzuki, Shuzo, 4,830,456, Cl. 350-96.200.

Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.

Kakuta, Tatsuya; and Akasaka, Nobuhiro, 4,799,762, Cl. 350-96.340.

Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.

Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, 4,880,452, Cl. 65-3.120.

Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, 4,844,953, Cl. 427-387.000.

Kato, Chiaki; Nishi, Masaya; and Hatta, Toshiyuki, 4,887,340, Cl. 29-130.000.

Kawasaki, Akihisa; Kotani, Toshihiro; Nakai, Ryusuke; Miyazawa, Shintaro; and Hoshikawa, Keigo, 4,863,554, Cl. 156-617.100.

Kitayama, Yoshinobu, 4,840,453, Cl. 350-96.230.

Kitayama, Yoshinobu, 4,865,415, Cl. 350-96.230.

Kobayashi, Yoshinobu, 4,882,502, Cl. 307-247.100.

Kogo, Katsuyuki, 4,809,698, Cl. 128-632.000.

Kohno, Teruhisa; and Hashida, Koichi, 4,834,469, Cl. 303-119.000.

Kohno, Yuichiro; and Hara, Akio, 4,880,707, Cl. 428-565.000.

Koiso, Takashi; and Fujii, Satoshi, 4,799,970, Cl. 148-6.200.

Kono, Teruhisa; and Hashida, Koichi, 4,810,042, Cl. 303-92.000.

Kono, Teruhisa; Takata, Koji; and Hashida, Koichi, 4,867,122, Cl. 123-396.000.

Kotani, Toshihiro; and Tada, Kohji, 4,873,062, Cl. 422-249.000.

Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, 4,804,247, Cl. 350-96.340.

Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,155, Cl. 65-3.120.

Maeda, Naoki, 4,856,076, Cl. 382-53.000.

Maeda, Naoki, 4,881,188, Cl. 364-713.000.

Makino, Fumio, 4,831,868, Cl. 73-118.100.

Maruyama, Masao; Seki, Atsushi; and Minato, Yoshihiro, 4,868,065, Cl. 428-547.000.

Masuda, Shigeo; and Hosoya, Toshifumi, 4,875,758, Cl. 350-96.300.

Matsui, Yuichi, 4,823,171, Cl. 357-4.000.

Matsushita, Ken-ichi; Okamoto, Taira; Shimada, Masahiko; and Takeuchi, Hisao, 4,794,798, Cl. 73-789.000.

Miyagawa, Yuichi; Yoneda, Kiwamu; Kuwa, Kazuhiro; and Kogo, Katsuyuki, 4,854,153, Cl. 73-1.00G.

Miyake, Shinichi; and Miyasaka, Shinji, 4,812,392, Cl. 435-3.000.

Miyazaki, Kenji, 4,853,078, Cl. 156-616.400.

Mizutani, Futoshi; Kyogoku, Takeshi; Saitoh, Tatsuo; and Endoh, Shigeki, 4,875,918, Cl. 65-3.120.

Mogi, Masaharu, 4,820,015, Cl. 350-96.240.

Morimoto, Takeshi, 4,806,885, Cl. 332-7.510.

Morinaga, Hayato, 4,865,244, Cl. 228-56.300.

Murai, Teruyuki; Hashimoto, Yoshihiro; and Kawakita, Takao, 4,866,888, Cl. 51-401.000.

Nakano, Tsuneo; Nakamura, Seika; and Shimohashi, Kiyomi, 4,821,138, Cl. 361-93.000.

Nakasuji, Masaaki, 4,828,349, Cl. 350-96.330.

Nishiguchi, Masanori, 4,809,536, Cl. 73-4.00R.

Nishiguchi, Masanori; Sogawa, Ichiro; and Sunago, Katsuyoshi, 4,825,684, Cl. 73-4.00R.

Nishiguchi, Masanori; Sekiguchi, Takeshi; and Fujihira, Mitsuaki, 4,844,325, Cl. 228-180.200.

Nishiguchi, Masanori, 4,859,269, Cl. 156-361.000.

Nishiguchi, Masanori, 4,868,974, Cl. 29-740.000.

Nishikama, Mitsuru, 4,847,490, Cl. 250-227.000.

Nishimura, Akira; and Suzuki, Shuzo, 4,820,014, Cl. 350-96.230.

Nishimura, Akira; and Ogasawara, Ichiro, 4,826,279, Cl. 350-96.230.

Nishimura, Yoshifumi; and Yoshimura, Yoshio, 4,859,289, Cl. 204-28.000.

Nishio, Masanobu; Sawada, Kazuo; Yamauchi, Kazuhisa; and Yosimura, Saburo, 4,804,153, Cl. 242-78.100.

Nishiyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, 4,889,093, Cl. 123-400.000.

Noguchi, Kazuo; and Konet, Keith A., 4,832,541, Cl. 407-114.000.

Odani, Yusuke; Akechi, Kiyoaki; and Kuroishi, Nobuhito, 4,818,308, Cl. 148-437.000.

Ogawa, Kanagawa; and Ito, Yasushi, 4,856,266, Cl. 57-9.000.

Ogawa, Satoshi; Fujikawa, Masanori; and Watanabe, Masakazu, 4,833,871, Cl. 57-6.000.

Ohkawa, Shinichi; and Awazu, Kunio, 4,826,281, Cl. 350-96.260.

Ohoka, Akihiro; and Washimi, Kouichi, 4,844,298, Cl. 222-58.000.

Ohtsuka, Akira; Goto, Tomoji; and Ida, Masao, 4,879,588, Cl. 357-68.000.

Okamoto, Kenji; and Kida, Yasushi, 4,885,787, Cl. 382-54.000.

Okazaki, Hiroshi; Matsuyama, Fumio; and Watabe, Seiji, 4,818,618, Cl. 428-421.000.

Okita, Koichi; Asako, Shigeru; Yamada, Katsuya; Okabe, Kazuhiro; and Kashiwagi, Tohru, 4,822,361, Cl. 623-12.000.

Osaka, Keiji; Yanagi, Toru; and Asano, Yasuo, 4,812,010, Cl. 350-96.220.

Saen, Haruo; and Kobayashi, Kougi, 4,870,227, Cl. 174-117.0FF.

Saen, Haruo; and Kobayashi, Kougi, 4,873,411, Cl. 219-93.000.

Saito, Hidetoshi; Kume, Masahiro; and Morita, Sakae, 4,804,911, Cl. 324-167.000.

Saito, Hidetoshi; Kume, Masahiro; and Mizuno, Kazuo, 4,847,557, Cl. 324-208.000.

Sakamoto, Yoshito, 4,840,987, Cl. 524-436.000.

Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, 4,886,709, Cl. 428-552.000.

Sato, Kazuhiro, 4,847,448, Cl. 174-103.000.

Sato, Kenichi; and Shibuta, Nobuhiro, 4,814,731, Cl. 335-216.000.

Sato, Koji; Kurakake, Masahiro; and Fujiwaki, Kazuo, 4,797,940, Cl. 382-9.000.

Satoh, Shuichi; and Tsuji, Kazuwo, 4,836,881, Cl. 156-621.000.

Satoh, Shyuichi; and Tsuji, Kazuwo, 4,880,613, Cl. 423-446.000.

Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, 4,815,309, Cl. 72-47.000.

Sawada, Kazuo; Hitotsuyanagi, Hajime; and Ohkura, Kengo, 4,842,366, Cl. 350-96.300.

Sawada, Kazuo; Nishio, Masanobu; and Nakai, Yoshihiro, 4,859,811, Cl. 174-126.200.

Shibano, Yoshizo, 4,807,251, Cl. 375-53.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,823,138, Cl. 342-457.000.

Shibano, Yoshizo, 4,827,488, Cl. 375-82.000.

Shibano, Yoshizo, 4,829,542, Cl. 375-53.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,833,481, Cl. 342-457.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,887,090, Cl. 343-711.000.

Shigematsu, Masayuki; and Suzuki, Shuzo, 4,840,482, Cl. 356-73.100.

Shigematsu, Masayuki; and Fukuda, Masahiko, 4,848,872, Cl. 350-96.290.

Shikata, Shinichi; and Hayashi, Hideki, 4,859,618, Cl. 437-41.000.

Shimizu, Toshiyuki; Shimizu, Osamu; Tenmoku, Kenji; Mitoh, Kunihiko; and Honoki, Yasuhiro, 4,862,398, Cl. 364-571.050.

Shinomiya, Takashi, 4,832,415, Cl. 303-100.000.

Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.

Suzuki, Tomihiro, 4,801,867, Cl. 324-73.00R.

Taguchi, Tsunemasa; Kidoguchi, Isao; and Nanba, Hirokuni, 4,866,007, Cl. 437-108.000.

Takada, Hisashi; and Nishie, Mitsuaki, 4,864,193, Cl. 315-71.000.

Takahashi, Hideo; and Iwata, Kouichi, 4,869,909, Cl. 424-486.000.

Takahashi, Kenichi; and Yoshida, Noriyuki, 4,832,444, Cl. 350-96.260.
Takata, Koji, 4,831,320, Cl. 318-696.000.
Takata, Koji; and Matsuzaki, Yoshiki, 4,850,655, Cl. 303-50.000.
Takata, Koji, 4,861,114, Cl. 303-9.720
Takatani, Setsuo; Awau, Kunio; and Kanda, Masahiko, 4,867,557, Cl. 356-41.000.
Tanaka, Masatoshi, 4,849,251, Cl. 427-101.000.
Tano, Yasuo; Hosotani, Hisashi; Fujimori, Naoji; and Harada, Keizo, 4,822,359, Cl. 623-6.000.
Tenmoku, Kenji; Shimizu, Osamu; Shimizu, Toshiyuki; and Mitoh, Kunihiko, 4,807,127, Cl. 364-424.010.
Tokumaru, Yuzo; and Nishi, Osamu, 4,812,008, Cl. 350-96.210.
Tsuji, Kazuwo; Sumiya, Hitoshi; Kumazawa, Yoshiaki; Urakawa, Nobuo; and Satoh, Keiichi, 4,859,531, Cl. 428-333.000.
Tsuji, Yoshiomi; Maruyama, Ichiro; Mori, Kenji; and Nishikawa, Souji, 4,846,603, Cl. 405-115.000.
Tsuno, Koichi; Nishikawa, Mitsuru; and Awazu, Kunio, 4,807,597, Cl. 128-6.000.
Ueba, Yoshinobu; and Matsumiya, Norifumi, 4,828,359, Cl. 350-96.340.
Ueda, Hiroshi; and Sugimoto, Mamoru, 4,811,490, Cl. 33-179.50R.
Ueno, Keiji, 4,820,782, Cl. 525-454.000.
Watanabe, Kanji; and Mizoe, Mikio, 4,849,282, Cl. 428-321.500.
Watanabe, Minoru; Yokota, Hiroshi; Suzuki, Shuzo; and Suganuma, Hiroshi, 4,832,720, Cl. 65-3.110.
Yamada, Katsuhiko; Ojima, Kunio; Asakura, Takashi; Yamamori, Yusuke; and Nakamura, Yukihiro, 4,871,146, Cl. 266-106.000.
Yamada, Katsuya; and Okita, Koichi, 4,832,713, Cl. 55-158.000.
Yamada, Koji, 4,871,676, Cl. 435-290.000.
Yamaguchi, Masayoshi; and Hagihara, Toshio, 4,828,353, Cl. 350-96.210.
Yamaguchi, Mikio; and Sato, Koji, 4,817,185, Cl. 382-59.000.
Yamamoto, Susumu; and Mori, Akinori, 4,810,593, Cl. 428-677.000.
Yamamoto, Susumu; and Aoki, Yoshimitsu, 4,837,416, Cl. 219-69.120.
Yano, Koji; Watanabe, Minoru; Kyoto, Michihisa; and Hoshikawa, Masao, 4,804,393, Cl. 65-3.120.
Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, 4,846,867, Cl. 65-3.120.
Yokota, Minoru; Nagata, Masayuki; Saito, Shigeo; and Yamada, Yuichi, 4,883,922, Cl. 174-125.100.
Yoshida, Kiminobu; Shiomi, Akio; and Watanabe, Kazuhisa, 4,812,154, Cl. 65-3.110.
Yoshida, Noriyuki, 4,828,354, Cl. 350-96.340.
Yoshino, Masato, 4,848,850, Cl. 303-97.000.
Yoshino, Masato, 4,859,002, Cl. 303-103.000.
Yoshino, Masato, 4,869,558, Cl. 303-92.000.
Yoshino, Masato, 4,877,295, Cl. 303-109.000.
Yoshioka, Takashi; and Doi, Akira, 4,882,238, Cl. 428-698.000.
Sumitomo Heavy Industries, Ltd.: *See—*
Adachi, Taira, 4,797,086, Cl. 425-589.000.
Asano, Koji; and Okawa, Masao, 4,811,834, Cl. 198-621.000.
Baba, Keitaro; and Yagi, Yoshitaka, 4,830,177, Cl. 198-509.000.
Hara, Hitoshi; and Sumen, Hiroyoshi, 4,875,845, Cl. 425-143.000.
Hara, Hitoshi, 4,878,824, Cl. 425-139.000.
Hatayama, Takayoshi; and Kawamoto, Kunio, 4,850,237, Cl. 74-462.000.
Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.
Ishikawa, Yoshitaka; and Matsumoto, Takeo, 4,805,695, Cl. 165-166.000.
Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
Keida, Yutaka, 4,880,372, Cl. 425-145.000.
Matsuoka, Toshio; Sugimori, Seiji; Koyabu, Yukio; and Kurozu, Shinichi, 4,824,479, Cl. 75-0.50R.
Minegishi, Kiyoji; and Ishida, Toshihiro, 4,843,911, Cl. 74-801.000.
Oda, Yasukage; and Asami, Hiroshi, 4,827,737, Cl. 62-51.300.
Oda, Yasukage; and Asami, Hiroshi, 4,831,845, Cl. 62-51.100.
Saeki, Mitsuru; Nishio, Terutsune; and Omura, Hiromichi, 4,867,786, Cl. 75-10.160.
Sakai, Seiya; Suzuki, Mitsuo; and Saito, Toshiro, 4,869,659, Cl. 425-135.000.
Shibuta, Shigeto; and Sakurai, Masahiko, 4,813,814, Cl. 405-198.000.
Takahashi, Muneharu, 4,858,459, Cl. 72-214.000.
Takata, Yasuhira, 4,840,052, Cl. 72-45.000.
Takayama, Takeshi, 4,849,705, Cl. 328-233.000.
Toyota, Eijiro, 4,808,940, Cl. 328-233.000.
Wolf, Manfred, 4,883,114, Cl. 164-478.000.
Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, to Nippon Steel Corp.; and TNK Sanwa Precision Co., Ltd. Non-magnetic high hardness austenitic stainless steel. 4,851,059, 7-25-89, Cl. 148-327.000.
Sumitomo, Hiroyuki; and Horiguchi, Akira, to Hisaka Works, Limited. Heat recovery system utilizing non-azeotropic medium. 4,827,877, 5-9-89, Cl. 122-34.000.
Sumitomo, Hiroyuki; and Horiguchi, Akira, to Hisaka Works, Limited. Evaporating apparatus with preheater. 4,841,916, 6-27-89, Cl. 122-32.000.
Sumitomo Light Metal Industries, Ltd.: *See—*
Baba, Yoshio; Uno, Teruo; and Yoshida, Hideo, 4,851,192, Cl. 420-528.000.
Toyoshima, Masayasu; Watanabe, Yoshiaki; and Orito, Yoshiaki, 4,808,283, Cl. 204-71.000.
Sumitomo, Masakazu: *See—*
Usami, Ikuzo; Sato, Yoshinori; and Sumitomo, Masakazu, 4,865,884, Cl. 427-256.000.
Sumitomo Metal Industries, Ltd.: *See—*
Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.
Hayashi, Chihiro, 4,827,750, Cl. 72-97.000.
Hinotani, Shigeharu, 4,806,438, Cl. 428-660.000.
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.
Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.
Kawashima, Hisakazu; Morita, Yoshiyasu; Nishihara, Minoru; Arai, Tetsuzo; and Fukui, Kunihiro, 4,871,194, Cl. 285-55.000.
Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
Kojima, Masayasu; and Hayashi, Chihiro, 4,852,736, Cl. 206-328.000.
Maehara, Yasuhiro; and Tarutani, Yoshio, 4,812,177, Cl. 148-12.0EA.
Masui, Takeshi; Matsumoto, Yoshiro; Tomizawa, Atsushi; and Hirooka, Eiji, 4,860,416, Cl. 29-116.200.
Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.
Murayama, Junichiro; and Komizo, Yuichi, 4,839,242, Cl. 428-660.000.
Okada, Minoru; Shida, Yoshiaki; Nishikawa, Tomio; Kato, Isamu; Nakano, Kazuyuki; and Isomura, Ryozo, 4,824,373, Cl. 433-200.100.
Saeki, Mitsuru; Nishio, Terutsune; and Omura, Hiromichi, 4,867,786, Cl. 75-10.160.
Sawaragi, Yoshiatsu; Yoshikawa, Kunihiko; and Teranishi, Hiroshi, 4,842,823, Cl. 420-584.000.
Shida, Yoshiaki; Kitayama, Shiro; and Nishikawa, Tomio, 4,859,415, Cl. 420-417.000.
Shigematsu, Tatsuhiko; Ichidate, Minoru; Shiotani, Chitose; and Tozawa, Yohzi, 4,846,884, Cl. 75-3.000.
Sudani, Kiyoshi; and Sunami, Yoshihiko, 4,874,564, Cl. 264-24.700.
Suzuki, Nobukazu; and Nonaka, Tadashi, 4,814,048, Cl. 204-28.000.
Takamatsu, Keiji; and Takahashi, Hideki, 4,825,079, Cl. 250-338.300.
Tanaka, Kenichi; and Tokimasa, Katsuyuki, 4,825,674, Cl. 72-98.000.
Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, 4,796,798, Cl. 228-146.000.
Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.
Sumitomo Metal Mining Company Ltd.: *See—*
Kemori, Nobumasa; Ojima, Yasuo; and Kondo, Yasuhiro, 4,848,754, Cl. 266-162.000.
Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, 4,798,532, Cl. 432-210.000.
Kimura, Takayoshi; Ojima, Yasuo; and Mori, Yoshiaki, 4,824,362, Cl. 432-13.000.
Matsumoto, Kazutoshi; and Hyuga, Takehiro, 4,830,995, Cl. 501-135.000.
Nate, Tatsuo; Oka, Koichi; and Satoh, Takehiko, 4,865,660, Cl. 148-301.000.
Takahashi, Yasuhito; Sakai, Shigeru; and Inoue, Yoshimasa, 4,845,068, Cl. 502-168.000.
Tamura, Yukitoshi; and Takamatsu, Keiji, 4,882,491, Cl. 250-338.300.
Sumitomo Naugatuck Co., Ltd.: *See—*
Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,855,355, Cl. 525-64.000.
Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,880,874, Cl. 525-67.000.
Kondo, Masatsune; Ogura, Kiyoshi; and Kuramoto, Koji, 4,877,833, Cl. 525-64.000.
Saeki, Tadashi; Ikawa, Kiyoshi; Kurita, Seiji; and Ueno, Katsuji, 4,824,905, Cl. 525-66.000.
Sakano, Hajime; Ito, Akitoshi; and Yano, Motoichi, 4,835,215, Cl. 525-71.000.
Toyoda, Yasushi; Mishiba, Saburo; and Nishioka, Toshiyasu, 4,861,820, Cl. 524-510.000.
Sumitomo Pharmaceuticals Company, Limited: *See—*
Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, 4,812,461, Cl. 514-278.000.
Enomoto, Masao; Muraoka, Masami; Ono, Keiichi; Kojima, Atsuyuki; Atsumi, Toshio; Komuro, Yoshihiro; Sanemitsu, Yuzuru; and Mizutani, Masato, 4,849,434, Cl. 514-342.000.
Fujioka, Keiji; Sato, Shigeji; Sasaki, Yoshio; Miyata, Teruo; Furuse, Masayasu; and Naito, Hiromi, 4,849,141, Cl. 264-207.000.
Maeda, Mitsuaki; and Sasaki, Takuma, 4,880,832, Cl. 514-492.000.

Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, 4,888,344, Cl. 514-210.000.
Tamoto, Katsumi; Ohuchi, Renzo; and Ono, Keiichi, 4,880,827, Cl. 514-423.000.
Yonahira, Yoshiya; Fujioka, Keiji; and Sato, Shigeji, 4,855,134, Cl. 424-85.700.
Sumitomo Rubber Industries, Ltd.: *See—*
Asano, Kazuo; Oku, Masahiro; Idei, Mitsushige; and Kojima, Yoshihide, 4,867,218, Cl. 152-454.000.
Fujiwara, Kenichi, 4,798,236, Cl. 152-209.00R.
Kitaoh, Katsutoshi, 4,802,674, Cl. 273-235.00A.
Kitaoh, Katsutoshi; and Hamada, Akihiko, 4,871,589, Cl. 427-322.000.
Matsuki, Taketo; and Nakahara, Akihiro, 4,863,167, Cl. 273-62.000.
Nakasaki, Eiji, 4,802,547, Cl. 180-216.000.
Nakasaki, Eiji; Tajima, Katsunori; Igarashi, Yasuo; and Sakakibara, Hiroto, 4,869,336, Cl. 180-196.000.
Noma, Hiroyuki, 4,878,527, Cl. 152-379.300.
Ochiai, Kiyoshi, 4,878,526, Cl. 152-209.00R.
Oka, Kengo; and Yamada, Kaname, 4,813,677, Cl. 273-232.000.
Oka, Kengo; and Yamada, Kaname, 4,848,766, Cl. 273-232.000.
Saito, Kenji, 4,884,610, Cl. 152-454.000.
Takami, Masao; Nagahata, Toru; Arita, Masakazu; Shibata, Eigi; and Tamura, Tadahiko, 4,817,697, Cl. 157-13.000.
Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Seito, Yuichi, 4,812,527, Cl. 525-250.000.
Takeuchi, Akihiro, 4,854,358, Cl. 152-209.00R.
Tanigawa, Motoshi; Dohi, Hidehiko; Nishimura, Takashi; Ichikawa, Kouji; and Koishi, Tetsuo, 4,877,071, Cl. 152-165.000.
Sumitomo Special Metals Co., Ltd.: *See—*
Fujimura, Setsuo; Sagawa, Masato; and Matsuura, Yutaka, 4,840,684, Cl. 148-302.000.
Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, 4,859,255, Cl. 148-302.000.
Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masaru; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.720.
Hamada, Takaki; Hayakawa, Tetsuji; and Matsuura, Yutaka, 4,837,114, Cl. 427-127.000.
Minakata, Makoto; and Miura, Kazunori, 4,866,406, Cl. 330-4.300.
Miyamoto, Toshinobu; Sakurai, Hideya; and Takabayashi, Hirofumi, 4,818,966, Cl. 335-296.000.
Nakamura, Yasuyuki; Hashimoto, Adio; Fujita, Toshiaki; and Kawakami, Makoto, 4,826,736, Cl. 428-613.000.
Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, 4,796,127, Cl. 360-103.000.
Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, 4,808,455, Cl. 428-64.000.
Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Mohri, Shigeki; and Nagano, Mitsuyoshi, 4,814,915, Cl. 360-103.000.
Wada, Toshiaki; Nakaoka, Junichi; and Ono, Takayuki, 4,816,128, Cl. 204-192.230.
Wada, Toshiaki; and Nose, Masateru, 4,828,905, Cl. 428-213.000.
Wada, Toshiaki; and Murata, Akio, 4,855,054, Cl. 360-126.000.
Wada, Toshiaki; Katsuyama, Yoshiaki; Furukawa, Mitsuhiko; Kitahira, Takashi; Miyahara, Michito; Misumi, Kiyohito; and Shiroyama, Masaharu, 4,859,638, Cl. 501-58.000.
Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, 4,875,987, Cl. 204-192.150.
Yamamoto, Hitoshi; Sagawa, Masato; Fujimura, Setsuo; and Matsuura, Yutaka, 4,826,546, Cl. 148-102.000.
Sumitomo Wiring Systems, Ltd.: *See—*
Ohno, Kengo, 4,849,743, Cl. 340-687.000.
Yoshida, Kinzi; Yamamoto, Akira; and Iura, Kazuo, 4,884,430, Cl. 72-281.000.
Sumitomo, Yukikazu: *See—*
Kinouchi, Sosuke; and Sumitomo, Yukikazu, 4,846,307, Cl. 184-6.500.
Sumitomogomu Kougyo Kabushiki Kaisha: *See—*
Ichikawa, Katsumi; and Sakon, Touhachiro, 4,834,636, Cl. 425-38.000.
Sumitomo Pharmaceuticals Company, Limited: *See—*
Ishizumi, Kikuo; Antoku, Fujio; Maruyama, Isamu; and Kojima, Atsuyuki, 4,843,078, Cl. 514-253.000.
Sumitoto Rubber Industries, Ltd.: *See—*
Yamaguchi, Tetsuo; and Kurahashi, Koichiro, 4,809,978, Cl. 273-78.000.
Sumiuchi, Masaharu: *See—*
Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, 4,830,693, Cl. 156-132.000.
Sumiya, Hitoshi: *See—*
Ishikawa, Fujio; Sumiya, Hitoshi; Oyabu, Motonobu; and Fukuda, Hideyuki, 4,845,824, Cl. 29-243.570.
Tsuji, Kazuwo; Sumiya, Hitoshi; Kumazawa, Yoshiaki; Urakawa, Nobuo; and Satoh, Keiichi, 4,859,531, Cl. 428-333.000.
Sumiya, Kenji; Yamamoto, Yoshinori; Aoyama, Shigeo; and Takeuchi, Yoji, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,830,923, 5-16-89, Cl. 428-425.900.
Sumiya, Kenji: *See—*
Takeuchi, Yoji; and Sumiya, Kenji, 4,803,125, Cl. 428-411.100.
Sumiya, Kiyoshi: *See—*
Ishikawa, Osamu; and Sumiya, Kiyoshi, 4,876,605, Cl. 358-400.000.
Sumiya, Koji: *See—*
Ito, Wataru; Kubota, Tomoki; Sumiya, Koji; and Yokoyama, Shoji, 4,839,579, Cl. 324-63.000.
Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, 4,854,195, Cl. 74-867.000.
Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
Sumiya, Sadao: *See—*
Okada, Tatsuo; Sumiya, Sadao; and Nakano, Masakimi, 4,840,059, Cl. 73-119.00A.
Sumiyoshi, Hajime, to Kabushiki Kaisha Toshiba. Synchronizing signal separation circuit for a television receiver. 4,882,624, 11-21-89, Cl. 358-153.000.
Summa, Frank A. High frequency energy saving ballast. 4,859,914, 8-22-89, Cl. 315-354.000.
Summa, Kenneth M.: *See—*
Martin, Danny W.; Osterhage, Rodney J.; and Summa, Kenneth M., 4,805,177, Cl. 372-34.000.
Summa Vest, Inc.: *See—*
Westenskow, Dwayne R.; and Silva, Fidel, 4,883,051, Cl. 128-204.210.
Summa, William J.: *See—*
Canestaro, Michael J.; and Summa, William J., 4,873,123, Cl. 427-96.000.
Summach, Dennis: *See—*
Summach, Terry; Pask, Glen S.; Summach, Dennis; and Newton, William, 4,821,809, Cl. 172-179.000.
Summach, Terry; Pask, Glen S.; Summach, Dennis; and Newton, William, to Flexi-Coil Limited. Multiple section drawbar. 4,821,809, 4-18-89, Cl. 172-179.000.
Summagraphics Corporation: *See—*
Matthews, Henry G.; Zalenski, Thomas; Barbetti, Jamie L.; and Mletzko, Al, 4,831,566, Cl. 364-571.050.
Zalenski, Thomas, 4,807,166, Cl. 364-571.060.
Zalenski, Thomas, 4,857,903, Cl. 340-710.000.
Summerauer, Ingomar J. K.; and Eigenmann, Oskar, to Bruderer AG. Method for storing coils of wound band-like blank material and for charging a processing machine, and an installation for this purpose. 4,863,112, 9-5-89, Cl. 242-78.800.
Summerlin, Frederick A.; Frearson, William H.; and Hendry, James C., to Avdel Limited. Fastener installation apparatus. 4,815,310, 3-28-89, Cl. 72-391.000.
Summermann, Klaus: *See—*
Wingler, Frank; Summermann, Klaus; Wassmuth, Gerd; Pischtschan, Alfred; and Doring, Joachim, 4,795,780, Cl. 525-53.000.
Summers, Christine: *See—*
Wootton, Gordon; Watts, Eric A.; and Summers, Christine, 4,866,039, Cl. 514-16.000.
Summers, David P., to American Biomed, Inc. Atherectomy catheter. 4,850,957, 7-25-89, Cl. 604-22.000.
Summers, Donald J.: *See—*
Bogar, Jerry H.; Cassel, Willard F., Jr.; Mummey, Dale B.; Oberman, Carl D.; and Summers, Donald J., 4,861,271, Cl. 439-63.000.
Jacobson, Walter E.; Summers, Donald J.; Vining, Kenneth; and Jackson, Frederick E., 4,858,475, Cl. 73-862.540.
Summers, Ernest M.: *See—*
Henry, James R.; and Summers, Ernest M., 4,830,889, Cl. 427-438.000.
Summers, Harry: *See—*
Old, John L.; and Summers, Harry, 4,811,620, Cl. 74-474.000.
Summers, Jack C., II: *See—*
Henk, Michael G.; and Summers, Jack C., II, 4,868,148, Cl. 502-303.000.
Summers, James B.; and Stewart, Andrew O., to Abbott Laboratories. Benzazole lipoxygenase inhibiting compounds. 4,822,809, 4-18-89, Cl. 514-367.000.
Summers, James B., to Abbott Laboratories. Carbazole lipoxygenase inhibiting compounds, compositions and use. 4,822,811, 4-18-89, Cl. 514-411.000.
Summers, James B., Jr.; Gunn, Bruce P.; and Brooks, Dee W., to Abbott Laboratories. Indole, benzofuran, benzothiophene containing lipoxygenase inhibiting compounds. 4,873,259, 10-10-89, Cl. 514-443.000.
Summers, John K., to Better Life International Life, Inc. Herbal chew and snuff compositions. 4,817,640, 4-4-89, Cl. 131-359.000.
Summers, John K., to Better Life International, Inc. Composition and method to provide organoleptic bite in a composition for human consumption. 4,887,620, 12-19-89, Cl. 131-352.000.
Summers, Max D.: *See—*
Smith, Gale E.; and Summers, Max D., 4,879,236, Cl. 435-235.000.
Summers, Robert: *See—*
Drain, Kieran F.; Summers, Robert; and Nativi, Larry A., 4,826,705, Cl. 427-54.100.
Summers, Robert B.: *See—*
Herpichboehm, Bernd G.; Sierra, George H.; Summers, Robert B.; and Watlington, Thomas M., 4,871,258, Cl. 356-422.000.
Summers, Ronald L. Pneumatic torque wrench for valve handwheels. 4,885,962, 12-12-89, Cl. 81-57.310.
Summers, William, III; and Burkhardt, Eric W., to Akzo America Inc. Organic solvent soluble polyvalent metal alkoxy alkoxides. 4,837,190, 6-6-89, Cl. 502-171.000.
Summers, William F.: *See—*
Beasley, Thomas B.; Cearley, Thomas W.; Chandler, David A.; Gondring, Kim A.; Guarino, Richard A.; Hutchins, William G.; Martin, Marvin R.; Norris, Eugene E.; Prout, Lloyd T.; Schlottman, Jeffrey R.; Smith, Charlotte M.; Summers, William F.;

Twine, David C.; and Walsh, R. Victor, 4,827,423, Cl. 364-468.000.

Summers, William K. Administration of monoamine acridines in cholinergic neuronal deficit states. 4,816,456, 3-28-89, Cl. 514-255.000.

Summerville, Edward: *See—*

Baker, Bruce G.; Clark, Neville J.; McArthur, Hamish; and Summerville, Edward, 4,827,075, Cl. 585-671.000.

Summerville, Stephan W. Anatomically stuffed toy animal. 4,822,285, 4-18-89, Cl. 434-272.000.

Summit Sports, Inc.: *See—*

Heller, Elmer J., 4,833,456, Cl. 340-571.000.

Summit Technology, Inc.: *See—*

Caro, Richard G.; and Harmon, Troy M., 4,842,360, Cl. 350-96.180.

Clarke, Richard H.; Isner, Jeffrey M.; and Muller, David F., 4,862,886, Cl. 128-303.100.

Muller, David F., 4,856,513, Cl. 128-303.100.

Summons, Wayne L.; and Burch, Lester G., to Sashco, Inc. Transparent building industry product with collapsible tube. 4,863,014, 9-5-89, Cl. 206-45.310.

Sumner, Charles E., Jr.; and Fugate, Eric J., to Eastman Kodak Company. Process for the preparation of aryloxyacetic acid. 4,804,777, 2-14-89, Cl. 562-421.000.

Sumner, John H.: *See—*

Hodgin, John B.; Sumner, John H.; and Wang, Kenneth Y., 4,858,288, Cl. 28-178.000.

Sumoto, Kunihiro: *See—*

Miyano, Seiji; Sumoto, Kunihiro; and Satoh, Fumio, 4,831,049, Cl. 514-413.000.

Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl. 514-228.200.

Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, 4,889,853, Cl. 514-227.500.

Sumpman, Wayne C.: *See—*

Nathenson, Richard D.; Alexion, Christopher C.; and Sumpman, Wayne C., 4,802,531, Cl. 165-104.280.

Sun A. Chemical Industries Co., Ltd.: *See—*

Minami, Kunihiko; and Noyori, Akimichi, 4,805,690, Cl. 165-89.000.

Sun, Alvin C. P.: *See—*

Theodoulou, Sotos M.; Thomson, Christopher W.; Vannerson, Eric; Baker, Wm. Keith; Sun, Alvin C. P.; and Hurley, Ken, 4,839,671, Cl. 346-159.000.

Sun, Anthony M.: *See—*

Parisius, John W.; and Sun, Anthony M., 4,797,213, Cl. 210-651.000.

Sun, Anthony M. F.: *See—*

Goosen, Mattheus F. A.; O'Shea, Geraldine M.; and Sun, Anthony M. F., 4,806,355, Cl. 424-424.000.

Sun Chemical Corporation: *See—*

Bassemir, Robert; Krishnan, Ramasamy; and Lowell, Arthur I., 4,854,969, Cl. 106-2.000.

Kveglis, Albert A.; and Catena, Robert J., 4,870,139, Cl. 525-420.500.

Kveglis, Albert A.; and Gruben, Arnold H., 4,882,436, Cl. 548-354.000.

Latosky, Joseph A., 4,872,916, Cl. 106-503.000.

Sun Controls Design, Inc.: *See—*

Larson, Bernard R., 4,843,561, Cl. 364-478.000.

Sun, Donald J. C. Golf club head with impact insert member. 4,872,685, 10-10-89, Cl. 273-169.000.

Sun du Jour, Inc.: *See—*

Fariss, James D., 4,818,491, Cl. 422-56.000.

Sun Electric Corporation: *See—*

Bahnick, Karl R.; and Groe, David E., 4,872,004, Cl. 340-825.500.

Groe, David E., 4,881,183, Cl. 364-550.000.

Kreft, Keith A.; Dikopf, Michael; and Loewe, Thomas D., 4,795,979, Cl. 324-379.000.

Sun-Flex Company, Inc.: *See—*

Gart, Mark, 4,879,451, Cl. 219-121.690.

Sun Hill Industries, Inc.: *See—*

Mimoun, Nancy; and Zinbarg, Benson, 4,881,651, Cl. 220-18.000.

Sun, Horng-Jye, to Teledyne MEC. FET monolithic microwave integrated circuit variable attenuator. 4,890,077, 12-26-89, Cl. 333-81.00A.

Sun, Hsiang-Ning: *See—*

Cannarsa, Michael J.; Kesling, Haven S., Jr.; Hostetler, Donald E.; Cooper, Terence A.; and Sun, Hsiang-Ning, 4,833,036, Cl. 428-412.000.

Hostetler, Donald E.; Cannarsa, Michael J.; Kesling, Haven S., Jr.; and Sun, Hsiang-Ning, 4,853,462, Cl. 528-494.000.

Kesling, Haven S., Jr.; Cannarsa, Michael J.; and Sun, Hsiang-Ning, 4,851,507, Cl. 528-405.000.

Sun Hydraulics Corp.: *See—*

Clark, Richard J., 4,795,129, Cl. 251-62.000.

DiBartolo, Ernest A., 4,834,135, Cl. 137-514.500.

Sun Industrial Coatings Private Limited: *See—*

Sim, Ah T., 4,796,158, Cl. 361-417.000.

Tee, Sim A., 4,856,455, Cl. 118-500.000.

Sun, Jing H.: *See—*

Sues, John M.; and Sun, Jing H., 4,872,198, Cl. 379-377.000.

Sun, Jung-Hui: *See—*

Lednicer, Daniel; and Sun, Jung-Hui, 4,888,353, Cl. 514-422.000.

Sun, Kai C. K.: *See—*

Liu, Jeffrey; Sun, Kai C. K.; and Mao, Shand-Ling, 4,864,444, Cl. 360-105.000.

Sun, Ko-Lin. Method and fittings enabling articles to be rapidly taken into and out of a case. 4,796,407, 1-10-89, Cl. 53-390.000.

Sun, Koushun; and Albanese, Sam, to Motorola, Inc. Zero crossing noise-rejecting digital filter. 4,795,915, 1-3-89, Cl. 307-234.000.

Sun, Koushun: *See—*

Lill, Mark P.; Li, Edward E.; and Sun, Koushun, 4,886,029, Cl. 123-479.000.

Sun, Kuo-Chang: *See—*

Agnew, Palmer W.; Clayton, Neil H.; Judkovics, Monroe; Rivero, Jose L.; and Sun, Kuo-Chang, 4,884,218, Cl. 364-513.000.

Clayton, Neil H.; Rivero, Jose L.; and Sun, Kuo-Chang, 4,845,624, Cl. 364-200.000.

Sun, Kwok K., to Dow Chemical Company, The. Meta-phenylene diamine derivatives. 4,866,208, 9-12-89, Cl. 564-308.000.

Sun, Kwok K., to Dow Chemical Company, The. Product. 4,868,225, 9-19-89, Cl. 521-163.000.

Sun, Mei H.; Wickersheim, Kenneth A.; and Heinemann, Stanley O., to Luxtron Corporation. Fiberoptic sensing of temperature and/or other physical parameters. 4,883,354, 11-28-89, Cl. 356-128.000.

Sun, Mei H.: *See—*

Wickersheim, Kenneth A.; and Sun, Mei H., 4,859,079, Cl. 374-131.000.

Sun Microsystems, Inc.: *See—*

Bizjak, Karl; Shantz, Michael; and Shwetz, Linda, 4,860,251, Cl. 364-900.000.

Garner, Robert B.; and Agrawal, Anant, 4,884,198, Cl. 364-200.000.

Griffith, Scott J.; and Golson, Steven E., 4,857,768, Cl. 307-443.000.

Griffith, Scott J., 4,890,270, Cl. 368-113.000.

Kelly, Edmund J., 4,803,621, Cl. 364-200.000.

Lien, Sheue-Ling; Shantz, Michael J.; Evans, Jerald R.; Ergene, Serdar; and Carrie, Susan E., 4,855,935, Cl. 364-521.000.

Pflaumer, Michael W., 4,884,266, Cl. 370-84.000.

Sun Nuclear Corporation: *See—*

Simon, William E.; Powers, Thomas L.; and Ernsberger, Glenn W., 4,871,914, Cl. 250-370.020.

Sun Refining and Marketing Company: *See—*

Hsu, Chao-Yang, 4,827,023, Cl. 560-204.000.

Hsu, Chao-Yang, 4,855,485, Cl. 560-104.000.

Lush, Richard A.; and Tsao, Hsiang-Wei, 4,877,920, Cl. 585-823.000.

Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,803,187, Cl. 502-200.000.

Lyons, James E.; Ellis, Paul E., Jr.; Myers, Harry K., Jr.; Suld, George; and Langdale, Wayne A., 4,859,798, Cl. 568-399.000.

Sun, Rickson: *See—*

Groswith, Charles T., III; Seipp, Edwin A., III; Sun, Rickson; and Yurchenco, James R., 4,874,186, Cl. 281-28.000.

Sun, Robert L.; and Kenaey, James F., to Johnson & Johnson Patient Care, Inc. Surgical pressure sensitive adhesive sheet product. 4,879,178, 11-7-89, Cl. 428-355.000.

Sun Room Designs, Inc.: *See—*

Meyers, Leo J., 4,875,311, Cl. 52-90.000.

Sun, Shin-Ching. Apparatus for preventing criminal's escape or violence. 4,811,775, 3-14-89, Cl. 70-16.000.

Sun, Shin-Ching. Ashtray apparatus. 4,883,224, 11-28-89, Cl. 232-43.100.

Sun, Shuxing. Noncontactive arterial blood pressure monitor and measuring method. 4,846,189, 7-11-89, Cl. 128-679.000.

Sun, William Y. Sterile disposable linguiform laryngoscope blade sheath. 4,834,077, 5-30-89, Cl. 128-11.000.

Sun, Yan: *See—*

Han, Jui; and Sun, Yan, 4,826,830, Cl. 514-118.000.

Sunada, Fumiyuki: *See—*

Saito, Toshiaki; Ueno, Chizuru; and Sunada, Fumiyuki, 4,861,603, Cl. 426-93.000.

Sunada, Masazi: *See—*

Inoue, Takashi; Sunada, Masazi; Okamoto, Motohide; Kariya, Masayoshi; and Inoh, Tadashi, 4,845,146, Cl. 524-436.000.

Sunada, Tomohiro: *See—*

Honda, Yasuo; Ohtsuka, Takenori; Sunada, Tomohiro; and Kawasako, Yasuhiro, 4,794,885, Cl. 123-52.00M.

Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, 4,848,280, Cl. 123-52.0MC.

Sunaga, Mamoru, to Sanden Corporation. Air outlet nozzles for an air circulation device in a refrigerated display cabinet. 4,807,446, 2-28-89, Cl. 62-256.000.

Sunaga, Mamoru: *See—*

Negishi, Kozaburo; Sakano, Riichi; Sunaga, Mamoru; Ikeda, Susumu; and Matsubayashi, Shinji, 4,831,837, Cl. 62-239.000.

Sunaga, Seizo: *See—*

Arai, Seizou; Fukumoto, Kikuo; Sunaga, Seizo; and Izumida, Kouji, 4,823,733, Cl. 118-630.000.

Sunaga, Takashi: *See—*

Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, 4,800,013, Cl. 208-19.000.

Sunaga, Takeji; and Nagahisa, Junichi, to Victor Company of Japan, Ltd. Apparatus for reproducing signals recorded on discs. 4,829,504, 5-9-89, Cl. 369-75.200.

Sunaga, Yoshio: *See—*

Ueba, Hisaaki; and Sunaga, Yoshio, 4,833,027, Cl. 428-364.000.

Sunagawa, Hiroshi; and Kamiyama, Kozi, to Fuji Photo Film Co., Ltd. Pick-up head for optical information storage disk. 4,797,867, 1-10-89, Cl. 369-45.000.

Sunagawa, Hiroshi; Kawajiri, Kazuhiro; Nozaki, Nobuharu; Hosoi, Yuichi; and Takahashi, Kenji, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,816,679, 3-28-89, Cl. 250-327.200.

Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, to Fuji Photo Film Co., Ltd. Pickup apparatus for magneto-optical recording medium. 4,833,561, 5-23-89, Cl. 360-114.000.

Sunagawa, Hiroshi; Suhara, Toshiaki; and Nishihara, Hiroshi, to Fuji Photo Film Co., Ltd. Magneto-optic pickup head including tracking and focusing error correction. 4,868,803, 9-19-89, Cl. 369-44.000.

Sunagawa, Hiroshi; Nishihara, Hiroshi; and Suhara, Toshiaki, to Fuji Photo Film Co., Ltd. Optical pickup apparatus for detecting and correcting focusing and tracking errors in detected recorded signals. 4,885,732, 12-5-89, Cl. 369-44.000.

Sunagawa, Hiroshi: *See—*

Okazaki, Yoji; Sunagawa, Hiroshi; and Kamiyama, Kozi, 4,830,448, Cl. 350-96.130.

Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, to Sumitomo Pharmaceuticals Company, Limited. Carbapenem compound in crystalline form, and its production and use. 4,888,344, 12-19-89, Cl. 514-210.000.

Sunagawa, Masao: *See—*

Saka, Hisao; Iwao, Akira; Kubota, Kazuhiro; Ishii, Yoshitaro; and Sunagawa, Masao, 4,809,394, Cl. 15-327.00R.

Sunagawa, Tomoji: *See—*

Okamoto, Toshiaki; Sunagawa, Tomoji; and Sato, Shun'ichi, 4,819,612, Cl. 126-263.000.

Sunagawa, Yoshitaka: *See—*

Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, 4,841,109, Cl. 200-302.100.

Sunago, Katsuyoshi: *See—*

Nishiguchi, Masanori; Sogawa, Ichiro; and Sunago, Katsuyoshi, 4,825,684, Cl. 73-4.00R.

Sunagra Research: *See—*

Close, Kelly R., 4,830,966, Cl. 435-240.490.

Sunakawa, Haruo, to NEC Corporation. Doping III-V compound semiconductor devices with group VI monolayers using ALE. 4,845,049, 7-4-89, Cl. 437-81.000.

Sunakawa, Haruo, to NEC Corporation. Group VI doping of III-V semiconductors during ALE. 4,859,627, 8-22-89, Cl. 437-81.000.

Sunami, Hideo; Kure, Tokuo; Hiraiwa, Atsushi; and Wada, Yasuo, to Hitachi, Ltd. Semiconductor memory using trench capacitor. 4,860,071, 8-22-89, Cl. 357-23.600.

Sunami, Hideo; Kimura, Shinichiro; and Kaga, Toru, to Hitachi, Ltd. Dynamic random access memory having buried word lines. 4,877,560, 10-10-89, Cl. 357-23.600.

Sunami, Hideo: *See—*

Kaga, Toru; Kimura, Shinichiro; Kure, Tokuo; Kawamoto, Yoshifumi; and Sunami, Hideo, 4,873,203, Cl. 437-67.000.

Sunami, Yoshihiko: *See—*

Sudani, Kiyoshi; and Sunami, Yoshihiko, 4,874,564, Cl. 264-24.700.

Sunanda, Rajgopal: *See—*

Vijayalakshmi, Mookambeswaran; and Sunanda, Rajgopal, 4,833,075, Cl. 435-8.000.

Sunas, Ernest C. Method of treating tobacco and tobacco produced thereby. 4,827,949, 5-9-89, Cl. 131-310.000.

Sunatori, Go S.: *See—*

Sunter, Stephen K.; and Sunatori, Go S., 4,885,625, Cl. 357-45.000.

Sunazuka, Hideo: *See—*

Hasegawa, Masatake; Kobayashi, Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, 4,869,848, Cl. 252-609.000.

Sunbeam Corporation: *See—*

Batt, Eleanor A.; and Thomas, Richard K., 4,831,735, Cl. 30-433.000.

Blackledge, Brian D.; and Rowe, William M., Jr., 4,818,439, Cl. 252-511.000.

Burnham, Lowell C., 4,829,158, Cl. 219-400.000.

Campbell, James D., 4,870,763, Cl. 38-77.700.

Carnevale, Francesco L., 4,819,750, Cl. 177-256.000.

Carnevale, Francesco L.; and Morrow, Kirk D., 4,836,316, Cl. 177-256.000.

Jauch, Christian M., 4,849,951, Cl. 368-89.000.

Jursich, Donald N.; and DiGirolamo, William J., 4,810,854, Cl. 219-276.000.

Smith, Richard A., 4,876,475, Cl. 310-239.000.

Stuckey, Carl E.; and Maddocks, Thomas C., 4,805,523, Cl. 99-281.000.

Sunbeam Plastics Corporation: *See—*

Bush, Randall, 4,865,209, Cl. 215-216.000.

Gach, Peter P., 4,807,768, Cl. 215-216.000.

Gach, Peter P., 4,807,769, Cl. 215-235.000.

Gach, Peter P., 4,815,61[illegible], Cl. 215-232.000.

Gach, Peter P.; and Montgomery, Gary V., 4,826,026, Cl. 215-206.000.

Halfacre, J. Wayne, 4,852,751, Cl. 215-32.000.

Hawkins, H. Gene, 4,844,273. Cl. 215-329.000.

Julian, Randall K., 4,884,706, Cl. 215-252.000.

Montgomery, Gary V., 4,804,098, Cl. 215-238.000.

Sunberg, Richard J.: *See—*

Benedict, James J.; Bush, Rodney D.; and Sunberg, Richard J., 4,846,650, Cl. 424-55.000.

Pyrz, Joseph W.; Lanzalaco, Anthony C.; and Sunberg, Richard J., 4,847,070, Cl. 424-52.000.

Sunclipse, Inc.: *See—*

Cardenas, Alfonso; and de la Cruz, Juan, 4,860,667, Cl. 108-115.000.

Cardenas, Alfonso, 4,875,737, Cl. 297-442.000.

Suncom Co., Ltd.: *See—*

Ando, Shigeru, 4,839,824, Cl. 364-516.000.

Suncom, Inc.: *See—*

Cecchi, Marino; and DeVolpi, Dean, 4,864,272, Cl. 338-128.000.

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Sund, Lloyd P. Conveying apparatus for crop pickup. 4,841,718, 6-27-89, Cl. 56-364.000.

Sunda, Fumihiro: *See—*

Yamamoto, Takemi; Komiya, Ryohei; Hatta, Naoyuki; Matsumoto, Yumio; and Sunda, Fumihiro, 4,870,444, Cl. 355-1.000.

Sundahl, James G., to Bell Helmets Inc. Helmet shield mechanism. 4,807,305, 2-28-89, Cl. 2-424.000.

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Weitzel, Charles E.; Sundaram, Lalgudi M. G.; and Lazar, Steven C., Jr., 4,870,478, Cl. 357-22.000.

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Sundberg, Anders, to Tetra Pak International. Method for regulating the energy supply to a sealing device for the sealing of thermoplastic material. 4,818,313, 4-4-89, Cl. 156-64.000.

Sundberg, Bo S. Disposable cleaning article. 4,820,558, 4-11-89, Cl. 428-34.300.

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Habbab, Isam M. I.; Kavehrad, Mohsen; and Sundberg, Carl-Erik, 4,797,879, Cl. 370-3.000.

Hagenauer, Joachim; and Sundberg, Carl-Erik, 4,807,253, Cl. 375-57.000.

Sundberg, Esa: *See—*

Aalto, Erkki; Korhonen, Kaarlo; Pekkinen, Jorma; Sundberg, Esa; Tolmunen, Arvi; Vartiainen, Seppo; and Villikka, Reijo, 4,811,724, Cl. 126-299.00D.

Sundberg, Jonas. Valve device for controlling the delivery of pressurized liquid to two separate hydrostatic motors. 4,821,625, 4-18-89, Cl. 91-516.000.

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Sundberg, Michael W.: *See—*

Toner, John L.; Murray, Bruce J.; Babb, Bruce E.; and Sundberg, Michael W., 4,795,712, Cl. 436-74.000.

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Case, Allen W., Jr.; Lillquist, Robert D.; and Sundell, Robert E., 4,859,830, Cl. 219-130.010.

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Peet, Norton P.; and Sunder, Shyam, 4,871,732, Cl. 514-212.000.

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Kearns, John J.; Tremblay, Paul A.; Robey, Raymond J.; and Sunder, Swaminathan, 4,814,111, Cl. 260-403.000.

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Lichtman, Jeffrey W.; and Sunderland, William J., 4,884,881, Cl. 350-507.000.

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Sundermeyer, Peter, to Diehl GmbH & Co. Method and arrangement for the autonomous determination of an inertial positional reference on board a guided projectile. 4,840,328, 6-20-89, Cl. 244-3.150.

- Sundermeyer, Peter: *See—*
  - Lachmann, Karl-Heinz; Sundermeyer, Peter; Schreier, Johann; Reindler, Albrecht; and Leininger, Jurgen, 4,883,239, Cl. 244-3.150.
- Sundhar, Shaam P. Electric socket adapter. 4,883,678, 12-19-89, Cl. 363-146.000.
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- Sundholm, Goran. Apparatus to be used when welding pipes together. 4,828,160, 5-9-89, Cl. 228-42.000.
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- Sundin, George H. Turning apparatus for handle-operated equipment. 4,836,320, 6-6-89, Cl. 180-19.100.
- Sundquist, Robert S.; and McBride, Thomas S., to Allied-Signal Inc. Loran-C receiver module. 4,888,594, 12-19-89, Cl. 342-389.000.
- Sundquist, Roger L.: *See—*
  - Berg, Kenneth R.; Sundquist, Roger L.; and Truong, Liem V., 4,807,351, Cl. 29-432.000.
- Sundquist, Stephen K.: *See—*
  - Penney, Richard C.; Kukowski, Thomas R.; Sundquist, Stephen K.; and Mike, Charles J., 4,848,361, Cl. 128-774.000.
  - Timm, Gerald W.; and Sundquist, Stephen K., 4,881,531, Cl. 128-79.000.
- Sundqvist, Lars-Erik: *See—*
  - Eriksson, Rolf; Hammarlund, Gudmar; and Sundqvist, Lars-Erik, 4,880,395, Cl. 439-507.000.
- Sunds Defibrator Aktiebolag: *See—*
  - Eriksson, Hans E. K., 4,861,433, Cl. 162-323.000.
  - Hoden, Ebbe; and Guggenberger, Erich, 4,831,713, Cl. 29-564.300.
  - Lindstrom, Alf I., 4,808,310, Cl. 210-401.000.
  - Reinhall, Rolf B., 4,878,997, Cl. 162-23.000.
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  - Karna, Juhani; and Pahlman, Heikki, 4,878,020, Cl. 324-207.000.
- Sundstrand Corporation: *See—*
  - Aarestad, Jerome K., 4,880,352, Cl. 415-182.100.
  - Ames, John E., 4,878,809, Cl. 416-151.000.
  - Avny, Eli, 4,842,109, Cl. 192-8.00R.
  - Bansal, Madan L.; and Byrd, William A., 4,833,356, Cl. 310-207.000.
  - Bansal, Madan L.; and Byrd, William A., 4,874,972, Cl. 310-57.000.
  - Batakis, Anthony; and Shekleton, Jack R., 4,862,693, Cl. 60-739.000.
  - Biagini, Guido, 4,830,096, Cl. 165-41.000.
  - Bihlmaier, John A., 4,836,559, Cl. 277-26.000.
  - Blewett, Michael; and Nelson, Thomas, 4,867,195, Cl. 137-206.000.
  - Buford, John T., 4,794,682, Cl. 29-157.400.
  - Buford, John T.; and Peters, Kerry M., 4,846,112, Cl. 122-21.000.
  - Bundy, John E., 4,801,857, Cl. 318-626.000.
  - Capion, Robert L., 4,797,588, Cl. 310-54.000.
  - Cohen, Mordechai, 4,844,151, Cl. 165-44.000.
  - Collings, Roger J.; and Bannon, David G., 4,850,337, Cl. 126-417.000.
  - Cook, Alex; and Lents, Charles E., 4,805,691, Cl. 165-104.330.
  - Cook, Alex; and Shekhawat, Sampat S., 4,811,185, Cl. 365-17.000.
  - Cook, Alexander, 4,862,341, Cl. 363-37.000.
  - Cook, Alexander; and Barnet, Robert, 4,866,591, Cl. 363-67.000.
  - Cordner, Michael A., 4,858,493, Cl. 74-768.000.
  - Crowe, Lawrence E.; and Sutrina, Thomas A., 4,830,979, Cl. 437-216.000.
  - Cygnor, John E., 4,864,815, Cl. 60-39.141.
  - Dhyanchand, John J.; Shekhawat, Sampat F.; and Nguyen, Vietson M., 4,862,342, Cl. 363-40.000.
  - Dishner, Bryan W., 4,801,859, Cl. 323-224.000.
  - Dishner, Bryan W.; and Dhyanchand, P. John, 4,835,448, Cl. 318-254.000.
  - Dishner, Bryan W.; Maddali, Vijay K.; and Dhyanchand, P. John, 4,841,202, Cl. 318-14.000.
  - Dobbs, Bradley A.; Wigmore, David B.; and Niggemann, Richard E., 4,883,117, Cl. 165-164.000.
  - Dobbs, Daniel R., 4,831,897, Cl. 74-411.000.
  - Dussourd, Jules L., 4,886,530, Cl. 55-199.000.
  - Erikson, Evans W.; Reynolds, Richard W.; and Ryan, Daniel M., 4,817,459, Cl. 74-687.000.
  - Fisher, Mark J., 4,851,135, Cl. 210-791.000.
  - Fluegel, Theodore D., 4,888,493, Cl. 290-4.00C.
  - Flygare, Wayne A.; Olson, Raymond N.; Reynolds, Richard W.; and Aleem, Mohd A., 4,882,513, Cl. 310-114.000.
  - Fudim, Efrem V., 4,840,064, Cl. 73-290.00B.
  - Gillingham, Gary D.; and Milius, Craig G., 4,827,787, Cl. 74-411.500.
  - Glennon, Timothy F.; and McCracken, William E., 4,868,406, Cl. 290-4.00R.
  - Gravelle, Homer E., 4,867,633, Cl. 415-106.000.
  - Griffey, Edwin K., 4,887,479, Cl. 74-424.8NA.
  - Hagshenas, Behzad, 4,878,805, Cl. 415-169.100.
  - Hallman, John H.; Powers, Theodore C.; and Thomas, Peter B., Jr., 4,844,691, Cl. 415-169.100.
  - Henderson, Eric A., 4,874,961, Cl. 307-87.000.
  - Hernden, Michael R., 4,806,810, Cl. 310-89.000.
  - Hosford, Gregory S., 4,825,650, Cl. 60-267.000.
  - Hulsing, Rand H., 4,814,680, Cl. 318-561.000.
  - Huss, John B., 4,879,484, Cl. 310-114.000.
  - Hutchison, Richard M., 4,815,930, Cl. 415-117.000.
  - Iseman, Walter J., 4,794,756, Cl. 60-489.000.
  - Iseman, Walter J., 4,817,461, Cl. 74-720.000.
  - Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,812,943, Cl. 361-92.000.
  - Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,814,934, Cl. 361-88.000.
  - Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,879,624, Cl. 361-65.000.
  - Jones, Teddy L., 4,876,906, Cl. 74-89.150.
  - Joy, Theodore J., 4,818,397, Cl. 210-232.000.
  - Kasarsky, James L.; Scanlon, John F.; Church, John; and Wigell, Gary, 4,834,616, Cl. 416-229.00R.
  - Kelley, Arthur W.; and Owens, William R., 4,833,337, Cl. 307-11.000.
  - Klopfenstein, Brent A.; and Lang, David J., 4,834,225, Cl. 192-7.000.
  - Kopp, Norman L., 4,808,869, Cl. 310-78.000.
  - Lang, David J., 4,795,110, Cl. 244-3.240.
  - Layer, John C., 4,838,403, Cl. 192-141.000.
  - Lichtfuss, Gerhardt E., 4,840,498, Cl. 384-213.000.
  - Maresko, William A., 4,844,202, Cl. 184-6.120.
  - Metcalf, Jeffrey D., 4,865,269, Cl. 244-75.00A.
  - Metcalf, Jeffrey D.; and Klopfenstein, Brent A., 4,867,295, Cl. 192-141.000.
  - Metcalf, Jeffrey D.; and Layer, John C., 4,869,106, Cl. 73-509.000.
  - Metcalf, Jeffrey D.; and Klopfenstein, Brent A., 4,884,401, Cl. 60-403.000.
  - Miller, Patrick C., 4,850,796, Cl. 415-150.000.
  - Mokadam, Raghunath G., 4,809,521, Cl. 62-498.000.
  - Morgan, David; and Straznickas, Donald A., deceased, 4,846,113, Cl. 122-21.000.
  - Mueller, Brad, 4,815,699, Cl. 251-129.110.
  - Myers, H. Allen, 4,864,994, Cl. 123-386.000.
  - Ng, Chai-Nam; and Dhyanchand, John J., 4,797,802, Cl. 363-87.000.
  - Niggemann, Richard E.; and Nguyen, Dam C., 4,880,055, Cl. 165-167.000.
  - Niggermann, Richard E., 4,825,899, Cl. 137-334.000.
  - Nold, Robert D., 4,806,814, Cl. 310-68.00D.
  - Nold, Robert D., 4,825,531, Cl. 29-596.000.
  - Nold, Robert D., 4,827,165, Cl. 310-68.00D.
  - Oilschlager, James D., Jr., 4,868,906, Cl. 310-113.000.
  - Okey, David W.; Church, John S.; Saatchi, Hossein; and Scanlon, John F., 4,837,251, Cl. 523-218.000.
  - Owens, William R., 4,868,412, Cl. 307-141.000.
  - Owens, William R., 4,876,854, Cl. 60-641.800.
  - Patel, Navinchandra R.; and Schwarz, Robert A., 4,881,001, Cl. 310-258.000.
  - Quick, David C., 4,843,912, Cl. 74-801.000.
  - Raad, Bernard A.; and Schott, Edmund A., 4,797,590, Cl. 310-68.00D.
  - Raad, Bernard A.; and Dolan, Clarence F., 4,830,412, Cl. 290-31.000.
  - Readman, John, 4,804,196, Cl. 277-75.000.
  - Readman, John, 4,815,525, Cl. 165-41.000.
  - Readman, John, 4,875,826, Cl. 415-89.000.
  - Remstad, Steven C.; and Kassel, John M., 4,886,417, Cl. 415-208.300.
  - Reynolds, David W., 4,874,190, Cl. 285-158.000.
  - Rodgers, Colin, 4,800,717, Cl. 60-39.360.
  - Rodgers, Colin, 4,821,506, Cl. 60-39.200.
  - Rodgers, Colin, 4,845,944, Cl. 60-39.142.
  - Rodgers, Colin; and Vershure, Roy W., Jr., 4,864,812, Cl. 60-39.091.
  - Rodgers, Colin, 4,885,909, Cl. 60-39.020.
  - Roe, Derrick I.; Rozman, Christopher J.; and Recker, Bradley J., 4,875,148, Cl. 363-41.000.
  - Roe, Derrick I.; Rozman, Christopher J.; and Recker, Bradley J., 4,882,120, Cl. 363-98.000.
  - Roesler, Carl A., 4,871,303, Cl. 417-434.000.
  - Rozman, Christopher J.; Roe, Derrick I.; and Recker, Bradley J., 4,875,149, Cl. 363-41.000.
  - Russ, David E., 4,869,126, Cl. 74-665.0GA.
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  - Scanlon, John F.; Bolgert, Thomas A.; Okey, David W.; and Sherman, William D., 4,817,853, Cl. 228-121.000.
  - Scanlon, John F.; Warner, Shawn A.; and Bengtson, Alan D., 4,832,118, Cl. 165-164.000.
  - Scanlon, John F.; and Sherman, William D., 4,849,247, Cl. 427-34.000.
  - Schmitt, Dwight, 4,849,845, Cl. 361-56.000.
  - Schuh, Paul A., 4,834,622, Cl. 419-307.000.
  - Severson, Mark H., 4,865,267, Cl. 244-53.00B.
  - Shekhawat, Sampat S.; Shah, Mahesh J.; Vaidya, Jayant G.; and Dhyanchand, John J., 4,847,745, Cl. 363-132.000.
  - Shekhawat, Sampat S.; Dhyanchand, John J.; and Horowy, John, 4,885,486, Cl. 307-570.000.
  - Shekleton, Jack R.; Johnson, Douglas C.; and Lafferty, Melvin K., 4,794,754, Cl. 60-39.360.
  - Shekleton, Jack R., 4,825,640, Cl. 60-39.360.
  - Sherbrooke, James C., 4,848,663, Cl. 239-265.190.
  - Short, Keith E., 4,808,817, Cl. 250-231.0SE.
  - Sidransky, Fred, 4,859,145, Cl. 415-211.100.
  - Stroze, Mark S., 4,836,693, Cl. 384-121.000.
  - Stroze, Mark S.; and Reynolds, Richard W., 4,875,403, Cl. 91-482.000.
  - Tyler, Thomas R., 4,802,817, Cl. 415-157.000.
  - Vershure, Roy W., Jr.; Rodgers, Colin; and Shekleton, Jack R., 4,815,277, Cl. 60-39.142.
  - Vershure, Roy W., Jr.; Rodgers, Colin; and Shekleton, Jack R., 4,819,423, Cl. 60-39.020.
  - Vershure, Roy W., Jr., 4,827,716, Cl. 60-39.070.
  - Vicari, John J.; and Suttie, Peter J., 4,879,662, Cl. 364-510.000.
  - Wehner, Jeffrey M.; Bettenga, James L.; Biagini, Guido; Godecker, William J.; and Wigmore, David B., 4,869,071, Cl. 62-133.000.
  - Welch, Richard C., 4,883,148, Cl. 184-6.400.
  - White, Robert C., 4,815,278, Cl. 60-39.281.
  - White, Robert C., 4,829,973, Cl. 123-609.000.
  - White, Robert C., 4,833,369, Cl. 315-209.00T.
  - White, Robert C., 4,835,454, Cl. 323-222.000.
  - Williams, Keith R., 4,815,289, Cl. 60-327.000.
  - Zeiser, Philip; and Readman, John, 4,861,313, Cl. 464-89.000.
- Sundstrand Data Control, Inc.: *See—*
  - Bateman, Charles D., 4,849,756, Cl. 340-970.000.
  - Bateman, Charles D., 4,857,923, Cl. 340-970.000.
  - Chisholm, John P., 4,866,450, Cl. 342-410.000.
  - Hanson, Richard A.; Peters, Rex B.; Norling, Brian L.; and Urbach, Edward A., 4,872,342, Cl. 73-517.00R.
  - Hirsch, Kelly L., 4,810,922, Cl. 310-316.000.
  - Hulsing, Rand H.; and Peters, Rex B., 4,799,385, Cl. 73-505.000.
  - Hulsing, Rand H., 4,811,602, Cl. 73-505.000.
  - Hulsing, Rand H., 4,848,156, Cl. 73-505.000.
  - Hulsing, Rand H., 4,864,86[illegible], Cl. 73-517.0AV.
  - Hulsing, Rand H., II, 4,812,977, Cl. 364-422.000.
  - Hulsing, Rand H., II, 4,821,572, Cl. 73-505.000.
  - Hulsing, Rand H., II; Peters, Rex B.; and Norling, Brian L., 4,881,408, Cl. 73-517.0AV.
  - MacGugan, Douglas C., 4,825,166, Cl. 324-346.000.
  - Merhav, Shmuel J., 4,870,588, Cl. 364-453.000.
  - Norling, Brian L., 4,879,914, Cl. 73-862.590.
  - Paterson, Noel S., 4,818,992, Cl. 340-970.000.
  - Peters, Rex B., 4,797,822, Cl. 364-422.000.
  - Peters, Rex B.; and Cornelius, Craig J., 4,872,343, Cl. 73-517.0AV.
  - Vermilion, Everette E., 4,828,382, Cl. 356-1.000.
- Sundstrand Heat Transfer, Inc.: *See—*
  - Hill, David T., 4,877,087, Cl. 165-181.000.
- Sundstrom, Erik, to Ideab. Device for detachable and repeatable clamping of two objects to each other. 4,833,760, 5-30-89, Cl. 24-609.000.
- Sundstrom, Lowell W., Jr. Emergency fuel transfer accessory. 4,860,785, 8-29-89, Cl. 137-351.000.
- Sundstrom, Ray D., to Motorola, Inc. Controlled voltage drop diode. 4,814,852, 3-21-89, Cl. 357-51.000.
- Sundstrom, Robert L.: *See—*
  - Harris, J. Roy; and Sundstrom, Robert L., 4,816,849, Cl. 354-120.000.
- Sundt, Thoralf M. Surgical probe and suction device. 4,878,900, 11-7-89, Cl. 604-119.000.
- Sundwiger Eisenhutte Maschinenfabrik Grah & Co.: *See—*
  - Rennebaum, Heinrich, 4,805,433, Cl. 72-242.000.
  - Sporenberg, Willi; and Lefor, Karl, 4,866,967, Cl. 72-129.000.
- Sung, Chiakang: *See—*
  - Millhollan, Michael S.; and Sung, Chiakang, 4,841,176, Cl. 307-475.000.
- Sung, Chong S. P., to University of Connecticut. Fluorescene technique to monitor cure in polymers. 4,885,254, 12-5-89, Cl. 436-85.000.
- Sung, Eric: *See—*
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  - Nuesslein, Hans; Puchta, Rolf; Voelkel, Theodor; and Sung, Eric, 4,851,140, Cl. 252-8.800.
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- Sung, Henry H. Necktie with holding means. 4,827,536, 5-9-89, Cl. 2-145.000.
- Sung, Ken, to NCR Corporation. Fluid level controller. 4,844,117, 7-4-89, Cl. 137-386.000.
- Sung, Rak M. Hula doll having compound motions. 4,875,886, 10-24-89, Cl. 446-298.000.
- Sung, Rodney L.; Zoleski, Benjamin H.; and O'Rourke, Ronald L., to Texaco Inc. Oxidation and corrosion resistant diesel engine lubricant. 4,808,335, 2-28-89, Cl. 252-47.500.
- Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., to Texaco Inc. Reaction product additive and ori-inhibited motor fuel composition. 4,810,261, 3-7-89, Cl. 44-62.000.
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- Sung, Rodney L.; and Kaufman, Benjamin J., to Texaco Inc. Bicyclic keto-acids preparation. 4,857,661, 8-15-89, Cl. 562-502.000.
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  - Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,820,776, Cl. 525-279.000.
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- Sungaila, Zenon F., to United States of America, Energy. Low temperature cryoprobe. 4,831,846, 5-23-89, Cl. 62-51.300.
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  - Cheng, David S. K.; and Wang, Andrew S., 4,843,005, Cl. 435-240.490.
  - Close, Kelly R., 4,830,966, Cl. 435-240.490.
  - Hemphill, John K.; and Warshaw, Claire A., 4,837,152, Cl. 435-240.490.
  - Wang, Andrew S., 4,806,483, Cl. 435-240.490.
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  - Close, Kelly R., 4,830,966, Cl. 435-240.490.
- Sunkara, Sai P.: *See—*
  - Edwards, Michael L.; Sunkara, Sai P.; and Stemerick, David M., 4,863,968, Cl. 514-646.000.
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  - Banasiak, Lothar; Edlich, Wilfried; Lyr, Horst; Nega, Eva; and Sunkel, Marianne, 4,879,291, Cl. 514-237.800.
- Sunkit Co., Ltd.: *See—*
  - Miura, Ryuichi; and Nakao, Toshinobu, 4,861,401, Cl. 156-94.000.
- Sunley, Raymond: *See—*
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  - Davis, James K.; Althen, Wayne W.; Cloutier, Daniel R.; and Schnitzler, Gerry R., 4,887,221, Cl. 364-474.230.
  - Rutter, Harold T.; and Ondrus, Joseph F., 4,796,363, Cl. 33-164.00R.
  - Rutter, Harold T., 4,809,440, Cl. 33-178.00R.
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- Sunnen, Robert M.: *See—*
  - Vanderwal, Frank E., Jr.; and Sunnen, Robert M., 4,827,674, Cl. 51-217.00R.
- Sunny's Waterbeds & Accessories, Inc.: *See—*
  - Lupo, Anthony C., 4,878,259, Cl. 5-451.000.
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  - Katayama, Akihiro; Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, 4,878,125, Cl. 358-443.000.
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  - Tamura, Toru; Sunohara, Masaaki; Ito, Akio; and Nakatani, Yoshio, 4,849,151, Cl. 264-294.000.
- Sunouchi, Daigo: *See—*
  - Kondo, Ryohei; Harashima, Ikuo; and Sunouchi, Daigo, 4,815,633, Cl. 222-129.400.
- Sunpower, Inc.: *See—*
  - Beale, William T., 4,802,332, Cl. 60-520.000.
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  - Redlich, Robert W., 4,864,232, Cl. 324-207.000.
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  - Knight, John D.; Shapiro, Robert D.; Banks, Frank H.; Mitchell, Andrew; Sunray, Barry S.; and DeFrancesco, Robert A., 4,845,486, Cl. 340-618.000.
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- Sunshine, Abraham; and Laska, Eugene M., to Analgesic Associates. Onset-hastened/enhanced analgesia. 4,868,214, 9-19-89, Cl. 514-568.000.

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Sunshine Biscuits, Inc.: *See—*
  Shadrach, William S., III; Mandler, Michael; Moch, Ihor D.; Zitomer, Bernard; and Stewart, John L., II, 4,872,555, Cl. 206-459.000.
Sunshine, Steven A.: *See—*
  Cava, Robert J.; and Sunshine, Steven A., 4,880,771, Cl. 505-1.000.
Sunsoft Corp.: *See—*
  Neefe, Charles W., 4,840,477, Cl. 351-162.000.
  Neefe, Charles W., 4,865,439, Cl. 351-162.000.
  Neefe, Charles W., 4,865,440, Cl. 351-162.000.
  Neefe, Charles W., 4,867,552, Cl. 351-162.000.
Sunstar Engineering Inc.: *See—*
  Nagata, Tsuyoshi; Nakamune, Kenichi; and Fujita, Katsuto, 4,832,580, Cl. 417-290.000.
  Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.
  Tsuyoshi, Nagata; Katsuto, Fujita; and Shinji, Okuda, 4,843,874, Cl. 73-150.00R.
  Tsuyoshi, Nagata; and Katsuto, Fujita, 4,881,289, Cl. 15-168.000.
Sunstar Giken Kabushiki Kaisha: *See—*
  Kuriyama, Akira; and Yamaguchi, Mikiko, 4,818,804, Cl. 526-211.000.
  Kuriyama, Akira, 4,849,183, Cl. 422-136.000.
  Kuriyama, Akira; and Okuno, Tatsuya, 4,851,481, Cl. 525-454.000.
  Nakata, Yoshihiro; and Kunishige, Tadao, 4,804,710, Cl. 525-111.000.
  Okamura, Chikaaki; Fujita, Akihito; Nagao, Tamotu; and Yoshida, Fumihiko, 4,865,904, Cl. 428-215.000.
Sunstar Kabushiki Kaisha: *See—*
  Hasegawa, Kenji; Matsui, Kyaji; Kita, Seiji; Kubo, Seiichiro; and Iida, Seiichi, 4,795,444, Cl. 604-218.000.
  Tamabuchi, Hiroshi, 4,818,521, Cl. 424-62.000.
Sunstein, Drew E.; and Caseley, Clifford D., to Circuits and Systems, Inc. Enhanced system for transmission loss comparison. 4,856,906, 8-15-89, Cl. 356-435.000.
Sunstone Inc.: *See—*
  Kabay, Gabriella H.; and Kabay, Ernest, 4,857,228, Cl. 252-301.40S.
Sunstrand Corporation: *See—*
  Dussourd, Jules L., 4,832,565, Cl. 415-110.000.
  Schuh, Paul A., 4,809,497, Cl. 60-39.270.
  Tysver, John D.; and Grimm, Duane, 4,877,120, Cl. 192-141.000.
  White, Robert C., 4,794,760, Cl. 60-39.070.
Suntec Industries Incorporated: *See—*
  Harwath, Frank L., 4,856,553, Cl. 137-509.000.
Sunter, Stephen K., to Northern Telecom Limited. Current-mirror-biased pre-charged logic circuit. 4,797,580, 1-10-89, Cl. 307-451.000.
Sunter, Stephen K.; and Sunatori, Go S., to Northern Telecom Limited. Integrated circuit chip manufacture. 4,885,625, 12-5-89, Cl. 357-45.000.
Suntex Industries Incorporated: *See—*
  Harwath, Frank L., 4,858,884, Cl. 251-61.400.
Suntiger, Inc.: *See—*
  Johansen, Laurie A.; and Diffendaffer, Paul, 4,878,748, Cl. 351-44.000.
Suntory Limited: *See—*
  Ashikari, Toshihiko; Nakamura, Norihisa; Tanaka, Yoshikazu; Shibano, Yuji; and Yoshizumi, Hajime, 4,863,864, Cl. 435-205.000.
  Cho, Hidetsura; and Ueda, Masaru, 4,824,837, Cl. 514-356.000.
  Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, 4,826,870, Cl. 514-422.000.
  Inada, Yuji; and Takahashi, Katsunobu, 4,822,877, Cl. 540-145.000.
  Koga, Kunimasa; Fujikawa, Shigeaki; and Fukui, Yuko, 4,878,921, Cl. 8-646.000.
  Kyougoku, Nobuo; and Harada, Hitoshi, 4,882,463, Cl. 219-10.55E.
  Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
  Miyano, Seiji; Sumoto, Kunihiro; and Satoh, Fumio, 4,831,049, Cl. 514-413.000.
  Nakanishi, Toshihiro; Fukuda, Yoshiaki; Miura, Kenju; and Nakazato, Hiroshi, 4,820,641, Cl. 435-240.270.
  Ohfune, Yasufumi; and Sakaitani, Masahiro, 4,803,292, Cl. 560-29.000.
  Ohfune, Yasufumi; and Sakaitani, Masahiro, 4,837,349, Cl. 556-420.000.
  Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.
  Okitsu, Mitsuhito, 4,843,083, Cl. 514-318.000.
  Oshima, Takehiro; Tanaka, Shoji; and Matsukura, Shigekazu, 4,871,663, Cl. 435-68.000.
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  Shirasawa, Honai; Sugeno, Hiroto; Eto, Shigeo; and Saito, Hiroshi, 4,859,342, Cl. 210-656.000.
  Sugimura, Keijiro; Sugimoto, Shunjiro; and Shirasawa, Hounai, 4,874,697, Cl. 435-68.000.
  Suwa, Yoshihide; Kobayashi, Takumi; Ishigouoka, Hiroshi; and Ono, Miyoko, 4,867,990, Cl. 426-8.000.
  Tanaka, Takaharu; Saitoh, Masayuki; Higuchi, Naoki; and Hashimoto, Masaki, 4,873,342, Cl. 548-518.000.
  Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, 4,845,094, Cl. 514-228.200.
  Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, 4,889,853, Cl. 514-227.500.
  Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,819,552, Cl. 99-277.200.
  Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,889,743, Cl. 426-495.000.
Sunwell Engineering Company Limited: *See—*
  Goldstein, Vladimir, 4,796,441, Cl. 62-354.000.
  Goldstein, Vladimir L., 4,802,530, Cl. 165-94.000.
  Goldstein, Vladimir L.; and Sukhwal, Ram N., 4,809,513, Cl. 62-59.000.
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Sunyich, Steven L. Credit card storage system. 4,883,948, 11-28-89, Cl. 235-382.000.
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  Kerr, Reginald J.; and Suo-Anttila, Tapio, 4,829,287, Cl. 340-541.000.
Suomala, John E.: *See—*
  Pinkerton, Steven J.; Mungovan, John P.; Suomala, John E.; and Austin, Steven A., 4,816,057, Cl. 65-164.000.
Suomen Calcusan Oy-Finska Calcussan AB: *See—*
  Kotilainen, Risto M.; and Lilius, Kaj R., 4,885,156, Cl. 424-54.000.
Supac Systems, Inc.: *See—*
  Zur, Joseph G., 4,856,956, Cl. 414-280.000.
Supal, Mark L. Inflatable buoyancy belt. 4,842,562, 6-27-89, Cl. 441-94.000.
Supedo Pty. Ltd.: *See—*
  Walley, Rex D., 4,867,624, Cl. 411-3.000.
Super Market Systems: *See—*
  Chappoux, Claude; Rouesnel, Bernard; and Gillet, Guy, 4,840,264, Cl. 194-212.000.
Super Sack Manufacturing Corporation: *See—*
  Derby, Norwin C., 4,878,600, Cl. 222-105.000.
Super Sagless Corporation: *See—*
  Hartline, Michael F., 4,861,101, Cl. 297-69.000.
  Lawson, Gregory M., 4,826,243, Cl. 297-85.000.
  May, Teddy J., 4,815,788, Cl. 297-68.000.
  Tacker, Bill D., 4,805,960, Cl. 297-85.000.
  Tacker, Bill D., 4,878,710, Cl. 297-68.000.
Super Seal Mfg. Ltd.: *See—*
  Moore, David W., 4,821,468, Cl. 52-2.000.
Super S.P.A.: *See—*
  Varvello, Angelo, 4,849,230, Cl. 426-27.000.
Superba, Inc.: *See—*
  Mandelbaum, Andrew M., 4,842,131, Cl. 206-45.150.
Superba S. A.: *See—*
  Enderlin, Robert; Schutz, Richard A.; and Drean, Jean-Yves, 4,843,879, Cl. 73-100.000.
SuperDrive Systems, Inc.: *See—*
  Bowman, Richard G., 4,823,055, Cl. 318-314.000.
Superfeet In-Shoe Systems, Inc.: *See—*
  Brown, Dennis N., 4,869,001, Cl. 36-115.000.
Superior Electric Company, The: *See—*
  Anderson, Frank J.; and Senak, Peter, Jr., 4,868,477, Cl. 318-696.000.
  Carmen, Ralph, 4,853,631, Cl. 324-208.000.
  Carmen, Ralph; and Campbell, Peter, 4,866,382, Cl. 324-208.000.
Superior Gear Box Company: *See—*
  Edwards, Wallace L.; and Thomson, Stewart L., 4,800,771, Cl. 74-467.000.
Superior-Industries International, Inc.: *See—*
  Borick, Avron W.; and Escue, Ronald F., 4,815,610, Cl. 211-59.100.
  Helvey, Alex, 4,813,268, Cl. 73-40.700.
  Kinkel, Stephen W.; and Kinkel, Peter J., III, 4,828,312, Cl. 296-37.600.
Superspine, Inc.: *See—*
  Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,799,475, Cl. 128-25.00R.
  Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,846,465, Cl. 272-127.000.
  Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,858,918, Cl. 272-127.000.
  Iams, John F.; Splane, Robson L., Jr.; and Drusch, John A., III, 4,886,050, Cl. 128-25.00R.
Superstill Corporation: *See—*
  Sears, Stephan B., 4,869,067, Cl. 60-645.000.
Supfina Maschinenfabrik Hentzen KG: *See—*
  Schmitz, Heinz G., 4.827,677, Cl. 51-281.0SF.
  Schmitz, Heinz-Gunter; and Konken, Johann, 4,811,523, Cl. 51-131.100.
Supik, Helmuth, to Deutsche Gesellschaft fur Wiederaufarbeitung von Kernbrennstoffen mbH. Seal for turning valve bodies, in particular for valves in nuclear-engineering plants. 4,818,469, 4-4-89, Cl. 376-203.000.
Supnik, Robert M.: *See—*
  Rubinfeld, Paul I.; Uhler, G. Michael; and Supnik, Robert M., 4,851,991, Cl. 364-200.000.
Supp, Emil: *See—*
  Voeste, Theodor; and Supp, Emil, 4,854,943, Cl. 48-196.00A.

Supplee, Frank H., Jr.: *See—*
  Tcheng, Ping; and Supplee, Frank H., Jr., 4,836,035, Cl. 73-862.610.
Support Systems International, Inc.: *See—*
  Goodwin, Vernon L., 4,879,777, Cl. 5-453.000.
Supra, Carl F. W., to Liberty Pool Products S.A. Pool cleaner. 4,849,024, 7-18-89, Cl. 134-21.000.
Supra, Carl F. W., to Liberty Pool Products S.A. Apparatus for use with a pool cleaner. 4,876,001, 10-24-89, Cl. 210-123.000.
Supra Products, Inc.: *See—*
  Barrett, Philip D.; Henderson, Walter G.; and Larson, Wayne F., 4,887,292, Cl. 379-103.000.
  Larson, Wayne F., 4,831,851, Cl. 70-303.00A.
Supreme Aluminum Products: *See—*
  Henderson, Robert M.; and Aspinall, William, 4,825,519, Cl. 29-33.00K.
Suprex Corporation: *See—*
  Kumar, M. Lalith, 4,814,089, Cl. 210-659.000.
  Kumar, M. Lalith, 4,871,453, Cl. 210-198.200.
Suprono, Paul W., to Nortek Corporation. Hanger. 4,824,057, 4-25-89, Cl. 248-62.000.
Sur-Fire, Inc.: *See—*
  Meredith, Jerry R., 4,795,938, Cl. 313-143.000.
Surakov, Anatoly M.: *See—*
  Kanaljuk, Viktor L.; Surakov, Anatoly M.; Chornogotsky, Vasily M.; and Shifrin, Lazar N., 4,880,944, Cl. 174-138.00E.
Suranyi, Robert: *See—*
  Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
Suratco Products Company: *See—*
  Stamstad, Robert E., 4,882,055, Cl. 210-483.000.
Surber, Christian: *See—*
  Cirelli, Giorgio; Steffen, Hans; and Surber, Christian, 4,886,499, Cl. 604-131.000.
Surcina, Karen A.: *See—*
  Ryntz, Rose A.; Surcina, Karen A.; and Kurple, Kenneth R., 4,855,359, Cl. 525-130.000.
Sure-Step, Inc.: *See—*
  Rinke, Robert M., 4,848,515, Cl. 182-20.000.
Sureau, Jean-Claude, to Radant Technologies, Inc. Electromagnetic energy shield. 4,864,321, 9-5-89, Cl. 343-872.000.
Surelab Superior Research Laboratories, Inc.: *See—*
  Anderson, Alf, 4,799,725, Cl. 294-19.200.
Surendra, Sehgal N.; and Vezina, Claude, to American Home Products Corporation. Use of rapamycin in treatment of certain tumors. 4,885,171, 12-5-89, Cl. 424-122.000.
Suresh, Dev D.; Seely, Michael J.; Braz[illegible], James F.; and Grasselli, Robert K., to Standard Oil Company, The. Catalyst performance improvement via separate boron addition. 4,855,275, 8-8-89, Cl. 502-353.000.
Suresh, Dev D.: *See—*
  DiCosimo, Robert; Burrington, James D.; and Suresh, Dev D., 4,876,348, Cl. 546-252.000.
Surface Combustion, Inc.: *See—*
  Hoetzl, Max; Stahl, Robert M.; and Franceschina, Louis E., 4,834,344, Cl. 266-90.000.
  Verhoff, Stephen H.; and Tackett, Garrol, 4,853,046, Cl. 148-16.500.
Surface Technology, Inc.: *See—*
  Kolar, Richard A., 4,800,119, Cl. 428-283.000.
  Lancsek, Thomas S., 4,859,494, Cl. 427-47.000.
  Lindsay, Deborah J.; and Feldstein, Nathan, 4,820,547, Cl. 427-97.000.
Surface, Wayne C. Bait container. 4,862,634, 9-5-89, Cl. 43-55.000.
Surgeonics Limited: *See—*
  McKinley, Milton A.; and Castelli, Charles C., 4,844,335, Cl. 237-8.00R.
Surgical Dynamics, Inc.: *See—*
  Klyce, Henry; and Clawson, Benjamin S., 4,863,430, Cl. 604-164.000.
Surgical Systems & Instruments, Inc.: *See—*
  Shiber, Samuel, 4,819,634, Cl. 128-305.000.
  Shiber, Samuel, 4,842,579, Cl. 604-22.000.
  Shiber, Samuel, 4,883,458, Cl. 604-22.000.
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Surgidyne, Inc.: *See—*
  McNeil, Charles B.; McEvoy, Thomas J.; and Dahlquist, Jeffery D., 4,828,546, Cl. 604-73.000.
Surgikos, Inc.: *See—*
  Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., 4,847,304, Cl. 514-699.000.
  Bruckner, Norman I.; Gordon, Michael D.; and Howell, Ronald G., 4,851,449, Cl. 514-698.000.
  Jacobs, Paul T., 4,804,685, Cl. 514-698.000.
  Stockum, Glenn F., 4,853,978, Cl. 2-167.000.
  Williams, Harold R.; and Spencer, Robert M., 4,817,800, Cl. 206-484.000.
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Suriano, John R.; Staarmann, Patrick J.; Tracht, Steven L.; and Mueller, Dennis L., to General Motors Corporation. Vehicle window wiper with three brush motor and speed limiting. 4,843,286, 6-27-89, Cl. 318-443.000.
Surig, Andreas, to Dragerwerk Aktiengesellschaft. Monitoring apparatus for monitoring temperature in a circuit arrangement. 4,851,954, 7-25-89, Cl. 361-103.000.
Surinak, John J. Submergible pump connecting ejector adapter and guide rail assembly. 4,886,426, 12-12-89, Cl. 417-360.000.
Surinder, Rai: *See—*
  Leake, William W.; and Surinder, Rai, 4,885,485, Cl. 307-542.000.
Surjaatmadja, Jim B.: *See—*
  Nickles, Stephen K.; Surjaatmadja, Jim B.; Haley, John E.; and Wienck, Lynn K., 4,853,883, Cl. 364-578.000.
Surland, George J.: *See—*
  Lussier, Roger J.; and Surland, George J., 4,836,913, Cl. 208-120.000.
Surles, Billy W.: *See—*
  Friedman, Robert H.; and Surles, Billy W., 4,800,960, Cl. 166-276.000.
  Friedman, Robert H.; and Surles, Billy W. 4,817,720, Cl. 166-295.000.
  Friedman, Robert H.; and Surles, Billy W., 4,842,072, Cl. 166-295.000.
Suroff, Hyman. Wheel locking apparatus. 4,888,969, 12-26-89, Cl. 70-226.000.
Surovegin, Jury V.: *See—*
  Sivachenko, Leonid A.; Balovnev, Vladilen I.; Surovegin, Jury V.; Maximenko, Alexei N.; Moiseenko, Vladimir V.; and Gobralev, Nikolai N., 4,827,455, Cl. 366-292.000.
Surprises, Inc.: *See—*
  Kirschner, Ann S., 4,836,437, Cl. 229-8.000.
Surratt, Grover T.: *See—*
  Bishop, Thomas P.; Davis, Mark H.; Fish, Robert W.; Peterson, James S.; and Surratt, Grover T., 4,811,216, Cl. 364-200.000.
  Bishop, Thomas P.; Butvila, Jonas; Fitch, David J.; Hansen, Robert C.; Schmitt, David A.; and Surratt, Grover T., 4,823,256, Cl. 364-200.000.
Surrey Medical Imaging Systems Ltd.: *See—*
  Taylor, David G., 4,876,508, Cl. 324-309.000.
Surti, Tyrone N. Ribbon cartridge. 4,820,067, 4-11-89, Cl. 400-208.000.
Surti, Tyrone N. Endless loop ribbon cassette with ordered storage. 4,826,334, 5-2-89, Cl. 400-196.100.
Surva, Ronald R.: *See—*
  Gabel, Edward R.; Surva, Ronald R.; Hanson, William J.; and Burke, Mary B., 4,869,921, Cl. 427-14.100.
Survival Technology, Inc.: *See—*
  Fournier, Donald J.; Jacobs-Perkins, Douglas W.; and Tarello, William R., 4,834,149, Cl. 141-1.000.
  Greenwold, Douglas J.; and Reinhold, Herbert E., Jr., 4,889,134, Cl. 128-696.000.
  Reinhold, Herbert E., Jr.; and Greenwold, Douglas J., 4,862,896, Cl. 128-696.000.
  Sarnoff, Stanley; and Sobel, Burton E., 4,839,170, Cl. 424-94.640.
  Sarnoff, Stanley J., 4,795,433, Cl. 604-134.000.
  Sarnoff, Stanley J., 4,832,682, Cl. 604-21.000.
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Susa, Kenzo: *See—*
  Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, 4,803,392, Cl. 310-311.000.
  Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.
Susa, Michitaro; and Sato, Tadao, to Tensho Electric Industrial Co., Ltd. Far infrared ray radiating mattress. 4,825,868, 5-2-89, Cl. 128-376.000.
Susa, Sumio; Nagara, Toshio; Fukuda, Sunao; Kato, Seiichi; and Muto, Satomi, to Nippondenso Co., Ltd. Automotive radiator. 4,809,773, 3-7-89, Cl. 165-104.320.
Susa, Thomas J., to Ionics, Incorporated. Process for preparing microporous polyvinylidene fluoride membranes. 4,806,291, 2-21-89, Cl. 264-41.000.
Susak, David M., to Motorola, Inc. Operational amplifier. 4,829,265, 5-9-89, Cl. 330-25[illegible].000.
Susaki, Wataru: *See—*
  Isshiki, Kunihiko; Murakami, Takashi; and Susaki, Wataru, 4,815,082, Cl. 372-45.000.
  Kokubo, Yoshihiro; and Susaki, Wataru, 4,797,895, Cl. 372-43.000.
  Kumabe, Hisao; and Susaki, Wataru, 4,841,532, Cl. 372-45.000.
  Kumabe, Hisao; and Susaki, Wataru, 4,883,771, Cl. 437-129.000.
  Shima, Akihiro; and Susaki, Wataru, 4,813,050, Cl. 372-45.000.
Suschitzky, John L.: *See—*
  Cox, David; Hall, David E.; Ingall, Anthony H.; and Suschitzky, John L., 4,851,419, Cl. 514-338.000.
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  Jordan, Heinrich; and Sushardt, Rolf, 4,794,959, Cl. 141-141.000.
Sushinina, Ljudmila P.: *See—*
  Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
Sushita Electric Industrial Co., Ltd.: *See—*
  Yamazaki, Fumio; and Nakatani, Toshifumi, 4,887,000, Cl. 313-422.000.

Sushkov, Yaroslav P.: *See—*
  Shishkin, Viktor V.; Cherebedov, Dmitry N.; Kryazhevskikh, Nikolai F.; Panchenko, Valery P.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chernyai, Alexandr I.; Kapralova, Viktoria I.; and Sulekova, Lidia S., 4,818,298, Cl. 134-22.110.
  Shishkin, Viktor V.; Sushkov, Yaroslav P.; Serazetdinov, Duglas Z.; Lukin, Evgeny G.; Kapralova, Viktoria I.; Polyanskaya, Tamara S.; Abramova, Ljubov I.; Shapovalov, Jury P.; Oleinik, Viktor N.; Kryazhevskikh, Nikolai F.; and Chernyai, Alexandr I., 4,828,796, Cl. 422-13.000.
  Shishkin, Viktor V.; Kryazhevskikh, Nikolai F.; Oleinik, Viktor N.; Sushkov, Yaroslav P.; Lukin, Evgeny G.; Sokol, Petr G.; Chajuk, Igor A.; Lipatov, Jury S.; Veselovsky, Roman A.; and Kiselevsky, Boris A., 4,865,673, Cl. 156-156.000.
Susi, Pietro: *See—*
  Bianco, Carlo; and Susi, Pietro, 4,806,303, Cl. 264-5.040.
Susini, Etienne; and Soubrier, Pierre, to Baxter International Inc. Liquid distribution valve. 4,869,458, 9-26-89, Cl. 251-14.000.
Susini, Etienne; and Soubrier, Pierre, to Baxter International Inc. Conforming device for a flexible film provided with projecting mouthpieces. 4,887,973, 12-19-89, Cl. 493-213.000.
Suska, Charles R. Wrenchable C-clamp. 4,823,636, 4-25-89, Cl. 24-569.000.
Suski, Bronislaw J.: *See—*
  Dorey, Howard A.; and Suski, Bronislaw J., 4,831,304, Cl. 310-311.000.
Suskin, Ned. Roll on shaver and facial groomer. 4,844,890, 7-4-89, Cl. 424-73.000.
Suskind, Stuart P.; Martucci, Susan L. K.; and Israel, Joseph, to James River Corporation of Virginia. High strength hydroentangled nonwoven fabric. 4,808,467, 2-28-89, Cl. 428-284.000.
Susko, John R.: *See—*
  Economy, James; Susko, John R.; Volksen, Willi; and Wheater, Robin A., 4,818,812, Cl. 528-176.000.
  Horwath, Ronald S.; Susko, John R.; and Susko, Robin A., 4,830,706, Cl. 156-643.000.
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Susko, Robin A.: *See—*
  Horwath, Ronald S.; Susko, John R.; and Susko, Robin A., 4,830,706, Cl. 156-643.000.
Suslo, Dan J.: *See—*
  Saxton, Jay R.; Sodt, Andrew J.; and Suslo, Dan J., 4,882,692, Cl. 364-518.000.
Suspa, Incorporated: *See—*
  Schuitema, Frank M., 4,807,855, Cl. 267-64.120.
Suspension Group, Ltd.: *See—*
  Booher, Benjamin V., 4,861,067, Cl. 280-707.000.
  Booher, Benjamin V., 4,889,361, Cl. 280-718.000.
Suss, Christian: *See—*
  Fischer, Walter; and Suss, Christian, 4,802,238, Cl. 455-188.000.
Suss, Harold; and Ner, Virginia F., to Plough, Inc. Alcohol free-liquid makeup composition. 4,857,307, 8-15-89, Cl. 424-63.000.
Suss, Naomi R.: *See—*
  Perez, Leon A.; Hartman, Marvis E.; and Suss, Naomi R., 4,822,685, Cl. 428-423.300.
Sussangkarn, Kawporn: *See—*
  Fodor, Gabor B.; Sussangkarn, Kawporn; and Veltri, Robert W., 4,883,808, Cl. 514-468.000.
Sussman, Alan L.: *See—*
  Kung, Hsiang-Tsung; Hsu, Feng-Hsiung; Sussman, Alan L.; and Nishizawa, Teiji, 4,807,183, Cl. 364-900.000.
Sussman, Howard. Compartmentalized tray for cosmetics and sundries. 4,807,760, 2-28-89, Cl. 206-581.000.
Sussmeier, John, to Perkin-Elmer Corporation, The. Desiccant system. 4,872,891, 10-10-89, Cl. 55-387.000.
Suster, Albert L.: *See—*
  Heindl, Raymond A.; Reiling, Gilbert H.; and Suster, Albert L., 4,853,597, Cl. 313-638.000.
Sustmann, Hans: *See—*
  Coulon, Jean C.; Kramer, Carl; Schaefer, Wolfgang; and Sustmann, Hans, 4,824,695, Cl. 427-168.000.
Susuki, Yoshiharu; and Akeda, Tomoyuki, to Polyplastics Co., Ltd. Method of treating surface of molded polyacetal resin product. 4,826,565, 5-2-89, Cl. 156-668.000.
Susukida, Masato: *See—*
  Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, 4,806,496, Cl. 437-4.000.
  Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
  Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
  Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
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Susumi, Sadao: *See—*
  Ginnaga, Akihiro; Nishihara, Tsukasa; Kawahara, Tetsuo; Susumi, Sadao; Mizokami, Hiroshi; and Sakoh, Mitsuo, 4,885,359, Cl 530-396.000.
Susumu Corporation, Ltd.: *See—*
  Fukushima, Itaru; Okamoto, Takashi; and Deguchi, Hisashi, 4,878,065, Cl. 346-76.0PH.
Susumu, Honda: *See—*
  Masakazu, Kikuchi; Tsutomu, Kurokawa, and Susumu, Honda, 4,855,409, Cl. 530-351.000.
Susumu Mitsuhashi: *See—*
  Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
  Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.
Suszynski, Edward D., to Diatak, Inc. Probe cover ejection apparatus for medical thermometer. 4,863,281, 9-5-89, Cl. 374-158.000.
Sutcliffe, David W., to Micro Peripherals. Method and apparatus for energizing a printhead. 4,848,943, 7-18-89, Cl. 400-124.000.
Sutcliffe, Roger F., to Mill-Max MFg. Corp. Compliant tail connector. 4,799,904, 1-24-89, Cl. 439-733.000.
Sutehall, Ralph: *See—*
  Barnes, Stuart R.; Sutehall, Ralph; and Clarke, Robert S. F., 4,832,441, Cl. 350-96.230.
Suter, Erwin: *See—*
  Robertson, Peter M.; and Suter, Erwin, 4,873,057, Cl. 422-75.000.
Suter, Markus: *See—*
  Ettel, Godwin; and Suter, Markus, 4,862,785, Cl. 89-6.500.
Suter, Richard R., to AT&E Corporation. AGC delay on an integrated circuit. 4,870,372, 9-26-89, Cl. 330-280.000.
Sutera, Richard: *See—*
  Archer, Timothy H. V.; and Sutera, Richard, 4,839,664, Cl 346-1.100.
  Archer, Timothy H. V.; and Sutera, Richard, 4,841,306, Cl 346-1.100.
Suthanthiran, Krishnan, to Best Industries, Inc. Catheter buttons. 4,834,713, 5-30-89, Cl. 604-175.000.
Suthanthiran, Krishnan, to Best Industries, Inc. Storage and transport containers for radioactive medical materials. 4,847,505, 7-11-89, Cl 250-507.100.
Sutherland, Brenda A.: *See—*
  Sutherland, Ronald G.; and Sutherland, Brenda A., 4,852,268, Cl 33-562.000.
Sutherland, Deborah S.: *See—*
  Tomczuk, Bruce E.; and Sutherland, Deborah S., 4,824,951, Cl 546-118.000.
  Tomczuk, Bruce E.; and Sutherland, Deborah S., 4,873,251, Cl 514-303.000.
Sutherland, Douglas: *See—*
  Mulla, Hoshang D.; Sutherland, Douglas; and Jaktdar, Priyadarshan, 4,866,777, Cl. 381-41.000.
Sutherland, George K.: *See—*
  Tucci, Mario A.; and Sutherland, George K., 4,847,598, Cl 340-603.000.
Sutherland, Ivan E. Asynchronous first-in-first-out register structure 4,837,740, 6-6-89, Cl. 364-900.000.
Sutherland, Jack L.: *See—*
  Walker, Watson F.; and Sutherland, Jack L., 4,881,245, Cl 375-38.000.
Sutherland, James F.: *See—*
  Crew, Albert W.; Neuner, James A.; Remley, Gilbert W.; Hager, Robert E.; Chambers, George M.; Delava, Eric A.; Wilbur, Susan A.; Kenny, Thomas J.; and Sutherland, James F. 4,804,515, Cl. 376-216.000.
Sutherland, Jeffrey L. Knee orthosis. 4,873,967, 10-17-89, Cl. 128-80.00C.
Sutherland, Jeffrey W.: *See—*
  Campo, James A.; Sutherland, Jeffrey W.; and Krill, Carl E. III. 4,817,115, Cl. 375-22.000.
Sutherland, John W. H., Jr.: *See—*
  Mack, Arthur R., II; and Sutherland, John W. H., Jr., 4,876,207, Cl 436-135.000.
Sutherland, Karl M.; and Jenusaitia, Matthew, to Baxter International Inc. O_2/CO_2 control in blood oxygenators. 4,874,581, 10-17-89, Cl 422-46.000.
Sutherland, Leslie H.; Sloboda, Adolph E.; Child, Ralph G.; Poletto, John F.; and Powell, Dennis W., to American Cyanamid Company. 2-Phenyl-4-quinoline carboxylic acids. 4,847,381, 7-11-89, Cl 546-156.000.
Sutherland, Ranald M.; Dahne, Claus; and Revillet, Georges, to Prutec Limited. Method for optically ascertaining parameters of species in a liquid analyte. 4,818,710, 4-4-89, Cl. 436-527.000.
Sutherland, Ronald G.; and Sutherland, Brenda A. Lottery ticket template. 4,852,268, 8-1-89, Cl. 33-562.000.
Sutherland, Stephen F., to American Home Products, Corp. Two part mastitis cannula cap. 4,850,970, 7-25-89, Cl. 604-117.000.
Suthers, Mark S.; Este, Grantley O.; Streater, Richard W.; and MacLaurin, Blair K., to Northern Telecom Limited. Saw device with continuous finger pattern. 4,814,658, 3-21-89, Cl. 310-313.00D.
Sutherst, John R.: *See—*
  Annis, David; Brown, Malcolm C.; and Sutherst, John R. 4,857,041, Cl. 600-30.000.

Suto, Hidemi: *See—*
  Akasaki, Yutaka; Sato, Katsuhiro; Tokita, Akihiko; and Suto, Hidemi, 4,833,054, Cl. 430-59.000.
Suto, Mark J.; and Werbel, Leslie M., to Warner-Lambert Company. 2-nitroimidazole derivatives useful as radiosensitizers for hypoxic tumor cells. 4,797,397, 1-10-89, Cl. 514-212.000.
Suto, Mark J.: *See—*
  Sircar, Jagadish C.; Schwender, Charles F.; and Suto, Mark J., 4,806,642, Cl. 544-244.000.
Suto, Seiichi: *See—*
  Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.
Suto, Shohei, to Taiyo Kogyo Co., Ltd. Directional control device for a movable toy. 4,816,795, 3-28-89, Cl. 335-272.000.
Suto, Shugo: *See—*
  Shigei, Masahiro; Suto, Shugo; and Tatsukami, Masahiro, 4,839,757, Cl. 360-99.050.
Suto, Toshihiko; and Suzuki, Katsuo, to Fuji Xerox Co., Ltd. Safety device for fixing heater. 4,801,974, 1-31-89, Cl. 355-14.0FU.
Sutoh, Hiroki; and Sawada, Kenji, to Alps Electric Co., Ltd. Support structure for rockable conductive plate in a seesaw-type switch. 4,803,317, 2-7-89, Cl. 200-438.000.
Sutoh, Keiji: *See—*
  Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.
Sutor, Norbert: *See—*
  Oestreich, Ulrich; Schoeber, Gernot; and Sutor, Norbert, 4,814,116, Cl. 264-1.500.
Sutou, Masatoki, to Minolta Camera Kabushiki Kaisha. Image forming apparatus. 4,857,963, 8-15-89, Cl. 355-321.000.
Sutovsky, Pavel M.: *See—*
  Rasi-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.
Sutrina, Thomas A.: *See—*
  Crowe, Lawrence E.; and Sutrina, Thomas A., 4,830,979, Cl. 437-216.000.
Sutt, Iokhannes I., to Tallinskoe Proizvodstvennoe Upravlenie Vodosnabsheniya I Kanalizatsii. Apparatus for automatically metering gas into liquid. 4,817,659, 4-4-89, Cl. 137-88.000.
Sutter Biomedical, Inc.: *See—*
  Christensen, James M.; and Westerfield, David A., 4,871,367, Cl. 623-21.000.
  Genovese, Carmen E.; Patch, David B.; Westerfield, David A.; Gross, John T.; and Dumas, Christopher C., 4,825,852, Cl. 128-25.00R.
Sutter, Erich E. Retinal area response mapping using simultaneous multi-area stimulation with binary sequences and objective response analysis. 4,846,567, 7-11-89, Cl. 351-224.000.
Sutter, Hans E., to Pedalo, Inc. Method and apparatus for screenless panoramic stereo TV system. 4,853,764, 8-1-89, Cl. 358-3.000.
Sutter, Hubert: *See—*
  Herwig, Jens; Kolwert, Alois; Sutter, Hubert; and Woltjes, Dieter, 4,882,393, Cl. 525-330.200.
Sutter, James J.; and Roberts, Marvin. Toys. 4,838,554, 6-13-89, Cl. 273-143.00R.
Sutter, Leroy V.; and Cameron, Harold A. Gas/saline valve with suction control. 4,878,894, 11-7-89, Cl. 604-24.000.
Sutter, Leroy V., Jr.; and Mofley, Robert E., to Directed Energy, Inc.; and Atlantic Richfield Company. Laser thermal testing method and system for use with a fire alarm system. 4,859,075, 8-22-89, Cl. 374-2.000.
Sutter, R. Frank; and Braithwaite, Melvyn, to Sutter, R. Frank. Fire retardant helicopter deck. 4,836,472, 6-6-89, Cl. 244-114.00R.
Sutter, Werner: *See—*
  Frei, Matthias; Mueller, Willi; and Sutter, Werner, 4,803,325, Cl. 219-64.000.
Sutterlin, Wolfgang; and Begrich, Rainer, to Ciba-Geigy Corporation. Process for dyeing or printing textile fibre materials in stable black shades using metal complex reactive dyes with a red shift and a yellow or green shift. 4,828,572, 5-9-89, Cl. 8-549.000.
Sutterlin, Wolfgang; and Defago, Raymond, to Ciba-Geigy Corporation. Process for aftertreating cellulosic materials printed with reactive dyes. 4,880,433, 11-14-89, Cl. 8-182.000.
Suttie, Peter J.: *See—*
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Suttle, James P.; and Jones, Daniel A., to Caribbean Stud Enterprises, Inc. Poker game. 4,836,553, 6-6-89, Cl. 273-292.000.
Suttle, James P.: *See—*
  Jones, Daniel A.; and Suttle, James P., 4,861,041, Cl. 273-292.000.
Suttles, J. Marshall, to Royston Corporation. Jumbo cup dispenser. 4,881,660, 11-21-89, Cl. 221-44.000.
Suttles, J. Marshall: *See—*
  Brown, Allen C.; Brown, Ray R.; and Suttles, J. Marshall, 4,852,954, Cl. 312-140.400.
Suttles, James M., to Royston Manufacturing Corporation. Shelving system. 4,850,285, 7-25-89, Cl. 108-108.000.
Suttmeier, Denise D.: *See—*
  Carter, Willie J.; and Suttmeier, Denise D., 4,814,160, Cl. 424-7.100.
Suttner, Wolfgang. Valve pistol for a high pressure cleaning device. 4,880,166, 11-14-89, Cl. 239-526.000.
Suttner, Wolfgang: *See—*
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Sutton, Alexander G.: *See—*
  Pate, Gerry E.; Mullinax, Ronald L.; Sutton, Alexander G.; and Ross, Jeff E., 4,885,706, Cl. 364-551.010.
Sutton Energy Corporation: *See—*
  Sutton, Robert C., 4,797,137, Cl. 44-639.000.
  Sutton, Robert C., 4,810,362, Cl. 208-246.000.
Sutton, Frederick A.: *See—*
  Colonel, Richard C.; Lindh, Devere V.; and Sutton, Frederick A., 4,869,479, Cl. 267-158.000.
Sutton, Fredrick E.: *See—*
  Mitchell, Terry L.; Sutton, Fredrick E.; and Sutton, Todd A., 4,889,396, Cl. 312-221.000.
Sutton Industries, Inc.: *See—*
  Sutton, Kim C., 4,850,054, Cl. 2-191.000.
Sutton, Kerry L.: *See—*
  Arnold, Allen J.; and Sutton, Kerry L., 4,823,869, Cl. 165-185.000.
Sutton, Kim C., to Sutton Industries, Inc. Multipurpose sun visor. 4,850,054, 7-25-89, Cl. 2-191.000.
Sutton, Leroy A., to Zenith Electronics Corporation. Low cost, high speed, high voltage flyback regulator circuit. 4,845,410, 7-4-89, Cl. 315-411.000.
Sutton, Mark E.: *See—*
  Lapeyre, James M.; Farrell, John P.; Burch, Ronald H.; Sutton, Mark E.; and Scamardo, Joseph F., Jr., 4,847,954, Cl. 17-54.000.
Sutton, Michael. Variable cavity fluid power device. 4,815,432, 3-28-89, Cl. 123-241.000.
Sutton, Noel W.; and Gehrke, Glenn F., to GKN Automotive Components Inc. Tripod constant velocity joint and sealing retainer therefor. 4,795,404, 1-3-89, Cl. 464-111.000.
Sutton, Raymond W.: *See—*
  Miller, Ronald W.; and Sutton, Raymond W., 4,857,337, Cl. 424-480.000.
Sutton, Richard C.: *See—*
  Anderson, James H.; Bugner, Douglas E.; DeMejo, Lawrence P.; Sutton, Richard C.; and Wilson, John C., 4,837,392, Cl. 430-110.000.
Sutton, Robert C., to Sutton Energy Corporation. Apparatus for cleaning fossil fuel, such as coal and crude oil. 4,797,137, 1-10-89, Cl. 44-639.000.
Sutton, Robert C., to Sutton Energy Corporation. Method for cleaning fossil fuel, such as coal and crude oil. 4,810,362, 3-7-89, Cl. 208-246.000.
Sutton, Robert F.; and Beatty, Robert F., to Rockwell International Corporation. Rotor transient positioning assembly. 4,865,529, 9-12-89, Cl. 417-409.000.
Sutton, Todd A.: *See—*
  Mitchell, Terry L.; Sutton, Fredrick E.; and Sutton, Todd A., 4,889,396, Cl. 312-221.000.
Sutton, William H.: *See—*
  Rockford, David B.; Sutton, William H.; Bond, Christopher R.; and Wilkinson, Brian, 4,889,638, Cl. 210-703.000.
Sutyn, Caroll S.: *See—*
  Conn, Kirk O.; Finlay, William, Jr.; Sutyn, Caroll S.; and Maietta, Michael G., 4,871,354, Cl. 604-89.000.
Suval, William A.: *See—*
  Spillert, Charles R.; Suval, William A.; and Lazaro, Eric J., 4,814,247, Cl. 436-69.000.
Suvanto, Erkki, to Neste Oy. Sleeve-mounted spike fitted on a vehicle tire. 4,875,515, 10-24-89, Cl. 152-210.000.
Suvanto, Erkki: *See—*
  Linden, Unto; Suvanto, Erkki; and Farid, Ainetdin, 4,865,100, Cl. 152-210.000.
Suverkropp, Claus P. J.: *See—*
  Bliss, Arthur E.; Day, Gene F.; and Suverkropp, Claus P. J., 4,849,776, Cl. 346-157.000.
Suwa, Akio; and Akiyoshi, Nobuhisa, to Idemitsu Petrochemical Co., Ltd. Method of thermally decomposing hydrocarbon and thermal decomposition tube. 4,827,074, 5-2-89, Cl. 585-648.000.
Suwa, Hisashi; Sato, Seiji; Matsubara, Susumu; Yano, Eiji; and Koizumi, Katsuyuki, to Sony Corporation. Magnetic recording and/or reproducing apparatus. 4,853,804, 8-1-89, Cl. 360-85.000.
Suwa, Kazue: *See—*
  Tanaka, Toru; Furuta, Tomiyoshi; and Suwa, Kazue, 4,824,992, Cl. 562-416.000.
Suwa, Kyoichi: *See—*
  Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and Suwa, Kyoichi, 4,806,987, Cl. 355-53.000.
Suwa, Makoto; and Hidaka, Hideto, to Mitsubishi Denki Kabushiki Kaisha. Method of and circuitry for generating staggered restore timing signals in block partitioned DRAM. 4,833,654, 5-23-89, Cl. 365-210.000.
Suwa, Mitsuru, to Tsudakoma Kogyo Kabushiki Kaisha. Apparatus for removing a faulty weft on a jet loom. 4,858,656, 8-22-89, Cl. 139-116.000.
Suwa, Mituru, to Tsudakoma Kogyo Kabushiki Kaisha. Apparatus and method for starting a jet loom. 4,838,319, 6-13-89, Cl. 139-116.00R.
Suwa, Takeshi; and Kuroda, Takafumi, to Terasaki Denki Sangyo Kabushiki Kaisha. Overcurrent tripping unit for a circuit breaker. 4,853,819, 8-1-89, Cl. 361-47.000.
Suwa, Yorimasa: *See—*
  Imaizumi, Atsushi; Kamimura, Takashi; Suwa, Yorimasa; and Okada, Masahiro, 4,810,780, Cl. 530-350.000.
Suwa, Yoshihide; Kobayashi, Takumi; Ishigouoka, Hiroshi; and Ono, Miyoko, to Suntory Limited. Food and beverages containing lactate monooxygenase. 4,867,990, 9-19-89, Cl. 426-8.000.

Suwabe, Hirohisa: *See—*

Hatanaka, Koji; Maruta, Kenzi; and Suwabe, Hirohisa, 4,874,923, Cl. 219-270.000.

Suwabe, Hiroshi: *See—*

Maruta, Kenji; Suwabe, Hiroshi; Ogasawara, Sachio; Masaka, Mitusuke; and Hatanaka, Koji, 4,810,853, Cl. 219-270.000.

Suwala, David W., to GAF Corporation. Paint removing compositions. 4,812,255, 3-14-89, Cl. 252-142.000.

Suwarnasarn, Nat J.; and Berg, Alvin M., to Minnesota Mining and Manufacturing Company. Magnetic recording tape comprising a support film having a high transverse direction modulus. 4,833,019, 5-23-89, Cl. 428-336.000.

Suya, Hajime. Articulator for mastering denture correcting technics. 4,838,788, 6-13-89, Cl. 433-32.000.

Suyama, Eizo: *See—*

Ikuta, Shiro; Suyama, Eizo; Yokoyama, Masaru; and Yoshimura, Takeshi, 4,796,694, Cl. 165-152.000.

Suyama, Hidenari: *See—*

Kaetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.

Suyama, Koji; and Yoshida, Akiyoshi, to Hoshizaki Electric Co., Ltd. Dishwasher. 4,811,997, 3-14-89, Cl. 312-228.000.

Suyama, Michiyo, to Mitsubishi Denki Kabushiki Kaisha. Direction finder. 4,866,627, 9-12-89, Cl. 364-457.000.

Suyama, Mitiyo, to Mitsubishi Denki Kabushiki Kaisha. Direction finder. 4,841,449, 6-20-89, Cl. 364-449.000.

Suyama, Mitiyo, to Mitsubishi Denki Kabushiki Kaisha. Direction finder for vehicle. 4,852,012, 7-25-89, Cl. 364-449.000.

Suyama, Siniti: *See—*

Yamada, Kinji; Nagata, Masaki; Suyama, Siniti; and Okamura, Momoko, 4,830,672, Cl. 106-287.190.

Suyama, Tadakazu: *See—*

Kameyama, Syojyu; Nishimaki, Hideo; Iga, Yoshiro; and Suyama, Tadakazu, 4,822,872, Cl. 530-383.000.

Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.

Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.

Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.

Suyama, Takahiro; Takahashi, Kohsei; Yamamoto, Saburo; Hayakawa, Toshiro; and Kondo, Masafumi, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,807,235, 2-21-89, Cl. 372-19.000.

Suyama, Takahiro; Hayakawa, Toshiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser. 4,835,783, 5-30-89, Cl. 372-46.000.

Suyama, Takahiro; Takahashi, Kosei; Kondo, Masafumi; and Hayakawa, Toshiro, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,862,470, 8-29-89, Cl. 372-45.000.

Suyama, Takahiro: *See—*

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,806,994, Cl. 357-4.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,824,518, Cl. 156-613.000.

Hayakawa, Toshiro; Suyama, Takahiro; Kondo, Masafumi; Takahashi, Kohsei; and Yamamoto, Saburo, 4,841,533, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,845,724, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,852,111, Cl. 372-46.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,860,297, Cl. 372-45.000.

Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,887,274, Cl. 372-45.000.

Suyama, Tomio; Yatori, Masahide; and Fujita, Tokiyo, to Hoshizaki Denki Kabushiki Kaisha. Freezer machine for household use. 4,827,732, 5-9-89, Cl. 62-233.000.

Suyama, Toshihisa: *See—*

Takematsu, Tetsuo; Kato, Shozo; Ishizaki, Masahiko; and Suyama, Toshihisa, 4,802,907, Cl. 71-90.000.

Suyama, Toshimitsu; and Fujimori, Yasutomo, to Kabushiki Kaisha Toshiba. Three-dimensional position sensor and three-dimensional position setting system. 4,879,664, 11-7-89, Cl. 364-518.000.

Suyefuji, Mineo: *See—*

Sugihara, Mitsuru; and Suyefuji, Mineo, 4,834,854, Cl. 204-182.800.

Suzaki, Hideyuki; and Yamaguchi, Yukio, to Omron Tateisi Electronics Co. Detecting apparatus using ultrasonic waves. 4,835,519, 5-30-89, Cl. 340-538.000.

Suzaki, Masafumi: *See—*

Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.

Suzaki, Yukihiko: *See—*

Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira; and Suzaki, Yukihiko, 4,856,480, Cl. 123-425.000.

Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.

Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki, Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.

Suzawa, Masamiti: *See—*

Choi, Hin-Fai; Matsushita, Hideo; and Suzawa, Masamiti, 4,834,010, Cl. 112-292.000.

Suzue, Seigo: *See—*

Masuzawa, Kuniyoshi; Suzue, Seigo; Hirai, Keiji; and Ishizaki, Takayoshi, 4,826,982, Cl. 544-363.000.

Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, to Kao Corporation. Novel fatty acid-lactic acid ester. 4,846,991, 7-11-89, Cl. 252-89.100.

Suzukamo, Gohfu; Fukao, Masami; and Sakito, Yoji, to Sumitomo Chemical Company, Limited. Method for racemization of optically active chrysanthemic acid derivatives. 4,812,264, 3-14-89, Cl. 260-544.00L.

Suzukamo, Gohfu; Sakito, Yoji; and Fukao, Masami, to Sumitomo Chemical Company, Limited. Method for racemization of optically active chrysanthemic acid or its ester. 4,820,864, 4-11-89, Cl. 560-124.000.

Suzukamo, Gohfu; and Fukao, Masami, to Sumitomo Chemical Company, Limited. Solid base catalyst for the preparation of internal olefins and process for preparing the catalyst. 4,822,764, 4-18-89, Cl. 502-344.000.

Suzukamo, Gohfu; and Fukao, Masami, to Sumitomo Chemical Company, Ltd. Process for preparing internal olefins. 4,877,918, 10-31-89, Cl. 585-664.000.

Suzukamo, Gohfu; and Fukao, Masami, to Sumitomo Chemical Company, Limited. Solid base, process for preparing the same and use of the same in preparation of internal olefins. 4,879,429, 11-7-89, Cl. 585-670.000.

Suzuki, Aimi: *See—*

Kusakata, Shigeru; Suzuki, Aimi; and Shiojima, Isao, 4,847,385, Cl. 548-455.000.

Suzuki, Akifumi: *See—*

Machida, Kaoru; Suzuki, Akifumi; Kikuchi, Yushichi; and Takano, Masayuki, 4,794,930, Cl. 128-662.030.

Machida, Kaoru; Suzuki, Akifumi; Takano, Masayuki; and Kikuchi, Yushichi, 4,867,169, Cl. 128-662.030.

Suzuki, Akihiro; and Takagi, Akira, to Fuji Photo Film Co., Ltd. Cleaning apparatus for magnetic tape. 4,858,265, 8-22-89, Cl. 15-100.000.

Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, to Brother Kogyo Kabushiki Kaisha. Optical waveguide element, method of making the same and optical coupler employing optical waveguide element. 4,865,407, 9-12-89, Cl. 350-96.120.

Suzuki, Akihiro: *See—*

Kosaka, Kenji; and Suzuki, Akihiro, 4,842,264, Cl. 271-293.000.

Suzuki, Makoto; and Suzuki, Akihiro, 4,805,144, Cl. 365-106.000.

Suzuki, Akinobu, to Mitsubishi Denki Kabushiki Kaisha. Optical semiconductor module using dummy ferrule. 4,875,752, 10-24-89, Cl. 350-96.200.

Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, to Mitsubishi Gas Chemical Company, Inc. Plant growth regulating composition. 4,799,950, 1-24-89, Cl. 71-89.000.

Suzuki, Akinori; Kajita, Toshio; and Furushima, Masakazu, to Mitsubishi Gas Chemical Company, Inc. Method and composition for increasing harvests of crops. 4,877,447, 10-31-89, Cl. 71-103.000.

Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, to Canon Kabushiki Kaisha. Color image recording apparatus. 4,829,323, 5-9-89, Cl. 346-140.00R.

Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, to Konica Corporation. High speed processing silver halide photographic light-sensitive material. 4,847,189, 7-11-89, Cl. 430-567.000.

Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, to Canon Kabushiki Kaisha. Color image processing apparatus with linear masking circuit having coefficients which vary in accordance with the levels of color component signals. 4,853,768, 8-1-89, Cl. 358-80.000.

Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, to Canon Kabushiki Kaisha. Color image processing method and apparatus. 4,855,765, 8-8-89, Cl. 346-154.000.

Suzuki, Akio, to Canon Kabushiki Kaisha. Image recording apparatus detecting and controlling image contrast. 4,855,766, 8-8-89, Cl. 346-160.000.

Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, to Konica Corporation. Rapidly processing silver halide photographic light-sensitive material and the processing thereof. 4,861,702, 8-29-89, Cl. 430-564.000.

Suzuki, Akio; and Takada, Yoshihiro, to Canon Kabushiki Kaisha. Color image recording apparatus. 4,882,621, 11-21-89, Cl. 358-80.000.

Suzuki, Akio: *See—*

Abe, Shunichi; Ohkubo, Masaharu; Suzuki, Akio; and Takada, Yoshihiro, 4,851,923, Cl. 358-296.000.

Kuge, Tsukasa; Inoue, Takahiro; Sato, Yasushi; Suzuki, Akio; Murasawa, Yoshihiro; Sasame, Hiroshi; and Asai, Jun, 4,814,886, Cl. 358-293.000.

Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, 4,801,526, Cl. 430-567.000.

Yoshida, Eiji; Suzuki, Akio; and Hosaka, Masumi, 4,826,758, Cl. 430-569.000.

Suzuki, Akira, to NEC Corporation. Semiconductor laser driver. 4,796,264, 1-3-89, Cl. 372-29.000.

Suzuki, Akira, to Fuji Seiki Machine Works, Ltd. Blasting nozzle for wet blasting machine. 4,800,688, 1-31-89, Cl. 51-439.000.

Suzuki, Akira; Mochizuki, Nobuo; Tasaka, Motoo; and Morohoshi, Kunichika, to Ricoh Company, Ltd. Thermosensitive image transfer recording medium. 4,818,605, 4-4-89, Cl. 428-321.300.

Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, to Kao Corporation. Detergent composition for clothing incorporating a cellulase. 4,822,516, 4-18-89, Cl. 252-174.120.

Suzuki, Akira; and Morohoshi, Kunichika, to Ricoh Company, Ltd. Thermosensitive image transfer recording medium. 4,847,144, 7-11-89, Cl. 428-321.500.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, to Olympus Optical Co., Ltd. Endoscope apparatus. 4,867,136, 9-19-89, Cl. 128-4.000.

Suzuki, Akira, to Olympus Optical Co., Ltd. Endoscope having varying diameter contents in the insertable part. 4,870,951, 10-3-89, Cl. 128-6.000.

Suzuki, Akira; Mochizuki, Nobuo; and Morohoshi, Kunichika, to Ricoh Company, Ltd. Multicolor thermosensitive image transfer sheet. 4,871,609, 10-3-89, Cl. 428-195.000.

Suzuki, Akira: *See—*

Aoki, Masakazu; and Suzuki, Akira, 4,815,950, Cl. 417-253.000.

Hashimoto, Hiroyuki; Iizuka, Nobuo; and Suzuki, Akira, 4,850,030, Cl. 455-31.000.

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.

Kantrowitz, Adrian; Freed, Paul S.; Tachi, Hiroyuki; and Suzuki, Akira, 4,809,681, Cl. 600-17.000.

Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, 4,829,346, Cl. 357-22.000.

Kobayashi, Kouji; Miki, Nobuaki; and Suzuki, Akira, 4,838,313, Cl. 137-625.650.

Kobayashi, Kouji; Suzuki, Akira; and Miki, Nobuaki, 4,838,518, Cl. 251-129.160.

Ma[illegible]a, Masachika; and Suzuki, Akira, 4,862,246, Cl. 357-70.000.

Miki, Nobuaki; Suzuki, Akira; and Kobayashi, Kouji, 4,838,517, Cl. 251-129.160.

Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, 4,880,768, Cl. 503-227.000.

Ohta, Takashi; and Suzuki, Akira, 4,868,353, Cl. 200-5.00B.

Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.

Sakaguchi, Kiyonori; Takaiwa, Makio; and Suzuki, Akira, 4,847,826, Cl. 369-270.000.

Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.

Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, 4,833,507, Cl. 357-4.000.

Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.

Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.

Sugiyama, Jun; Suzuki, Akira; Terada, Kosei; and Oguri, Shigenori, 4,843,934, Cl. 84-1.030.

Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.

Suzuki, Akitoshi: *See—*

Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, 4,849,260, Cl. 427-250.000.

Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, 4,800,105, Cl. 427-253.000.

Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Imaging optical system. 4,798,450, 1-17-89, Cl. 350-505.000.

Suzuki, Akiyoshi; and Kohno, Michio, to Canon Kabushiki Kaisha. Optical apparatus for observing patterned article. 4,871,257, 10-3-89, Cl. 356-400.000.

Suzuki, Akiyoshi; Ina, Hideki; and Kosugi, Masao, to Canon Kabushiki Kaisha. Observation system for a projection exposure apparatus. 4,888,614, 12-19-89, Cl. 355-43.000.

Suzuki, Akiyoshi: *See—*

Echizen, Hiroshi; Ota, Masakatsu; and Suzuki, Akiyoshi, 4,799,791, Cl. 356-121.000.

Ina, Hideki; and Suzuki, Akiyoshi, 4,883,359, Cl. 356-401.000.

Kohno, Michio; Murakami, Eiichi; and Suzuki, Akiyoshi, 4,795,911, Cl. 250-572.000.

Kohno, Michio; Ina, Hideki; and Suzuki, Akiyoshi, 4,830,499, Cl. 356-400.000.

Kohno, Michio; and Suzuki, Akiyoshi, 4,831,274, Cl. 250-563.000.

Kohno, Michio; and Suzuki, Akiyoshi, 4,865,455, Cl. 356-400.000.

Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.

Murakami, Eiichi; Kohno, Michio; and Suzuki, Akiyoshi, 4,886,975, Cl. 250-572.000.

Takahashi, Kazuhiro; and Suzuki, Akiyoshi, 4,851,882, Cl. 355-46.000.

Torigoe, Makoto; and Suzuki, Akiyoshi, 4,875,076, Cl. 355-53.000.

Totsuka, Masao; Suzuki, Akiyoshi; and Ina, Hideki, 4,834,540, Cl. 356-401.000.

Suzuki, Atsumi; and Masuda, Kazunori, to NEC Corporation. Timing signal regenerator for phase-adjusting a reception timing signal with a transmission timing signal given a predetermined frequency. 4,849,997, 7-18-89, Cl. 375-118.000.

Suzuki, Atsushi; and Itoh, Hideo, to Fujitsu Limited. Semiconductor memory device. 4,829,477, 5-9-89, Cl. 365-189.060.

Suzuki, Atsushi, to Fujitsu Limited. Data reading circuit for semiconductor memory device. 4,843,595, 6-27-89, Cl. 365-189.010.

Suzuki, Azuma; Ootani, Takayuki; and Isobe, Mitsuo, to Kabushiki Kaisha Toshiba. Semiconductor memory device with a data clear circuit. 4,879,686, 11-7-89, Cl. 365-189.110.

Suzuki, Chiaki, to Asahi Electronics Co., Ltd. On-hook control circuit for answering machine. 4,833,703, 5-23-89, Cl. 379-67.000.

Suzuki, Chiaki: *See—*

Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki, Chiaki; and Nagatsuka, Ikutaroh, 4,859,558, Cl. 430-110.000.

Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, 4,868,083, Cl. 430-108.000.

Suzuki, Churyo; Ando, Kozo; and Enomoto, Tooru, to Aubex Corporation. Flexible pen nib for writing purposes. 4,838,723, 6-13-89, Cl. 401-199.000.

Suzuki, Eiichi, to Canon Kabushiki Kaisha. Method for protecting a print. 4,809,451, 3-7-89, Cl. 40-158.100.

Suzuki, Eiichi: *See—*

Yamamoto, Mayumi; Suzuki, Eiichi; and Watanabe, Yoshitaka, 4,865,675, Cl. 156-164.000.

Suzuki, Eiichiro: *See—*

Maki, Hirohisa; and Suzuki, Eiichiro, 4,882,112, Cl. 264-109.000.

Suzuki, Eiiti: *See—*

Suzuki, Hiromi; Suzuki, Eiiti; and Mizuno, Isao, 4,845,900, Cl. 51-285.000.

Suzuki, Eiji, to Fujitsu Limited. Repeater for regenerating frame-multiplexed signal. 4,876,683, 10-24-89, Cl. 370-97.000.

Suzuki, Etsuo: *See—*

Ochiai, Hironori; Suzuki, Etsuo; and Ikuta, Kazuo, 4,874,202, Cl. 296-222.000.

Suzuki, Fred K.; Mead, Sharon M.; Yoshida, Noble H.; and Dobberstein, Robert H., to Biosynergy, Inc. Cholesteric liquid crystal formulations and time/temperature monitoring means. 4,859,360, 8-22-89, Cl. 252-299.700.

Suzuki, Fujio: *See—*

Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.

Tunekawa, Shouji; Yamada, Wazoh; Hara, Yoshitaka; and Suzuki, Fujio, 4,854,376, Cl. 165-54.000.

Suzuki, Fujiyuki; and Osada, Akira, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Apparatus for controlling an air-fuel ratio in an internal combustion engine. 4,872,117, 10-3-89, Cl. 364-431.050.

Suzuki, Fuminori: *See—*

Morokawa, Shigeru; and Suzuki, Fuminori, 4,843,252, Cl. 307-264.000.

Suzuki, Fumio: *See—*

Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.

Sugimori, Teruhiko; Suzuki, Fumio; Habara, Hideaki; and Inada, Hiromasa, 4,874,841, Cl. 528-491.000.

Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-94.000.

Suzuki, Gentarou: *See—*

Terauchi, Masakazu; and Suzuki, Gentarou, 4,871,562, Cl. 426-330.300.

Suzuki, George: *See—*

Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.

Suzuki, Goro: *See—*

Ozawa, Jun; Shindo, Katsuji; Takeuchi Shigetaka; and Suzuki, Goro, 4,814,936, Cl. 361-127.000.

Suzuki, Hajime: *See—*

Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.

Suzuki, Haruo; and Tsuyuki, Yasuo, to Jidosha Kiki Co., Ltd. Reaction mechanism for brake booster. 4,862,787, 9-5-89, Cl. 91-369.200.

Suzuki, Haruo: *See—*

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,823,138, Cl. 342-457.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,833,481, Cl. 342-457.000.

Shibano, Yoshizo; Suzuki, Haruo; and Iwai, Tohru, 4,887,090, Cl. 343-711.000.

Suzuki, Hideaki: *See—*

Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.

Suzuki, Hidefumi, to CSK Corporation. Write-once data writing system for optical recording medium. 4,815,062, 3-21-89, Cl. 369-48.000.

Suzuki, Hidefumi, to CSK Corporation. Tracking method and apparatus for optical recording medium. 4,831,609, 5-16-89, Cl. 369-44.000.

Suzuki, Hidefumi, to CSK Corporation. Optical recording system with optical recording medium having multilevel recording surface for tracking. 4,879,691, 11-7-89, Cl. 365-215.000.

Suzuki, Hidehiko, to National Semiconductor Corporation. Switching voltage regulator with stabilized loop gain. 4,847,549, 7-11-89, Cl. 323-288.000.

Suzuki, Hideo, to Casio Computer Co., Ltd. IC card identification system having first and second data identification functions. 4,801,787, 1-31-89, Cl. 235-380.000.

Suzuki, Hideo; Iwasaki, Shuji; Kamada, Satoru; and Higo, Yuji, to Toyo Soda Manufacturing Co., Ltd. Nozzle device in an apparatus for biochemical reactions. 4,816,408, 3-28-89, Cl. 435-311.000.

Suzuki, Hideo, to Yamaha Corporation. Electronic musical instrument with digital filter. 4,841,828, 6-27-89, Cl. 84-1.190.

Suzuki, Hideo, to Kabushiki Kaisha Toshiba. Multiple access communication system. 4,868,811, 9-19-89, Cl. 370-50.000.

Suzuki, Hideo, to Yamaha Corporation. Apparatus for producing rhythmically aligned tones from stored wave data. 4,876,937, 10-31-89, Cl. 84-612.000.

Suzuki, Hideo: *See—*

Ozawa, Akira; Kousaka, Tomomi; Suzuki, Hideo; and Murakami, Masatoshi, 4,884,332, Cl. 29-568.000.

Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, 4,818,299, Cl. 148-2.000.

Sawano, Hiroyuki; Suzuki, Hideo; Sugawara, Yasuyuki; Kobayashi, Kazunaga and Sato, Nobuyasu, 4,812,014, Cl. 350-96.290.

Shamoto, Naoki Suzuki, Hideo; Sugawara, Yasuyuki; Kawase, Masaaki; and Shinohara, Hiromichi, 4,836,639, Cl. 350-96.230.

Shinohara, Hiroichi; Suzuki, Hideo; and Ogihara, Satoru, 4,858,077, Cl. 361-414.000.

Suzuki, Hideto: *See—*

Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, 4,814,902, Cl. 360-33.100.

Suzuki, Hidetoshi: *See—*

Ayata, Naoki; Saito, Seiji; Suzuki, Hidetoshi; Ozawa, Kunitaka; and Koumura, Noboru, 4,866,532, Cl. 358-443.000.

Suzuki, Hideyuki: *See—*

Hattori, Katsuhiko; Suzuki, Hideyuki; and Ogasawara, Takeo, 4,798,561, Cl. 474-28.000.

Suzuki, Hirayoshi: *See—*

Tamura, Yuuichi; and Suzuki, Hirayoshi, 4,820,890, Cl. 200-81.400.

Tanaka, Hazime; Sasaki, Keiji; and Suzuki, Hirayoshi, 4,827,094, Cl. 200-83.00J.

Tanaka, Hazime; Suzuki, Hirayoshi; and Sasaki, Keiji, 4,853,504, Cl. 200-83.00P.

Suzuki, Hiroaki; Murase, Michio; Hatamiya, Shigeo; Naitoh, Masanori; and Tominaga, Kenji, to Hitachi, Ltd. Emergency reactor core cooling structure. 4,822,557, 4-18-89, Cl. 376-282.000.

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Method of and apparatus for controlling power of natural circulation reactor. 4,877,574, 10-31-89, Cl. 376-216.000.

Suzuki, Hirofumi: *See—*

Hoshizaki, Hiroki; Oyobe, Kazuo; Suzuki, Hirofumi; Kawahara, Nobuaki; Niwa, Hitoshi; and Kageyama, Terutaka, 4,803,345, Cl. 219-553.000.

Kawahara, Nobuaki; Hoshizaki, Hiroki; Suzuki, Hirofumi; Kobayashi, Kiyomi; Ohkawa, Makoto; and Asano, Mitsuru, 4,829,029, Cl. 501-108.000.

Suzuki, Hirokazu; Tahara, Akinori; and Saito, Shinji, to Fujitsu Limited; and Fujitsu VLSI Limited. Semiconductor logic circuit comprising clock driver and clocked logic circuit. 4,810,908, 3-7-89, Cl. 307-480.000.

Suzuki, Hirokazu, to Kabushiki Kaisha Toshiba. Method and system for acquiring motional information of object in magnetic resonance. 4,837,512, 6-6-89, Cl. 324-306.000.

Suzuki, Hirokazu; Machida, Yoshio; and Yuasa, Yuji, to Kabushiki Kaisha Toshiba. Magnetic resonance imaging system. 4,878,499, 11-7-89, Cl. 128-653.00A.

Suzuki, Hiroko: *See—*

Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Suzuki, Shinji; Ueki, Kazuyoshi; Suzuki, Hiroko; and Mimura, Yoshiki, 4,868,095, Cl. 430-326.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,882,263, Cl. 430-328.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,888,271, Cl. 430-328.000.

Suzuki, Hiromasa: *See—*

Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.

Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.

Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.

Suzuki, Hiromi; Suzuki, Eiiti; and Mizuno, Isao, to Kabushiki Kaisha Taihei Seisakusho. Method and apparatus for grinding straight-edged cutting tools to a fine finish. 4,845,900, 7-11-89, Cl. 51-285.000.

Suzuki, Hiromi: *See—*

Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, 4,808,835, Cl. 290-4.00A.

Suzuki, Hiromichi: *See—*

Okikawa, Susumu; Mikino, Hiroshi; Suzuki, Hiromichi; Kitamura, Wahei; and Sakamoto, Daiji, 4,845,543, Cl. 357-67.000.

Suzuki, Hiroshi, to NEC Corporation. High-speed packet-switched communications system with end-to-end flow control and retransmission. 4,799,215, 1-17-89, Cl. 370-60.000.

Suzuki, Hiroshi, to Kabushiki Kaisha Toshiba. Recording/reproducing system having a magnetic head of preceding-erase type. 4,809,090, 2-28-89, Cl. 360-46.000.

Suzuki, Hiroshi; and Osafune, Koji, to Kabushiki Kaisha Toshiba. Recording/reproducing system for a magnetic recording medium including synchronization detecting circuit. 4,811,126, 3-7-89, Cl. 360-51.000.

Suzuki, Hiroshi, to Tokico Ltd. Electrical robot. 4,812,104, 3-14-89, Cl. 414-735.000.

Suzuki, Hiroshi; Natsuhara, Masao; and Kurusu, Chisato, to Matsushita Electronics Corporation. Cathode ray tube apparatus having focusing grids with horizontally and vertically oblong through holes. 4,814,670, 3-21-89, Cl. 315-15.000.

Suzuki, Hiroshi, to Kabushiki Kaisha Toshiba. Digital signal reproducing circuit. 4,849,957, 7-18-89, Cl. 369-59.000.

Suzuki, Hiroshi, to Yokohama Aeroquip Corporation. Pipe joint. 4,850,622, 7-25-89, Cl. 285-286.000.

Suzuki, Hiroshi. Reclining device for bucket seat. 4,865,385, 9-12-89, Cl. 297-362.000.

Suzuki, Hiroshi, to NEC Corporation. Packet concentrator and switch including a controller for assigning priorities to space switch input terminals for control of buffers. 4,868,813, 9-19-89, Cl. 370-160.000.

Suzuki, Hiroshi, to NEC Corporation. Packet-switched communications network with parallel virtual circuits for re-routing message packets. 4,884,263, 11-28-89, Cl. 370-16.000.

Suzuki, Hiroshi: *See—*

Ashizaki, Shigeya; Konosu, Osamu; Suzuki, Hiroshi; and Natsuhara, Masao, 4,831,309, Cl. 313-413.000.

Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguchi, Keizo, 4,819,717, Cl. 165-104.120.

Ishikawa, Hiroshi; Oguro, Keisuke; Suzuki, Hiroshi; Kato, Akihiko; Okada, Teruya; Sakamoto, Shizuo; Nishimura, Iwao; and Sakaguichi, Keizo, 4,819,718, Cl. 165-104.120.

Kisoda, Akira; Suzuki, Hiroshi; Hosaka, Tomiharu; and Hasegawa, Masanaru, 4,808,437, Cl. 427-130.000.

Matsui, Hitoshi; and Suzuki, Hiroshi, 4,838,287, Cl. 134-1.000.

Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.

Shiratani, Takaaki; Suzuki, Hiroshi; and Chiba, Moichi, 4,830,518, Cl. 384-448.000.

Uematsu, Takao; Suzuki, Hiroshi; Komatsuzaki, Shigeki; and Nakano, Fumio, 4,803,000, Cl. 252-32.500.

Suzuki, Hirosuke; Yamazaki, Etsuo; and Sato, Yoshiaki. Copy machine toner fixing device. 4,796,046, 1-3-89, Cl. 355-3.0FU.

Suzuki, Hirosuke; Yasumoto, Hiromi; and Imaizumi, Haruo, to Junkosha Co., Ltd. Directly emitting dielectric transmission line. 4,825,221, 4-25-89, Cl. 343-785.000.

Suzuki, Hirosuke, to Junkosha Co., Ltd. Reinforced dielectric sheet. 4,857,381, 8-15-89, Cl. 428-120.000.

Suzuki, Hiroyoshi, to Mitsubishi Denki Kabushiki Kaisha. Recirculated exhaust gas quantity control apparatus for internal combustion engine. 4,794,903, 1-3-89, Cl. 123-571.000.

Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Air-fuel ratio detecting apparatus for an internal combustion engine equipped with a heater controller. 4,889,098, 12-26-89, Cl. 123-489.000.

Suzuki, Hiroyoshi: *See—*

Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,886,028, Cl. 123-479.000.

Suzuki, Hiroyuki: *See—*

Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.

Kawata, Kazuhide; and Suzuki, Hiroyuki, 4,864,401, Cl. 358-148.000.

Kawata, Kazuhide; and Suzuki, Hiroyuki, 4,870,573, Cl. 364-200.000.

Matsushita, Koichi; and Suzuki, Hiroyuki, 4,822,182, Cl. 384-107.000.

Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Sano, Kenzo, 4,842,917, Cl. 428-141.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.

Tamura, Takahiko; and Suzuki, Hiroyuki, 4,806,883, Cl. 331-111.000.

Suzuki, Hisamoto. Compressed air dehumidifier. 4,848,988, 7-18-89, Cl. 55-185.000.

Suzuki, Hisanori: *See—*

Matsudaira, Takeo; and Suzuki, Hisanori, 4,882,197, Cl. 427-8.000.

Suzuki, Hisao: *See—*

Horiuchi, Hidenaga; Suzuki, Hisao; Aoki, Yuji; and Miura, Norio, 4,816,350, Cl. 428-690.000.

Suzuki, Hitoshi; Hirano, Tomohiro; Goto, Kenichi; and Watanabe, Yoshimi, to Honda Giken Kogyo Kabushiki Kaisha. Engine with a balancer mechanism. 4,846,124, 7-11-89, Cl. 123-195.00P.

Suzuki, Hitoshi; Hara, Kozo; Koga, Shiro; and Morita, Shigeru, to Mitsubishi Denki Kabushiki Kaisha. Loudspeaker system. 4,860,363, 8-22-89, Cl. 381-89.000.

Suzuki, Hitoshi: *See—*

Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya, Syuzo; Shiotani, Shinobu; and Sata, Ichiko, 4,833,611, Cl. 364-419.000.

Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi, Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,860,206, Cl. 364-419.000.

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,522, Cl. 364-900.000.

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,987, Cl. 364-419.000.

Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya, Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,988, Cl. 364-419.000.

Suzuki, Hosei, to Fuji Jukogyo Kabushiki Kaisha. System for controlling a line pressure in an automatic transmission for motor vehicles. 4,836,055, 6-6-89, Cl. 74-866.000.

Suzuki, Ikuo; Yoneda, Takao; Hotta, Takayuki; and Yonezu, Toshihiro, to Toyoda-koki Kabushiki-kaisha. Numerically controlled machine tool. 4,884,373, 12-5-89, Cl. 51-165.710.

Suzuki, Ikuo: *See—*

Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, 4,867,858, Cl. 204-290.00R.

Suzuki, Isao; Hirabayashi, Kazuo; Kondoh, Tadami; and Nishijima, Hiroaki, to Research Association for Utilization of Light Oil. Production of high-octane gas blending stock. 4,861,934, 8-29-89, Cl. 585-415.000.

Suzuki, Isao: *See—*

Nitta, Katsuhisa; Watanabe, Takaji; and Suzuki, Isao, 4,828,623, Cl. 106-450.000.

Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.

Suzuki, Isoo: *See—*

Imai, Kouji; and Suzuki, Isoo, 4,849,122, Cl. 252-73.000.

Suzuki, Issei; Kano, Takashi; Watanabe, Yoshio; and Anzai, Noboru, to Mect Corporation. Cap for a vessel. 4,863,049, 9-5-89, Cl. 215-249.000.

Suzuki Jidosha Kogyo Kabushiki Kaisha: *See—*

Hanamura, Masahiro; and Shimizu, Yasuo, 4,825,818, Cl. 123-41.860.

Hosoi, Keiji, 4,856,464, Cl. 123-52.00M.

Ishida, Tokuji, 4,829,943, Cl. 123-52.0MV.

Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.

Ohishi, Tatsuo; and Furuhashi, Hiroshi, 4,816,806, Cl. 340-514.000.

Ozaki, Tadayuki, 4,889,081, Cl. 123-52.00M.

Suzuki, Fujiyuki; and Osada, Akira, 4,872,117, Cl. 364-431.050.

Umehara, Kazuhiro, 4,883,928, Cl. 200-81.90M.

Umehara, Kazuhiro, 4,887,068, Cl. 340-450.300.

Suzuki, Jiro, to Kohjin Co., Ltd. Process for preparing adenine. 4,861,883, 8-29-89, Cl. 544-277.000.

Suzuki, John K.: *See—*

Yafuso, Masao; and Suzuki, John K., 4,824,789, Cl. 436-68.000.

Yafuso, Masao; and Suzuki, John K., 4,867,919, Cl. 264-1.500.

Suzuki, Jun, to Pioneer Electronic Corporation. Device for driving optical parts of an optical pickup. 4,861,138, 8-29-89, Cl. 350-255.000.

Suzuki, Junichiro; and Kinukawa, Tatsuji, to NGK Spark Plug Co., Ltd. Process for the production of ceramic materials having heat and wear resistance. 4,839,315, 6-13-89, Cl. 501-87.000.

Suzuki, Kanzi: *See—*

Omori, Yoshitaka; Suzuki, Kanzi; and Niinuma, Fumitoshi, 4,844,855, Cl. 264-311.000.

Suzuki, Kaoru: *See—*

Tsuda, Kazuhiro; Kihara, Tomohiko; and Suzuki, Kaoru, 4,862,303, Cl. 250-363.020.

Suzuki, Katsumi, to Kabushiki Kaisha Toshiba. Information storage medium and a method of manufacturing the same. 4,879,205, 11-7-89, Cl. 430-523.000.

Suzuki, Katsumi; and Yang, Woo S., to ITLA Corporation. Remote control steering mechanism. 4,881,917, 11-21-89, Cl. 446-468.000.

Suzuki, Katsumi: *See—*

Hoshino, Mitsuru; Yusa, Haruhiko; and Suzuki, Katsumi, 4,857,592, Cl. 525-82.000.

Kobayashi, Tadashi; Suzuki, Katsumi; and Nakamura, Naomasa, 4,803,660, Cl. 365-113.000.

Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.

Suzuki, Katsuo; and Umebayashi, Kazuyuki, to Aisin Seiki Kabushiki Kaisha. Telephone system in a vehicle. 4,847,887, 7-11-89, Cl. 379-58.000.

Suzuki, Katsuo; and Umebayashi, Kazuyuki, to Aisin Seiki Kabushiki Kaisha; and Kabushiki Kaisha Shinsangyokaihatsu. Telephone apparatus. 4,852,147, 7-25-89, Cl. 379-58.000.

Suzuki, Katsuo; and Umebayashi, Kazuyuki, to Aisin Seiki Kabushiki Kaisha. Telephone apparatus. 4,885,762, 12-5-89, Cl. 379-58.000.

Suzuki, Katsuo: *See—*

Suto, Toshihiko; and Suzuki, Katsuo, 4,801,974, Cl. 355-14.0FU.

Suzuki, Kazuaki: *See—*

Kamiya, Saburo; Suzuki, Kazuaki; and Tanimoto, Akikazu, 4,853,745, Cl. 355-43.000.

Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, 4,855,799, Cl. 357-23.400.

Suzuki, Kazuhiko; and Takahara, Kazuaki, to Terumo Kabushiki Kaisha Trading as Terumo Corporation. Hollow fiber for dialysis and method for manufacture thereof. 4,824,569, 4-25-89, Cl. 210-500.230.

Suzuki, Kazuhiko; and Yoshioka, Hiroshi, to Terumo Corporation. Polymerizable liposome-forming lipid, and method for production thereof. 4,861,521, 8-29-89, Cl. 260-403.000.

Suzuki, Kazuhiko: *See—*

Kawasumi, Satoshi; Sugiura, Yuzuru; Kondo, Hiroyuki; Miwa, Akihiko; and Suzuki, Kazuhiko, 4,856,412, Cl. 91-369.200.

Suzuki, Kazuhiro, to Nippon Cable System Inc. Actuator for automatic cruising system. 4,809,656, 3-7-89, Cl. 123-361.000.

Suzuki, Kazuhiro, to Nippon Cable System Inc. Anchoring assembly for a control cable. 4,829,845, 5-16-89, Cl. 74-502.400.

Suzuki, Kazuhiro, to Nippon Cable System Inc. Operating device for transmission. 4,879,922, 11-14-89, Cl. 74-500.500.

Suzuki, Kazuhiro: *See—*

Kato, Shingo; Ogawa, Shunichi; Yumoto, Makoto; and Suzuki, Kazuhiro, 4,846,595, Cl. 400-320.000.

Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.

Okubo, Toshimitsu; Takezawa, Mamoru; Satoh, Mitsuyoshi; and Suzuki, Kazuhiro, 4,799,814, Cl. 400-639.100.

Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,803,384, Cl. 307-490.000.

Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,813,048, Cl. 372-38.000.

Suzuki, Kazumichi: *See—*

Asakura, Yamato; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, 4,831,324, Cl. 324-57.00R.

Kitamori, Takehiko; Fujimori, Haruo; and Suzuki, Kazumichi, 4,808,828, Cl. 250-458.100.

Suzuki, Kazunari: *See—*

Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000

Nonaka, Naomichi; Nakane, Keiichi; Kuwabara, Tadashi; Koreeda, Hiroyuki; Suzuki, Kazunari; and Masuda, Kiyoshi, 4,829,468, Cl. 364-900.000.

Suzuki, Kazunori: *See—*

Hisanaga, Michio; Suzuki, Kazunori; Naito, Masataka; and Shirasaki, Shinichi, 4,832,893, Cl. 264-125.000.

Nakazawa, Masahiko; Tsukada, Kazuo; and Suzuki, Kazunori, 4,804,164, Cl. 251-335.300.

Suzuki, Kazuo, to Matsushita Electric Industrial Co., Ltd. Pulse generating apparatus. 4,852,164, 7-25-89, Cl. 380-15.000.

Suzuki, Kazuo, to Hitachi, Ltd. Method of nuclear magnetic resonance imaging and apparatus for the same. 4,885,537, 12-5-89, Cl. 324-309.000.

Suzuki, Kazuo: *See—*

Fukuda, Takuya; Mochizuki, Yasuhiro; Homma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.

Ihara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, 4,861,626, Cl. 427-133.000.

Namiki, Tomizo; Suzuki, Kazuo; and Shinozaki, Fumiaki, 4,877,712, Cl. 430-256.000.

Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, 4,839,879, Cl. 369-54.000.

Shimazu, Kikuo; Suzuki, Kazuo; Shiraki, Manabu; and Miyao, Osami, 4,836,631, Cl. 350-6.800.

Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, 4,882,180, Cl. 426-46.000.

Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,797,426, Cl. 521-93.000.

Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,800,214, Cl. 521-84.100.
Suzuki, Kazuto: *See—*
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,819,212, Cl. 365-230.000.
Nakai, Hiroto; Iwahashi, Hiroshi; Asano, Masamichi; Sato, Isao; Kumagai, Shigeru; and Suzuki, Kazuto, 4,831,592, Cl. 365-189.090.
Suzuki, Kazuyoshi: *See—*
Maeda, Yoshiyasu; Inoue, Yasuhiro; Uno, Toshiyuki; and Suzuki, Kazuyoshi, 4,888,945, Cl. 57-264.000.
Nagasawa, Hideo; Suzuki, Kazuyoshi; and Ishizuka, Tadashi, 4,832,516, Cl. 400-124.000.
Suzuki, Kazuyuki: *See—*
Kurosawa, Akihito; Suzuki, Kazuyuki; Anazawa, Osamu; and Yoshihara, Masayuki, 4,854,477, Cl. 221-1.000.
Suzuki, Keiichiro, to Konishiroku Photo Industry Co., Ltd. Electrostatic reproducing apparatus. 4,799,082, 1-17-89, Cl. 355-14.00R.
Suzuki, Keiko, to Brother Kogyo Kabushiki Kaisha. Image recording and adhering apparatus. 4,841,338, 6-20-89, Cl. 355-27.000.
Suzuki, Keisuke: *See—*
Kokubo, Yasushi; Suzuki, Keisuke; and Mori, Seiichiro, 4,871,912, Cl. 250-311.000.
Suzuki, Keitaro: *See—*
Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.
Suzuki, Keizo: Hiraoka, Susumu; and Nishimatsu, Shigeru, to Hitachi, Ltd. Surface treatment and apparatus therefor. 4,886,571, 12-12-89, Cl. 156-646.000.
Suzuki, Keizo: *See—*
Hiraoka, Susumu; Suzuki, Keizo; and Nishimatsu, Shigeru, 4,828,874, Cl. 427-53.100.
Okudaira, Sadayuki; Nishimatsu, Shigeru; Suzuki, Keizo; and Ninomiya, Ken, 4,844,767, Cl. 156-345.000.
Suzuki, Ken-ichi, to Oki Electric Industry Co., Ltd. Method for manufacturing a semiconductor device. 4,851,362, 7-25-89, Cl. 437-31.000.
Suzuki, Ken-ichi, to Oki Electric Industry Co., Ltd. Device isolation by etching trench in dielectric on substrate and epitaxially filling the trench. 4,886,763, 12-12-89, Cl. 437-61.000.
Suzuki, Ken-ichi: *See—*
Imai, Harumitsu; Suzuki, Ken-ichi; Miyazaki, Shigeru; and Kadota, Shigenobu, 4,843,008, Cl. 435-252.100.
Suzuki, Kenichi; and Minoura, Kazuo, to Canon Kabushiki Kaisha. Information recording-reproducing apparatus. 4,800,258, 1-24-89, Cl. 235-479.000.
Suzuki, Kenichi: *See—*
Kurihara, Hitoshi; Suzuki, Kenichi; and Minoura, Kazuo, 4,825,059, Cl. 235-483.000.
Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, 4,884,468, Cl. 74-502.400.
Yoshiwara, Seishiro; Kawanami, Takao; Suzuki, Kenichi; and Kako, Yukihiro, 4,831,708, Cl. 29-423.000.
Suzuki, Kenji; Takagi, Toshiyuki; and Nishi, Tomoya, to Hitachi, Ltd. Memory control system. 4,803,653, 2-7-89, Cl. 364-900.000.
Suzuki, Kenji; Masumoto, Tsuyoshi; Ota, Nobuhiro; Okubo, Mika; Mitera, Masao; Matsumoto, Akira; and Masuda, Shuji, to Research Development Corporation of Japan; Suzuki, Kenji; Masumoto, Tsuyoshi; Ota, Nobuhiro; Mitera, Masao; Matsumoto, Akira; and Masuda, Shuji. Amorphous ferromagnetic oxides. 4,806,265, 2-21-89, Cl. 252-62.630.
Suzuki, Kenji, to Fuji Photo Film Co., Ltd. Image readout method and apparatus. 4,809,061, 2-28-89, Cl. 358-75.000.
Suzuki, Kenji, to Fuji Photo Film Co., Ltd. Automatic photographic printing apparatus with simulator and method of adjusting simulator of automatic photographic printing apparatus. 4,812,879, 3-14-89, Cl. 355-38.000.
Suzuki, Kenji, to Fuji Photo Film Co., Ltd. Method for detecting/processing image information. 4,837,711, 6-6-89, Cl. 364-523.000.
Suzuki, Kenji, to Fuji Photo Film Co., Ltd. Simulator for automatic photographic printers. 4,866,475, 9-12-89, Cl. 355-38.000.
Suzuki, Kenji: *See—*
Ito, Yasunobu; and Suzuki, Kenji, 4,858,499, Cl. 74-866.000.
Ito, Yasunobu; Suzuki, Kenji; and Nobuaki, Miki, 4,870,581, Cl. 364-424.100.
Kubo, Junichi; and Suzuki, Kenji, 4,857,168, Cl. 208-58.000.
Masumoto, Tsuyoshi; Suzuki, Kenji; Okubo, Mika; Matsumoto, Akira; Ota, Nobuhiro; and Masuda, Shuji, 4,865,948, Cl. 430-270.000.
Ohta, Minemasa; Suzuki, Kenji; Fukuoka, Satoru; Takishita, Toshihiko; and Hayashi, Tuyoshi, 4,837,130, Cl. 430-321.000.
Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, 4,797,400, Cl. 514-255.000.
Sawada, Takashi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.
Takagi, Hiroshi; Hashimoto, Morimi; and Suzuki, Kenji, 4,816,351, Cl. 428-694.000.
Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, 4,889,853, Cl. 514-227.500.
Suzuki, Kenkichi: *See—*
Okamoto, Yukio; Shinada, Shinichi; Suzuki, Kenkichi; and Kougami, Akihiko, 4,799,058, Cl. 340-811.000.
Suzuki, Kiminobu: *See—*
Kiryu, Masakazu; Koinuma, Hiroyuki; and Suzuki, Kiminobu, 4,833,342, Cl. 307-296.100.
Suzuki, Kiyosuke, to Sony Corporation. Pulse width modulator for a printing apparatus. 4,802,105, 1-31-89, Cl. 364-519.000.
Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, to Nissan Motor Company Limited; and Jidosha Denki Kogyo Kabushiki Kaisha. System and method for automatically controlling cruising speed of a vehicle. 4,845,622, 7-4-89, Cl. 364-426.040.
Suzuki, Koichi: *See—*
Horiuchi, Ryo; Saito, Satoshi; Suzuki, Koichi; and Higashino, Kazuyuki, 4,856,163, Cl. 29-157.00C.
Oyama, Takuji; Suzuki, Koichi; and Mizuhashi, Mamoru, 4,859,532, Cl. 428-336.000.
Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojima, Hiroyasu, 4,885,068, Cl. 204-192.110.
Suzuki, Koji, to Canon Kabushiki Kaisha. Power supply unit. 4,868,729, 9-19-89, Cl. 363-21.000.
Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyotaka; and Mori, Hiroshi, to Asahi Glass Company, Ltd. Ion exchange membrane for electrolysis. 4,872,958, 10-10-89, Cl. 204-98.000.
Suzuki, Koji: *See—*
Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
Sakai, Jun; Suzuki, Koji; and Higashiyama, Shunichi, 4,865,938, Cl. 430-138.000.
Suzuki, Kouhei, to Kabushiki Kaisha Toshiba. Contact-type linear image sensor. 4,858,022, 8-15-89, Cl. 358-471.000.
Suzuki, Kouichi; Kobayashi, Kyoji; and Konishi, Kiyoshi, to Nissan Motor Company, Ltd.; and Jidosha Denki Kogyo Kabushiki Kaisha. System and method for automatically controlling a vehicle speed to a desired cruising speed. 4,829,437, 5-9-89, Cl. 364-426.040.
Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, to Nissan Motor Company, Ltd.; and Jidosha Denki Kogyo Kabushiki Kaisha. System and method for automatically controlling a vehicle speed to a desired cruising speed. 4,835,696, 5-30-89, Cl. 364-426.040.
Suzuki, Kouichi: *See—*
Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.
Suzuki, Kozo: *See—*
Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomabe, Norio; and Suzuki, Kozo, 4,844,041, Cl. 123-489.000.
Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,811,320, Cl. 369-45.000.
Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,845,699, Cl. 369-45.000.
Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, 4,886,035, Cl. 123-588.000.
Suzuki, Kunikazu: *See—*
Sakai, Shunji; Kitagawa, Tohru; Suzuki, Kunikazu; and Watanabe, Naohiro, 4,875,099, Cl. 358-213.110.
Suzuki, Kunio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Kinka, Mikio; Fukada, Takeshi; Nagayama, Susumu; Abe, Masayoshi; and Yamazaki, Shunpei, to Semiconductor Energy Laboratory Co. Ltd. Method for manufacturing photoelectric conversion devices. 4,806,496, 2-21-89, Cl. 437-4.000.
Suzuki, Kunio; and Hoshi, Toshiharu, to Yamaha Corporation. Method for producing a diaphragm for acoustic appliances. 4,847,981, 7-18-89, Cl. 29-594.000.
Suzuki, Kunio; Takamura, Masayuki; and Kubono, Tadashi, to Yamaha Corp. Method for producing a gap spacer for magnetic heads. 4,884,623, 12-5-89, Cl. 164-129.000.
Suzuki, Kunio: *See—*
Ikeda, Yasuhiro; Suzuki, Kunio; Watanabe, Masataka; and Ohara, Nobuhiro, 4,866,230, Cl. 219-10.430.
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; Nagayama, Susumu; and Koyanagi, Kaoru, 4,812,415, Cl. 437-2.000.
Yamazaki, Shunpei; Suzuki, Kunio; and Nagayama, Susumu, 4,826,711, Cl. 427-248.100.
Yamazaki, Shunpei; Suzuki, Kunio; Kinka, Mikio; Fukada, Takeshi; Abe, Masayoshi; Shibata, Katsuhiko; Shinohara, Hisato; and Susukida, Masato, 4,828,668, Cl. 204-298.000.
Yamazaki, Shunpei; Abe, Masayoshi; Nagayama, Susumu; Suzuki, Kunio; Fukada, Takeshi; Kinka, Mikio; Shibata, Katsuhiko; and Susukida, Masato, 4,847,669, Cl. 357-30.000.
Yamazaki, Shunpei; Suzuki, Kunio; Nagayama, Susumu; Inujima, Takashi; Abe, Masayoshi; Fukada, Takeshi; Kinka, Mikio; Kobayashi, Ippei; Shibata, Katsuhiko; Susukida, Masato; and Koyanagi, Kaoru, 4,888,305, Cl. 437-101.000.
Suzuki, Makoto; and Suzuki, Akihiro, to Brother Kogyo Kabushiki Kaisha. Solid memory medium and information reproduction system using the medium. 4,805,144, 2-14-89, Cl. 365-106.000.
Suzuki, Makoto; and Taki, Kazunari, to Brother Kogyo Kabushiki Kaisha. Laser-beam printer with improved optical deflector. 4,816,912, 3-28-89, Cl. 358-300.000.
Suzuki, Makoto; Kaneshiki, Toshitaka; Haneda, Tadayoshi; Kanno, Sueo; Hane, Yuichi; Endo, Toshiyuki; and Abe, Yoshihiko, to Hodogaya Chemical Co., Ltd. Method for adsorptive separation of dichlorotoluenes. 4,831,198, 5-16-89, Cl. 570-211.000.
Suzuki, Makoto; and Frukawa, Satoshi, to Brother Kogyo Kabushiki Kaisha. Laser beam printer with compactly arranged photosensitive element, laser beam emitting element and reflective element. 4,841,311, 6-20-89, Cl. 346-108.000.
Suzuki, Makoto, to Brother Kogyo Kabushiki Kaisha. Electronic typewriter with spell checking and correction. 4,842,428, 6-27-89, Cl. 400-697.000.
Suzuki, Makoto: *See—*
Higuchi, Hisayuki; and Suzuki, Makoto, 4,825,274, Cl. 357-43.000.
Higuchi, Hisayuki; Suzuki, Makoto; and Homma, Noriyuki, 4,858,191, Cl. 365-189.050.
Higuchi, Hisayuki; Suzuki, Makoto; Homma, Noriyuki; and Itoh, Kiyoo, 4,866,673, Cl. 365-177.000.
Iijima, Kenzaburou; Hayashi, Yoshinori; Suzuki, Makoto; and Uchiyama, Atsushi, 4,847,879, Cl. 377-43.000.
Sangyoji, Kazuo; Sakai, Jun; Hayashi, Shigeyuki; Suzuki, Makoto; and Kimura, Yasuo, 4,875,074, Cl. 355-27.000.
Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, 4,865,407, Cl. 350-96.120.
Yamamoto, Takemi; Makino, Kuniyasu; and Suzuki, Makoto, 4,824,220, Cl. 350-354.000.
Suzuki, Mamoru: *See—*
Araki, Seiichi; Suzuki, Mamoru; Iwasaki, Tetsuji; and Hioki, Yuichi, 4,868,217, Cl. 514-642.000.
Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,806,521, Cl. 503-216.000.
Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,833,119, Cl. 503-210.000.
Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,134, Cl. 503-210.000.
Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, 4,835,135, Cl. 503-210.000.
Suzuki, Masaaki: *See—*
Aoyama, Masashi; Suzuki, Masaaki; and Tamai, Yasuo, 4,847,147, Cl. 428-329.000.
Nakata, Yoshinori; Suzuki, Masaaki; and Okutani, Takeshi, 4,847,059, Cl. 423-341.000.
Noyori, Ryoji; Suzuki, Masaaki; Kawagishi, Toshio; and Kurozumi, Seizi, 4,845,282, Cl. 562-500.000.
Noyori, Ryoji; Suzuki, Masaaki; Yanagisawa, Akira; and Kurozumi, Seizi, 4,886,903, Cl. 560-121.000.
Suzuki, Masafumi; and Shirai, Hidenobu, to Fujitsu Limited. Planar magnetron sputtering apparatus and its magnetic source. 4,872,964, 10-10-89, Cl. 204-298.000.
Suzuki, Masaharu: *See—*
Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, 4,849,146, Cl. 264-81.000.
Suzuki, Masahiro: *See—*
Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.
Suzuki, Masakazu; Suematsu, Masayuki; and Komiya, Yoshinori, to Sony Corp. Method and apparatus for establishing a servicing mode of an electronic apparatus. 4,858,006, 8-15-89, Cl. 358-139.000.
Suzuki, Masaki; Nagano, Hiroyuki; Sato, Takeo; and Watanabe, Toshiyuki, to Matsushita Electric Industrial Co., Ltd. Scanning type projection exposure system. 4,844,568, 7-4-89, Cl. 350-6.200.
Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, to Hitachi, Ltd. Linear actuator assembly for accessing a magnetic memory disc. 4,795,928, 1-3-89, Cl. 310-13.000.
Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, to Hitachi, Ltd. Actuator for memory storage device. 4,812,934, 3-14-89, Cl. 360-106.000.
Suzuki, Masami: *See—*
Yamaguchi, Nobutaka; Fujiyama, Masaaki; Suzuki, Masami; and Yamada, Yasuyuki, 4,840,842, Cl. 428-323.000.
Suzuki, Masamichi; Sano, Tadaaki; Suzuki, Toshihiro; and Tanaka, Tsunehiko, to Alcan International Limited. Process for applying a zinc coating to an aluminum article. 4,888,218, 12-19-89, Cl. 427-383.900.
Suzuki, Masamitsu: *See—*
Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
Suzuki, Masanobu: *See—*
Ekimoto, [illegible]; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsuyuki; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
Watanabe, Hiroshi; and Suzuki, Masanobu, 4,803,446, Cl. 333-26.000.
Suzuki, Masanori, to Pioneer Electronic Corporation. Tracking servo system for an information recording disc player. 4,817,073, 3-28-89, Cl. 369-46.000.
Suzuki, Masanori; and Tateishi, Kiyoshi, to Pioneer Electronic Corporation. Method and apparatus for correcting the loop gain of a servo loop in accordance with measurements during open-loop operation. 4,878,211, 10-31-89, Cl. 369-44.000.
Suzuki, Masanori: *See—*
Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.
Miyoshi, Kenichi; Suzuki, Masanori; and Fuwa, Toru, 4,849,336, Cl. 435-6.000.
Sakaida, Atsushi; Suzuki, Masanori; and Naito, Yoshihiro, 4,795,524, Cl. 156-498.000.

Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,248, Cl. 364-513.000.
Suzuki, Masao, Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, to Canon Kabushiki Kaisha. High speed color balance adjusting device capable of compensating for a flickering light source. 4,833,525, 5-23-89, Cl. 358-29.000.
Suzuki, Masao: *See—*
Inuma, Mutsumi; and Suzuki, Masao, 4,851,897, Cl. 358-29.000.
Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.
Suzuki, Masaomi; and Koizumi, Hiroyasu, to Nihon Radiator Co., Ltd. Methods and apparatus for manufacturing piston rods. 4,871,894, 10-3-89, Cl. 219-93.000.
Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Pressure switch. 4,800,244, 1-24-89, Cl. 200-306.000.
Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Electrical connecting apparatus for steering wheel and steering column. 4,867,688, 9-19-89, Cl. 439-15.000.
Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Electrical connecting apparatus for steering wheel and steering column. 4,875,860, 10-24-89, Cl. 439-15.000.
Suzuki, Masaru, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Motor controlling switch device. 4,876,493, 10-24-89, Cl. 318-293.000.
Suzuki, Masaru, to Kabushiki Kaisha Tokai-Rika-Denki-Seisakusho. Vehicle turn signal cancelling device. 4,888,456, 12-19-89, Cl. 200-61.270.
Suzuki, Masaru: *See—*
Deguchi, Takenori; Suzuki, Masaru; Watanabe, Sanae; and Uchida, Kazuko, 4,818,568, Cl. 427-226.000.
Suzuki, Masashi: *See—*
Niikawa, Takeshi; and Suzuki, Masashi, 4,866,326, Cl. 310-315.000.
Suzuki, Masato: *See—*
Horiuchi, Kotaro; and Suzuki, Masato, 4,872,805, Cl. 415-7.000.
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Suzuki, Masatoshi; Fujikawa, Yoshimasa; and Fujimoto, Koichi, to Omron Tateisi Electronics Co. Still image pickup camera using high speed clear pulses to define a storage interval corresponding to a desired shutter speed. 4,805,024, 2-14-89, Cl. 358-213.190.
Suzuki, Masatoshi; Akiba, Shigeyuki; Tanaka, Hideaki; and Kushiro, Yukitoshi, to Kokusai Denshin Denwa Kabushiki Kaisha. Semiconductor integrated light emitting device. 4,811,352, 3-7-89, Cl. 372-45.000.
Suzuki, Masatoshi; Noda, Yukio; Kushiro, Yukitoshi; and Akiba, Shigeyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Semiconductor external optical modulator. 4,837,526, 6-6-89, Cl. 332-7.510.
Suzuki, Masatoshi: *See—*
Akiba, Shigeyuki; Usami, Masashi; Noda, Yukio; and Suzuki, Masatoshi, 4,796,274, Cl. 372-96.000.
Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,811,353, Cl. 372-45.000.
Noda, Yukio; Suzuki, Masatoshi; Kushiro, Yukitoshi; and Akiba, Shigeyuki, 4,820,655, Cl. 437-129.000.
Suzuki, Masaya: *See—*
Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, 4,871,596, Cl. 428-15.000.
Suzuki, Masayoshi; and Izaki, Naoyuki, to Hitachi, Ltd. High voltage pulse generating semiconductor circuit with improved driving arrangement. 4,808,845, 2-28-89, Cl. 307-270.000.
Suzuki, Masayuki, to Canon Kabushiki Kaisha. Granular member moving method and apparatus. 4,795,243, 1-3-89, Cl. 350-362.000.
Suzuki, Masayuki; and Hattori, Jun, to Canon Kabushiki Kaisha. Gradient index lens. 4,848,882, 7-18-89, Cl. 350-413.000.
Suzuki, Masayuki; Hara, Shinichi; Kimura, Kuniaki; Ono, Takeo; Nakamura, Munekazu; and Ohguchi, Yoshihiro, to Mitsubishi Paper Mills, Ltd. Method of oxidizing sulfide-containing liquor. 4,855,123, 8-8-89, Cl. 423-562.000.
Suzuki, Masayuki, to Sony Corporation. Disk cartridge having shutter and a device for opening and closing the shutter. 4,876,619, 10-24-89, Cl. 360-97.010.
Suzuki, Masayuki: *See—*
Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.
Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,816,851, Cl. 354-173.100.
Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,864,336, Cl. 354-152.000.
Fukahori, Hidehiko; Suzuki, Masayuki; and Aihara, Yoshihiko, 4,881,092, Cl. 354-152.000.
Fukuda, Tsuyoshi; Suzuki, Masayuki; and Kiuchi, Masayoshi, 4,843,420, Cl. 354-479.000.
Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.
Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.
Suda, Shigeyuki; and Suzuki, Masayuki, 4,828,373, Cl. 350-432.000.
Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,810,484, Cl. 423-598.000.

- Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,889,706, Cl. 423-593.000.
- Suzuki, Michinori: *See—*
  - Tsujimoto, Nobuhiro; Suzuki, Michinori; and Hiromoto, Jiro, 4,816,523, Cl. 525-380.000.
- Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, to Seitetsu Kagaku Co., Ltd. 4-tert.-butyl-1,2-benzenedithiol, complex compounds derived therefrom, and a method of producing the same. 4,835,317, 5-30-89, Cl. 568-66.000.
- Suzuki, Michio: *See—*
  - Hagiwara, Masayoshi; Suzuki, Michio; Sasaki, Ryoichi; Sugano, Minoru; Horiki, Akira; and Hayashi, Kazuyuki, 4,876,681, Cl. 370-60.000.
- Suzuki, Michiyuki: *See—*
  - Yamamoto, Tadashi; and Suzuki, Michiyuki, 4,799,531, Cl. 164-120.000.
- Suzuki, Migaku; and Kobayashi, Toshio, to Uni-Charm Corporation. Method of producing nonwoven fabrics. 4,805,275, 2-21-89, Cl. 28-104.000.
- Suzuki, Migaku; Ochi, Mitsuzo; and Kudo, Takeshi, to Uni-Charm Corporation. Method for making wearable articles. 4,834,740, 5-30-89, Cl. 604-385.200.
- Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Kobayashi, Toshio, to Uni-Charm Corporation. Nonwoven fabric patterned with apertures. 4,840,829, 6-20-89, Cl. 428-131.000.
- Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; and Ishigami, Makoto, to Uni-Charm Corporation. Backing drum. 4,868,958, 9-26-89, Cl. 28-104.000.
- Suzuki, Miki: *See—*
  - Takeya, Fuminori; Fukuda, Naoya; and Suzuki, Miki, 4,875,970, Cl. 156-645.000.
- Suzuki, Mikio, to Mitutoyo Corporation. Displacement detecting apparatus. 4,798,004, 1-17-89, Cl. 33-172.00E.
- Suzuki, Mikio: *See—*
  - Nakamura, Keiichi; Honaga, Susumu; Suzuki, Mikio; and Kawakami, Hiroshi, 4,805,714, Cl. 180-141.000.
  - Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masaoka, Toshio; Mori, Takashi; and Okimoto, Kazutaka, 4,852,633, Cl. 164-437.000.
- Suzuki, Minoru; and Minefuji, Nobutaka, to Asahi Kogaku Kogyo Kabushiki Kaisha. Color zoom copying apparatus. 4,825,252, 4-25-89, Cl. 355-32.000.
- Suzuki, Minoru: *See—*
  - Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, 4,838,563, Cl. 280-840.000.
- Suzuki, Mitiharu: *See—*
  - Hamada, Hiroshi; Watanabe, Takamitsu; and Suzuki, Mitiharu, 4,801,042, Cl. 220-410.000.
- Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi: Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, to Fujitsu Limited. Earth connection device in metal core printed circuit board. 4,823,235, 4-18-89, Cl. 361-424.000.
- Suzuki, Mitsugu: *See—*
  - Yamashiro, Hiroshi; and Suzuki, Mitsugu, 4,847,126, Cl. 428-35.200.
- Suzuki, Mitsuo, to Kabushiki Kaisha Toshiba. Adaptive automatic equalizer. 4,799,180, 1-17-89, Cl. 364-724.200.
- Suzuki, Mitsuo: *See—*
  - Sakai, Seiya; Suzuki, Mitsuo; and Saito, Toshiro, 4,869,659, Cl. 425-135.000.
  - Takada, Takashi; Hirao, Kenichi; Tanaka, Hiroyoshi; and Suzuki, Mitsuo, 4,861,659, Cl. 428-364.000.
- Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, to Toyo Boseki Kabushiki Kaisha. Cellulose ester hollow fiber membrane for plasma separation. 4,808,312, 2-28-89, Cl. 210-500.230.
- Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, to Toyo Boseki Kabushiki Kaisha. Cellulose ester hollow fiber membrane for plasma separation. 4,886,631, 12-12-89, Cl. 264-48.000.
- Suzuki, Mitsuya, to Seiko Instruments & Electronics Ltd. Switching element with nonlinear resistive, nonstoichiometric material. 4,828,370, 5-9-89, Cl. 350-339.00R.
- Suzuki, Mitsuya, to Seiko Instruments Inc. Liquid crystal display device. 4,871,234, 10-3-89, Cl. 350-333.000.
- Suzuki, Mitsuyoshi: *See—*
  - Kubo, Tsutomu; Asano, Kenichi; Kikuchi, Hiroaki; and Suzuki, Mitsuyoshi, 4,837,632, Cl. 358-222.000.
- Suzuki, Mituyosi: *See—*
  - Tanaka, Toshiyasu; Ariga, Sadakazu; and Suzuki, Mituyosi, 4,813,760, Cl. 350-96.210.
- Suzuki, Moitsu: *See—*
  - Maekawa, Kengo; Suzuki, Moitsu; Nakano, Yukiya; and Tani, Hisahiko, 4,852,685, Cl. 181-175.000.
- Suzuki, Motofumi; and Maeda, Hiromu, to Kabushiki Kaisha Maki Seisakusho. Method and apparatus for inspecting form, size, and surface condition of conveyed articles by reflecting images of four different side surfaces. 4,825,068, 4-25-89, Cl. 250-223.00R.
- Suzuki Motor Co., Ltd.: *See—*
  - Ichikawa, Kiyoshi; Ishizuka, Satoshi; and Yamamoto, Shinji, 4,865,808, Cl. 428-548.000.
  - Morita, Masataka; Ishihara, Masao; and Tachikawa, Mitsuru, 4,836,324, Cl. 180-291.000.
  - Sato, Seiichi, 4,869,546, Cl. 296-192.000.
- Suzuki, Motoshi: *See—*
  - Haseda, Satoshi; Tsuzuki, Yoshihiko; Konishi, Yoshimune; and Suzuki, Motoshi, 4,836,319, Cl. 180-142.000.
- Suzuki, Motoyuki; and Kikuchi, Kazuo, to Alps Electric Co., Ltd. Image scanner. 4,800,444, 1-24-89, Cl. 358-294.000.
- Suzuki, Motoyuki; Miura, Yoshio; and Fukushima, Akio, to Hitachi, Ltd. Constant linear velocity disk rotating apparatus. 4,841,511, 6-20-89, Cl. 369-50.000.
- Suzuki, Motoyuki; and Miura, Yoshio, to Hitachi, Ltd. Access control system for rotating an information storage disc at a constant linear velocity. 4,866,695, 9-12-89, Cl. 369-266.000.
- Suzuki, Motoyuki; and Deguchi, Yukichi, to Toray Industries. Capacitor. 4,882,653, 11-21-89, Cl. 361-323.000.
- Suzuki, Naoyuki: *See—*
  - Kobari, Katsuo; Ota, Naoto; Suzuki, Naoyuki; and Kanamori, Yuji, 4,863,389, Cl. 439-83.000.
- Suzuki, Noboru; and Toji, Shigeo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic focusing camera. 4,853,732, 8-1-89, Cl. 354-402.000.
- Suzuki, Noboru; and Tohji, Shigeo, to Asahi Kogaku Kogyo Kabushiki Kaisha. Automatic focusing device. 4,868,592, 9-19-89, Cl. 354-400.000.
- Suzuki, Noboru; Toji, Shigeo; and Uenaka, Yukio, to Asahi Kogaku Kogyo Kabushiki Kaisha. Signal processing device for automatic-focusing video signal in electronically controlled photographic camera. 4,876,603, 10-24-89, Cl. 358-227.000.
- Suzuki, Noboru: *See—*
  - Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.
- Suzuki, Nobuhiko, to Diesel Kiki Co., Ltd. Air conditioner system for automobiles. 4,815,300, 3-28-89, Cl. 62-209.000.
- Suzuki, Nobuhiko, to Diesel Kiki Co., Ltd. Method and system for controlling capacity of variable capacity wobble plate compressor. 4,848,101, 7-18-89, Cl. 62-228.500.
- Suzuki, Nobuhiko, to Diesel Kiki Co., Ltd. Air conditioner system for automobiles. 4,864,832, 9-12-89, Cl. 62-133.000.
- Suzuki, Nobuhiko; and Aoki, Tetuya, to Diesel Kiki Co., Ltd.; and Fujikoki Manufacturing Co., Ltd. Pressure control valve for variable displacement swash plate type compressor. 4,875,832, 10-24-89, Cl. 417-222.000.
- Suzuki, Nobuhiro: *See—*
  - Kondo, Koichi; and Suzuki, Nobuhiro, 4,816,390, Cl. 435-7.000.
- Suzuki, Nobuji: *See—*
  - Sasaki, Minoru; and Suzuki, Nobuji, 4,848,033, Cl. 49-352.000.
- Suzuki, Nobukazu; and Nonaka, Tadashi, to Sumitomo Metal Industries, Ltd. Pb alloy insoluble anode and continuous electroplating of zinc using it. 4,814,048, 3-21-89, Cl. 204-28.000.
- Suzuki, Nobukazu: *See—*
  - Koyasu, Yoshiro; Tsuchida, Yutaka; and Suzuki, Nobukazu, 4,806,178, Cl. 148-330.000.
- Suzuki, Nobuo, to Kabushiki Kaisha Toshiba. Electronic still camera. 4,819,074, 4-4-89, Cl. 358-209.000.
- Suzuki, Nobuo, to Kabushiki Kaisha Toshiba. Electronic still camera and method of determining exposure time thereof. 4,843,474, 6-27-89, Cl. 358-213.190.
- Suzuki, Nobuo; Ota, Ikuhide; and Ishii, Masanobu, to Kabushiki Kaisha Toyo Seisakusho. Pressure-controlling apparatus employed in pre-chamber of environmental testing chamber for self-propelled vehicle. 4,847,790, 7-11-89, Cl. 364-551.010.
- Suzuki, Nobuo; Morinaga, Motoyasu; Furuyama, Hideto; Hirayama, Yuzo; Okuda, Hajime; Nakamura, Masaru; and Motegi, Nawoto, to Kabushiki Kaisha Toshiba. Semiconductor laser device. 4,858,241, 8-15-89, Cl. 372-46.000.
- Suzuki, Nobuo, to Kabushiki Kaisha Toshiba. Electronic camera having solid state image sensor with improved noise signal draining. 4,884,142, 11-28-89, Cl. 358-213.190.
- Suzuki, Nobuo: *See—*
  - Kaneda, Tokuya; Saito, Akira; Watanabe, Masateru; Oeumi, Tomoji; and Suzuki, Nobuo, 4,807,212, Cl. 369-44.000.
  - Morinaga, Motoyasu; Furuyama, Hideto; Nakamura, Masaru; Suzuki, Nobuo; Hirayama, Yuzo; and Okuda, Hajime, 4,867,474, Cl. 372-50.000.
- Suzuki, Nobuyoshi: *See—*
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,423, Cl. 525-80.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,839,432, Cl. 525-303.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,877,841, Cl. 525-286.000.
  - Moriya, Yasuo; Suzuki, Nobuyoshi; and Goto, Hiroshi, 4,879,347, Cl. 525-263.000.
- Suzuki, Nobuyuki; Shimizu, Masao; and Katsuragawa, Mitsuhiro, to Canon Kabushiki Kaisha. Vibration wave motor. 4,833,358, 5-23-89, Cl. 310-316.000.
- Suzuki, Nobuyuki, to Canon Kabushiki Kaisha. Light measuring device for flash exposure system. 4,868,594, 9-19-89, Cl. 354-410.000.
- Suzuki, Nobuyuki: *See—*
  - Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
  - Kiyohara, Syuichi; Suzuki, Nobuyuki; and Kiuchi, Masayoshi, 4,849,783, Cl. 354-442.000.
  - Yamamoto, Hiroshi; and Suzuki, Nobuyuki, 4,841,327, Cl. 354-412.000.
- Suzuki, Norihiko, to Minolta Camera Kabushiki Kaisha. Copying machine with an automatic document feeder. 4,855,794, 8-8-89, Cl. 355-54.000.
- Suzuki, Norio; Masuko, Takayuki; and Moriya, Kaoru, to Fujitsu Limited. Positioning mechanism of optical fiber connector. 4,832,435, 5-23-89, Cl. 350-96.200.
- Suzuki, Norio, to NEC Corporation. Color television signal sampling clock phase control system. 4,843,455, 6-27-89, Cl. 358-13.000.
- Suzuki, Norio, to NEC Corporation. Adaptive quantizing device for use in a differential encoder. 4,852,125, 7-25-89, Cl. 375-30.000.
- Suzuki, Norio: *See—*
  - Masuko, Takayuki; Suzuki, Norio; and Moriya, Kaoru, 4,839,993, Cl. 51-129.000.
  - Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, 4,853,894, Cl. 365-154.000.
- Suzuki, Noriyuki, to Canon Kabushiki Kaisha. Information processing apparatus for inputting coordinate data selectively from either the obverse or the reverse surface of an input tablet. 4,853,494, 8-1-89, Cl. 178-18.000.
- Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, to Canon Kabushiki Kaisha. Coordinates input apparatus. 4,886,943, 12-12-89, Cl. 178-18.000.
- Suzuki, Osami, to Toshiba America, Inc. Personal sound system. 4,876,724, 10-24-89, Cl. 381-187.000.
- Suzuki, Osamu; Ishizaki, Kanjiro; Asami, Akira; and Kushida, Shizuko, to Chichibu Cement Co. Ltd. Pressure-regulating device for use in storage, transportation and disposal of hazardous wastes. 4,826,035, 5-2-89, Cl. 220-203.000.
- Suzuki, Osamu; Asada, Eizi; and Fukuoka, Tatsuhiko, to Taiho Kogyo Co., Ltd. Electric conductive and sliding resin material. 4,830,777, 5-16-89, Cl. 252-511.000.
- Suzuki, Osamu; and Yokochi, Toshihiro, to Director General of Agency of Industrial Science and Technology. Method for obtaining lipids from fungus bodies. 4,870,011, 9-26-89, Cl. 435-134.000.
- Suzuki, Osamu: *See—*
  - Oishi, Kengo; and Suzuki, Osamu, 4,797,768, Cl. 360-132.000.
  - Oishi, Kengo; and Suzuki, Osamu, 4,825,320, Cl. 360-132.000.
  - Oishi, Kengo; and Suzuki, Osamu, 4,832,285, Cl. 242-198.000.
  - Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu; Sugeta, Tsutomu; and Nakazawa, Noriaki, 4,857,329, Cl. 424-195.100.
  - Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, 4,841,403, Cl. 360-132.000.
- Suzuki, Roichi: *See—*
  - Takigawa, Kazunori; and Suzuki, Roichi, 4,840,348, Cl. 251-63.600.
- Suzuki, Ryo: *See—*
  - Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.
  - Maruyama, Youji; and Suzuki, Ryo, 4,831,584, Cl. 365-29.000.
  - Maruyama, Youji; Ikeda, Tadashi; Takeuchi, Teruaki; and Suzuki, Ryo, 4,845,671, Cl. 365-87.000.
  - Maruyama, Youzi; Ikeda, Tadashi; and Suzuki, Ryo, 4,884,236, Cl. 365-29.000.
  - Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.
- Suzuki, Ryoichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Sliding exhaust brake system. 4,848,523, 7-18-89, Cl. 188-273.000.
- Suzuki, Ryoichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Slide type exhaust brake system. 4,858,734, 8-22-89, Cl. 188-273.000.
- Suzuki, Ryoichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Sliding exhaust brake having main valve and auxiliary valve with flow space therebetween. 4,886,148, 12-12-89, Cl. 188-273.000.
- Suzuki, Ryoichi: *See—*
  - Takikawa, Kazunori; and Suzuki, Ryoichi, 4,819,696, Cl. 137-630.120.
- Suzuki, Ryozo: *See—*
  - Matsuda, Takashi; Suzuki, Ryozo; Iwai, Shingo; and Ikeda, Ryoji, 4,822,258, Cl. 417-423.300.
- Suzuki, Ryuichi: *See—*
  - Horiuchi, Hideyuki; Shinbo, Chiaki; Onodera, Yoichi; and Suzuki, Ryuichi, 4,818,861, Cl. 250-235.000.
  - Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
  - Motoike, Jun; Hashizume, Akihide; and Suzuki, Ryuichi, 4,850,024, Cl. 382-6.000.
  - Umetani, Keiji; Ueda, Ken; Suzuki, Ryuichi; and Yokouchi, Hisatake, 4,890,310, Cl. 378-82.000.
- Suzuki, Ryuji; Furukawa, Hiroshi; and Kamata, Shigeru, to Canon Kabushiki Kaisha. Adjustment apparatus for a lens barrel with built-in motor. 4,844,586, 7-4-89, Cl. 350-255.000.
- Suzuki, Ryuji: *See—*
  - Aoyagi, Masao; Suzuki, Ryuji; Kamata, Shigeru; and Yasuda, Keiichi, 4,865,432, Cl. 350-429.000.
- Suzuki, Saburo: *See—*
  - Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.
  - Togawa, Eisei; Suzuki, Saburo; Sugimoto, Kenji; and Kuwatsuka, Shunichiro, 4,841,624, Cl. 29-603.000.
- Suzuki, Satoru: *See—*
  - Fukuda, Takashi; Saito, Kiyoshi; Suzuki, Satoru; Sato, Hideki; and Hirota, Toshio, 4,851,601, Cl. 585-241.000.
  - Morishita, Akira; Suzuki, Satoru; and Yabe, Tatsuo, 4,808,871, Cl. 310-89.000.
- Suzuki, Satoshi; and Someya, Ryoichi, to Mabuchi Motor Co., Ltd. Electric motor with earth plate press fitted to motor casing. 4,798,984, 1-17-89, Cl. 310-68.00C.
- Suzuki, Satoshi; and Shigeki, Kiyoshi, to Toyoda Gosei Co., Ltd. Weather strip for automobile. 4,819,382, 4-11-89, Cl. 49-497.000.
- Suzuki, Satoshi, to Yamaha Corporation. Tone control device for an electronic musical instrument. 4,862,783, 9-5-89, Cl. 84-622.000.
- Suzuki, Satoshi, to Yamaha Corporation. Automatic accompaniment apparatus for electronic musical instrument. 4,887,503, 12-19-89, Cl. 84-613.000.
- Suzuki, Satoshi: *See—*
  - Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu, 4,843,537, Cl. 364-187.000.
  - Kitaguchi, Hiroshi; Izumi, Shigeru; and Suzuki, Satoshi, 4,879,466, Cl. 250-370.140.
  - Okada, Toshihiko; Yagi, Toshifumi; and Suzuki, Satoshi, 4,879,886, Cl. 66-151.000.
  - Usami, Saburo; Uchiyama, Kyoichi; and Suzuki, Satoshi, 4,875,837, Cl. 417-407.000.
- Suzuki, Seigo, to Kabushiki Kaisha Toshiba. Image memory having standard dynamic RAM chips. 4,847,809, 7-11-89, Cl. 365-189.040.
- Suzuki, Seigo: *See—*
  - Nose, Sigeru; and Suzuki, Seigo, 4,802,136, Cl. 365-238.000.
- Suzuki, Seiichi, to Daisuzu Kogyou Co. Ltd. Press type cutting machine for fabric. 4,813,318, 3-21-89, Cl. 83-533.000.
- Suzuki, Seiji: *See—*
  - Hirano, Shigeo; Murai, Ashita; and Suzuki, Seiji, 4,828,973, Cl. 430-598.000.
- Suzuki, Seikoo; Miki, Masayuki; Sasayama, Takao; Osuga, Minoru; and Oyama, Yoshishige, to Hitachi, Ltd. Air-fuel ratio detection system for engine exhaust gas. 4,882,030, 11-21-89, Cl. 204-406.000.
- Suzuki, Seikou: *See—*
  - Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, 4,802,952, Cl. 156-634.000.
  - Miki, Masayuki; and Suzuki, Seikou, 4,803,866, Cl. 73-23.000.
- Suzuki, Shigeaki; and Nozaki, Tatsuya, to CDK Corporation; and Credix Corporation. Commodity information transmission system for on-line transaction network. 4,800,254, 1-24-89, Cl. 235-380.000.
- Suzuki, Shigeaki; Mori, Toshiki; Onishi, Takashi; and Fujita, Yoshiji, to Kuraray Company Ltd. Process for preparing chlorinated olefins. 4,827,056, 5-2-89, Cl. 570-189.000.
- Suzuki, Shigeaki: *See—*
  - Onishi, Takashi; Suzuki, Shigeaki; Mori, Toshiki; Fujii, Hiroshi; and Fujita, Yoshiji. 4,886,916, Cl. 568-34.000.
- Suzuki, Shigeharu: *See—*
  - Sone, Yuji; Wada, Kayoko; Kurahashi, Hayao; Nakai, Yoichi; Narutani, Tetsu; and Suzuki, Shigeharu, 4,859,287, Cl. 204-1.00T.
- Suzuki, Shigehiro: *See—*
  - Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.
- Suzuki, Shigemitsu, to Aisin Seiki Kabushiki Kaisha. Electromagnetic valve assembly. 4,846,439, 7-11-89, Cl. 251-129.140.
- Suzuki, Shigeo; and Yasuda, Kazuyuki, to Kabushiki Kaisha Toshiba. Method for production of sliding member. 4,886,556, 12-12-89, Cl. 264-63.000.
- Suzuki, Shigeo: *See—*
  - Gill, Daniel E.; Suzuki, Shigeo, and Sakata, Yasuo, 4,806,040, Cl. 403-24.000.
  - Yamaguchi, Morie; Horita, Chiezo; Suzuki, Shigeo; and Sakata, Yasuo, 4,857,411, Cl. 428-546.000.
- Suzuki, Shigeru, to Ricoh Company, Ltd. Device for reducing document in size having two facing non-parallel mirrors. 4,812,917, 3-14-89, Cl. 358-293.000.
- Suzuki, Shigeru; Ohshiro, Katsuhiko; and Watanabe, Yasushi, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Variable displacement vane compressor. 4,846,632, 7-11-89, Cl. 417-295.000.
- Suzuki, Shigeru; and Mashiko, Harumitsu, to Ricoh Company, Ltd. Image reader using a plurality of CCDS. 4,849,820, 7-18-89, Cl. 358-483.000.
- Suzuki, Shigeru; Nomura, Etsuzo; and Takeuchi, Hirokazu, to Brother Kogyo Kabushiki Kaisha. Sewing machine for performing pattern-match sewing. 4,867,087, 9-19-89, Cl. 112-314.000.
- Suzuki, Shigeru; and Shimida, Shinichi, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling composite intake manifold system for internal combustion engine. 4,875,438, 10-24-89, Cl. 123-52.0MB.
- Suzuki, Shigeru; Ohshiro, Katsuhiko; and Kasugai, Ichiro, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Lubricating arrangement for a shaft seal in a vane type compressor. 4,886,436, 12-12-89, Cl. 418-100.000.
- Suzuki, Shigeru: *See—*
  - Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
  - Matsumoto, Kazuyoshi; Miyakawa, Seiichi; Ohdake, Eishu; and Suzuki, Shigeru, 4,803,593, Cl. 361-225.000.
  - Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.
  - Shimizu, Kenichi; and Suzuki, Shigeru, 4,870,453, Cl. 355-39.000.
  - Takeda, Akihiko; Kaneda, Hiroyuki; and Suzuki, Shigeru, 4,889,079, Cl. 123-41.82R.

Suzuki, Shin: *See—*
Murate, Tsuneo; and Suzuki, Shin, 4,855,674, Cl. 324-158.00R.

Suzuki, Shinichi; Hasegawa, Jun; and Takenaka, Kenji, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Cooling device equipped with a variable displacement type compressor. 4,821,527, 4-18-89, Cl. 62-209.000.

Suzuki, Shinichi, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Method for controlling the operation of a variable displacement refrigerant compressor for a car air-conditioner. 4,841,736, 6-27-89, Cl. 62-133.000.

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Suzuki, Shinichi; Hibino, Soukichi; Hamaoka, Takahiro; and Ohta, Masaki, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Method of controlling wobble plate type compressor. 4,880,356, 11-14-89, Cl. 417-53.000.

Suzuki, Shinichi: *See—*
Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,841,737, Cl. 62-133.000.
Fujii, Toshiro; Suzuki, Shinichi; and Nakamoto, Akira, 4,846,630, Cl. 417-222.000.
Kanamaru, Tatsuya; Nakayama, Motohiro; Arai, Katutoshi; Suzuki, Shinichi; and Naka, Ryoichi, 4,877,494, Cl. 204-28.000.
Kawai, Katsunori; Suzuki, Shinichi; Hattori, Mitsuhiro; and Deguchi, Hiroyuki, 4,856,292, Cl. 62-217.000.
Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,808,083, Cl. 417-295.000.
Watanabe, Yasushi; Kawaguchi, Masahiro; Suzuki, Shinichi; and Nakai, Tatsuya, 4,838,740, Cl. 417-295.000.
Watanabe, Yasushi; Suzuki, Shinichi; Kawaguchi, Masahiro; and Nakai, Tatsuya, 4,842,490, Cl. 417-295.000.
Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,844,703, Cl. 417-295.000.

Suzuki, Shinichiro: *See—*
Minohara, Kiyomi; Sogabe, Satoshi; and Suzuki, Shinichiro, 4,884,522, Cl. 114-125.000.
Tsuchiya, Shozo; Aoki, Nobuo; and Suzuki, Shinichiro, 4,889,791, Cl. 430-270.000.

Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, to Ushio Denki Kabushiki Kaisha. Apparatus for treating photoresists. 4,841,342, 6-20-89, Cl. 355-71.000.

Suzuki, Shinji; Ueki, Kazuyoshi; Suzuki, Hiroko; and Mimura, Yoshiki, to Ushio Denki Kabushiki Kaisha. Method of treating photoresists. 4,868,095, 9-19-89, Cl. 430-326.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, to Usho Denki. Method of treating photoresists. 4,882,263, 11-21-89, Cl. 430-328.000.

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Suzuki, Shintaro: *See—*
Umezawa, Hamao; Suzuki, Shintaro; Ohkuma, Taka'aki; Sato, Fumihiro; and Nakamura, Teruya, 4,876,244, Cl. 514-19.000.

Suzuki, Shinzaburo: *See—*
Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.

Suzuki, Shiro: *See—*
Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; Suzuki, Shiro; and Tanabe, Masashi, 4,817,075, Cl. 369-47.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Tsuchida, Masami; Suzuki, Shiro; Koguchi, Kiichiro; Takahashi, Tokihiro; and Sato, Takayuki, 4,887,170, Cl. 360-15.000.

Suzuki, Shirou: *See—*
Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.

Suzuki, Shoichi: *See—*
Tachi, Kazuyuki; Okuda, Chikaaki; Yamada, Katsunori; Oyama, Yoichi; and Suzuki, Shoichi, 4,798,335, Cl. 239-296.000.

Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, to Hitachi, Ltd. Magnetic head slider. 4,814,906, 3-21-89, Cl. 360-75.000.

Suzuki, Shosuke: *See—*
Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.

Suzuki, Shuichi; Wada, Moriyasu; and Hayase, Shuzi, to Kabushiki Kaisha Toshiba. Photocurable composition. 4,831,063, 5-16-89, Cl. 522-13.000.

Suzuki, Shuichi: *See—*
Hayase, Shuzi; Onishi, Yasunobu; Suzuki, Shuichi; and Wada, Moriyasu, 4,835,193, Cl. 522-15.000.
Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., 4,829,134, Cl. 525-523.000.
Wada, Moriyasu; Suzuki, Shuichi; Wada, Yuusuke; Hayase, Shuzi; and Mikogami, Yukihiro, 4,816,496, Cl. 522-17.000.

Suzuki, Shuji: *See—*
Fujiwara, Masahiko; Ajisawa, Akira; and Suzuki, Shuji, 4,798,435, Cl. 350-96.130.

Suzuki, Shun: *See—*
Sakamoto, Junshin; Suzuki, Shun; and Tsushima, Akinori, 4,836,349, Cl. 192-56.00R.
Shinohara, Shigeru; and Suzuki, Shun, 4,803,410, Cl. 318-331.000.
Shinohara, Shigeru; Suzuki, Shun; and Niyada, Masateru, 4,831,364, Cl. 340-680.000.

Suzuki, Shuzo: *See—*
Kakii, Toshiaki; Asano, Yasuo; and Suzuki, Shuzo, 4,818,059, Cl. 350-96.210.
Kakii, Toshiaki; Saito, Kazuhito; and Suzuki, Shuzo, 4,830,456, Cl. 350-96.200.
Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, 4,804,247, Cl. 350-96.340.
Nishimura, Akira; and Suzuki, Shuzo, 4,820,014, Cl. 350-96.230.
Shigematsu, Masayuki; and Suzuki, Shuzo, 4,840,482, Cl. 356-73.100.
Watanabe, Minoru; Yokota, Hiroshi; Suzuki, Shuzo; and Suganuma, Hiroshi, 4,832,720, Cl. 65-3.110.

Suzuki, Sizuo: *See—*
Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.

Suzuki, Soubei: *See—*
Nishizawa, Junichi; Abe, Hitoshi; and Suzuki, Soubei, 4,806,321, Cl. 422-245.000.

Suzuki, Statoshi, to Yamaha Corporation. Electronic musical instrument capable of performing an automatic accompaniment. 4,887,505, 12-19-89, Cl. 84-714.000.

Suzuki, Sunao; and Kayamori, Wataru, to Mitsubishi Denki Kabushiki Kaisha. Digital protective relay. 4,885,656, 12-5-89, Cl. 361-86.000.

Suzuki, Sunao: *See—*
Katsumata, Kenji; Sugiyama, Masato; Matono, Takaaki; Hirahata, Shigeru; Nakagawa, Isao; Ishikura, Kazuo; and Suzuki, Sunao, 4,853,765, Cl. 358-11.000.

Suzuki, Susumu: *See—*
Okamoto, Hiroshi; Fushimi, Kimio; and Suzuki, Susumu, 4,798,057, Cl. 62-228.300.

Suzuki, Syoichi: *See—*
Miyamoto, Yukihiko; Kobayashi, Hirokazu; and Suzuki, Syoichi, 4,884,267, Cl. 370-100.100.

Suzuki, Syuji, to NEC Corporation. Opto-electric logic elements. 4,802,175, 1-31-89, Cl. 372-8.000.

Suzuki, Syuji, to NEC Corporation. Optical matrix switch. 4,822,124, 4-18-89, Cl. 350-96.110.

Suzuki, Syuji, to NEC Corporation. Wavelength division optical switching system having wavelength switching light modulators. 4,845,703, 7-4-89, Cl. 370-3.000.

Suzuki, Tadao; Van Luyt, Balthasar A. G.; and Van Den Hoven, Lambertus M. C., to Sony Corporation. Method of and device for storing and reading digital information at option protected or not by an error correcting code. 4,802,169, 1-31-89, Cl. 371-38.000.

Suzuki, Tadao; and Tsutsui, Mitsukuni, to Hitachi, Ltd. Hot film type air flow meter. 4,829,814, 5-16-89, Cl. 73-118.200.

Suzuki, Tadashi: *See—*
Honma, Toshio; Takeda, Hiroaki; and Suzuki, Tadashi, 4,821,068, Cl. 355-14.00E.
Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.
Nakajima, Yoshiaki; Suzuki, Tadashi; and Wada, Yoneji, 4,852,693, Cl. 184-6.400.
Sakagami, Atsushi; Futami, Toru; Abe, Noriyuki; and Suzuki, Tadashi, 4,799,218, Cl. 370-85.000.
Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, 4,803,520, Cl. 355-7.000.
Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.

Suzuki, Tadasu, to Tsubakimoto Chain Co. Ratchet-type tensioner with positive backlash. 4,822,320, 4-18-89, Cl. 474-111.000.

Suzuki, Tadasu, to Tsubakimoto Chain Co. Fluidic tensioner. 4,874,352, 10-17-89, Cl. 474-110.000.

Suzuki, Tadasu, to Tsubakimoto Chain Company. Fluidic tensioner. 4,881,927, 11-21-89, Cl. 474-110.000.

Suzuki, Takahire: *See—*
Matsumura, Shuzo; Mizuno, Takanori; Aoki, Noboru; and Suzuki, Takahire, 4,873,466, Cl. 313-131.00R.

Suzuki, Takahisa: *See—*
Nebu, Hideaki; Suzuki, Takahisa; and Swano, Yoshiaki, 4,830,423, Cl. 296-78.100.

Suzuki, Takamasa, to NEC Corporation. Test control circuit for integrated circuit. 4,837,765, 6-6-89, Cl. 371-25.000.

Suzuki, Takamasa: *See—*
Kasugai, Joji; Toki, Satoshi; Enomoto, Koji; and Suzuki, Takamasa, 4,815,705, Cl. 251-356.000.

Suzuki, Takami; Tatara, Yoshikuni; and Moriya, Tomoyuki, to Ricoh Company, Ltd. Selective magnetic attachment of a print head to a drive belt. 4,874,264, 10-17-89, Cl. 400-335.000.

Suzuki, Takami: *See—*
Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.

Suzuki, Takamichi: *See—*
Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.

Suzuki, Takao; and Uekido, Kouzou, to Japan Aviation Electronics Industry, Limited; and NEC Corporation. Electronic device packaging structure. 4,883,429, 11-28-89, Cl. 439-74.000.

Suzuki, Takao: *See—*
Arai, Kozo; Suzuki, Takao; and Umetsu, Syozo, 4,800,133, Cl. 428-606.000.
Asano, Katuhiko; and Suzuki, Takao, 4,872,314, Cl. 62-49.100.

Suzuki, Takashi; and Kobayashi, Akihiro, to Nittan Company, Limited. Fire sensor. 4,823,118, 4-18-89, Cl. 340-693.000.

Suzuki, Takashi; Hasu, Akinori; Yoshida, Hiroshi; and Hashimoto, Shigeru, to Canon Kabushiki Kaisha. Process for producing magnetic recording medium. 4,824,708, 4-25-89, Cl. 428-64.000.

Suzuki, Takashi, to Pioneer Electronic Corporation. Mobile stand-type loudspeaker set installing device. 4,848,858, 7-18-89, Cl. 312-246.000.

Suzuki, Takashi; Yasuda, Tetsuo; Miyauchi, Otohiko; and Yotsuyanagi, Junji, to Showa Denko Kabushiki Kaisha. Method of insert injection molding. 4,865,793, 9-12-89, Cl. 264-278.000.

Suzuki, Takashi, to NEC Corporation. Clock control system. 4,882,738, 11-21-89, Cl. 375-108.000.

Suzuki, Takashi: *See—*
Fukuoka, Tatsuhiko; and Suzuki, Takashi, 4,878,768, Cl. 384-279.000.
Iizuka, Kiyoshi; and Suzuki, Takashi, 4,795,238, Cl. 350-332.000.
Kobayashi, Atsushi; Suzuki, Takashi; and Kosugi, Yasuhiko, 4,860,058, Cl. 355-27.000.
Komatsu, Haruo; and Suzuki, Takashi, 4,878,391, Cl. 74-89.200.
Nakanishi, Yasuhiro; Ikemoto, Yutaka; and Suzuki, Takashi, 4,833,689, Cl. 374-170.000.
Namiki, Tetsuro; Furuse, Masayasu; Kuroyanagi, Yoshimitsu; Miyata, Teruo; and Suzuki, Takashi, 4,840,937, Cl. 514-21.000.

Suzuki, Takayuki: *See—*
Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma, Koichi; and Suzuki, Takayuki, 4,880,686, Cl. 428-212.000.

Suzuki, Takeo; and Yuyama, Junpei, to Nihon Shinku Gijutsu Kabushiki Kaisha; and Kabushiki Kaisha Yaskawa Denki Seisakusho. Wafer transfer hand. 4,848,814, 7-18-89, Cl. 294-1.100.

Suzuki, Takeshi, to Yoshida Kogyo K. K. Punch assembly. 4,848,638, 7-18-89, Cl. 227-149.000.

Suzuki, Takeshi: *See—*
Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.
Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, 4,888,439, Cl. 560-129.000.

Suzuki, Takio; and Imamura, Kaneo, to Aisan Kogyo Kabushiki Kaisha. Throttle body. 4,860,706, 8-29-89, Cl. 123-337.000.

Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Toda, Kazuo; Kamakura, Takuro; and Ota, Toshiaki, to Shinto Paint Co., Ltd. Method of forming functional films on fine transparent electric conductive circuit pattern and spaces thereof. 4,812,387, 3-14-89, Cl. 430-311.000.

Suzuki, Tameyuki; and Kamakura, Takuro, to Shinto Paint Co., Ltd. Flexible cicuit substrate with electroconductive adhesive layer and its production. 4,844,784, 7-4-89, Cl. 204-180.900.

Suzuki, Tameyuki; and Kamakura, Takuro, to Shinto Paint Co., Ltd. Method of forming functional coating film between fine electric conductive circuits. 4,873,175, 10-10-89, Cl. 430-311.000.

Suzuki, Tamotsu; Shinozaki, Fumiaki; Nishioka, Akira; and Totsuka, Mikio, to Fuji Photo Film Co., Ltd. Light sensitive alkali developable photoresist material with fluorine surfactant containing color layer. 4,803,145, 2-7-89, Cl. 430-166.000.

Suzuki, Tateo: *See—*
Hara, Yukihiko; and Suzuki, Tateo, 4,840,966, Cl. 514-456.000.

Suzuki, Tatsuo; and Isono, Keinosuke, to Material Engineering Technology Laboratory Inc. Medical bag and method for preparing the same. 4,836,691, 6-6-89, Cl. 383-80.000.

Suzuki, Tatsuo; and Isono, Keinosuke, to Material Engineering Technology Laboratory, Incorporated. Medical fluid-filled plastic container and methods of making same. 4,872,553, 10-10-89, Cl. 206-524.400.

Suzuki, Tatsuo: *See—*
Kabe, Kazuyuki; Suzuki, Tatsuo; and Takahashi, Ken, 4,881,587, Cl. 152-534.000.
Tanabe, Susumu; and Suzuki, Tatsuo, 4,842,590, Cl. 604-282.000.

Suzuki, Tatsuya: *See—*
Katayama, Motohiro; and Suzuki, Tatsuya, 4,826,126, Cl. 248-562.000.
Katayama, Motohiro; and Suzuki, Tatsuya, 4,850,578, Cl. 267-140.100.
Katayama, Motohiro; and Suzuki, Tatsuya, 4,880,215, Cl. 267-140.100.

Suzuki, Teiichi: *See—*
Ito, Hisao; Nobue, Mamoru; Nishihara, Yoshio; and Suzuki, Teiichi, 4,819,082, Cl. 358-294.000.

Suzuki, Teisuke; and Matsuhara, Hiroshi, to JAC Creative Foods, Inc. Method for producing a fish slurry into edible products. 4,853,239, 8-1-89, Cl. 426-249.000.

Suzuki, Teisuke: *See—*
Kawana, Frank S.; Suzuki, Teisuke; and Okada, Minoru, 4,869,920, Cl. 426-643.000.

Suzuki, Teruo; Kishi, Matsuo; Muraishi, Katsuyoshi; Ogawa, Kenichi; and Takashio, Hiroshi, to Seiko Instruments Inc. Rare earth-iron magnet. 4,863,805, 9-5-89, Cl. 428-558.000.

Suzuki, Teruo: *See—*
Kato, Kaneyuki; Teraji, Kazufumi; Nishino, Seiichi; and Suzuki, Teruo, 4,843,226, Cl. 235-492.000.
Tsuchiya, Masanori; and Suzuki, Teruo, 4,805,794, Cl. 220-8.000.
Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.
Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.

Suzuki, Teruyasu: *See—*
Saito, Tsunenari; Ota, Kazuyuki; Suzuki, Teruyasu; Honda, Keiji; and Yamakami, Takahiko, 4,825,535, Cl. 29-613.000.

Suzuki, Tetsumi; Hasegawa, Kazumi; Ando, Osamu; Furukawa, Nobuhiro; and Nishio, Koji, to Sanyo Electric Co., Ltd.; and Mitsubishi Kasei Corporation. Electrically conductive material and a process for the preparation of same and secondary battery using the electrically conductive material. 4,795,687, 1-3-89, Cl. 429-213.000.

Suzuki, Tetsuo, to Kabushiki Kaisha Toshiba. Method and system for controlling robot for constructing products. 4,835,450, 5-30-89, Cl. 318-568.130.

Suzuki, Tetsuo, to Canon Kabushiki Kaisha. Ink storing device. 4,855,762, 8-8-89, Cl. 346-140.00R.

Suzuki, Tetsuo: *See—*
Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
Ozawa, Masakazu; Ozawa, Kunitaka; Hatanaka, Katsunori; Suzuki, Tetsuo; Mori, Tetsuzo; Shiina, Tadashi; and Ebinuna, Ryuichi, 4,884,085, Cl. 346-136.000.
Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,848,602, Cl. 222-564.000.
Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,857,943, Cl. 346-136.000.

Suzuki, Tetsuro; Yoshikawa, Masao; and Kojima, Akio, to Ricoh Company, Ltd. N,N'-diphenylbenzidine polymer and method of producing the same. 4,874,481, 10-17-89, Cl. 204-59.00R.

Suzuki, Tetsuya; Ebisawa, Masuo; Shibata, Kiyoshi; Kaiho, Shigeo; Kawase, Akio; Kobayashi, Shuji; and Kanzawa, Yoshikazu, to Honda Giken Kogyo Kabushiki Kaisha. Method for manufacturing siamese-type cylinder block and apparatus for casting blank for such cylinder block. 4,831,712, 5-23-89, Cl. 29-527.600.

Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, to Teijin Limited. Cationically-dyeable, thermally-resistant copolyester fiber comprising quaternary phosphonium organic sulfonate groups. 4,851,504, 7-25-89, Cl. 528-287.000.

Suzuki, Toichi: *See—*
Asano, Kiro; Matsudaira, Tadahiro; Tamura, Humio; Suzuki, Toichi; and Wada, Hisayuki, 4,885,290, Cl. 514-182.000.

Suzuki, Tomihiro, to Sumitomo Electric Industries, Ltd. Monolithic microwave integrated circuit with probing pads. 4,801,867, 1-31-89, Cl. 324-73.00R.

Suzuki, Tomio: *See—*
Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, 4,795,928, Cl. 310-13.000.
Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, 4,812,934, Cl. 360-106.000.

Suzuki, Tomohiro: *See—*
Naito, Atsushi; Nakatsuka, Kiyoshi; Inui, Takashi; and Suzuki, Tomohiro, 4,808,857, Cl. 307-530.000.
Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.

Suzuki, Tomonari: *See—*
- Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.
- Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.

Suzuki, Tomoo: *See—*
- Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.

Suzuki, Tomoyuki: *See—*
- Yonemoto, Kazuya; Kagawa, Yoshiaki; Ishikawa, Kikue; Suzuki, Tomoyuki; and Hamasaki, Masaharu, 4,875,100, Cl. 358-213.190.

Suzuki, Tooru, to Stanley Electric Co., Ltd. Vehicle headlamp with a vent hole. 4,809,144, 2-28-89, Cl. 362-294.000.

Suzuki, Toru; Sakamoto, Masahide; and Watanabe, Akihito, to Hitachi, Ltd.; and Hitachi Automotive Engineering Co., Ltd. Engine rotation speed detecting apparatus. 4,799,380, 1-24-89, Cl. 73-116.000.

Suzuki, Toru; Kato, Atsuhiko; Hosoi, Mitsuo; and Nakano, Ichiro, to Kabushiki Kaisha Komatsu Seisakusho. Apparatus for guiding movement of an unmanned moving body. 4,862,047, 8-29-89, Cl. 318-587.000.

Suzuki, Toshiaki; and Nishimura, Akira, to Fujitsu Limited. Amplitude equalizer. 4,870,658, 9-26-89, Cl. 375-12.000.

Suzuki, Toshiharu: *See—*
- Kitano, Kisei; Ushioda, Makoto; Uchida, Manabu; and Suzuki, Toshiharu, 4,877,548, Cl. 252-299.630.
- Kitano, Kisei; Uchida, Manabu; Ushioda, Makoto; and Suzuki, Toshiharu, 4,880,562, Cl. 252-299.630.

Suzuki, Toshihide: *See—*
- Kiyoura, Tadamitsu; Ajioka, Masanobu; Fujimoto, Naoshi; Suzuki, Toshihide; Kogure, Yasuo; Nagayama, Tokio; and Kanaya, Kazuo, 4,828,815, Cl. 423-502.000.

Suzuki, Toshihiko: *See—*
- Kato, Yasaburo; Suzuki, Toshihiko; Isawa, Nobuyuki; Kanbe, Hideo; and Hamasaki, Masaharu, 4,836,788, Cl. 437-017.000.
- Ohkubo, Yasunori; Suzuki, Toshihiko; and Izawa, Nobuyuki, 4,849,065, Cl. 156-617.100.

Suzuki, Toshihiro; and Higuchi, Yasushi, to Ihara Chemical Industry Co., Ltd. Process for producing a chlorohalobenzene. 4,822,933, 4-18-89, Cl. 570-208.000.

Suzuki, Toshihiro; and Komatsu, Chizu, to Ihara Chemical Industry Co., Ltd. Process for producing a halobenzene. 4,831,199, 5-16-89, Cl. 570-208.000.

Suzuki, Toshihiro; Todokoro, Yasuyuki; and Komenou, Kazunari, to Fujitsu Limited. Process for the production of optical elements. 4,877,717, 10-31-89, Cl. 430-321.000.

Suzuki, Toshihiro: *See—*
- Suzuki, Masamichi; Sano, Tadaaki; Suzuki, Toshihiro; and Tanaka, Tsunehiko, 4,888,218, Cl. 427-383.900.
- Yoshioka, Takeo; Minagawa, Tadao; Suzuki, Toshihiro; Yamasaki, Ichiro; and Matsushita, Yoshifumi, 4,839,767, Cl. 361-42.000.

Suzuki, Toshiji: *See—*
- Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; and Ishizaki, Akira, 4,835,404, Cl. 250-578.000.
- Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki. Toshiji; Ohmi, Tadahiro; and Harada, Tadanori, 4,847,668, Cl. 357-30.000.
- Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, 4,831,454, Cl. 358-213.310.

Suzuki, Toshikazu: *See—*
- Kageyama, Hitoshi; Suzuki, Toshikazu; Sakamoto, Keijiro; Kyogoku, Tetsuo; and Nino, Masayuki, 4,880,292, Cl. 350-128.000.

Suzuki, Toshiki: *See—*
- Takemoto, Iwao; Izawa, Tetsurou; Sokei, Hiroichi; and Suzuki, Toshiki, 4,866,292, Cl. 250-578.000.

Suzuki, Toshimasa: *See—*
- Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.

Suzuki, Toshio; and Irie, Masahiro, to Toray Silicone Co., Ltd. Diorganopolysiloxane-azobenzene alternating copolymers and methods for their preparation. 4,826,954, 5-2-89, Cl. 528-15.000.

Suzuki, Toshio; and Okawa, Tadashi, to Toray Silicone Co., Ltd. Organopolysiloxane hot-melt adhesive. 4,840,693, 6-20-89, Cl. 156-329.000.

Suzuki, Toshio; and Okumura, Takeo, to Kao Corporation. Hair rinse composition. 4,859,457, 8-22-89, Cl. 424-70.000.

Suzuki, Toshio; and Okawa, Tadashi, to Toray Silicone Company, Ltd. Method for producing a polydiorganosiloxane having a pendent alkenyl radical at its molecular center. 4,874,881, 10-17-89, Cl. 556-453.000.

Suzuki, Toshio; and Magara, Takuji, to Mitsubishi Denki Kabushiki Kaisha. Electric discharge machine. 4,885,449, 12-5-89, Cl. 219-69.110.

Suzuki, Toshio, to Toray Silicone Company Limited. Curable organopolysiloxane composition. 4,889,905, 12-26-89, Cl. 528-30.000.

Suzuki, Toshio: *See—*
- Magara, Takuji; and Suzuki, Toshio, 4,837,415, Cl. 219-69.00W.
- Matsumoto, Hajime; and Suzuki, Toshio, 4,804,192, Cl. 273-336.000.
- Okawa, Tadashi; and Suzuki, Toshio, 4,876,373, Cl. 556-453.000.
- Ona, Isao; Naganawa, Tsutomu; Suzuki, Toshio; and Okawa, Tadashi, 4,889,770, Cl. 428-447.000.
- Shibata, Nobuo; Suzuki, Toshio; Fujii, Takashi; Arai, Junichi; and Kato, Hisami, 4,805,929, Cl. 280-721.000.
- Yahagi, Kazuyuki; and Suzuki, Toshio, 4,798,721, Cl. 424-70.000.

Suzuki, Toshiro. Method of producing and applying mortar. 4,830,669, 5-16-89, Cl. 106-97.000.

Suzuki, Toshiro: *See—*
- Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.
- Kondo, Kazuhiro; Suzuki, Toshiro; and Miyamoto, Takanori, 4,809,271, Cl. 370-110.100.
- Tamakoshi, Masashi; Suzuki, Toshiro; and Takatori, Hiroshi, 4,835,482, Cl. 328-167.000.

Suzuki, Toshiyuki, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust system for vehicle. 4,809,800, 3-7-89, Cl. 180-219.000.

Suzuki, Toshiyuki: *See—*
- Hida, Yoshiaki; Ishihara, Satoshi; Take, Seiji; Gogami, Masao; and Suzuki, Toshiyuki, 4,841,134, Cl. 235-488.000.
- Komori, Takashi; Asahi, Masahiko; and Suzuki, Toshiyuki, 4,839,162, Cl. 424-63.000.
- Takei, Hiroko; Suzuki, Toshiyuki; Otomo, Tsuyoshi; and Tokimitsu, Ichiro, 4,868,163, Cl. 514-76.000.

Suzuki, Tsuguya, to Honda Giken Kogyo Kabushiki Kaisha. Brake disc with a pair of slide plates joined to a support jaw and cylindrical portion by radially extending ribs. 4,809,827, 3-7-89, Cl. 188-218.0XL.

Suzuki, Tsunehiko, to Matsui Walterscheid Ltd. Removable coupling device. 4,813,810, 3-21-89, Cl. 403-322.000.

Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, to Mitsui Toatsu Chemicals, Inc. Isoquinoline derivative. 4,824,952, 4-25-89, Cl. 546-141.000.

Suzuki, Tsuneji; Sannohe, Kunio; Ito, Toshihiko; Maruyama, Masahiko; Kamiya, Joji; Hirayama, Makoto; Kitano, Takafumi; and Awaya, Akira, to Mitsui Toatsu Chemicals, Inc. Pyridyl-cyclohexanone compounds. 4,845,228, 7-4-89, Cl. 546-339.000.

Suzuki, Tsunemasa: *See—*
- Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo; Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.

Suzuki, Tsuneo; Kawakami, Chikahisa; and Ohashi, Hiroshi, to Kabushiki Kaisha Toshiba. Method for assembling a magnetic head supporting mechanism of a flexible disk drive apparatus. 4,809,427, 3-7-89, Cl. 29-603.000.

Suzuki, Tsuneo: *See—*
- Ohta, Noboru; Takahashi, Koji; Suzuki, Tsuneo; and Tsugita, Makoto, 4,796,086, Cl. 358-80.000.
- Ohta, Noboru; Takahashi, Koju; and Suzuki, Tsuneo, 4,872,034, Cl. 355-77.000.
- Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, 4,831,454, Cl. 358-213.310.

Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, to Mitsubishi Jukogyo Kabushiki Kaisha. Drawing machine. 4,879,788, 11-14-89, Cl. 26-94.000.

Suzuki, Tsutomu: *See—*
- Kato, Tetuo; Toda, Seiji; and Suzuki, Tsutomu, 4,834,222, Cl. 188-280.000.

Suzuki, Yasoji: *See—*
- Egawa, Hideharu; and Suzuki, Yasoji, 4,883,986, Cl. 307-298.000.
- Maruyama, Tadashi; Wada, Yukio; Shigematsu, Tomohisa; Suzuki, Yasoji; and Yoshizawa, Makoto, 4,870,615, Cl. 365-185.000.

Suzuki, Yasuaki: *See—*
- Suzuki, Yasuo; Suzuki, Yasuaki; and Hirao, Hiroshi, 4,809,224, Cl. 365-94.000.
- Suzuki, Yasuo; Suzuki, Yasuaki; and Ikuta, Nobuo, 4,809,227, Cl. 365-168.000.
- Takeuchi, Ryozo; Suzuki, Yasuaki; Nagata, Tetsuya; and Hirose, Eturo, 4,888,648, Cl. 358-335.000.

Suzuki, Yasuhiko, to NGB Spark Plug Co., Ltd. Heater for starting engine. 4,844,029, 7-4-89, Cl. 123-142.50E.

Suzuki, Yasuhiro; Remington, Jack S.; Desmonts, Georges; and Thulliez, Philippe, to Research Institute of Palo Alto Medical Foundation. Method for the detection of acute-phase toxoplasma infection. 4,877,726, 10-31-89, Cl. 435-7.000.

Suzuki, Yasuhiro: *See—*
- Tanoshima, Katsuhide; Suzuki, Yasuhiro; Nagata, Shizuo; and Shimizu, Yasuo, 4,813,007, Cl. 346-74.500.

Suzuki, Yasuhito, to Cannon Kabushiki Kaisha; and Canon Kabushiki Kaisha. Recording apparatus. 4,855,790, 8-8-89, Cl. 355-24.000.

Suzuki, Yasuhito; Akimoto, Koichiro; Ohshima, Hajime; Honda, Kazuyuki; and Isaka, Yukio, to Canon Kabushiki Kaisha. Image recording apparatus. 4,876,562, 10-24-89, Cl. 346-160.000.

Suzuki, Yasumichi; Ikeda, Yoshinori; Katoh, Koichi; Ohnishi, Tetsuya; Kadowaki, Toshihiro; and Honma, Toshio, to Canon Kabushiki Kaisha. Color image processing apparatus for selectively altering image colors. 4,873,570, 10-10-89, Cl. 358-80.000.

Suzuki, Yasumichi: *See—*
- Honjo, Takeshi; Kitahara, Makoto; Suzuki, Yasumichi; and Takahata, Naomi, 4,866,536, Cl. 358-494.000.
- Honma, Toshio; Ikeda, Yoshinori; and Suzuki, Yasumichi, 4,847,654, Cl. 358-300.000.

Suzuki, Yasunaga; Matsubara, Toshiaki; and Uragami, Akira, to Hitachi, Ltd. Semiconductor integrated circuit device. 4,827,368, 5-2-89, Cl. 361-88.000.

Suzuki, Yasunobu; Kato, Motohiko; Bando, Akio; Ishida, Hisao; and Nishimura, Akihiro, to Kabushiki Kaisha Shinkawa. Apparatus for connecting external leads. 4,887,758, 12-19-89, Cl. 228-5.100.

Suzuki, Yasunori: *See—*
- Sugihara, Yoshichika; and Suzuki, Yasunori, 4,862,612, Cl. 40-155.000.

Suzuki, Yasuo; Suzuki, Yasuaki; and Hirao, Hiroshi, to Fujitsu Limited. Read only memory device with memory cells each storing one of three states. 4,809,224, 2-28-89, Cl. 365-94.000.

Suzuki, Yasuo; Suzuki, Yasuaki; and Ikuta, Nobuo, to Fujitsu Limited. Read only memory device having memory cells each storing one of three states. 4,809,227, 2-28-89, Cl. 365-168.000.

Suzuki, Yasuo; and Minakuchi, Kiyoshi, to Yamaha Corporation. String fixing device for string instruments. 4,829,873, 5-16-89, Cl. 84-314.00N.

Suzuki, Yasuo, to Omron Tateisi Electronics Co. ECR having means for establishing a data format and processing entered data in accordance with an established data format. 4,847,762, 7-11-89, Cl. 364-405.000.

Suzuki, Yasuo; and Sasaki, Yukihiko, to Kabushiki Kaisha Toshiba. DTMF signal discriminating circuit. 4,860,340, 8-22-89, Cl. 379-74.000.

Suzuki, Yasuo: *See—*
- Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo, and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.
- Koizumi, Minoru; Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Kasashima, Hirokazu; and Nakai, Kozo, 4,888,683, Cl. 364-200.000.
- Mori, Kinji; Suzuki, Yasuo; Kawano, Katsumi; Orimo, Masayuki; Koizumi, Minoru; Kasajima, Hirokazu; and Nakai, Kozou, 4,803,683, Cl. 371-19.000.
- Ogawa, Hiroyasu; Kogo, Yasuo; Takahashi, Shuji; and Suzuki, Yasuo, 4,883,712, Cl. 428-367.000.
- Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,840,945, Cl. 514-206.000.
- Ohnishi, Haruo; Kosuzume, Hiroshi; Mizota, Masahiro; Suzuki, Yasuo; and Mochida, Ei, 4,888,332, Cl. 514-206.000.
- Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
- Orimo, Masayuki; Mori, Kinji; Suzuki, Yasuo; Koizumi, Minoru; Kawano, Katsumi; Kasajima, Hirokazu; and Nakai, Kozo, 4,797,885, Cl. 371-19.000.
- Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,811,009, Cl. 340-825.050.
- Orimo, Masayuki; Mori, Kinji; and Suzuki, Yasuo, 4,829,516. Cl. 370-88.000.
- Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, 4,827,970, Cl. 137-486.000.
- Wachi, Isao; Mori, Kinji; Suzuki, Yasuo; Orimo, Masayuki; Kawano, Katsumi; Koizumi, Minoru; Nakai, Kozo; and Kasashima, Hirokazu, 4,837,762, Cl. 370-89.000.

Suzuki, Yasurou: *See—*
- Saito, Teruo; Asai, Kuniaki; and Suzuki, Yasurou, 4,804,697, Cl. 524-80.000.

Suzuki, Yasushi, to Citizen Watch Co., Ltd. Liquid crystal display device. 4,852,976, 8-1-89, Cl. 350-339.00R.

Suzuki. Yasutomo: *See—*
- Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
- Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, 4,878,131, Cl. 360-37.100.
- Yamagata, Shigeo; Ogura, Tokihiko; Takei, Masahiro; and Suzuki, Yasutomo, 4,849,832, Cl. 360-66.000.

Suzuki, Yasutoshi, to Yoshida Kogyo K. K. Apparatus for cutting down finished slide fasteners. 4,866,825, 9-19-89, Cl. 29-33.200.

Suzuki, Yasuyosi, to Mitsubishi Petrochemical Co., Ltd. Process for producing foamed thermoplastic resin articles. 4,889,669, 12-26-89, Cl. 264-45.900.

Suzuki, Yasuyuki; Matsugi, Tetsuzo; Nakamura, Toshiyuki; and Sugihara, Masahiro, to Mitsubishi Denki Kabushiki Kaisha. Variable-capacity scroll-type compressor. 4,846,633, 7-11-89, Cl. 417-310.000.

Suzuki, Yasuyuki: *See—*
- Hashimoto, Kiyoyasu; Omura, Takashi; Suzuki, Yasuyuki; and Hayashi, Yoshiaki, 4,833,123, Cl. 503-227.000.
- Nakamura, Toshiyuki; Inaba, Tsutomu; Suzuki, Yasuyuki; and Kobayashi, Norihide, 4,824,343, Cl. 418-55.000.

Suzuki, Yoshiaki: *See—*
- Inagaki, Yoshio; Hioki, Takanori; Makino, Naonori; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,851,322, Cl. 430-270.000.
- Inagaki, Yoshio; Adachi, Keiichi; and Suzuki, Yoshiaki, 4,885,228, Cl. 430-270.000.
- Mifune, Hiroyuki; Shishido, Tadao; and Suzuki, Yoshiaki, 4,801,524, Cl. 430-569.000.

Suzuki, Yoshiharu; and Aketa, Tomoyuki, to Polyplastics Co., Ltd. Surface treating method for polyacetal resin molded articles. 4,836,889, 6-6-89, Cl. 156-667.000.

Suzuki, Yoshiharu: *See—*
- Hotta, Hiroshi; and Suzuki, Yoshiharu, 4,844,851, Cl. 264-129.000.
- Okamoto, Kiyokazu; Endo, Tetsuo; Miyamoto, Yukio; and Suzuki, Yoshiharu, 4,871,934, Cl. 310-166.000.

Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Asahiro; Saitoh, Yuichi; and Yamaguchi, Youichi, to Yokohama Rubber Co., Ltd., The. Rubber compositions for automobile tire treads. 4,826,911, 5-2-89, Cl. 524-526.000.

Suzuki, Yoshiji: *See—*
- Hara, Tsutomu; Suzuki, Yoshiji; and Mukouzaka, Naohisa, 4,818,983, Cl. 340-794.000.

Suzuki, Yoshikazu: *See—*
- Koshinaka, Osamu; and Suzuki, Yoshikazu, 4,799,439, Cl. 112-162.000.
- Koshinaka, Osamu; Suzuki, Yoshikazu; and Yoneda, Yoshihide, 4,799,440, Cl. 112-162.000.
- Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.

Suzuki, Yoshiki; and Ikura, Hiroshi, to Teijin Limited. Powdery pharmaceutical composition suitable for application to mucosa of oral or nasal cavity. 4,835,142, 5-30-89, Cl. 514-53.000.

Suzuki, Yoshiki: *See—*
- Kawaguchi, Takeo; Fujinaga, Shigeki; and Suzuki, Yoshiki, 4,868,162, Cl. 514-50.000.
- Makino, Yuji; Matugi, Hideo; and Suzuki, Yoshiki, 4,814,176, Cl. 424-457.000.
- Makino, Yuji; Suzuki, Yoshiki; and Aoyagi, Takashi, 4,871,723, Cl. 514-167.000.

Suzuki, Yoshikuni: *See—*
- Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, 4,877,797, Cl. 514-314.000.
- Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, 4,886,803, Cl. 514-252.000.
- Takahashi, Toshihiro; Nakamaru, Koichi; Suzuki, Yoshikuni; and Horaguchi, Tatsuo, 4,829,069, Cl. 514-259.000.
- Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,833,144, Cl. 514-259.000.
- Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, 4,861,780, Cl. 514-259.000.

Suzuki, Yoshimasa: *See—*
- Miyagawa, Yukio; Kitayama, Zenzo; Ishiguro, Ikuo; and Suzuki, Yoshimasa, 4,863,526, Cl. 148-3.000.

Suzuki, Yoshimi: *See—*
- Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.
- Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,853,793, Cl. 358-464.000.
- Ishikawa, Osamu; Sone, Mikihiko; and Suzuki, Yoshimi, 4,884,148, Cl. 358-464.000.

Suzuki, Yoshimitu; and Inagaki, Masahiro, to Takekawa Iron Works. Circular saw blade. 4,848,205, 7-18-89, Cl. 83-853.000.

Suzuki, Yoshinobu; and Manabe, Mitsufusa, to Shimizu Construction Co., Ltd. Clean room. 4,838,150, 6-13-89, Cl. 98-31.500.

Suzuki, Yoshinobu: *See—*
- Tsuda, Yusuke; Kurata, Takashi; Suzuki, Yoshinobu; and Yamamoto, Yuji, 4,877,835, Cl. 525-67.000.

Suzuki, Yoshio; and Yukihiko, Suzaki, to Honda Giken Kogyo Kabushiki Kaisha. Electronic control system for internal combustion engines. 4,797,828, 1-10-89, Cl. 364-431.040.

Suzuki, Yoshio; Nakamura, Mikihiko; and Aoshima, Atsushi, to Asahi Kasei Kogyo Kabushiki Kaisha. Transparent polyamide elastomer from carboxy polycaprolactam and poly(tetramethylene oxy)glycol. 4,820,796, 4-11-89, Cl. 528-292.000.

Suzuki, Yoshio: *See—*
- Kasahara, Izumi; Kawauchi, Yasunobu; and Suzuki, Yoshio, 4,868,395, Cl. 250-398.000.
- Sumikawa, Seiji; Takayama, Hidehiko; Suzuki, Yoshio; and Ono, Mitsuya, 4,830,590, Cl. 418-96.000.
- Yakuwa, Masahiko; and Suzuki, Yoshio, 4,862,369, Cl. 364-431.070.

Suzuki, Yoshiro: *See—*
- Miyamoto, Takanori; Nakabayashi, Sumie; Suzuki, Yoshiro; Kondo, Kazuhiro; and Niina, Shinichi, 4,864,608, Cl. 379-409.000.

Suzuki, Yoshirou: *See—*
- Suzuyama, Hiroshi; Suzuki, Yoshirou; and Sakaguchi, Minoru, 4,862,319, Cl. 361-341.000.

Suzuki, Yoshito, to Hitachi, Ltd. Data transfer control equipment. 4,797,851, 1-10-89, Cl. 364-900.000.

Suzuki, Yoshiyuki; Funada, Masahiro; Sato, Mamoru; and Sato, Yukio, to Canon Kabushiki Kaisha. Image data coding apparatus. 4,797,945, 1-10-89, Cl. 382-56.000.

Suzuki, Yoshiyuki, to Canon Kabushiki Kaisha. Image processing apparatus. 4,868,684, 9-19-89, Cl. 358-455.000.

Suzuki, Yoshiyuki; and Ishii, Hiroaki, to Canon Kabushiki Kaisha. Image processing apparatus. 4,870,499, 9-26-89, Cl. 358-443.000.

Suzuki, Yoshiyuki, to Canon Kabushiki Kaisha. Beam recorder having a varying beam intensity for maintaining a true reproduced image. 4,878,068, 10-31-89, Cl. 346-108.000.

Suzuki, Yoshiyuki: *See—*
- Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,805,928, Cl. 280-642.000.
- Nakao, Shinroku; Suzuki, Yoshiyuki; and Kato, Hitoshi, 4,832,361, Cl. 280-642.000.

Suzuki, Youichi: *See—*
- Ohshima, Shigeo; Suzuki, Youichi; and Segawa, Makoto, 4,864,164, Cl. 307-443.000.

Suzuki, Yuichi, to Furukawa Electric Co., Ltd., The. Apparatus for rocking a crank. 4,829,843, 5-16-89, Cl. 74-470.000.

Suzuki, Yukio, to Toko Kabushiki Kaisha. RF tuning circuit. 4,831,661, 5-16-89, Cl. 455-302.000.

Suzuki, Yukio; and Kumada, Masaharu, to Hitachi, Ltd. Impregnated cathode having cathode base body and refractory metal support welded together. 4,833,361, 5-23-89, Cl. 313-346.00R.

Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, to Toyo Jozo Kabushiki Kaisha. 6-substituted alkoxy-2-oxo-1,2-dihydroquinoxaline derivatives. 4,870,175, 9-26-89, Cl. 544-354.000.

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Suzuki, Yukio: *See—*

Kato, Minoru; Okamoto, Sohei; and Suzuki, Yukio, 4,810,377, Cl. 210-150.000.

Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, 4,858,189, Cl. 365-203.000.

Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashina, Masato; and Kobayashi, Hironori, 4,846,936, Cl. 204-1.00T.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,837,319, Cl. 544-120.000.

Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,870,176, Cl. 544-408.000.

Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,875, Cl. 544-116.000.

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Suzuki, Yusuke: *See—*

Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.

Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, 4,828,840, Cl. 424-474.000.

Suzuki, Yutaka: *See—*

Kumura, Haruyoshi; and Suzuki, Yutaka, 4,862,771, Cl. 74-866.000.

Suzuki, Yuzuru: *See—*

Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.

Suzumori, Takeo; Masumoto, Isamu; Nakagawa, Mitsuo; and Iha, Yukihiro, to Mitsubishi Gas Chemical Company, Inc. Method of stabilizing polyoxymethylene copolymer. 4,814,424, 3-21-89, Cl. 528-249.000.

Suzumura, Hiroyuki; Okamoto, Yuji; and Suezaki, Isao, to Toyota Jidosha Kabushiki Kaisha. Sealed weld nut. 4,875,817, 10-24-89, Cl. 411-171.000.

Suzumura, Koji; Fujiwara, Hunihiko; Matsuo, Naoya; and Miyamoto, Kouichi, to Mazda Motor Corporation. Intake system for an engine. 4,805,569, 2-21-89, Cl. 123-308.000.

Suzumura, Masanaga: *See—*

Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.

Suzumura, Nobuyasu: *See—*

Kawata, Shouji; Miyake, Osamu; and Suzumura, Nobuyasu, 4,845,621, Cl. 364-426.040.

Suzuoki, Kazuhiro: *See—*

Ohtani, Shigeki; and Suzuoki, Kazuhiro, 4,818,613, Cl. 428-396.000.

Suzuoki, Tsutomu: *See—*

Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175

Suzutora Seisen Company, Ltd.: *See—*

Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.

Suzuyama, Hiroshi; Suzuki, Yoshirou; and Sakaguchi, Minoru, to Hitachi, Ltd. Gas-insulated switchgear. 4,862,319, 8-29-89, Cl. 361-341.000.

Suzuyama, Hiroshi; Sakaguchi, Minoru; and Mikami, Osamu, to Hitachi, Ltd. Apparatus for disconnecting a switch of a high voltage electric circuit. 4,888,458, 12-19-89, Cl. 200-400.000.

Suzuyama, Tomio; Kosaka, Takayuki; Hayama, Masaki; and Shirai, Tamotsu, to Tachi-S Co., Ltd. Lumbar support device. 4,886,316, 12-12-89, Cl. 297-284.000.

Svagr, Alexandr: *See—*

Engel, Georg; Hartmann, Hans-Heinrich; Koethe, Peter; Svagr, Alexandr; and Onderka, Bernd, 4,864,838, Cl. 72-225.000.

Reismann, Hans-Jurgen; and Svagr, Alexandr, 4,866,969, Cl. 72-238.000.

Svanstrom, Rune, to Aktiebolaget Bofors. Magazines. 4,798,123, 1-17-89, Cl. 89-34.000.

Svantesson, Ake. Material gripping arrangement for stencil printing machine. 4,848,226, 7-18-89, Cl. 101-126.000.

Svara, Jurgen; and Weferling, Norbert, to Hoechst Aktiengesellschaft. Process for the preparation of tertiary phosphine oxides. 4,885,394, 12-5-89, Cl. 568-14.000.

Svarre, Erik: *See—*

Jensen, Niels D.; and Svarre, Erik, 4,877,372, Cl. 415-199.100.

Svec, Frantisek; Bleha, Miroslav; Tennikova, Tatiana B.; and Belenkii, Boris G., to Ceskoslovenska Akademie ved. Macroporous polymeric membranes for the separation of polymers and a method of their application. 4,889,632, 12-26-89, Cl. 210-500.280.

Svechovsky, Bridget: *See—*

Robb, Francine Y.; Robinson, F. J.; Svechovsky, Bridget; and Wood, Thomas E., 4,847,214, Cl. 437-67.000.

Svecia Antiqua SA: *See—*

Rausing, Hans; and Nilsson, Ingvar, 4,814,043, Cl. 162-286.000.

Svecia Antiqua S.A.: *See—*

Rausing, Hans, 4,828,636, Cl. 156-204.000.

Svecia Silkscreen Maskiner AB: *See—*

Ericsson, Sylve J. D., 4,802,410, Cl. 101-124.000.

Ericsson, Sylve J. D., 4,813,352, Cl. 101-126.000.

Svedaker, Olle, to Osa AB. Device for maintaining a tool attachment in a knuckle boom crane on a constant level above the ground. 4,828,125, 5-9-89, Cl. 212-256.000.

Svedberg, Robert C.; and Ammon, Robert L., to Westinghouse Electric Corp. Oxidation resistant niobium alloy. 4,836,849, 6-6-89, Cl. 75-245.000.

Sveen, Frode: *See—*

Beard, Joseph O.; Granger, Stanley W.; and Sveen, Frode, 4,858,882, Cl. 251-1.200.

Svegander, Lennart; and Tornblom, Bengt, to Asea AB & Tornbloms Kvalitetskontroll AB. Method and apparatus for detecting the position of an edge of a test piece. 4,816,760, 3-28-89, Cl. 324-207.000.

Svendsen, John: *See—*

Bekius, Wayne; and Svendsen, John, 4,884,742, Cl. 239-71.000.

Svendsen, John A., to Minnesota Mining and Manufacturing Company. Film exposure and processor system. 4,823,372, 4-18-89, Cl. 378-185.000.

Svendsen, Lars G.: *See—*

Stocker, Kurt F.; and Svendsen, Lars G., 4,849,403, Cl. 514-2.000.

Svengren, Anders G.; and Wadell, Lars G. A., to Nestec S.A. Preparation of a rolled pastry product. 4,828,862, 5-9-89, Cl. 426-501.000.

Svenka, Konrad: *See—*

Kegler, Ernst; Svenka, Konrad; and Thierauf, Klaus, 4,803,569, Cl. 360-60.000.

Svenka, Peter; and Rauf, Richard, to Kleinewefers GmbH. Apparatus for cleaning calender rolls and the like. 4,852,209, 8-1-89, Cl. 15-308.000.

Svennerholm, Bo: *See—*

Vahlne, Anders; Svennerholm, Bo; Rymo, Lars; Jeansson, Stig; and Horal, Peter, 4,812,556, Cl. 530-324.000.

Svennerholm, Lars T.: *See—*

Holmgren, Jan R.; Lindholm, Leif Gustav; and Svennerholm, Lars T., 4,888,275, Cl. 435-7.000.

Svenning, Bjornar; Svensson, Rune; and Truedesson, Lars, to Den norske stats oljeselskap a.s. Device for subsea operations. 4,805,549, 2-21-89, Cl. 114-325.000.

Svenning, Bjornar, to Den norske stats oljeselskap a.s. Apparatus for carrying out operations under water. 4,860,681, 8-29-89, Cl. 114-321.000.

Svensen, Bjorn: *See—*

Nichols, Nancie L.; and Svensen, Bjorn, 4,803,604, Cl. 362-154.000.

Svenska Rehabiliteringsprodukter AB: *See—*

Morin, Hans, 4,867,143, Cl. 128-75.000.

Svenska Robot/Swedish Robot HB: *See—*

Fernstrom, Mikael, 4,809,358, Cl. 455-600.000.

Svenska Rotor Maskiner AB: *See—*

Olofsson, Hans, 4,863,357, Cl. 417-356.000.

Oscarsson, Johnny, 4,799,865, Cl. 417-283.000.

Oscarsson, Johnny, 4,802,457, Cl. 123-564.000.

Svenska Traforskningsinstitutet: *See—*

Einarson, Jens C.; and Lundqvist, Sven-Olof, 4,806,014, Cl. 356-335.000.

Karlsson, Hakan I.; Lundqvist, Inge J.; Hardin, Bengt Y.; and Ostman, Thomas L., 4,874,467, Cl. 162-198.000.

Wagberg, Lars E. R.; and Lindstrom, Tom S. C., 4,824,523, Cl. 162-164.100.

Svensson, Anders, to NI Chemicals, Inc. Method of detackifying paint overspray. 4,861,491, 8-29-89, Cl. 210-691.000.

Svensson, Dick L.; and Soderman, Claes-Erik, to Atlas Copco Aktiebolag. Device for positioning a number of working implements relative to a car body. 4,870,921, 10-3-89, Cl. 118-676.000.

Svensson, E. Gunnar, to Autopart Sweden AB. Sun visor with illuminated mirror. 4,803,602, 2-7-89, Cl. 362-135.000.

Svensson, E. Gunnar, to Autopart Sweden AB. Vehicle visor and a method for its manufacture. 4,822,095, 4-18-89, Cl. 296-97.100.

Svensson, E. Gunnar, to Autopart Sweden AB. Sun visor with mirror lighting and pivoted cover. 4,830,424, 5-16-89, Cl. 296-97.100.

Svensson, E. Gunnar, to Autopart Sweden AB. Vehicle visor installation. 4,836,599, 6-6-89, Cl. 296-97.500.

Svensson, E. Gunnar, to Autopart Sweden AB. Sun visor assembly for motor vehicles, with an illuminated rear-view mirror. 4,878,158, 10-31-89, Cl. 362-140.000.

Svensson, Ingemar S. L.: *See—*

Strandell, Ingemar H.; and Svensson, Ingemar S. L., 4,818,153, Cl. 407-113.000.

Svensson, Kjell: *See—*

Holm, Sune, deceased; Malmberg, Rolf; and Svensson, Kjell, 4,876,100, Cl. 426-491.000.

Svensson, Nils A., to Nobel Chemicals AB. Method of preparing substituted cyclic carboxylic acids. 4,866,204, 9-12-89, Cl. 562-416.000.

Svensson, Rune: *See—*

Svenning, Bjornar; Svensson, Rune; and Truedesson, Lars, 4,805,549, Cl. 114-325.000.

Svensson, Sigfrid: *See—*

Mardh, Per A.; and Svensson, Sigfrid, 4,851,338, Cl. 435-34.000.

Svensson, Sten-Eric. Brake adjuster. 4,825,979, 5-2-89, Cl. 188-79.550.

Svensson, Tomas L.: *See—*

Sawicki, Wolfgang H.; Svensson, Tomas L.; Weck, Bernd K.; and Meier-Dornberg, Karl E., 4,884,461, Cl. 73-862.060.

Sverdlin, Anatoly, to Automated Marine Propulsions Systems, Inc. Modular universal combusion engine. 4,869,212, 9-26-89, Cl. 123-56.0BC.

Sveriges Starkelseproducenter: *See—*

Ralvert, Klas, 4,867,998, Cl. 426-464.000.

Svetkoff, Donald J.; Doss, Brian; and Smith, David N., to Synthetic Vision Systems, Inc. Method and system for high-speed, 3-D imaging of an object at a vision station. 4,796,997, 1-10-89, Cl. 356-376.000.

Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., to Belorussky Tekhnologichesky Institut Imeni S.M. Kirova. Wear-resistant steel. 4,855,105, 8-8-89, Cl. 420-75.000.

Svilans, Olgerts J.: *See—*

Englehardt, William H.; Keane, Martin A.; Svilans, Olgerts J.; and Krch, Russell W., 4,831,242, Cl. 235-382.000.

Svilar, Mark: *See—*

Klar, Erhard; Svilar, Mark; and Berry, David F., 4,861,373, Cl. 75-244.000.

Svoboda, Alan C.; Locke, John W.; and Campbell, David C., to Motorola, Inc. Expandable bi-phase convolving element. 4,811,271, 3-7-89, Cl. 364-728.010.

Svoboda, Antonin; Hoder, Borivoj; and Jurny, Josef, to ZVS Adamovske strojirny. Damping device with biased transfer roller adjustment. 4,848,228, 7-18-89, Cl. 101-147.000.

Svoboda, Cenek, to Sulzer Brothers Limited. Steam plant and method of controlling same. 4,825,654, 5-2-89, Cl. 60-665.000.

Svoboda, Josef; and Pavlovec, Radko, to TMC Corporation. Non-sole dependent ski binding. 4,804,202, 2-14-89, Cl. 280-618.000.

Svoma, Rodney A. Sports racket. 4,802,678, 2-7-89, Cl. 273-73.00D.

Svrluga, Richard C.: *See—*

Lichtin, Norman N.; DiMauro, Thomas M.; and Svrluga, Richard C., 4,861,484, Cl. 210-638.000.

Svyatsky, Eduard, to Bell & Howell Company. Feeder module for use in a document forwarding system. 4,884,797, 12-5-89, Cl. 271-126.000.

SW Industries, Inc.: *See—*

Gallant, James O.; and Pitts, Thomas E., 4,805,274, Cl. 26-104.000.

Swab, John M.: *See—*

Wang, Samuel C.; Swab, John M.; and Winn, Michael L., 4,862,276, Cl. 358-213.310.

Swackhammer, William: *See—*

Dimond, James; and Swackhammer, William, 4,812,212, Cl. 204-147.000.

Swagel, David A.: *See—*

Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,799,119, Cl. 360-123.000.

Rossi, Renato V.; Starcke, Steven F.; and Swagel, David A., 4,847,984, Cl. 29-603.000.

Swagelok Quick-Connect Co.: *See—*

Medvick, Richard J., 4,828,296, Cl. 285-158.000.

Swahl, Debra A.: *See—*

Swahl, James C.; and Swahl, Debra A., 4,838,457, Cl. 222-48.000.

Swahl, James C.; and Swahl, Debra A. Lotion blending and dispensing unit. 4,838,457, 6-13-89, Cl. 222-48.000.

Swahlan, David J., to United States of America, Energy. Anti-terrorist vehicle crash impact energy absorbing barrier. 4,822,207, 4-18-89, Cl. 404-6.000.

Swaim, C. Hall. Food press with separating bowl sections for cleaning. 4,794,854, 1-3-89, Cl. 100-112.000.

Swaim, J. E.: *See—*

Horton, Gilbert L.; Borst, William A.; Respess, Herman M.; Langlois, Michael P.; Poole, Eddie D.; and Swaim, J. E., 4,809,482, Cl. 53-131.000.

Swain, Christopher P.: *See—*

Mills, Timothy N.; and Swain, Christopher P., 4,841,888, Cl. 112-169.000.

Swain, Danny C., to Advanced Control Engineering, Inc. Object transport apparatus. 4,813,845, 3-21-89, Cl. 414-744.500.

Swain, David O. Hydraulic pump gate apparatus. 4,854,838, 8-8-89, Cl. 417-517.000.

Swain, Horace E., to Swains Enterprises Pty. Ltd. Indexed sorting system. 4,850,126, 7-25-89, Cl. 40-391.000.

Swain, Howard L.: *See—*

Carp, Stuart L.; Swain, Howard L.; and Nguyen, Bich N., 4,878,027, Cl. 328-15.000.

Swain, Michael V.: *See—*

Hughan, Robert R.; Hannink, Richard H. J.; Swain, Michael V.; Stringer, Robert K.; Murray, Michael J.; and Garvie, Ronald C., 4,885,266, Cl. 501-104.000.

Swains Enterprises Pty. Ltd.: *See—*

Swain, Horace E., 4,850,126, Cl. 40-391.000.

Swallert, Sven A., to Cameco Medical Limited. Holding and handling device of a syringe. 4,850,979, 7-25-89, Cl. 604-228.000.

Swallow, David H. Boiler hydraulic column choke and reamer with burner control protection against a low water condition. 4,850,309, 7-25-89, Cl. 122-379.000.

Swallow, Mark E.: *See—*

Familetti, Harry G.; Lickel, Charles W.; Mauri, Ross A.; Swallow, Mark E.; and Coltin, Janis L., 4,833,594, Cl. 364-200.000.

Swamikannu, A. Xavier, to UOP. Ultra-filtration membranes and a method for the separation of sugars using the same. 4,880,545, 11-14-89, Cl. 210-654.000.

Swaminathan, Suresh: *See—*

Isayev, Avraam; and Swaminathan, Suresh, 4,835,047, Cl. 428-294.000.

Swan, Charles F.: *See—*

Champlin, George B.; and Swan, Charles F., 4,802,398, Cl. 87-8.000.

Swan Corporation, The: *See—*

Moore, John W., 4,825,480, Cl. 4-595.000.

Swan, Daniel L.: *See—*

Uken, David; Truesdale, R. Grant, Jr.; and Swan, Daniel L., 4,883,431, Cl. 439-521.000.

Swan, Ellen L.; and Basu, Rajat S., to Allied-Signal Inc. Azeotrope-like compositions of 1,1-dichloro-1-fluoroethane, dichlorotrifluoroethane and ethanol. 4,863,630, 9-5-89, Cl. 252-171.000

Swan, Ellen L.; Basu, Rajat S.; Lund, Earl A. E.; and Wilson, David P., to Allied-Signal Inc. Azeotrope-like compositions of 1,1,2-trichloro-1,2,2-trifluoroethane, methanol, nitromethane and dimethoxymethane. 4,873,015, 10-10-89, Cl. 252-171.000.

Swan, George A., III, to Exxon Research and Engineering Company. Catalyst reforming process. 4,832,821, 5-23-89, Cl. 208-65.000.

Swan Industries, Inc.: *See—*

Thoma, Robert H.; and Swan, J. David, 4,868,932, Cl. 4-323.000.

Swan, J. David: *See—*

Thoma, Robert H.; and Swan, J. David, 4,868,932, Cl. 4-323.000.

Swan, Jack C., Jr.: *See—*

Heath, Gary B.; Palsulich, William G.; Manica, Keith J.; and Swan, Jack C., Jr., 4,798,090, Cl. 73-715.000.

Swan, Larry G., to Swan, Patricia A. Selective data blocking overlay. 4,832,373, 5-23-89, Cl. 283-115.000.

Swan, Patricia A.: *See—*

Swan, Larry G., 4,832,373, Cl. 283-115.000.

Swan, Richard; Catalano, Mike; and Feldman, Richard, to Megatest Corporation. Automatic test system with enhanced performance of timing generators. 4,806,852, 2-21-89, Cl. 324-73.00R.

Swan, Richard E. Attachment device. 4,845,871, 7-11-89, Cl. 42-101.000.

Swan, Richard L. Reinforced cold weather sports glove. 4,881,276, 11-21-89, Cl. 2-161.00A.

Swanberg, Melvin E., to Xerox Corporation. Multi-phase printed circuit board tachometer. 4,803,425, 2-7-89, Cl. 324-173.000.

Swanberg, Melvin E., to Xerox Corporation. Full pixel pulse stretching for phase reversal scophony transmission. 4,814,636, 3-21-89, Cl. 307-865.000.

Swanberg, Melvin E.: *See—*

Brueggemann, Harry P.; and Swanberg, Melvin E., 4,805,974, Cl. 350-6.700.

Swanboard Masonite AB: *See—*

Alsterhall, Lars, 4,872,952, Cl. 162-152.000.

Swaney, John W. Package for footwear. 4,819,795, 4-11-89, Cl. 206-278.000.

Swaney, Richard U.: *See—*

Cignetti, Nicolas P.; Mortimer, John H.; and Swaney, Richard U., 4,836,273, Cl. 164-471.000.

Swanic, Anthony, to Arbus, Inc. Connector assembly. 4,808,127, 2-28-89, Cl. 439-139.000.

Swank, David T.; Eater, Edrick H.; and Daniel, Len A., to Fluorocarbon Company, The. Quick-disconnect rigid coupling. 4,806,042, 2-21-89, Cl. 403-341.000.

Swank, David T., to Fluorocarabon Company, The. Park position shift selector mechanism and method. 4,846,322, 7-11-89, Cl. 192-4.00A.

Swank, Ronald W.: *See—*

Posey, John L.; Swank, Ronald W.; and Grude, Frederic L., 4,803,827, Cl. 53-167.000.

Posey, John L.; and Swank, Ronald W., 4,888,155, Cl. 422-49.000.

Swank, Roy L.; and Goodwin, James W. Method of diagnosing multiple sclerosis and other diseases by measurement of blood plasma protein streaming potential. 4,810,657, 3-7-89, Cl. 436-150.000.

Swann, Jack T., Jr. Space structures formable in space. 4,825,599, 5-2-89, Cl. 52-2.000.

Swann, Peter R.; and Jones, Joseph S., to Gatan Inc. Multiple specimen cryotransfer holder for electron microscopes. 4,797,261, 1-10-89, Cl. 422-102.000.

Swann, Peter R.; and Jones, Joseph S., to Gatan Inc. Anticontaminator for transmission electron microscopes. 4,833,330, 5-23-89, Cl. 250-443.100.

Swano, Yoshiaki: *See—*

Nebu, Hideaki; Suzuki, Takahisa; and Swano, Yoshiaki, 4,830,423, Cl. 296-78.100.

Swanson, Arthur P. Hose coupling. 4,856,821, 8-15-89, Cl. 285-24.000.

Swanson, Carl S. Recreation vehicle distance measuring device. 4,807,265, 2-21-89, Cl. 377-24.100.

Swanson, Carl S. Recreation vehicle distance measuring device. 4,887,281, 12-12-89, Cl. 377-24.100.

Swanson, Charles P.: *See—*

Currie, James R.; Kissel, Ralph R.; Oliver, Charles E.; Smith, Earnest C.; Redmon, John W.; Wallace, Charles C.; and Swanson, Charles P., 4,821,425, Cl. 33-520.000.

Swanson, Claude V. Apparatus and method for using microwave radiation to measure water content of a fluid. 4,812,739, 3-14-89, Cl. 324-58.50A.

Swanson, Claude V. Apparatus and method for using microwave radiation to measure water content of a fluid. 4,820,970, 4-11-89, Cl. 324-58.50A.

- Swanson, Claude V.: *See—*
  - Helms, Ronald L.; and Swanson, Claude V., 4,825,165, Cl. 324-323.000.
- Swanson, Craig K. Swath inverter. 4,809,490, 3-7-89, Cl. 56-370.000.
- Swanson, Dale W. Container and blank therefor. 4,846,394, 7-11-89, Cl. 229-4.500.
- Swanson, Daniel G., Jr., to Avantek, Inc. Thin-film microwave filter. 4,881,050, 11-14-89, Cl. 333-185.000.
- Swanson, David: *See—*
  - Adriaenssens, Luc W.; Bustos, Orlando A.; and Swanson, David, 4,871,997, Cl. 340-539.000.
- Swanson, David L.; and Trick, Gilbert. Cooking apparatus. 4,839,502, 6-13-89, Cl. 219-401.000.
- Swanson, David R.: *See—*
  - Ayer, Atul D.; Swanson, David R.; and Kuczynski, Anthony L., 4,816,263, Cl. 424-468.000.
  - Deters, Joseph C.; Wong, Patrick S. L.; Barclay, Brian L.; Theeuwes, Felix; and Swanson, David R., 4,837,111, Cl. 424-473.000.
- Swanson, Donald C., to Stratamodel, Inc. Process for three-dimensional mathematical modeling of underground geologic volumes. 4,821,164, 4-11-89, Cl. 364-420.000.
- Swanson, Douglas E.: *See—*
  - Bernier, Coral A.; and Swanson, Douglas E., 4,871,131, Cl. 244-122.0AG.
- Swanson, Douglas J.: *See—*
  - Fischer, Richard J.; and Swanson, Douglas J., 4,887,788, Cl. 248-562.000.
- Swanson, Eric J.: *See—*
  - Holberg, Douglas R.; and Swanson, Eric J., 4,849,662, Cl. 307-520.000.
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  - Hall, Nelson W.; and Smith, Gregory, 4,867,090, Cl. 114-61.000.
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  Baumeister, Udo; and Walther, Bernd, 4,866,322, Cl. 310-239.000.
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  Feger, Rolf; Holzmacher, Gunther; and Wirth, Hans-Joachim, 4,835,666, Cl. 362-268.000.
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  Schmid, Eckhardt; and Scholl, Wolfgang, 4,866,359, Cl. 318-471.000.
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Swiatosz, Edmund. Smoke generator. 4,818,843, 4-4-89, Cl. 219-275.000.

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Swietlik, George. Drill string stabilizer. 4,865,138, 9-12-89, Cl. 175-325.000.

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Swift, Joseph A.: *See—*
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Swift, Thomas R.; and Desty, Dennis H., to Safety First Limited. Water recirculating apparatus and method. 4,861,489, 8-29-89, Cl. 210-668.000.

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  Swisher, Jerald M., 4,805,933, Cl. 285-38.000.

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  Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,800,950, Cl. 164-467.000.
  Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,802,935, Cl. 148-437.000.
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  Homberger, Heinrich; Timm, Jurgen; and Rodriques, Pedro, 4,874,578, Cl. 420-541.000.
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  Merz, Walter, 4,812,085, Cl. 406-88.000.
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  Mizrah, Tiberiu; Maurer, Albert; and Gauckler, Ludwig, 4,857,088, Cl. 55-523.000.
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  Timm, Jurgen; Paulet, Jean-Francois; and Maier, Jorg, 4,806,211, Cl. 204-29.000.
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Switall, Thomas G.; Schaefges, Michael; and Goetzelman, Alan, to Ryco Graphic Manufacturing, Inc. Spray dampening system having alternate application control. 4,815,375, 3-28-89, Cl. 101-148.000.

Switall, Thomas G., to Ryco Graphic Manufacturing, Inc. Liquid mixing system and method. 4,823,987, 4-25-89, Cl. 222-63.000.

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  Lau, Frederick L., 4,820,200, Cl. 439-607.000.
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Swithenbank, Colin; and Bayer, Horst O., to Rohm and Haas Company. Herbicidal 4-trifluoromethyl-4-nitrodiphenyl ethers. 4,863,507, 9-5-89, Cl. 71-122.000.

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Swix, Scott R.; and Krueger, Leroy A., to International Business Machines Corp. Interactive animation of graphics objects. 4,841,291, 6-20-89, Cl. 340-725.000.

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Swon, James E.; and Hofer, Henry. Video timing device for pharmaceutical tablet testing. 4,855,821, 8-8-89, Cl. 358-101.000.

Swope, David C., to Cincinnati Milacron Inc. Method and apparatus for automatic servo gain adjustment for machine control. 4,808,899, 2-28-89, Cl. 318-619.000.

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- Hater, Gary R.; Krupka, Mark J.; and Davis, Lois T., 4,810,385, Cl. 210-606.000.
- Hater, Gary R.; and Goldsmith, Charles D., 4,850,745, Cl. 405-258.000.
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- Meffert, Alfred; Giesen, Brigitte; Syldatk, Andreas; Wegener, Ingo; and Fues, Johann F., 4,830,784, Cl. 252-547.000.
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- Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.
- Knight, Thomas F., Jr., 4,825,360, Cl. 364-200.000.
- Nestler, Eric; and Knight, Thomas F., 4,799,055, Cl. 340-710.000.

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Symington, Laurence I., to Tennessee Plastics, Inc. Variable air flow diffuser. 4,800,804, 1-31-89, Cl. 98-40.060.

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- Maycock, Ian C.; Ball, Robert J.; and Symonds, Denzil J. W., 4,858,741, Cl. 192-98.000.

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- Ernst, James; Williamson, Steven; Rogers, George; and Mann, Dominick, 4,861,270, Cl. 434-226.000.

Syn-Coat Enterprises, Inc.: *See—*
- Close, Donald S., 4,822,835, Cl. 524-114.000.

Syn-Tek AB: *See—*
- Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.

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- Faggin, Federico; and Lynch, Gary S., 4,802,103, Cl. 364-513.000.
- Mead, Carver A.; and Allen, Timothy P., 4,876,534, Cl. 340-825.950.

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- Maggio, Edward T., 4,828,981, Cl. 435-7.000.
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- Vodian, Morton A.; Bean, Eric S.; and LeMoine, Eric D., 4,853,325, Cl. 435-5.000.

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- Gross, David M., 4,871,989, Cl. 335-164.000.

Synclair, Damian: *See—*
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- Carmichael, Thomas F., 4,829,970, Cl. 123-595.000.

Syndetic Corporation: *See—*
- Reiners, Stanley J., 4,866,610, Cl. 364-300.000.

Syndevco, Inc.: *See—*
- Grobbel, Ronald M., 4,854,897, Cl. 439-716.000.

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- Terry, Robert L.; and Sallis, Daniel V., 4,841,590, Cl. 15-28.000.

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- Doggett, David E., 4,808,832, Cl. 250-548.000.

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- Lichtin, Norman N.; DiMauro, Thomas M.; and Svrluga, Richard C., 4,861,484, Cl. 210-638.000.

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Synpac Corporation: *See—*
- Binkley, Dennis E., 4,868,543, Cl. 340-569.000.

Synrad, Inc.: *See—*
- Laakmann, Peter, 4,805,182, Cl. 372-82.000.
- Laakmann, Peter, 4,837,772, Cl. 372-82.000.

Syntelligence: *See—*
- Reboh, Rene; and Risch, Tore J. M., 4,866,634, Cl. 364-513.000.

Syntex Inc.: *See—*
- Khatri, Hiralal N.; Fleming, Michael P.; and Schloemer, George C., 4,835,288, Cl. 548-453.000.
- Krantz, Alexander; and Young, John M., 4,873,232, Cl. 514-159.000.
- Morhenn, Vera, 4,886,745, Cl. 435-7.000.

Syntex Pharmaceuticals International Limited: *See—*
- Hsiao, Charles H.; and Kent, John S., 4,803,079, Cl. 424-468.000.

Syntex Pharmaceuticals, Ltd.: *See—*
- Pascal, Jean C.; Lee, Chi-Ho; Alps, Brian J.; Pinhas, Henri; and Whiting, Roger L., 4,829,065, Cl. 514-255.000.

Syntex (U.S.A.) Inc.: *See—*
- Allison, Anthony C.; Eugui, Elsie M.; Nelson, Peter H.; Gu, Chee-Liang L.; and Lee, William A., 4,86[illegible],153, Cl. 514-470.000.
- Barr, Stephen M.; and Rohlf, Paul A., 4,845,038, Cl. 435-296.000.
- Benjamin, Eric J.; and Visor, Gary C., 4,837,23[illegible], Cl. 514-267.000.
- Berger, Donald E., Jr.; Tarnowski, Thomas L.; and Ullman, Edwin F., 4,806,488, Cl. 436-536.000.
- Clark, Robin D.; and Waterbury, L. David, 4,847,269, Cl. 514-331.000.
- Clark, Robin D., 4,886,798, Cl. 514-233.200.
- Cooper, Gary F.; Wren, Douglas L.; Van Horn, Albert R.; Li, Tsung-Tee; and Beard, Colin C., 4,804,787, Cl. 568-649.000.
- Crews, Philip; Matthews, Thomas R.; Quinoa, Emilio; and Adamczeski, Madeline, 4,831,135, Cl. 540-526.000.
- Dunn, James P., 4,8[illegible]6,473, Cl. 514-443.000.
- Eppstein, Deborah A., 4,857,316, Cl. 424-85.600.
- Fleming, Michael P.; Khatri, Hiralal N.; and Schloemer, George C., 4,849,526, Cl. 548-453.000.
- Fleming, Michael P.; Schloemer, George C.; and Khatri, Hiralal N., 4,874,871, Cl. 548-543.000.
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- Houts, Thomas M.; and Ullman, Edwin F., 4,883,688, Cl. 427-285.000.
- Hu, Mae W.; and Singh, Prithipal, 4,795,822, Cl. 560-10.000.
- Huguet, Joan; Muchowski, Joseph M.; and Lara, Maria T., 4,888,358, Cl. 514-530.000.
- Jones, Gordon H.; Venuti, Michael C.; and Young, John M., 4,840,965, Cl. 514-450.000.
- Khanna, Pyare; and Pearlman, Fred, 4,798,804, Cl. 436-94.000.
- Khanna, Pyare, 4,816,391, Cl. 435-7.000.
- Khanna, Pyare; and Schulkamp, Kirk, 4,847,195, Cl. 435-7.000.
- Khanna, Pyare L.; Chang, Chiu C.; and Ullman, Edwin F., 4,857,455, Cl. 435-7.000.
- Kurn, Nurith; Bahl, Chander; and Ullman, Edwin F., 4,868,104, Cl. 435-6.000.
- Lee, Simon W., 4,857,318, Cl. 424-92.000.
- Leeder, Sydney; and Zuk, Robert F., 4,837,395, Cl. 435-7.000.
- Litman, David J.; and Ullman, Edwin F., 4,843,000, Cl. 435-7.000.
- Litman, David J.; and Ullman, Edwin F., 4,849,338, Cl. 435-7.000.
- Muchowski, Joseph M.; Greenhouse, Robert J.; and Guzman, Angel, 4,803,269, Cl. 544-69.000.
- Muchowski, Joseph M.; Clark, Robin D.; and Waterbury, L. David, 4,826,869, Cl. 514-408.000.
- Muchowski, Joseph M.; Greenhouse, Robert; Young, John; and Murthy, D. V. Krishna, 4,833,155, Cl. 514-423.000.
- Muchowski, Joseph M.; and Greenhouse, Robert, 4,873,340, Cl. 548-453.000.
- Muchwoski, Joseph M.; and Guzman, Angel, 4,867,915, Cl. 260-399.000.
- Munro, Donald F.; Burnside, Robert R.; and Besemer, Donald M., 4,833,384, Cl. 318-687.000.
- Nelson, Peter H.; Gu, Chee-Liang L.; Allison, Anthony C.; Eugui, Elsie M.; and Lee, William A., 4,808,592, Cl. 514-233.500.
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- Nestor, John J., Jr.; and Vickery, Brian H., 4,801,577, Cl. 514-15.000.
- Nestor, John J., Jr.; Moffatt, John G.; and Chan, Hardy W., 4,859,765, Cl. 530-333.000.
- Ogilvie, Kelvin K., 4,868,187, Cl. 514-269.000.
- Pease, John; Tarnowski, Thomas L.; Berger, Donald; Chang, Chiu C.; and Chuang, Chun-Hua, 4,830,786, Cl. 260-396.00N.
- Pfister, Jurg R.; Davis, Roman; and Lee, Chi-Ho, 4,889,866, Cl. 514-347.000.
- Tarnowski, Thomas L.; Lin, Cheng-I; and Ullman, Edwin F., 4,812,401, Cl. 435-29.000.
- Ullman, Edwin F.; Khanna, Pyare; and Peries, Rohan, 4,857,453, Cl. 435-7.000.
- Verheyden, Julien P. H.; and Martin, John C., 4,803,271, Cl. 544-276.000.
- Weng, Litai; Calderhead, David; Khanna, Pyare; and Ullman, Edwin F., 4,879,215, Cl. 435-7.000.

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- Beeley, Nigel; and Cremer, Gerard, 4,840,967, Cl. 514-466.000.
- Benjamin, Lennette, 4,885,288, Cl. 514-162.000.
- Comarmond, Jacques; Purcell, Thomas; and Zard, Lydia, 4,812,467, Cl. 514-341.000.
- George, Pascal; and Allen, John, 4,808,594, Cl. 514-300.000.
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- George, Pascal; Allen, John; Jaurand, Guy; and De Peretti, Daniele, 4,847,263, Cl. 514-300.000.
- Langer, Salomon, 4,806,530, Cl. 514-161.000.
- Manoury, Philippe; Binet, Jean; and Dewitte, Elisabeth, 4,806,560, Cl. 546-118.000.
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- Poupon, Raoul, 4,859,660, Cl. 514-182.000.
- Purcell, Thomas; Rivron, Luc; and Zard, Lydia, 4,810,723, Cl. 514-450.000.

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- Comte, Pierre-Andre; Schurch, Hans; and Ritter, Gebhard, 4,875,475, Cl. 128-924.00Y.
- Dormond, Kenneth; and Friedman, Robert J., 4,839,822, Cl. 364-513.000.
- Frigg, Robert; Gisin, Paul; Perren, Stephan M.; Jenny, Urs; and Ritter, Gebhard, 4,803,976, Cl. 128-92.0VD.
- Klaue, Kaj, 4,817,591, Cl. 128-92.0YZ.
- Klaue, Kaj, 4,838,252, Cl. 128-92.0YP.
- Sherman, Michael, 4,887,596, Cl. 606-61.000.

Synthetic Blood Corporation: *See—*
- Ecanow, Bernard, 4,849,405, Cl. 514-3.000.
- Ecanow, Bernard; and Ecanow, Charles S., 4,853,370, Cl. 514-6.000.
- Ecanow, Charles S.; and Ecanow, Bernard, 4,874,742, Cl. 514-2.000.

Synthetic Products Company: *See—*
- Baker, Paulette, 4,814,369, Cl. 524-287.000.
- Hale, Ronald G.; Woodley, Thomas R.; and Tornstrom, Paul K., 4,806,270, Cl. 252-400.540.

Synthetic Vision Systems, Inc.: *See—*
- Svetkoff, Donald J.; Doss, Brian; and Smith, David N., 4,796,997, Cl. 356-376.000.

Synthetics International Corp.: *See—*
- Moylan, William P., 4,832,882, Cl. 264-39.000.

Syntrall Canada Inc.: *See—*
- Alles, Anthony, 4,887,999, Cl. 604-110.000.

Syntrieve, Inc.: *See—*
- Cole, Jim R., Jr., 4,823,325, Cl. 367-20.000.

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- Ladick, Robert B.; and Ladick, Bryan E., 4,858,934, Cl. 273-186.00A.

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- Kimura, Hiroyuki; and Syoji, Mitsuo, 4,833,728, Cl. 455-166.000.

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- Sypniewski, George C., to Dow Chemical Company, The. Alkylation of vinyl aromatic polymer. 4,835,222, 5-30-89, Cl. 525-359.500.
- Sypniewski, James M., to Allied-Signal Inc. Traction system utilizing pump back based ABS system. 4,838,620, 6-13-89, Cl. 303-116.000.
- Syquest Technology: *See—*
  - Couse, Robert F.; and Mercer, Patrick G., 4,864,437, Cl. 360-75.000.
  - Thompson, Herbert E.; Rolph, Donald L.; and Mercurio, Dominic, 4,864,452, Cl. 360-133.000.
  - Thompson, Herbert E.; Rolph, Donald L.; Mercurio, Dominic; and Guerini, Albert J., 4,870,518, Cl. 360-97.010.
- Syracuse, David A.: *See—*
  - McElheny, Donald C.; Ponivas, Dale A.; Syracuse, David A.; Chandler, Stephen H.; and Nareau, Robert H., 4,801,912, Cl. 336-84.00M.
- Syracuse University: *See—*
  - Rothenberg, Martin, 4,862,503, Cl. 381-48.000.
  - Schwarz, James A.; and Huang, Yao-Jyh R., 4,810,463, Cl. 419-10.000.
  - Schwarz, James A.; Daniszewski, Edward J.; and Hutta, Joseph J., 4,810,926, Cl. 313-346.00R.
  - Tavlarides, Lawrence L.; and Bonnet, Julio C., 4,852,396, Cl. 73-61.10R.
- Syrimis, Nicos S.: *See—*
  - Dujari, Vineet; Syrimis, Nicos S.; and Gray, Douglas G., 4,811,124, Cl. 360-49.000.
- Syrinek, Allen R.; and Lyon, Lawrence B., to Nalco Chemical Company. Low temperature breakers for gelled fracturing fluids. 4,795,574, 1-3-89, Cl. 252-8.551.
- Syrkin, Anatoly B.: *See—*
  - Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
- Syro Steel Company: *See—*
  - Humble, Walter P.; Durkos, John C.; DiMargio, Nick A.; Cortell, Dominick J.; and Syak, Charles W., 4,838,523, Cl. 256-13.100.
- Syrowatka, Rupert: *See—*
  - Clements, Brice P.; Kurihara, Tatsuo; Marshall, Sammy D.; and Syrowatka, Rupert, 4,857,193, Cl. 210-396.000.
- Sysak, Peter K.: *See—*
  - Fruge, Daniel R.; and Sysak, Peter K., 4,816,384, Cl. 430-465.000.
- Sysmed, Inc.: *See—*
  - Broadhurst, John H., 4,862,135, Cl. 338-64.000.
  - Broadhurst, John H., 4,879,518, Cl. 328-233.000.
- Systech Corporation: *See—*
  - Lighthart, Eric L.; Hahn, Robert A.; Lindstrom, Jean M.; and Rummell, Jon R., 4,845,609, Cl. 364-200.000.
- Systecon, Inc.: *See—*
  - Rishel, James B., 4,805,118, Cl. 364-510.000.
- System Elektrotechnik G. Keller GmbH: *See—*
  - Merio, Raoul, 4,869,688, Cl. 439-504.000.
- System Instruments Co., Ltd.: *See—*
  - Takayama, Morihiko, 4,852,034, Cl. 364-724.010.
- System One Holdings, Inc.: *See—*
  - Ahlstrom, Mark L.; Keller, Bruce A.; and Storch, Randy S., 4,862,357, Cl. 364-407.000.
- System Sate S.r.l.: *See—*
  - Monticelli, Ivan; and Grasselli, Paola, 4,863,077, Cl. 223-57.000.
- System Schultheis AG: *See—*
  - Greub, Bruno A., 4,887,953, Cl. 414-331.000.
- System 3R International ab: *See—*
  - Ramsbro, Borje, 4,799,841, Cl. 411-55.000.
  - Ramsbro, Borje K., 4,855,558, Cl. 219-69.150.
- Systems Craft: *See—*
  - Ellington, Joseph C., III, 4,833,841, Cl. 52-79.100.
- Systems Integration Technology, Inc.: *See—*
  - Kent, David L.; and Khan, Rashid N., 4,869,110, Cl. 73-800.000.
- Systems Management American Corporation: *See—*
  - Kuehn, Gary; Gerrek, David M.; and Ferguson, Wendy, 4,818,982, Cl. 340-793.000.
- Systems Research Laboratories, Inc.: *See—*
  - Hoeffel, James D.; Elliott, Richard E.; Hoppe, Wally C.; and Nevitt, James S., 4,854,156, Cl. 73-37.500.
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  - Holm, Lauri, 4,860,840, Cl. 177-208.000.
  - Holm, Lauri J., 4,843,876, Cl. 73-309.000.
- Systran Corporation: *See—*
  - Jurgensen, John R., 4,819,177, Cl. 364-476.000.
- Systron Donner Corp.: *See—*
  - Corl, John L.; and Triplett, Gregory S., 4,870,394, Cl. 340-630.000.
  - Meyer, Robert H., Jr., 4,866,420, Cl. 340-578.000.
  - Sawyer, David E., 4,828,401, Cl. 374-178.000.
  - Warren, Donald E.; and Tyler, Maurice E., 4,854,389, Cl. 169-28.000.
- Sytek, Inc.: *See—*
  - Ben-Artzi. Amatzia, 4,797,881, Cl. 370-88.000.
- Sytsma, Frederick R., to Frost Inc. Sealed bearing assembly. 4,863,293, 9-5-89, Cl. 384-482.000.
- Syverson, Daniel J., to FSI International, Inc. Method and apparatus for controlling simultaneous etching of front and back sides of wafers. 4,857,142, 8-15-89, Cl. 156-646.000.
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  - Salvagnini, Guido, 4,856,178, Cl. 29-568.000.
- Szabad, Robert F., Jr., to Packaging Industries Group, Inc. Sports board having a slick film surface and method for making. 4,850,913, 7-25-89, Cl. 441-65.000.
- Szabadkai, Istvan: *See—*
  - Bod, Peter; Harsanyi, Kalman; Agai nee Csongor, Eva; Bogsch, Erik; Fekecs, Eva; Trischler, Ferenc; Domany, Gyorgy; Szabadkai, Istvan; and Hegedus, Bela, 4,835,281, Cl. 548-197.000.
- Szabados, Rudolph J.: *See—*
  - Berg, Lloyd; and Szabados, Rudolph J., 4,801,357, Cl. 203-51.000.
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- Szabo-Aczel, Stefan: *See—*
  - Winter, Susan C.; and Szabo-Aczel, Stefan, 4,839,159, Cl. 424-59.000.
- Szabo, Alice E. Tree ornament. 4,886,688, 12-12-89, Cl. 428-7.000.
- Szabo, Arthur G.: *See—*
  - Morand, Peter; Drew, Jacinta; Szabo, Arthur G.; and Proulx, Pierre R., 4,879,069, Cl. 260-397.200.
- Szabo, Attila. Hand-gun conversion kit. 4,862,618, 9-5-89, Cl. 42-7.000.
- Szabo, Attila. Fire-arm cartridge with frangible projectile. 4,862,805, 9-5-89, Cl. 102-444.000.
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  - Csillag, Zsolt; Szentgyorgyi. Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
- Szabo, Bela: *See—*
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- Szabo, Georges; and Cormerais, Francois-Xavier, to Compagnie De Raffinage Et De Distribution Total France. Hydrocarbon isomerization catalyst, process for its preparation, and use thereof. 4,830,998, 5-16-89, Cl. 502-66.000.
- Szabo, Gerald S. Volleyball passing trainer. 4,795,163, 1-3-89, Cl. 273-411.000.
- Szabo, Gyorgy: *See—*
  - Csanyi, Istvan; Csiszar, Janos; Feher, Laszia ; Losonczi, Zoltan and Szabo, Gyorgy, 4,870,318, Cl. 313-113.000.
- Szabo, Hsiao-Chiung: *See—*
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- Szabo, Istvan: *See—*
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- Szabo , Jozsef: *See—*
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  - Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.
- Szabo, Lajos: *See—*
  - Szantay, Csaba; Szabo, Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,806,545, Cl. 514-285.000.
  - Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.
- Szabo, Leslie I., to Electro Erg Limited. Compensation circuit for electrical generators. 4,885,526, 12-5-89, Cl. 322-66.000.
- Szabo nee Mogyorossi, Katalin; Kalocsai, Istvan; Gyoni, Istyan; Remenyi, Karoly; Plaveczky, Gyorgy; Kovacs, Laszlo; Gal, Dezso ; Nemes, Istvan; Botar, Laszlo ; Rencsura, Akos; Moger nee Jeremejeva, Galina; Heberger, Karoly; and Nemeth, Andras, to MTA Kozponti Kemiai Kutato Intezete. Stable brown-coal/oil suspensions and a process for preparing same. 4,859,209, 8-22-89, Cl. 44-51.000.
- Szabo, Tibor; Vidra nee Sandor, Ildiko ; Dalmadi, Gyula; Kaczmarei nee Sebestyen, Judit; and Ori, Janos, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Process for the preparation of diacyldianhydro hexitols. 4,820,852, 4-11-89, Cl. 549-539.000.
- Szabo, William E.: *See—*
  - Resnick, Theodore A.; Dupuis, Walter A.; and Szabo, William E., 4,829,551, Cl. 378-131.000.
- Szabo, William J. Weight-biased fitness machine. 4,858,915, 8-22-89, Cl. 272-117.000.
- Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyes nee Lukacs, Eva; and Bacsa, Gyorgy, to MTA Kozponti Kemiai Kutato Intezete; and BIOGAL Gyogyszergyar. Topical process for treating herpes infections using 5-isopropyl-2′-β-deoxyuridine as the active agent. 4,880,785, 11-14-89, Cl. 514-50.000.
- Szabolcsi, Tamas: *See—*
  - Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
- Szadkowski, Andrzej. Spring drive and spring drive scooter. 4,846,488, 7-11-89, Cl. 280-221.000.
- Szafir, David R.: *See—*
  - Barbic, John R.; Nichol, Kurt L.; Hibner, David H.; and Szafir, David R., 4,867,655, Cl. 417-407.000.
- Szafranski, Pierre, to Salomon, S.A. Ski brake associated with a ski binding. 4,872,698, 10-10-89, Cl. 280-605.000.
- Szajewski, Richard P., to Eastman Kodak Company. Photographic element having layer for increasing image sharpness comprising a non-diffusion DIR compound. 4,855,220, 8-8-89, Cl. 430-505.000.
- Szakacs, William G.: *See—*
  - Yonkman, Robert K.; and Szakacs, William G., 4,865,282, Cl. 248-111.000.
- Szalai, Laszlo: *See—*
  - Borden, Peter; Szalai, Laszlo; and Munson, Jon, 4,804,853, Cl 250-574.000.
- Szalanczy, Andras: *See—*
  - Bruml, William; Moscovitch, Marko; and Szalanczy, Andras, 4,835,388, Cl. 250-337.000.
- Szalata, Francois: *See—*
  - Demars, Yves; Szalata, Francois; and DeCoopman, Christian, 4,852,219, Cl. 19-305.000.
- Szantay, Csaba; Szabo; Lajos; Kalaus, Gyorgy; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Szporny, Laszlo; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, to Richter Gedeon Vegyeszeti Gyar Rt. (−)-1β-ethyl-1α-hydroxymethyl-1,2,3,4,6,7,12, 12Bα-octahydroindolo(2,3-A)quinolizine, process for its preparation and pharmaceutical compositions containing same. 4,806,545, 2-21-89, Cl. 514-285.000.
- Szantav, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , to Richter Gedeon Vegyeszeti Gyar Rt. 1,12-disubstituted octahydroindolo[2,3-]quinolizine derivatives, pharmaceutical compositions. 4,843,080, 6-27-89, Cl. 514-285.000.
- Szantay, Csaba: *See—*
  - Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.
  - Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.
- Szanto, Istvan, to Krebs & Cie. Mixer-settler apparatus having a submerged chute. 4,844,801, 7-4-89, Cl. 210-205.000.
- Szanto, Janos; Hollo , Sandor; Nyiri, Balazs; and Nagel, Ferenc, to Tungsram Reszvenytarsasag. Metal-halogen discharge lamp with conically shaped insulating elements in outer envelope. 4,843,266, 6-27-89, Cl. 313-25.000.
- Szarka Enterprises, Inc.: *See—*
  - Szarka, Paul J., 4,871,809, Cl. 525-131.000.
- Szarka, Ferencne : *See—*
  - Palotas, Laszlo; Laszlo, Geza; Horvath, Lazlo; Baria, Arpadne ; Marion, Barnabas; and Szarka, Ferencne , 4,880,208, Cl. 251-356.000.
- Szarka, Paul J., to Szarka Enterprises, Inc. Railroad flangeway filler and expansion joint sealer. 4,871,809, 10-3-89, Cl. 525-131.000.
- Szarka, Sandor, to Precision Screen Machines, Inc. Pallet assembly for improved printing operation. 4,819,559, 4-11-89, Cl. 101-474.000
- Szarka, Sandor, to Precision Screen Machines, Inc. Apparatus for mounting articles of clothing to a printing pallet. 4,875,268, 10-24-89, Cl. 29-283.000.
- Szarz, Richard A.: *See—*
  - Paul, Albert P.; Szarz, Richard A.; and Card, Roger J., 4,814,012, Cl. 106-38.510.
- Szasz, Tibor: *See—*
  - Wittmann, Heinz; Erdei, Roland; and Szasz, Tibor, 4,872,272, Cl. 36-117.000.
- Szatkowski, Marian: *See—*
  - Schlichting, Mark R.; and Szatkowski, Marian, 4,810,286, Cl. 75-49.000.
- Szatmari, Sandor; and Schaefer, Fritz P., to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Distributed feedback laser. 4,866,730, 9-12-89, Cl. 372-101.000.
- Szauder nee Lauko, Hedvig: *See—*
  - Magyar, Karoly; Varga, Janos; Simon, Ferenc; Szauder nee Lauko, Hedvig; Fekete, Pal; Romvary, Attila; Egri, Janos; and Zukovics nee Someg, Katalin, 4,871,722, Cl. 514-157.000.
- Szawlowski, Zdzislaw: *See—*
  - Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.
- Szayer, Geza J.: *See—*
  - Finch, Harry E.; and Szayer, Geza J., 4,807,687, Cl. 160-133.000.
- Szczepanek, Andre, to Texas Instruments Incorporated. Communications circuit having an interface for external address decoding. 4,866,421, 9-12-89, Cl. 340-825.520.
- Szczepanski, Harry. Putting practice device and method. 4,819,943, 4-11-89, Cl. 273-186.00C.
- Szczepanski, Henry: *See—*
  - Durr, Dieter; and Szczepanski, Henry, 4,824,466, Cl. 71-92.000.
  - Durr, Dieter; and Szczepanski, Henry, 4,824,471, Cl. 71-92.000.
  - Durr, Dieter; and Szczepanski, Henry, 4,851,029, Cl. 71-90.000.
- Szczerba, Robert M.: *See—*
  - Mikas, Raymond; Szczerba, Robert M.; and Pulciani, Sam C., 4,852,377, Cl. 72-349.000.
- Szczesniak, Stanley J., to AM International, Inc. Master holding mechanism for duplicating machines. 4,840,121, 6-20-89, Cl. 101-415.100.
- Szczesny, David S.: *See—*
  - Grebe, Robert K.; Lucius, John E.; and Szczesny, David S., 4,872,844, Cl. 439-69.000.
- Szczucinnski, Tomasz: *See—*
  - Dabrowski, Roman; Dziaduszek, Jerzy; Szczucinnski, Tomasz; Drzewinski, Witold; Stolarz, Zofia, Zmija, Jozef; Parka, Janusz; and Sosnowska, Bozena, 4,849,130, Cl. 252-299.610.
- Szczutkowski, Craig F.; Zinser, Richard L., Jr.; Kappagantula, Satish; and Peterson, Eugene H., III, to General Electric Company. Cryptographic digital signal transceiver method and apparatus. 4,817,146, 3-28-89, Cl. 380-48.000.
- Szczygielski, Thomas J.: *See—*
  - Barnes, Cherie C.; Bennett, Robert B.; and Szczygielski, Thomas J., 4,888,681, Cl. 364-200.000.
- Szczyrbowski, Joachim: *See—*
  - Dietrich, Anton; Hartig, Klaus; Schaefer, Hans-Christian; and Szczyrbowski, Joachim, 4,830,876, Cl. 427-96.000.
- Szdzepanek, Andre; and Buchanan, George. to Texas Instruments Inc. Elastic buffer for local area networks. 4,884,286, 11-28-89, Cl. 375-118.000.
- Sze, Jerry C.: *See—*
  - McClanahan, Robert F.; Washburn, Robert D.; Gonzalez, Carlos H.; Sze, Jerry C.; and Lusher, David M., 4,841,429, Cl. 363-126.000.
- Szebenyi, Emil; and Kuslima, Shogen, to Alfaceu Corporation. Pharmaceutical for treating tumors and methods for making it. 4,888,172, 12-19-89, Cl. 424-105.000.
- Szechenyi, Kalman, to Alcatel N.V. Fast frame and phase synchronization apparatus. 4,878,229, 10-31-89, Cl. 375-14.000.
- Szechy, Vilma: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
- Szecket, Alexander, to Bentivoglio, Alfredo; Rodriquez, Richardo; and Szecket, Alexander. Impact welding. 4,842,182, 6-27-89, Cl. 228-108.000.
- Szederkenyi, Ferenc: *See—*
  - Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Meszticzky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamtan; and Volford, Janos, 4,831,173, Cl. 556-420.000.
- Szefi, Robert J.: *See—*
  - Herringshaw, Steven D.; and Szefi, Robert J., 4,800,638, Cl. 29-407.000.
  - Herringshaw, Steven D.; Szefi, Robert J.; Batchelder, Paul J.; and Brentar, Francisco X., 4,827,671, Cl. 49-503.000.
  - Herringshaw, Steven D.; and Szefi, Robert J., 4,845,894, Cl. 49-502.000.
- Szegda, Andrew, to John Messalingua Assoc. Inc. Cable connector assembly. 4,869,679, 9-26-89, Cl. 439-272.000.
- Szego, Andras; Peterdi, Viktoria; Kovats, Ferenc; Sos, Jozsef; Racz, Istvan; Angyan, Sandor; and Marmarosi nee Kellner, Katalin, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Stabilized plant protecting agent suspension. 4,826,863, 5-2-89, Cl. 514-395.000.
- Szegvari, Zsuzsanna: *See—*
  - Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
- Szejtli, Jozsef: *See—*
  - Seres, Gabor; Jarai, Miklos; Piukovich, Sandor; Szigetvari nee Gabanyi, Maria; and Szejtli, Jozsef, 4,835,105, Cl. 435-97.000.
  - Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Szuts, Tamas, 4,826,963, Cl. 536-103.000.
- Szekely, Istvan: *See—*
  - Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.
  - Hidasi, Gyorgy; Szekely, Istvan; Bertok, Bela; Zoltan, Sandor; Nagy, Lajos; Gajari, Antal; Somfai, Eva; Hegedus, Agnes; Pap, Laszlo; Soos, Rudolf; Radvany, Erzsebet; Botar, Sandor; and Szabolcsi, Tamas, 4,845,126, Cl. 514-521.000.
- Szekely, Julian; and Ilegbusi, Olusegun J., to Massachusetts Institute of Technology. Magnetic streamlining and flow control in tundishes. 4,824,078, 4-25-89, Cl. 266-237.000.
- Szekely, Ladislau, deceased (by Daniello, Helene, legal representative); and Stieler, Fred, to Metallgesellschaft Aktiengesellschaft. Process of making binderless briquets from steelworks dusts. 4,889,555, 12-26-89, Cl. 75-0.50R.
- Szekely, Lajos; Hamori, Attila; Vida, Miklos; and Kunos, Karoly, to Szekely, Lajos; Hamori, Attila; and Vida, Miklos. Quick-action valve. 4,832,078, 5-23-89, Cl. 137-553.000.
- Szelenyi, Istvan: *See—*
  - Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,810,715. Cl. 514-341.000.

Schickaneder, Helmut; Engler, Heidrun; and Szelenyi, Istvan, 4,866,066, Cl. 514-274.000.
Szeli, Maria: *See—*
Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,868,172, Cl. 514-187.000.
Sebestyen, Gyula; Simonyi, Istvan; Miholics, Gizella; Kovacs, Marta; Gorgenyi, Frigyes; Fekete, Marton; Vago, Pal; Seres, Istvan; Egri, Janos; and Szeli, Maria, 4,871,728, Cl. 514-187.000.
Szema, Li-Chieh: *See—*
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Szemzo , Attila: *See—*
Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.
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Szenger, Franz: *See—*
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Szentgyorgyi, Geza: *See—*
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.
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Szentmiklosi, Peter; Hermecz, Istvan; Meszaros, Zoltan; Tardos, Laszlo; Marton, Jeno; Vasvari nee Debreczy, Lelle; Horvath, Agnes; and Marmarosi (nee Kellner), Katalin, to CHINOIN Gyogyszer es Vegyeszeti Termekek Gyara Rt. Method of treating a vascular obstructive lesion resulting from restricted blood circulation. 4,814,336, 3-21-89, Cl. 514-263.000.
Szepesi, Gabor: *See—*
Megyeri, Gabor; Keve, Tibor; Kovacs, Lajos, Jr.; Stefko, Bela; Bogsch, Erik; Kassai nee Zieger, Anna; Trischler, Ferenc; Szepesi, Gabor; and Gazdag, Maria, 4,816,587, Cl. 544-346.000.
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Szereto, Richard S.; and Drossman, Richard O., to Wear Management Services. Iron-base hard surfacing alloy system. 4,810,464, 3-7-89, Cl. 420-97.000.
Szeteli, Andreas: *See—*
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Szeto, Rickens T.; and Woodland, Harold K., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Station to station message arrangement. 4,837,807, 6-6-89, Cl. 379-96.000.
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Sziklas, Edward A.; and Benda, John A., to United Technologies Corporation. Coupling of ring lasers. 4,841,541, 6-20-89, Cl. 372-94.000.
Szikriszt, Georg. Apparatus for gas-producing treatment of organic material. 4,836,918, 6-6-89, Cl. 210-151.000.
Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, to Alkaloida Vegyeszeti Gyar. Novel dihydropyridines having calcium antagonistic and antihypertensive activity. 4,829,076, 5-9-89, Cl. 514-356.000.
Szilagyi, Imre; Dekany, Gyula; Frank, Judit; Horvath, Gabor; and Kulcsar, Gabor, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Oxypricin, a new antibiotic. 4,873,348, 10-10-89, Cl. 549-271.000.
Szilard, John. Method of and apparatus for ultrasonic imaging. 4,880,010, 11-14-89, Cl. 128-661.010.
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Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
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Szlaga, Emil, to Stant Inc. Flow control valve. 4,805,663, 2-21-89, Cl. 137-493.200.
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Harris, Robert S.; Szlaga, Emil; and Thompson, Robert H., 4,836,835, Cl. 55-168.000.
Szlam, Aleksander; Crooks, James W., Jr.; and Marks, Curtis G., to Inventions, Inc. Customer account online servicing system. 4,797,911, 1-10-89, Cl. 379-67.000.
Szluk, Nicholas J.; and Fukumoto, Jay T., to NCR Corporation. CMOS integrated devices in seeded islands. 4,799,097, 1-17-89, Cl. 357-42.000.
Szmania, Edmund P.: *See—*
Nuspl, Steven P.; Szmania, Edmund P.; Kleppe, John A.; and Norton, Peter R., 4,848,924, Cl. 374-119.000.
Szmuszkovicz, Jacob: *See—*
Vonvoigtlander, Philip F.; and Szmuszkovicz, Jacob, 4,801,604, Cl. 514-429.000.
Szocs, Zoltan: *See—*
Amrath, Hans; and Szocs, Zoltan, 4,822,251, Cl. 417-63.000.
Szofran, Frank R.: *See—*
Lehoczky, Sandor L.; and Szofran, Frank R., 4,863,553, Cl. 156-616.410.
Szoka, Francis: *See—*
Mayhew, Eric; Ehrke, M. Jane; Mace, Kenneth; Szoka, Francis; and Olson, Fred C., 4,873,088, Cl. 424-450.000.
Szollosi, Janos: *See—*
Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, 4,880,732, Cl. 435-29.000.
Szollosy, Marta: *See—*
Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
Szombathelyi, Zsolt: *See—*
Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
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Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
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Szonntagh, Eugene L.: *See—*
Castleman, Bruce W.; Cates, Marion H.; Szonntagh, Eugene L.; Walker, Rex R.; and Wilhite, W. Frank, 4,865,996, Cl. 436-161.000.
Szonyi, Francois: *See—*
Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie heir; Cambon, Aime; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy;

Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
Szostak, Tadeusz, to Thomas & Betts Corporation. Method and apparatus for terminating an optical fiber. 4,815,809, 3-28-89, Cl. 350-96.200.
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Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
Szpak, Anthony D.: *See—*
Descher, Joseph S.; Kacsala, Michael S.; and Szpak, Anthony D., 4,805,202, Cl. 378-209.000.
Szporny, Laszlo : *See—*
Fischer, Janos; Dobay, Laszlo ; Major, Mihaly; Ezer, Elemer; Matuz, Judit; Saghy, Katalin; Hajos, Gyorgy; and Szporny, Laszlo , 4,879,404, Cl. 560-051.000.
Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
Keve, Tibor; Megyeri, Gabor; Stefko, Bela; Kovacs, Lajos, Jr.; Kassai nee Zieger, Anna; Kiss, Bela; Laszlovszky, Istvan; Lapis, Erzsebet; Palosi, Eva; Groo, Dora; and Szporny, Laszlo , 4,859,682, Cl. 514-288.000.
Kreidl, Janos; Visky, Gyorgy; Czibula, Laszlo; Stefko, Bela; Farkas nee Kirjak, Maria; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Szporny, Laszlo ; Forgacs, Lilla; Kuthi, Csaba; and Gere, Aniko, 4,839,362, Cl. 514-283.000.
Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.
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Szantay, Csaba; Soti, Ferenc; Incze, Maria; Balogh nee Kardos, Zsuzsanna; Szombathelyi, Zsolt; Karpati, Egon; Kiss, Bela; Csomor, Katalin; Laszlovszky, Istvan; Lapis, Erzsebet; Forgacs, Lilla; Kuthi, Csaba; and Szporny, Laszlo , 4,843,080, Cl. 514-285.000.
Tigyi, Gabor; Bozoky, Bela; Szegvari, Zsuzsanna; Frank, Tibor; Hajos, Gyorgy; Szporny, Laszlo; and Forgacs, Lilla, 4,882,336, Cl. 514-283.000.
Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,866,062, Cl. 514-255.000.
Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, 4,868,184, Cl. 514-255.000.
Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, 4,810,709, Cl. 514-283.000.
Szreders, Bernard E.; and Campanella, Nicholas, to United States of America, Energy. Method and apparatus for assembling solid oxide fuel cells. 4,827,606, 5-9-89, Cl. 29-729.000.
Szreders, Bernard E.: *See—*
Brian, Riley; and Szreders, Bernard E., 4,831,965, Cl. 118-725.000.
Szu, Tseng; and Shimizu, Tadashi. Rib coupling for hat-like umbrellas. 4,884,586, 12-5-89, Cl. 135-26.000.
Szuba, Louis. Adhesive-applying machine. 4,854,929, 8-8-89, Cl. 493-150.000.
Szubelick, F. Paul: *See—*
Bullard, Calvin P.; and Szubelick, F. Paul, 4,801,361, Cl. 264-40.600.
Bullard, Calvin P.; and Szubelick, F. Paul, 4,813,859, Cl. 425-4.00R.
Szucs, Andras, to Ibex Scaffolding Limited. Scaffolding and braces for use in scaffolding. 4,815,249, 3-28-89, Cl. 52-638.000.
Szucs, Lajos: *See—*
Odor, Gyula; Csapo, Frigyes; Szabo, Bela; Szucs, Lajos; Marton, Mihaly; Steiner, Janso; Revesz, Laszlo; Toth, Ferenc; and Weiszengruber, Ferenc, 4,816,142, Cl. 209-3.000.
Szucs, Laszlo; and Szabo , Jozsef, to Energiagasdalkodasi Intezet. Convector with finned tubes. 4,796,692, 1-10-89, Cl. 165-129.000.
Szucs, Laszlo, Szabo, Istvan; Papp, Istvan; Csaszni, Jozsef; Lengyel, Gyula; Resch, Pal; Sigmond, Emod; and Kardos, Peter, to Energiagazdalkodasi Intezet. Apparatus for making up feed water for a power station. 4,813,237, 3-21-89, Cl. 60-670.000.
Szucs, Laszlo; and Harmatha, Andras, to Energiazdalkodasi Intezet. Plate-type heat exchanger. 4,858,685, 8-22-89, Cl. 165-166.000.
Szudarek, Robert G.: *See—*
Maue, H. Winston; Henderson, Brian E.; Szudarek, Robert G.; and Wolanzyk, Thomas C., 4,830,621, Cl. 439-52.000.
Szukay, Hans-Joachim; and Maul, Wilhelm, to Ford Motor Company. Fastening a component on a shaft or in a bore against axial displacement. 4,818,166, 4-4-89, Cl. 411-361.000.
Szulagyi, Janos: *See—*
Bohus, Peter; Bihari, Ferenc; Kertesz nee Szabo, Marianna; Kuronya, Istvan; Boros, Peter; Szulagyi, Janos; Meszaros, Jeno ; Eifert, Gyula; Meszaros nee Szekrenyes, Agnes; Jartoo, Odon S.; and Gondos, Laszlo , 4,806,151, Cl. 71-111.000.
Szuminski, Gary F.; and Ward, Benjamin D., to Rolls-Royce Inc. Aircraft with stowable vectorable nozzle and ejector thrust augmentation. 4,840,329, 6-20-89, Cl. 244-12.500.
Szuts, Tamas: *See—*
Hermecz, Istvan; Kereszturi, Geza; Vasvavi, Lelle; Horvath, Agnes; Balogh, Maria; Kovacs, Gabor; Szuts, Tamas; Ritli, Peter; Sipos, Judit; and Pajor, Aniko, 4,871,849, Cl. 544-229.000.
Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Szuts, Tamas, 4,826,963, Cl. 536-103.000.
Szwerc, Joe, to Nabisco Brands, Inc. Concave shaped snack food and process for preparing same. 4,844,919, 7-4-89, Cl. 426-94.000.
Szwerc, Joseph A.: *See—*
Arciszewski, Henry E.; Porzio, Linda A.; Chiang, Bin Y.; Spotts, Clyde E., Jr.; McHugh, Kevin; and Szwerc, Joseph A., 4,859,473, Cl. 426-19.000.
Fazzolare, Richard D.: Szwerc, Joseph A.; van Lengerich, Bernhard; and Leschke, Rudolph J., 4,834,996, Cl 426-302.000.
Fazzolare, Richard D.; Szwerc, Joseph A.; and McFeaters, Rich, 4,873,093, Cl. 426-28.000.
Szycher, Michael; and Rolfe, Jonathan L., to Thermedics, Inc. Perfume patch. 4,880,690, 11-14-89, Cl. 428-224.000.
Szydlo, Nicolas; Perbet, Jean N.; and Kasprzak, Rolande, to Thomson-Csf. Non-linear control element for a flat electrooptical display screen and a method of fabrication of said control element. 4,810,637, 3-7-89, Cl. 437-15.000.
Szydlowski, Donald F.; and Suljak, George T., to International Fuel Cells Corporation. Compact chemical reaction vessel. 4,861,347, 8-29-89, Cl. 48-61.000.
Szykowski, John P.: *See—*
Rossi, Albert; Szykowski, John P.; and Tack, Robert D., 4,826,615, Cl. 252-56.00R.
Szymanski, Thomas; and Turner, Stephen M , to Norton Company. Raghouse bag design for simultaneous particulate capture and chemical reaction. 4,874,586, 10-17-89, Cl. 422-177.000.
Szymczak, Thomas J.: *See—*
Knoll, Donald W.; Shelton, David L.; and Szymczak, Thomas J., 4,822,604, Cl. 424-70.000.
Szymozak, Edward J.; Cassity, Thomas G.; Taylor, William M.; Tiemer, Peer H.; Hoes, Larry M.; Smith, Jerry D.; and Davies, Timothy C., to Cameron Iron Works USA, Inc. Wellhead structure. 4,869,319, 9-26-89, Cl. 166-115.000.
Szyms, Walter, to Armstrong Rubber Co., The. Belt and tread transfer ring and drum expand bladders. 4,802,937, 2-7-89, Cl. 156-118.000.
Szyms, Walter; and Valaitis, Joseph W., to Armstrong Rubber Company, The. Reinforced tire curing bladder and method for using same. 4,877,469, 10-31-89, Cl. 156-123.000.
Szynal, James M. Suction insect eradicator. 4,825,582, 5-2-89, Cl. 43-140.000.
Szyszlican, Eduardo D.: *See—*
Honda, Hiroshi; and Szyszlican, Eduardo D., 4,797,626, Cl. 328-225.000.
T.A.C. (Tongerese Automaten Centrale): *See—*
Morin, Claude, 4,860,389, Cl. 2-424.000.
T. A. Pelsue Company: *See—*
Beavers, Allan E., 4,819,680, Cl. 135-104.000.
T.C., Inc.: *See—*
Coyne, Thomas J., Jr., 4,880,459, Cl. 75-35.000.
T Cell Sciences, Inc.: *See—*
Kung, Patrick C.; Brown, Michael C.; and Ip, Stephen H., 4,845,026, Cl. 435-5.000.
T. Chatani & Co., Ltd.: *See—*
Kojima, Takeshi, 4,860,171, Cl 362-31.000.
T.D.J. Co., Inc.: *See—*
Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,851,110, Cl. 209-135.000.
Rolle, Thomas E.; Nebel, David J.; Shulan, John L.; and Liljestrom, William P., 4,852,818, Cl. 241-301.000.
T.D.K. Plastics, Inc.: *See—*
Griffith, Kenneth L., 4,882,073, Cl. 210-776.000.
T. D. Williamson, Inc.: *See—*
Cho, Hyun J., 4,797,239, Cl. 264-45.500.
T. D. Wright, Inc.: *See—*
McEachern, David A., 4,852,490, Cl. 101-378.000.
T and G. Corporation: *See—*
Peck, Robert L., 4,797,190, Cl. 204-296.000.
T & H, Inc.: *See—*
Huspen, Fred J., 4,848,793, Cl. 280-801.000.
T. H. Industries: *See—*
Hill, C. L., 4,817,852, Cl. 228-114.000.
T.I.R.U. - Traitement Industrial des Residue Urbains, to T.I.R.U. - Traitement Industriel Des Residus Urbains. Furnance hearth ashbox with extractor chamber that is easy to unjam. 4,884,515, 12-5-89, Cl. 110-171.000.
T.I.R.U. - Traitement Industriel Des Residus Urbains: *See—*
T.I.R.U. - Traitement Industrial des Residue Urbains, 4,884,515, Cl. 110-171.000.
T. J. Gundlach Machine Company: *See—*
Gundlach, Theodore F., 4,807,820, Cl. 241-294.000.
T. K. Wong & Associates, Ltd.: *See—*
Wong, Tak K., 4,884,989, Cl. 446-168.000.
T. M. Smith Tool International Corporation: *See—*
Hollifield, Dean H.; and Schultz, Frank R., III, 4,834,596, Cl. 409-232.000.
T.M.T.-Transmissioni Meccaniche Torino: *See—*
Gallone, Fiorenzo, 4,867,579, Cl. 384-53.000.
T&N Technology Limited: *See—*
Scott, Peter A. J., 4,869,601, Cl. 384-100.000.

T P O Pharmachim: *See—*
Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S.; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
T.R. Applied Development Corporation: *See—*
Hoye, Robert S.; and Roach, Theodore H., 4,824,111, Cl. 273-148.00B.
T. R. Whitney Corporation: *See—*
Nagler, Michael, 4,832,429, Cl. 350-6.800.
T. Sendzimir, Inc.: *See—*
Sendzimir, Michael G.; and Turley, John W., 4,843,673, Cl. 15-102.000.
T.T.C. Termo Technica Ceramica S.p.A.: *See—*
Cristea, Eugen D., 4,883,422, Cl. 431-182.000.
T & T Co., Ltd.: *See—*
Ushikoshi, Michihiro, 4,848,143, Cl. 73-146.000.
T-Thermal, Inc.: *See—*
Miller, Ralph, 4,818,514, Cl. 423-558.000.
Miller, Ralph, 4,837,001, Cl. 423-574.00R.
T W Kutter Inc.: *See—*
Ventura, Francis P., 4,879,864, Cl. 53-559.000.
T. Y. Lin International: *See—*
Yang, Y. C., 4,837,885, Cl. 14-21.000.
Ta, S. Henry. Electronic multi-purpose warning device for motor vehicles and motor boats. 4,803,459, 2-7-89, Cl. 340-52.00R.
TA Triumph-Adler Aktiengesellschaft: *See—*
Haftmann, Johannes; and Schmeykal, Rudolf, 4,877,347, Cl. 400-479.000.
Hagen, Klaus; and Spotka, Rudolf, 4,844,630, Cl. 400-54.000.
Hofmann, Norbert; and Spotka, Rudolf, 4,797,018, Cl. 400-249.000.
Jensen, Christian; and Schmidt, Gunther, 4,880,322, Cl. 400-167.000.
Link, Manfred, 4,820,066, Cl. 400-144.200.
Schmitt, Roland; and Beuter, Rudolf, 4,843,284, Cl. 315-371.000.
Schulze, Jurgen; and Rettkel Wilfried, 4,810,116, Cl. 400-208.000.
Stein, Hans P.; Weise, Armin; and Will, Reinhold, 4,871,272, Cl. 400-583.000.
Ta Yu Electric Co., Ltd.: *See—*
Chuan, Chuang T.; and Cheng, Der C., 4,839,780, Cl. 362-265.000.
TAA Technique and Administration AG: *See—*
Frank, Wolfgang, 4,806,302, Cl. 264-46.700.
Tab Products Company: *See—*
Lechner, Lloyd; and Thomas, Kent, 4,820,002, Cl. 312-221.000.
Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,820,073, Cl. 402-68.000.
Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,820,074, Cl. 402-75.000.
Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., 4,842,435, Cl. 402-80.00R.
Tabacchi, John G.: *See—*
Grace, Richard; Guzman, Alberto M.; Portnoff, Marc A.; Purta, David A.; Runco, Paul D.; and Tabacchi, John G., 4,847,783, Cl. 364-497.000.
Tabacchi, Vittorio. Hinge for the elastic articulation of a temple piece to the front frame of an eyeglass frame. 4,818,093, 4-4-89, Cl. 351-113.000.
Tabachnik, Mordechai, to Bio-Technology General Corp. Method of growing trichoderma. 4,837,155, 6-6-89, Cl. 435-254.000.
Tabak, Samuel A.: *See—*
Avidan, Amos A.; Smith, Fritz A.; and Tabak, Samuel A., 4,855,521, Cl. 585-415.000.
Beech, James H., Jr.; Owen, Hartley; Ramage, Michael P.; and Tabak, Samuel A., 4,849,186, Cl. 422-190.000.
Huang, Tracy J.; LaPierre, Rene B.; and Tabak, Samuel A., 4,857,664, Cl. 568-695.000.
Krambeck, Frederick J.; Owen, Hartley; and Tabak, Samuel A., 4,831,205, Cl. 585-519.000.
Kushnerick, John D.; and Tabak, Samuel A., 4,831,204, Cl. 585-519.000.
Owen, Hartley; and Tabak, Samuel A., 4,831,203, Cl. 585-519.000.
Tabakov, Mirtcho S.; Nedyalkov, Nedyalko K.; and Stefanov, Stefan T., to MIRTA. Collinear dipole array with inductive and capacitive phasing. 4,872,021, 10-3-89, Cl. 343-801.000.
Tabanfar, Shahin: *See—*
Miller, Les A.; Tabanfar, Shahin; and Chung, Chih-Hua, 4,832,575, Cl. 417-18.000.
Tabar, William J. Device for producing three dimensional landscape scenes. 4,885,192, 12-5-89, Cl. 428-13.000.
Tabata, Akihiko: *See—*
Ueno, Ryuzo; Ueno, Ryuji; Kuno, Sachiko; and Tabata, Akihiko, 4,840,941, Cl. 514-59.000.
Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.
Tabata, Akira; Miyajima, Motoshu; and Kawaguchi, Kazushi, to Fujitsu Limited. Method for fabricating a bipolar transistor having self aligned base and emitter. 4,824,794, 4-25-89, Cl. 437-33.000.
Tabata Co Ltd: *See—*
Matsuoka, Mitsushiro, 4,795,385, Cl. 441-64.000.
Tabata, Hajime: *See—*
Hatanaka, Kaoru; Tabata, Hajime; Hasegawa, Tooru; and Nakazawa, Yoshihiro, 4,870,545, Cl. 362-72.000.
Tabata, Hiroshi; and Akiyama, Akihiko, to Honda Giken Kogyo Kabushiki Kaisha. Deceleration sensor. 4,889,068, 12-26-89, Cl. 116-203.000.
Tabata, Hiroshi: *See—*
Akiyama, Akihiko; Higuchi, Kazuo; Okuhara, Hisakazu; Tabata, Hiroshi; and Kinoshita, Yoshiko, 4,864,086, Cl. 200-61.530.
Higuchi, Kazuo; Tabata, Hiroshi; Okuhara, Hisakazu; Saruwatari, Hidetoshi; and Akiyama, Akihiko, 4,840,325, Cl. 242-107.200.
Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,849,438, Cl. 514-373.000.
Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.
Tabata, Kanzo; Inoue, Hiroshi; Muramatsu, Tadao; and Narahara, Yasuji, to Ube Industries, Ltd. Aromatic polyimide film. 4,839,217, 6-13-89, Cl. 428-156.000.
Tabata, Kaoru: *See—*
Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
Tabata, Kazufumi: *See—*
Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, 4,802,270, Cl. 29-241.000.
Tabata, Keiichiro: *See—*
Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, 4,830,916, Cl. 428-138.000.
Tabata, Keiji: *See—*
Akutsu, Mitsuo; and Tabata, Keiji, 4,889,672, Cl. 264-63.000.
Tabata, Kuniaki; Machida, Tetsuo; Hino, Masatoshi; and Nomura, Kunihiro, to Hitachi, Ltd. Display control apparatus. 4,808,989, 2-28-89, Cl. 340-750.000.
Tabata, Kuniaki; Machida, Tetsuo; Takeda, Haruo; Takada, Naoki; and Okada, Yasuyuki, to Hitachi, Ltd. Method of and apparatus for enlarging/reducing two-dimensional images. 4,809,345, 2-28-89, Cl. 382-47.000.
Tabata, Kuniaki: *See—*
Iwami, Hidefumi; Tabata, Kuniaki; Machida, Tetsuo; Miyake, Tuguo; and Murata, Fumiya, 4,829,294, Cl. 340-723.000.
Takeda, Haruo; Tabata, Kuniaki; and Nakamura, Masao, 4,808,987, Cl. 340-721.000.
Tabata, Mamoru: *See—*
Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
Tabata, Masaaki, to Toyota Jidosha Kabushiki Kaisha. Hydraulic cylinder apparatus. 4,887,515, 12-19-89, Cl. 92-80.000.
Tabata, Masaru: *See—*
Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, 4,869,367, Cl. 206-403.000.
Tabata, Mitsuo; Tojo, Toru; and Shimozono, Hiroaki, to Kabushiki Kaisha Toshiba; and Tokyo Kogaku Kikai Kabushiki Kaisha. Method for aligning first and second objects relative to each other and apparatus for practicing this method. 4,811,062, 3-7-89, Cl. 356-152.000.
Tabata, Mitsuo: *See—*
Tojo, Toru; Tabata, Mitsuo; and Yoshino, Hisakazu, 4,808,002, Cl. 356-401.000.
Tabata, Mituharu; and Majumdar, Gourab, to Mitsubishi Denki Kabushiki Kaisha. Cascode BiMOS driving circuit using IGBT. 4,866,313, 9-12-89, Cl. 307-570.000.
Tabata, Osamu: *See—*
Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, 4,859,496, Cl. 427-53.100.
Tabata, Shigeo: *See—*
Kameda, Osamu; and Tabata, Shigeo, 4,854,413, Cl. 180-247.000.
Tabata, Syunichi: *See—*
Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
Tabata, Tatushi: *See—*
Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.
Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Doi, Takuya, to Nissan Motor Co., Ltd.; and Bridgestone Corporation. Vibration insulating device. 4,872,650, 10-10-89, Cl. 267-140.100.
Tabata, Toshiyuki: *See—*
Takeda, Masaru; and Tabata, Toshiyuki, 4,884,789, Cl. 267-140.100.
Tabata, Yukio: *See—*
Kawanishi, Toshiyuki; and Tabata, Yukio, 4,853,707, Cl. 346-1.100.
Tabatabaie, Nader, to Bell Communications Research, Inc. Ingaas semiconductor structures. 4,814,847, 3-21-89, Cl. 357-30.000.
Tabayashi, Isao; Harada, Hiroshi; Inoue, Sadahiro; and Fukumoto, Hiroshi, to Dainippon Ink and Chemicals, Inc. Hot-melt type ink for thermal ink-jet printer. 4,878,946, 11-7-89, Cl. 106-27.000.
Tabayashi, Toshikazu, to Osaka Taiyu Co., Ltd. Carrier for cylindrical containers. 4,856,959, 8-15-89, Cl. 414-451.000.
Tabb, David L.; and Wilson, Janet M., to Du Pont de Nemours, E. I. and Company. Fluoroelastomer compositions containing a tetraalkylammonium halide and vulcanization accelerator. 4,868,234, 9-19-89, Cl. 524-236.000.
Tabe, Hideya: *See—*
Morimoto, Yoshitaka; and Tabe, Hideya, 4,838,641, Cl. 350-96.210.

Tabei, Ichiro: *See—*
Watanabe, Masaru; and Tabei, Ichiro, 4,799,628, Cl. 242-84.420.
Tabei, Kazuhiko: *See—*
Kobayashi, Masao; Iwamura, Takuro; and Tabei, Kazuhiko, 4,830,086, Cl. 164-418.000.
Tabei, Masatoshi; and Kawajiri, Kazuhiro, to Fuji Photo Film Co., Ltd. Micro filter arrangement in an interlaced solid-state image pickup element. 4,802,001, 1-31-89, Cl. 358-48.000.
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Tabei, Masatoshi; and Kawajiri, Kazuhiro, to Fuji Photo Film Co., Ltd. Solid-state color image pickup unit with mosaic color filter and two horizontal output registers. 4,821,088, 4-11-89, Cl. 358-48.000.
Tabei, Masatoshi, to Fuji Photo Film Co., Ltd. Solid-state image pickup device with CCDS in an interline transfer system and improved charge transfer electrode structure. 4,847,692, 7-11-89, Cl. 358-213.110.
Tabei, Masatoshi, to Fuji Photo Film Co., Ltd. Electronic still camera. 4,858,025, 8-15-89, Cl. 358-310.000.
Tabei, Masatoshi; Ikeda, Mitsuru; and Nakajima, Yosuke, to Fuji Photo Film Co., Ltd. Solid state image device. 4,860,076, 8-22-89, Cl. 357-30.000.
Tabei, Masatoshi, to Fuji Photo Film Co., Ltd. Solid state image pickup device having a different signal charge transfer speeds for photographic operations and for preliminary photometric operations, and method of providing the same. 4,870,494, 9-26-89, Cl. 358-213.190.
Tabei, Masatoshi: *See—*
Kobayashi, Kiyotaka; Tabei, Masatoshi; Arashi, Madoka; and Mizobuchi, Yuzo, 4,825,293, Cl. 358-228.000.
Kobayashi, Kiyotaka; Shizukuishi, Makoto; and Tabei, Masatoshi, 4,829,368, Cl. 358-41.000.
Miida, Takashi; Kondo, Ryuji; Murayama, Jin; Tabei, Masatoshi; and Ozaki, Nozomu, 4,849,619, Cl. 250-201.000.
Tabei, Shigeru, to Tobu Electric Co., Ltd. Snap-action heat responsive device. 4,799,038, 1-17-89, Cl. 337-379.000.
Tabei, Shigeru, to Tobu Electric Co., Ltd. Thermal switch. 4,862,133, 8-29-89, Cl. 337-102.000.
Tabei, Yukio: *See—*
Morito, Makoto; Tabei, Yukio; and Yamada, Kozo, 4,852,181, Cl. 381-46.000.
Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yukio; and Takahashi, Keiko, 4,868,879, Cl. 381-43.000.
Taber, John E., to TRW Inc. Address generator circuit. 4,809,156, 2-28-89, Cl. 364-200.000.
Taber, Terry R.: *See—*
Burns, Paul A.; and Taber, Terry R., 4,861,701, Cl. 430-543.000.
Tabet, Nicolas N.: *See—*
Elliott, Randy D.; and Tabet, Nicolas N., 4,861,972, Cl. 235-462.000.
Tabira, Masatoshi: *See—*
Iri, Eiji; and Tabira, Masatoshi, 4,850,664, Cl. 350-96.200.
Tabisz, Wojciech A.; and Lee, Fred C. Dc-to-Dc converters using multi-resonant switches. 4,841,220, 6-20-89, Cl. 323-282.000.
Tabisz, Wojciech A.; and Lee, Fred C., to Virginia Tech Intellectual Properties, Inc. Zero-voltage-switched multi-resonant converters including the buck and forward type. 4,857,822, 8-15-89, Cl. 323-282.000.
Tabisz, Wojciech A.; Lee, Fred C.; and Jovanovic, Milan M., to Virginia Tech Intellectual Properties, Inc. Half-bridge zero-voltage switched multi-resonant converters. 4,860,184, 8-22-89, Cl. 363-17.000.
Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, to Ajinomoto Co., Inc. Optically active compound and liquid crystalline composition. 4,880,561, 11-14-89, Cl. 252-299.610.
Tabor, Donald C. Two-string delta-style kite with sail curvature control. 4,807,832, 2-28-89, Cl. 244-153.00R.
Tabor, Jim; and Counts, Richard, to Prescolite, Inc. Voltage control module. 4,803,586, 2-7-89, Cl. 361-18.000.
Tabor, Lambertus M. J.: *See—*
Burlet, Rudolf J. H.; and Tabor, Lambertus M. J., 4,830,699, Cl. 156-344.000.
Tabor, Richard A.: *See—*
Kohut, James K.; and Tabor, Richard A., 4,795,116, Cl. 248-73.000.
Tabor, Stanley; and Richardson, Charles C., to President and Fellows of Harvard College. T7 DNA polymerase. 4,795,699, 1-3-89, Cl. 435-5.000.
Tabor, William J.: *See—*
Bobeck, Andrew H.; Harriott, Lloyd R.; Hartman, Robert L.; Kaplan, Daniel R.; Przybylek, George J.; and Tabor, William J., 4,870,649, Cl. 372-19.000.
Taborga, Jorge R.: *See—*
Dang, Mieu-Hong; James, Nigel V.; Jreij, Elie A.; and Taborga, Jorge R., 4,847,893, Cl. 379-95.000.
Tabu, Takashi: *See—*
Kawami, Shigeru; Tabu, Takashi; Sano, Shigeo; and Masuda, Nobuyuki, 4,872,199, Cl. 379-413.000.
Tabuchi, Akira: *See—*
Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
Tabuchi, Hiroaki: *See—*
Tada, Tetsuya; Nagasaka, Masumi; Tabuchi, Hiroaki; and Teratani, Tatsuo, 4,803,637, Cl. 364-426.040.
Tabuchi, Hiroki: *See—*
Jinda, Akihito; Furubayashi, Hisatoshi; Hijikigawa, Masaya; and Tabuchi, Hiroki, 4,805,296, Cl. 29-620.000.
Tabuchi, Junichiro, to Sanyo Electric Co., Ltd. Digital servo system using microcomputer for controlling phase and speed of rotary body. 4,885,793, 12-5-89, Cl. 388-810.000.
Tabuchi, Kenji; and Kanada, Tomohisa, to Minolta Camera Kabushiki Kaisha. Cleaning device. 4,862,221, 8-29-89, Cl. 355-300.000.
Tabuchi, Kenji: *See—*
Okamoto, Hiroshi; Toyoshi, Naoki; Tabuchi, Kenji; Takebe, Kaoru; and Nagao, Taisuke, 4,845,524, Cl. 355-239.000.
Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, 4,847,658, Cl. 355-245.000.
Yamada, Takanobu; and Tabuchi, Kenji, 4,866,481, Cl. 355-246.000.
Tabuchi, Makoto: *See—*
Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,803,777, Cl. 29-856.000.
Nakagawa, Masayuki; Tabuchi, Makoto; and Hamuro, Mitsuro, 4,823,103, Cl. 336-175.000.
Tabuchi, Norio: *See—*
Inoue, Yasuaki; Minakuchi, Kimihide; and Tabuchi, Norio, 4,847,848, Cl. 372-50.000.
Tabuchi, Tsuyoshi: *See—*
Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, Cl. 118-52.000.
Tabushi, Iwao, to Kureha Kagaku Kogyo Kabushiki Kaisha. Method and device of memory using liquid crystal. 4,807,187, 2-21-89, Cl. 365-108.000.
Tabuti, Katumi: *See—*
Niwa, Katuhiro; Abe, Nobuyasu; Kajikiyo, Katuji; Suzuoki, Tsutomu; Tabuti, Katumi; and Arii, Yoshifumi, 4,872,383, Cl. 83-175.000.
Tacan Corporation: *See—*
Kim, Ernest M.; and Peter, Jack, 4,842,391, Cl. 350-96.180.
Tacchini, Franco, to Comarme Marchetti FASpA. Machine for forming cardboard boxes from blanks folded flat. 4,857,038, 8-15-89, Cl. 493-316.000.
Tacconi, Antonio, to Soimex S.r.L. Machine for rapidly cooking batches of spaghetti. 4,803,916, 2-14-89, Cl. 99-352.000.
Tachi, Hiroyuki: *See—*
Kantrowitz, Adrian; Freed, Paul S.; Tachi, Hiroyuki; and Suzuki, Akira, 4,809,681, Cl. 600-17.000.
Tachi, Katsuichi: *See—*
Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, 4,814,902, Cl. 360-33.100.
Kato, Tetsuro; and Tachi, Katsuichi, 4,839,750, Cl. 360-48.000.
Takeuchi, Hajime; and Tachi, Katsuichi, 4,819,087, Cl. 360-14.300.
Tachi, Kazuyuki; Okuda, Chikaaki; Yamada, Katsunori; Oyama, Yoichi; and Suzuki, Shoichi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Rotating spraying type coating apparatus. 4,798,335, 1-17-89, Cl. 239-296.000.
Tachi, Ryosuke: *See—*
Hosoe, Katsuharu; Itoh, Teruyoshi; Tachi, Ryosuke; and Nojiri, Takao, 4,883,033, Cl. 123-335.000.
Tachi-S Co., Ltd.: *See—*
Aoki, Akira; Mizushima, Yoshihiro; and Kuroyanagi, Toshiya, 4,832,400, Cl. 297-284.000.
Aoki, Akira; and Itoh, Kunihiko, 4,865,379, Cl. 297-180.000.
Arai, Yoshio, 4,867,507, Cl. 297-218.000.
Fujita, Yasuyuki; and Nishino, Takaichi, 4,811,925, Cl. 248-430.000.
Ito, Kunihiko, 4,813,738, Cl. 297-180.000.
Iwami, Kunihide, 4,813,645, Cl. 248-588.000.
Kanai, Masatatsu; and Urai, Muneharu, 4,828,214, Cl. 248-430.000.
Kanai, Shigeru, 4,856,847, Cl. 297-341.000.
Kobayashi, Hideo; and Arai, Yoshio, 4,840,428, Cl. 297-408.000.
Nemoto, Akira, 4,843,919, Cl. 74-805.000.
Nemoto, Akira, 4,865,388, Cl. 297-403.000.
Nishino, Takaichi, 4,804,229, Cl. 297-471.000.
Ochiai, Susumu, 4,844,543, Cl. 297-349.000.
Ochiai, Susumu, 4,844,544, Cl. 297-408.000.
Ochiai, Susumu, 4,863,219, Cl. 297-443.000.
Saito, Seishiro; and Kanai, Shigeru, 4,828,213, Cl. 248-421.000.
Saito, Seishiro; and Kanai, Shigeru, 4,834,333, Cl. 248-421.000.
Saito, Tetsuo, 4,796,954, Cl. 297-452.000.
Sakamoto, Takao, 4,884,777, Cl. 248-588.000.
Sakamoto, Takao; and Takizawa, Kiyotaka, 4,885,513, Cl. 318-468.000.
Shimada, Makoto, 4,795,215, Cl. 297-452.000.
Shimada, Makoto, 4,799,988, Cl. 156-475.000.
Shimada, Makoto, 4,818,331, Cl. 156-485.000.
Shimada, Makoto, 4,840,430, Cl. 297-452.000.
Shimada, Makoto, 4,851,070, Cl. 156-293.000.
Shimada, Makoto, 4,854,997, Cl. 156-245.000.
Suzuyama, Tomio; Kosaka, Takayuki; Hayama, Masaki; and Shirai, Tamotsu, 4,886,316, Cl. 297-284.000.
Takagi, Genjiro, 4,810,037, Cl. 297-481.000.
Toya, Shinichi, 4,848,840, Cl. 297-417.000.
Urai, Muneharu, 4,831,697, Cl. 29-91.100.
Urai, Muneharu, 4,867,508, Cl. 297-452.000.
Urai, Muneharu, 4,873,036, Cl. 264-46.600.
Urai, Muneharu, 4,874,448, Cl. 156-196.000.
Yokoyama, Sho, 4,875,734, Cl. 297-284.000.

Tachi, Shinichi; Okudaira, Sadayuki; Tsujimoto, Kazunori; and Mukai, Kiichiro, to Hitachi, Ltd. Process for surface treatment. 4,857,137, 8-15-89, Cl. 156-640.000.
Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, to Babcock-Hitachi Kabushiki Kaisha. Process for removing nitrogen oxides. 4,865,827, 9-12-89, Cl. 423-239.000.
Tachi, Teruo: *See—*
  Sukimoto, Minobu; Chuma, Hiromune; and Tachi, Teruo, 4,805,435, Cl. 72-283.000.
Tachi, Yoshiya; and Hotta, Noriyuki, to Hotta Co., Ltd. (Hotta Kabushiki Kaisha). Collar for a pet. 4,798,174, 1-17-89, Cl. 119-106.000.
Tachibana, Daisuke: *See—*
  Okada, Takeji; Sawaide, Minoru; Imai, Minoru; and Tachibana, Daisuke, 4,873,145, Cl. 428-407.000.
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, to Fuji Photo Film Co., Ltd. Portable microfilm reader. 4,810,086, 3-7-89, Cl. 353-79.000.
Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, to Fuji Photo Film Co., Ltd. Portable microfilm reader. 4,810,087, 3-7-89, Cl. 353-79.000.
Tachibana, Hideto: *See—*
  Kobayashi, Kenzo; and Tachibana, Hideto, 4,846,709, Cl. 439-161.000.
Tachibana, Hiroyuki: *See—*
  Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.
Tachibana, Juro; and Nishimura, Yoshihide, to Teijin Seiki Company Limited. Warp transfer apparatus. 4,878,279, 11-7-89, Cl. 28-203.000.
Tachibana, Kimie; Kaneko, Yutaka; and Ishii, Fumio, to Konica Corporation. Silver halide color photographic light-sensitive material containing pyrazoloazole type cyan coupler. 4,873,183, 10-10-89, Cl. 430-550.000.
Tachibana, Naoji, to Mitsubishi Jukogyo Kabushiki Kaisha. Electric dust collector with electrode supporter therefor. 4,846,857, 7-11-89, Cl. 55-146.000.
Tachibana, Natsuki: *See—*
  Ichihara, Issey; Toshimitsu, Kenshi; and Tachibana, Natsuki, 4,862,213, Cl. 355-245.000.
Tachibana, Ryo: *See—*
  Nagatomi, Kyosuke; Kajiwara, Teruki; Ookuma, Hisashi; and Tachibana, Ryo, 4,832,983, Cl. 427-81.000.
Tachibana, Sadao, to Oki Electric Industry Co., Ltd. Keyboard of a membrane contact type. 4,837,412, 6-6-89, Cl. 200-5.00A.
Tachibana, Sadao: *See—*
  Amino, Fumihiro; Tozuka, Zenzou; Tachibana, Sadao; and Aoki, Kazuo, 4,851,618, Cl. 200-5.00A.
  Aoki, Kazuo; and Tachibana, Sadao, 4,874,913, Cl. 200-314.000.
Tachibana, Shinro: *See—*
  Ito, Osamu; and Tachibana, Shinro, 4,822,774, Cl. 514-12.000.
Tachibana, Shunro; and Shibata, Uichi, to Shunro Tachibana; and Meiji Seika Kaisha, Ltd. Endermic application kits for external medicines. 4,821,740, 4-18-89, Cl. 128-798.000.
Tachibana, Tadashi: *See—*
  Hashimoto, Masashi; and Tachibana, Tadashi, 4,862,413, Cl. 365-104.000.
  Hashimoto, Masashi; and Tachibana, Tadashi, 4,890,262, Cl. 365-200.000.
Tachibana, Takeshi: *See—*
  Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.
Tachibana, Tetsuo: *See—*
  Isono, Osamu; Fukui, Toshimasa; Nishino, Tetsuo; Tachibana, Tetsuo; and Iwabuchi, Eisuke, 4,837,761, Cl. 370-60.000.
Tachigami, Shigeru: *See—*
  Nakai, Sinichiro; Obara, Yuichi; Yuguchi, Renichi; and Tachigami, Shigeru, 4,801,191, Cl. 350-96.200.
Tachihara, Fumituga: *See—*
  Itou, Tsukasa; Kawase, Ryuji; Morioka, Yuji; Ichiba, Masao; Tachihara, Fumituga; and Awajitani, Takahisa, 4,826,744, Cl. 429-206.000.
Tachiiri, Yoshikazu: *See—*
  Kojima, Fumio; Tachiiri, Yoshikazu; and Kato, Yoshihisa, 4,874,174, Cl. 285-82.000.
Tachikawa, Hiromichi: *See—*
  Yokoya, Hiroaki; Sano, Kenji; Tachikawa, Hiromichi; and Sato, Hideo, 4,800,146, Cl. 430-73.000.
Tachikawa, Hiroshi: *See—*
  Shinozaki, Takashi; and Tachikawa, Hiroshi, 4,820,237, Cl. 453-61.000.
Tachikawa, Kyoji: *See—*
  Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.
Tachikawa, Mamoru; Sakuma, Masato; Ueki, Satoshi; Imai, Chihiro; and Makishima, Tokuo, to Toa Nenryo Kogyo Kabushiki Kaisha. Process for producing a catalyst component for polymerization of olefins. 4,849,483, 7-18-89, Cl. 526-97.000.
Tachikawa, Mitsuru: *See—*
  Morita, Masataka; Ishihara, Masao; and Tachikawa, Mitsuru, 4,836,324, Cl. 180-291.000.
Tachikawa Spring Co., Ltd.: *See—*
  Adachi, Mitsuhiro, 4,883,318, Cl. 297-234.000.
  Isono, Hiroyuki, 4,856,844, Cl. 297-284.000.
Tachimoto, Minoru; and Sofue, Isao. Meter with synthesized voice readout. 4,864,226, 9-5-89, Cl. 324-157.000.
Tachino, Tomio: *See—*
  Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
Tachita, Ryobun; Ikeda, Ken; and Teranishi, Akio, to Matsushita Electric Industrial Co., Ltd. GPS receiver. 4,800,577, 1-24-89, Cl. 375-115.000.
Tachiuchi, Tsuguji; Mano, Hiroyuki; and Takashi, Terumi, to Hitachi, Ltd. Method and apparatus for liquid crystal display with intermediate tone. 4,808,991, 2-28-89, Cl. 340-793.000.
Tachiuchi, Tsuguji; Konuma, Satoshi; and Tsuchiya, Nobuo, to Hitachi, Ltd.; and Hitachi Video Engineering, Inc. Image signal binary circuit with a variable-frequency clock signal generator for driving an image sensor. 4,839,739, 6-13-89, Cl. 358-282.000.
Tachiuchi, Tsuguji: *See—*
  Mano, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, 4,855,728, Cl. 340-805.000.
Tachiya, Yuichi: *See—*
  Sato, Tadakuni; and Tachiya, Yuichi, 4,881,986, Cl. 148-103.000.
Tack, Hans: *See—*
  Von Haas, Rainer; and Tack, Hans, 4,864,714, Cl. 29-568.000.
Tack, Johannes-Wilhelm; Albring, Manfred; and Windt-Hanke, Fred, to Schering Aktiengesellschaft. Nifedipine combination preparation. 4,814,175, 3-21-89, Cl. 424-453.000.
Tack, John G.: *See—*
  Daniels, James A.; Douthett, Joseph A.; and Tack, John G., 4,828,630, Cl. 148-325.000.
Tack, Robert D.; Pearce, Sarah L.; and Rossi, Albert, to Exxor Chemical Patents Inc. Middle distillate compositions with improved cold flow properties. 4,810,260, 3-7-89, Cl. 44-62.000.
Tack, Robert D.; and Pearce, Sarah L., to Exxon Chemical Patents Inc. Middle distillate compositions with improved low temperature properties. 4,863,486, 9-5-89, Cl. 44-62.000.
Tack, Robert D.; Andrews, Rodger F.; and Ayres, Sally J., to Exxon Chemical Patents Inc. Crude oil and fuel oil compositions. 4,874,394, 10-17-89, Cl. 44-70.000.
Tack, Robert D.; and Lewtas, Kenneth, to Exxon Chemical Patents Inc. Crude oil or fuel oil compositions. 4,882,034, 11-21-89, Cl. 208-15.000.
Tack, Robert D.: *See—*
  Rossi, Albert; Szykowski, John P.; and Tack, Robert D., 4,826,615, Cl. 252-56.00R.
  Rossi, Albert; Tack, Robert D.; Lewtas, Kenneth; and Alves, Jose, 4,839,074, Cl. 252-56.00D.
Tackabery, Richard E.: *See—*
  Thatcher, Herbert vH.; Mursinna, Richard C.; and Tackabery, Richard E., 4,860,038, Cl. 354-64.000.
Tacke, Peter; Grogp, Ulrich; and Idel, Karsten-Josef, to Bayer Aktiengesellschaft. Process for the preparation of aromatic polyesters. 4,841,000, 6-20-89, Cl. 525-437.000.
Tacker, Bill D., to Super Sagless Corp. Wall proximity chair. 4,805,960, 2-21-89, Cl. 297-85.000.
Tacker, Bill D., to Super Sagless Corporation. Wall proximity chair. 4,878,710, 11-7-89, Cl. 297-68.000.
Tacker, Willis A., Jr.: *See—*
  Bourland, Joe D.; Babbs, Charles F.; Geddes, Leslie A.; Tacker, Willis A., Jr.; and Graber, George P., 4,827,763, Cl. 73-172.000.
Tackett, Craig A., to Solitron Devices Incorporated. Solderless wedge-lock coaxial cable connector. 4,834,676, 5-30-89, Cl. 439-584.000.
Tackett, E. Wayne; Dombrowski, Daniel C.; and Lauritzen, Scott W., to Morton Thiokol, Inc. Preloaded composite electromagnetic barre and process for fabricating same. 4,846,911, 7-11-89, Cl. 156-173.000.
Tackett, Garrol: *See—*
  Verhoff, Stephen H.; and Tackett, Garrol, 4,853,046, Cl. 148-16.500.
Tackett, James E., to Marathon Oil Company. Brine tolerant polymer and oil recovery applications. 4,795,784, 1-3-89, Cl. 525-244.000.
Tackett, Timothy N.: *See—*
  Doherty, Paul D.; Tackett, Timothy N.; and Gavin, Lawrence R., 4,886,466, Cl. 439-191.000.
Tackikawa, Toru; and Fuseya, Yoshihiko, to Ajinomoto Co., Inc. Oil or fat coated substance and method of making the same. 4,871,558, 10-3-89, Cl. 426-99.000.
Tackles, George, to Cap Snap Co. Cap for motor oil container. 4,828,128, 5-9-89, Cl. 215-256.000.
Tackles, George: *See—*
  Bullock, Joseph J.; Hatch, Wayne L.; and Tackles, George, 4,798,301, Cl. 215-256.000.
Tackles, George J.; and Sinyard, Michael W., to Specialized Bicycle Components, Inc. Water bottle cage and method. 4,830,239, 5-16-89, Cl. 224-35.000.
Tackles, George J.; and Sinyard, Michael W., to Specialized Bicycle Components, Inc. Water bottle cage and method. 4,830,240, 5-16-89, Cl. 224-35.000.
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Taco Bell: *See—*
  Cortopassi, Jeffery J., 4,807,776, Cl. 220-23.830.
Tactical Fabs, Inc.: *See—*
  Peltzer, Douglas L.; Bechtel, Richard L.; Ko, Wen C.; and Liggett, William T., 4,836,861, Cl. 136-246.000.

Tactile Perceptions, Inc.: *See—*
  Knutti, James W.; Allen, Henry V.; Petersen, Kurt E.; and Kowalski, Carl R., 4,861,420, Cl. 156-633.000.
Tactilitics, Inc.: *See—*
  Beggs, George R., 4,845,323, Cl. 200-85.00R.
  Speck, Richard P., 4,839,512, Cl. 250-231.00P.
Tacy, Robert: *See—*
  Garay, Gabriel L.; Garay, Anne-Ly; and Tacy, Robert, 4,861,268, Cl. 433-229.000.
Tada, Akihiro; Kiriu, Takashi; and Arakawa, Motoomi, to Orient Chemical Industries Ltd. Toner for developing electrostatic latent images. 4,855,208, 8-8-89, Cl. 430-110.000.
Tada, Eichi: *See—*
  Saji, Yoshiro; Tada, Eichi; Toda, Hiroaki; and Kawahara, Yoshiaki, 4,803,452, Cl. 335-301.000.
Tada, Eiichi: *See—*
  Saji, Yoshiro; and Tada, Eiichi, 4,797,646, Cl. 335-301.000.
Tada, Haruo: *See—*
  Funabashi, Takanori; Nakada, Akiyoshi; and Tada, Haruo, 4,802,815, Cl. 414-680.000.
Tada, Hisashi; Saruta, Masahiro; Murata, Takashi; Agata, Akira; and Kashiyama, Setuo, to Mitsubishi Rayon Co., Ltd. Carbon fiber for composite material. 4,832,932, 5-23-89, Cl. 423-447.200.
Tada, Kaoru, to Minolta Camera Kabushiki Kaisha. Image reading apparatus which eliminates moire patterns by magnifying an image optically and reducing it electrically. 4,812,915, 3-14-89, Cl. 358-287.000.
Tada, Kaoru; Hasunuma, Masahiko; and Kawai, Mitsuo, to Kabushiki Kaisha Toshiba. Manufacturing method for high hardness member. 4,854,978, 8-8-89, Cl. 148-14.000.
Tada, Kaoru, to Minolta Camera Kabushiki Kaisha. Image read apparatus. 4,858,023, 8-15-89, Cl. 358-471.000.
Tada, Kaoru, to Minolta Camera Kabushiki Kaisha. Image processing apparatus. 4,866,534, 9-12-89, Cl. 358-456.000.
Tada, Kazuhiro: *See—*
  Ikeda, Takaharu; Tada, Kazuhiro; and Morino, Haruki, 4,814,460, Cl. 548-262.000.
  Ikeda, Takaharu; and Tada, Kazuhiro, 4,814,461, Cl. 548-262.000.
Tada, Kiyoshi; Tsukamoto, Kenji; and Otsuka, Tatsuo, to Showa Aluminum Corporation. Substrate for amorphous silicon solar cells. 4,806,436, 2-21-89, Cl. 428-629.000.
Tada, Kiyoshi: *See—*
  Morita, Shizuo; Tada, Kiyoshi; Togo, Tatsuo; and Tazaki, Hiroo, 4,814,742, Cl. 340-825.540.
Tada, Kohji: *See—*
  Kotani, Toshihiro; and Tada, Kohji, 4,873,062, Cl. 422 249.000.
Tada, Kunio; Okada, Yoshitaka; Inoue, Hiroaki; and Matsumura, Hiroyoshi, to Hitachi, Ltd. Optical switch. 4,832,430, 5-23-89, Cl. 350-96.140.
Tada, Kuniyuki: *See—*
  Iwayama, Kazuyoshi; Magatani, Yasuhiro; and Tada, Kuniyuki, 4,861,928, Cl. 570-202.000.
Tada, Manabu: *See—*
  Taguchi, Jisei; Miura, Yutaka; Iwanaga, Kenji; and Tada, Manabu, 4,879,536, Cl. 335-128.000.
Tada, Masuo; Akamatsu, Kazuhiko; Fukumoto, Takaaki; Ohmori, Toshiaki; and Hyono, Tadashi, to Mitsubishi Denki Kabushiki Kaisha. Method of processing base plate for magnetic disc. 4,869,090, 9-26-89, Cl. 72-53.000.
Tada, Morio: *See—*
  Motoki, Yoshimitsu; Nakagawa, Kiyohito; and Tada, Morio, 4,850,222, Cl. 73-317.000.
Tada, Naofumi: *See—*
  Aihara, Katsuzo; Hara, Nobuhiro; Tada, Naofumi; Ogihara, Masahiro; Kouriki, Katsuo; and Suzuki, Yasuo, 4,870,379, Cl. 505-1.000.
Tada, Satomi: *See—*
  Kumasaka, Sadao; Tada, Satomi; and Wakabayashi, Hirokazu, 4,814,515, Cl. 568-619.000.
Tada, Satoshi: *See—*
  Tajima, Akio; and Tada, Satoshi, 4,807,792, Cl. 226-74.000.
Tada, Shinsaku: *See—*
  Nakano, Sota; and Tada, Shinsaku, 4,861,375, Cl. 106-90.000.
Tada, Shozi: *See—*
  Matumoto, Hiroyuki; Imai, Hidenori; and Tada, Shozi, 4,845,235, Cl. 548-550.000.
Tada, Tetsuo; and Okada, Keisuke, to VLSI Technology Research Association. Semiconductor testing device. 4,799,009, 1-17-89, Cl. 324-158.00P.
Tada, Tetsuo; and Maeno, Hideshi, to Mitsubishi Denki Kabushiki Kaisha. Testing apparatus for semiconductor device. 4,801,871, 1-31-89, Cl. 324-73.00R.
Tada, Tetsuo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor device tester. 4,807,229, 2-21-89, Cl. 371-27.000.
Tada, Tetsuo; and Yamada, Tsuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Test assist circuit for a semiconductor device providing fault isolation. 4,873,686, 10-10-89, Cl. 371-22.400.
Tada, Tetsuo; and Matsui, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor test system. 4,888,715, 12-19-89, Cl. 364-550.000.
Tada, Tetsuo: *See—*
  Maeno, Hideshi; and Tada, Tetsuo, 4,813,043, Cl. 371-27.000.
Tada, Tetsuya; Nagasaka, Masumi; Tabuchi, Hiroaki; and Teratani, Tatsuo, to Toyota Jidosha Kabushiki Kaisha. Cruise control system for a vehicle. 4,803,637, 2-7-89, Cl. 364-426.040.
Tada, Tetsuya; Nagasaka, Masumi; and Teratani, Tatsuo, to Toyota Jidosha Kabushiki Kaisha. Cruise control system for a vehicle. 4,814,991, 3-21-89, Cl. 364-426.040.
Tada, Tetsuya. Trigger type sprayer. 4,815,663, 3-28-89, Cl. 239-333.000.
Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, to Toyota Jidosha Kabushiki Kaisha; and Fujitsu Ten Kabushiki Kaisha. Automatic speed control apparatus for controlling vehicle speed at set speed. 4,862,367, 8-29-89, Cl. 364-426.040.
Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, to Toyota Jidosha Kabushiki Kaisha; and Fujitsu Ten Limited. Constant-speed control device for a vehicle. 4,877,101, 10-31-89, Cl. 180-177.000.
Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuto; and Aikawa, Yukihiro, to Mita Industrial Co., Ltd. Device for detecting the life of an image forming process unit, opening of a seal of the unit and attachment of the unit to an image forming apparatus. 4,873,549, 10-10-89, Cl. 355-206.000.
Tada, Yasuji: *See—*
  Yukawa, Isao; and Tada, Yasuji, 4,872,289, Cl. 51-5.00R.
Tada, Yasuo; and Abe, Minoru, to Mitsubishi Denki Kabushiki Kaisha. Intake air meter for an internal combustion engine. 4,815,324, 3-28-89, Cl. 73-861.220.
Tada, Yasuo: *See—*
  Takahashi, Akira; and Tada, Yasuo, 4,869,099, Cl. 73-118.200.
Tada, Yoshihiko: *See—*
  Mizuno, Genji; Nishii, Michiharu; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,848,853, Cl. 303-110.000.
  Nishii, Michiharu; Ando, Masamoto; and Tada, Yoshihiko, 4,874,207, Cl. 303-52.000.
  Nishii, Michiharu; Mizuno, Genji; Tada, Yoshihiko; Nomura, Yoshihisa; Kato, Masahiko; Shirai, Kenji; and Tanoue, Junichi, 4,887,869, Cl. 303-114.000.
Tada, Yuji: *See—*
  Nakacho, Yoshifumi; Tada, Yuji; and Yamada, Sinichi, 4,840,856, Cl. 429-192.000.
Tadahiro, Ohmi: *See—*
  Ohmi, Tadahiro; Sugiyama, Kazuhiko; Nakahara, Fumio; and Umeda, Masaru, 4,869,301, Cl. 141-85.000.
Tadakuma, Kenji: *See—*
  Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.
Tadano Ltd.: *See—*
  Iga, Tadashi, 4,828,124, Cl. 212-188.000.
Tadashi, Kunihira; and Minakuchi, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Speed controller. 4,879,754, 11-7-89, Cl. 388-810.000.
Tadashima, Fumio, to Murao Boki Kabushiki Kaisha. Rove bobbin transporting system. 4,840,124, 6-20-89, Cl. 104-163.000.
Tadauchi, Masaharu: *See—*
  Nakamura, Koozoo; Tadauchi, Masaharu; and Hamada, Nagaharu, 4,809,215, Cl. 364-900.000.
Taddei, Silvio, to Silvelox S.p.A. Driving and guiding apparatus for a horizontally pivoted wing. 4,819,376, 4-11-89, Cl. 49-200.000.
Taddeo, Anthony R. Loudspeaker. 4,837,837, 6-6-89, Cl. 381-158.000.
Taddeo, Fausto V.; and Woodward, Mark A., to Pacific Power Source Corp. DC to AC switching converter with phased delayed parallel switchers. 4,843,534, 6-27-89, Cl. 363-71.000.
Tadema, Jan C., to Wiener & Co. Apparatenbouw B.V. Refining device. 4,878,426, 11-7-89, Cl. 99-485.000.
Tadenuma, Hiroshi: *See—*
  Kasai, Kiyoshi; Hattori, Masayuki; Shimizu, Tatsuya; and Tadenuma, Hiroshi, 4,828,955, Cl. 430-111.000.
Tadlock, John W.: *See—*
  Thomsen, Jack W.; Regunathan, Perialwar; and Tadlock, John W., 4,857,189, Cl. 210-232.000.
Tadmor, Zehev; Siegel, Arthur D.; and Yang, Jan-Chin. Rotary processor apparatus and method for extensive and dispersive mixing. 4,871,260, 10-3-89, Cl. 366-99.000.
Tadokoro, Akio: *See—*
  Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, 4,876,177, Cl. 430-313.000.
Tadokoro, Eiichi: *See—*
  Yamaguchi, Nobutaka; Tadokoro, Eiichi; and Miyoshi, Takahito, 4,822,672, Cl. 428-323.000.
Tadokoro, Joji; and Noguchi, Matsusaburo, to Oki Electric Industry Co., Ltd. Electronic print board system. 4,819,078, 4-4-89, Cl. 358-256.000.
Tadokoro, Joji: *See—*
  Kano, Hiroyuki; Noguchi, Matsusaburo; and Tadokoro, Joji, 4,835,603, Cl. 358-75.000.
Tadokoro, Michihiro; Okada, Kazuo; and Imai, Hitoshi, to Mitsubishi Denki Kabushiki Kaisha. Focus detecting apparatus utilizing reflecting surface having variable reflectivity or transmissivity. 4,862,442, 8-29-89, Cl. 369-45.000.
Tadokoro, Michihiro; Imai, Hitoshi; and Okada, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Optical reading or writing apparatus. 4,881,204, 11-14-89, Cl. 369-46.000.
Tadokoro, Michihiro: *See—*
  Imai, Hitoshi; Arai, Ryuichiro; Koyanagi, Kimiyuki; and Tadokoro, Michihiro, 4,841,507, Cl. 369-44.000.
  Imai, Hitoshi; Okada, Kazuo; and Tadokoro, Michihiro, 4,876,666, Cl. 365-106.000.

Okada, Kazuo; Tadokoro, Michihiro; and Imai, Hitoshi, 4,868,807, Cl. 369-109.000.
Tadokoro, Toyohiko: *See—*
  Fujimura, Masaki; and Tadokoro, Toyohiko, 4,848,747, Cl. 273-77.00A.
  Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,798,383, Cl. 273-167.00H.
  Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,884,812, Cl. 273-167.00H.
Tadokoro, Yoshio: *See—*
  Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
Tadros, Maher E., to Martin Marietta Corporation. Nonchromate deoxidizer for aluminum alloys. 4,883,541, 11-28-89, Cl. 134-3.000.
Tadros, Tharwat F., to Imperial Chemical Industries PLC. Formulation process. 4,875,927, 10-24-89, Cl. 71-94.000.
Tadych, John E., to American Building Restoration Chemicals, Inc. Electric stripper applicator. 4,848,659, 7-18-89, Cl. 239-127.000.
Tae Lim Electronics Co., Ltd.: *See—*
  Choi, Young J., 4,825,217, Cl. 343-715.000.
Taeger, Tilmann: *See—*
  Christner, Juergen; Pfleiderer, Ernst; and Taeger, Tilmann, 4,889,811, Cl. 435-265.000.
Taer S.r.l. *See—*
  Prevosto, Gianfranco, 4,834,626, Cl. 417-415.000.
Taeusch, David R.; and Wohlmuth, Clinton J., to Raycon Textron Inc. Laser/EDM drilling manufacturing cell. 4,857,696, 8-15-89, Cl. 219-121.700.
Taeusch, H. William; Jacobs, Kenneth A.; Steinbrink, D. Randall; Floros, Joanna; Phelps, David S.; and Fritsch, Edward F., to Genetics Institute, Inc. Pulmonary surfactant proteins. 4,882,422, 11-21-89, Cl. 530-350.000.
Tafarrodi, Hassanali: *See—*
  Oates, James H.; Liu, Lun K.; Sundaram, Swaminathan H.; and Tafarrodi, Hassanali, 4,805,457, Cl. 73-572.000.
Tafel, Leonard I.; and Kosoglad, Leonard W., to Webquip Corporation. Apparatus and method for activating a device for operating on a moving workpiece. 4,821,973, 4-18-89, Cl. 242-57.000.
Taffer, Jon. Apparatus and method for selecting and playing music. 4,852,910, 8-1-89, Cl. 283-67.000.
Taft, Charles K.; and Burke, Timothy S., to University of New Hampshire. Electrofluid converters. 4,809,730, 3-7-89, Cl. 137-82.000.
Taft, David. Combination screw-tapping and screwdriving tool. 4,796,319, 1-10-89, Cl. 7-158.000.
Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A., to Westinghouse Electric Corp. Optical automatic seam tracker and real time control system for an industrial robot. 4,833,381, 5-23-89, Cl. 318-577.000.
Taft, Jeffrey D., to Westinghouse Electric Corp. Path contriving system for look-ahead sensor in a robotic control system. 4,843,287, 6-27-89, Cl. 318-568.160.
Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A., to Westinghouse Electric Corp. Image processing system for an optical seam tracker. 4,849,679, 7-18-89, Cl. 318-577.000.
Taft, Philip A., to Lucas Industries, Public Limited Company. Pneumatically operated servo-booster. 4,794,844, 1-3-89, Cl. 91-376.00R.
Taft, Robert C.: *See—*
  Plummer, James D.; and Taft, Robert C., 4,825,269, Cl. 357-34.000.
Tafte, Althea P.: *See—*
  Hull, Harold L.; and Tafte, Althea P., 4,879,766, Cl. 2-101.000
Tag Investments, Inc.: *See—*
  Thacker, Derek A., 4,826,610, Cl. 252-8.000.
Taga Electric Co., Ltd.: *See—*
  Mishiro, Shoji, 4,812,697, Cl. 310-323.000.
  Mishiro, Shoji, 4,856,391, Cl. 82-137.000.
  Mishiro, Shoji, 4,864,904, Cl. 82-137.000.
Taga, Hideji, to Pilot Ink Co., Ltd. Thermally color-changing candleholder. 4,318,215, 4-4-89, Cl. 431-126.000.
Taga Manufacturing Co., Ltd.: *See—*
  Tsuchiya, Minoru, 4,809,917, Cl. 242-7.060.
Taga, Yasunori: *See—*
  Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, 4,813,768, Cl. 350-347.00R.
  Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, 4,874,664, Cl. 428-325.000.
  Ohwaki, Takeshi; and Taga, Yasunori, 4,855,176, Cl. 428-195.000.
Taga, Yukio, to Yoshida Kogyo K. K. Apparatus for assembling pairs of garment fastener elements. 4,799,611, 1-24-89, Cl. 227-18.000.
Taga, Yutaka; and Kashihara, Yuji, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control system for automatic transmission, incorporating fail safe and progressive creep control and hill hold control. 4,879,925, 11-14-89, Cl. 74-867.000.
Taga, Yutaka: *See—*
  Hamano, Yukio; Kubo, Seitoku; and Taga, Yutaka, 4,803,901, Cl. 74-867.000.
  Hamano, Yukio; Tomomatsu, Hideo; Izumi, Fumiaki; and Taga, Yutaka, 4,838,125, Cl. 74-866.000.
  Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, 4,858,500, Cl. 74-866.000.
  Kashihara, Yuji; Taga, Yutaka; and Kubo, Seitoku, 4,882,952, Cl. 74-867.000.
  Moroto, Shuzo; Sumiya, Koji; Sakaguchi, Yoshikazu; Kubo, Seitoku; and Taga, Yutaka, 4,854,195, Cl. 74-867.000.
  Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
  Sakaguchi, Yoshikazu; Taga, Yutaka; and Kashihara, Yuji, 4,840,092, Cl. 74-369.000.
Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuchi, Hiroyasu; and Ono, Mikiya, to Mitsubishi Mining and Cement Co., Ltd. Fiber glass mainly composed of calcium phosphate. 4,820,573, 4-11-89, Cl. 428-228.000.
Tagaki, Osamu: *See—*
  Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Tagaki, Osamu, 4,878,084, Cl. 355-27.000.
Tagaki, Toshio: *See—*
  Nagase, Kazuo; Tagaki, Toshio; Endo, Takayoshi; Murofushi, Satoru; and Yamamoto, Masayuki, 4,828,507, Cl. 439-206.000.
Tagami, Fujio: *See—*
  Mogi, Takao; Yuzawa, Keiji; Komiya, Yoshinori; Suematsu, Masayuki; and Tagami, Fujio, 4,843,289, Cl. 318-600.000.
Tagami, Shigeru: *See—*
  Nakagawa, Tadashi; Shinozaki, Nobuo; Tagami, Shigeru; and Seki, Youichi, 4,864,347, Cl. 354-439.000.
  Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl. 354-400.000.
  Shinozaki, Nobuo; Tagami, Shigeru; Tanaka, Masaki; and Niwa, Katauhito, 4,864,346, Cl. 354-439.000.
Tagami, Tomoyuki, to Sharp Kabushiki Kaisha. Memory having redundancy circuit 4,847,810, 7-11-89, Cl. 365-200.000.
Tagami, Tomoyuki: *See—*
  Tsunoda, Kazuhiko; Furuyama, Hiroyuki; Asakura, Toshimitsu; and Tagami, Tomoyuki, 4,805,716, Cl. 180-219.000.
Tagami, Yuichi: *See—*
  Yoshimura, Hiroshi; and Tagami, Yuichi, 4,807,336, Cl. 26-73.000.
Tagata, Shojiro, to JEOL Ltd. Instrument for analyzing specimen 4,857,731, 8-15-89, Cl. 250-310.000.
Tagawa, Hajime; and Yukinaga, Koji, to Kabushiki Kaisha Toshiba Image forming apparatus. 4,839,691, 6-13-89, Cl. 355-260.000.
Tagawa, Hiroaki: *See—*
  Furukawa, Minoru; Tagawa, Hiroaki; Hayano, Takeshi; and Ejima Akio, 4,833,242, Cl. 540-225.000.
Tagawa, Kenichi, to Nippon Seiko Kabushiki Kaisha. Clutch release bearing device. 4,874,073, 10-17-89, Cl. 192-98.000.
Tagawa, Koichi; Matsuzaki, Atsushi; Toyoshima, Masakatsu; and Kondo, Yoshiyuki, to Sony Corporation. Passenger service and entertainment system for supplying frequency-multiplexed video, audio, and television game software signals to passenger seat terminals. 4,866,515, 9-12-89, Cl. 358-86.000.
Tagawa, Norio, to NEC Corporation. Magnetic head slider loading mechanism for magnetic disk apparatus. 4,843,502, 6-27-89, Cl. 360-105.000.
Tagawa, Susumu: *See—*
  Ichigaya, Hiroshi; Tagawa, Susumu; Sugii, Yasuoshi; Ando, Masanori; Yamazaki, Jun; Kawada, Yasuo; Kinoshita, Tokuho; Shirahama, Toshio; Ito, Yoshinori; and Munemoto, Eiji, 4,798,992, Cl. 313-406.000.
Tagawa, Takao; Nukushina, Etsuzi; and Nakai, Yoshiyuki, to Sharp Kabushiki Kaisha. Corona discharging unit for use in copying machine. 4,835,571, 5-30-89, Cl. 355-225.000.
Tagawa, Takao: *See—*
  Morimoto, Kenichi; and Tagawa, Takao, 4,855,818, Cl. 358-75.000.
Tagawa, Takashi: *See—*
  Hattori, Shuzo; Tagawa, Takashi; and Asano, Motomu, 4,873,709, Cl. 378-142.000.
Tagawa, Toru: *See—*
  Hattori, Eiji; Tagawa, Toru; and Oguri, Yasuo, 4,865,829, Cl. 423-338.000.
Tagawa, Yuji: *See—*
  Tamura, Hisao; Tokumitsu, Shuichi; and Tagawa, Yuji, 4,796,951, Cl. 297-337.000.
Tagaya, Osamu: *See—*
  Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.
Tage, Yutaka: *See—*
  Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, 4,840,247, Cl. 180-249.000.
Tager, Lev R.: *See—*
  Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Resh Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
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  Nilsson, Mats; Tagesson, Bernt; and Novak, Ladislav, 4,872,506, Cl. 165-166.000.
Taggart, Douglas B.: *See—*
  Busse, Paul J.; and Taggart, Douglas B., 4,822,578, Cl. 423-245.300.
Taggart, Robert B., to Chaparral Communications. Drive system and filament for a twistable septum in a feedhorn. 4,829,313, 5-9-89, Cl. 343-756.000.

Taggi, Arthur J.: *See—*
  Blanchet-Fincher, Graciela B.; Benack, Kerin S.; and Taggi, Arthur J., 4,849,784, Cl. 355-274.000.
  Hardam, William M.; Schadt, Frank L., III; and Taggi, Arthur J., 4,810,624, Cl. 430-528.000.
Taghezout, Daho: *See—*
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Tagland New Zealand Limited: *See—*
  Gardner, Michael S., 4,819,639, Cl. 128-330.000.
Tagliabue, Pierluigi: *See—*
  Boioli, Roberto; and Tagliabue, Pierluigi, 4,851,996, Cl. 364-200.000.
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  Schneider, Heinz-Walter; Kummer, Rudolf; and Taglieber, Volker, 4,801,738, Cl. 560-177.000.
Tago, Koichi: *See—*
  Makita, Toshio; and Tago, Koichi, 4,857,027, Cl. 445-37.000.
Tago, Mamoru: *See—*
  Mine, Kazunori; Murakami, Keisuke; Tago, Mamoru; and Urata, Hiromasa, 4,839,514, Cl. 250-237.00R.
Tago, Masakazu: *See—*
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  Sakaki, Yasunori; and Tagomori, Tsutomu, 4,845,928, Cl. 53-589.000.
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Taguchi, Haruyoshi: *See—*
  Maeda, Shigeyoshi; Asai, Tsunetoshi; Asano, Hidejiro; and Taguchi, Haruyoshi, 4,877,664, Cl. 428-35.900.
Taguchi, Hiroaki: *See—*
  Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, 4,844,469, Cl. 273-186.00R.
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Taguchi, Hiromi; and Iwanaga, Kazuyoshi, to Nissan M[illegible]o., Ltd. Automatic transaxle for automotive vehicle. 4,8[illegible]-25-89, Cl. 74-606.00R.
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  Furuya, Osamu; and Taguchi, Hiromi, 4,860,860, Cl. 188-77.00R.
  Katoh, Hiroshi; Taguchi, Hiromi; and Kikunaga, Shoji, 4,890,177, Cl. 360-107.000.
  Uchiyama, Hirao; and Taguchi, Hiromi, 4,881,659, Cl. 220-319.000.
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  Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, 4,864,418, Cl. 358-296.000.
  Orikasa, Teruo; Sumi, Sigeo; and Taguchi, Hiroshi, 4,874,282, Cl. 414-416.000.
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  Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.
  Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.
Taguchi, Keiji: *See—*
  Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.
  Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.
Taguchi, Kenichi: *See—*
  Watanabe, Masataka; Ohhara, Nobuhiro; and Taguchi, Kenichi, 4,876,438, Cl. 219-497.000.
Taguchi, Kohei: *See—*
  Shinbori, Takeyoshi; Takadera, Ichiro; and Taguchi, Kohei, 4,880,213, Cl. 267-64.270.
Taguchi, Koji: *See—*
  Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.
  Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
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Taguchi, Masahiro: *See—*
  Onimaru, Sadahisa; Shimogawa, Toshiaki; Taguchi, Masahiro; and Kuwakado, Satosi, 4,802,706, Cl. 296-68.000.
  Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, 4,812,838, Cl. 340-825.060.
Taguchi, Masao, to Fujitsu Limited. Dynamic random access memory having trench capacitor with polysilicon lined lower electrode. 4,801,989, 1-31-89, Cl. 357-23.600.
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  Imamura, Kenichi; and Taguchi, Masao, 4,868,418, Cl. 307-362.000.
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  Koike, Takashi; and Taguchi, Michihiro, 4,813,896, Cl. 440-61.000.
Taguchi, Minoru: *See—*
  Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.
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Taguchi, Norikazu; Nishizaki, Hirozumi; Masui, Hisashi; and Ishizuka, Toshiyasu, to ASMO Co., Ltd. Stator of electric motor. 4,818,911, 4-4-89, Cl. 310-259.000.
Taguchi, Riyozo: *See—*
  Ishizaki, Hidetsurumaro; and Taguchi, Riyozo, 4,856,174, Cl. 29-455.100.
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Taguchi, Satoshi; and Tanaka, Toshihiko, to Sumitomo Chemical Company, Limited. Method for forming fine patterns of conjugated polymers. 4,816,383, 3-28-89, Cl. 430-322.000.
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  Okada, Toyokazu; Higashi, Koji; and Taguchi, Satoshi, 4,802,745, Cl. 350-397.000.
Taguchi, Seiichi: *See—*
  Fuchizawa, Tetsuro; Sano, Masaru; Taguchi, Seiichi; Shiba, Keisuke; and Ogawa, Tadashi, 4,851,327, Cl. 430-503.000.
  Ogawa, Tadashi; Takahashi, Koji; and Taguchi, Seiichi, 4,806,460, Cl. 430-504.000.
  Shiba, Keisuke; Ichijima, Seiji; Sakanoue, Kei; and Taguchi, Seiichi, 4,880,726, Cl. 430-376.000.
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  Takeda, Kanji; Taguchi, Seiji; Nakai, Toshikazu; and Kato, Haruo, 4,842,253, Cl. 266-44.000.
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  Sukimoto, Minobu; Arima, Haruo; Yamada, Toshiyuki; and Taguchi, Seijiro, 4,809,743, Cl. 137-561.00A.
  Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
  Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.
Taguchi, Shinji; and Tango, Hiroyuki. Semiconductor integrated circuit formed on an insulator substrate. 4,803,530, 2-7-89, Cl. 357-23.700.
Taguchi, Takehiko: *See—*
  Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, 4,880,318, Cl. 384-125.000.

Taguchi, Teruo: *See—*
  Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, 4,811,161, Cl. 361-302.000.
Taguchi, Tetsu, to NEC Corporation. Speech signal processor. 4,815,135, 3-21-89, Cl. 381-37.000.
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Taguchi, Tetsu, to NEC Corporation. Speech recognition system. 4,852,172, 7-25-89, Cl. 381-43.000.
Taguchi, Tetsu, to NEC Corporation. Encoder of a multi-pulse type capable of optimizing the number of excitation pulses and quantization level. 4,881,267, 11-14-89, Cl. 381-40.000.
Taguchi, Tetsuya: *See—*
  Konno, Akira; Taguchi, Tetsuya; and Yamaguchi, Takenobu, 4,888,193, Cl. 426-549.000.
Taguchi, Tomishige, to Canon Kabushiki Kaisha. Image processing apparatus for color correcting an image which can monitor the result of the color correction. 4,864,391, 9-5-89, Cl. 358-80.000.
Taguchi, Tomishige, to Canon Kabushiki Kaisha. Color image information transmitting and receiving system with color image signals including start signals for synchronizing storage. 4,868,643, 9-19-89, Cl. 358-78.000.
Taguchi, Tomishige: *See—*
  Sakata, Tsuguhide; Kimura, Norio; Taguchi, Tomishige; and Takei, Masahiro, 4,847,703, Cl. 360-48.000.
  Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, 4,878,131, Cl. 360-37.100.
  Takei, Masahiro; Sakata, Tsuguhide; Taguchi, Tomishige; and Kawasaki, Somei, 4,862,250, Cl. 358-12.000.
Taguchi, Toshimichi, to Sharp Kabushiki Kaisha. Printed circuit board. 4,803,308, 2-7-89, Cl. 174-68.500.
Taguchi, Tsunemasa; Kidoguchi, Isao; and Nanba, Hirokuni, to Sumitomo Electric Industries, Ltd.; and Production Engineering Assoc. Method for preparing single-crystal ZnSe. 4,866,007, 9-12-89, Cl. 437-108.000.
Taguchi, Yasunobu: *See—*
  Katsuyama, Tsutomu; Yoshida, Isao; Kanai, Toyoo; and Taguchi, Yasunobu, 4,870,698, Cl. 455-67.000.
Taguchi, Yoshinori; and Yamanami, Tsuguya, to Wacom Co., Ltd. Coordinate input device with display. 4,845,478, 7-4-89, Cl. 340-712.000.
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  Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, 4,832,144, Cl. 178-18.000.
Taguchi, Yoshio: *See—*
  Ikeda, Sadao; and Taguchi, Yoshio, 4,830,929, Cl. 428-542.800.
  Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, 4,806,388, Cl. 427-46.000.
  Nagase, Takashi; and Taguchi, Yoshio, 4,867,660, Cl. 425-4.00R.
Tague, Steven A.; and Woods, William E., to Honeywell Bull Inc. BCD arithmetic using binary arithmetic and logical operations. 4,799,181, 1-17-89, Cl. 364-736.000.
Tague, Steven A.: *See—*
  Lemay, Richard A.; Woods, William E.; and Tague, Steven A., 4,837,738, Cl. 364-900.000.
Taguti, Tatuhisa: *See—*
  Maruyama, Teruo; Abe, Yoshikazu; and Taguti, Tatuhisa, 4,815,944, Cl. 417-295.000.
Taha, Mohammad I. A.: *See—*
  Laine, Derek C.; and Taha, Mohammad I. A., 4,853,935, Cl. 372-32.000.
Taha, Riad A., to Colgate-Palmolive Company. Process for manufacturing particulate built nonionic synthetic organic detergent composition comprising polyacetal carboxylate and carbonate and bicarbonate builders. 4,853,259, 8-1-89, Cl. 427-221.000.
Taha, Sami H., to Preso Industries. Self-averaging pitot tube probe and method for measuring fluid flow. 4,823,615, 4-25-89, Cl. 73-861.660.
Tahara, Akinori: *See—*
  Enomoto, Hiromu; Yasuda, Yasushi; Shimauchi, Yoshiki; and Tahara, Akinori, 4,888,623, Cl. 357-15.000.
  Suzuki, Hirokazu; Tahara, Akinori; and Saito, Shinji, 4,810,908, Cl. 307-480.000.
Tahara, Hideo; Makihara, Novuo; and Ono, Hiroshi, to Nissan Motor Co., Ltd. Outboard propulsion unit supporting system. 4,889,507, 12-26-89, Cl. 440-61.000.
Tahara, Hideyuki: *See—*
  Tsubakimoto, Tsuneo; Tahara, Hideyuki; Kobayashi, Hiroya; Hirata, Tsuyoshi; and Ito, Hiroshi, 4,870,120, Cl. 524-5.000.
Tahara, Kazuo: *See—*
  Abukawa, Toshimi; Tahara, Kazuo; Takahashi, Noriyoshi; and Tomite, Toshio, 4,823,037, Cl. 310-230.000.
  Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
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  Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.
Tahara, Kazutoki; and Egawa, Toshihiko, to Shin-Etsu Polymer Co., Ltd. Heat-resistant anti-glare screen. 4,874,671, 10-17-89, Cl. 428-447.000.
Tahara, Kenji: *See—*
  Joukou, Isao; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,880,774, Cl. 512-2.000.
  Toda, Fumio; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, 4,818,771, Cl. 514-616.000.
Tahara, Kensuke; and Sakamoto, Hideo, to Seiko Electronic Components Ltd. Organic electrolyte cell. 4,804,597, 2-14-89, Cl. 429-197.000.
Tahara, Masato, to NEC Corporation. Digital demodulation system having independently operating cross-polarization cancellers. 4,857,858, 8-15-89, Cl. 329-50.000.
Tahara, Shigehiko: *See—*
  Takeuchi, Satoshi; Danjo, Koutaro; Tahara, Shigehiko; Yu, Yoshiharu; and Ikeda, Satoshi, 4,856,857, Cl. 350-3.600.
Tahara, Susumu: *See—*
  Matsushita, Souji; Shimizu, Setsuro; Takeuchi, Toru; and Tahara, Susumu, 4,828,619, Cl. 106-95.000.
Tahara, Syuji, to Fuji Photo Film Co., Ltd. Photographic printing method. 4,806,990, 2-21-89, Cl. 355-77.000.
Tahara, Syuji, to Fuji Photo Film Co., Ltd. Photographic printer making differently-sized prints. 4,837,602, 6-6-89, Cl. 355-29.000.
Tahara, Syuji; Sakamoto, Kiichiro; Oshikoshi, Yuji; and Takagi, Kunio, to Fuji Photo Film Co., Ltd. CRT printing apparatus for printing a composite image. 4,849,809, 7-18-89, Cl. 358-75.000.
Tahara, Takashi: *See—*
  Inkyo, Mitsugi; Tahara, Takashi; and Kitada, Yasutaka, 4,834,301, Cl. 241-33.000.
Tahara, Tetsuya; Moriwaki, Minoru; Abe, Masao; and Yuasa, Shuji, to Yoshitomi Pharmaceutical Industries Ltd. PAF-antagonistic thienotriazolodiazepine compounds and pharmaceutical uses thereof. 4,820,703, 4-11-89, Cl. 514-220.000.
Tahara, Tetsuya; Ikebe, Tsuguo; Hakamada, Ichiro; and Yaoka, Osamu, to Yoshitomi Pharmaceutical Industries, Ltd. 5-Hydroxyindole-3-carboxylic acid amide compounds, pharmaceutical compositions and use. 4,874,759, 10-17-89, Cl. 514-232.500.
Tahara, Tetsuya: *See—*
  Nakao, Toru; Kawakami, Minoru; Morimoto, Yasuto; Takehara, Shuzo; and Tahara, Tetsuya, 4,843,075, Cl. 514-248.000.
Tahara, Tomio, to Kamaya Kagaku Kogyo Co., Ltd. Compact cosmetic case. 4,799,503, 1-24-89, Cl. 220-260.000.
Tahara, Tomio: *See—*
  Nakamura, Toshiko; and Tahara, Tomio, 4,858,765, Cl. 206-581.000.
Tahara, Toshiro; and Iwasaki, Hideo, to Fuji Photo Film Co., Ltd. Apparatus for warming up automatic developing system. 4,837,713, 6-6-89, Cl. 364-525.000.
Tahara, Toshiro; and Takahashi, Mikio, to Fuji Photo Film Co., Ltd. Method of detecting remaining quantity of replenishing solution. 4,858,468, 8-22-89, Cl. 73-149.000.
Tahara, Toshiyuki: *See—*
  Taya, Takashi; and Tahara, Toshiyuki, 4,852,162, Cl. 379-413.000.
Tahara, Yasuteru: *See—*
  Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, 4,798,445, Cl. 350-96.340.
Tahara, Yoshinori, to Mei San Co., Ltd. Apparatus for controlling tension of a sheet. 4,844,371, 7-4-89, Cl. 242-75.440.
Tahara, Yoshinori, to Meisan Co., Ltd. Slitter holder having clamping mechanism for slitter blade support rod. 4,876,933, 10-31-89, Cl. 83-482.000.
Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, to Nisshin Flour Milling Co., Ltd. Interferon inducing, anti-vaccinia, and/or anti-influenza compositions. 4,857,529, 8-15-89, Cl. 514-255.000.
Tahara, Yoshiyuki: *See—*
  Uekama, Kaneto; Tahara, Yoshiyuki; Ijitsu, Takanori; and Yamada, Tadashi, 4,869,904, Cl. 424-400.000.
Taheri, Syde A. Prosthetic valve for a blood vein and an associated method of implantation of the valve. 4,851,001, 7-25-89, Cl. 623-2.000.
Taheri, Syde A. Method and apparatus for transarterial aortic graft insertion and implantation. 4,872,874, 10-10-89, Cl. 623-1.000.
Tai, Akira: *See—*
  Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.
Tai, Henry T. H.: *See—*
  Rissman, Owen R.; and Tai, Henry T. H., 4,802,879, Cl. 446-175.000.
Tai, Ho T., to Lever Brothers Company. Laundry detergents containing fabric-softening clays between 150 and 2000 microns in size. 4,885,101, 12-5-89, Cl. 252-8.600.
Tai, Hsin-Fen. Assembled mattress having bellows for jacketing spring therein. 4,868,941, 9-26-89, Cl. 5-477.000.
Tai, Jy-Der; and Chiu, Edison, to Texas Instruments Incorporated. Fast real-time arbiter. 4,815,039, 3-21-89, Cl. 365-189.000.
Tai, Jy-Der: *See—*
  Chiu, Edison H.; Tai, Jy-Der; and Hsu, Te-Chuan, 4,837,743, Cl. 371-51.000.

Tai, Kuochou: *See—*
  Greene, Benjamin I.; Tai, Kuochou; and Thakur, Mrinal, 4,871,235, Cl. 350-354.000.
Tai, Masaru: *See—*
  Sasaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Seikawa, Isamu, 4,879,381, Cl. 540-222.000.
Tai, Matthias: *See—*
  Shu, Chi-Yao, 4,856,296, Cl. 62-430.000.
Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, to Hitachi Chemical Co., Ltd. 5- or 6-alkoxycarbonyl-2,3-dicyanonaphthalenes. 4,833,264, 5-23-89, Cl. 558-416.000.
Tai, Seiji; Hayashida, Shigeru; and Hayashi, Nobuyuki, to Hitachi Chemical Co., Ltd. Electrophotographic plate containing a naphthalocyanine compound. 4,842,970, 6-27-89, Cl. 430-58.000.
Tai, Seiji: *See—*
  Hayashida, Shigeru; Tai, Seiji; Hayashi, Nobuyuki; Iwakabe, Yasushi; Kinjo, Noriyuki; and Numata, Shunichi, 4,886,721, Cl. 430-59.000.
Tai-Seng, Taw. Lock set proof against prize up. 4,838,061, 6-13-89, Cl. 70-493.900.
Tai Yu Enterprise Co., Ltd.: *See—*
  Lin, Chia-Hui, 4,877,045, Cl. 135-20.00M.
Taichi, Yoshio: *See—*
  Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimori, Norimi; and Yoshida, Kasumi, 4,827,966, Cl. 137-115.000.
Taig, Alistair G.; Jackson, Robert W.; and DeHays, Richard N., to Allied-Signal Inc. Electrically operated disc brake with back-off protector. 4,804,073, 2-14-89, Cl. 188-72.100.
Taig, Alistair G., to Allied-Signal Inc. Electrically operated disc brakes. 4,836,338, 6-6-89, Cl. 188-72.100.
Taig, Alistair G., to Allied-Signal Inc. Electrically actuated disc brake. 4,850,457, 7-25-89, Cl. 188-72.100.
Taig, Alistair G., to Allied-Signal Inc. Electrically actuated cable. 4,865,165, 9-12-89, Cl. 188-156.000.
Taig, Alistair G., to Allied-Signal Inc. One-way clutch preventing back drive of reversible motor. 4,877,113, 10-31-89, Cl. 188-82.840.
Taig, Alistair G.: *See—*
  Johannesen, Donald D.; and Taig, Alistair G., 4,850,459, Cl. 188-156.000.
Taihan Electric Wire Co., Ltd.: *See—*
  Lee, Byoung J., 4,811,368, Cl. 377-19.000.
Taihei Chemical Industrial Co., Ltd.: *See—*
  Eguchi, Kiyohisa; Kitamura, Norio; Okamura, Terumasa; and Ohta, Jouji, 4,834,891, Cl. 252-28.000.
Taihei Machinery Works, Ltd.: *See—*
  Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; and Yamamoto, Chuji, 4,846,925, Cl. 156-583.100.
  Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
Taiho Industries Co., Ltd.: *See—*
  Ohara, Sosaburo; Ikeda, Atsushi; Shinohara, Seigo; and Kijima, Tetsuo, 4,880,557, Cl. 252-174.150.
Taiho Kogyo Co., Ltd.: *See—*
  Fukuoka, Tatsuhiko; and Suzuki, Takashi, 4,878,768, Cl. 384-279.000.
  Jinno, Osamu; and Fukuoka, Tatsuhiko, 4,877,813, Cl. 525-146.000.
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,806,308, Cl. 420-530.000.
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,818,487, Cl. 420-530.000.
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,822,561, Cl. 420-530.000.
  Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,869,871, Cl. 420-559.000.
  Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.
  Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.
  Suzuki, Osamu; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,830,777, Cl. 252-511.000.
Taiho Pharmaceutical Company, Limited: *See—*
  Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.
  Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.
  Eshima, Kiyoshi; Ogawa, Kazuo; and Kaneko, Shigeru, 4,870,078, Cl. 514-255.000.
  Fujii, Setsuro; Ogawa, Kazuo; Hamakawa, Toshihiro; and Muranaka, Yoshiyuki, 4,797,502, Cl. 558-52.000.
  Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Takeda, Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Unemi, Norio, 4,886,877, Cl. 536-23.000.
  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
Taihosangyo Co., Ltd.: *See—*
  Kagawa, Yoshihiro; and Hori, Keimitsu, 4,855,083, Cl. 252-632.000.
Taiji, Shimakawa: *See—*
  Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayashi, Shigetoyo; and Yamamoto, Hiroki, 4,838,969, Cl. 156-160.000.
Taikisha Ltd.: *See—*
  Morioka, Koji; and Watanabe, Makoto, 4,818,388, Cl. 210-167.000.
  Morioka, Koji; and Yoshida, Susumu, 4,848,215, Cl. 98-115.200.
  Okuda, Masaharu; and Kawatoko, Toraji, 4,864,965, Cl. 118-323.000.
Tailhades, Philippe: *See—*
  Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Manoux, Alain; and Tailhades, Philippe, 4,803,291, Cl. 556-31.000.
  Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Gougeon, Michel; and Tailhades, Philippe, 4,808,327, Cl. 252-62.560.
Taillades, Jacques R.: *See—*
  Commeyras, Auguste A.; Taillades, Jacques R.; Brugidou, Jean; Sola, Regine; Previero, Aldo; Mion, Louis; Pascal, Robert J.; Lasperas, Monique; and Rousset, Alain, 4,851,576, Cl. 564-126.000.
Taillani, Jean-Claude C.: *See—*
  Pham, Lucien; and Taillani, Jean-Claude C., 4,884,903, Cl. 384-563.000.
Taillebois, Jacques: *See—*
  Perrot, Jean-Claude; and Taillebois, Jacques, 4,835,382, Cl. 250-231.0SE.
Taillefert, Raymond; and Philibert, Jean-Claude, to Automobiles Peugeot; and Automobiles Citroen. Method of making a facing panel. 4,810,452, 3-7-89, Cl. 264-247.000.
Taillet, Joseph: *See—*
  Larigaldie, Serge; and Taillet, Joseph, 4,864,459, Cl. 361-216.000.
Taillie, Joseph P.: *See—*
  Seachman, Ned J.; Taillie, Joseph P.; and Dir, Gary A., 4,877,310, Cl. 350-347.00E.
Tailliet, Francois; and Kowalski, Jacek, to SGS-Thomson Microelectronics, S.p.A. Integrated circuit protected against electrostatic discharges, with variable protection threshold. 4,890,187, 12-26-89, Cl. 361-111.000.
Taima, Hajime, to Nifco Inc. Hinge device with transverse slots. 4,841,601, 6-27-89, Cl. 16-361.000.
Tair Chen Co., Ltd.: *See—*
  Wang, Reid, 4,794,692, Cl. 30-123.000.
Taira, Kazuo: *See—*
  Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiroshi, 4,863,063, Cl. 220-458.000.
  Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Imatani, Tsuneo; and Kurashima, Hideo, 4,858,782, Cl. 220-458.000.
Taira, Susumu: *See—*
  Kushida, Takeo; Taira, Susumu; Nagasaki, Wataru; Muramatsu, Hajime; and Sakakibara, Toshikazu, 4,843,877, Cl. 73-517.00R.
Taira, Toshio: *See—*
  Yoshizato, Katsutoshi; Taira, Toshio; and Miyata, Teruo, 4,883,487, Cl. 623-15.000.
Taisei Corporation: *See—*
  Ueda, Kouhei, 4,796,673, Cl. 138-97.000.
  Ueda, Kouhei, 4,830,538, Cl. 405-184.000.
Taisei Road Construction Co., Ltd.: *See—*
  Sasaki, Hideo, 4,802,139, Cl. 366-16.000.
Taisha, Akira: *See—*
  Kawabata, Takeo; and Taisha, Akira, 4,801,713, Cl. 546-151.000.
  Kawabata, Takeo; Miyashita, Masahiko; and Taisha, Akira, 4,889,934, Cl. 546-151.000.
Taishi Foods Company Ltd.: *See—*
  Yan, Huang Y.; and Peng, Wang D., 4,806,481, Cl. 435-253.400.
Taisho Pharmaceutical Co., Ltd.: *See—*
  Ikekawa, Nobuo, 4,832,875, Cl. 260-397.200.
  Ikekawa, Nobuo, 4,868,165, Cl. 514-167.000.
  Kawashima, Yutaka; Satoh, Masakazu; Hatada, Yuichi; Hazato, Fumiko; Nakashima, Yoshimoto; and Sota, Kaoru, 4,803,266, Cl. 540-200.000.
  Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
  Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.
  Nakatsuka, Shin-ichi; Hayashi, Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, 4,883,876, Cl. 546-51.000.
  Shi-jie, Gu, 4,868,207, Cl. 514-464.000.
  Takashima, Yasuji; Koyama, Ikuo; Maki, Tooru; and Nakamori, Katsu, 4,853,249, Cl. 427-3.000.
  Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.
  Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.
  Yoshikawa, Kensei; Ohuchi, Yutaka; Sekiuchi, Kazuto; Saito, Shiuji; Hatayama, Katsuo; and Sota, Kaoru, 4,885,367, Cl. 546-216.000.
Taisuke, Irie; Junichi, Kotegawa; Koichi, Watanabe; and Satoshi, Hukuda, to Nisshin Steel Co., Ltd. Plated steel sheet having excellent coating performance. 4,835,066, 5-30-89, Cl. 428-659.000.
Tait, Robert E.: *See—*
  Kotikovsky, Alexander P.; and Tait, Robert E., 4,878,272, Cl. 24-196.000.

- Taivalkoski, Amy L.; and Kadonoff, Mark B., to Denning Mobile Robotics, Inc. Node map system and method for vehicle. 4,821,192, 4-11-89, Cl. 364-424.020.
- Taiwan Silver Star Industrial Co., Ltd.: *See—*
  - Lu, Jau T., 4,846,027, Cl. 81-57.300.
- Taiwan Styrene Monomer Corporation: *See—*
  - Wang, I. Kai; Lee, Biing-Jye; and Chen, M. H., 4,849,386, Cl. 502-62.000.
- Taiyo Fishery Co., Ltd.: *See—*
  - Itou, Noriko, 4,814,194, Cl. 426-549.000.
  - Sasamoto, Yasuhiko; Kammuri, Youichi; Sawa, Kiyohiko; Araki, Masami; Morimoto, Shizuya; Mitsui, Fumio; and Miyazaki, Nobuyoshi, 4,816,278, Cl. 426-513.000.
  - Sasamoto, Yasuhiko; Hasegawa, Shusaku; and Okazaki, Atsushi, 4,889,742, Cl. 426-643.000.
- Taiyo Kogyo Co., Ltd.: *See—*
  - Suto, Shohei, 4,816,795, Cl. 335-272.000.
- Taiyo Pharmaceutical Industry Co., Ltd.: *See—*
  - Nakaoku, Shozo; Imai, Eiji; Oshika, Yasuhiro; and Ohira, Kazuo, 4,826,840, Cl. 514-218.000.
  - Nakaoku, Shozo; Sakuma, Kazuhiko; Oshika, Yasuhiro; and Ohira, Kazuo, 4,876,345, Cl. 544-379.000.
- Taiyo Yuden Co., Ltd.: *See—*
  - Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,130, Cl. 361-321.000.
  - Chazono, Hirokazu; Oshio, Minoru; Murai, Shunji; and Kishi, Hiroshi, 4,809,131, Cl. 361-321.000.
  - Fukushima, Hiroshi; and Fukai, Kikuji, 4,868,979, Cl. 29-840.000.
- Taji, Ryoichi; and Imori, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Armature of a.c. generator for a car and method of manufacturing the same. 4,857,787, 8-15-89, Cl. 310-180.000.
- Taji, Satoru, to Ricoh Company, Ltd. Method for manufacturing a mosic having self-aligned contact holes. 4,810,666, 3-7-89, Cl. 437-030.000.
- Tajika, Hiroshi: *See—*
  - Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,840,303, Cl. 228-164.000.
  - Fujii, Mamoru; Noda, Kazuo; Nagasaka, Shoji; Tajika, Hiroshi; and Ono, Koji, 4,854,493, Cl. 228-5.700.
  - Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika, Hiroshi; and Hosoi, Atsushi, 4,887,131, Cl. 355-253.000.
  - Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi, and Kinoshita, Masahide, 4,873,551, Cl. 355-251.000.
  - Tajima, Hatsuo; Kubo, Takahiro; and Tajika, Hiroshi, 4,876,574, Cl. 355-253.000.
- Tajika, Nobuji, to Fujitsu Limited. Circuit for detecting plural kinds of multi-frame synchronization on a digital transmission line. 4,811,367, 3-7-89, Cl. 375-116.000.
- Tajima, Akio; and Tada, Satoshi, to Seikosha Co., Ltd. Pin belt type paper tractor. 4,807,792, 2-28-89, Cl. 226-74.000.
- Tajima, Akio: *See—*
  - Sato, Hiroyuki; and Tajima, Akio, 4,859,101, Cl. 400-719.000.
- Tajima, Eiichi: *See—*
  - Nagata, Hideyuki; Kidokoro, Susumu; Morota, Masao; and Tajima, Eiichi, 4,844,757, Cl. 156-62.000.
- Tajima, Eiji: *See—*
  - Miyazawa, Akiyasu; Harada, Mineo; Tajima, Eiji; and Abe, Takao, 4,802,776, Cl. 400-124.000.
- Tajima, Fumio: *See—*
  - Endo, Tunehiro; Kato, Nobuaki; Iizuka, Kenichi; and Tajima, Fumio, 4,879,502, Cl. 318-723.000.
  - Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.
- Tajima, Hatsuo; Hosoi, Atsushi; Hoshika, Norihisa; Tajika, Hiroshi; and Kinoshita, Masahide, to Canon Kabushiki Kaisha. Developing apparatus using magnetic carrier under AC field. 4,873,551, 10-10-89, Cl. 355-251.000.
- Tajima, Hatsuo; Kubo, Takahiro; and Tajika, Hiroshi, to Canon Kabushiki Kaisha. Developing apparatus. 4,876,574, 10-24-89, Cl. 355-253.000.
- Tajima, Hatsuo: *See—*
  - Hosoi, Atsushi; and Tajima, Hatsuo, 4,838,200, Cl. 118-658.000.
  - Kinoshita, Masahide; Tajima, Hatsuo; Hoshika, Norihisa; Tajika, Hiroshi; and Hosoi, Atsushi, 4,887,131, Cl. 355-253.000.
- Tajima, Hidemi: *See—*
  - Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, 4,871,230, Cl. 350-96.340.
- Tajima, Hiroki: *See—*
  - Hashimoto, Yoshio; and Tajima, Hiroki, 4,820,005, Cl. 350-6.800.
- Tajima, Ichiro: *See—*
  - [illegible], Masayasu; and Tajima, Ichiro, 4,885,218, Cl. 429-53.000.
- Tajima, Ikuo, to Tokai Industrial Sewing Machine Co., Ltd. Embroidery machine for sewing spangles on fabrics. 4,848,253, 7-18-89, Cl. 112-99.000.
- Tajima, Johji, to NEC Corporation. Apparatus for identifying postage stamps. 4,797,937, 1-10-89, Cl. 382-1.000.
- Tajima, Johji, to NEC Corporation. Simplified calibration for a distance information obtaining device. 4,864,395, 9-5-89, Cl. 358-107.000.
- Tajima, Katsunori: *See—*
  - Nakasaki, Eiji; Tajima, Katsunori; Igarashi, Yasuo; and Sakakibara, Hiroto, 4,869,336, Cl. 180-196.000.
- Tajima, Kenji; and Arai, Noboru, to Fuji Photo Film Co., Ltd. Sheet film package and method and device for loading sheet film. 4,799,591, 1-24-89, Cl. 206-455.000.
- Tajima, Kenji; Nishina, Takao; and Nishikawa, Kazunori, to Adeka Argus Chemical Co., Ltd. Hindered phenol amides. 4,822,522, 4-18-89, Cl. 252-400.240.
- Tajima, Kenji; and Kushima, Hiroshi, to Fuji Photo Film Co., Ltd. Sheet feeding mechanism. 4,848,764, 7-18-89, Cl. 271-90.000.
- Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, to Fuji Photo Film Co., Ltd. Sheet film package and device for loading sheet films. 4,853,724, 8-1-89, Cl. 354-277.000.
- Tajima, Kenji; Kushima, Hiroshi; and Yamada, Sadami, to Fuji Photo Film Co., Ltd. Film package and device for loading films. 4,860,042, 8-22-89, Cl. 354-277.000.
- Tajima, Kenji, to Fuji Photo Film Co., Ltd. Sheet film package. 4,876,706, 10-24-89, Cl. 378-174.000.
- Tajima, Kenji; Tsuboi, Tetsuo; and Arata, Ryozo, to Adeka Argus Chemical Co., Ltd. Bis(2,6-dis-tert-butyl-4-branched propyl or butyl phenyl)-pentaerythritol spiro phosphites and synthetic resin compositions containing such phosphites. 4,888,371, 12-19-89, Cl. 524-120.000.
- Tajima, Kenji: *See—*
  - Akao, Mutsuo; and Tajima, Kenji, 4,828,106, Cl. 206-316.000.
- Tajima, Kunio: *See—*
  - Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, 4,830,693, Cl. 156-132.000.
- Tajima, Kyousuke; Itoi, Goro; and Sorimachi, Mitsuo, to Hosiden Electronics Co., Ltd. Connector assembly. 4,838,815, 6-13-89, Cl. 439-841.000.
- Tajima, Kyousuke, to Hosiden Electronics Co., Ltd. Connector socket with a switch. 4,885,438, 12-5-89, Cl. 200-51.090.
- Tajima, Masamichi: *See—*
  - Yoshikawa, Akihisa; Tajima, Masamichi; Watanabe Kunio; and Sato, Toshiharu, 4,889,036, Cl. 91-403.000.
- Tajima, Masao, to Kabushiki Kaisha Toritsu Industry. Sanitary rubber composition or article. 4,833,206, 5-23-89, Cl. 325-187.000.
- Tajima, Masao, to Kabushiki Kaisha Toritsu Industry. Sanitary rubber composition or article. 4,839,429, 6-13-89, Cl. 525-232.000.
- Tajima, Noriyasu; Michio, Suzuki; and Mihara, Hidemi, to Tokyo Electric Co., Ltd. Apparatus for processing contents of totalizing memories in electronic balance assembly. 4,888,700, 12-19-89, Cl. 364-466.000.
- Tajima Oyo Kako Kabushiki Kaisha: *See—*
  - Nagata, Hideyuki; Kidokoro, Susumu; Morota, Masao; and Tajima, Eiichi, 4,844,757, Cl. 156-62.000.
- Tajima, Ryohei: *See—*
  - Nagamoto, Itsushi; Nakanishi, Tatsuo; and Tajima, Ryohei, 4,824,116, Cl. 273-171.000.
- Tajima, Shigeru: *See—*
  - Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.
- Tajima, Shoji; Kadomatsu, Yasuo; Miyazaki, Yoshio; Sakurai, Michikazu; and Anze, Kimio, to Ricoh Co., Ltd. Developer carrier. 4,860,417, 8-29-89, Cl. 29-130.000.
- Tajima, Sigeru: *See—*
  - Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, 4,797,400, Cl. 514-255.000.
- Tajima, Takeharu: *See—*
  - Hishinuma, Toshio; Katsuta, Atsushi; and Tajima, Takeharu, 4,812,932, Cl. 360-97.010.
- Tajima, Tetsuo: *See—*
  - Horigome, Shinkichi; Niihara, Toshio; Ohta, Norio; Sugita, Yutaka; Miyamura, Yoshinori; Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,889,757, Cl. 428-64.000.
  - Sudo, Ryoichi; Miwa, Hiroaki; and Tajima, Tetsuo, 4,812,346, Cl. 428-65.000.
  - Sudo, Ryoichi; Miwa, Hiroaki; Tajima, Tetsuo; and Horigome, Shinkichi, 4,835,027, Cl. 428-64.000.
- Tajima, Tomoaki: *See—*
  - Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yasawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.
- Tajima, Tomoyuki, to Koken Co., Ltd.; Oishi, Tadakatsu; Nagase, Youichiro; and Yamaguchi, Hisao. Agent for inhibiting proliferation of human malignant tumor cells. 4,810,495, 3-7-89, Cl. 424-95.000.
- Tajima, Toshio: *See—*
  - Minematu, Yoiti; Tajima, Toshio; and Nakajima, Shigeharu, 4,859,903, Cl. 313-487.000.
- Tajima, Toshitsugu: *See—*
  - Kitamura, Fumio; and Tajima, Toshitsugu, 4,866,366, Cl. 323-247.000.
- Tajima, Tsutomu; and Hamanaka, Toru, to NEC Corporation. Driver circuit for driving a light emitting element by superimposing an analog sub-information signal over a digital main signal. 4,864,649, 9-5-89, Cl. 455-608.000.
- Tajima, Yo: *See—*
  - Miyamoto, Seiichi; Hanatani, Masaru; and Tajima, Yo, 4,829,374, Cl. 358-93.000.
  - Urashima, Kazuhiro; Watanabe, Masakazu; Tajima, Yo; and Nakanishi, Kenji, 4,880,756, Cl. 501-97.000.
- Tajima, Yoshimitsu; Mohri, Motoo; and Tanaka, Hideaki, to Sharp Kabushiki Kaisha. Secondary battery using nonaqueous electrolytes. 4,835,075, 5-30-89, Cl. 429-194.000.
- Tajima, Yoshimitsu: *See—*
  - Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.
  - Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.
- Tajima, Yoshio; Nomiyama, Kazutosi; Shimo, Yoshiyuki; Kuroda, Nobuyuki; and Matsuura, Kazuo, to Nippon Oil Co., Ltd. Polyethylene composition. 4,835,219, 5-30-89, Cl. 525-240.000.
- Tajima, Yukitoshi; Sakamoto, Hiromitsu; and Horiguchi, Nagisa, to Victor Company of Japan, Ltd. Packaging of information recording media. 4,826,005, 5-2-89, Cl. 206-310.000.
- Tajiri, Hiromitsu; Nishiguchi, Yasuo; and Matsuyama, Chiaki, to Kyocera Corporation. Reading apparatus with improved performance. 4,797,561, 1-10-89, Cl. 250-578.000.
- Tajiri, Koji: *See—*
  - White, William C.; Yamahara, Yukio; and Tajiri, Koji, 4,835,019, Cl. 427-387.000.
- Tajiri, Noriyuki: *See—*
  - Funato, Ryo; Kubo, Shinji; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,849,495, Cl. 528-194.000.
  - Kubo, Shinji; Funato, Ryo; Tajiri, Noriyuki; Ito, Hirokazu; and Iwasaki, Hitoshi, 4,866,158, Cl. 528-272.000.
  - Sugimori, Teruhiko; Tajiri, Noriyuki; Suzuki, Fumio; Habara, Hideaki; Fukuda, Yutaro; and Sato, Haruki, 4,880,877, Cl. 525-84.000.
- Tak, Seung W. Portable container assembly for containing golf accessories. 4,875,579, 10-24-89, Cl. 206-315.100.
- Taka, Hideo, to Canon Kabushiki Kaisha. Reset pulse generating device. 4,886,983, 12-12-89, Cl. 307-272.300.
- Taka, Shin-ichi; and Ohshima, Jiro, to Kabushiki Kaisha Toshiba. Method of manufacturing semiconductor integrated circuit device having transistor. 4,853,342, 8-1-89, Cl. 437-31.000.
- Taka, Shin-ichi; and Ohshima, Jiro, to Kabushiki Kaisha Toshiba. Method of manufacturing bipolar transistor with self-aligned external base and emitter regions. 4,871,685, 10-3-89, Cl. 437-33.000.
- Takaba, Michioki: *See—*
  - Fukuoka, Yoshioki; Hamajima, Kazuo; Takaba, Michioki; Suzuki, Yoshimi; Seki, Shinpei; Kinoshita, Katsunori; and Mizuno, Akihiro, 4,867,299, Cl. 198-435.000.
- Takaba, Yosuke, to Tamagawa Seiki Kabushiki Kaisha. Brushless DC motor. 4,839,552, 6-13-89, Cl. 310-268.000.
- Takabatake, Hikaru: *See—*
  - Saito, Tatsuhiko; Takabatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, 4,828,395, Cl. 366-143.000.
- Takabatake, Junichi: *See—*
  - Awano, Yoji; Shimizu, Yoshihiro; and Takabatake, Junichi, 4,808,374, Cl. 420-537.000.
- Takabatake, Mitsuo: *See—*
  - Kawakami, Keiichi; Takabatake, Mitsuo; and Chiba, Jiro, 4,883,705, Cl. 428-209.000.
- Takabayashi, Hirofumi: *See—*
  - Miyamoto, Toshinobu; Sakurai, Hideya; and Takabayashi, Hirofumi, 4,818,966, Cl. 335-296.000.
- Takabayashi, Naoki: *See—*
  - Kobayashi, Kazuhiro; Kurematsu, Masayuki; Koboshi, Shigeharu; Goto, Nobutaka; and Takabayashi, Naoki, 4,874,530, Cl. 210-718.000.
- Takabayashi, Osamu, to Yamaha Corporation. Dither circuit having dither level changing function. 4,857,927, 8-15-89, Cl. 341-131.000.
- Takabayashi, Seiichiro: *See—*
  - Kunimoto, Akihiro; Takabayashi Seiichiro; and Matsui, Yuji, 4,797,307, Cl. 427-386.000.
- Takabayashi, Seiichirou: *See—*
  - Kunimoto, Akihiro; Takabayashi, Seiichirou; Nakamura, Morio; and Maeda, Tatuaki, 4,810,419, Cl. 252-511.000.
- Takabayashi, Yasuhiro, to Fuji Electric Co., Ltd. Generator system utilizing a fuel cell. 4,839,246, 6-13-89, Cl. 429-12.000.
- Takabayashi, Yasuhiro, to Fuji Electric Co., Ltd. Generator system utilizing a fuel cell. 4,839,574, 6-13-89, Cl. 320-3.000.
- Takabayashi, Yutaka: *See—*
  - Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
- Takabe, Tatsuo: *See—*
  - Hirahara, Hideaki; Takabe, Tatsuo; Ishida, Kazuya; Saijo, Hiromitsu; Matsuda, Shinya; and Komura, Masaru, 4,814,820, Cl. 355-300.000.
- Takach, Eugene J., Jr.; and Culp, Charles H., to Honeywell Inc. Portable computer system and stand for use therewith. 4,830,328, 5-16-89, Cl. 248-639.000.
- Takacs, Dezso : *See—*
  - Winnerl, Josef; and Takacs, Dezso , 4,807,010, Cl. 357-42.000.
  - Winnerl, Josef; and Takacs, Dezso , 4,873,668, Cl. 365-189.090.
- Takacs, Kalman; Ajzert, Ilona K.; Kellner, Katalin M.; Fleischer, Judit; Puskas, Mariann E.; and Rimai, Jozsef, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Process for the preparation of 3,4-dihydroisoquinoline. 4,861,888, 8-29-89, Cl. 546-150.000.
- Takacs, Mark A.: *See—*
  - Araps, Constance J.; Kandetzke, Steven M.; and Takacs, Mark A., 4,871,619, Cl. 428-473.500.
- Takacs, Marta: *See—*
  - Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, 4,806,278, Cl. 252-631.000.
- Takacs, Peter Z.; and Qian, Shi-Nan. Surface profiling interferometer. 4,884,697, 12-5-89, Cl. 356-360.000.
- Takacs, Tibor: *See—*
  - Resli, Istvan; Takacs, Tibor; Damjanovich, Sandor; Gaspar, Rezso; Tron, Lajos; Szollosi, Janos; and Matko, Janos, 4,880,732, Cl. 435-29.000.
- Takada, Haruhiko: *See—*
  - Shibuya, Tsuneori; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, 4,810,177, Cl. 418-76.000.
- Takada, Hashime: *See—*
  - Minematsu, Nobuo; Karahashi, Masao; Ota, Munekatsu; Matsumae, Koyo; and Takada, Hashime, 4,833,312, Cl. 235-379.000.
- Takada, Hideaki: *See—*
  - Inohana, Haruyuki; Takaoka, Saburo; and Takada, Hideaki, 4,890,170, Cl. 360-65.000.
- Takada, Hiromi; Shimazaki, Toshio; Okamoto, Keiji; and Aoki, Hideo, to Ricoh Company, Limited. Compact image recording apparatus having an up-side down structure. 4,796,037, 1-3-89, Cl. 346-160.100.
- Takada, Hiromi: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
- Takada, Hiroshi, to Sharp Kabushiki Kaisha. World timepiece. 4,887,251, 12-12-89, Cl. 368-21.000.
- Takada, Hisashi; and Nishie, Mitsuaki, to Sumitomo Electric industries, Ltd. Luminous element and driving circuit. 4,864,193, 9-5-89, Cl. 315-71.000.
- Takada, Ikuko, to Kabushiki Kaisha Toshiba. Data transmission method and data transmission system free from local traffic jam. 4,878,218, 10-31-89, Cl. 370-94.000.
- Takada, Juichiro. Pressure regulation device for vehicle safety air bag. 4,805,930, 2-21-89, Cl. 280-739.000.
- Takada, Juichiro. Seat belt retractor. 4,809,925, 3-7-89, Cl. 242-107.000.
- Takada, Juichiro. Emergency locking seat belt retractor with automatic locking mechanism. 4,811,912, 3-14-89, Cl. 242-107.40B.
- Takada, Juichiro, to Takata Corporation. Anchoring device for seat belt. 4,834,427, 5-30-89, Cl. 280-808.000.
- Takada, Juichiro, to Takata Corporation. Anchoring device for seat belt. 4,861,071, 8-29-89, Cl. 280-808.000.
- Takada, Juichiro. Guide device for the drive tape of an automatic seat belt system. 4,872,602, 10-10-89, Cl. 226-196.000.
- Takada, Juichiro. Drive device for vehicle passive safety belt. 4,881,757, 11-21-89, Cl. 280-804.000.
- Takada, Jun, to Kanegafuchi Chemical Industry Company, Limited. Optical storage apparatus including a reversible, doping modulated, multilayer, amorphous element. 4,855,950, 8-8-89, Cl. 365-113.000.
- Takada, Katsuhiro; and Yamanashi, Takanori, to Olympus Optical Co., Ltd. Compact zoom lens system with a high zooming ratio. 4,840,467, 6-20-89, Cl. 350-427.000.
- Takada, Katsuhiro, to Olympus Optical Co., Ltd. Microscope objective. 4,880,298, 11-14-89, Cl. 350-414.000.
- Takada, Kazuyuki: *See—*
  - Ashizaki, Yoshihiro; and Takada, Kazuyuki, 4,831,344, Cl. 332-9.00T.
- Takada, Keiji; Okumura, Masahide; Fukuhara, Satoru; Morimura, Toshiyuki; Hosaka, Sumio; and Hosoki, Shigeyuki, to Hitachi, Ltd. Piezoelectric actuator control apparatus. 4,841,191, 6-20-89, Cl. 310-317.000.
- Takada, Keisuke; and Mizutani, Masamichi, to Tokyo Shibaura Denki Kabushiki Kaisha. Digital controller display. 4,823,254, 4-18-89, Cl. 364-188.000.
- Takada, Kenji: *See—*
  - Shibata, Yoshitaka; Tsuji, Sadafusa; and Takada, Kenji, 4,827,118, Cl. 250-211.00J.
- Takada, Koichiro, to Nordson Corporation. Powder spraying or scattering apparatus and method. 4,800,102, 1-24-89, Cl. 427-197.000.
- Takada, Koji; Magara, Kenji; and Nishiyama, Yuzuru, to Chuo Precision Industrial Co., Ltd. Device for measuring rectilinear motion. 4,847,511, 7-11-89, Cl. 250-561.000.
- Takada, Koji; Miyata, Masaya; and Tamura, Isojiro, to Katsukawa Micarome Industrial Co. Ltd. Method of performing industrial low hydrogen embrittlement nickel plating by use of an insoluble anode. 4,859,291, 8-22-89, Cl. 204-49.000.
- Takada, Kunio: *See—*
  - Takahashi, Kimio; Saito, Norihisa; and Takada, Kunio, 4,826,271, Cl. 350-6.800.
- Takada, Kyoichi: *See—*
  - Imaue, Yukihisa; Asanuma, Masato; and Takada, Kyoichi, 4,851,879, Cl. 355-274.000.
- Takada, Makoto: *See—*
  - Fujita, Shigeru; Banzai, Hideo; and Takada, Makoto, 4,862,385, Cl. 364-518.000.
  - Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, 4,827,970, Cl. 137-486.000.
- Takada, Masaaki, to Kabushiki Kaisha Toshiba. Platen fixing apparatus. 4,802,795, 2-7-89, Cl. 400-660.000.
- Takada, Masaki: *See—*
  - Takahashi, Mamoru; Imamura, Shigeyuki; and Takada, Masaki, 4,877,733, Cl. 435-190.000.
  - Yaginuma, Satoshi; Awata, Masashi; Takada, Masaki; and Kinoshita, Kenji, 4,801,697, Cl. 536-4.100.

Takada, Masao: *See—*
  Tsuchiya, Hiromu; Nabekawa, Shukichi; and Takada, Masao, 4,857,238, Cl. 562-820.000.

Takada, Minoru, to Honda Giken Kogyo Kabushiki Kaisha. Rear fork for motorcycles. 4,813,697, 3-21-89, Cl. 280-284.000.

Takada, Minoru, to Nissei Jushi Kogyo Kabushiki Kaisha. Mold clamping device. 4,861,259, 8-29-89, Cl. 425-451.200.

Takada, Mitsuru; Itoh, Hiroshi; and Takahashi, Tokuyuki, to Toyota Jidosha Kabushiki Kaisha. Four wheel drive system for vehicle. 4,867,262, 9-19-89, Cl. 180-249.000.

Takada, Mitsuru: *See—*
  Itoh, Hiroshi; and Takada, Mitsuru, 4,872,115, Cl. 364-424.100.

Takada, Naoki: *See—*
  Tabata, Kuniaki, Machida, Tetsuo; Takeda, Haruo; Takada, Naoki; and Okada, Yasuyuki, 4,809,345, Cl. 382-47.000.

Takada, Noboru; and Yokoyama, Hajime, to Toko, Inc.; and Matsushita Electric Industrial Co., Ltd. Electronic tuning circuit for AM receiver which is easy to effect tracking adjustment. 4,837,852, 6-6-89, Cl. 455-197.000.

Takada, Norio: *See—*
  Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.

Takada, Osamu: *See—*
  Hiyama, Kunio; Kawakita, Kenji; and Takada, Osamu, 4,855,995, Cl. 370-86.000.
  Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, 4,804,940, Cl. 341-133.000.

Takada, Satoshi: *See—*
  Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,855,057, Cl. 210-650.000.
  Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,863,590, Cl. 210-93.000.

Takada, Seizou: *See—*
  Tanaka, Satoru; Takada, Seizou; and Matsuura, Tamiaki, 4,818,381, Cl. 209-57[illegible].000.

Takada, Shigeyuki. Underwater window for vessels. 4,852,508, 8-1-89, Cl. 114-177.000.

Takada, Shinji: *See—*
  Shimada, Keiichiro; Takada, Shinji; Ishihara, Mitsugu; and Machida, Yukihiko, 4,821,032, Cl. 340-825.210.

Takada, Shun; Murai, Kazuhiro; and Onodera, Kaoru, to Konica Corporation. Silver halide photographic light-sensitive material suitable for rapid processing. 4,820,614, 4-11-89, Cl. 430-505.000.

Takada, Shun; and Onodera, Kaoru, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic light-sensitive material. 4,828,969, 5-9-89, Cl. 430-505.000.

Takada, Shunji: *See—*
  Yamashita, Seiji; Ohshima, Naoto; and Takada, Shunji, 4,806,462, Cl. 430-604.000.

Takada, Susumu: *See—*
  Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,800,744, Cl. 72-342.000.
  Kawakami, Heijiro; Kawaguchi, Yasunobu; Katsube, Kozo; Murahashi, Mamoru; and Takada, Susumu, 4,801,106, Cl. 242-159.000.

Takada, Tadashi: *See—*
  Kasahara, Riichiro; and Takada, Tadashi, 4,885,929, Cl. 73-23.000.

Takada, Takashi; Hirao, Kenichi; Tanaka, Hiroyoshi; and Suzuki, Mitsuo, to Toray Industries, Inc. High tenacity acrylonitrile fibers and a process for production thereof. 4,861,659, 8-29-89, Cl. 428-364.000.

Takada, Teruo: *See—*
  Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, 4,879,341, Cl. 525-66.000.

Takada, Tetsuo; Kita, Mikio; and Yonemochi, Kenzo, to Nippon Light Metal Co., Ltd. Fixing device for brittle board such as plasterboard. 4,795,294, 1-3-89, Cl. 411-457.000.

Takada, Tomoaki: *See—*
  Tatebayashi, June; Takada, Tomoaki; Hayashi, Kimitaka; and Kumagai, Chikanori, 4,877,397, Cl. 432-106.000.

Takada, Toshiaki: *See—*
  Uetake, Masami; and Takada, Toshiaki, 4,827,792, Cl. 74-473.00R.

Takada, Toshihiro; Matsumoto, Shinichi; and Miyoshi, Naoto, to Toyota Jidosha Kabushiki Kaisha, JPX. Catalyst for purifying exhaust gases. 4,849,398, 7-18-89, Cl. 502-303.000.

Takada, Toshihiro: *See—*
  Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Takada, Toshimichi: *See—*
  Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonezaki, Takahiro, 4,833,305, Cl. 219-549.000.

Takada, Toshio: *See—*
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.
  Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.

Takada, Toshiyuki, to Ricoh Company, Ltd. Color facsimile machine with a color selection function. 4,862,254, 8-29-89, Cl. 358-75.000.

Takada, Toshiyuki; and Yamamoto, Hitoshi, to Kawasaki Jukogyo Kabushiki Kaisha. Overhead valve type engine. 4,864,981, 9-12-89, Cl. 123-90.270.

Takada, Yasufumi: *See—*
  Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, 4,843,432, Cl. 355-41.000.

Takada, Yasuhiro: *See—*
  Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.

Takada, Yoshihiro: *See—*
  Abe, Shunichi; Ohkubo, Masaharu; Suzuki, Akio; and Takada, Yoshihiro, 4,851,923, Cl. 358-296.000.
  Akiyoshi, Hideki; Tamura, Hiroshi; Kutami, Atsushi; and Takada, Yoshihiro, 4,837,120, Cl. 430-56.000.
  Kutami, Atsushi; Hashimoto, Akira; and Takada, Yoshihiro, 4,862,211, Cl. 355-212.000.
  Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,829,323, Cl. 346-140.00R.
  Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,853,768, Cl. 358-80.000.
  Suzuki, Akio; Ohkubo, Masaharu; and Takada, Yoshihiro, 4,855,765, Cl. 346-154.000.
  Suzuki, Akio; and Takada, Yoshihiro, 4,882,621, Cl. 358-80.000.

Takada, Yoshikazu: *See—*
  Nakaoka, Kazuhide; Takada, Yoshikazu; and Tanaka, Yasushi, 4,832,762, Cl. 148-108.000.

Takada, Yoshiyasu: *See—*
  Hamada, Takao; Tsuchiya, Nobuo; Inatani, Toshihiro; Katayama, Eiji; Koitabashi, Toshimitsu; Okabe, Kyoji; Sumito, Mitsuo; and Takada, Yoshiyasu, 4,874,427, Cl. 75-26.000.

Takada, Yukiharu: *See—*
  Endo, Juro; Murakami, Shiro; Takada, Yukiharu; and Koike, Yoshiharu, 4,835,640, Cl. 360-103.000.

Takada, Yukihiko: *See—*
  Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.

Takada, Yusaku; and Takeda, Kenji, to Canon Kabushiki Kaisha. Antifouling device for sheet gripper. 4,875,069, 10-17-89, Cl. 355-271.000.

Takada, Yutaka; Doi, Koichi; Yamazaki, Tsutomu; and Obata, Yutaka, to Nissan Motor Company, Limited. Dual air conditioner for a vehicle. 4,856,710, 8-15-89, Cl. 236-13.000.

Takadera, Ichiro: *See—*
  Shinbori, Takeyoshi; Takadera, Ichiro; and Taguchi, Kohei, 4,880,213, Cl. 267-64.270.

Takae, Masaki: *See—*
  Kuwajima, Teruaki; Uenoyama, Kazuo; Takae, Masaki; and Okuda, Hidefumi, 4,812,335, Cl. 427-407.100.

Takafuji, Yutaka: *See—*
  Yasuda, Shuhei; and Takafuji, Yutaka, 4,842,371, Cl. 350-333.000.

Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, to Dainippon Ink and Chemicals, Inc. Steroid compounds and process of preparing the same. 4,874,855, 10-17-89, Cl. 540-3.000.

Takagaki, Hiromitsu: *See—*
  Saito, Takeshi; and Takagaki, Hiromitsu, 4,821,075, Cl. 355-3.0DD.

Takagaki, Nobuyuki, to Fuji Seal Industry Co., Ltd. Film supply apparatus. 4,801,348, 1-31-89, Cl. 156-456.000.

Takagaki, Yasuo: *See—*
  Uemura, Isao; Takagaki, Yasuo; Arai, Yoshitaka; and Ami, Isamu, 4,830,867, Cl. 426-557.000.

Takagawa, Ryozo: *See—*
  Tanabe, Hisaki; Takagawa, Ryozo; and Umemoto, Hirotoshi, 4,810,758, Cl. 525-348.000.

Takagi, Akihiro; and Kimoto, Kiyoshi, to Nikon Corporation. Optical recording medium and reproducing apparatus. 4,858,218, 8-15-89, Cl. 369-109.000.

Takagi, Akihiro: *See—*
  Makagawa, Shozo; Onishi, Shunichi; and Takagi, Akihiro, 4,802,021, Cl. 358-342.000.
  Nakagawa, Shozo; Ohnishi, Shunichi; and Takagi, Akihiro, 4,866,546, Cl. 360-66.000.

Takagi, Akinobu: *See—*
  Hanzawa, Yukihiko; Kawauchi, Haruki; Mikami, Tukasa; Takagi, Akinobu; and Kurotobi, Yohji, 4,800,985, Cl. 181-229.000.
  Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.

Takagi, Akira; Oyaizu, Hirotsugu; Takahashi, Nobuatsu; and Kume, Kiyotaka, to Daiwa Kasei Kogyo Kabushiki Kausha. Cable tie. 4,875,647, 10-24-89, Cl. 248-74.300.

Takagi, Akira: *See—*
  Chikamasa, Hiroshi; Takagi, Akira; and Sakaguchi, Masaaki, 4,796,824, Cl. 242-76.000.
  Kimura, Hiroshi, and Takagi, Akira, 4,871,616, Cl. 428-407.000.
  Sakaguchi, Masaaki; Usui, Mitsunobu; and Takagi, Akira, 4,817,884, Cl. 242-67.10R.
  Suzuki, Akihiro; and Takagi, Akira, 4,858,265, Cl. 15-100.000.

Takagi, Atsushi: *See—*
  Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.

  Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.
  Yoshino, Shigeru; and Takagi, Atsushi, 4,825,257. Cl. 355-132.000.

Takagi, Genjiro, to Tachi-S Co., Ltd. Automotive seat with seat belt. 4,810,037, 3-7-89, Cl. 297-481.000.

Takagi, Hiroaki: *See—*
  Ozawa, Takashi; Munakata, Ichiro; Takagi, Hiroaki; and Kozaki, Ryoichi, 4,827,328, Cl. 357-80.000.
  Tamura, Jun ichi; and Takagi, Hiroaki, 4,837,313, Cl. 536-55.100.

Takagi, Hirofumi: *See—*
  Muramatsu, Kuniyoshi; Higuchi, Masashi; Ogi, Yoshinori; Kaji, Hisao; Sano, Katsuhiko; Takagi, Hirofumi; and Nagai, Satoru, 4,864,460, Cl. 361-220.000.

Takagi, Hirohiko: *See—*
  Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, 4,818,601, Cl. 428-297.000.
  Nishizawa, Kuninori; Miura, Teruo; Watanabe, Yoichi; and Takagi, Hirohiko, 4,836,262, Cl. 152-451.000.

Takagi, Hiroshi, to Omron Tateisi Electronics Co. Electronic cash register. 4,800,493, 1-24-89, Cl. 364-405.000.

Takagi, Hiroshi, Hashimoto, Morimi; and Suzuki, Kenji, to Canon Kabushiki Kaisha. Magnetic recording medium. 4,816,351, 3-28-89, Cl. 428-694.000.

Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, to Hitachi Medical Corporation. Imaging system including means to provide a display image with shadows and three dimensional perspectives by a combination of voxel and surface method. 4,866,612, 9-12-89, Cl. 364-413.220.

Takagi, Hiroshi; Serikawa, Toshiaki; and Tsunoda, Noriaki, to Mitsubishi Pencil Co., Ltd. Writing instrument with ink quantity of level detecting function. 4,889,442, 12-26-89, Cl. 401-194.000.

Takagi, Hiroshi: *See—*
  Onishi, Toshiyasu; Ayata, Kenzo; Takagi, Hiroshi; Suzuki, Yasuo; Ohta, Yasuhiko; Shiozawa, Takao; Fujiwara, Koichi; and Itashiki, Masakazu, 4,852,635, Cl. 164-468.000.
  Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.

Takagi, Hitoshi: *See—*
  Fukai, Yoshio; Takagi, Hitoshi; and Osawa, Tatsuo, 4,799,640, Cl. 248-559.000.

Takagi, Horoshi; Mori, Yoshiaki; and Sakabe, Yukio, to Murata Manufacturing Co., Ltd. Circuit substrate having ceramic multilayer structure containing chip-like electronic components. 4,800,459, 1-24-89, Cl. 361-321.000.

Takagi, Isamu: *See—*
  Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.

Takagi, Isao: *See—*
  Saito, Keiji; Takizawa, Yoshiro; and Takagi, Isao, 4,798,704, Cl. 422-99.000.

Takagi, Izumi: *See—*
  Yamamoto, Takemi; Kobayakawa, Koji; Sasaki, Ichiro; Komiya, Ryohei; Sago, Akira; Takagi, Izumi; Sakai, Jun; and Matsumoto, Yumio, 4,851,881, Cl. 335-27.000.

Takagi, Jun: *See—*
  Sugimoto, Hiroaki, Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.

Takagi, Katsuaki; Aoki, Hirokazu; Nakagawa, Norio; and Hagiwara, Yoshimune, to Hitachi, Ltd. Address translation unit. 4,812,969, 3-14-89, Cl. 364-200.000.

Takagi, Katsuaki, to Hitachi, Ltd. Microcomputer system for high speed address translation. 4,819,211, 4-4-89, Cl. 365-230.000.

Takagi, Katsuaki: *See—*
  Nakagawa, Norio; Takagi, Katsuaki; and Aoki, Hirokazu, 4,831,586, Cl. 365-49.000.

Takagi, Katsumasa, to Koyo Disposable Goods Company. Vacuum drum apparatus for providing sanitary articles. 4,874,456, 10-17-89, Cl. 156-471.000.

Takagi, Katsumi; Negoro, Toshihito; and Tamagawa, Itaru, to Pegasus Sewing Machine Mfg. Co., Ltd. Programmed thread regulating apparatus for a sewing machine. 4,873,931, 10-17-89, Cl. 112-121.110.

Takagi, Kazuhiko; and Nonomura, Yoshihito, to Brother Kogyo Kabushiki Kaisha. Invertible ribbon cartridge. 4,836,698, 6-6-89, Cl. 400-208.000.

Takagi, Kazuhiro: *See—*
  Matsui, Hisanori; Sutoh, Keiji, Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.

Takagi, Kazumasa: *See—*
  Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, 4,803,392, Cl. 310-311.000.
  Ohno, Tomoyuki; Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Shirakura, Takaaki; Matsuoka, Shinya; Sano, Makoto; Nakamura, Takao; Takagi, Kazumasa; Fukazawa, Tokuumi; and Susa, Kenzo, 4,842,917, Cl. 428-141.000.
  Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.
  Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.
  Susa, Kenzo; Takagi, Kazumasa; Kobayashi, Toshio; Takayama, Takanobu; and Ohta, Norio, 4,876,144, Cl. 428-336.000.

Takagi, Kazunori; and Ito, Masahiko, to Pioneer Electronic Corporation. Power fader for a loudspeaker system. 4,356,065, 8-8-89, Cl. 381-28.000.

Takagi, Kazuo: *See—*
  Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, 4,881,173, Cl. 364-431.070.

Takagi, Kazutoshi, to Tokyo Kogaku Kikai Kabushiki Kaisha. Slit apparatus. 4,818,068, 4-4-89, Cl. 350-272.000.

Takagi, Kazutoshi: *See—*
  Okada, Kohichi; and Takagi, Kazutoshi, 4,810,083, Cl. 351-205.000.
  Onose, Jun; Takagi, Kazutoshi; and Adachi, Fukuichi, 4,855,875, Cl. 362-32.000.

Takagi, Kenichi: *See—*
  Takayama, Kazuo; Yabe, Eiji; Takagi, Kenichi; Fukui, Ryota; and Kikuchi, Riichi, 4,841,197, Cl. 315-111.810.

Takagi, Kins[illegible] and Kondo, Nobuhiro, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha. Turbine housing for turbocharger. 4,795,309, 1-3-89, Cl. 415-138.000.

Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Braking control apparatus for use in motor vehicle. 4,872,730, 10-10-89, Cl. 303-92.000.

Takagi, Kozi: *See—*
  Ozawa, Takashi; Tanaka, Hitoshi; Goshima, Takahiro; and Takagi, Kozi, 4,875,741, Cl. 303-116.000.

Takagi, Kunio; and Matsumoto, Takashi, to Fuji Photo Film Co., Ltd. Photographic paper reserver mechanism. 4,801,973, 1-31-89, Cl. 355-27.000.

Takagi, Kunio: *See—*
  Tahara, Syuji; Sakamoto, Kiichiro; Oshikoshi, Yuji; and Takagi, Kunio, 4,849,809, Cl. 358-75.000.

Takagi, Kusuo; and Inoue, Yuuzaburo, to Nippon Telegraph and Telephone Corporation; and Sanritsu Electric Company, Ltd. AC line filter. 4,835,497, 5-30-89, Cl. 333-177.000.

Takagi, Makoto: *See—*
  Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.
  Saiki, Masatsugu; Imai, Yoshio; and Takagi, Makoto, 4,822,529, Cl. 260-403.000.

Takagi, Masafumi: *See—*
  Kasamura, Toshirou; Takagi, Masafumi; Okuda, Naoki; Ohashi, Masashi; Kusumoto, Toshihiko; Sasaki, Nobukazu; Maeda, Yasunori; and Ikeda, Masamichi, 4,841,329, Cl. 355-245.000.

Takagi, Masahiro: *See—*
  Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.

Takagi, Masami: *See—*
  Tsunekawa, Shinichi; and Takagi, Masami, 4,882,520, Cl. 313-643.000.

Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, to Nikka Whisky Distilling Co., Ltd. Cycloheximide resistant gene. 4,857,460, 8-15-89, Cl. 435-91.000.

Takagi, Masamichi; Yano, Keiji; Shibuya, Ichiro; and Morikawa, Minoru, to Nikka Whisky Distilling Co., Ltd. *Escherichia coli Candida maltosa Saccharomyces cerevisiae* shuttle vectors and method for making. 4,879,230, 11-7-89, Cl. 435-172.300.

Takagi, Masanari: *See—*
  Kohmura, Kisaburo; Nishi, Haruo; and Takagi, Masanari, 4,830,278, Cl. 99-468.000.

Takagi, Masao; Miyahara, Masayoshi; and Toshikuni, Nobuyuki, to Kubota, Ltd. Tractor transmission. 4,824,128, 4-25-89, Cl. 180-53.100.

Takagi, Masao: *See—*
  Toshikuni, Nobuyuki; Takagi, Masao; and Nishiguchi, Nobuyuki, 4,804,056, Cl. 180-70.100.

Takagi, Masashi: *See—*
  Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,807,445, Cl. 62-212.000.
  Matsuoka, Akio; Honda, Yuuji; and Takagi, Masashi, 4,829,777, Cl. 62-212.000.
  Nishizawa, Kazutoshi; Takagi, Masashi; Matsuoka, Akio; and Nomura, Fuzio, 4,828,463, Cl. 417-307.000.

Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, to Toyoda Koki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Programmable transfer machine. 4,841,431, 6-20-89, Cl. 364-187.000.

Takagi, Masayoshi, and Okada, Yashuhiro, to Toyoda Koki Kabushiki Kaisha. Transfer machine. 4,868,960, 9-26-89, Cl. 29-33.00P.

Takagi, Masayuki: *See—*
  Imanaka, Tadashi; Takagi, Masayuki; Togawa, Eisei; Saito, Harunobu; Nagaike, Sadanori; Ohura, Masaki; Suzuki, Saburo; Kobayashi, Tetsuo; and Kuwatsuka, Shunichiro, 4,841,402, Cl. 360-126.000.

Takagi, Michitoshi; Asano, Takaaki; and Yamada, Tsuguhiro, to Nissan Motor Company, Limited. Automotive vehicle with adjustable aerodynamic accessory and control therefor. 4,810,022, 3-7-89, Cl. 296-180.500.

Takagi, Michiyuki: *See—*
  Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, 4,841,212, Cl. 318-607.000.

Takagi, Mitiro; Katoh, Yasuyuki; and Yamazaki, Tomatsu, to Chugai Seiyaku Kabushiki Kaisha. Novel diamine derivatives. 4,855,497, 8-8-89, Cl. 564-182.000.

Takagi, Mitsuhiro: *See—*
- Kitamura, Masuo; Takagi, Mitsuhiro, and Nakamura, Masaaki, 4,857,669, Cl. 174-53.000.

Takagi, Mitsuo: *See—*
- Fujita, Hiroyuki; Yoshida, Iwao; Takagi, Mitsuo; Manabe, Sadao; and Fukai, Konosuke, 4,810,492, Cl. 424-88.000.

Takagi, Naofumi: *See—*
- Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,864,528, Cl. 364-754.000.
- Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,655, Cl. 364-761.000.
- Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,657, Cl. 364-768.000.
- Nishiyama, Tamotsu; Kuninobu, Shigeo; and Takagi, Naofumi, 4,868,777, Cl. 364-754.000.

Takagi, Nobukazu, to Diesel Kiki Co., Ltd. Fuel injection device. 4,844,035, 7-4-89, Cl. 123-446.000.

Takagi, Nobukazu: *See—*
- Ishikawa, Masataka; and Takagi, Nobukazu, 4,870,939, Cl. 123-506.000.

Takagi, Nobuo: *See—*
- Kato, Yoshinori; Nakanishi, Mitsuaki; Fujita, Yasushi; and Takagi, Nobuo, 4,858,279, Cl. 24-20.00R.

Takagi, Osamu, to Kabushiki Kaisha Toshiba. Single and multi-color developing apparatus. 4,827,869, 5-9-89, Cl. 118-645.000.

Takagi, Osamu: *See—*
- Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.
- Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, 4,866,473, Cl. 355-27.000.
- Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, 4,870,451, Cl. 355-27.000.
- Kohyama, Mitsuaki; Yoshida, Naruhito; and Takagi, Osamu, 4,836,135, Cl. 118-653.000.
- Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, 4,814,808, Cl. 354-304.000.
- Tomizawa, Takashi; and Takagi, Osamu, 4,885,603, Cl. 355-30.000.

Takagi, Seiichi; and Fukumoto, Hiroshi, to Canon Kabushiki Kaisha. Containing magnetic particles having a bulk resistivity of at most 10^4 ohm.cm and a powder resistivity of 10^5-10^{12} ohm.cm. 4,803,142, 2-7-89, Cl. 430-106.600.

Takagi, Seiichi: *See—*
- Yasuda, Satoshi; Uchida, Mitsuru; Takagi, Seiichi; and Karami, Yusuke, 4,824,752, Cl. 430-106.600.

Takagi, Seizo, to Mitsubishi Denki Kabushiki Kaisha. Magnetic disc drive. 4,805,056, 2-14-89, Cl. 360-106.000.

Takagi, Shigeo: *See—*
- Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, 4,813,989, Cl. 65-1.000.

Takagi, Shigeyuki, to Teijin Seiki Co., Ltd. Dynamic characteristic compensating device for electrical hydraulic servo actuator. 4,817,498, 4-4-89, Cl. 91-361.000.

Takagi, Shigeyuki, to Teijin Seiki Co., Ltd. Servo system. 4,878,005, 10-31-89, Cl. 318-621.000.

Takagi, Shiro, to Kabushiki Kaisha Toshiba. Information processor with multi-window display function. 4,862,389, 8-29-89, Cl. 364-521.000.

Takagi, Shiro; Sato, Minoru; and Izawa, Koji, to Kabushiki Kaisha Toshiba. Electronic document filing apparatus with icon selection. 4,885,704, 12-5-89, Cl. 364-521.000.

Takagi, Soya: *See—*
- Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,818,307, Cl. 148-414.000.
- Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,832,982, Cl. 427-53.100.

Takagi, Syoji; and Saito, Hiroyoshi, to Kabushiki Kaisha Toshiba. Word block searcher for word processing equipment and searching method therefor. 4,812,966, 3-14-89, Cl. 364-200.000.

Takagi, Tadao; and Fukuhara, Toru, to Nikon Corporation. Camera. 4,809,030, 2-28-89, Cl. 354-414.000.

Takagi, Tadashi; Seino, Kiyoharu; and Takeda, Fumio, to Mitsubishi Denki Kabushiki Kaisha. Microwave power combining FET amplifier. 4,803,443, 2-7-89, Cl. 330-277.000.

Takagi, Tadashi: *See—*
- Seino, Kiyoharu; Takagi, Tadashi; Takeda, Fumio; and Ikeda, Yukio, 4,853,649, Cl. 330-277.000.

Takagi, Takeo: *See—*
- Nakagawa, Koji; Takagi, Takeo; Abe, Yoshiaki; and Sakai, Haruki, 4,877,370, Cl. 415-148.000.

Takagi, Tatsuo: *See—*
- Shibata, Kenichi; Kimura, Kouichi; Hara, Tomohiko; and Takagi, Tatsuo, 4,849,382, Cl. 501-95.000.

Takagi, Toshiyuki: *See—*
- Suzuki, Kenji; Takagi, Toshiyuki; and Nishi, Tomoya, 4,803,653, Cl. 364-900.000.

Takagi, Toshiyuku: *See—*
- Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, 4,853,567, Cl. 310-67.00R.

Takagi, Touichi; Ametani, Kohei; and Shimizu, Kouichi, to Denki Kagaku Kogyo Kabushiki Kaisha. Lead-containing oxide powder. 4,812,426, 3-14-89, Cl. 501-136.000.

Takagi, Yasushi; and Murakami, Toshio, to Hitachi, Ltd. White balance adjusting device for a color video camera. 4,797,733, 1-10-89, Cl. 358-29.000.

Takagi, Yasushi: *See—*
- Umezawa, Sumio; Tsuchiya, Tsutomu; Takeuchi, Tomio; Umezawa, Kazuo; Takahashi, Yoshiaki; Shitara, Tetsuo; Kobayashi, Yoshihiko; and Takagi, Yasushi, 4,873,225, Cl. 514-41.000.

Takagi, Yasutomo; and Takaishi, Kazuyoshi, to Ando Electric Co., Ltd. Square wave modulation circuit for laser diode. 4,827,116, 5-2-89, Cl. 250-205.000.

Takagi, Yasutomo; and Takaishi, Kazuyoshi, to Ando Electric Co., Ltd. Driving circuit for laser diode. 4,837,428, 6-6-89, Cl. 250-205.000.

Takagi, Yoshiaki; Isobe, Susumu; and Matsunaga, Kenkichi, to Daido Tokushuko Kabushiki Kaisha; and Honda Giken Kogyo K.K. Alloys for exhaust valve. 4,871,512, 10-3-89, Cl. 420-448.000.

Takagi, Yoshihiro; Okada, Hisashi; Yagihara, Morio; and Katoh, Kazunobu, to Fuji Photo Film Co., Ltd. Superhigh contrast negative-type silver halide photographic material. 4,851,321, 7-25-89, Cl. 430-264.000.

Takagi, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor apparatus. 4,885,629, 12-5-89, Cl. 357-68.000.

Takagi, Yoshio: *See—*
- Ando, Hiroshi; and Takagi, Yoshio, 4,796,076, Cl. 357-65.000.

Takagi, Yosuke; Ohata, Yu; Kitahara, Koichi; and Kuramoto, Tsuyoshi, to Kabushiki Kaisha Toshiba. Semiconductor device with isolation between MOSFET and control circuit. 4,879,584, 11-7-89, Cl. 357-43.000.

Takagi, Yuji: *See—*
- Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,821,254, Cl. 369-54.000.
- Satoh, Isao; Fukushima, Yoshihisa; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuji, 4,823,333, Cl. 369-84.000.
- Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuji, 4,833,663, Cl. 369-32.000.

Takagi, Yukihito: *See—*
- Kuzuya, Susumu; Sakanobe, Minoru; Takagi, Yukihito; Ota, Nobuaki; Sasaki, Toyonori; and Sagawa, Kazuyoshi, 4,795,12 Cl. 248-289.100.

Takagi, Yuuji; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Kuroki, Yuzuru, to Matsushita Electric Industrial Co., Ltd. Optical disk, optical disk recording and reproducing apparatus and copy preventive method for optical disks. 4,879,704, 11-7-89, Cl. 369-14.000.

Takagi, Yuuji: *See—*
- Fukushima, Yoshihisa; Satoh, Isao; Ichinose, Makoto; Kuroki, Yuzuru; and Takagi, Yuuji, 4,885,735, Cl. 369-59.000.
- Kuroki, Yuzuru; Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; and Takagi, Yuuji, 4,805,046, Cl. 360-49.000.
- Satoh, Isao; Ichinose, Makoto; Fukushima, Yoshihisa; Kuroki, Yuzuru; and Takagi, Yuuji, 4,799,208, Cl. 369-100.000.

Takagishi, Hisao: *See—*
- Ito, Iko; Toyoshima, Yoshiki; Takagishi, Hisao; and Takahashi, Tsutomu, 4,876,371, Cl. 549-517.000.
- Saito, Yasuhisa; Takagishi, Hisao; Nakamura, Hiroshi; Okuno, Kohichi; Shiomi, Yutaka; and Kamio, Kunimasa, 4,855,339, Cl. 523-400.000.

Takagiwa, Hiroyuki; Takahashi, Jiro; Shirose, Meizo; Akimoto, Kun and Uchida, Masafumi, to Konishiroku Photo Industry Co., Ltd. Process for developing latent electrostatic image using toner containing polyester resin. 4,877,704, 10-31-89, Cl. 430-99.000.

Takagiwa, Hiroyuki: *See—*
- Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyas 4,863,824, Cl. 430-109.000.

Takago, Toshio; Yamamoto, Yasushi; and Yamaguchi, Kouichi, to Shin-Etsu Chemical Co., Ltd. Fluorine-containing coating agents. 4,804,709, 2-14-89, Cl. 525-102.000.

Takago, Toshio; and Yamamoto, Yasushi, to Shin-Etsu Chemical Co., Ltd. Method for preparing a cyclic isocyanuric ester having organosilicon groups. 4,880,927, 11-14-89, Cl. 544-193.000.

Takahachi, Akira: *See—*
- Honshima, Teruhisa; Watanabe, Yasuaki; Takahachi, Akira; Samata, Tadayochi; Tohkairin, Akira; and Ogawara, Nobuhiko, 4,829,206, Cl. 310-214.000.

Takahama, Takashi: *See—*
- Matsuda, Sadamu; Sakai, Kunito; and Takahama, Takashi, 4,812,420, Cl. 437-209.000.

Takahama, Teizo; Masuda, Masahiko; Sugimoto, Keisuke; and Sugiyama, Yuji, to Fuji Electric Co., Ltd. Oxygen sensor. 4,839,01 6-13-89, Cl. 204-425.000.

Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, to Coca-Cola Company, The. Apparatus for producing bottled beverages. 4,888,936, 12-26-89, Cl. 53-510.000.

Takahara, Hideyuki; and Kiuchi, Kazuo, to Nippon Telegraph and Telephone Corporation. Perovskite ceramic and fabrication method thereof. 4,885,267, 12-5-89, Cl. 501-134.000.

Takahara, Ichiro; Azumi, Masaaki; Shigetomi, Kazuo; Kamimura, Takaya; and Ishida, Hideki, to Sanyo Electric Co., Ltd. Pickup transport device for optical disc apparatus. 4,839,881, 6-13-89, Cl. 369-75.200.

Takahara, Kazuaki: *See—*
- Suzuki, Kazuhiko; and Takahara, Kazuaki, 4,824,569, Cl. 210-500.230.

Takahara, Kazuhiro: *See—*
- Oki, Ken-ichi; Kawai, Satoru; Yanai, Ken-ichi; and Takahara, Kazuhiro, 4,818,981, Cl. 340-784.000.
- Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsu
- Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.

Takahara, Kenichi; and Takahashi, Hiroshi, to Kabushiki Kaisha Toshiba. Non-contact positioning device. 4,885,490, 12-5-89, Cl. 310-90.500.

Takahara, Kyoji: *See—*
- Aizawa, Tamio; Takahara, Kyoji; and Yamato, Koichi, 4,845,651, Cl. 364-522.000.
- Aizawa, Tamio; and Takahara, Kyoji, 4,858,150, Cl. 364-522.000.

Takahara, Masayasu: *See—*
- Sagai, Hitoshi; Takahara, Masayasu; Katsuragi, Shigeo; Kajiwara, Junboku; and Masujima, Harumi, 4,818,698, Cl. 435-189.000.

Takahara, Shigeru: *See—*
- Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.

Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, to Kabushiki Kaisha Toshiba; and Hokuto Electronics Co., Ltd. Cathode-ray tube including a white phosphor screen. 4,804,882, 2-14-89, Cl. 313-468.000.

Takahara, Takeshi; Ishii, Tsutomu; and Oikawa, Mitsuhiro, to Kabushiki Kaisha Toshiba. Cathode ray tube containing zinc silicate phosphor. 4,806,822, 2-21-89, Cl. 313-467.000.

Takahashi, Akihiro: *See—*
- Takeda, Shigeki; and Takahashi, Akihiro, 4,879,563, Cl. 343-725.000.

Takahashi, Akinori: *See—*
- Muraki, Yoshiya; and Takahashi, Akinori, 4,813,428, Cl. 128-721.000.

Takahashi, Akio; Petrella, Robert G.; and Schwartz, Joel, to Air Products and Chemicals Inc. Flowable triethylenediamine. 4,859,774, 8-22-89, Cl. 544-251.000.

Takahashi, Akio: *See—*
- Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, 4,886,858, Cl. 525-301.000.
- Matsumura, Kiichiro; Takahashi, Akio; and Tsukamoto, Jun, 4,808,475, Cl. 428-367.000.
- Tsukamoto, Jun; Takahashi, Akio; and Matsumura, Kiichiro, 4,816,547, Cl. 528-387.000.

Takahashi, Akira; Kamimura, Testuro; Kawamura, Masahiko; Morikawa, Kiyoshi; and Onishi, Sei, to Pioneer Electronic Corporation. Multi-disc player. 4,841,499, 6-20-89, Cl. 369-38.000.

Takahashi, Akira; Shibahara, Kazuo; Morimoto, Katsuhiro; Samma, Hiromasa; and Kubo, Kazuhiko, to Kabushiki Kaisha Osaka Packing Seizosho. Silica shaped bodies and process for preparing same. 4,853,351, 8-1-89, Cl. 501-87.000.

Takahashi, Akira; Murakami, Yoshiteru; Mieda, Michinobu; Miyake, Tomoyuki; and Ohta, Kenji, to Sharp Kabushiki Kaisha. Recording method on magnetooptical disc with laser magnetic field. 4,858,212, 8-15-89, Cl. 369-13.000.

Takahashi, Akira; and Tada, Yasuo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Mitsubishi Denki Kabushiki Kaisha. Device for detecting the amount of the air intaken by an internal combustion engine. 4,869,099, 9-26-89, Cl. 73-118.200.

Takahashi, Akira, to Fuji Jukogyo Kabushiki Kaisha. Four-wheel steering system of a motor vehicle. 4,869,335, 9-26-89, Cl. 180-140.000.

Takahashi, Akira: *See—*
- Fujikawa, Tetsuzo; Yamaguchi, Yoichi; and Takahashi, Akira, 4,798,082, Cl. 73-117.300.
- Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,054, Cl. 123-571.000.
- Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jimbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.
- Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.
- Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Katayama, Hiroyuki; Hirokane, Junji; and Murakami, Yoshiteru, 4,818,648, Cl. 430-17.000.
- Ohta, Kenji; Takahashi, Akira; Inui, Tetsuya; Hirokane, Junji; and Katayama, Hiroyuki, 4,839,251, Cl. 430-5.000.
- Sakaguchi, Touru; Takahashi, Akira; and Ueno, Akira, 4,809,031, Cl. 354-429.000.
- Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.
- Tomita, Nobumitsu; Takahashi, Akira; and Takeuchi, Shogo, 4,864,551, Cl. 369-36.000.

Takahashi, Atsuo: *See—*
- Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.

Takahashi, Atsushi; and Watari, Haruhiko, to Nifco Inc. Locking device. 4,881,764, 11-21-89, Cl. 292-13.000.

Takahashi, Atsushi: *See—*
- Fujii, Hiroshi; and Takahashi, Atsushi, 4,860,494, Cl. 49-493.000.
- Furukawa, Masatoshi; Kumagai, Masao; Sugawara, Tadami; Sasaki, Hatsuo; Hishi, Yuichi; and Takahashi, Atsushi, 4,835,642, Cl. 360-105.000.
- Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.

Takahashi, Atunobu: *See—*
- Doi, Shuji; Ishige, Kiyoo; Ishida, Norio; Irie, Eiichi; Matsumoto, Yoshiro; Hatabe, Yoshiharu; Takahashi, Atunobu; Inoue, Nobuyuki; Deguchi, Noriaki; and Ozaki, Hisateru, 4,828,869, Cl. 426-656.000.

Takahashi, Chusei; Amakasu, Tadashi; and Etoh, Hiroshi, to Oki Electric Industry Co., Ltd. Line switching control system for mobile communication. 4,823,373, 4-18-89, Cl. 379-58.000.

Takahashi, Chusei, to Oki Electric Industry Co., Ltd. Apparatus for judging quality of mobile data communication. 4,890,332, 12-26-89, Cl. 455-67.000.

Takahashi, Eiichi: *See—*
- Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.

Takahashi, Eiji: *See—*
- Hayashida, Mitsuharu; Sasaki, Kazuo; Yasui, Nobusige; and Takahashi, Eiji, 4,801,037, Cl. 220-259.000.
- Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.
- Kase, Keizo; Idai, Tsutomu; Ishii, Kazumasa; and Takahashi, Eiji, 4,847,435, Cl. 568-750.000.
- Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.

Takahashi, Eiki; Miyazaki, Masahiro; and Nakamura, Kiyoshi, to Hitachi, Ltd. Color cathode-ray tube. 4,885,503, 12-5-89, Cl. 313-450.000.

Takahashi, Eizo, to Miyama Kogyo Kabushiki Kaisha. Method of manufacturing a climbing step with embedded reflection plate. 4,842,784, 6-27-89, Cl. 264-1.900.

Takahashi, Etsuo, to NEC Corporation. Diagnostic system for remote computers. 4,823,343, 4-18-89, Cl. 371-16.000.

Takahashi, Fujio, to Ikeda Bussan Co., Ltd. Driver holder seat. 4,810,035, 3-7-89, Cl. 297-464.000.

Takahashi, Fujio, to Ikeda Bussan Co., Ltd. Reclining seat for motor vehicle. 4,830,433, 5-16-89, Cl. 297-378.000.

Takahashi, Fuminobu: *See—*
- Koike, Masahiro; Takahashi, Fuminobu; Ogura, Satoshi; and Yamada, Izumi, 4,831,598, Cl. 367-7.000.

Takahashi, Fumio; and Ogita, Hiromitsu, to Shinko Electric Co., Ltd. Thermal transfer type printer. 4,795,999, 1-3-89, Cl. 346-76.0PH.

Takahashi, Fumio; Nagaoka, Yukio; and Harada, Twao, to Hitachi, Ltd. Parallel processing computer including interconnected operation units. 4,816,993, 3-28-89, Cl. 364-200.000.

Takahashi, Fumitaka; Okazaki, Kunio; Shiraishi, Masaru; and Takahashi, Masayuki, to Honda Motor Co., Ltd.; and Stanley Electric Co., Ltd. Method of manufacturing fluidic angular rate sensor. 4,823,461, 4-25-89, Cl. 29-612.000.

Takahashi, Fumitaka: *See—*
- Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,809,071, Cl. 358-111.000.
- Yokouchi, Hisatake; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,881,124, Cl. 358-111.000.

Takahashi, Fumito, to Fuji Electric Co., Ltd. Proximity switch. 4,803,444, 2-7-89, Cl. 331-65.000.

Takahashi, Hajime; and Toda, Masahiro, to Iwaya Corporation. Calling device of motion toy and motion toy using said calling device. 4,810,226, 3-7-89, Cl. 446-300.000.

Takahashi, Hajime; and Maeda, Eiichi, to Iwaya Corporation. Voice making device for moving animal toy and moving animal toy using the voice making device. 4,820,232, 4-11-89, Cl. 446-178.000.

Takahashi, Hajime: *See—*
- Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.

Takahashi, Hareo; Terauchi, Kiyoshi; Hatakeyama, Hideharu; and Kumagai, Shuzo, to Sanden Corporation. Wobble plate type compressor with a drive shaft attached to a cam rotor at an inclination angle. 4,869,154, 9-26-89, Cl. 92-71.000.

Takahashi, Hareo; Hatakeyama, Hideharu; and Kumagai, Shuzo, to Sanden Corporation. Wobble plate type compressor with a drive shaft attached to a cam rotor at an inclincation angle. 4,870,893, 10-3-89, Cl. 92-71.000.

Takahashi, Hareo: *See—*
- Toyoda, Hiroshi; Shimizu, Shigemi; Hatakeyama, Hideharu; Kumagai, Shuzo; and Takahashi, Hareo, 4,870,894, Cl. 92-71.000.

Takahashi, Hatsuo: *See—*
- Iida, Muneo; Honda, Masanobu; Kawamura, Katsumi; Daito, Hiroshi; Miyake, Yoshihiko; Setone, Shouichi; Takahashi, Hatsuo; and Nakanishi, Michihiro, 4,879,618, Cl. 360-106.000.

Takahashi, Hayashi; and Yagi, Tadasu, to Toho Rayon Co., Ltd. Method for producing carbon fibers from acrylonitrile fiber strands. 4,869,856, 9-26-89, Cl. 264-29.200.

Takahashi, Hideaki; Kondo, Haruyoshi; and Saji, Keiichi, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Wide-range air/fuel ratio sensor and detector using the same. 4,844,788, 7-4-89, Cl. 204-406.000.

Takahashi, Hideaki; and Arabori, Noboru, to Hitachi, Ltd. Speed control apparatus for elevators. 4,869,347, 9-26-89, Cl. 187-116.000.

Takahashi, Hideaki: *See—*
- Arabori, Noboru; Takahashi, Hideaki; Sakai, Yoshio; and Yoneda, Kenji, 4,852,694, Cl. 187-115.000.
- Hirata, Tadashi; Koyama, Katsumi; Takahashi, Hideaki; Harashima, Yasuhiro; Kitahara, Michio; Igarashi, Katsuyuki; Kitamura, Jun; Kikuchi, Hiroshi; and Narisada, Kimiyuki, 4,803,372, Cl. 250-561.000.

  - Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.
  - Kozuka, Kazuhiro; Ozasa, Toshihiro; Takahashi, Hideaki; and Kondo, Haruyoshi, 4,869,094, Cl. 73-2.600.
  - Maeda, Sadahiko; Takahashi, Hideaki; Idei, Yasumasa; and Nishida, Masahiro, 4,815,418, Cl. 122-4.00D.
- Takahashi, Hideharu, to Sanshin Kogyo Kabushiki Kaisha. Forward-reverse for marine propulsion device of a water-jet type. 4,813,895, 3-21-89, Cl. 440-41.000.
- Takahashi, Hideharu: *See—*
  - Hasegawa, Junichi; and Takahashi, Hideharu, 4,872,858, Cl. 440-38.000.
- Takahashi, Hidehiko, to Yakurigaku Chuo Kenkyusho. Hydrated aluminum silicate adsorbent supporting reductive substance. 4,847,075, 7-11-89, Cl. 424-62.000.
- Takahashi, Hidekazu: *See—*
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
- Takahashi, Hideki: *See—*
  - Takamatsu, Keiji; and Takahashi, Hideki, 4,825,079, Cl. 250-338.300.
- Takahashi, Hidenobu: *See—*
  - Satoh, Tomiyoshi; Kimura, Masahiro; and Takahashi, Hidenobu, 4,864,440, Cl. 360-99.020.
- Takahashi, Hidenori: *See—*
  - Matsuda, Hideki; and Takahashi, Hidenori, 4,884,606, Cl. 152-209.00R.
- Takahashi, Hideo; and Iwata, Kouichi, to Sumitomo Electric Industries, Ltd. Process for producing a medical vinyl chloride resin material. 4,869,909, 9-26-89, Cl. 424-486.000.
- Takahashi, Hideo: *See—*
  - Hara, Junichiro; Ogihara, Yoshiyuki; and Takahashi, Hideo, 4,875,624, Cl. 236-49.500.
  - Iwata, Kouichi; Takahashi, Hideo; and Isomura, Akihiko, 4,822,615, Cl. 424-423.000.
  - Miyata, Shigeo; and Takahashi, Hideo, 4,842,645, Cl. 106-14.140.
  - Sakamoto, Masashi; Okuda, Haruo; Takahashi, Hideo; and Yamada, Eiji, 4,880,703, Cl. 428-378.000.
  - Uesugi, Naomoto; Takahashi, Hideo; and Ikeno, Tetsuro, 4,854,417, Cl. 181-272.000.
- Takahashi, Hideomi: *See—*
  - Yanabu, Satoru; Takahashi, Hideomi; Kaneko, Eiji; and Yasuoka, Koichi, 4,841,538, Cl. 372-58.000.
- Takahashi, Hideyuki: *See—*
  - Shibuya, Nobuhiro; Takahashi, Hideyuki; and Nishio, Takeyoshi, 4,863,997, Cl. 525-92.000.
  - Tsuchiya, Kiyoshi; Ioka, Hideyuki; and Takahashi, Hideyuki, 4,841,182, Cl. 310-68.00D.
- Takahashi, Hiroaki; Okada, Haruo; Matsumoto, Katsuya; and Umino, Masuo, to Toyo Soda Manufacturing Co., Ltd. Process for measuring stable-type glycated hemoglobin in a sample. 4,879,039, 11-7-89, Cl. 210-635.000.
- Takahashi, Hiroaki: *See—*
  - Okada, Yoshinori; Higuchi, Shigemitsu; Takahashi, Hiroaki; Yunde, Yasufumi; and Furuhata, Takashi, 4,825,299, Cl. 358-323.000.
  - Okamoto, Takeshi; Iwata, Mitsuo; and Takahashi, Hiroaki, 4,880,629, Cl. 424-678.000.
  - Shimahara, Hironobu; Murata, Kazushige; and Takahashi, Hiroaki, 4,867,662, Cl. 425-85.000.
- Takahashi, Hiroki: *See—*
  - Iwaya, Shoichi; Masumura, Hitoshi; Takahashi, Hiroki; Ohkawara, Masaaki; Kobayashi, Katsumi; and Ito, Takashi, 4,809,442, Cl. 34-10.000.
  - Mirura, Ryozo; Okamoto, Yoshio; Takahashi, Hiroki; and Inada, Souichi, 4,856,313, Cl. 72-234.000.
- Takahashi, Hiromi: *See—*
  - Arutaki, Akira; and Takahashi, Hiromi, 4,835,766, Cl. 370-58.000.
- Takahashi, Hironori; Tsuchiya, Yutaka; and Aoshima, Shinichiro, to Hamamatsu Photonics Kabushiki Kaisha. Voltage detector for detecting a voltage developing in a selected area of an object. 4,887,026, 12-12-89, Cl. 324-96.000.
- Takahashi, Hironori: *See—*
  - Aoshima, Shinichiro; Tsuchiya, Yutaka; and Takahashi, Hironori, 4,866,372, Cl. 324-96.000.
- Takahashi, Hiroshi; Morozumi, Naohiro; Takanezawa, Shin; and Nakao, Kiyoshi, to Hitachi Chemical Co., Ltd. Adhesive clad insulating substrate used for producing printed circuit boards. 4,837,086, 6-6-89, Cl. 428-506.000.
- Takahashi, Hiroshi, to Nissan Motor Co., Ltd. Fuzzy control system for automatic transmission. 4,841,815, 6-27-89, Cl. 74-866.000.
- Takahashi, Hiroshi; and Ishikawa, Yasuki, to Nissan Motor Co., Ltd. Antiskid brake control system based on fuzzy inference. 4,842,342, 6-27-89, Cl. 303-102.000.
- Takahashi, Hiroshi; and Nishiyama, Hitoshi, to Anritsu Corporation. Signal generating apparatus. 4,849,714, 7-18-89, Cl. 331-1.00A.
- Takahashi, Hiroshi, to Nissan Motor Company, Limited. System and method for controlling a mixture ratio of air-fuel mixture supplied to an internal combustion engine. 4,887,575, 12-19-89, Cl. 123-435.000.
- Takahashi, Hiroshi: *See—*
  - Hiruma, Toshihiko; Takahashi, Hiroshi; and Kato, Norihiko, 4,861,698, Cl. 430-272.000.
  - Hiruma, Toshihiko; and Takahashi, Hiroshi, 4,863,831, Cl. 430-271.000.
  - Itoh, Hajime; Takahashi, Hiroshi; Ohbori, Kouji; and Habara, Hideaki, 4,869,857, Cl. 264-41.000.
  - Ohkata, Ichizo; and Takahashi, Hiroshi, 4,838,842, Cl. 474-192.000.
  - Sakojiri, Hiromichi; and Takahashi, Hiroshi, 4,816,367, Cl. 430-138.000.
  - Shimizu, Takeo; Kaneko, Takehira; Inoue, Tomoyuki; and Takahashi, Hiroshi, 4,816,536, Cl. 526-258.000.
  - Takahara, Kenichi; and Takahashi, Hiroshi, 4,885,490, Cl. 310-90.500.
  - Tanaka, Masataka; Ohto, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, 4,846,799, Cl. 604-158.000.
  - Urabe, Yoshihiko; Higashi, Tatsuji; Takahashi, Hiroshi; and Kita, Nobuyuki, 4,874,686, Cl. 430-272.000.
  - Yoshida, Susumu; Takahashi, Hiroshi; Aoki, Hisashi; Kondow, Kiyohiro; and Mayuzumi, Tetsuya, 4,826,752, Cl. 430-155.000.
- Takahashi, Hirotake, to Honda Giken Kogyo Kabushiki Kaisha. Saddle riding type vehicle. 4,860,850, 8-29-89, Cl. 180-215.000.
- Takahashi, Hiroyuki: *See—*
  - Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
- Takahashi, Hitoshi, to Fujitsu Limited. Method for fabricating a 1-chip microcomputer. 4,833,620, 5-23-89, Cl. 364-490.000.
- Takahashi, Ichiro: *See—*
  - Hayashi, Osamu; Matsuda, Sadamu; Takahashi, Ichiro; Okamoto, Goro; and Okahashi, Kazuo, 4,798,769, Cl. 428-460.000.
  - Ushikubo, Hisao; Tsuda, Toru; and Takahashi, Ichiro, 4,824,501, Cl. 156-130.000.
- Takahashi, Ikuo: *See—*
  - Kanno, Tatsuya; Takahashi, Ikuo; Sasaki, Kenichi; Habe, Tsuyoshi; and Sei, Tsuyoshi, 4,831,110, Cl. 528-204.000.
- Takahashi, Ippei; and Iida, Akihisa, to Fuji Photo Film Co., Ltd. Surface inspecting apparatus. 4,868,403, 9-19-89, Cl. 250-563.000.
- Takahashi, Isami: *See—*
  - Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.
- Takahashi, Isao, to Kabushiki Kaisha Toshiba. Method and apparatus for controlling PWM inverter. 4,800,478, 1-24-89, Cl. 363-41.000.
- Takahashi, Isao; and Ohta, Takahiro, to Fuji Photo Film Co., Ltd. Device for recording image signals of photographic pictures. 4,802,017, 1-31-89, Cl. 358-335.000.
- Takahashi, Isao, to Fuji Photo Film Co., Ltd. Color contrast correction system for video images obtained from color film. 4,866,513, 9-12-89, Cl. 358-76.000.
- Takahashi, Isao: *See—*
  - Hashiguchi, Koichi; Tosaka, Akio; Irie, Toshio; and Takahashi, Isao, 4,830,686, Cl. 148-320.000.
  - Yokoyama, Taishi; Takahashi, Isao; and Sato, Masahiko, 4,817,546, Cl. 112-262.100.
- Takahashi, Jiro: *See—*
  - Takagiwa, Hiroyuki; Takahashi, Jiro; Shirose, Meizo; Akimoto, Kunio; and Uchida, Masafumi, 4,877,704, Cl. 430-99.000.
- Takahashi, Jun; Fukushima, Shigeru; Narumi, Toshikatu; Itoh, Ken-ichi; and Ogawa, Seiya, to Fujitsu Limited. Longitudinal magnetic coated recording medium. 4,822,634, 4-18-89, Cl. 427-48.000.
- Takahashi, Jun, to Kabushiki Kaisha Toshiba. Probe for magnetic resonance imaging system. 4,831,330, 5-16-89, Cl. 324-318.000.
- Takahashi, Jun: *See—*
  - Azuma, Makoto; Takahashi, Jun; Yamauchi, Hirohiko; and Ueda, Nobuo, 4,880,616, Cl. 424-1.100.
- Takahashi, Junichi; and Itoh, Yuji, to Canon Kabushiki Kaisha. Eye fundus camera. 4,799,783, 1-24-89, Cl. 351-206.000.
- Takahashi, Junichi; Kosaka, Daisuke; Eguchi, Hirotoshi; Matsumoto, Shoji; Akahori, Takashi; Yamazaki, Hiroshi; and Izumi, Kouji, to Ricoh Company, Ltd. Semiconductor diffusion type force sensing apparatus. 4,884,051, 11-28-89, Cl. 338-4.000.
- Takahashi, Junichi: *See—*
  - Itoh, Yuji; and Takahashi, Junichi, 4,856,890, Cl. 351-206.000.
  - Matsui, Takayuki; Okuyama, Toshiaki; Sukegawa, Takashi; and Takahashi, Junichi, 4,808,903, Cl. 318-800.000.
  - Matsui, Takayuki; Okuyama, Toshiaki; Matsutake, Mitsug- Takahashi, Junichi; and Ito, Masami, 4,884,184, Cl. 363-46.00
- Takahashi, Junji; and Kenmotsu, Isami, to Pioneer Electronic Corporation. Disk clamping device. 4,853,924, 8-1-89, Cl. 369-270.000.
- Takahashi, Junji: *See—*
  - Seto, Yasuhiko; and Takahashi, Junji, 4,829,501, Cl. 369-75.200.
  - Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
  - Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.
  - Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.
- Takahashi, Junya; and Nakamura, Shigeko, to Sumitomo Chemical Company, Limited. Dipropargyloxybenzene compounds and their production. 4,870,064, 9-26-89, Cl. 514-115.000.
- Takahashi, Junya: *See—*
  - Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.
- Takahashi, Kaneo: *See—*
  - Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaitsu, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.

- Takahashi, Kaoru, to Seiko Instruments Inc. Memory card having improved data protection. 4,810,864, 3-7-89, Cl. 235-487.000.
- Takahashi, Kaoru: *See—*
  - Murata, Masahiro; and Takahashi, Kaoru, 4,880,579, Cl. 264-26.000.
- Takahashi, Katsuaki; Miura, Yoshinari; Osaka, Akiyoshi; and Asada, Masayuki, to Kuraray Co., Ltd. Glass ceramics. 4,829,026, 5-9-89, Cl. 501-10.000.
- Takahashi, Katsuhiko; Nakashima, Tsuneyasu; Nakatsuji, Hiroshi; and Okada, Hiroshi, to Polyplastics Co., Ltd. Polyester composition. 4,859,741, 8-22-89, Cl. 525-123.000.
- Takahashi, Katsuhiro: *See—*
  - Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.
- Takahashi, Katsuhito, to Minigrip, Inc. Method of forming plastic fastener and plastic accessory strips and uniting the same with a film. 4,832,768, 5-23-89, Cl. 156-66.000.
- Takahashi, Katsuji: *See—*
  - Kariya, Kenichi; Noda, Masayuki; Yamaguchi, Takahiro; and Takahashi, Katsuji, 4,883,708, Cl. 428-263.000.
- Takahashi, Katsumi: *See—*
  - Inoue, Nobuyuki; Takahashi, Katsumi; and Imaizumi, Nobuo, 4,801,340, Cl. 148-103.000.
- Takahashi, Katsunobu: *See—*
  - Inada, Yuji; Tamaura, Yutaka; and Takahashi, Katsunobu, 4,814,098, Cl. 252-62.510
  - Inada, Yuji; and Takahashi, Katsunobu, 4,822,877, Cl. 540-145.000.
- Takahashi, Katsutoshi: *See—*
  - Ekimoto, Hisao; Suzuki, Masanobu; Izawa, Takao; Takahashi, Katsutoshi; Nakatani, Tokuji; and Fujii, Akio, 4,824,955, Cl. 546-266.000.
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,861,905, Cl. 556-40.000.
  - Nowatari, Hiroyoshi; Hayami, Hiroshi; Kuroda, Yasuo; Yoda, Sumio; and Takahashi, Katsutoshi, 4,864,043, Cl. 556-40.000.
  - Umezawa, Hamao; Fujii, Akio; Muraoka, Yasuhiko; Nakatani, Tokuji; Fukuoka, Takeyo; and Takahashi, Katsutoshi, 4,808,703, Cl. 530-322.000.
- Takahashi, Katsuya: *See—*
  - Kihara, Noriaki; Mukaiyama, Teruaki; Ishitoku, Takeshi; and Takahashi, Katsuya, 4,814,500, Cl. 564-104.000.
  - Takematsu, Tetsuo; Fukuoka, Daisuke; Takahashi, Katsuya; and Hashimoto, Isao, 4,838,924, Cl. 71-88.000.
- Takahashi, Kazuhiko: *See—*
  - Itoh, Tetsuo; Satoh, Noboru; Takahashi, Kazuhiko; Suminoe, Taro; and Shimizu, Takao, 4,882,403, Cl. 526-245.000.
- Takahashi, Kazuhiro; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Illumination optical system. 4,851,882, 7-25-89, Cl. 355-46.000.
- Takahashi, Kazuhisa: *See—*
  - Kawasaki, Keiichi; Takahashi, Kazuhisa; and Itoh, Yuji, 4,796,035, Cl. 346-108.000.
- Takahashi, Kazuki: *See—*
  - Shibata, Hiroki; Toda, Atsushi; Takahashi, Kazuki; and Wada, Kiyoshi, 4,860,601, Cl. 73-865.800.
- Takahashi, Kazuo, to Fuji Photo Film Co., Ltd. Processing head for electrophotographic apparatus. 4,797,644, 1-10-89, Cl. 355-10.000.
- Takahashi, Kazuo; and Kosugi, Masao, to Canon Kabushiki Kaisha. Step-and-repeat alignment and exposure method and apparatus. 4,843,563, 6-27-89, Cl. 364-490.000.
- Takahashi, Kazuo; and Kubo, Hiroyoshi, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,874,954, 10-17-89, Cl. 250-548.000.
- Takahashi, Kazuo: *See—*
  - Kemi, Ryuichi; Takahashi, Kazuo; and Fujita, Itaru, 4,825,247, Cl. 355-55.000.
  - Kuwabara, Takao; and Takahashi, Kazuo, 4,874,999, Cl. 318-610.000.
  - Ota, Masanori; Akutsu, Fumio; and Takahashi, Kazuo, 4,886,857, Cl. 525-74.000.
  - Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.
  - Yabu, Shuichi; Takahashi, Kazuo; and Yamane, Yukio, 4,869,481, Cl. 269-21.000.
- Takahashi, Kazuto: *See—*
  - Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
- Takahashi, Kazutomo; Kodama, Kazuo; and Saotome, Minoru, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Adhesive composition. 4,806,577, 2-21-89, Cl. 523-445.000.
- Takahashi, Kazutomo, to Kyoshin Industries Co., Ltd. Pipe connection device for scientific equipment. 4,865,363, 9-12-89, Cl. 285-323.000.
- Takahashi, Kazuya: *See—*
  - Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.
- Takahashi, Kazuyuki; Oe, Yasuhiro; and Yamamoto, Etushi, to Ryobi Ltd. Motor-driven chain saw braking/locking apparatus. 4,811,487, 3-14-89, Cl. 30-382.000.
- Takahashi, Keietsu: *See—*
  - Kurami, Miki; Shirakami, Yoshifumi; Takahashi, Keietsu; and Ueda, Nobuo, 4,855,353, Cl. 525-54.100.
- Takahashi, Keiichi: *See—*
  - Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.
  - Sato, Kazuhiko; Nishiura, Junji; and Takahashi, Keiichi, 4,862,071, Cl. 324-73.00R.
- Takahashi, Keiji; and Zennyoji, Mamoru, to Mitsuba Electric Mfg. Co., Ltd. Method of metering an air-gap in an electric rotating machine. 4,821,561, 4-18-89, Cl. 73-118.100.
- Takahashi, Keiko: *See—*
  - Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yukio; and Takahashi, Keiko, 4,868,879, Cl. 381-43.000.
  - Yamada, Youichi; and Takahashi, Keiko, 4,856,067, Cl. 381-45.000.
  - Yamada, Youichi; and Takahashi, Keiko, 4,882,755, Cl. 381-41.000.
- Takahashi, Keizo, to Yorica Koki Co., Ltd. Video printer. 4,868,661, 9-19-89, Cl. 358-185.000.
- Takahashi, Ken; and Yohda, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Magnetic head. 4,868,698, 9-19-89, Cl. 360-126.000.
- Takahashi, Ken; and Kabe, Kazuyuki, to Yokohama Rubber Co., Ltd., The. Heavy-duty pneumatic radial tire. 4,883,108, 11-28-89, Cl. 152-531.000.
- Takahashi, Ken: *See—*
  - Kabe, Kazuyuki; Takahashi, Ken; Kida, Masashi; and Harada, Saichi, 4,800,941, Cl. 152-531.000.
  - Kabe, Kazuyuki; Suzuki, Tatsuo; and Takahashi, Ken, 4,881,587, Cl. 152-534.000.
- Takahashi, Kenichi; and Yoshida, Noriyuki, to Sumitomo Electric Industries, Ltd. Method and apparatus for transmitting light. 4,832,444, 5-23-89, Cl. 350-96.260.
- Takahashi, Kenichi; Hasegawa, Makoto; and Makimoto, Mitsuo, to Matsushita Electric Industrial Co., Ltd. VHF-UHF mixer having a balun. 4,864,644, 9-5-89, Cl. 455-326.000.
- Takahashi, Kenichi; and Yoshida, Noriyuki. Crystalline optical fiber and its method of manufacture. 4,865,418, 9-12-89, Cl. 350-96.300.
- Takahashi, Kenichi: *See—*
  - Abiko, Kenji; Watanabe, Yoshio; Anzai, Noboru; and Takahashi, Kenichi, 4,826,025, Cl. 215-32.0SM.
  - Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, 4,832,144, Cl. 178-18.000.
  - Yagi, Hiroshi; Fujita, Hisashi; Harada, Yoshio; and Takahashi, Kenichi, 4,881,319, Cl. 29-840.000.
- Takahashi, Kenichiroh; Harao, Noriyuki; and Tanoue, Hiromi, to Matsushita Electric Industrial Co., Ltd. Driving apparatus for ultrasonic motor. 4,853,578, 8-1-89, Cl. 310-315.000.
- Takahashi, Kenichiroh; Inaba, Ritsuo; Sugano, Nobukazu; Harao, Horiyuki; Matsuyama, Yukihiro; Tanoue, Hiromi; and Kishi, Toru, to Matsushita Electric Industrial Co., Ltd. Driving apparatus for ultrasonic motor. 4,888,514, 12-19-89, Cl. 310-316.000.
- Takahashi, Kenichiroh: *See—*
  - Tanoue, Hiromi; Harao, Noriyuki; and Takahashi, Kenichiroh, 4,833,359, Cl. 310-316.000.
- Takahashi, Kenitiro; and Ueno, Yukichi, to Hitachi, Ltd. Method and apparatus for communication control in loop communication network. 4,814,761, 3-21-89, Cl. 340-825.050.
- Takahashi, Kenji, to Sony Corporation. Disk cartridge having shutters moved by a rack and pinion apparatus. 4,799,121, 1-17-89, Cl. 360-133.000.
- Takahashi, Kenji, to Sony Corporation. Disk cartridge. 4,807,079, 2-21-89, Cl. 360-133.000.
- Takahashi, Kenji, to Sony Corporation. Disk for recording and/or reproducing apparatus having magnetic chucking device. 4,829,510, 5-9-89, Cl. 369-290.000.
- Takahashi, Kenji; and Nemoto, Tsuneo, to Sony Corporation. Magnetic disk cartridge with erasure-preventing device. 4,860,127, 8-22-89, Cl. 360-60.000.
- Takahashi, Kenji, to Sony Corporation. Recording medium keeping case. 4,867,302, 9-19-89, Cl. 206-45.130.
- Takahashi, Kenji; Nakamura, Takashi; and Hosoi, Yuichi, to Fuji Photo Film Co., Ltd. Phosphor and radiation image storage panel. 4,876,161, 10-24-89, Cl. 428-691.000.
- Takahashi, Kenji: *See—*
  - Akiyama, Toshiyuki; Ozawa, Naoki; Ogino, Takeshi; and Takahashi, Kenji, 4,805,025, Cl. 358-213.260.
  - Arakawa, Satoshi; Miyahara, Junji; and Takahashi, Kenji, 4,800,136, Cl. 428-690.000.
  - Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, 4,883,961, Cl. 250-327.200.
  - Hosoi, Yuichi; Takahashi, Kenji; and Mori, Nobufumi, 4,851,677, Cl. 250-327.200.
  - Hosoi, Yuichi; Arakawa, Satoshi; Ishizaka, Hideo; Matsuda, Terumi; and Takahashi, Kenji, 4,864,134, Cl. 250-327.200.
  - Hosoi, Yuichi; Takahashi, Kenji; Mori, Nobufumi; and Noguchi, Masaru, 4,866,274, Cl. 250-327.200.
  - Hosoi, Yuichi; Arakawa, Satoshi; and Takahashi, Kenji, 4,879,202, Cl. 430-139.000.
  - Hosoi, Yuichi; and Takahashi, Kenji, 4,880,987, Cl. 250-484.100.
  - Katoh, Takayuki; Hosoi, Yuichi; and Takahashi, Kenji, 4,871,474, Cl. 252-301.40H.
  - Khe, Nguyen C.; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,868,079, Cl. 430-72.000.
  - Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, 4,794,775, Cl. 72-78.000.
  - Mimura, Itaru; Sato, Kazuhiro; Akiyama, Toshiyuki; Ozawa, Naoki; Kudo, Koji; Takahashi, Kenji; and Eto, Yoshizumi, 4,825,291, Cl. 358-213.190.

  - Mori, Nobufumi; Hosoi, Yuichi; and Takahashi, Kenji 4,851,676, Cl. 250-327.200.
  - Nakamura, Takashi; and Takahashi, Kenji, 4,801,806, Cl. 250-484.100.
  - Nishio, Yoshihiro; Nakamura, Masanobu; Fukawatase, Midori; and Takahashi, Kenji, 4,859,555, Cl. 430-72.000.
  - Ozawa, Naoki; Akiyama, Toshiyuki; Takahashi, Kenji; Mimura, Itaru; and Nakano, Takahiro, 4,884,129, Cl. 358-44.000.
  - Sunagawa, Hiroshi; Kawajiri, Kazuhiro; Nozaki, Nobuharu; Hosoi, Yuichi; and Takahashi, Kenji, 4,816,679, Cl. 250-327.200.
  - Yamaji, Yasuhiro; Takahashi, Kenji; Hirata, Seiichi; and Sakurai, Toshiharu, 4,855,807, Cl. 357-72.000.
- Takahashi, Kikuo: *See—*
  - Kagimasa, Toyohiko; Takahashi, Kikuo; Ono, Yoshie; and Yoshizumi, Seiichi, 4,851,989, Cl. 364-200.000.
  - Kagimasa, Toyohiko; Matsuda, Yoshiki; Takahashi, Kikuo; and Yoshizumi, Seiichi, 4,868,740, Cl. 364-200.000.
- Takahashi, Kimihide: *See—*
  - Kaneko, Kiyotaka; Oda, Kazuya; Takahashi, Kimihide; and Miyake, Izumi, 4,800,448, Cl. 360-35.100.
  - Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,825,324, Cl. 360-35.100.
  - Miyake, Izumi; Kaneko, Kiyotaka; Takahashi, Kimihide; and Oda, Kazuya, 4,827,332, Cl. 358-29.000.
- Takahashi, Kimio; Saito, Norihisa; and Takada, Kunio, to Canon Kabushiki Kaisha. Rotational polygon mirror and method of manufacturing the same. 4,826,271, 5-2-89, Cl. 350-6.800.
- Takahashi, Kimio; and Saito, Norihisa, to Canon Kabushiki Kaisha. Rotary polygonal mirror and method of making the same. 4,842,354, 6-27-89, Cl. 350-6.800.
- Takahashi, Kimiyo: *See—*
  - Sengoku, Masaharu; and Takahashi, Kimiyo, 4,887,173, Cl. 360-78.040.
- Takahashi, Kiyoh, to NEC Corporation. Data transmission control system. 4,803,681, 2-7-89, Cl. 370-85.000.
- Takahashi, Kiyohiko: *See—*
  - Ikariya, Toshiyuki; Takahashi, Kiyohiko; Shibazaki, Osamu; and Sakamoto, Nori, 4,834,310, Cl. 242-74.000.
- Takahashi, Kiyoshi; and Okada, Hisaki, to Brother Kogyo Kabushiki Kaisha. Carriage drive control device in a printing device. 4,802,778, 2-7-89, Cl. 400-624.000.
- Takahashi, Kiyoshi; Shimomura, Haruyuki; and Mizuno, Masaru, to Brother Kogyo Kabushiki Kaisha. Carriage drive unit for avoiding a loss time period in a printer. 4,806,029, 2-21-89, Cl. 400-144.200.
- Takahashi, Kiyoshi, to Brother Kogyo Kabushiki Kaisha. Printer adjusting the print hammer position for precise printing. 4,865,475, 9-12-89, Cl. 400-144.200.
- Takahashi, Kiyoshi; and Noda, Masayuki, to Sony Corporation. Head driving apparatus with coarse and fine adjustments. 4,875,120, 10-17-89, Cl. 360-106.000.
- Takahashi, Kiyoshi: *See—*
  - Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
  - Kagami, Isao; Hasegawa, Makoto; Yokota, Eiji; Takahashi, Kiyoshi; and Funahashi, Hiroyuki, 4,844,638, Cl. 400-636.000.
  - Nakazato, Katsuo; Tsuchiya, Hiroyoshi; Kurosawa, Toshiharu; Maruyama, Yuji; and Takahashi, Kiyoshi, 4,890,167, Cl. 358-443.000.
- Takahashi, Kiyotada, to Yachiyoda Kogyo Co., Ltd. Multi-spindle lathe. 4,813,315, 3-21-89, Cl. 82-142.000.
- Takahashi, Kiyotaka; and Arimoto, Kathuhiko, to Omron Tateisi Electronics Co. Device for accomodating cash enclosing envelopes. 4,838,480, 6-13-89, Cl. 232-43.300.
- Takahashi, Kiyotaka: *See—*
  - Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
- Takahashi, Kohji: *See—*
  - Toda, Kohji; Takahashi, Kohji; and Niwa, Yasuo, 4,835,007, Cl. 427-42.000.
- Takahashi, Kohsei: *See—*
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,806,994, Cl. 357-4.000.
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,824,518, Cl. 156-613.000.
  - Hayakawa, Toshiro; Suyama, Takahiro; Kondo, Masafumi; Takahashi, Kohsei; and Yamamoto, Saburo, 4,841,533, Cl. 372-45.000.
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,860,297, Cl. 372-45.000.
  - Suyama, Takahiro; Takahashi, Kohsei; Yamamoto, Saburo; Hayakawa, Toshiro; and Kondo, Masafumi, 4,807,235, Cl. 372-19.000.
  - Suyama, Takahiro; Hayakawa, Toshiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,835,783, Cl. 372-46.000.
- Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, to Fuji Photo Film Co., Ltd. Apparatus for adhering ribbons to cartridge shell plate. 4,862,579, 9-5-89, Cl. 04862567729-.000.
- Takahashi, Koichiro: *See—*
  - Numasaki, Yoso; Takahashi, Koichiro; and Ohata, Isao, 4,886,818, Cl. 514-345.000.
- Takahashi, Koji; and Masui, Toshiyuki, to Canon Kabushiki Kaisha. Multi-channel recording apparatus for a plurality of programs. 4,807,060, 2-21-89, Cl. 360-72.200.
- Takahashi, Koji, to Fuji Xerox Co., Ltd. Sorter for upwardly curving copy sheets. 4,822,024, 4-18-89, Cl. 271-296.000.
- Takahashi, Koji: *See—*
  - Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, 4,853,803, Cl. 360-72.200.
  - Kashida, Motokazu; Masui, Toshiyuki; Fukatsu, Tsutomu; Takahashi, Koji; Takei, Masahiro; and Nagasawa, Kenichi, 4,803,570, Cl. 360-61.000.
  - Kozuki, Susumu; Takahashi, Koji; Satoh, Keiji; Nagasawa, Kenichi; Edakubo, Hiroo; and Otokawa, Mitsuhiro, 4,879,609, Cl. 360-66.000.
  - Makino, Katsumi; Sasaki, Noboru; and Takahashi, Koji, 4,806,459, Cl. 430-544.000.
  - Masui, Toshiyuki; Kashida, Motokazu; Takahashi, Koji; and Nagasawa, Kenichi, 4,878,134, Cl. 360-77.150.
  - Nagasawa, Kenichi; Takahashi, Koji; Yasumura, Hiroto; Sato, Ohikara; and Nakayama, Tadayoshi, 4,870,509, Cl. 360-9.100.
  - Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, 4,812,920, Cl. 358-310.000.
  - Nawata, Yoshiaki; Ono, Kunihisa; Takahashi, Koji; and Kano, Yoshiyasu, 4,835,588, Cl. 357-36.000.
  - Ogawa, Tadashi; Takahashi, Koji, and Taguchi, Seiichi, 4,806,460, Cl. 430-504.000.
  - Ohta, Noboru; Takahashi, Koji; Suzuki, Tsuneo; and Tsuguta, Makoto, 4,796,086, Cl. 358-80.000.
  - Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, 4,825,307, Cl. 360-27.000.
  - Sato, Chikara; Nakayama, Tadayoshi; Takahashi, Koji; and Sasatani, Tomohiko, 4,797,741, Cl. 358-138.000.
  - Shikakura, Akihiro; Takahashi, Koji; Takei, Masahiro; and Sasatani, Tomohiko, 4,885,637, Cl. 358-133.000.
  - Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,0 Cl. 358-12.000.
  - Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, 4,878,128, Cl. 358-315.000.
  - Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, 4,882,632, Cl. 358-330.000.
  - Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, 4,864,430, Cl. 360-10.200.
- Takahashi, Koju: *See—*
  - Ohta, Noboru; Takahashi, Koju; and Suzuki, Tsuneo, 4,872,034, Cl. 355-77.000.
- Takahashi, Kosei: *See—*
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,845,724, Cl. 372-45.000.
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,852,111, Cl. 372-46.000.
  - Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kosei; and Kondo, Masafumi, 4,887,274, Cl. 372-45.000.
  - Suyama, Takahiro; Takahashi, Kosei; Kondo, Masafumi; and Hayakawa, Toshiro, 4,862,470, Cl. 372-45.000.
  - Taneya, Mototaka; Takahashi, Kosei; Hayakawa, Toshiro; Masui, Sadayoshi; Matsumoto, Mitsuhiro; and Hosoba, Hiroyuki, 4,890,293, Cl. 372-46.000.
- Takahashi, Kouji: *See—*
  - Kashida, Motokazu; Takei, Masahiro; Takahashi, Kouji; Masui, Toshiyuki; Fukatsu, Tsutomu; and Nagasawa, Kenichi, 4,807,057, Cl. 360-32.000.
  - Kashida, Motokazu; Kozuki, Susumu; Takimoto, Hiroyuki; Takahashi, Kouji; and Nagasawa, Kenichi, 4,811,120, Cl. 37-5.000.
  - Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.
  - Sawamura, Masahiko; and Takahashi, Kouji, 4,879,954, Cl. 108-6.000.
  - Takei, Masahiro; Masui, Toshiyuki; Kashida, Motokazu; and Takahashi, Kouji, 4,858,037, Cl. 360-60.000.
- Takahashi, Koushiro, to Matsushita Electric Industrial Co., Ltd. Sample and hold circuit. 4,823,027, 4-18-89, Cl. 307-353.000.
- Takahashi, Kozo; Masuda, Yoshihisa; and Inuki, Hisao, to Communications Research Laboratory, and Ministry of Posts and Telecommunications. Method and apparatus for detecting electromagnetic waves generated by the earth's crust under strain. 4,837,582, 6-6-89, Cl. 343-719.000.
- Takahashi, Kozo: *See—*
  - Hagihara, Hideaki; Fukunaga, Takahiro; Takahashi, Kozo; and Yoshiura, Shoichiro, 4,849,791, Cl. 355-298.000.
- Takahashi, Kunihiko, to Nec Corporation. Microwave relay station having a common standby channel for signals of different types of modulation. 4,878,228, 10-31-89, Cl. 375-3.000.
- Takahashi, Kyoko: *See—*
  - Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,810,825, Cl. 568-840.000.
  - Matsushita, Hajime; Shibagaki, Makoto; Takahashi, Kyoko; and Kuno, Hideyuki, 4,841,075, Cl. 549-341.000.
  - Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,847,424, Cl. 568-484.000.

  - Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,871,858, Cl. 546-244.000.
  - Matsushita, Hajime; Shibagaki, Makoto; and Takahashi, Kyoko, 4,880,937, Cl. 546-344.000.
- Takahashi, Mamoru; Imamura, Shigeyuki; and Takada, Masaki, to Toyo Jozo Kabushiki Kaisha. Glucose dehydrogenase and its production. 4,877,733, 10-31-89, Cl. 435-190.000.
- Takahashi, Masaaki: *See—*
  - Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.
- Takahashi, Masaatsu, to Diesel Kiki Co., Ltd. Mechanical governor for fuel injection pump, with reaction force adjusting mechanism for governor control lever. 4,802,451, 2-7-89, Cl. 123-373.000.
- Takahashi, Masaatsu, to Diesel Kiki Co., Ltd. Centrifugal governor for injection type internal combustion engine. 4,831,984, 5-23-89, Cl. 123-373.000.
- Takahashi, Masaharu; Take, Keiji; and Yoshida, Takeo, to Shin-Etsu Chemical Co., Ltd. Elastomer roll having a first layer of an organopolysiloxane composition and a second thin layer of a fluorine resin. 4,810,564, 3-7-89, Cl. 428-213.000.
- Takahashi, Masaharu; and Yoshida, Takeo, to Shin-Etsu Chemical Co., Ltd. Silicone rubber composition. 4,888,374, 12-19-89, Cl. 524-227.000.
- Takahashi, Masaharu: *See—*
  - Itoh, Kunio; Takahashi, Masaharu; Takita, Kenichi; and Yoshida, Takeo, 4,814,408, Cl. 528-24.000.
- Takahashi, Masahide: *See—*
  - Suzuki, Michio; Kawamura, Masao; Kato, Kunioki; Takahashi, Masahide; Morishita, Tsuyoshi; Nakayama, Kazuyuki; and Nakatsuka, Akio, 4,835,317, Cl. 568-66.000.
- Takahashi, Masahiko, to Fuji Jukogyo Kabushiki Kaisha. Pressure control valve. 4,819,690, 4-11-89, Cl. 137-514.000.
- Takahashi, Masahiro: *See—*
  - Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, 4,855,993, Cl. 370-16.000.
- Takahashi, Masakatsu, to Kabushiki Kaisha Hi Bridge. Measuring apparatus for blood pressure. 4,867,170, 9-19-89, Cl. 128-677.000.
- Takahashi, Masakatsu: *See—*
  - Fujisawa, Katsuhide; Takanaka, Toshimasa; Buseki, Hiroo; and Takahashi, Masakatsu, 4,802,698, Cl. 285-363.000.
- Takahashi, Masakatu: *See—*
  - Goto, Tokuju; Tanaka, Itsuo; Takahashi, Masakatu; Sando, Yoshikazu; and Ishidoshiro, Hiroshi, 4,829,189, Cl. 250-492.300.
- Takahashi, Masami; Tatsukawa, Eiji; Toru, Shunichi; and Kojima, Keiji, to Hitachi, Ltd.; and Hitachi Computer Consultant, Ltd. Buffer control method for quickly determining whether a required data block is in the buffer. 4,839,799, 6-13-89, Cl. 364-200.000.
- Takahashi, Masami: *See—*
  - Iida, Kazuyuki; Omori, Hiroyuki; Oonishi, Akiyoshi; and Takahashi, Masami, 4,829,111, Cl. 524-100.000.
  - Kitada, Hideki; Takahashi, Masami; Yagi, Toshiyuki; Sukeda, Masaaki; and Nakayama, Tadashi, 4,808,642, Cl. 524-87.000.
- Takahashi, Masamitsu, to Bankoku Needle Manufacturing Co., Ltd. Needle case. 4,802,581, 2-7-89, Cl. 206-380.000.
- Takahashi, Masamoto, to Canon Kabushiki Kaisha. Image data communication apparatus having an image data memory. 4,887,164, 12-12-89, Cl. 358-443.000.
- Takahashi, Masanobu: *See—*
  - Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, 4,811,773, Cl. 152-543.000.
- Takahashi, Masanori; and Uchida, Tatsuki, to Sanshin Kogyo Kabushiki Kaisha. Exhaust gas purifying device for marine engine. 4,848,082, 7-18-89, Cl. 60-285.000.
- Takahashi, Masanori: *See—*
  - Matsubara, Yasushi; Miyagawa, Minoru; and Takahashi, Masanori, 4,882,371, Cl. 523-406.000.
  - Torigai, Katsumi; and Takahashi, Masanori, 4,824,407, Cl. 440-1.000.
  - Torigai, Katsumi; and Takahashi, Masanori, 4,850,318, Cl. 123-352.000.
- Takahashi, Masaru: *See—*
  - Azuma, Nobuo; Takahashi, Masaru; Shibata, Akira; and Mikamo, Katsumi, 4,819,097, Cl. 360-35.100.
- Takahashi, Masatomo, to Canon Kabushiki Kaisha. Data communication apparatus. 4,823,193, 4-18-89, Cl. 358-257.000.
- Takahashi, Masatomo: *See—*
  - Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
  - Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Taketo, 4,878,123, Cl. 358-401.000.
  - Yoshino, Motoaki; Watanabe, Tsunehiro; Miura, Shigeo; Toyama, Takeshi; and Takahashi, Masatomo, 4,843,479, Cl. 358-257.000.
- Takahashi, Masatoshi: *See—*
  - Ryoke, Katsumi; Takahashi, Masatoshi; Okutu, Toshimitu; and Kosha, Hideaki, 4,803,121, Cl. 428-329.000.
  - Ryoke, Katsumi; Okutu, Toshimitu; Takahashi, Masatoshi; and Yamada, Yasuyuki, 4,866,060, Cl. 428-422.800.
  - Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Hanai, Kazuko, 4,880,692, Cl. 428-323.000.
  - Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Yoneyama, Takashi, 4,880,693, Cl. 428-323.000.
- Takahashi, Masayoshi: *See—*
  - Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki, Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
- Takahashi, Masayuki: *See—*
  - Takahashi, Fumitaka; Okazaki, Kunio; Shiraishi, Masaru; and Takahashi, Masayuki, 4,823,461, Cl. 29-612.000.
- Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashibe, Shoji; and Sawada, Yoshikazu, to Nippon Steel Corporation; and Eddio Corporation. Method and apparatus for non-destructively detecting defects in metal materials by using rotating magnetic fields generated by multiphase ac current. 4,818,935, 4-4-89, Cl. 213-232.000.
- Takahashi, Michiharu: *See—*
  - Natio, Yoshiyuki; and Takahashi, Michiharu, 4,862,174, Cl. 342-1.000.
- Takahashi, Miharu: *See—*
  - Fujita, Yoshihiro; Akiyama, Kazuhiro; and Takahashi, Miharu, 4,831,404, Cl. 354-403.000.
- Takahashi, Mikio: *See—*
  - Moribe, Yoshihiro; Takahashi, Mikio; and Beppu, Osamu, 4,825,313, Cl. 360-77.020.
  - Tahara, Toshiro; and Takahashi, Mikio, 4,858,468, Cl. 73-149.000.
- Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, to Tohoku Steel Co., Ltd.; and Canon Kabushiki Kaisha. Film type magnetic recording medium. 4,833,044, 5-23-89, Cl. 428-694.000.
- Takahashi, Minoru; and Kotani, Tsutomu, to TDK Corporation. Electrocardiograph. 4,840,183, 6-20-89, Cl. 128-715.000.
- Takahashi, Minoru; Sudou, Kiyoto; and Hirayama, Hiromitsu, to TDK Corporation. Ultrasonic wave nebulizer. 4,850,534, 7-25-89, Cl. 239-102.200.
- Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, to Fijitsu Ten Limited; and Toyota Jidosha Kabushiki Kaisha. Constant speed cruise control system of the duty ratio control type. 4,870,583, 9-26-89, Cl. 364-426.040.
- Takahashi, Minoru: *See—*
  - Eguchi, Hitoshi; Akiyama, Tsutomu; Kobayashi, Toshiyuki; Okada, Michio; Takahashi, Minoru; and Osawa, Yukio, 4,847,528, Cl. 310-239.000.
  - Fujita, Yoshihiro; Umetsu, Takao; Masaoka, Ysuyoshi; and Takahashi, Minoru, 4,831,402, Cl. 354-400.000.
  - Ishiguro, Minoru; and Takahashi, Minoru, 4,839,685, Cl. 354-403.000.
  - Kotani, Tsutomu; and Takahashi, Minoru, 4,805,633, Cl. 128-715.000.
  - Shinozawa, Yusaku; Takahashi, Minoru, and Nakamura, Tsunoru, 4,825,675, Cl. 72-105.000.
- Takahashi, Mitsugu: *See—*
  - Kaibuki, Shigeo; Watanabe, Shinpei; Takahashi, Mitsugu; and Moriya, Hiroshi, 4,860,424, Cl. 29-434.000.
- Takahashi, Mitsuo; Oyama, Fusami; and Kodama, Yukio, to Fuji Jukogyo Kabushiki Kaisha. Power transmitting system for a four-wheel drive vehicle. 4,805,721, 2-21-89, Cl. 180-248.000.
- Takahashi, Mitsuo, to Seikoh Giken Co., Ltd. Polishing apparatus for end faces of optical fibers. 4,831,784, 5-23-89, Cl. 51-131.100.
- Takahashi, Mitsuo, to Fuji Jukogyo Kabushiki Kaisha. Suspension system of motor vehicles. 4,842,297, 6-27-89, Cl. 280-675.000.
- Takahashi, Mitsuo: *See—*
  - Muto, Yoshio; Takahashi, Mitsuo; and Asako, Koji, 4,811,137, Cl. 360-77.200.
  - Tsuji, Ryohei; and Takahashi, Mitsuo, 4,851,241, Cl. 426-56.000.
- Takahashi, Motoaki, to Fuji Photo Film Co., Ltd. Apparatus for conveying sheet member. 4,840,369, 6-20-89, Cl. 271-276.000.
- Takahashi, Motoaki: *See—*
  - Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, 4,853,724, Cl. 354-277.000.
- Takahashi, Motoshi; Henmi, Kazuya; Chiba, Hiroshi; and Maegaki, Yasunobu, to Topre Corporation. Method and apparatus for measuring the shape, size, etc., of a rotary tool. 4,807,145, 2-21-89, Cl. 364-474.170.
- Takahashi, Muneharu, to Sumitomo Heavy Industries, Ltd. Inertia force balancing apparatus. 4,858,459, 8-22-89, Cl. 72-214.000.
- Takahashi, Mutsumi: *See—*
  - Terakawa, Takashige; Takahashi, Mutsumi; and Akaba, Noriyuki, 4,829,312, Cl. 343-756.000.
  - Terakawa, Takashige; Takahashi, Mutsumi; and akaba, Noriyuki, 4,841,308, Cl. 343-771.000.
- Takahashi, Naoto: *See—*
  - Yokota, Tetsuya; Sakamoto, Hideki; and Takahashi, Naoto, 4,855,147, Cl. 426-43.000.
- Takahashi, Naoya; Narui, Satoshi; and Matsuzaka, Eiichi, to Nippon Petrochemicals Co., Ltd. Pressure sensitive copy material. 4,879,269, 11-7-89, Cl. 503-213.000.
- Takahashi, Nobuatsu: *See—*
  - Takagi, Akira; Oyaizu, Hirotsugu; Takahashi, Nobuatsu; and Kume, Kiyotaka, 4,875,647, Cl. 248-74.300.
- Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, to Hokkai Can Co., Ltd. Apparatus for coating can barrels. 4,869,201, 9-26-89, Cl. 118-308.000.
- Takahashi, Nobuo, to NGK Insulators, Ltd. Method for measuring the thickness of a ceramic tubular molded body. 4,870,359, 9-26-89, Cl. 324-229.000.

Takahashi, Nobuo: *See*—

Maruyama, Osamu; Ishikawa, Hidenobu; and Takahashi, Nobuo, 4,855,334, Cl. 522-96.000.

Takahashi, Nobuyuki; and Kitahara, Hiroaki, to Anelva Corporation. Substrate processing apparatus. 4,825,808, 5-2-89, Cl. 118-719.000.

Takahashi, Noriaki: *See*—

Shimizu, Shigeki; Oshima, Akinobu; Ide, Hiroshi; and Takahashi, Noriaki, 4,863,835, Cl. 430-331.000.

Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, 4,828,936, Cl. 428-650.000.

Takahashi, Noriyoshi: *See*—

Abukawa, Toshimi; Tahara, Kazuo; Takahashi, Noriyoshi; and Tomite, Toshio, 4,823,037, Cl. 310-230.000.

Takahashi, Noriyuki: *See*—

Usui, Kiochi; Sato, Teiji; Tanaka, Masanori; and Takahashi, Noriyuki, 4,830,843, Cl. 423-331.000.

Takahashi, Osamu; Ogawa, Tadashi; Sakai, Minoru; and Toriuchi, Masaharu, to Fuji Photo Film Co., Ltd. Method for forming a color image comprising developing a light sensitive material containing a surfactant with a developer not containing benzyl alcohol. 4,797,349, 1-10-89, Cl. 430-372.000.

Takahashi, Osamu: *See*—

Ogawa, Tadashi; and Takahashi, Osamu, 4,857,449, Cl. 430-546.000.

Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, to Sanyo Electric Co., Ltd. Telephone call selector. 4,802,202, 1-31-89, Cl. 379-67.000.

Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, to Nissan Motor Co., Ltd.; and Mitsubishi Jukogyo Kabushiki Kaisha. Device for forming asymmetrical articles by rolling. 4,811,585, 3-14-89, Cl. 72-108.000.

Takahashi, Ryoichi; Ogawa, Seiichi; and Ohtawara, Isao, to Sanyo Electric Co., Ltd. Party selecting circuit arrangement. 4,817,133, 3-28-89, Cl. 379-199.000.

Takahashi, Ryoichi, to Kabushiki Kaisha Toshiba. Tuning device for nuclear magnetic resonance imaging apparatus and nuclear magnetic resonance imaging apparatus including the tuning device. 4,837,516, 6-6-89, Cl. 324-322.000.

Takahashi, Ryoichi: *See*—

Nara, Kenichi; and Takahashi, Ryoichi, 4,840,439, Cl. 312-116.000.

Takahashi, Ryozi: *See*—

Oshima, Yasuhiro; Hasegawa, Iwao; Kakinuma, Katsuji; and Takahashi, Ryozi, 4,847,118, Cl. 427-275.000.

Takahashi, Ryuichi, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent polymerizable compound and color forming system and comprising microcapsules having different mean grain sizes. 4,889,786, 12-26-89, Cl. 430-138.000.

Takahashi, Sadanobu: *See*—

Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Takahashi, Sadao, to Hitachi, Ltd. Mass spectrometer. 4,803,355, 2-7-89, Cl. 250-288.000.

Takahashi, Sadao: *See*—

Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.

Takahashi, Sadatoshi, to Canon Kabushiki Kaisha. Zoom lens. 4,810,072, 3-7-89, Cl. 350-427.000.

Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, to Canon Kabushiki Kaisha. Zoom lens capable of obtaining focal lengths beyond a variable focal length range. 4,830,477, 5-16-89, Cl. 350-428.000.

Takahashi, Sadatoshi; Ogawa, Hideki; and Endo, Hiroshi, to Canon Kabushiki Kaisha. Telephoto lens of large aperture ratio. 4,852,984, 8-1-89, Cl. 350-454.000.

Takahashi, Sadatoshi: *See*—

Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, 4,865,434, Cl. 350-430.000.

Takahashi, Sadayuki: *See*—

Nozaka, Kenkichi; Kawahara, Yosihiro; Kitamura, Yuji; Morita, Shigeru; and Takahashi, Sadayuki, 4,836,738, Cl. 414-607.000.

Takahashi, Sakae. Pin for spike tire. 4,809,756, 3-7-89, Cl. 152-210.000.

Takahashi, Sankichi: *See*—

Ishida, Masahiko; Haga, Ryooichi; Odawara, Yoji; Takahashi, Sankichi; and Ebara, Katsuya, 4,861,383, Cl. 127-67.000.

Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.

Takahashi, Satoji; and Sugiyama, Katsumi, to Ajinomoto Co., Inc. Method for production of N-protected-alpha-L-aspartyl-L-phenylalanine methyl ester. 4,824,994, 4-25-89, Cl. 560-38.000.

Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing optically active hydantoins. 4,812,406, 3-14-89, Cl. 435-280.000.

Takahashi, Satoru: *See*—

Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.

Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.

Takahashi, Satoshi: *See*—

Nagai, Keiichi; Tokinaga, Daizo; Imai, Kazumichi; Yasuda, Kenji; Takahashi, Satoshi; and Kobayashi, Teruaki, 4,824,778, Cl. 435-7.000.

Takahashi, Seiji: *See*—

Kurihara, Kazumasa; Takahashi, Seiji; and Kaneko, Yoshio, 4,878,791, Cl. 411-55.000.

Sakimori, Hideharu; Komatsu, Yoji; Ida, Daijiro; and Takahashi, Seiji, 4,845,821, Cl. 29-213.100.

Takahashi, Shigeo: *See*—

Shimei, Masato; Goto, Shigeki; and Takahashi, Shigeo, 4,799,404, Cl. 74-869.000.

Takahashi, Shigeru: *See*—

Fukuda, Takuya; Mochizuki, Yasuhiro; Momma, Naohiro; Takahashi, Shigeru; Suzuki, Noboru; Sonobe, Tadasi; Chiba, Kiyosi; and Suzuki, Kazuo, 4,876,983, Cl. 118-722.000.

Takahashi, Shigeyuki: *See*—

Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.

Takahashi, Shingo: *See*—

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,796,978, Cl. 350-337.000.

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,861,142, Cl. 350-345.000.

Takahashi, Shintaro: *See*—

Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.270.

Takahashi, Shiro, to Man Design Co., Ltd. Vice. 4,819,921, 4-11-89, Cl. 269-32.000.

Takahashi, Shiro, to Man Design Co., Ltd. Fluid pressure regulating apparatus. 4,880,034, 11-14-89, Cl. 138-40.000.

Takahashi, Shogo: *See*—

Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, 4,805,054, Cl. 360-97.010.

Omura, Etsuji; Goto, Katsuhiko; Takahashi, Shogo; Namba, Harumi; and Takemoto, Akira, 4,888,781, Cl. 372-46.000.

Takahashi, Shoji: *See*—

Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.

Okafuji, Yukitaka; Tajima, Kunio; Sumiuchi, Masaharu; Adachi, Masami; and Takahashi, Shoji, 4,830,693, Cl. 156-132.000.

Takahashi, Shuichi, to Ricoh Company, Ltd. Time limited data communication system. 4,823,376, 4-18-89, Cl. 379-100.000.

Takahashi, Shuichi; and Koshiishi, Takaho, to Ricoh Company, Ltd. Dual connection mode equipped communication control apparatus. 4,837,812, 6-6-89, Cl. 379-98.000.

Takahashi, Shuji: *See*—

Inaoka, Yoshinori; Takahashi, Shuji; Tamaoki, Hidetsune; and Enokita, Ryuzo, 4,804,676, Cl. 514-423.000.

Isoi, Toshihiro; Sato, Masakazu; and Takahashi, Shuji, 4,833,04 Cl. 429-72.000.

Ogawa, Hiroyasu; Kogo, Yasuo; Takahashi, Shuji; and Suzuki, Yasuo, 4,883,712, Cl. 428-367.000.

Takahashi, Shunzo; and Nishioka, Masaaki, to CSK Corporation. Optical recording medium. 4,817,067, 3-28-89, Cl. 369-44.000.

Takahashi, Shunzo: *See*—

Kimura, Fumio; Takahashi, Shunzo; and Hamasaki, Yukio, 4,855,981, Cl. 369-44.000.

Takahashi, Shuzo: *See*—

Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; and Hasebe, Nobuhisa, 4,807,692, Cl. 164-430.000.

Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hiroshi; Ozeki, Akichika; and Hasebe, Nobuhisa, 4,821,790, Cl. 164-430.000.

Takahashi, Sueo: *See*—

Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.

Takahashi, Sumio: *See*—

Sasaki, Yoshinori; Kuroshima, Toshihiro; and Takahashi, Sumio, 4,845,452, Cl. 336-200.000.

Watabe, Seiji; Yokoyama, Isao; Maeda, Tsutomu; Shibuya, Koichi; and Takahashi, Sumio, 4,841,267, Cl. 335-210.000.

Takahashi, Susumu, to Kanto Yakin Kogyo Kabushiki Kaisha. High temperature heating furnace. 4,873,423, 10-10-89, Cl. 219-390.000.

Takahashi, Susumu: *See*—

Hasegawa, Akira; Takahashi, Susumu; Tsuji, Kiyoshi; Nishioka, Kimihiko; and Matsui, Hiroshi, 4,882,619, Cl. 358-55.000.

Kobayashi, Katsuhiko; and Takahashi, Susumu, 4,848,899, Cl. 351-243.000.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenchi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Usagawa, Toshiyuki; Shiraki, Yasuhiro; Ono, Yuichi; Takahashi, Susumu; and Hashimoto, Norikazu, 4,805,005, Cl. 357-22.000.

Yamashita, Nobuo; Takahashi, Susumu; and Matsui, Hiroshi, 4,824,205, Cl. 350-96.250.

Takahashi, Syuko: *See*—

Ishii, Takatoshi; and Takahashi, Syuko, 4,849,931, Cl. 364-900.000.

Takahashi, Tadahiro, to Diesel Kiki Co., Ltd. Air conditioning system for automotive vehicles. 4,856,291, 8-15-89, Cl. 62-217.000.

Takahashi, Tadahiro, to Diesel Kiki Co., Ltd. Air-conditioning control system for automotive vehicles. 4,856,293, 8-15-89, Cl. 62-228.300.

Takahashi, Tadahiro; Ooi, Shinichi; and Takemasa, Masami, to Diesel Kiki K.K. Air-conditioning equipment for vehicle. 4,871,011, 10-3-89, Cl. 165-16.000.

Takahashi, Tadashi, to Kabushiki Kaisha Toshiba. Protection circuit for a thyristor converter. 4,796,146, 1-3-89, Cl. 361-91.000.

Takahashi, Tadashi; Yamashita, Seizi; Miyashita, Kunio; and Kawamata, Syooichi, to Hitachi, Ltd. Apparatus for magnetically detecting position or speed or moving body utilizing bridge circuit with series connected MR elements. 4,818,939, 4-4-89, Cl. 324-208.000.

Takahashi, Tadashi: *See*—

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, 4,882,478, Cl. 250-211.00R.

Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamsmura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.

Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Yoshida, Tsukasa; Ishige, Yoshio; Matsudaira, Masaki; and Takahashi, Tadashi, 4,840,807, Cl. 426-48.000.

Takahashi, Takahiko: *See*—

Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, 4,868,068, Cl. 428-596.000.

Takahashi, Takao: *See*—

Ishido, Takao; Sasaki, Shougo; and Takahashi, Takao, 4,838,321, Cl. 139-20.000.

Miyajima, Goh; and Takahashi, Takao, 4,816,796, Cl. 335-306.000.

Takahashi, Takashi. Transmission for controlled equipment. 4,803,891, 2-14-89, Cl. 74-409.000.

Takahashi, Takashi: *See*—

Usami, Katsuyuki; Ueki, Toru; Sentoku, Hajime; Takahashi, Takashi; and Kanezaki, Kazuharu, 4,869,938, Cl. 428-34.300.

Yamashita, Yohachi; Furukawa, Osamu; Harata, Mitsuo; and Takahashi, Takashi, 4,818,736, Cl. 501-136.000.

Takahashi, Takayuki: *See*—

Mori, Shigeru; and Takahashi, Takayuki, 4,840,739, Cl. 252-17.000.

Takahashi, Takehiko; Katou, Hitoshi; and Kaneko, Tomihiro, to Combi Co., Ltd. Foot cover for baby buggy. 4,846,521, 7-11-89, Cl. 296-77.100.

Takahashi, Takehiko; Saito, Hideo; Watanabe, Takashi; and Kaneko, Tomihiro, to Combi Co., Ltd. On-vehicle auxiliary seat for infant. 4,880,277, 11-14-89, Cl. 297-467.000.

Takahashi, Takeo: *See*—

Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.

Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, to Toyota Jidosha Kabushiki Kaisha; and Ono Sokki Co., Ltd. Measuring device for measuring a fuel injection quantity. 4,798,084, 1-17-89, Cl. 73-119.00A.

Takahashi, Takeshi, to Toyota Jidosha Kabushiki Kaisha. Piezoelectric actuator. 4,803,393, 2-7-89, Cl. 310-328.000.

Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, to Shimizu Construction Co., Ltd. Radio wave leakage diagnosing system for intelligent building. 4,810,961, 3-7-89, Cl. 324-95.000.

Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, to Shimizu Construction Co., Ltd. System for detecting and processing abnormality in electromagnetic shielding of intelligent buildings. 4,814,694, 3-21-89, Cl. 324-95.000.

Takahashi, Takeshi, to Toyota Jidosha kabushiki Kaisha. Fuel injection control device of an internal combustion engine. 4,841,936, 6-27-89, Cl. 123-447.000.

Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; and Takamura, Akio, to Toyota Jidosha Kabushiki Kaisha; and Ono Sokki Co., Ltd. Measuring apparatus of volume of an injected fluid. 4,858,466, 8-22-89, Cl. 73-119.00A.

Takahashi, Takeshi; Nakamura, Masatake; Yabana, Yoshiji; Ishikawa, Toshiyuki; and Nagata, Koji, to Shimizu Construction Co., Ltd. Building with electromagnetic shield structure for individual floors. 4,889,958, 12-26-89, Cl. 174-35.0MS.

Takahashi, Takeshi: *See*—

Kawakami, Yoshihiko; Hamada, Yoshitsugu; Takahashi, Takeshi; and Yotsuyanagi, Junji, 4,828,135, Cl. 220-270.000.

Kodama, Akinori; and Takahashi, Takeshi, 4,877,149, Cl. 220-267.000.

Sakamoto, Katsuyoshi; and Takahashi, Takeshi, 4,843,704, Cl. 29-568.000.

Sawada, Daisaku; and Takahashi, Takeshi, 4,858,439, Cl. 60-583.000.

Takahashi, Taketo: *See*—

Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Taketo, 4,878,123, Cl. 358-401.000.

Ohsaki, Saburou; Takahashi, Taketo; and Miki, Toshihiro, 4,877,962, Cl. 250-442.100.

Takahashi, Takeyoshi: *See*—

Hagiwara, Yoshiaki; Ishida, Hiromi; and Takahashi, Takeyoshi, 4,840,491, Cl. 366-69.000.

Takahashi, Takuji: *See*—

Kohtoku, Yasuhiko; Kunisawa, Teturo; and Takahashi, Takuji, 4,812,298, Cl. 423-327.000.

Takahashi, Tastuhiko: *See*—

Nara, Toshihiko; Takahashi, Tastuhiko; Tanaka, Masakatsu; Maue, Yusho; Tanaka, Naoyuki; Isono, Masaaki; and Nakamura, Yozo, 4,846,309, Cl. 187-20.000.

Takahashi, Tatsuo: *See*—

Shirouzu, Tatsuji; Takahashi, Tatsuo; Sato, Motoo; and Mizuno, Satoshi, 4,862,313, Cl. 361-102.000.

Takahashi, Ted H., to California Institute of Technology. Levered connector extractor. 4,805,298, 2-21-89, Cl. 29-764.000.

Takahashi, Teruhisa; and Mizuhashi, Toshihiko, to Usui Kokusai Sangyo Kabushiki Kaisha. Seam welded steel pipe proofed against corrosion and provided with coating for preventing fluid from oxidation and method for production thereof. 4,795,503, 1-3-89, Cl. 148-127.000.

Takahashi, Teruhisa; and Kajiyama, Masashi, to Usui Kokusai Sangyo Kabushiki Kaisha. Multilayer coated corrosion resistant metal pipe. 4,853,297, 8-1-89, Cl. 428-623.000.

Takahashi, Tetsuhiko: *See*—

Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.

Takahashi, Tetsuo; and Araya, Shinichi, to TDK Corporation. Circuit element mounting system and method. 4,805,110, 2-14-89, Cl. 364-468.000.

Takahashi, Tohru; Kitajima, Nobuo; and Kawamura, Naoto, to Canon Kabushiki Kaisha. Image processing method. 4,853,752, 8-1-89, Cl. 355-77.000.

Takahashi, Tohru: *See*—

Kuroki, Junsuke; Takahashi, Tohru; and Ito, Ken, 4,796,911, Cl. 280-689.000.

Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.

Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.

Takahashi, Tokihiro: *See*—

Tsuchida, Masami; Suzuki, Shiro; Koguchi, Kiichiro; Takahashi, Tokihiro; and Sato, Takayuki, 4,887,170, Cl. 360-15.000.

Wakumura, Shinichi; and Takahashi, Tokihiro, 4,872,171, Cl. 371-40.100.

Takahashi, Tokuyuki: *See*—

Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.

Itoh, Hiroshi; and Takahashi, Tokuyuki, 4,825,368, Cl. 364-424.100.

Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, 4,840,247, Cl. 180-249.000.

Kato, Nobuyuki; Takahashi, Tokuyuki; and Itoh, Hiroshi, 4,840,263, Cl. 192-109.00F.

Takada, Mitsuru; Itoh, Hiroshi; and Takahashi, Tokuyuki, 4,867,262, Cl. 180-249.000.

Takahashi, Tomoaki: *See*—

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,796,978, Cl. 350-337.000.

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,861,142, Cl. 350-345.000.

Takahashi, Tomonori: *See*—

Kawasaki, Shinji; and Takahashi, Tomonori, 4,855,263, Cl. 501-92.000.

Matsui, Minoru; and Takahashi, Tomonori, 4,804,589, Cl. 428-698.000.

Matsui, Minoru; and Takahashi, Tomonori, 4,816,349, Cl. 428-698.000.

Matsui, Minoru; and Takahashi, Tomonori, 4,882,109, Cl. 264-62.000.

Oda, Isao; and Takahashi, Tomonori, 4,843,040, Cl. 501-92.000.

Shirai, Masahiro; and Takahashi, Tomonori, 4,818,733, Cl. 501-97.000.

Soma, Takao; and Takahashi, Tomonori, 4,795,724, Cl. 501-98.000.

Soma, Takao; and Takahashi, Tomonori, 4,801,414, Cl. 264-65.000.

Takahashi, Tooru: *See*—

Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, 4,827,180, Cl. 313-404.000.

Takahashi, Toru, to Shin-Etsu Handotai Co., Ltd. Czochralski method for single crystal growing of a compound semiconductor. 4,846,927, 7-11-89, Cl. 156-618.100.

Takahashi, Toshihiro; Nakamaru, Koichi; Suzuki, Yoshikuni; and Horaguchi, Tatsuo, to Nisshin Flour Milling Co., Ltd. 4-Thioquinazoline derivatives as antiulcer agents. 4,829,069, 5-9-89, Cl. 514-259.000.

Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, to Nisshin Flour Milling Co., Ltd. 2-Alkylsulfinyl-4(3H)-quinazolinone derivatives and pharmaceutical compositions. 4,833,144, 5-23-89, Cl. 514-259.000.

Takahashi, Toshihiro; Horaguchi, Tatsuo; Nakamaru, Koichi; and Suzuki, Yoshikuni, to Nisshin Flour Milling Co., Ltd. 4(3H)-quinazolinone derivatives and pharmaceutical compositions. 4,861,780, 8-29-89, Cl. 514-259.000.

Takahashi, Toshihiro: *See*—
- Tahara, Yoshiyuki; Koyama, Hiroyasu; Komatsu, Yasuhiro; Kubota, Reiko; and Takahashi, Toshihiro, 4,857,529, Cl. 514-255.000.

Takahashi, Toshihisa: *See*—
- Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, 4,886,028, Cl. 123-479.000.

Takahashi, Toshimitsu; Shiba, Takashi; Fujita, Yuji; and Yamada, Jun, to Hitachi, Ltd. Surface acoustic wave filter with capacitive phase shifter. 4,818,961, 4-4-89, Cl. 333-194.000.

Takahashi, Toshinori: *See*—
- Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.

Takahashi, Toshio: *See*—
- Ohara Toshio; Takahashi, Toshio; Nishikawa, Masayoshi; Niwa, Tutomu; Ogino, Takao; Sako, Ryosuke; and Kaneko, Hideaki, 4,830,101, Cl. 165-133.000.
- Yamauchi, Yoshiyuki; Ohhara, Toshio; Ogawa, Shinji; Kuroyanagi, Isao; Otsuka, Haruhiko; Takahashi, Toshio; and Kasebe Osamu, 4,821,531, Cl. 62-515.000.

Takahashi, Toshiro; Kuwabara, Kenichi; and Okada, Masahiro, to Fuji Photo Film Co., Ltd. Silver halide photographic materials. 4,803,149, 2-7-89, Cl. 430-264.000.

Takahashi, Toshiro; Kuwabara, Kenichi; Kameoka, Kimitaka; and Okada, Masahiro, to Fuji Photo Film Co., Ltd. Silver halide photographic materials for photochemical process which can be used in a bright room. 4,818,659, 4-4-89, Cl. 430-264.000.

Takahashi, Toshiro: *See*—
- Ishigaki, Kunio; Takahashi, Toshiro; Mihara, Yuji; Adachi, Keiichi; Ohno, Shigeru; Okada, Masahiro; and Saeki, Naomi, 4,879,204, Cl. 430-512.000.
- Kuwabara, Kenichi; Takahashi, Toshiro; Adachi, Keiichi; and Okada, Masahiro, 4,830,950, Cl. 430-264.000.
- Miyata, Junji; Kuwabara, Kenichi; Takahashi, Toshiro; Inagaki, Yoshio; and Hirano, Shigeo, 4,847,180, Cl. 430-264.000.

Takahashi, Toshitada; Ueda, Ryuzo; and Ohta, Kazuo, to Takahashi, Toshitada. Monoclonal antibodies to human leukocyte antigens. 4,855,235, 8-8-89, Cl. 435-240.270.

Takahashi, Toshiya; and Iwasaki, Junichi, to NEC Corporation. Rounding unit for use in arithmetic processing of floating point data. 4,796,217, 1-3-89, Cl. 364-745.000.

Takahashi, Toshiya: *See*—
- Ohno, Kiyotaka; Takahashi, Toshiya; and Nishio, Shintaro, 4,880,939, Cl. 549-458.000.

Takahashi, Toyoharu: *See*—
- Ogata, Taizo; Takahashi, Toyoharu; and Koshiba, Kenji, 4,878,982, Cl. 156-361.000.

Takahashi, Toyohiko: *See*—
- Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.

Takahashi, Toyoki: *See*—
- Yamaoka, Masayoshi; Tsutsui, Kiyomi; Inoue, Tadashi; and Takahashi, Toyoki, 4,888,993, Cl. 73-760.000.

Takahashi, Tsuneo: *See*—
- Yagi, Toru; Takahashi, Tsuneo; and Nishiguchi, Masayuki, 4,817,444, Cl. 73-862.360.

Takahashi, Tsutomu, to Canon Kabushiki Kaisha. Output apparatus with suppression of underscoring of blank characters. 4,808,016, 2-28-89, Cl. 400-17.000.

Takahashi, Tsutomu; Itou, Shinji; Oshita, Saiichiro; and Mouri, Toyohiko, to Fuji Jukogyo Kabushiki Kaisha. Electric power steering system. 4,834,203, 5-30-89, Cl. 180-79.100.

Takahashi, Tsutomu, to Canon Kabushiki Kaisha. Document processor. 4,841,478, 6-20-89, Cl. 364-900.000.

Takahashi, Tsutomu, to Canon Kabushiki Kaisha. Electronic apparatus for outputting information with equal spaces between groups thereof. 4,863,298, 9-5-89, Cl. 400-279.000.

Takahashi, Tsutomu: *See*—
- Ito, Iko; Toyoshima, Yoshiki; Takagishi, Hisao; and Takahashi, Tsutomu, 4,876,371, Cl. 549-517.000.
- Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,824,530, Cl. 204-26.000.
- Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,826,578, Cl. 204-26.000.
- Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,879,185, Cl. 428-687.000.
- Oshita, Saiichiro; Mouri, Toyohiko; and Takahashi, Tsutomu, 4,842,088, Cl. 180-79.100.
- Oshita, Saiichiro; Mouri, Toyohiko; Takahashi, Tsutomu; and Itou, Shinji, 4,875,541, Cl. 180-79.100.

Takahashi, Tsuyoshi; and Adachi, Souichi, to Sanei-Kisetsu Co., Ltd. Apparatus for manufacturing short inorganic fibers. 4,808,097, 2-28-89, Cl. 425-8.000.

Takahashi, Tsuyoshi: *See*—
- Nishida, Hiroshi; and Takahashi, Tsuyoshi, 4,814,916, Cl. 360-106.000.
- Suzuki, Masami; Nishida, Hiroshi; Naruse, Jun; Takahashi, Tsuyoshi; and Suzuki, Tomio, 4,795,928, Cl. 310-13.000.
- Suzuki, Masami; Nishida, Hiroshi; Suzuki, Tomio; Kawamura, Katsumi; and Takahashi, Tsuyoshi, 4,812,934, Cl. 360-106.000.

Takahashi, William H.: *See*—
- Canonge, Sidney J., 4,873,773, Cl. 34-90.000.

Takahashi, Yasufumi: *See*—
- Kamisaka, Tadayuki; Yagi, Kazuo; Takahashi, Yasufumi; and Nakamura, Shigeki, 4,843,352, Cl. 332-22.000.
- Nakamura, Shigeki; and Takahashi, Yasufumi, 4,856,027, Cl. 375-81.000.

Takahashi, Yasuhiro: *See*—
- Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hiroshi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.
- Miyaji, Katsuaki; Arai, Kazutaka; Ohara, Yoshio; and Takahashi, Yasuhiro, 4,837,344, Cl. 549-319.000.

Takahashi, Yasuhito; Sakai, Shigeru; and Inoue, Yoshimasa, to Sumitomo Metal Mining Company Limited. Catalysts for hydrotreating hydrocarbons and method of activating the same. 4,845,068, 7-4-89, Cl. 502-168.000.

Takahashi, Yasuo, to Kato Hatsujo Kaisha, Ltd. Hose clamp furnished with tacking function. 4,882,814, 11-28-89, Cl. 24-20.00R.

Takahashi, Yasushi, and Takanashi, Kenichi, to Ricoh Company, Ltd. Fθ lens system for use in light scanning device. 4,846,539, 7-11-89, Cl. 350-6.800.

Takahashi, Yasushi: *See*—
- Ishimura, Hidekazu; Otsuka, Masahiko; Takahashi, Yasushi; and Ishikawa, Tadayoshi, 4,833,226, Cl. 528-45.000.
- Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, 4,818,995, Cl. 341-94.000.

Takahashi, Yasuyuki: *See*—
- Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, 4,817,032, Cl. 364-900.000.

Takahashi, Yohji: *See*—
- Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, 4,843,021, Cl. 436-533.000.

Takahashi, Yoji: *See*—
- Okada, Itaru; Okui, Shuko; Nishimata, Mana; Takahashi, Yoji; and Fukuchi, Toshiki, 4,861,777, Cl. 514-234.500.

Takahashi, Yoko: *See*—
- Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.

Takahashi, Yoneaki; and Sekikawa, Keiji, to Kayaba Industry Co., Ltd. Control valve. 4,836,245, 6-6-89, Cl. 137-599.000.

Takahashi, Yonosuke: *See*—
- Yabe, Masao; and Takahashi, Yonosuke, 4,821,050, Cl. 346-137.000.

Takahashi, Yoshiaki, to Hitachi, Ltd.; and Hitachi Device Eng. Co., Ltd. Electron gun apparatus with auxiliary electrodes for a color cathode-ray tube. 4,825,120, 4-25-89, Cl. 313-414.000.

Takahashi, Yoshiaki: *See*—
- Nakamura, Tadashi; Kitabatake, Yaosuo; Takahashi, Yoshiaki; and Maeda, Kazuya, 4,859,560, Cl. 430-137.000.
- Shirai, Shoji; Komoro, Hidemasa; Takahashi, Yoshiaki; Fukushima, Masakazu; and Majima, Kazuo, 4,833,365, Cl. 313-414.000.
- Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.
- Umezawa, Sumio; Tsuchiya, Tsutomu; Takeuchi, Tomio; Umezawa, Kazuo; Takahashi, Yoshiaki; Shotara, Tetsuo; Kobayashi, Yoshihiko; and Takagi, Yasushi, 4,873,225, Cl. 514-41.000.

Takahashi, Yoshifumi: *See*—
- Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takano, Tsutomu; Hagiwara, Akira; and Ishii, Yoshiaki, 4,822,211, Cl. 405-154.000.

Takahashi, Yoshiharu, to Konica Corporation. Distance measurement apparatus for camera. 4,827,302, 5-2-89, Cl. 354-403.000.

Takahashi, Yoshiharu: *See*—
- Ohtsuka, Katsuyuki; and Takahashi, Yoshiharu, 4,844,838, Cl. 252-629.000.

Takahashi, Yoshihiko, to Kabushiki Kaisha Toshiba. Frictionless moving device for an optical recording system in a high density spiral track-forming apparatus capable of resisting disturbing forces. 4,825,432, 4-25-89, Cl. 369-255.000.

Takahashi, Yoshihiko, to Kabushiki Kaisha Toshiba. Moving device for an optical recording system in a high density spiral track-forming apparatus. 4,849,955, 7-18-89, Cl. 369-51.000.

Takahashi, Yoshihiro: *See*—
- Abe, Hiraku; Takahashi, Yoshihiro; and Shimojima, Yoji, 4,806,751, Cl. 250-231.0SE.
- Matsui, Mizuo; Ohtomo, Fumio; Sato, Koji; and Takahashi, Yoshihiro, 4,820,264, Cl. 604-21.000.

Takahashi, Yoshihito: *See*—
- Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,900, Cl. 400-120.000.

Takahashi, Yoshikazu; and Nishiyama, Toshio, to Mitsuba Electric Mfg. Co., Ltd. Vacuum actuator for vehicle speed control. 4,799,418, 1-24-89, Cl. 91-449.000.

Takahashi, Yoshikazu: *See*—
- Umezawa, Hamao, deceased; Takeuchi, Tomio; Tatsuta, Kuniaki; and Takahashi, Yoshikazu, 4,818,818, Cl. 536-6.400.

Takahashi, Yoshimi: *See*—
- Nagashima, Yoshimitsu; Fukui, Yojiro; and Takahashi, Yoshimi, 4,830,525, Cl. 400-472.000.

Takahashi, Yoshinobu; Hibino, Ikukazu; Mori, Takanobu; and Ogata, Kentaro, to Toyota Jidosha Kabushiki Kaisha. Method for electrodeposition coating. 4,844,783, 7-4-89, Cl. 204-180.200.

Takahashi, Yoshinobu: *See*—
- Fukuta, Kenji; Kaneko, Takaoki; and Takahashi, Yoshinobu, 4,874,453, Cl. 156-345.000.
- Hibino, Ikukazu; and Takahashi, Yoshinobu, 4,824,538, Cl. 204-180.200.

Takahashi, Yoshio: *See*—
- Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,886,822, Cl. 514-357.000.
- Shimanuki, Haruki; Maki, Takao; and Takahashi, Yoshio, 4,883,325, Cl. 303-96.000.

Takahashi, Yoshitaka; Takahashi, Yasushi; Nakano, Yukio; Hori, Akihiro; Maeda, Minoru; Miyano, Yoshihiko; Tokizawa, Ikuo; and Sumida, Masatoyo, to Hitachi Ltd.; and Nippon Telegraph and Telephone Corporation. Parallel transmission system. 4,818,995, 4-4-89, Cl. 341-94.000.

Takahashi, Yoshitaka: *See*—
- Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-48.000.

Takahashi, Yoshiyuki: *See*—
- Ueshima, Michio; Takahashi, Yoshiyuki; Tsuchino, Masatoshi; and Saito, Noboru, 4,814,512, Cl. 568-432.000.

Takahashi, Younosuke; and Kuriyama, Takayuki, to Fuji Photo Film Co., Ltd. Information recording medium. 4,883,741, 11-28-89, Cl. 430-270.000.

Takahashi, Yuji; Yamanaka, Yoshimi; and Ishikawa, Yutaka, to Canon Kabushiki Kaisha. Image forming apparatus. 4,819,025, 4-4-89, Cl. 355-14.00R.

Takahashi, Yukio: *See*—
- Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
- Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, 4,867,649, Cl. 417-222.00S.
- Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.

Takahashi, Yukoh: *See*—
- Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.

Takahashi, Yushi: *See*—
- Mishima, Haruo; Yamada, Yukio; Mukai, Noriaki; and Takahashi, Yushi, 4,809,443, Cl. 34-73.000.

Takahashi, Yutaka, to Olympus Optical Co., Ltd. Electronic endoscope. 4,867,137, 9-19-89, Cl. 128-6.000.

Takahashi, Yutaka: *See*—
- Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,859,095, Cl. 400-124.000.
- Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,871,271, Cl. 400-124.000.

Takahashi, Yuusuke: *See*—
- Sakurada, Muneo; and Takahashi, Yuusuke, 4,842,047, Cl. 165-43.000.

Takahashi, Yuzo: *See*—
- Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.

Takahashi, Yuzuru: *See*—
- Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,874, Cl. 72-199.000.

Takahasi, Kenitiro: *See*—
- Nogami, Taro; Miwa, Tetsuyuki; and Takahasi, Kenitiro, 4,822,168, Cl. 356-319.000.

Takahasi, Kenji, to Sony Corporation. Disk cartridge with releasable latching shutter. 4,797,770, 1-10-89, Cl. 369-291.000.

Takahasi, Koji: *See*—
- Ando, Masahiro; Morita, Osamu; Kashimura, Kazunori; Sasaki, Takahide; Chikamoto, Kouichi; Takahasi, Koji; and Nagasawa, Kenichi, 4,868,924, Cl. 360-96.500.

Takahasi, Kunimasa: *See*—
- Oda, Kyoko; Takahasi, Kunimasa; and Seo, Iwao, 4,874,598, Cl. 423-598.000.

Takahaski, Kenji: *See*—
- Hosoi, Yuichi; and Takahaski, Kenji, 4,873,438, Cl. 250-327.200.

Takahaski, Tsutomu: *See*—
- Oshima, Saiichiro; Mouri, Toyohiko; and Takahaski, Tsutomu, 4,875,540, Cl. 180-79.100.

Takahaski, Yoshinori: *See*—
- Shigeta, Yukio; Harano, Yutaka; Yamada, Shigeki; and Takahaski, Yoshinori, 4,803,158, Cl. 435-25.000.

Takahata, Fumio: *See*—
- Nohara, Mitsuo; and Takahata, Fumio, 4,870,642, Cl. 370-75.000.

Takahata, Katsumasa: *See*—
- Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono, Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.

Takahata, Naomi; and Honjo, Takeshi, to Canon Kabushiki Kaisha. Management apparatus for equipment. 4,870,589, 9-26-89, Cl. 364-464.040.

Takahata, Naomi: *See*—
- Honjo, Takeshi; and Takahata, Naomi, 4,811,049, Cl. 355-14.0SH.
- Honjo, Takeshi; and Takahata, Naomi, 4,817,933, Cl. 271-3.100.
- Honjo, Takeshi; and Takahata, Naomi, 4,825,248, Cl. 355-14.0SH.
- Honjo, Takeshi; Kitahara, Makoto; Suzuki, Yasumichi; and Takahata, Naomi, 4,866,536, Cl. 358-494.000.

Takahata, Toshio: *See*—
- Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.

Takahatake, Yuriko: *See*—
- Kondo, Kiyoshi; Matsui, Kiyohide; Negishi, Akira; and Takahatake, Yuriko, 4,833,266, Cl. 560-124.000.

Takahira, Koji, to Toyo Tire & Rubber Co., Ltd. Steel cord for reinforcing an automobile tire. 4,828,001, 5-9-89, Cl. 152-451.000.

Takahira, Nobuhiro: *See*—
- Matsudaira, Nobuyasu; Kyoya, Michio; Mikogami, Takashi; Okazaki, Yoichiro; Matsuo, Eito; and Takahira, Nobuhiro, 4,799,856, Cl. 415-155.000.

Takahira, Takashi: *See*—
- Shiozawa, Akira; Ichikawa, Yuh-Ichiro; and Takahira, Takashi, 4,841,051, Cl. 544-287.000.

Takahira, Yoshiyuki: *See*—
- Matsuura, Takeshi; Morioka, Akira; and Takahira, Yoshiyuki, 4,871,606, Cl. 428-147.000.

Takahiro, Seiji, to Nippon Seiko Kabushiki Kaisha. Miniature linear guide apparatus. 4,806,022, 2-21-89, Cl. 384-45.000.

Takai, Atsushi: *See*—
- Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.180.

Takai, Haruki; and Ujiie, Mikio, to NEC Corporation. Arrangement for processing received data in TDMA communications system and method therefor a TDMA communications system and method for retrieving received data in a preset order. 4,833,674, 5-23-89, Cl. 370-95.000.

Takai, Haruki: *See*—
- Tsuji, Akira; and Takai, Haruki, 4,797,678, Cl. 342-352.000.

Takai, Haruko: *See*—
- Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, 4,888,436, Cl. 556-413.000.

Takai, Hideo; and Fukuhara, Hiroshige, to Nissan Motor Company, Limited. Loran-C signal receiving apparatus. 4,804,964, 2-14-89, Cl. 342-389.000.

Takai, Hideo: *See*—
- Okamoto, Isao; Terada, Katsuyuki; Go, Hiromi; Sebata, Michio; Higaki, Hiroshi; and Takai, Hideo, 4,802,418, Cl. 105-167.000.

Takai, Hideyuki: *See*—
- Matsumoto, Masakazu; Takiguchi, Takao; and Takai, Hideyuki, 4,810,607, Cl. 430-73.000.

Takai, Hiromitsu, to Ori-Pro Company, Limited. Notebook provided with pages containing a window-like aperture. 4,819,962, 4-11-89, Cl. 281-15.100.

Takai, Hiromitsu: *See*—
- Hara, Masahiro; Okamoto, Atutoshi; Sakai, Toshiyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu, 4,818,847, Cl. 235-455.000.
- Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.

Takai, Hitoshi; and Morotomi, Noriaki, to Matsushita Electric Industrial Co., Ltd. Distortion surveillance apparatus for television signal transmission system. 4,797,735, 1-10-89, Cl. 358-86.000.

Takai, Hitoshi, to Matsushita Electric Industrial Co., Ltd. Method of digital signal transmission. 4,856,025, 8-8-89, Cl. 375-40.000.

Takai, Hitoshi: *See*—
- Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.

Takai, Kazuhiko, to Sanden Corporation. Compressor with variable displacement mechanism. 4,850,811, 7-25-89, Cl. 417-222.000.

Takai, Kazuhiko, to Sanden Corporation. Slant plate type compressor with variable displacement mechanism. 4,872,815, 10-10-89, Cl. 417-222.000.

Takai, Kazuhiko: *See*—
- Higuchi, Teruo; and Takai, Kazuhiko, 4,850,810, Cl. 417-222.000.
- Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, 4,875,834, Cl. 417-269.000.
- Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,865,523, Cl. 417-222.000.
- Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,878,817, Cl. 417-222.00S.

Takai, Makoto; Itoh, Norie; Hattori, Shin; Hasegawa, Hirokazu; and Wakabayashi, Toshio, to Terumo Corporation. Amide derivatives and 5-lypoxygenase inhibitors containing the same. 4,816,486, 3-28-89, Cl. 514-620.000.

Takai, Makoto; Omori, Kazuhiro; Kumonaka, Takahiro; Ozawa, Shinji; and Wakabayashi, Toshio, to Terumo Kabushiki Kaisha. Amide derivatives and antiallergic agents containing the same. 4,859,673, 8-22-89, Cl. 514-255.000.

Takai, Makoto: *See—*
- Hattori, Shin; Takai, Makoto; Omori, Kazuhiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,795,752, Cl. 514-327.000.

Takai, Masaoki: *See—*
- Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,825,436, Cl. 370-102.000.
- Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,845,436, Cl. 328-14.000.
- Kobayashi, Hirokazu; Miyamoto, Yukihiko; Takai, Masaoki; Fujisawa, Syuichi; and Miyazawa, Hiroshi, 4,873,684, Cl. 370-102.000.

Takai, Nobuei; Sakamoto, Haruo; Uekido, Kouzou; and Nishiyama, Michiaki, to Du Pont de Nemours, E. I., and Company. Connector apparatus for connecting a signal line with an external circuit. 4,838,814, 6-13-89, Cl. 439-620.000.

Takai, Nobuharu; Noma, Hiroyasu; Wakabayashi, Shoichi; and Takata, Susumu, to TDK Corporation. Prosthetic body for bone substitute and a method for the preparation thereof. 4,846,838, 7-11-89, Cl. 623-16.000.

Takai Rubber Industries, Ltd.: *See—*
- Furahashi, Yoshiki, 4,871,152, Cl. 267-140.100.

Takai, Ryoji, to Nissan Motor Co., Ltd. End structure for synthetic resin member. 4,874,651, 10-17-89, Cl. 428-81.000.

Takai Tofu & Soymilk Equipment Co.: *See—*
- Sengoku, Koji; and Tomita, Misao, 4,884,498, Cl. 99-352.000.

Takai, Toshihiro: *See—*
- Asano, Kazuo; Takai, Toshihiro; and Kinoshita, Masayasu, 4,826,421, Cl. 425-403.100.

Takai, Tsutomu: *See—*
- Mori, Takashi; Matsumoto, Koichi; Takai, Tsutomu; Murakami, Masaichi; and Suwa, Kyoichi, 4,806,987, Cl. 355-53.000.

Takai, Yasuo: *See—*
- Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Takai, Yasuo; and Sasaki, Yoshinori, 4,869,863, Cl. 264-564.000.

Takaine, Masami: *See—*
- Konagaya, Yoshiaki; Tanaka, Tooru; Takaine, Masami; and Tsubouchi, Toshihiro, 4,801,437, Cl. 423-210.000.

Takaishi, Hideo: *See—*
- Hamaguchi, Hiroshi; Takaishi, Hideo; Ohshima, Tetsuji; Konno, Takamichi; Miyagi, Yukio; Shiraiwa, Yutaka; and Akita, Takayuki, 4,843,068, Cl. 514-63.000.
- Hamaguchi, Hiroshi; Ohshima, Tetsuji; Kohno, Eiji; Takaishi, Hideo; Mabuchi, Tsutomu; and Okawa, Katsumasa, 4,863,504, Cl. 71-92.000.

Takaishi, Kazuyoshi: *See—*
- Takagi, Yasutomo; and Takaishi, Kazuyoshi, 4,827,116, Cl. 250-205.000.
- Takagi, Yasutomo; and Takaishi, Kazuyoshi, 4,837,428, Cl. 250-205.000.

Takaishi, Naotake: *See—*
- Hori, Kimihiko; Nakamura, Koichi; Kawai, Michio; Motegi, Itsuro; Imokawa, Genji, and Takaishi, Naotake, 4,876,084, Cl. 424-62.000.

Takaishi, Tatsuo: *See—*
- Tateishi, Mataji; Kunimoto, Etsuo; Nakagawa, Hiroshi; and Takaishi, Tatsuo, 4,864,990, Cl. 123-304.000.

Takaiwa, Makio: *See—*
- Sakaguchi, Kiyonori; Takaiwa, Makio; and Suzuki, Akira, 4,847,826, Cl. 369-270.000.

Takajo, Shigeaki, to Kawasaki Steel Corp. Tin-containing iron base powder and process for making. 4,824,734, 4-25-89, Cl. 428-570.000.

Takajo, Shigeaki: *See—*
- Kawano, Masaki; Ogura, Kuniaki; Abe, Teruyoshi; and Takajo, Shigeaki, 4,804,409, Cl. 75-246.000.

Takak, Fumimaro; Urabe, Akio; Shimamura, Michiya; and Mizuno, Masao, to Kuraray Co., Ltd. Methods for enhancing differentiation and proliferation of hematopoietic progenitor cells. 4,812,443, 3-14-89, Cl. 514-143.000.

Takaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle suspension apparatus. 4,830,394, 5-16-89, Cl. 280-689.000.

Takaki, Araji: *See—*
- Shirouzu, Atsushi; and Takaki, Araji, 4,829,916, Cl. 111-105.000.

Takaki, Hiroshi: *See—*
- Yano, Mitsuru; Hiramatsu, Hajime; and Takaki, Hiroshi, 4,834,550, Cl. 374-57.000.

Takaki, Shigeo: *See—*
- Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, 4,882,999, Cl. 104-281.000.

Takaki, Shoji: *See—*
- Ohsaka, Yohnosuke; Tohzuka, Takashi; and Takaki, Shoji, 4,845,268, Cl. 560-184.000.
- Ohsaka, Yohnosuke; Takaki, Shoji; and Sakai, Hiroo, 4,886,581, Cl. 203-80.000.

Takaki, Takanori, to Mitsubishi Denki Kabushiki Kaisha. Picture image signal compensation device. 4,829,379, 5-9-89, Cl. 358-163.000.

Takaki, Usaji: *See—*
- Miyata, Katsuharu; Takaki, Usaji; and Matsuhisa, Toshio, 4,806,683, Cl. 562-495.000.

Takaku, Keisuke: *See—*
- Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, 4,849,358, Cl. 435-252.000.

Takaku, Shigetake: *See—*
- Hama, Yasuo; Takaku, Shigetake; and Murai, Hirosi, 4,850,921, Cl. 445-63.000.

Takaku, Yasunori: *See—*
- Kozawa, Tadashi; Natsume, Naohiro; Komatsubara, Hirofumi; Takaku, Yasunori; Kato, Kiyoshi; and Harada, Seiichi, 4,854,830, Cl. 417-365.000.

Takakubo, Masaaki; and Ohsawa, Toshiyuki, to Ricoh Company, Ltd. Polypyrrole film and method of producing the same. 4,818,646, 4-4-89, Cl. 429-213.000.

Takakura, Hiroshi; and Koizumi, Sachio, to Hitachi, Ltd. Heater for indirectly-heated cathode. 4,886,995, 12-12-89, Cl. 313-344.000.

Takakura, Jinnosuke: *See—*
- Oshima, Hiroshi; Sadakane, Hirofumi; Katayama, Takao; Takakura, Jinnosuke; and Fujioka, Hisatake, 4,882,897, Cl. 56-11.300.

Takakura, Koichi: *See—*
- Tanihara, Masao; Oka, Kiichiro; Yamada, Hideaki; Kobayashi, Akira; Nakashima, Toshihide; Omura, Yoshiaki; and Takakura, Koichi, 4,889,917, Cl. 530-324.000.

Takakura, Makoto: *See—*
- Okubi, Kenichi; Nogami, Tatsuya; and Takakura, Makoto, 4,830,880, Cl. 427-229.000.

Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, to Sharp Kabushiki Kaisha. Image processing device. 4,878,178, 10-31-89, Cl. 364-521.000.

Takakura, Tetsuya; Asano, Kenzi; and Sugahara, Kazuyuki, to Kobayashi Pharmaceutical Co., Ltd. Petri dish for cultivating bacteria and method of inspecting drug susceptibility. 4,801,548, 1-31-89, Cl. 435-301.000.

Takakura, Toshihiko: *See—*
- Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
- Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogura, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.

Takakura, Tsuyoshi: *See—*
- Hara, Ryuichi; Kagizaki, Masami; Takakura, Tsuyoshi; and Tomono, Shigeki, 4,818,612, Cl. 428-367.000.

Takakusa, Shunji: *See—*
- Kijima, Takashi; Matsui, Jyun; Sera, Takaaki; Kobayashi, Takayuki; Takakusa, Shunji; and Ogata, Hiroshi, 4,833,001, Cl. 428-141.000.

Takakusaki, Nobuyuki; Mizutani, Yohji; Kishida, Nobuhiro; and Hosokawa, Manabu, to Toyo Seikan Kaisha, Ltd. Apparatus for preparing heat-set plastic hollow vessel. 4,850,850, 7-25-89, Cl. 425-526.000.

Takakuwa, Kazuo: *See—*
- Kusumoto, Yoshiro; Takakuwa, Kazuo; Ikuta, Tetsuya; Suzuki, Akitoshi; and Nakayama, Izumi, 4,849,260, Cl. 427-250.000.
- Nakayama, Izumi; Suzuki, Akitoshi; Kusumoto, Yoshiro; Takakuwa, Kazuo; and Ikuta, Tetsuya, 4,800,105, Cl. 427-253.000.

Takamatsu, Akira: *See—*
- Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, 4,869,201, Cl. 118-308.000.

Takamatsu, Hiroshi: *See—*
- Hashimoto, Toru; Takahashi, Akira; Sugiura, Mamoru; Takamatsu, Hiroshi; Jinbo, Takeshi; Saito, Yasuhiko; and Kanno, Yoshiaki, 4,848,301, Cl. 123-494.000.
- Sugiyama, Hiroyuki; Komori, Tatsuo; and Takamatsu, Hiroshi, 4,833,988, Cl. 101-349.000.

Takamatsu, Hiroyuki: *See—*
- Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.000.

Takamatsu, Hisashi: *See—*
- Takeuchi, Hisaharu; Takamatsu, Hisashi; Nakayama, Masahiro; Shiroyanagi, Yoshiro; and Kurano, Akira, 4,805,046, Cl. 360-69.000.
- Takeuchi, Hisaharu; Kurano, Akira; Shiroyanagi, Yoshiro; Takamatsu, Hisashi; and Nakamura, Katsunori, 4,807,180, Cl. 364-900.000.

Takamatsu, Junichi; and Akiyama, Kazunori, to Mita Industrial Co., Ltd. Image-forming machine having a cover member for covering part of an image bearing member. 4,829,334, 5-9-89, Cl. 355-309.000.

Takamatsu, Junichi; and Akiyama, Kazunori, to Mita Industrial Co., Ltd. Image-forming machine. 4,875,077, 10-17-89, Cl. 355-212.000.

Takamatsu, Junichi: *See—*
- Tada, Tomio; Hirobe, Junichi; Takamatsu, Junichi; Hori, Kazuo; and Aikawa, Yukihiro, 4,873,549, Cl. 355-206.000.

Takamatsu, Keiji; and Takahashi, Hideki, to Sumitomo Metal Industries, Ltd. Pyroelectric infrared detector. 4,825,079, 4-25-89, Cl. 250-338.300.

Takamatsu, Keiji: *See—*
- Tamura, Yukitoshi; and Takamatsu, Keiji, 4,882,491, Cl. 250-338.300.

Takamatsu, Ken: *See—*
- Nakanishi, Shigetada; Teranishi, Yutaka; Nagahari, Kenji; Shibiu, Tatsurou; and Takamatsu, Ken, 4,851,349, Cl. 435-252.330.

Takamatsu, Seietsu: *See—*
- Ozu, Tokio; Oda, Taturou; Takamatsu, Seietsu; and Ogawa, Akira, 4,835,350, Cl. 200-50.00A.

Takamatsu, Shuichi: *See—*
- Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.
- Murumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Takamatsu, Toshiaki, to Sharp Kabushiki Kaisha. Color liquid crystal display unit. 4,877,309, 10-31-89, Cl. 350-337.000.

Takamatsu, Yoshimitsu: *See—*
- Ootsu, Shinji; Arai, Shunji; and Takamatsu, Yoshimitsu, 4,833,432, Cl. 335-212.000.

Takami, Akihiro: *See—*
- Noi, Keiichi; Takami, Akihiro; Ebine, Kazuhide; and Kumazawa, Kimiko, 4,839,097, Cl. 252-520.000.

Takami, Akio; Minoha, Ken; Nasu, Mineji; Sekiya, Toshifumi; Matsuura, Toshitaka; Mizutani, Akio; and Kondo, Noriaki, to NGK Spark Plug Co., Ltd. Apparatus for evaluating an oxygen sensor. 4,825,683, 5-2-89, Cl. 73-1.00G.

Takami, Akio: *See—*
- Furusaki, Keizo; Nasu, Mineji; Matsuura, Toshitaka; Takami, Akio; and Okawa, Teppei, 4,857,275, Cl. 422-98.000.

Takami, Akira, to Mitsubishi Denki Kabushiki Kaisha. Rotary pump having alternating pistons controlled by non-circular gears. 4,872,818, 10-10-89, Cl. 418-36.000.

Takami, Hiroaki: *See—*
- Yarita, Takao; Komori, Hideo; Ogasawara, Koji; and Takami, Hiroaki, 4,877,061, Cl. 139-224.00R.

Takami, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Starter. 4,829,195, 5-9-89, Cl. 290-48.000.

Takami, Masaho. Tape rolling up device of package strapping machine. 4,842,215, 6-27-89, Cl. 242-156.000.

Takami, Masaho. Package strapping machine. 4,850,179, 7-25-89, Cl. 53-589.000.

Takami, Masaho. Package strapping machine. 4,850,180, 7-25-89, Cl. 53-589.000.

Takami, Masao; Nagahata, Toru; Arita, Masakazu; Shibata, Eigi; and Tamura, Tadahiko, to Sumitomo Rubber Industries, Ltd. Apparatus for grooving tires. 4,817,697, 4-4-89, Cl. 157-13.000.

Takami, Satoshi; and Ohsawa, Yutaka, to Asahi Kogaku Kogyo Kabushiki Kaisha. Photo-electric conversion circuit. 4,806,748, 2-21-89, Cl. 250-214.00R.

Takami, Satoshi; and Ohsawa, Yutaka, to Asahi Kogaku Kogyo Kabushiki Kaisha. Stop-down signal adjusting circuit in automatic aperture control camera. 4,831,400, 5-16-89, Cl. 354-271.100.

Takami, Satoshi; and Ohsawa, Yutaka, to Asahi Kogaku Kogyo Kabushiki Kaisha. Electric power supply control device for camera. 4,872,069, 10-3-89, Cl. 354-484.000.

Takami, Tetuji; Tsubota, Hiroyki; and Ochi, Hisashi, to Iatron Laboratories, Inc.; and Unitaka Ltd. Reagent for determining creatine kinase. 4,888,289, 12-19-89, Cl. 435-15.000.

Takami, Toru: *See—*
- Ohasi, Hiroyuki; Takami, Toru; Koyama, Noritoshi; Kogure, Yoshio; Ida, Katsumi; Iijima, Kazumi; and Kobori, Tomohiro, 4,840,970, Cl. 514-690.000.

Takamine, Henry K., to Hughes Aircraft Company. X-band logic test jig. 4,825,155, 4-25-89, Cl. 324-158.00F.

Takamine, Yoshio; Nakagawa, Takayuki; Kazama, Yoshiharu; Kinoshita, Yoshiaki; and Miyamoto, Shunsuke, to Hitachi, Ltd. Vector processor with vector registers. 4,811,213, 3-7-89, Cl. 364-200.000.

Takamine, Yoshio: *See—*
- Shimizu, Tsugao; and Takamine, Yoshio, 4,833,619, Cl. 364-489.000.

Takamisawa Electric Co., Ltd.: *See—*
- Yoshino, Kosei; Sano, Hirohumi; and Matsumoto, Masayuki, 4,843,360, Cl. 335-80.000.

Takamiya, Bonnosuke: *See—*
- Hiramatsu, Takeo; Takamiya, Bonnosuke; and Tanaka, Yuichi, 4,813,307, Cl. 74-866.000.

Takamiya, Kikuzo; Mabuchi, Sadao; and Inoue, Kazuhiro, to Bridgestone Cycle Co., Ltd. Speed change device for bicycle. 4,838,122, 6-13-89, Cl. 74-781.00B.

Takamiya, Sanshiro; and Nakagawa, Masakazu, to Aisin Seiki Kabushiki Kaisha. Medical appliance driving apparatus. 4,832,005, 5-23-89, Cl. 600-18.000.

Takamiya, Shuiti; and Sakaki, Hirokazu, to Fuji Photo Film Co., Ltd. Presensitized O-quinone diazide plate having an anodized aluminum base with an amine compound containing hydrophilic layer. 4,801,527, 1-31-89, Cl. 430-166.000.

Takamiya, Toru: *See—*
- Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, 4,805,054, Cl. 360-97.010.

Takamizawa, Kinya, to Kabushiki Kaisha Toshiba. Method and apparatus for measuring ultrasonic velocity by crossed beam. 4,821,574, 4-18-89, Cl. 73-602.000.

Takamizawa, Minoru; Takeda, Yoshihumi; Hayashida, Akira; and Takeno, Tsutomu, to Shin-Etsu Chemical Co., Ltd. Process for manufacturing organic silazane polymers and ceramics therefrom. 4,847,345, 7-11-89, Cl. 528-35.000.

Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, to Shin-Etsu Chemical Co., Ltd. Process for manufacturing organic silazane polymers and process for manufacturing ceramics from the polymers. 4,870,035, 9-26-89, Cl. 501-88.000.

Takamizawa, Minoru: *See—*
- Endo, Mikio; Takamizawa, Minoru; Ishihara, Toshinobu; Kubota, Tohru; and Shinohara, Toshio, 4,883,569, Cl. 204-157.740.
- Maruyama, Kazumasa; Chiba, Tohru; and Takamizawa, Minoru, 4,843,517, Cl. 361-323.000.
- Takeda, Yoshihumi; Takamizawa, Minoru; and Hayashida, Akira, 4,869,854, Cl. 264-22.000.
- Yoshioka, Hiroshi; Yamamoto, Akira; Takamizawa, Minoru; and Ishihara, Toshinobu, 4,869,747, Cl. 71-106.000.

Takamizawa, Nobuyuki; Yoshizawa, Tetsuo; and Shirai, Susumu, to Apollo Sports Co., Ltd. Aquescooter. 4,864,959, 9-12-89, Cl. 114-315.000.

Takamoro, Kenji; Mizoe, Kenji; Ogawa, Tatsuo; and Nakagawa, Yasuhiko, to NGK Spark Plug Co., Ltd.; and NEC Corporation. Ladder-type electric filter circuit apparatus. 4,864,259, 9-5-89, Cl. 333-189.000.

Takamoto, Shigehito: *See—*
- Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
- Sakamoto, Koya; Yoneda, Yutaka; Fujiwara, Naoki; and Takamoto, Shigehito, 4,828,486, Cl. 431-170.000.
- Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.

Takamuki, Yasuhiko: *See—*
- Yoshida, Kazuhiro; and Takamuki, Yasuhiko, 4,879,207, Cl. 430-564.000.

Takamura, Akio: *See—*
- Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
- Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; and Takamura, Akio, 4,858,466, Cl. 73-119.00A.

Takamura, Koji, to Olympus Optical Co., Ltd. Imaging apparatus using a solid-state imaging element having a substrate. 4,831,456, 5-16-89, Cl. 358-229.000.

Takamura, Koji: *See—*
- Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.
- Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.
- Yabe, Hisao; and Takamura, Koji, 4,888,639, Cl. 358-98.000.

Takamura, Kozo; Murai, Hiroyuki; and Sato, Yasuyuki, to Nippondenso Co., Ltd. Spark plug for internal-combustion engine. 4,845,400, 7-4-89, Cl. 313-142.000.

Takamura, Masayuki: *See—*
- Suzuki, Kunio; Takamura, Masayuki; and Kubono, Tadashi, 4,884,623, Cl. 164-129.000.

Takamura, Mashashi; Kobayashi, Kiyotaka; Sato, Tokuji; and Naka, Yoji, to Fuji Photo Film Co., Ltd. Light projector for a distance measuring device. 4,868,593, 9-19-89, Cl. 354-403.000.

Takamura, Norio; Oda, Kuniyuki; Kodato, Shinichi; Yamaguchi, Isao; and Yano, Koji, to Tanabe Seiyaku Co., Ltd. Phenoxyacetic acid derivatives composition and use. 4,853,404, 8-1-89, Cl. 514-406.000.

Takamura, Yoshinari; Obara, Kazuaki; and Nagashima, Michiyoshi, to Matsushita Electric Industrial Co., Ltd. Tracking servo signal generating device for an optical disc. 4,875,203, 10-17-89, Cl. 369-46.000.

Takamura, Yoshinobu; Katsumura, Norimichi; Osawa, Nebuhiko; and Watanabe, Kazuo, to Pioneer Electronic Corporation; and Pioneer Video Corporation. Demodulation clock generator circuit. 4,882,546, 11-21-89, Cl. 329-310.000.

Takamura, Yoshiyuki, to Fuji Pack System Ltd. Bagging machine. 4,823,538, 4-25-89, Cl. 53-512.000.

Takamura, Yoshiyuki, to Fuji Pack System Ltd. Bag covering apparatus. 4,876,840, 10-31-89, Cl. 53-137.000.

Takamura, Yoshiyuki, to Fuji Pack System, Ltd. Wrapping machine. 4,887,412, 12-19-89, Cl. 53-504.000.

Takamura, Yuji: *See—*
- Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.

Takanabe, Kazunori; Yamamoto, Masaki; Ito, Kenzo; and Fujinami, Hiroshi, to Nippondenso Co., Ltd. Electronic map display system for use on vehicle. 4,890,104, 12-26-89, Cl. 340-995.000.

Takanaka, Akira: *See*—
  Takeuchi, Hirosato; Takanaka, Akira; Nishikiori, Masanori; Nozawa, Nobuyuki; and Sato, Toshio, 4,829,889, Cl. 99-289.00P.
Takanaka, Toshimasa: *See*—
  Fujisawa, Katsuhide; Takanaka, Toshimasa; Buseki, Hiroo; and Takahashi, Masakatsu, 4,802,698, Cl. 285-363.000.
Takanami, Shuichi: *See*—
  Mizukami, Makoto; Otani, Koji; and Takanami, Shuichi, 4,796,112, Cl. 360-78.070.
Takanashi, Hajime: *See*—
  Kurotori, Tsuneo; Mochizuki, Manabu; Ariyama, Kenzo; Kuramoto, Shinichi; Sugiyama, Yoshihiro; Takanashi, Hajime; Ishizuka, Takashi; Kudo, Yoshio, and Sato, Yoshio, 4,860,050, Cl. 355-256.000.
Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, to Victor Company of Japan Ltd. Image pickup device having a photoconductive optical modulator element. 4,831,452, 5-16-89, Cl. 358-213.140.
Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, to Victor Company of Japan, Ltd. Color imaging apparatus including phase control system for maintaining start positions of scanning lines equal to start positions of reference values thereof. 4,855,816, 8-8-89, Cl. 358-47.000.
Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, to Victor Company of Japan, Ltd. Color imaging apparatus including control system for stabilizing phase and frequency of a video signal carrier frequency. 4,857,995, 8-15-89, Cl. 358-47.000.
Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, to Victor Company of Japan, Ltd. Color correcting circuit for thermal printer selectively outputting a second degree correction operation result and a modified result thereof. 4,862,255, 8-29-89, Cl. 358-80.000.
Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, to Victor Company of Japan, Ltd. Printing apparatus utilizing an electric field applied between a charge storage layer on a transfer drum and a photoconductive layer member. 4,890,124, 12-26-89, Cl. 346-160.000.
Takanashi, Kenichi, to Ricoh Company, Ltd. Optical scanning system having a surface inclination correction function. 4,836,630, 6-6-89, Cl. 350-6.100.
Takanashi, Kenichi, to Ricoh Company, Ltd. Light scanning device. 4,859,011, 8-22-89, Cl. 350-6.800.
Takanashi, Kenichi, to Ricoh Company, Ltd. Light scanning device. 4,863,227, 9-5-89, Cl. 350-6.800.
Takanashi, Kenichi: *See*—
  Takahashi, Yasushi; and Takanashi, Kenichi, 4,846,539, Cl. 350-6.800.
Takanashi, Kenji: *See*—
  Kaneko, Shinji; Takanashi, Kenji; and Wakisaka, Yoshiaki, 4,802,026, Cl. 360-36.200.
Takane, Hisao, to NEC Corporation. Circuit arrangement capable of quickly processing an interrupt in a virtual machine operated by a plurality of operating systems. 4,837,674, 6-6-89, Cl. 364-200.000.
Takanezawa, Shin: *See*—
  Takahashi, Hiroshi; Morozumi, Naohiro; Takanezawa, Shin; and Nakao, Kiyoshi, 4,837,086, Cl. 428-506.000.
Takaniemi, Tauno, to Vendmatic Oy. Cutting apparatus. 4,827,816, 5-9-89, Cl. 82-70.100.
Takanishi, Hiroyoshi: *See*—
  Inukai, Shinji; Kuro, Nobuyoshi; Takanishi, Hiroyoshi; and Sasaki, Hiroki, 4,799,135, Cl. 362-296.000.
Takano, Atsushi: *See*—
  Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Takano Corporation: *See*—
  Nakajima, Yoshiaki; Suzuki, Tadashi; and Wada, Yoneji, 4,852,693, Cl. 184-6.400.
Takano, Etsuo, to Yazaki Corporation. Electrical component container having improved hinge unit. 4,809,875, 3-7-89, Cl. 220-339.000.
Takano, Hideaki: *See*—
  Shino, Masami; Takano, Hideaki; Nakata, Jitsuo; and Noro, Katsuhiko, 4,874,592, Cl. 423-262.000.
Takano, Hidekazu; Kunitomi, Tetsuo; Okada, Shigehiro; Awaji, Toshio; Shindo, Katsuaki; and Atobe, Daisuke, to Matsushita Electric Works, Ltd.; and Nippon Shokubai Kagaku Kogyo Co., Ltd. Laminate with layer of rubber-modified vinyl ester and unsaturated polyester. 4,866,134, 9-12-89, Cl. 525-109.000.
Takano, Hirohiko: *See*—
  Mochizuki, Wataru; Ogino, Seiichi; and Takano, Hirohiko, 4,857,812, Cl. 318-15.000.
Takano, Hiroji, to Izimi Products Company. Piston-stroke adjusting mechanism of hydraulic tool. 4,825,755, 5-2-89, Cl. 92-13.600.
Takano, Hiroshi; and Shimane, Teiichi, to Copal Electronics Co., Ltd., and Copal Co., Ltd. Drive and control circuit for laser diode. 4,807,239, 2-21-89, Cl. 372-38.000.
Takano, Hiroshi; and Hashimato, Yasuhiro, to Mitsuboshi Belting, Ltd. Variable speed pulley. 4,838,835, 6-13-89, Cl. 474-13.000.
Takano, Hiroshi; and Matsuo, Mu, to Mitsuboshi Belting Ltd. Power transmission system. 4,858,492, 8-22-89, Cl. 74-745.000.
Takano, Hiroshi; Murakami, Tokumichi; Kamisawa, Koh; and Aoyagi, Hidenori, to Mitsubishi Denki Kabushiki Kaisha. Data multiplex transmission system. 4,860,283, 8-22-89, Cl. 370-82.000.
Takano, Hiroshi; and Matsuo, Mu, to Mitsuboshi Belting Ltd. Power transmission system. 4,864,891, 9-12-89, Cl. 74-745.000.
Takano, Hiroshi: *See*—
  Hoshiro, Takeshi; Matsuo, Mu; and Takano, Hiroshi, 4,798,567, Cl. 474-242.000.
  Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.
  Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,800,310, Cl. 310-105.000.
  Nakao, Shinroku; Itoh, Masao; Itoh, Akira; and Takano, Hiroshi, 4,817,938, Cl. 272-73.000.
Takano, Hirotaka, to Sumitomo Chemical Company, Limited. Seed disinfectant composition. 4,835,170, 5-30-89, Cl. 514-383.000.
Takano, Hirotaka: *See*—
  Meki, Naoto; and Takano, Hirotaka, 4,837,236, Cl. 514-233.800.
  Mori, Tatsuya; Ohsumi, Tadashi; Nakamura, Shigeo; Maeda, Kiyoto; Nishida, Sumio; and Takano, Hirotaka, 4,877,441, Cl. 71-90.000.
Takano, Hiroyuki: *See*—
  Shimizu, Shigeo; Takano, Hiroyuki; and Yagihashi, Fujio, 4,808,711, Cl. 540-227.000.
Takano, Hirozo, to Mitsubishi Denki Kabushiki Kaisha. Method of fabricating semiconductor devices. 4,824,800, 4-25-89, Cl. 437-180.000.
Takano, Hisashi: *See*—
  Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, 4,881,144, Cl. 360-125.000.
Takano, Katsuyuki, to Bohsei International Co., Ltd. Hands-free type automobile telephone and general-purpose telephone. 4,845,73, 7-4-89, Cl. 379-58.000.
Takano, Kazuya; and Noguchi, Takeshi, to Bridgestone Corporation. Anti-vibration apparatus. 4,861,006, 8-29-89, Cl. 267-140.100.
Takano, Kazuya: *See*—
  Noguchi, Takeshi; Kikuchi, Takashi; and Takano, Kazuya, 4,858,733, Cl. 188-267.000.
  Noguchi, Takeshi; Takano, Kazuya; and Kikuchi, Takashi, 4,877,225, Cl. 267-140.100.
Takano, Kouzou: *See*—
  Amano, Jiro; Shimada, Masato; Takano, Kouzou; and Tohyama, Shunroku, 4,803,116, Cl. 428-286.000.
Takano, Kozo: *See*—
  Saito, Hirokazu; Takano, Kozo; Ushirokoji, Kiyoyuki; and Igarashi, Shigeo, 4,869,104, Cl. 73-299.000.
Takano, Masaharu, to Monsanto Company. Enhanced 2-hydroxy-4-methylthiobutanoic acid composition and method of preparation. 4,855,495, 8-8-89, Cl. 562-581.000.
Takano, Masanobu: *See*—
  Morita, Izuru; Kajitani, Masayoshi; Kodama, Masao; and Takano, Masanobu, 4,866,932, Cl. 60-288.000.
Takano, Masao: *See*—
  Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
Takano, Masayuki: *See*—
  Machida, Kaoru; Suzuki, Akifumi; Kikuchi, Yushichi; and Takano, Masayuki, 4,794,930, Cl. 128-662.030.
  Machida, Kaoru; Suzuki, Akifumi; Takano, Masayuki; and Kikuchi, Yushichi, 4,867,16, Cl. 128-662.030.
Takano, Mitsuyoshi, to Anritsu Corporation. Waveform measuring apparatus with marker zone displaying function. 4,801,873, 1-31-89, Cl. 324-77.00R.
Takano, Mitsuyoshi; and Fukaya, Seiryo, to Anritsu Corporation. Signal analyzer apparatus with analog partial sweep function. 4,839,583, 6-13-89, Cl. 324-77.00B.
Takano, Mitsuyoshi, to Anritsu Corporation. Signal analyzer having partially scrolling function for display screen. 4,890,099, 12-26-89, Cl. 340-724.000.
Takano, Mitsuyoshi: *See*—
  Fukaya, Seiryo; Takano, Mitsuyoshi; and Amamoto, Narushi, 4,839,582, Cl. 324-77.00B.
Takano, Motoharu, to Q.P. Corporation. Encapsulation apparatus. 4,795,328, 1-3-89, Cl. 425-5.000.
Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimoto, Norimi; and Yoshida, Kasumi, to Hitachi, Ltd. Pressure equilibrator for gases. 4,827,966, 5-9-89, Cl. 137-115.000.
Takano, Sakuharu: *See*—
  Katsuta, Yuji; Kita, Sumio; Takano, Sakuharu, and Kamada, Hiroshi, 4,797,946, Cl. 382-61.000.
  Katsuta, Yuji; Kita, Sumio; and Takano, Sakuharu, 4,829,45, Cl. 364-521.000.
Takano, Shigemasa: *See*—
  Enokida, Toshio; and Takano, Shigemasa, 4,882,427, Cl. 540-141.000.
Takano, Shuntaro: *See*—
  Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
Takano, Takashi, to Victor Company of Japan, Limited. Unitary die cast head drum base for a magnetic recording and/or reproducing apparatus. 4,811,134, 3-7-89, Cl. 360-85.000.
Takano, Takeshi: *See*—
  Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
  Oishi, Yasuyuki; Takano, Takeshi; Nakamura, Takaharu; Takeda, Yukio; and Watanabe, Yasunobu, 4,870,659, Cl. 375-82.000.
Takano, Teruhisa; Yamasaki, Takahiko; and Akiyoshi, Mitsuo, to Matsushita Electric Industrial Co., Ltd. Heating apparatus having an open-loop configuration for controlling temperature. 4,883,944, 11-28-89, Cl. 219-492.000.
Takano, Teruhisa; Kurita, Hitoshi; Fujii, Yasuteru; Suenaga, Haruo; and Yano, Masashi, to Matsushita Electric Industrial Co., Ltd. High-frequency heating apparatus. 4,888,461, 12-19-89, Cl. 219-10.55B.
Takano, Tomiyoshi: *See*—
  Kazui, Hidetaka; and Takano, Tomiyoshi, 4,878,275, Cl. 24-436.000.
Takano, Toshimitsu: *See*—
  Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
Takano, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, to Hitachi Koki Company, Limited. Electrophotographic developing device having a shaped doctor board. 4,796,561, 1-10-89, Cl. 118-657.000.
Takano, Yoshiaki; Sogame, Masakazu; and Kitagawa, Tsuneo, to Minolta Camera Kabushiki Kaisha. Recording apparatus incorporating manual paper feeder. 4,796,055, 1-3-89, Cl. 355-14.0SH.
Takano, Yoshiaki: *See*—
  Ito, Masazumi; Kusumoto, Keiji; Takano, Yoshiaki; and Noda, Takashi, 4,870,459, Cl. 355-209.000.
  Kusumoto, Keiji; and Takano, Yoshiaki, 4,801,972, Cl. 355-14.00D.
Takano, Yoshihiko: *See*—
  Kano, Osamu; Takano, Yoshihiko; and Senda, Atsuo, 4,871,585, Cl. 427-98.000.
Takano, Yoshihiro: *See*—
  Kumai, Fumitaka; and Takano, Yoshihiro, 4,799,824, Cl. 405-146.000.
Takano, Yoshiya; and Hoshi, Yoshikazu, to Hitachi, Ltd. Single or twin valve type fuel injection system. 4,817,569, 4-4-89, Cl. 123-470.000.
Takano, Yuji: *See*—
  Nishizawa, Katsuhiko; and Takano, Yuji, 4,869,610, Cl. 400-322.000.
Takano, Yukio: *See*—
  Aizawa, Koichi; Kazama, Toyoki; Takano, Yukio; and Tamura, Yukihisa, 4,837,137, Cl. 430-65.000.
  Kazama, Toyoki; Aizawa, Koichi; Hara, Kenichi; Iijima, Toshiyuki; and Takano, Yukio, 4,833,055, Cl. 430-66.000.
Takano, Yutaka: *See*—
  Fukuoka, Hisahiro; Takano, Yutaka; and Kamiyama, Yoichi, 4,870,247, Cl. 219-125.100.
Takanohashi, Kunio; Tanaka, Mitsutaka; and Yamano, Toru, to Takeda Chemical Industries, Ltd. Ascorbic acid ester. 4,845,246, 7-4-89, Cl. 549-315.000.
Takao, Hideaki; Motoi, Taiko; Sekimura, Nobuyuki; Kamio, Masaru; and Murata, Tatsuo, to Canon Kabushiki Kaisha. Liquid crystal device having color filters wherein the color filters formed from a polyamino resin containing coloring materials. 4,802,743, 2-7-89, Cl. 350-339.00F.
Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, to Canon Kabushiki Kaisha. Color liquid crystal device. 4,818,075, 4-4-89, Cl. 350-339.00F.
Takao, Hiroshi, to Tanaka Kikinzoku Kogyo K.K. Process for preparing palladium catalyst for purifying waste gas. 4,833,114, 5-23-89, Cl. 502-333.000.
Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, to Sumitomo Chemical Company, Limited; and Sumitomo Rubber Industries, Ltd. Rubber composition for tire treads containing dicarboxylic acid diester coupled block polymers. 4,812,527, 3-14-89, Cl. 525-250.000.
Takao, Hiroyoshi; Tanimoto, Yoshio; Ikeda, Kiyosi; and Fukuyama, Masahiro, to Sumitomo Chemical Company, Limited. Elastomer composition. 4,820,774, 4-11-89, Cl. 525-208.000.
Takao, Hiroyoshi; Imai, Akio; and Seki, Tomoaki, to Sumitomo Chemical Company, Limited. Modified diene polymer rubbers. 4,885,338, 12-5-89, Cl. 525-77.000.
Takao, Hiroyoshi; Tanimoto, Yoshio; and Ikeda, Kiyosi, to Sumitomo Chemical Company, Limited. Ethylene-α-olefin vulcanized rubber composition. 4,889,881, 12-26-89, Cl. 524-91.000.
Takao, Hisashi; Osaki, Norio; and Yasudomi, Norio, to Otsuka Kagaku Kabushiki Kaisha. Pyran derivatives. 4,840,957, 6-20-89, Cl. 514-326.000.
Takao Kinzoku Kogyo Co., Ltd.: *See*—
  Iida, Hajime; and Nakamura, Tadashi, 4,889,967, Cl. 219-87.000.
Takao, Kouji: *See*—
  Kumasaka, Hideyuki; Takao, Kouji; and Kuriyama, Hiroshi, 4,881,756, Cl. 280-785.000.
Takao, Kunihiko: *See*—
  Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
  Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, 4,867,649, Cl. 417-222.00S.
  Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, 4,801,248, Cl. 417-222.000.
Takao, Masatoshi; Kimura, Kunio; Kurumizawa, Toshimitsu; and Nagata, Kenichi, to Matsushita Electric Industrial Co., Ltd. Protective layer for optical information recording medium. 4,847,132, 7-11-89, Cl. 428-64.000.
Takao, Mitsuji, to Canon Kabushiki Kaisha. Data processing apparatus. 4,819,079, 4-4-89, Cl. 358-260.000.
Takao, Mitsuji, to Canon Kabushiki Kaisha. Data transmission system. 4,872,006, 10-3-89, Cl. 340-825.520.
Takao, Mitsunori: *See*—
  Abe, Tomoaki; Takao, Mitsunori, and Kiyono, Masashi, 4,805,576, Cl. 123-479.000.
  Abe, Tomoaki; Kiyono, Masashi; and Takao, Mitsunori, 4,817,576, Cl. 123-519.000.
  Abe, Tomoaki; Takao, Mitsunori; and Kiyono, Masashi, 4,850,325, Cl. 123-479.000.
  Abe, Tomoaki; Kiyono, Masahi; and Takao, Mitsunori, 4,866,620, Cl. 364-431.050.
  Kiyono, Masashi; Abe, Tomoaki; and Takao, Mitsunori, 4,796,591, Cl. 123-492.000.
  Kiyono, Masashi; Takeuchi, Kanji; Abe, Tomoaki; and Takao, Mitsunori, 4,854,283, Cl. 123-361.000.
  Matsuzawa, Toshio; Minagawa, Kazuji; Muramatsu, Akira; Abe, Tomoaki; Kiyono, Masashi; Kamio, Shigeru; Maeda, Katsuya; and Takao, Mitsunori, 4,838,226, Cl. 123-399.000.
  Yonekawa, Masao; and Takao, Mitsunori, 4,867,126, Cl. 123-520.000.
Takao, Nobuyuki: *See*—
  Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.
Takao, Sasaki: *See*—
  Kawamura, Hideaki; and Takao, Sasaki, 4,814,999, Cl. 364-474.200.
Takao, Seiji: *See*—
  Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; Takao, Seiji; and Takagi, Jun, 4,865,790, Cl. 264-131.000.
  Sugimoto, Hiroaki; Hayatsu, Kazuo; Kobashi, Toshiyuki; and Takao, Seiji, 4,871,501, Cl. 264-211.220.
Takao, Shoichi: *See*—
  Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
Takao, Shoji; Nakashima, Hiroshi; Tokumoto, Mako; Saitoh, Makoto; and Watanabe, Makoto, to Terumo Kabushiki Kaisha. Processed soybean foods and method for preparing the same. 4,855,159, 8-8-89, Cl. 426-656.000.
Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, to Terumo Kabushiki Kaisha. Soybean hydrolyzate. 4,882,180, 11-21-89, Cl. 426-46.000.
Takao, Yoshiki: *See*—
  Nagaoka, Kazuo; Takao, Yoshiki; and Yamamoto, Masato, 4,868,688, Cl. 360-16.000.
Takaoka, Kazuchiyo: *See*—
  Senga, Takao; Takaoka, Kazuchiyo; Yamamoto, Hirokazu; and Hashimoto, Takimi, 4,873,166, Cl. 430-137.000.
Takaoka, Makoto: *See*—
  Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, 4,860,026, Cl. 346-1.100.
Takaoka, Michio: *See*—
  Hasegawa, Masakazu; Takaoka, Michio; Yoshida, Syotaroh; and Akashi, Kazuya, 4,820,570, Cl. 428-140.000.
  Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Motai, Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, 4,840,552, Cl. 425-72.100.
Takaoka, Naotoshi: *See*—
  Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.
  Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.
Takaoka, Saburo: *See*—
  Inohana, Haruyuki; Takaoka, Saburo; and Takada, Hideaki, 4,890,170, Cl. 360-65.000.
Takaoka, Tadashi: *See*—
  Nozaki, Yoshio; Okamatsu, Shigetoshi; and Takaoka, Tadashi, 4,825,131, Cl. 318-52.000.
Takaoka, Yasuhiro: *See*—
  Fuyama, Seiji; Mori, Tokio; Kodama, Mitsuhiro; Minato, Takashi; and Takaoka, Yasuhiro, 4,843,547, Cl. 364-405.000.
Takaoka, Yukio: *See*—
  Ueda, Toshiaki; Nomura, Katsuhiko; and Takaoka, Yukio, 4,863,812, Cl. 429-9.000.
Takara Co., Ltd.: *See*—
  Matsuda, Takashi, 4,817,936, Cl. 272-27.00R.
  Moriyama, Yasuyuki, 4,879,938, Cl. 84-95.200.
Takara Shuzo Co., Ltd.: *See*—
  Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.
  Obayashi, Akira; Hiraoka, Nobutsugu; Kita, Keiko; and Nakajima, Hiroshi, 4,808,531, Cl. 435-195.000.
  Obayashi, Akira; Hiraoka, Nobutsugu; Ishizaki, Yukuo; Ohshima, Atsushi; and Kasai, Mitsuo, 4,868,115, Cl. 435-188.000.
  Yamada, Yuzo; and Murakami, Makoto, 4,833,082, Cl. 435-199.000.

Takarabe, Yuji: *See—*
Izumi, Shuji; Nakai, Masaaki; Inoue, Manabu; Fujino, Akihiko; Kawamura, Kunio; Takarabe, Yuji; and Niwa, Masatake, 4,847,651, Cl. 354-471.000.
Takarada, Mitsuhiro: *See—*
Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, 4,888,406, Cl. 528-32.000.
Takarada, Takayuki: *See—*
Tomita, Akira; Ohtsuka, Yasuo; Takarada, Takayuki; and Nabatame, Toshihide, 4,848,983, Cl. 48-202.000.
Takaragi, Kazuo; Sasaki, Ryoichi; Shiraishi, Takayoshi; and Kurashiki, Nobuhiro, to Hitachi, Ltd. Electronic transaction system. 4,885,777, 12-5-89, Cl. 380-30.000.
Takaragi, Kazuo; Shiraishi, Takayoshi; and Sasaki, Ryoichi, to Hitachi, Ltd. IC card. 4,885,788, 12-5-89, Cl. 380-23.000.
Takasa, Kenji; and Iijima, Satoshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Biaxially oriented polyoxymethylene film. 4,835,245, 5-30-89, Cl. 528-230.000.
Takasago, Hayato: *See—*
Niki, Kenichi; Makita, Tetsuro; and Takasago, Hayato, 4,854,230, Cl. 101-123.000.
Niki, Kenichi; Kokogawa, Tohru; Ishizu, Akira; and Takasago, Hayato, 4,887,030, Cl. 324-158.00P.
Takasago Industry Co., Ltd.: *See—*
Nagai, Satoru; Imahashi, Kazuo; Nagaya, Yoshio; Yoshida, Shigeo; Kitagawa, Satoshi; and Miyazawa, Takatoshi, 4,822,541, Cl. 264-42.000.
Takasago International Corporation: *See—*
Matsuda, Hiroyuki; and Yamamoto, Takeshi, 4,888,323, Cl. 512-23.000.
Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
Takasago, Masahiro; and Arai, Shinichi, to Hitachi, Ltd. Optical recording/reproducing method and apparatus for optical disk medium having unique control parameters. 4,853,915, 8-1-89, Cl. 369-32.000.
Takasago, Masahiro: *See—*
Kasai, Masuo; Maeda, Takeshi; Shigematsu, Kazuo; Kaku, Toshimitsu; and Takasago, Masahiro, 4,866,687, Cl. 369-32.000.
Takasago Perfumery Co., Ltd.: *See—*
Noyori, Ryoji; Kitamura, Masato; Takaya, Hidemasa; Kumobayashi, Hidenori; and Akutagawa, Susumu, 4,851,537, Cl. 546-146.000.
Yamada, Nobuo; and Kobayashi, Toyohiko, 4,885,274, Cl. 512-16.000.
Takasaka, Masahiro: *See—*
Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.
Takasaki, Mamoru: *See—*
Muramatsu, Tateo; Saito, Hideaki; Takasaki, Mamoru; and Enami, Yasushi, 4,836,713, Cl. 405-115.000.
Ozeki, Masamichi; and Takasaki, Mamoru, 4,800,997, Cl. 194-344.000.
Takasaki, Seiichiro, to Yao Seibyo Co., Ltd. Tapping screw. 4,834,602, 5-30-89, Cl. 411-386.000.
Takasaki, Tadao: *See—*
Yokota, Teruo; Nishiyama, Yoshihiro; and Takasaki, Tadao, 4,809,384, Cl. 15-103.000.
Takasaki, Terufumi: *See—*
Masuda, Eiji; Fujita, Yasuhiko; and Takasaki, Terufumi, 4,841,567, Cl. 379-355.000.
Takasaki, Yo: *See—*
Kobayakawa, Masaki; Takasaki, Yo; and Saeki, Hiroshi, 4,816,716, Cl. 313-496.000.
Takasaki, Yoshimi, to Fuji Photo Film Co., Ltd. Method of detecting stored radiation energy level on stimulable phosphor sheet. 4,816,678, 3-28-89, Cl. 250-327.200.
Takasaki, Yoshimi; Yamaguchi, Akira; and Yoshimura, Ryoichi, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus having two detectors whose signal ratio indicates main scanning position. 4,882,490, 11-21-89, Cl. 250-236.000.
Takasaki, Yoshimi: *See—*
Agano, Toshitaka; and Takasaki, Yoshimi, 4,818,876, Cl. 250-484.100.
Takasaki, Yoshitaka, to Hitachi, Ltd. Digital signal transmission system. 4,796,281, 1-3-89, Cl. 375-112.000.
Takasaki, Yoshiyuki, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Method for production of glucose by use of transglucosidase. 4,855,232, 8-8-89, Cl. 435-97.000.
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, to Hitachi, Ltd.; and Nippon Hoso Kyokai. Target of image pickup tube. 4,866,332, 9-12-89, Cl. 313-386.000.
Takasaki, Yukio: *See—*
Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, 4,860,093, Cl. 358-50.000.
Takasawa, Hironobu: *See—*
Endo, Toshio; Miyagi, Takashi; Sato, Mitsuo; Takasawa, Hironobu; Kanno, Hiroshi; Miyakawa, Keiichi; Takano, Masao; and Ito, Tomoya, 4,846,057, Cl. 101-120.000.
Takase, Akihiko, to Hitachi, Ltd. FSK signal demodulator. 4,813,058, 3-14-89, Cl. 375-82.000.
Takase, Akihiko: *See—*
Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.1[illegible]
Takase, Akio: *See—*
Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, 4,844,469, Cl. 273-186.00R.
Takase, Akira: *See—*
Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, 4,797,492, Cl. 548-245.000.
Takase, Haruo; Uenaka, Kazushige; Abe, Akira; and Fujita, Yoshihiro, to Fuji Photo Film Co., Ltd. Wash water reservoiring method and apparatus therefore. 4,857,950, 8-15-89, Cl. 354-324.000.
Takase, Haruo. Apparatus for electronic treatment using microwaves. 4,867,175, 9-19-89, Cl. 128-804.000.
Takase, Haruo: *See—*
Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,857,441, Cl. 430-393.000.
Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,876,180, Cl. 430-393.000.
Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.
Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.
Uenaka, Kazushige; Takase, Haruo; Utomo, Riuzi; and Akimoto, Masuo, 4,797,698, Cl. 354-275.000.
Takase, Hidetomo, to Tokyo Shibaura Denki Kabushiki Kaisha. System for improving the SIN ratio of a NMR signal by summing in phase cosine and/or sine components. 4,849,886, 7-18-89, Cl. 364-413.130.
Takase, Hironori, to Canon Kabushiki Kaisha. Lens tube unit and method for producing the same. 4,822,138, 4-18-89, Cl. 350-252.000.
Takase, Ichirou: *See—*
Sato, Kazuo; Yamasaki, Noritsugu; and Takase, Ichirou, 4,845,3[illegible] Cl. 568-310.000.
Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Tosh[illegible]; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, to Hitachi, Ltd. Nuclear reactor fuel assembly. 4,842,814, 6-27-89, Cl. 376-438.000.
Takase, Iwao: *See—*
Inagaki, Masahisa; Takase, Iwao; Kanno, Masayoshi; Kuniya, Jiro; Akahori, Kimihiko; Masaoka, Isao; Maki, Hideo; and Nakajima, Juniiro, 4,810,461, Cl. 376-457.000.
Takase, Jinki: *See—*
Arino, Masao; and Takase, Jinki, 4,882,980, Cl. 92-48.000.
Takase, Kahei: *See—*
Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, 4,859,701, Cl. 514-510.000.
Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, to Zenyaku Kogyo Kabushiki Kaisha. 1,4-thiazine derivative, and cardiotonic agent comprising it as effective component. 4,800,3[illegible] 1-24-89, Cl. 514-230.800.
Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, to Zenyaku Kogyo Kabushiki Kaisha. Thiazole derivatives and medical compositions thereof. 4,804,668, 2-14-89, Cl. 514-314.000.
Takase, Muneaki; and Cai, Jun-Chao, to Zenyaku Kogyo Kabushiki Kaisha. Bis-dioxopiperazine derivatives. 4,868,303, 9-19-89, Cl. 544-357.000.
Takase, Muneaki: *See—*
Cai, Jun-Chao; and Takase, Muneaki, 4,877,803, Cl. 514-227.8[illegible]
Takase, Sadao; Takeda, Hitoshi; and Isobe, Osamu, to Nissan Motor Co., Ltd. Control system for automatic transmission producing shock-free shift. 4,798,105, 1-17-89, Cl. 74-866.000.
Takase, Sadao: *See—*
Etoh, Yoshiyuki; and Takase, Sadao, 4,870,584, Cl. 364-426.04[illegible]
Takase, Shigehiro: *See—*
Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.
Takase, Shigeki: *See—*
Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, 4,841,414, Cl. 361-424.000.
Takase, Shigeto; Yamaguchi, Shigeaki; and Ushioda, Kentaro, to Nihon Digital Equipment Corporation. Method of and apparatus for driving three-phase D.C. brushless motor. 4,864,198, 9-5-89, Cl. 318-254.000.
Takashi, Makino, to Yamaha Corporation. Loudspeaker device. 4,888,811, 12-19-89, Cl. 381-111.000.
Takashi, Osamu: *See—*
Hiraga, Imao; Shimura, Noriaki; Okakura, Yojiro; Kubota, Mi[illegible]; and Takashi, Osamu, 4,862,432, Cl. 368-88.000.

Takashi, Shioiri: *See—*
Katsuhiko, Kobayashi; Takashi, Shioiri; and Hideo, Tago, 4,804,262, Cl. 351-226.000.
Takashi, Terumi: *See—*
Tachiuchi, Tsuguji; Mano, Hiroyuki; and Takashi, Terumi, 4,808,991, Cl. 340-793.000.
Takashige, Masao: *See—*
Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Takai, Yasuo; and Sasaki, Yoshinori, 4,869,863, Cl. 264-564.000.
Takashima, Atsushi: *See—*
Kurita, Tetsuya; Takashima, Atsushi; and Shibasaki, Katsutami, 4,883,592, Cl. 210-227.000.
Takashima, Hideyuki: *See—*
Fukahori, Toshio; Takashima, Hideyuki; and Morinaga, Hitoshi, 4,872,737, Cl. 350-96.200.
Takashima, Kazutoshi, to Sanshin Kogyo Kabushiki Kaisha. Cooling water drainage system for marine propulsion engine. 4,857,023, 8-15-89, Cl. 440-88.000.
Takashima, Kohki: *See—*
Iwasaki, Tameo; and Takashima, Kohki, 4,840,951, Cl. 514-239.500.
Takashima, Makoto; Aoki, Yoshihito; and Oikawa, Takahiro, to Yazaki Corporation. Navigation system using angular rate sensor. 4,879,658, 11-7-89, Cl. 364-449.000.
Takashima, Masanobu; Iwakura, Ken; Satomura, Masato; and Matsuoka, Katsumi, to Fuji Photo Film Co., Ltd. Recording material. 4,808,566, 2-28-89, Cl. 503-217.000.
Takashima, Masanobu: *See—*
Ikeda, Kenji; Iwakura, Ken; and Takashima, Masanobu, 4,882,311, Cl. 503-208.000.
Matsuoka, Katsumi; Sano, Shojiro; Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,870,048, Cl. 503-211.000.
Saeki, Keiso; Takashima, Masanobu; Iwakura, Ken; Sugiyama, Takekatsu; and Satomura, Masato, 4,800,193, Cl. 503-217.000.
Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,803,192, Cl. 503-212.000.
Saeki, Keiso; Takashima, Masanobu; and Iwakura, Ken, 4,861,748, Cl. 503-208.000.
Saeki, Keiso; Sano, Shojiro; Matsuoka, Katsumi; Takashima, Masanobu; and Iwakura, Ken, 4,876,233, Cl. 503-209.000.
Satomura, Masato; Iwakura, Ken; Takashima, Masanobu; and Igarashi, Akira, 4,855,282, Cl. 503-218.000.
Takashima, Masayuki; and Sawayama, Noboru, to Ricoh Company, Ltd. Agitating roller and restricting member for a developing device. 4,855,783, 8-8-89, Cl. 355-2[illegible]8.000.
Takashima, Masayuki: *See—*
Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, 4,814,[illegible]21, Cl. 355-4.000.
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Yamamoto, Hajime; and Takashima, Yuji, 4,809,038, Cl. 355-4.000.
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Seto, Izumi; Tsuyuki, Mikio; and Takashima, Yutaka, 4,878,799, Cl. 414-331.000.
Takashimaya Nippatsu Kogyo Co., Ltd.: *See—*
Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829 Cl. 156-251.000.
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Shino, Satoshi; Sasahara, Akira; Ishikawa, Kiyoshi; Shibasaki, Shigeru; and Takashina, Shinji, 4,826,147, Cl. 271-145.000.
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Shinoda, Yasuhiro; Takahashi, Yoshifumi; Takaso, Tsuneto; Hagiwara, Akira; and Ishii, Yoshiaki, 4,822,211, Cl. 405-154.000.
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Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
Takasu, Yoshio: *See—*
Osato, Yoichi; Saito, Ichiro; and Takasu, Yoshio, 4,816,840, Cl. 346-1.100.
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Kuriyama, Kazumi; Takasu, Yutaka; Kono, Shigeru; Koshio, Chiharu; and Nagata, Kazuhiko, 4,850,791, Cl. 414-750.000.
Kuriyama, Kazumi; Kono, Shigeru; Takasu, Yutaka; Koshio, Chiharu; and Nagata, Kazuhiko, 4,865,445, Cl. 356-73.000.
Takasugi, Atsumi: *See—*
Ishii, Yoh; Abe, Masami; Harada, Yuhzoh; Takasugi, Atsumi; and Kato, Kazumi, 4,875,519, Cl. 164-465.000.
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Takasugi, Hisashi: *See—*
Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, 4,804,752, Cl. 540-227.000.
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Takasugi, Syunji: *See—*
Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.
Takasugi, Toshiyasu: *See—*
Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.
Takasugi, Wasao; Shinomura, Ryuichi; and Okabe, Takeaki, to Hitachi, Ltd.; and Hitachi Medical Corp. Transmitter/receiver for ultrasonic diagnostic system. 4,817,066, 3-28-89, Cl. 367-137.000.
Takasugi, Wasao; Yonezawa, Seiji; Tsuyoshi, Toshiaki; and Ohtake, Masatoshi, to Hitachi, Ltd. Optical information recording and reproducing apparatus with tracking control by sampling. 4,847,822, 7-11-89, Cl. 369-44.000.
Takasugi, Wasao: *See—*
Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; Shigematsu, Kazuo; and Takasugi, Wasao, 4,835,759, Cl. 369-59.000.
Saito, Atsushi; Maeda, Takeshi; Sugiyama, Hisataka; and Takasugi, Wasao, 4,866,692, Cl. 369-59.000.
Tsuyoshi, Toshiaki; Ohtake, Masatoshi; Takasugi, Wasao; and Yonezawa, Seiji, 4,872,152, Cl. 369-44.000.
Takasugi, Yasufumi: *See—*
Nakayama, Masatoshi; Takasugi, Yasufumi; and Ueda, Kunihiro, 4,844,978, Cl. 428-336.000.
Ueda, Kunihiro; Takasugi, Yasufumi; and Nakayama, Masatoshi, 4,824,724, Cl. 428-336.000.
Takasuka, Koji; and Ibuki, Koji, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for detecting position of internal fault of gas insulated bus. 4,882,682, 11-21-89, Cl. 364-5[illegible].000.
Takasuna, Eiichi; and Imamura, [illegible]saaki, to Hitachi, Ltd. Magnetic disk and method of manufacturing same. 4,844,963, 7-4-89, Cl. 428-64.000.
Takata, Akira; and Obata, Takeo, to Ricoh Company, Ltd. Partially enabled programmable logic device. 4,839,539, 6-13-89, Cl. 307-465.000.
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Takata Corporation: *See—*
Takada, Juichiro, 4,834,427, Cl. 280-808.000.
Takada, Juichiro, 4,861,071, Cl. 280-808.000.
Takata, Earl K.; Paul, Ben E.; and Nordhaus, John P., to Scot, Incorporated. Ejector arrangement for aircraft store racks. 4,850,553, 7-25-89, Cl. 244-137.400.
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Komori, Shinji; Takata, Hidehiro; Tamura, Toshiyuki; and Asai, Fumiyasu, 4,882,704, Cl. 364-900.000.
Takata, Hideyuki: *See—*
Nishitani, Kenzi; and Takata, Hideyuki, 4,815,496, Cl. 137-884.000.

- Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, 4,813,603, Cl. 239-113.000.
- Takata, Hirotoshi, to Nippon Seiko Kabushiki Kaisha. Roller bearing. 4,802,775, 2-7-89, Cl. 384-450.000.
- Takata, Hirotoshi, to Nippon Seiko Kabushiki Kaisha. Self-aligning roller bearing. 4,828,404, 5-9-89, Cl. 384-450.000.
- Takata, Hiroyuki: *See—*
  - Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
- Takata, Ikunori, to Mitsubishi Denki Kabushiki Kaisha. Power transistor. 4,827,322, 5-2-89, Cl. 357-46.000.
- Takata, Kanji: *See—*
  - Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyohide; and Kagawa, Keiichi, 4,861,688, Cl. 429-206.000.
- Takata, Keiji: *See—*
  - Hosoki, Shigeyuki; Hosaka, Sumio; and Takata, Keiji, 4,883,959, Cl. 250-306.000.
- Takata, Kenichi: *See—*
  - Koshiba, Nobuharu; Ikehata, Toshihiko; and Takata, Kenichi, 4,874,680, Cl. 429-197.000.
- Takata, Koji, to Sumitomo Electric Industries, Ltd. Duty factor control method. 4,831,320, 5-16-89, Cl. 318-696.000.
- Takata, Koji; and Matsuzaki, Yoshiki, to Sumitomo Electric Industries, Ltd. Hydraulic booster. 4,850,655, 7-25-89, Cl. 303-50.000.
- Takata, Koji, to Sumitomo Electric Industries, Ltd. Proportioning control valve for use with antilock device. 4,861,114, 8-29-89, Cl. 303-9.720.
- Takata, Koji: *See—*
  - Fujioka, Hideaki; and Takata, Koji, 4,823,269, Cl. 364-426.030.
  - Fujioka, Hideaki; and Takata, Koji, 4,875,171, Cl. 364-508.000.
  - Kono, Teruhisa; Takata, Koji; and Hashida, Koichi, 4,867,122, Cl. 123-396.000.
- Takata, Masakazu; Ueda, Takumasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, to Minolta Camera Kabushiki Kaisha; and Osaka Municipal Government. Photosensitive member comprising azo compound having pyridine-n-oxide or pyridazine-n oxide. 4,871,633, 10-3-89, Cl. 430-58.000.
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- Takata, Naoto: *See—*
  - Inoue, Hitoshi; Kondo, Toshiro; Takata, Naoto; and Edahiro, Takeshi, 4,819,959, Cl. 280-660.000.
- Takata, Naoya: *See—*
  - Naruse, Kazuhiko; Kataoka, Akira; Hirano, Masayasu; and Takata, Naoya, 4,821,338, Cl. 455-617.000.
- Takata, Shigeru; Aono, Takeki; and Fujieda, Gentaro, to Fujiwara Chemical Co., Ltd. Exterior water-proof ornamental sheet and method of constructing it. 4,871,610, 10-3-89, Cl. 428-246.000.
- Takata, Shuji: *See—*
  - Uekawa, Yutaka; Takata, Shuji; and Goto, Michiyo, 4,882,758, Cl. 381-50.000.
- Takata, Susumu: *See—*
  - Takai, Nobuharu; Noma, Hiroyasu; Wakabayashi, Shoichi; and Takata, Susumu, 4,846,838, Cl. 623-16.000.
  - Tani, Yoshio; Takata, Susumu; and Kamei, Kazuo, 4,804,585, Cl. 428-574.000.
- Takata, Toshimasa: *See—*
  - Togashi, Eiki; and Takata, Toshimasa, 4,835,240, Cl. 528-98.000.
  - Tominaga, Kaoru; Kan, Kojiro; Takata, Toshimasa; and Tomoshige, Toru, 4,885,329, Cl. 524-430.000.
- Takata, Yasuhira, to Sumitomo Heavy Industries, Ltd. Mobile nozzle device for die lubricating. 4,840,052, 6-20-89, Cl. 72-45.000.
- Takata, Yasushi: *See—*
  - Kinomura, Keisuke; Kitazawa, Sadaya; Takata, Yasushi; and Sakakibara, Toshiyuki, 4,874,852, Cl. 536-18.600.
- Takata, Yoshinori; Ito, Mitsuo; and Miura, Junkichi, to Hitachi, Ltd. Liquid chromatography and apparatus using the same. 4,806,250, 2-21-89, Cl. 210-659.000.
- Takata, Yoshinori; and Iwabuchi, Hitoshi, to Hitachi, Ltd. Method and apparatus for liquid chromatography. 4,849,110, 7-18-89, Cl. 210-656.000.
- Takata, Yukio; and Shinohara, Takeshi, to Idemitsu Petrochemical Co., Ltd. Easily-openable packaging container and lid for the same. 4,801,041, 1-31-89, Cl. 220-359.000.
- Takatani, Ichiro; Nakatani, Nobuyuki; and Minami, Shigeru, to Glory Kogyo Kabushiki Kaisha. Coin stacking and wrapping apparatus. 4,869,029, 9-26-89, Cl. 53-52.000.
- Takatani, Setsuo; Awau, Kunio; and Kanda, Masahiko, to Sumitomo Electric Industries, Ltd. Reflection type oximeter for applying light pulses to a body tissue to measure oxygen saturation. 4,867,557, 9-19-89, Cl. 356-41.000.
- Takatani, Teruhiko; Yamada, Muneharu; and Miyamoto, Tomomi, to Mazda Motor Corporation. Layout of steering mechanism for four-wheel steering vehicle. 4,852,897, 8-1-89, Cl. 280-91.000.
- Takatani, Teruhiko: *See—*
  - Furutani, Shigeki; Kanazawa, Hirotaka; Takatani, Teruhiko; and Masumoto, Hideharu, 4,828,064, Cl. 180-140.000.
- Takato, Kenji; Kinoshita, Kazumi; Tojo, Toshiro; and Yamamoto, Yuzo, to Fujitsu Limited. Integrated ringing circuit and a ring trip circuit for the same. 4,827,503, 5-2-89, Cl. 379-373.000.
- Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsutoshi; and Shibuya, Kiyoshi, to Fujitsu Limited. Subscriber line interface circuit. 4,827,505, 5-2-89, Cl. 379-413.000.
- Takato, Kenji: *See—*
  - Tojo, Toshiro; Takato, Kenji; Kinoshita, Kazumi; and Yamamoto, Yuzo, 4,862,309, Cl. 361-56.000.
- Takatoo, Masao: *See—*
  - Mishima, Tadaaki; Kanasaki, Morio; Takatoo, Masao; Fujiwara, Kazunori; and Kobayashi, Yoshiki, 4,823,194, Cl. 358-282.000.
- Takatori, Hideo: *See—*
  - Guchi, Chiaki; Kohsaka, Yohji; Suenaga, Hiroyoshi; Sakuyama, Hideo; and Takatori, Hideo, 4,799,975, Cl. 148-12.70B.
- Takatori, Hiroshi; Matsuhara, Osamu; and Yamano, Seiichi, to Hitachi, Ltd.; and Nippon Telegraph and Telephone Corporation. Line equalizer. 4,833,691, 5-23-89, Cl. 375-14.000.
- Takatori, Hiroshi; Kokumai, Motohiro; and Shinozuka, Tatsuko, to Hitachi, Ltd. Echo canceller. 4,868,874, 9-19-89, Cl. 379-411.000.
- Takatori, Hiroshi: *See—*
  - Amada, Eiichi; Shirasu, Hirotoshi; Takatori, Hiroshi; Kazawa, Tohru; Suzuki, Toshiro; Miyamoto, Takanori; and Kameyama, Tatsuya, 4,841,521, Cl. 370-31.000.
  - Tamakoshi, Masashi; Suzuki, Toshiro; and Takatori, Hiroshi, 4,835,482, Cl. 328-167.000.
- Takatori, Kazuhiro: *See—*
  - Sugimoto, Masaki; Hitomi, Nobuteru; Ikeura, Kenji; Hirano, Hiroyuki; Morikawa, Kunihiko; Kitahara, Hisashi; and Takatori, Kazuhiro, 4,887,461, Cl. 73-118.100.
- Takatori Machinery Manufacturing Co., Ltd.: *See—*
  - Asao, Hideo; Yamazi, Satoru; and Saibe, Seiichi, 4,854,252, Cl. 112-265.100.
- Takats, Imre J., to Boeing Company, The. Flight control system employing three controllers operating a dual actuator. 4,807,516, 2-28-89, Cl. 91-363.00A.
- Takats, Imre J.; and Aziz, George W., to Boeing Company, The. Flight control system employing two dual controllers operating a dual actuator. 4,887,214, 12-12-89, Cl. 364-424.010.
- Takatsu, Haruyoshi; Sasaki, Makoto; Tanaka, Yasuyuki; and Sato, Hisato, to Dainippon Ink and Chemicals, Inc. Tolan-type nematic liquid crystalline compounds. 4,820,878, 4-11-89, Cl. 568-659.000.
- Takatsu, Haruyoshi: *See—*
  - Sasaki, Makoto; Takeuchi, Kiyohumi; and Takatsu, Haruyoshi, 4,880,936, Cl. 546-339.000.
  - Takeuchi, Kiyohumi; Sasaki, Makoto; and Takatsu, Haruyoshi, 4,814,516, Cl. 568-631.000.
  - Tanaka, Yasuyuki; Takatsu, Haruyoshi; Takeuchi, Kiyohumi; and Tamura, Yuji, 4,814,523, Cl. 570-129.000.
- Takatsu, Kozo; and Kawata, Noboru, to Research Association for Petroleum Alternatives Development. Crystalline silicates and process for the production thereof. 4,837,000, 6-6-89, Cl. 423-328.000.
- Takatsu, Matsuo, to Tokki Corporation. Method of and apparatus for polishing a fiber. 4,850,148, 7-25-89, Cl. 51-73.00R.
- Takatsu, Norihiko: *See—*
  - Kimura, Keita; Takatsu, Norihiko; and Yamamoto, Tetsuya, 4,890,166, Cl. 358-228.000.
- Takatsu, Toshio, to Takatsu, Toshio; and G-C Dental Industrial Corp. Visual measurement method for reading occulusal clearance. 4,795,346, 1-3-89, Cl. 433-215.000.
- Takatsu, Toshio, to Toshio Takatsu; and G-C Dental Industrial Corp. Applicator for dental cement lining. 4,832,600, 5-23-89, Cl. 433-164.000.
- Takatsu, Toshio, to Takatsu, Toshio; and G-C Dental Industrial Corp. Filling and forming system for dental viscous plastic materials utilizing ultrasonic vibration. 4,850,875, 7-25-89, Cl. 433-226.000.
- Takatsuka, Hiromu: *See—*
  - Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukada, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
- Takatsuka, Keizo: *See—*
  - Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, 4,821,140, Cl. 361-341.000.
  - Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, 4,837,662, Cl. 361-335.000.
  - Torimi, Kiyokazu; Takeuchi, Hiroshi; and Takatsuka, Keizo, 4,821,141, Cl. 361-341.000.
- Takatsuka, Masanori; and Hariguchi, Yoshinori, to Yamaha Corporation. Vibration absorber for a racket. 4,811,947, 3-14-89, Cl. 273-73.00J.
- Takatsuka, Masanori, to Yamaha Corp. Racket frame. 4,861,029, 8-29-89, Cl. 273-73.00C.
- Takatsuka, Toru: *See—*
  - Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shoji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.
- Takatsuna, Kazutoshi: *See—*
  - Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, 4,883,636, Cl. 556-413.000.
- Takauji, Kiyomi, to Kabushiki Kaisha Kawai Gakki Seisakusho. Formant filter generator for an electronic musical instrument. 4,813,328, 3-21-89, Cl. 84-1.190.

- Takaya, Hidemasa: *See—*
  - Noyori, Ryoji; Kitamura, Masato; Takaya, Hidemasa; Kumobayashi, Hidenori; and Akutagawa, Susumu, 4,851,537, Cl. 546-146.000.
- Takaya, Soichi: *See—*
  - Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, 4,841,439, Cl. 364-200.000.
  - Ozawa, Koji; Araoka, Manabu; and Takaya, Soichi, 4,849,876, Cl. 364-200.000.
- Takaya, Susumu; Hirota, Hajime; and Nakamura, Motoko, to Kao Corporation. Antimicrobial suspensions and antimicrobial hair treatment compositions. 4,832,950, 5-23-89, Cl. 424-81.000.
- Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, to Fujisawa Pharmaceutical Co., Ltd. Syn-isomer of 3,7-disubstituted-3-cephem-4-carboxylic acid compounds and processes for the preparation thereof. 4,804,752, 2-14-89, Cl. 540-227.000.
- Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyosha; and Chiba, Toshiyuki, to Fujisawa Pharmaceutical Company, Limited. New cepham compounds and processes for the production thereof. 4,822,888, 4-18-89, Cl. 548-195.000.
- Takaya, Takao; Murata, Masayoshi; and Ito, Kiyotaka, to Fujisawa Pharmaceutical Co., Ltd. Pyrimidones as cardiotonic, anti hypertensive, cerebrovascular vasodilator and anti-platelet agents. 4,824,851, 4-25-89, Cl. 514-274.000.
- Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyoshi; and Chiba, Toshiyuki, to Fujisawa Pharmaceutical Company, Limited. New cephem and cepham compounds and processes for preparation thereof. 4,841,062, 6-20-89, Cl. 548-194.000.
- Takaya, Takao; Takasugi, Hisashi; Esumi, Kimio; Kuno, Atsushi; Sakai, Hiroyoshi; Maeda, Kazuhiro; and Sakamoto, Yoshie, to Fujisawa Pharmaceutical Co., Ltd. Morpholine containing pyridine compounds, compositions and use. 4,857,527, 8-15-89, Cl. 514-237.200.
- Takaya, Takao; Tozuka, Zenzoburo; Yasuda, Nobuyoshi; and Nishimura, Shintaro, to Fujisawa Pharmaceutical Co., Ltd. Cephem compounds. 4,861,769, 8-29-89, Cl. 514-202.000.
- Takaya, Takao; and Inamoto, Yoshiko, to Fujisawa Pharmaceutical Co., Ltd. 3,7-Disubstituted-3-cephem compounds. 4,868,174, 9-19-89, Cl. 514-202.000.
- Takaya, Takao; Tozuka, Zenzaburo; Yasuda, Nobuyoshi; and Kawabata, Kohji, to Fujisawa Pharmaceutical Co., Ltd. Cephem compounds. 4,871,730, 10-3-89, Cl. 514-206.000.
- Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, to Fujisawa Pharmaceutical Co., Ltd. Syn-isomer of 3,7-disubstituted-3-cephem-4-caroxylic acid compounds and processes for the preparation thereof. 4,871,860, 10-3-89, Cl. 548-195.000.
- Takaya, Takao; Masugi, Takashi; Takasugi, Hisashi; and Kochi, Hiromu, to Fujisawa Pharmaceutical Co., Ltd. Syn-isomer of 3,7-disubstituted-3-cephem-4-carboxylic acid compounds and processes for the preparation thereof. 4,877,873, 10-31-89, Cl. 544-227.000.
- Takaya, Takao: *See—*
  - Takasugi, Hisashi; Ito, Kiyotaka; Nishino, Shigetaka; Tanaka, Akito; and Takaya, Takao, 4,822,805, Cl. 514-341.000.
  - Takasugi, Hisashi; Kuno, Atsushi; Sakai, Hiroyoshi; Sugiyama, Yoshie; and Takaya, Takao, 4,831,030, Cl. 514-252.000.
- Takaya, Toshihiko: *See—*
  - Ishikawa, Toyoji; Kaneko, Toshio; Endo, Shuichi; Ogata, Yoshihiro; and Takaya, Toshihiko, 4,873,940, Cl. 118-651.000.
  - Nagatsuna, Shinzi; Takaya, Toshihiko; Saito, Kinzi; Matsushiro, Hiroyuki; and Ohashi, Michihito, 4,835,565, Cl. 355-259.000.
- Takaya, Tsuguo: *See—*
  - Matsuda, Tatsuhito; Funae, Yasuaki; Yoshida, Masahiro; and Takaya, Tsuguo, 4,810,812, Cl. 558-251.000.
- Takaya, Yoshikazu; and Yokoyama, Kazuo, to Mitsubishi Paper Mills, Ltd. Light sensitive material for making lithographic printing plate therefrom. 4,879,193, 11-7-89, Cl. 430-14.000.
- Takaya, Yoshikazu: *See—*
  - Nishinoiri, Hiroshi; Saikawa, Masahiko; Takaya, Yoshikazu; and Kanada, Eiji, 4,873,170, Cl. 430-204.000.
- Takayama, Akira: *See—*
  - Ikuta, Hirotoshi; and Takayama, Akira, 4,823,160, Cl. 355-3.0DR.
- Takayama, Haruyoshi, to Canon Kabushiki Kaisha. Transmission control apparatus. 4,839,908, 6-13-89, Cl. 375-104.000.
- Takayama, Hidehiko: *See—*
  - Shibuya, Tsuneo; Ishizuka, Yutaka; Takada, Haruhiko; Nakamura, Teruo; and Takayama, Hidehiko, 4,810,177, Cl. 418-76.000.
  - Sumikawa, Seiji; Takayama, Hidehiko; Suzuki, Yoshio; and Ono, Mitsuya, 4,830,590, Cl. 418-96.000.
- Takayama, Jin: *See—*
  - Smith, William J.; Takayama, Jin; Varisco, Frank J.; and Williams, Jeffery J., 4,843,576, Cl. 364-557.000.
- Takayama, Jun: *See—*
  - Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, 4,814,902, Cl. 360-33.100.
  - Inoguchi, Seiichi; Murai, Yoshio; Takayama, Jun; and Nagaishi, Katsuya, 4,881,127, Cl. 358-213.190.
- Takayama, Kazuo; Yabe, Eiji; Takagi, Kenichi; Fukui, Ryota; and Kikuchi, Riichi, to Nihon Shinku Gijutsu Kabushiki Kaisha. Double-chamber ion source. 4,841,197, 6-20-89, Cl. 315-111.810.
- Takayama, Kazuo: *See—*
  - Masuda, Yoshitomo; Shinoda, Isamu; Ogawa, Masao; Harada, Toyoo; Ogino, Takao; Takayama, Kazuo; Miyazaki, Tadaaki; and Kawagoe, Takahiro, 4,865,932, Cl. 429-194.000.
- Takayama, Kenichiro; Arai, Yukoh; Tomohiro, Susumu; and Shirasuna, Shizuko, to Kyowa Hakko Kogyo Co., Ltd. Process for producing menaquinone-4. 4,849,354, 7-18-89, Cl. 435-133.000.
- Takayama, Makoto, to Canon Kabushiki Kaisha. DPCM encoder. 4,797,653, 1-10-89, Cl. 341-51.000.
- Takayama, Makoto; and Takei, Masahiro, to Canon Kabushiki Kaisha. Video signal processing apparatus. 4,851,922, 7-25-89, Cl. 358-451.000.
- Takayama, Makoto: *See—*
  - Takei, Masahiro; and Takayama, Makoto, 4,829,386, Cl. 358-336.000.
- Takayama, Masahiro, to Bridgestone Corporation. Pneumatic tire. 4,838,330, 6-13-89, Cl. 152-537.000.
- Takayama, Masami: *See—*
  - Ueno, Eizi; and Takayama, Masami, 4,864,642, Cl. 455-277.000.
- Takayama, Morihiko, to System Instruments Co., Ltd. Digital filter. 4,852,034, 7-25-89, Cl. 364-724.010.
- Takayama, Naoto; Tsunekawa, Yuzo; and Kitamura, Kazumi, to Fuji Photo Film Co., Ltd. Grease applying method. 4,802,554, 2-7-89, Cl. 184-14.000.
- Takayama, Nobutoshi, to Canon Kabushiki Kaisha. Information signal reproducing apparatus capable of determining a track pitch of a record bearing medium using a tracking error signal and a signal indicative of the moving speed of the medium. 4,811,130, 3-7-89, Cl. 360-73.110.
- Takayama, Satoshi: *See—*
  - Kawakami, Katsura; Shimazaki, Shigeo; Takayama, Satoshi; and Onodera, Chika, 4,860,109, Cl. 358-400.000.
  - Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Saiki, Shuji; and Tanaka, Tsuneo, 4,803,242, Cl. 524-35.000.
  - Saito, Tamio; Takayama, Satoshi; Suda, Yoshiyuki; Shimada, Osamu; and Mori, Ken-ichi, 4,803,375, Cl. 250-578.000.
- Takayama, Shigeru, to NEC Corporation. Semiconductor memory device. 4,802,126, 1-31-89, Cl. 365-190.000.
- Takayama, Shinitiro: *See—*
  - Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.
- Takayama, Shinji; Kirino, Fumiyoshi; and Sugita, Yutaka, to Hitachi, Ltd. Magneto-optical recording medium. 4,838,962, 6-13-89, Cl. 148-304.000.
- Takayama, Shinji; Niihara, Toshio; Kaneko, Katsuhiro; and Sugita, Yutaka, to Hitachi, Ltd. Magneto-optical recording material. 4,880,694, 11-14-89, Cl. 428-336.000.
- Takayama, Suguru: *See—*
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,828,899, Cl. 428-143.000.
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,835,032, Cl. 428-143.000.
  - Arioka, Hiroyuki; Nishimatsu, Masaharu; and Takayama, Suguru, 4,837,116, Cl. 428-141.000.
  - Uchiyama, Kenji; Ishizaki, Hideki; Utsunomiya, Hajime; and Takayama, Suguru, 4,849,304, Cl. 428-694.000.
  - Uchiyama, Kenji; Ishizaki, Hideki; and Takayama, Suguru, 4,861,656, Cl. 428-333.000.
- Takayama, Sui, to Nippon Gear Co., Ltd.; and Atsugi Machinery Co., Ltd. Motion conversion mechanism. 4,811,618, 3-14-89, Cl. 74-89.150.
- Takayama, Syuichi, to Olympus Optical Co., Ltd. Stone disintegrator apparatus. 4,799,482, 1-24-89, Cl. 128-328.000.
- Takayama, Syuichi: *See—*
  - Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, 4,872,458, Cl. 128-401.000.
  - Nakada, Akio; Takayama, Syuichi; Kubota, Tatsuya; Kubota, Tetsumaru; Taguchi, Koji; Imade, Shinichi; and Sekino, Naomi, 4,867,141, Cl. 128-24.00A.
- Takayama, Tadashi: *See—*
  - Takei, Masahiro; and Takayama, Tadashi, 4,802,003, Cl. 358-133.000.
  - Yamagata, Shigeo; Takei, Masahiro; Takayama, Tadashi; and Ito, Kazuhiko, 4,872,066, Cl. 358-336.000.
- Takayama, Takanobu: *See—*
  - Susa, Kenzo; Takagi, Kazumasa; Kobayashi, Toshio; Takayama, Takanobu; and Ohta, Norio, 4,876,144, Cl. 428-336.000.
- Takayama, Takeshi, to Sumitomo Heavy Industries, Ltd. Method of incidence of charged particles into a magnetic resonance type accelerator and a magnetic resonance type accelerator in which this method of incidence is employed. 4,849,705, 7-18-89, Cl. 328-233.000.
- Takayama, Teruyuki: *See—*
  - Tominaga, Haruo; Takayama, Teruyuki; Miyauchi, Kenichi; and Yamaguchi, Tetsuo, 4,844,147, Cl. 164-450.000.
- Takayama, Toshio, to Tokico Ltd. Vehicle braking system. 4,871,215, 10-3-89, Cl. 303-100.000.
- Takayama, Toshio, to Tokico, Ltd. Braking device for use in a motor vehicle. 4,875,740, 10-24-89, Cl. 303-50.000.
- Takayama, Tsutomu: *See—*
  - Suzuki, Masao; Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, 4,833,525, Cl. 358-29.000.
- Takayama, Yasunari: *See—*
  - Noguchi, Ichiro; Kobayashi, Kazuo; Sawada, Toru; Okita, Masao; Takayama, Yasunari; and Kozumi, Kazuo, 4,831,479, Cl. 360-105.000.
- Takayanagi, Hiroshi; Kobayashi, Tadashi; Masuda, Takayoshi; and Shinoda, Hosei, to Mitsui Toatsu Chemicals, Incorporated. Preparation process of dl-lactic acid-glycolic acid-copolymer. 4,859,763, 8-22-89, Cl. 528-357.000.

Takayanagi, Kenichiro: *See—*
Shibuya, Kiminobu; and Takayanagi, Kenichiro, 4,854,905, Cl. 445-30.000.
Takayanagi, Makoto, to Aisin Seiki Kabushiki Kaisha. Solenoid assembly. 4,882,558, 11-21-89, Cl. 335-260.000.
Takayanagi, Noriyasu: *See—*
Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.
Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
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Takayanagi, Takashi; and Kawaguchi, Hideo, to Fuji Photo Film Co., Ltd. Process for producing oriented film. 4,810,433, 3-7-89, Cl. 264-22.000.
Takayanagi, Takashi; and Kawaguchi, Hideo, to Fuji Photo Film Co., Ltd. Liquid crystal optical elements. 4,842,380, 6-27-89, Cl. 350-351.000.
Takayanagi, Takashi; Munekata, Seiji; Miyazaki, Nobuyuki; and Moriwaki, Ken, to Asahi Glass Company, Ltd. Coating composition and coated product. 4,861,667, 8-29-89, Cl. 428-421.000.
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Takayanagi, Takeo. Complexes of AZO compounds and/or their salts and an antitumor agent and a method for reducing the growth of tumors. 4,863,910, 9-5-89, Cl. 514-150.000.
Takayanagi, Yasuyuki: *See—*
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Takayasu, Masakatsu. Aeroponic apparatus. 4,813,176, 3-21-89, Cl. 47-59.000.
Takayuki, Naoi: *See—*
Nikaido, Hideyuki; Takayuki, Naoi; Komori, Atsushi; and Nihei, Mitsuo, 4,852,383, Cl. 72-407.000.
Takazawa, Kazuhisa: *See—*
Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.
Take, Andrew H. J.: *See—*
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Take, Hideo: *See—*
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Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,799,057, Cl. 340-811.000.
Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,825,203, Cl. 340-784.000.
Yamamoto, Kunihiko; Ishii, Yutaka; and Take, Hiroshi, 4,801,933, Cl. 340-784.000.
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Take, Seiji: *See—*
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Takebayashi, Hiroaki: *See—*
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Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, to Minolta Camera Kabushiki Kaisha. Image forming apparatus and image forming method employed therefor. 4,847,658, 7-11-89, Cl. 355-245.000.
Takebe, Kaoru, to Minolta Camera Kabushiki Kaisha. Image forming apparatus. 4,890,139, 12-26-89, Cl. 355-268.000.
Takebe, Kaoru: *See—*
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Takechi, Moriaki; Watanabe, Tsugio; and Kuroda, Shigenori, to Mitsubishi Denki Kabushiki Kaisha. Electromagnet having magnetic shield. 4,800,355, 1-24-89, Cl. 335-301.000.
Takechi, Moriaki, to Mitsubishi Denki Kabushiki Kaisha. Superconducting magnet apparatus with emergency run down unit. 4,807,084, 2-21-89, Cl. 361-141.000.
Takechi, Moriaki, to Mitsubishi Denki Kabushiki Kaisha. Superconducting electromagnet for NMR imaging. 4,833,434, 5-23-89, C 335-217.000.
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Takechi, Moriaki; and Simada, Yuji, to Mitsubishi Denki Kabushiki Kaisha. Nuclear magnetic resonance imaging apparatus. 4,857,84 8-15-89, Cl. 324-318.000.
Takechi, Moriaki, to Mitsubishi Denki Kabushiki Kaisha. Superconducting electromagnet apparatus. 4,868,707, 9-19-89, Cl. 361-141.000.
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Takeda, Akihiko; Kaneda, Hiroyuki; and Suzuki, Shigeru, to Honda Giken Kogyo Kabushiki Kaisha. Cylinder head cooling structure for water-cooled multicylinder engine. 4,889,079, 12-26-89, Cl. 123-41.82R.
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Horii, Satoshi; and Fukase, Hiroshi, 4,824,943, Cl. 536-1.100.
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Shirafuji, Hideo; Yamaguchi, Takamasa; and Nogami, Ikuo, 4,876,195, Cl. 435-137.000.
Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,816,466, Cl. 514-319.000.
Sugihara, Hirosada; Nishikawa, Kohei; and Ito, Katsumi, 4,871,842, Cl. 540-523.000.
Sugihara, Hirosada; Itoh, Katsumi; and Nishikawa, Kohei, 4,880,809, Cl. 514-255.000.
Takanohashi, Kunio; Tanaka, Mitsutaka; and Yamano, Toru, 4,845,246, Cl. 549-315.000.
Terao, Shinji; Okazaki, Hisayoshi; and Imada, Isuke, 4,808,339, Cl. 260-396.00R.
Terao, Shinji; Azuma, Mitsuyoshi; and Watanabe, Noriko, 4,826,872, Cl. 514-474.000.
Terao, Shinji; and Nishikawa, Kohei, 4,851,413, Cl. 514-277.000.
Terao, Shinji; and Maki, Yoshitaka, 4,857,516, Cl. 514-100.000.
Terao, Shinji; Okazaki, Hisayoshi; and Imada, Isuke, 4,874,752, Cl. 536-55.200.
Toyota, Takeshi; Kanemaru, Toshihiko; and Kasai, Hiroshi, 4,806,370, Cl. 426-99.000.
Tsukamoto, Takashi; Hatta, Toyoji; and Minato, Ichiro, 4,841,008, Cl. 528-45.000.
Tsunemi, Yutaka; Asahi, Satoru; and Doi, Muneharu, 4,880,736, Cl. 435-87.000.
Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, 4,816,239, Cl. 423-280.000.
Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, 4,863,706, Cl. 423-277.000.
Watanabe, Masazumi; and Imada, Isuke, 4,831,265, Cl. 260-396.00R.
Watanabe, Takashi; and Sumina, Ikuo, 4,816,071, Cl. 106-18.340.
Yamamoto, Masaki; Okada, Hiroaki; Ogawa, Yasuaki; and Miyagawa, Tsutomu, 4,849,228, Cl. 424-457.000.
Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.
Yoshimura, Yoshinobu; Hashimoto, Naoto; and Kishimoto, Shoji, 4,826,834, Cl. 514-207.000.
Yoshio, Taniyama; Koichi, Igarashi; and Ryuji, Marumoto, 4,849,350, Cl. 435-68.000.
Yoshioka, Kouichi, 4,882,434, Cl. 546-283.000.
Yoshioka, Masanori; Hou, Hidemitsu; and Kawai, Nobufumi, 4,855,405, Cl. 530-300.000.
Takeda, Etsuya: *See—*
Nagata, Seiichi; Hotta, Sadayoshi; Takeda, Etsuya; and Miyata, Yutaka, 4,823,126, Cl. 340-825.790.
Takeda, Fumiaki: *See—*
Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka; and Nakano, Masaru, 4,831,316, Cl. 318-568.130.
Takeda, Fumio: *See—*
Sato, Shinichi; and Takeda, Fumio, 4,827,266, Cl. 343-700.0MS.
Seino, Kiyoharu; Takagi, Tadashi; Takeda, Fumio; and Ikeda, Yukio, 4,853,649, Cl. 330-277.000.
Takagi, Tadashi; Seino, Kiyoharu; and Takeda, Fumio, 4,803,443, Cl. 330-277.000.
Takeda, Hajime: *See—*
Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
Takeda, Haruki: *See—*
Matsuishi, Naoto; Takeda, Haruki; Iizumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, 4,808,596, Cl. 514-303.000.
Takeda, Haruo; Tabata, Kuniaki; and Nakamura, Masao, to Hitachi, Ltd. Image data file storage and retrieval system for an image data filing system. 4,808,987, 2-28-89, Cl. 340-721.000.
Takeda, Haruo, to Hitachi, Ltd. Method for storing data in rotary type recording media. 4,853,921, 8-1-89, Cl. 369-59.000.
Takeda, Haruo: *See—*
Tabata, Kuniaki; Machida, Tetsuo; Takeda, Haruo; Takada, Naoki; and Okada, Yasuyuki, 4,809,345, Cl. 382-47.000.
Takeda, Hideichiro: *See—*
Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
Takeda, Hideki: *See—*
Takenawa, Seishi; Ueda, Mikio; and Takeda, Hideki, 4,842,873, Cl. 426-49.000.
Takeda, Hideo: *See—*
Shibata, Norio; Sato, Tsunehiko; Takeda, Hideo; and Chino, Naoyoshi, 4,796,557, Cl. 118-62.000.
Sugiyama, Tuyoshi; Takeda, Hideo; Sato, Tsunehiko; and Chikamasa, Hiroshi, 4,887,623, Cl. 134-64.00R.
Takeda, Hiroaki: *See—*
Honma, Toshio; Takeda, Hiroaki; and Suzuki, Tadashi, 4,821,068, Cl. 355-14.00E.
Sato, Isamu; Ishida, Masato; Abe, Eiichi; and Takeda, Hiroaki, 4,855,767, Cl. 346-160.000.
Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,[illegible] Cl. 355-204.000.
Takeda, Hirofumi: *See—*
Murakami, Haruhiko; Takeda, Hirofumi; and Sakamoto, Hiroshi, 4,818,791, Cl. 525-124.000.
Takeda, Hiromasa: *See—*
Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,844,949, Cl. 427-213.000.
Arai, Tohru; Endo, Junji; and Takeda, Hiromasa, 4,871,401, Cl. 148-14.000.
Takeda, Hiromitsu; Nakahashi, Masako; Shirokane, Makoto; and Yamazaki, Tatsuo, to Kabushiki Kaisha Toshiba. Method of coating a nitride ceramic member. 4,876,119, 10-24-89, Cl. 427-250.000.
Takeda, Hiromitsu: *See—*
Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. 174-68.500.
Takeda, Hiroshi, to Seiko Epson Corporation. Character pattern generator for dot matrix printer. 4,883,377, 11-28-89, Cl. 400-121.000.
Takeda, Hiroshi: *See—*
Endo, Akihiko; Takeda, Shigeki; and Takeda, Hiroshi, 4,841,545, Cl. 375-1.000.
Yokota, Yoshikazu; and Takeda, Hiroshi, 4,845,657, Cl. 364-900.000.
Takeda, Hisami: *See—*
Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.
Takeda, Hitoshi: *See—*
Takase, Sadao; Takeda, Hitoshi; and Isobe, Osamu, 4,798,105, Cl. 74-866.000.
Takeda, Jiro: *See—*
Davies, Dylan H.; and Takeda, Jiro, 4,857,831, Cl. 324-65.0CR.
Takeda, Kanji; Taguchi, Seiji; Nakai, Toshikazu; and Kato, Haruo, to Kawasaki Steel Corporation. Method and device for monitoring combustion in furnace. 4,842,253, 6-27-89, Cl. 266-44.000.
Takeda, Katsu: *See—*
Kawasaki, Osamu; Inaba, Ritsuo; Tokushima, Akira; and Takeda, Katsu, 4,829,209, Cl. 310-323.000.
Kawasaki, Osamu; Takeda, Katsu; Inaba, Ritsuo; and Fukada, Tetsuji, 4,853,579, Cl. 310-116.000.
Takeda, Katsuhiko, to Minolta Camera Kabushiki Kaisha. Magnification varying device for electro-photographic copying machine. 4,800,414, 1-24-89, Cl. 355-58.000.
Takeda, Katsuhiko; Yoshida, Kazuyuki; and Kitajima, Yamato, to Minolta Camera Kabushiki Kaisha. Slit illumination system for copying machine and the like. 4,816,875, 3-28-89, Cl. 355-67.000.
Takeda, Kazuhisa: *See—*
Kim, Soonih; Takeda, Kazuhisa; and Sasatani, Seiei, 4,889,723, Cl. 424-450.000.
Takeda, Kazuo; Ito, Yoshitoshi; Honma, Noriaki; and Munakata, Chusuke, to Hitachi, Ltd. Apparatus for measuring particles in liquid. 4,876,458, 10-24-89, Cl. 250-574.000.

- Takeda, Keiji; and Hayakawa, Yoshihide, to Fuji Photo Film Co., Ltd. Photographic image recording method using silver halide and vinyl monomer. 4,859,568, 8-22-89, Cl. 430-269.000.
- Takeda, Ken'ichi; and Horibe, Isao, to Shionogi & Co., Ltd. Novel substituted anthrasteroid derivatives. 4,874,898, 10-17-89, Cl. 568-369.000.
- Takeda, Kenji; Ishikawa, Ken; Kanetake, Tatsuo; Kojima, Takashi; and Itsubo, Akira, to Mitsubishi Petrochemical Co., Ltd. Process for producing molecular orientated film. 4,863,763, 9-5-89, Cl. 427-355.000.
- Takeda, Kenji: *See—*
  - Takada, Yusaku; and Takeda, Kenji, 4,875,069, Cl. 355-271.000.
  - Yamagishi, Yutaka; and Takeda, Kenji, 4,885,469, Cl. 250-345.000.
- Takeda, Kimiharu: *See—*
  - Hirano, Takahisa; Hagimoto, Kiyoshi; and Takeda, Kimiharu, 4,856,973, Cl. 418-55.000.
- Takeda, Kimihito: *See—*
  - Adachi, Hisahiro; Takeda, Kimihito; Kumano, Akira; Nogami, Hiroyasu; Miike, Seiji; Amano, Shinya; and Kawada, Tsutomu, 4,866,670, Cl. 364-900.000.
  - Okamoto, Toshio; and Takeda, Kimihito, 4,805,132, Cl. 364-900.000.
- Takeda, Kiyonori: *See—*
  - Shiraki, Hisashi; Nagahisa, Toshio; Takeda, Kiyonori; and Harada, Takeshi, 4,832,853, Cl. 210-781.000.
- Takeda Kiyoshi: *See—*
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,814,475, Cl. 556-489.000.
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,876,363, Cl. 549-215.000.
  - Kajitani, Masahiko; Takeda, Kiyoshi; Isono, Koji; Hirose, Masumi; Matsubara, Kouji; and Shuda, Etsuji, 4,841,132, Cl. 235-472.000.
- Takeda, Koichi: *See—*
  - Saiki, Goro; Kondo, Jiro; Takeda, Koichi; Maki, Mutsuo; and Ooki, Tutomu, 4,812,166, Cl. 75-0.50C.
- Takeda, Kunihiko, to Asahi Kasei Kogyo Kabushiki Kaisha. Continuous chromatographic separation of uranium isotopes. 4,803,057, 2-7-89, Cl. 423-6.000.
- Takeda, Kuninobu, to Alps Electric Co., Ltd. Disk cartridge loading and ejecting mechanism in recording/reproducing apparatus. 4,835,638, 5-30-89, Cl. 360-99.020.
- Takeda, Kyoji; and Suekane, Yoji, to Tanaka Seiki Co., Ltd. Coil winding machine having a tape winder. 4,878,628, 11-7-89, Cl. 242-7.080.
- Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, to Sharp Kabushiki Kaisha. Circuit for driving a matrix display device with a plurality of isolated driving blocks. 4,799,057, 1-17-89, Cl. 340-811.000.
- Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, to Sharp Kabushiki Kaisha. Drive circuit for color liquid crystal display device. 4,825,203, 4-25-89, Cl. 340-784.000.
- Takeda, Makoto: *See—*
  - Matsuhashi, Nobuaki; Takeda, Makoto; and Take, Hiroshi, 4,830,466, Cl. 350-333.000.
  - Matsuhashi, Nobuaki; Takeda, Makoto; Yamamoto, Kunihiko; and Take, Hiroshi, 4,845,473, Cl. 340-784.000.
  - Watanabe, Yoshihisa; Takeda, Makoto; Kinoshita, Hisao; and Fujishima, Akiko, 4,849,496, Cl. 528-271.000.
- Takeda, Mamoru: *See—*
  - Yamashita, Ichiro; and Takeda, Mamoru, 4,890,097, Cl. 340-719.000.
- Takeda, Masaru; and Tabata, Toshiyuki, to Nissan Motor Co. Ltd. Power unit mounting device. 4,884,789, 12-5-89, Cl. 267-140.100.
- Takeda, Masatoshi; Ikeda, Kazuo; Tominaga, Yoshiharu; and Mori, Kenji, to Mitsubishi Denki Kabushiki Kaisha. Harmonic suppressing device. 4,812,669, 3-14-89, Cl. 307-105.000.
- Takeda, Masatoshi, to Mitsubishi Denki Kabushiki Kaisha. Active filter unit. 4,835,411, 5-30-89, Cl. 307-105.000.
- Takeda, Masatoshi, to Mitsubishi Denki Kabushiki Kaisha. Reactive power compensation system. 4,857,821, 8-15-89, Cl. 323-210.000.
- Takeda, Masayuki: *See—*
  - Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.
  - Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
  - Matsumura, Yasuo; Aoki, Takayoshi; Takeda, Masayuki; Suzuki, Chiaki; and Nagatsuka, Ikutaroh, 4,859,558, Cl. 430-110.000.
  - Nagatsuka, Ikutaroh; Matsumura, Yasuo; Takeda, Masayuki; Suzuki, Chiaki; and Aoki, Takayoshi, 4,868,083, Cl. 430-108.000.
- Takeda, Mikio; Inage, Masaru; Wada, Hiroshi; Tamaki, Hajime; and Ochiai, Takashi, to Tanabe Seiyaku Co., Ltd. Imidazolidinones as brain activators. 4,886,817, 12-12-89, Cl. 514-341.000.
- Takeda, Mitsuru; and Kuramochi, Wataru, to Dai Nippon Insatsu Kabushiki Kaisha. Optical recording cards with non-recording reflective layer. 4,816,362, 3-28-89, Cl. 430-14.000.
- Takeda, Naohiro; Otani, Yuzo; Kita, Masahiro; and Okajima, Nariaki, to Diafoil Company, Limited. Magnetic recording medium. 4,795,672, 1-3-89, Cl. 428-216.000.
- Takeda, Noboru, to Asahi Kasei Kogyo Kabushiki Kaisha. Foams of polyolefin/polystyrene resin mixture. 4,847,150, 7-11-89, Cl. 428-318.800.
- Takeda, Nobuaki: *See—*
  - Kono, Yoichiro; Kumagai, Yasuaki; Takeda, Nobuaki; and Ogita, Hiroshi, 4,881,959, Cl. 55-267.000.
- Takeda, Osamu: *See—*
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,799,707, Cl. 280-711.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,826,141, Cl. 267-64.280.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,834,418, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,511, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,575, Cl. 280-702.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,852,906, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,856,798, Cl. 280-6.110.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,858,895, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,869,528, Cl. 280-707.000.
- Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sada Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessh Yasunori; Fuse, Motomasa; and Yokomi, Michiro, to Hitachi, Lt Light water moderation type nuclear reactor. 4,851,181, 7-25-89, C 376-267.000.
- Takeda, Renzo: *See—*
  - Aoyama, Motoo; and Takeda, Renzo, 4,871,510, Cl. 376-444.0
  - Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, 4,876,062, Cl. 376-444.000.
- Takeda Riken Kogyo Kabushiki Kaisha: *See—*
  - Shibayama, Akinori; and Niijima, Hironobu, 4,835,535, C 341-120.000.
- Takeda, Ryuzaburo; Koizumi, Hideaki; and Ishizuka, Toshihiro, t Hitachi, Ltd. Method of selecting specific region of sample 4,814,709, 3-21-89, Cl. 324-309.000.
- Takeda, Ryuzaburo; Koizumi, Hideaki; and Miyamoto, Yoshiyuki, t Hitachi, Ltd. Nuclear magnetic resonance imaging apparatu 4,889,127, 12-26-89, Cl. 128-653.000.
- Takeda, Ryuzaburo: *See—*
  - Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, C 128-653.000.
- Takeda, Sakae: *See—*
  - Koshimizu, Chishio; Hayakawa, Yasuo; Nonaka, Toshio; an Takeda, Sakae, 4,862,383, Cl. 364-507.000.
- Takeda, Satoru; Hayashi, Toshihiro; and Kohno, Hiroshige, to Asa Denka Kogyo K. K. Apparatus for producing cast produc 4,854,843, 8-8-89, Cl. 425-437.000.
- Takeda, Satoru: *See—*
  - Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawat Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Taishi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.
- Takeda, Satoshi: *See—*
  - Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Mori Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiros Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, C 375-116.000.
- Takeda Seisakusho: *See—*
  - Takeda, Toshio, 4,813,247, Cl. 68-18.00C.
- Takeda, Setsuo: *See—*
  - Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Taked Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Uem Norio, 4,886,877, Cl. 536-23.000.
- Takeda, Shigehumi: *See—*
  - Kimura, Masayuki; Hosaka, Kunio; Takeda, Shigehumi; and Matsuhashi, Hiroshi, 4,849,448, Cl. 514-464.000.
- Takeda, Shigeki; and Takahashi, Akihiro, to Kyocera Corporatio Circularly polarized complementary antenna with patch and dipo elements. 4,879,563, 11-7-89, Cl. 343-725.000.
- Takeda, Shigeki: *See—*
  - Endo, Akihiko; Takeda, Shigeki; and Takeda, Hiroshi, 4,841,5 Cl. 375-1.000.
- Takeda, Shigeru; and Makio, Satoshi, to Hitachi Metals, Ltd. Apparatu for suppressing backward propagation along an optical path, com prising magnetic configurations that improve the Faraday effe 4,865,429, 9-12-89, Cl. 350-375.000.
- Takeda, Shinji; and Hashimoto, Mitsuharu, to Sekisui Kagaku Kogy Kabushiki Kaisha. Ball valve. 4,813,649, 3-21-89, Cl. 251-315.00
- Takeda, Shinji; and Hashimoto, Mitsuharu, to Sekisui Kagaku Kogy Kabushiki Kaisha. Ball valve. 4,869,450, 9-26-89, Cl. 251-315.0
- Takeda, Shinji: *See—*
  - Hashimoto, Mitsuharu; and Takeda, Shinji, 4,883,2 C 251-315.000.
- Takeda, Shuji, to Tanaka Seiko Co., Ltd. Automatic finishing syste for wound coil in coil winding machine. 4,823,459, 4-25-89, C 29-563.000.
- Takeda, Syunya, to Sekisui Jushi Kabushiki Kaisha. Tape measur 4,813,625, 3-21-89, Cl. 242-84.800.
- Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tsuna Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, to Mitsubi Denki Kabushiki Kaisha. Low pressure mercury vapor discharg lamp and preparation thereof. 4,840,593, 6-20-89, Cl. 445-26.00
- Takeda, Takashi; Omori, Katsumi; Ohkuma, Toshiyuki; Kidera, Ke Nakagawa, Shigeru; and Hirose, Tetsuzo, to Nippon Kokan Kabu shiki Kaisha. Frost damage proofed pile. 4,818,148, 4-4-89, C 405-234.000.

- Takeda, Takashi: *See—*
  - Ogata, Minoru; Takeda, Takashi; Kuo, Hideo; Nakazawa, Tamotsu; and Abe, Shintaro, 4,827,349, Cl. 358-256.000.
- Takeda, Takeshi; Tsuchiya, Sohji; Watanabe, Yoshio; and Sekido, Satoshi, to Matsushita Electric Industrial Co., Ltd. Multi-layered dielectric element. 4,887,186, 12-12-89, Cl. 361-321.000.
- Takeda, Takeshi: *See—*
  - Sekido, Satoshi; Takeda, Takeshi; and Tsuchiya, Sohji, 4,832,818, Cl. 204-412.000.
- Takeda, Tamio; and Take, Minoru, to Kabushiki Kaisha Kenwood. Inclination detector. 4,798,087, 1-17-89, Cl. 73-649.000.
- Takeda, Tatsumichi: *See—*
  - Inoue, Masahide; Ichitsuka, Takeshi; Hirayama, Yasuhiko; Koshikawa, Shozo; Kitaoka, Tateki; Nakabayashi, Nobuo; Takeda, Tatsumichi; and Minoo, Osamu, 4,798,585, Cl. 604-93.000.
- Takeda, Toru: *See—*
  - Kozakae, Kunitoshi; and Takeda, Toru, 4,858,485, Cl. 74-399.000.
  - Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.
- Takeda, Toshifumi: *See—*
  - Matsumoto, Youichi; Shibata, Ryuuji; Kobayashi, Isamu; Meguro, Satoshi; Nagasawa, Kouichi; Meguro, Hideo; Moriuchi, Hisahiro; Ogata, Masahiro; Sakai, Kikuo; and Takeda, Toshifumi, 4,805,143, Cl. 365-104.000.
- Takeda, Toshihide: *See—*
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Takeda, Toshiki: *See—*
  - Ito, Hiroshi; Nagao, Terumi; Takeda, Toshiki; Maruyama, Yohikuni; and Kanno, Toshitake, 4,809,762, Cl. 164-9.000.
- Takeda, Toshio, to Takeda Seisakusho; and Japan Vic Service, Co., Ltd. Apparatus for cleaning of clothes. 4,813,247, 3-21-89, Cl. 68-18.00C.
- Takeda, Toyohiko: *See—*
  - Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.
  - Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; Noda, Kinzaburo; and Fujii, Toshiro, 4,828,840, Cl. 424-474.000.
- Takeda, Yasushi, to Novatec S.A. Method and apparatus for determining the local velocities in a moving fluid by means of doppler ultrasonic echography. 4,825,422, 4-25-89, Cl. 367-90.000.
- Takeda, Yasuyuki, to Polyplastics Co., Ltd. Carriage apparatus for signal recording and regenerating equipment. 4,831,480, 5-16-89, Cl. 360-106.000.
- Takeda, Yorio: *See—*
  - Minamoto, Masaya; Kojima, Mitsuru; Sagara, Toshiharu; and Takeda, Yorio, 4,808,443, Cl. 427-407.100.
- Takeda, Yoshiaki; Asada, Kazuo; and Eda, Shigehiro, to Tamura Electric Works, Ltd. Public telephone set. 4,819,261, 4-4-89, Cl. 379-27.000.
- Takeda, Yoshiaki: *See—*
  - Fukuzawa, Sooichi; Takeda, Yoshiaki; and Ohwa, Yoshio, 4,860,990, Cl. 251-30.030.
- Takeda, Yoshihumi; Takamizawa, Minoru; and Hayashida, Akira, to Shin-Etsu Chemical Co., Ltd. Process for manufacturing organic silazane polymers and ceramics therefrom. 4,869,854, 9-26-89, Cl. 264-22.000.
- Takeda, Yoshihumi: *See—*
  - Takamizawa, Minoru; Takeda, Yoshihumi; Hayashida, Akira; and Takeno, Tsutomu, 4,847,345, Cl. 528-35.000.
  - Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, 4,870,035, Cl. 501-88.000.
- Takeda, Yoshimitsu; Mochida, Haruo; Iwasaki, Tsutomu; and Kanai, Toshio, to Nissan Motor Co., Ltd. Alarm apparatus for automatic transmission vehicle. 4,871,994, 10-3-89, Cl. 340-457.000.
- Takeda, Yoshinobu; and Yamamoto, Kunio, to Mitsubishi Kinzoku Kabushiki Kaisha. Injection molding process. 4,826,641, 5-2-89, Cl. 264-40.500.
- Takeda, Yoshinobu; and Yamamoto, Kunio, to Mitsubishi Kinzoku Kabushiki Kaisha. Injection molding process for molten plastic. 4,882,117, 11-21-89, Cl. 264-328.900.
- Takeda, Youichi, to Mazda Motor Corporation. Vehicle suspension assembly. 4,817,973, 4-4-89, Cl. 280-781.000.
- Takeda, Yukimasa; and Wakatuki, Yuji, to Hoshizaki Electric Co., Ltd. Apparatus for defrosting frozen articles. 4,812,622, 3-14-89, Cl. 219-400.000.
- Takeda, Yukimasa: *See—*
  - Torimitsu, Hiroshi; Takeda, Yukimasa; and Tsuchikawa, Koji, 4,838,702, Cl. 366-149.000.
- Takeda, Yukio; and Ogihara, Satoru, to Hitachi, Ltd. Electrical insulating, sintered aluminum nitride body having a high thermal conductivity and process for preparing the same. 4,796,077, 1-3-89, Cl. 357-67.000.
- Takeda, Yukio: *See—*
  - Oishi, Yasuyuki; Takano, Takeshi; Nakamura, Takaharu; Takeda, Yukio; and Watanabe, Yasunobu, 4,870,659, Cl. 375-82.000.
- Takeda, Yuri: *See—*
  - Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, 4,869,201, Cl. 118-308.000.
- Takeda, Yutaka: *See—*
  - Kobuchi, Shigeru; Isobe, Asao; Makino, Daisuke; and Takeda, Yutaka, 4,801,519, Cl. 430-331.000.
- Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, to Toda Kogyo Corp. Spindle-like magnetic iron oxide particles and process for producing the same. 4,873,010, 10-10-89, Cl. 252-62.590.
- Takedomi, Yumiko: *See—*
  - Masaki, Kenji; Osawa, Izumi; Fujiwara, Masanori; Doi, Isao; and Takedomi, Yumiko, 4,886,724, Cl. 430-66.000.
- Takegahara, Takashi: *See—*
  - Kishi, Hajimu; Takegahara, Takashi; and Yukutomo, Masashi, 4,841,432, Cl. 364-191.000.
  - Seki, Masaki; and Takegahara, Takashi, 4,870,560, Cl. 364-191.000.
  - Tanaka, Kunio; Takegahara, Takashi; and Onishi, Yasushi, 4,799,143, Cl. 364-191.000.
- Takegawa, Katumi: *See—*
  - Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, 4,887,974, Cl. 439-259.000.
- Takegawa, Keinosuke, to Shimizu Construction Co., Ltd. Shield tunneling method and assembling and disassembling apparatus for use in practicing the method. 4,808,030, 2-28-89, Cl. 405-146.000.
- Takegawa, Yoshikazu: *See—*
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,813,324, Cl. 83-848.000.
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,827,822, Cl. 83-835.000.
- Takegawa, Yuji: *See—*
  - Taguchi, Katsuhiko; Imamiya, Yoshimi; Takegawa, Yuji; Kuroda, Kiyoshi; and Arashi, Sotonari, 4,848,606, Cl. 222-333.000.
- Takegawa, Yujiro, to Tsudakoma Corp. Picking control method and picking controller. 4,815,502, 3-28-89, Cl. 139-452.000.
- Takegawa, Yujiro, to Tsudakoma Corporation. Automatic picking regulating method for air jet loom and apparatus for carrying out the same. 4,827,990, 5-9-89, Cl. 139-435.000.
- Takegawa, Yujiro, to Tsudakoma Corporation. Picking controller for an air jet loom. 4,830,063, 5-16-89, Cl. 139-435.000.
- Takegawa, Yujiro, to Tsudakoma Corp. Picking controller for a fluid jet loom. 4,886,094, 12-12-89, Cl. 139-452.000.
- Takegawa, Yukio: *See—*
  - Higuchi, Tetuya; Tsukada, Akira; and Takegawa, Yukio, 4,820,617, Cl. 430-570.000.
- Takegoshi, Tetsuji: *See—*
  - Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
- Takeguchi, Shunsuke: *See—*
  - Umeha, Genkichi; Urano, Shigeru; Hirakawa, Osamu; and Takeguchi, Shunsuke, 4,863,513, Cl. 75-231.000.
- Takehana, Sakae; Ueda, Yasuhiro; and Sakurai, Tomohisa, to Olympus Optical Co., Ltd. Endoscope for automatically adjusting an angle with a shape memory alloy. 4,884,557, 12-5-89, Cl. 128-4.000.
- Takehana, Takamichi; Murayama, Osamu; Nakajima, Hideaki; Yamada, Masatoshi; and Hamada, Makoto, to Chinon Kabushiki Kaisha. Camera zoom lens automatic magnification apparatus. 4,878,080, 10-31-89, Cl. 354-403.000.
- Takehana, Tatsuo, to Tsudakoma Corp. Method of discriminating and change a yarn package. 4,815,501, 3-28-89, Cl. 139-429.000.
- Takehana, Tatsuo; and Matsuda, Fumio, to Tsudakoma Corp. Yarn guide device. 4,856,691, 8-15-89, Cl. 226-91.000.
- Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, to Coca-Cola Company, The. Process for producing bottled beverages. 4,840,014, 6-20-89, Cl. 53-432.000.
- Takehara, Hiroshi: *See—*
  - Makino, Katsumi; Ohashi, Yuichi; Takehara, Hiroshi; Suga, Yoichi; and Shiozawa, Takekimi, 4,853,322, Cl. 430-567.000.
  - Ohashi, Yuichi; Shibahara, Yoshihiko; Makino, Katsumi; and Takehara, Hiroshi, 4,835,095, Cl. 430-567.000.
- Takehara, Isamu; Yamamura, Akira; Osawa, Tsutomu; and Oki, Shigaru, to Nippon Ferrofluidics Corporation. Variant-pole electric motor. 4,847,526, 7-11-89, Cl. 310-185.000.
- Takehara, Kimio: *See—*
  - Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; Takehara, Kimio; Matoba, Yuji; and Ishihara, Koji, 4,872,762, Cl. 374-5.000.
  - Koshihara, Toshio; Misawa, Rokurou; Sagawa, Yuzo; and Takehara, Kimio, 4,886,370, Cl. 374-5.000.
- Takehara, Sadao; Fujisawa, Toru; Arai, Yoshi; and Kurokawa, Jitsuo, to Dainippon Ink & Chemicals, Inc.; and Kawamura Institute of Chemical Res. Novel liquid crystalline compounds having substituents. 4,828,754, 5-9-89, Cl. 252-299.650.
- Takehara, Shigeru, to Motorola, Inc. Variable frequency multivibrator. 4,831,342, 5-16-89, Cl. 331-113.00R.
- Takehara, Shin: *See—*
  - Watanabe, Kenichi; Takehara, Shin; Shimoe, Hiroo; Miyoshi, Akihiko; and Kamimura, Shoich, 4,830,397, Cl. 280-707.000.
- Takehara, Shuzo: *See—*
  - Nakao, Toru; Kawakami, Minoru; Morimoto, Yasuto; Takehara, Shuzo; and Tahara, Tetsuya, 4,843,075, Cl. 514-248.000.
- Takehara, Tetsuo: *See—*
  - Oda, Noriyuki; Takehara, Tetsuo; and Enamito, Satoshi, 4,833,883, Cl. 60-311.000.
  - Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, 4,838,581, Cl. 285-47.000.
  - Oda, Noriyuki; Takehara, Tetsuo; Higashi, Katsumi; and Muramatsu, Keiji, 4,875,712, Cl. 285-47.000.
- Takehara, Toshio: *See—*
  - Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.

Takei, Akira; Nabeta, Teruyuki; Nishikawa, Tetsuo; and Nagai, Eiichi, to Fujitsu Limited. Image sensor having charge storage regions. 4,890,164, 12-26-89, Cl. 358-213.190.
Takei, Haruo: *See*—
  Hioki, Takanori; and Takei, Haruo, 4,814,265, Cl. 430-570.000.
  Okazaki, Masaki; and Takei, Haruo, 4,800,154, Cl. 430-570.000.
Takei, Hideo: *See*—
  Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, 4,860,542, Cl. 60-583.000.
Takei, Hiroko; Suzuki, Toshiyuki; Otomo, Tsuyoshi; and Tokimitsu, Ichiro, to Kao Corporation. Transparent or semitransparent jelly-like cosmetic composition. 4,868,163, 9-19-89, Cl. 514-76.000.
Takei, Hiroshi: *See*—
  Takahashi, Koichi; Okutsu, Kazuo; Ide, Yoshihiro; Takei, Hiroshi; Ishida, Yukio; and Harada, Kazumasa, 4,862,579, Cl. 04862567729-.000.
Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, to Fuji Photo Film Co., Ltd. Lens-fitted photographic film package. 4,890,130, 12-26-89, Cl. 354-288.000.
Takei, Hisashi: *See*—
  Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.
Takei, Katsumori: *See*—
  Fukushima, Hitoshi; Takei, Katsumori; Iwamoto, Kohei; and Nakamura, Hiroto, 4,884,081, Cl. 346-74.600.
Takei, Kazuo; Toda, Susumu; Nakaya, Yutaka; and Mita, Akimitsu, to Nifco Kasei Inc.; and Nifco Inc. Device for controlling operation of injection molder. 4,833,616, 5-23-89, Cl. 364-473.000.
Takei, Kiyoshi: *See*—
  Maruyama, Setsu; and Takei, Kiyoshi, 4,883,095, Cl. 139-91.000.
Takei, Masahiro; and Takayama, Tadashi, to Canon Kabushiki Kaisha. Color picture information transmission system. 4,802,003, 1-31-89, Cl. 358-133.000.
Takei, Masahiro; and Takayama, Makoto, to Canon Kabushiki Kaisha. Video image recording apparatus. 4,829,386, 5-9-89, Cl. 358-336.000.
Takei, Masahiro; Masui, Toshiyuki; Kashida, Motokazu; and Takahashi, Kouji, to Canon Kabushiki Kaisha. Information signal recording and/or reproducing apparatus. 4,858,037, 8-15-89, Cl. 360-60.000.
Takei, Masahiro; Sakata, Tsuguhide; Taguchi, Tomishige; and Kawasaki, Somei, to Canon Kabushiki Kaisha. Still picture transmitting and receiving system. 4,862,250, 8-29-89, Cl. 358-12.000.
Takei, Masahiro, to Canon Kabushiki Kaisha. Image pickup apparatus compensating an image signal for variations in color temperature. 4,879,591, 11-7-89, Cl. 358-29.00C.
Takei, Masahiro: *See*—
  Hieda, Teruo; Kyuma, Kenji; Arai, Hideyuki; and Takei, Masahiro, 4,845,568, Cl. 358-213.310.
  Kashida, Motokazu; Masui, Toshiyuki; Fukatsu, Tsutomu; Takahashi, Koji; Takei, Masahiro; and Nagasawa, Kenichi, 4,803,570, Cl. 360-61.000.
  Kashida, Motokazu; Takei, Masahiro; Takahashi, Kouji; Masui, Toshiyuki; Fukatsu, Tsutomu; and Nagasawa, Kenichi, 4,807,057, Cl. 360-32.000.
  Kawai, Hisashi; Masunaga, Makoto; Sakata, Tsuguhide; Takei, Masahiro; and Nagasawa, Kenichi, 4,851,910, Cl. 358-154.000.
  Kozuki, Susumu; Takei, Masahiro; Masui, Toshiyuki; Hirasawa, Masahide; and Kashida, Motokazu, 4,803,684, Cl. 371-31.000.
  Sakai, Shinji; and Takei, Masahiro, 4,845,566, Cl. 358-213.240.
  Sakata, Tsuguhide; Kimura, Norio; and Takei, Masahiro, 4,823,197, Cl. 358-310.000.
  Sakata, Tsuguhide; Kimura, Norio; Taguchi, Tomishige; and Takei, Masahiro, 4,847,703, Cl. 360-48.000.
  Shikakura, Akihiro; Takahashi, Koji; Takei, Masahiro; and Sasatani, Tomohiko, 4,885,637, Cl. 358-133.000.
  Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,090, Cl. 358-12.000.
  Takayama, Makoto; and Takei, Masahiro, 4,851,922, Cl. 358-451.000.
  Yamagata, Shigeo; Ogura, Tokihiko; Takei, Masahiro; and Suzuki, Yasutomo, 4,849,832, Cl. 360-66.000.
  Yamagata, Shigeo; Takei, Masahiro; Takayama, Tadashi; and Ito, Kazuhiko, 4,872,066, Cl. 358-336.000.
  Yasumura, Hiroto; Kozuki, Susumu; and Takei, Masahiro, 4,815,061, Cl. 369-48.000.
Takei, Sadakazu: *See*—
  Nagumo, Tadanobu; Takei, Sadakazu; and Tozawa, Yukio, 4,854,360, Cl. 152-529.000.
Takei, Shigekazu: *See*—
  Mashino, Keiichi; and Takei, Shigekazu, 4,831,322, Cl. 322-28.000.
Takei, Shinji: *See*—
  Nambu, Seigo; Fukazawa, Hiroyuki; and Takei, Shinji, 4,866,506, Cl. 357-72.000.
Takei, Takako: *See*—
  Hani, Kiyoshi; Takei, Takako; Kodama, Minekazu; and Watanabe, Takahiko, 4,885,058, Cl. 162-145.000.
Takei, Terutaka; Morita, Shigeru; and Kawakita, Hiroaki, to Kubota ltd. Working vehicle. 4,887,686, 12-19-89, Cl. 180-211.000.
Takei, Tetsuya; Aoike, Tatsuyuki; Kato, Minoru; and Saito, Keishi, to Canon Kabushiki Kaisha. Layered amorphous silicon photoconductor with surface layer having specific refractive index properties. 4,795,691, 1-3-89, Cl. 430-67.000.
Takei, Tetsuya, to Canon Kabushiki Kaisha. Apparatus for the formation of a functional deposited film using microwave plasma chemical vapor deposition process. 4,840,139, 6-20-89, Cl. 118-723.000.
Takei, Tetsuya; Saito, Keishi; Aoike, Tatsuyuki; and Fujioka, Yasushi, to Canon Kabushiki Kaisha. Light receiving member for use in electrophotography with a surface layer comprising non-single-crystal material containing tetrahedrally bonded boron nitride. 4,845,001, 7-4-89, Cl. 430-66.000.
Takei, Tohru: *See*—
  Eino, Teruo; and Takei, Tohru, 4,807,025, Cl. 358-98.000.
Takei, Toshihiro: *See*—
  Wakata, Hideo; Imoto, Yuzo; Takei, Toshihiro; and Hattori, Yoshiyuki, 4,796,957, Cl. 303-116.000.
  Wakata, Hideo; Takei, Toshihiro; Hattori, Yoshiyuki; Uno, Haruhiko; and Imoto, Yuzo, 4,836,618, Cl. 303-103.000.
Takei, Toshio; and Tanaka, Toshio, to Dainippon Ink and Chemicals Inc. Process for producing dimethylaminomethyl copper phthalocyanine and/or its derivatives. 4,810,297, 3-7-89, Cl. 106-186.000.
Takei, Toshio; and Tanaka, Toshio, to Dainippon Ink and Chemicals Inc. Process for producing dimethylaminomethyl copper phthalocyanine and/or its derivatives. 4,888,422, 12-19-89, Cl. 540-135.000.
Takei, Toshitaka; and Funatsu, Tsunemasa, to Daikin Industries Ltd. Resist developing apparatus. 4,827,867, 5-9-89, Cl. 118-64.000.
Takei, Yasuharu: *See*—
  Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shu and Takei, Yasuharu, 4,874,787, Cl. 514-531.125.
Takei, Yoshiaki; Kijima, Eiichi; Goto, Satoshi; and Nomori, Hiroyuki, to Konishiroku Photo Industry Co., Ltd. Photoreceptor having photosensitive layer comprising a brominated anthanthrone of specified X-ray spectrum. 4,835,080, 5-30-89, Cl. 430-58.000.
Takei, Yoshiaki: *See*—
  Tamaki, Kiyoshi; Kudoh, Koichi; Etoh, Yoshihiko; and Takei, Yoshiaki, 4,888,262, Cl. 430-58.000.
Takeichi, Hidenobu: *See*—
  Iwai, Teruyuki; Takashige, Masao; Takeichi, Hidenobu; Taka[illegible] Yasuo; and Sasaki, Yoshinori, 4,869,863, Cl. 264-564.000.
Takeichi, Hideo: *See*—
  Tanuma, Itsuo; Takeichi, Hideo; Segawa, Masashi; and Honda, Toshio, 4,865,918, Cl. 428-409.000.
Takeichi, Michifumi: *See*—
  Tani, Hisashi; Terada, Katsuyuki; and Takeichi, Michifumi, 4,825,774, Cl. 105-141.000.
Takeishi, Akira: *See*—
  Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Saito, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tomikatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
Takeishi, Shinzo: *See*—
  Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, 4,888,672, Cl. 363-49.000.
Takekado, Shigeru; and Shima, Yasuo, to Kabushiki Kaisha Toshiba. Linear actuator for a memory storage apparatus. 4,864,447, 9-5-89, Cl. 360-106.000.
Takekado, Shigeru, to Kabushiki Kaisha Toshiba. Magnetic disc device with gimbal spring having variable elastic characteristics. [illegible], 10-24-89, Cl. 360-104.000.
Takekado, Shigeru: *See*—
  Ohashi, Hiroshi; Fujioka, Toshiyuki; Kusunoki, Masahiro; Kasai, Susumu; and Takekado, Shigeru, 4,811,143, Cl. 360-105.000.
Takekawa Iron Works: *See*—
  Suzuki, Yoshimitu; and Inagaki, Masahiro, [illegible], Cl. 83-853.000.
Takekawa, Ryoichi: *See*—
  Hayashi, Tamotsu; Takekawa, Ryoichi; and Watanabe, Hiro[illegible], 4,814,038, Cl. 156-471.000.
Takekoshi, Makoto; Inagaki, Masahisa; and Tokunaga, Haruhiko, to Fujitsu Limited. Driving mechanism for a printer head. [illegible], 5-30-89, Cl. 400-320.000.
Takekoshi, Susumu: *See*—
  Fujii, Katsuhiko; Sato, Shiro; Miyanaga, Yasuhiro; Asami, [illegible] Takekoshi, Susumu; and Kasai, Yasuo, 4,856,849, Cl. [illegible]
Takekoshi, Tohru; Anderson, Patricia P.; and Evans, Thomas L., to General Electric Company. Method for making organothioethers, and products obtained therefrom. [illegible], 2-28-89, Cl. 528-353.000.
Takekoshi, Tohru: *See*—
  Anderson, Patricia P.; Sivavec, Timothy M.; and Takekoshi, Tohru, 4,873,367, Cl. 562-425.000.
Takekoshi, Tomoaki; Ohba, Hisao; and Kunichika, Kenji, to Fuji Photo Film Co., Ltd. Developing device for photosensitive [illegible] 4,841,320, 6-20-89, Cl. 354-299.000.
Takekoshi, Tomoaki: *See*—
  Ohba, Hisao; Takekoshi, Tomoaki; and Kunichika, Kenji, 4,882,246, Cl. 430-30.000.
Takekoshi, Toshio: *See*—
  Nomura, Kunihiro; Machida, Tetsuo; Yamada, Kazumi; and Takekoshi, Toshio, 4,866,520, Cl. 358-140.000.
Takekoshi, Yoshitaka: *See*—
  Kobari, Katsuo; Takekoshi, Yoshitaka; and Taniguchi, Mas[illegible] 4,882,529, Cl. 318-602.000.
Takemae, Shigeru; and Kodama, Mitsuhiro, to Mitsubishi Rayon Company Ltd. Method and apparatus for producing slub yarn. [illegible], 6-13-89, Cl. 28-254.000.
Takemae, Yoshihiro, to Fujitsu Limited. Semiconductor memory device comprising different type memory cells. 4,799,196, [illegible], Cl. 365-190.000.

Takemae, Yoshihiro, to Fujitsu Limited. Semiconductor memory device having redundancy circuit portion. 4,803,656, 2-7-89, Cl. 365-200.000.
Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, to Fujitsu Limited. Semiconductor memory device with a detection circuit to detect word line potential. 4,807,193, 2-21-89, Cl. 365-205.000.
Takemae, Yoshihiro, to Fujitsu Limited. Pseudo-static memory device having internal self-refresh circuit. 4,809,233, 2-28-89, Cl. 365-222.000.
Takemae, Yoshihiro; and Horii, Takashi, to Fujitsu Limited. Simultaneous dual access semiconductor memory device. 4,819,209, 4-4-89, Cl. 365-230.000.
Takemae, Yoshihiro, to Fujitsu Limited. Semiconductor memory device with internal array transfer capability. 4,879,685, 11-7-89, Cl. 365-189.110.
Takemasa, Masami: *See*—
  Takahashi, Tadahiro; Ooi, Shinichi; and Takemasa, Masami, 4,871,311, Cl. 165-16.000.
Takematsu, Takaharu: *See*—
  Yamashita, Tohru; and Takematsu, Takaharu, 4,878,137, Cl. 360-98.050.
Takematsu, Takeo: *See*—
  Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.
Takematsu, Tetsuo; Kato, Shozo; Ishizaki, Masahiko; and Suyama, Toshihisa, to Tokuyama Soda Kabushiki Kaisha. N-substituted chloroacetanilides processes for production thereof, and herbicidal composition comprising the same. 4,802,907, 2-7-89, Cl. 71-90.000.
Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, [illegible]; and Kajiwara, Ikuo, to Kumiai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. Trifluoromethanesulfonanilide compounds and herbicidal compositions containing them. 4,824,477, 4-25-89, Cl. 71-103.000.
Takematsu, Tetsuo; Nonaka, Yuji; Nakanishi, Akira; and Morinaka, Hideo, to Tosoh Corporation. Fungicidal methods containing N-pyridylcarbamates. 4,826,859, 5-2-89, Cl. 514-349.000.
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Takemiya, Satoshi: *See*—
  Morimoto, Takeshi; Endoh, Eiji; and Takemiya, Satoshi, 4,858,078, Cl. 361-527.000.
Takemori, Satoshi: *See*—
  Oohashi, Tuneyoshi; Takemori, Satoshi; Kichikawa, Toshimichi; Kuwabara, Kouji; and Sugawara, Hiroyuki, 4,818,892, Cl. 307-106.000.
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  Omura, Etsuji; Goto, Katsuhiko; Takahashi, Shogo; Namba, Harumi; and Takemoto, Akira, 4,888,781, Cl. 372-46.000.
Takemoto, Fumio; Kunishige, Tuneo; and Ochi, Mitsutoshi, to Mitsubishi Rayon Co., Ltd. Acrylic fiber having Y-type section and process for producing the same. 4,812,361, 3-14-89, Cl. 428-397.000.
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  Nagano, Eiki; Takemoto, Ichiki; Fukushima, Masayuki; Yoshida, Ryo; and Matsumoto, Hiroshi, 4,835,286, Cl. 548-369.000.
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  Izawa, Tetsurou; Miyazawa, Toshio; Nishizawa, Shigeki; Takemoto, Iwao; and Yasuda, Kouzou, 4,870,493, Cl. 358-213.190.
  Nishizawa, Shigeki; Takemoto, Iwao; Miyazawa, Toshio; and Izawa, Tetsurou, 4,841,369, Cl. 358-213.260.
Takemoto, Katsuo: *See*—
  Tanaka, Koji; Takemoto, Katsuo; and Sakai, Yasushi, 4,857,617, Cl. 526-237.000.
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  Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshi, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.
Takemoto, Sadatoshi: *See*—
  Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Harada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
Takemoto, Shigeru: *See*—
  Arai, Tetsuyuki; Takemoto, Shigeru; and Fujimori, Yoshihiko, 4,870,693, Cl. 382-8.000.
Takemoto, Shizume: *See*—
  Mori, Kenji; Morita, Kazuyoshi; Takemoto, Shizume; Nagasawa, Hisanao; Ohtani, Yasuhisa; Matsui, Masashi; and Arai, Soiichi, 4,826,818, Cl. 514-21.000.
Takemoto, Tadashi: *See*—
  Hijiya, Toyoto; Takemoto, Tadashi; and Yukawa, Toshihide, 4,803,300, Cl. 562-450.000.
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Takemoto, Tetsuo: *See*—
  Nakazawa, Norio; Matsura, Yoshimasa; Takemoto, Tetsuo; and Kohketsu, Susumu, 4,794,758, Cl. 60-602.000.
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  Nagasaki, Hideo; and Takemoto, Yasuzi, 4,803,250, Cl. 525-329.300.
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  Minami, Hiroshi, 4,880,881, Cl. 525-438.000.
  Saiki, Masatsugu; Imai, Yoshio; and Takagi, Makoto, 4,822,529, Cl. 260-403.000.
Takemura, Fumio: *See*—
  Nakada, Toshio; Takemura, Fumio; and Ishiwata, Masao, 4,888,215, Cl. 427-215.000.
Takemura, Hideo: *See*—
  Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.
Takemura, Hitoshi: *See*—
  Kawamura, Takao; Miyamoto, Naooki; Ito, Hiroshi; Takemura, Hitoshi; Ohkawa, Kazumasa; and Ishibitsu, Kokichi, 4,882,252, Cl. 430-58.000.
Takemura, Kazunari: *See*—
  Ohtani, Shoji; Sato, Yukiya; Takemura, Kazunari; and Tsushima, Rikio, 4,868,086, Cl. 430-137.000.
Takemura, Makoto: *See*—
  Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,848,6[illegible], Cl. 222-564.000.
  Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, 4,857,943, Cl. 346-136.000.
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Takemura, Motoi: *See*—
  Koga, Hidetaka; Kurosawa, Ikuo; Yamazaki, Atsushi; Takahashi, Kouji; Naoe, Fumihiro; Takemura, Motoi; and Kurotaki, Naoyuki, 4,862,769, Cl. 74-710.500.
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Takemura, Naoto: *See*—
  Sagae, Kyuta; Takemura, Naoto; Sugiyama, Yoshiaki; and Tanabe, Susumu, 4,832,688, Cl. 604-53.000.
Takemura, Satoshi: *See*—
  Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamaru, Hisashi, 4,802,164, Cl. 371-16.000.
Takemura, Shigekazu, to Sharp Kabushiki Kaisha. Connector for foldable electronic apparatus. 4,842,531, 6-27-89, Cl. 439-165.000.
Takemura, Tadashi: *See*—
  Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, 4,867,858, Cl. 204-290.00R.
Takemura, Tohru; Itoh, Hajime; Kamo, Jun; and Yoshida, Haruhiko, to Mitsubishi Rayon Co., Ltd. Method of making multilayer composite hollow fibers. 4,802,942, 2-7-89, Cl. 156-244.130.
Takemura, Yasuhiko; Zen, Shinichiro; Zama, Yoshiaki; and Enyo, Hiroji, to Japan Synthetic Rubber Co., Ltd. Novel vulcanizable rubber compositions and applications thereof. 4,822,654, 4-18-89, Cl. 428-36.800.
Takemura, Yasuhiko: *See*—
  Mori, Yoji; Kawamura, Yoshiaki; Matsumoto, Hironori; and Takemura, Yasuhiko, 4,849,478, Cl. 525-211.000.
Takemura, Yasuo, to Kabushiki Kaisha Toshiba. Solid-state imaging device having high-speed shutter function and method of realizing high-speed function in solid-state imaging device. 4,831,453, 5-16-89, Cl. 358-213.190.
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  Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, 4,886,246, Cl. 266-157.000.

- **Takenaga, Hideo**, to Olympus Optical Co., Ltd. Dictation display for displaying present position and cue mark position information. 4,812,940, 3-14-89, Cl. 360-137.000.
- **Takenaga, Hideyuki:** *See—*
  - Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, 4,857,543, Cl. 314-444.000.
- **Takenaka, Akira:** *See—*
  - Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,822,059, Cl. 277-152.000.
  - Shimasaki, Keiichi; Kanayama, Hiroshi; Kanemitsu, Hiroshi; Shibata, Makoto; Asahi, Satoshi; and Takenaka, Akira, 4,834,397, Cl. 277-152.000.
- **Takenaka, Fumio**; Tohya, Kouzi; and Ohtsuka, Yoshihiro, to Daicel Chemical Industries Ltd. Photopolymerizable compositions. 4,885,229, 12-5-89, Cl. 430-285.000.
- **Takenaka, Hirokazu:** *See—*
  - Ishikawa, Kiyoe; Kokubo, Kakuro; Kurokawa, Hitoshi; Hosogai, Daijiro; and Takenaka, Hirokazu, 4,799,622, Cl. 239-102.200.
  - Kurokawa, Hitoshi; Nakayama, Kouji; and Takenaka, Hirokazu, 4,844,343, Cl. 239-102.200.
- **Takenaka, Hiroo**, to NEC Corporation. Apparatus for controlling light output of a pulse-excited laser oscillator. 4,856,012, 8-8-89, Cl. 372-38.000.
- **Takenaka, Hiroo:** *See—*
  - Sato, Katsuji; Takenaka, Hiroo; and Kiriyama, Katsumi, 4,829,530, Cl. 372-9.000.
- **Takenaka, Hiroyuki:** *See—*
  - Kurisu, Shingo; Omori, Shunji; Takenaka, Hiroyuki; Egawa, Tsuneo; Mitsunaga, Takuro; and Kiyama, Nobuo, 4,799,836, Cl. 409-138.000.
- **Takenaka, Kenji:** *See—*
  - Suzuki, Shinichi; Hasegawa, Jun; and Takenaka, Kenji, 4,821,527, Cl. 62-209.000.
- **Takenaka Komuten Co., Ltd.:** *See—*
  - Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
  - Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.
- **Takenaka, Kyoji:** *See—*
  - Iwata, Seiichi; and Takenaka, Kyoji, 4,805,718, Cl. 180-233.000.
- **Takenaka, Makoto:** *See—*
  - Okuda, Hiroko; and Takenaka, Makoto, 4,875,400, Cl. 84-526.000.
- **Takenaka, Masamitsu:** *See—*
  - Wada, Tatsuo; Miki, Toshiro; and Takenaka, Masamitsu, 4,889,584, Cl. 156-630.000.
- **Takenaka, Mitsuhiko**; and Higashiji, Mitsuo, to Kabushiki Kaisha Daikin Seisakusho. Cooling mechanism of a clutch cover assembly. 4,886,153, 12-12-89, Cl. 192-113.00A.
- **Takenaka, Noriaki:** *See—*
  - Sasaki, Takinori; and Takenaka, Noriaki, 4,795,379, Cl. 439-856.000.
  - Sasaki, Takinori; Takenaka, Noriaki; Kawaguchi, Akira; and Tayama, Yukiharu, 4,838,807, Cl. 439-347.000.
- **Takenaka, Osamu:** *See—*
  - Narita, Ryoichi; Sonobe, Toshio; Ito, Hitoshi; Ishikawa, Junji; Takenaka, Osamu; and Sugiura, Junji, 4,812,897, Cl. 357-72.000.
- **Takenaka, Sadao**; Aono, Yoshihito; Iwamatsu, Takanori; Minowa, Morihiko; Daido, Yoshimasa; and Nakamura, Hiroshi, to Fujitsu Limited. Multilevel amplitude modulation and demodulation communication system. 4,860,316, 8-22-89, Cl. 375-39.000.
- **Takenaka, Sadao:** *See—*
  - Sakane, Toshiaki; Takenaka, Sadao; Minowa, Morihiko; Aono, Yoshihito; and Daidoh, Yoshimasa, 4,809,298, Cl. 375-17.000.
- **Takenaka, Sae:** *See—*
  - Mori, Masaharu; and Takenaka, Sae, 4,821,033, Cl. 340-825.790.
- **Takenaka, Senji:** *See—*
  - Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, 4,855,124, Cl. 423-574.00L.
- **Takenaka, Shigeo**; Itou, Takeo; and Matsuda, Hidemi, to Kabushiki Kaisha Toshiba. Cathode ray tube with light reflection film. 4,831,307, 5-16-89, Cl. 313-478.000.
- **Takenaka, Shinji:** *See—*
  - Itoh, Hiroyuki; Kono, Yoshitsugu; Ajioka, Masanobu; Takenaka, Shinji; and Kataita, Masafumi, 4,803,065, Cl. 423-502.000.
- **Takenaka, Takaji**; Watanabe, Hideki; and Kobayashi, Fumiyuki, to Hitachi, Ltd. Method and apparatus for airtightly packaging semiconductor package. 4,836,434, 6-6-89, Cl. 228-179.000.
- **Takenaka, Toichi:** *See—*
  - Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, 4,868,216, Cl. 514-603.000.
  - Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.
- **Takenaka, Tsutomu**, to Kabushiki Kaisha Toshiba. Microprocessor system. 4,860,198, 8-22-89, Cl. 364-200.000.
- **Takenawa, Seishi**; Shiomi, Toshinori; and Yamochi, Motoko, to Fujisawa Pharmaceutical Co., Ltd. New soya flakes and a process for preparation thereof. 4,830,871, 5-16-89, Cl. 426-634.000.
- **Takenawa, Seishi**; Ueda, Mikio; and Takeda, Hideki, to Fujisawa Pharmaceutical Co., Ltd. Yoghurt like food, and yoghurt like foods manufactured with use of a coagulant. 4,842,873, 6-27-89, Cl. 426-49.000.
- **Takenishi, Shinsuke:** *See—*
  - Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.
- **Takeno, Hidekazu:** *See—*
  - Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
- **Takeno, Kazuma:** *See—*
  - Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,857,443, Cl. 430-496.000.
  - Aono, Toshiaki; Shibata, Takeshi; and Takeno, Kazuma, 4,868,084, Cl. 430-203.000.
- **Takeno, Kazuta:** *See—*
  - Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, 4,849,312, Cl. 429-217.000.
- **Takeno, Kenji:** *See—*
  - Umenashi, Syozo; Yamamoto, Isao; and Takeno, Kenji, 4,866,682, Cl. 367-153.000.
- **Takeno, Shozo**; Kakegawa, Masayuki; and Adachi, Yoshimasa, to Kabushiki Kaisha Toshiba. Liquid crystal apparatus having an anisotropic conductive layer between the lead electrodes of the liquid crystal device and the circuit board. 4,832,455, 5-23-89, Cl. 350-334.000.
- **Takeno, Tsutomu:** *See—*
  - Takamizawa, Minoru; Takeda, Yoshihumi; Hayashida, Akira; and Takeno, Tsutomu, 4,847,345, Cl. 528-35.000.
- **Takenouchi, Hiroaki:** *See—*
  - Ariyama, Kenzo; Mochizuki, Manabu; Kunotori, Tsuneo; Kojima, Kenji; Jinbo, Masato; Takenouchi, Hiroaki; and Kobayashi, Yuichi, 4,800,839, Cl. 118-6[illegible].000.
- **Takenouchi, Kenji**; Ikeda, Tomohiro; and Tozuka, Mitsuhiko, to Yazaki Corporation. Fuse. 4,800,358, 1-24-89, Cl. 337-268.000.
- **Takenouchi, Mariko:** *See—*
  - Fujiwara, Akie; Takenouchi, Mariko; and Shimizu, Masahiro, 4,813,078, Cl. 382-21.000.
- **Takenouchi, Masanori:** *See—*
  - Hayakawa, Naoji; Takenouchi, Masanori; Nakamura, Kenji; Kai, Fumitaka; Kozato, Yasuo; and Hakamada, Isao, 4,858,062, Cl. 361-225.000.
- **Takenouchi, Tooru:** *See—*
  - Murakami, Hajime; Takenouchi, Tooru; and Ikeura, Hiroshi, 4,811,057, Cl. 355-71.000.
- **Takenouchi, Toshikazu:** *See—*
  - Miyagawa, Fumio; Sakai, Hiroyuki; and Takenouchi, Toshikazu, 4,890,155, Cl. 357-74.000.
- **Takenouchi, Touru**; and Miyawaki, Hiroshi, to Noritsu Kenkyu Center Co., Ltd. Apparatus for transporting a strip of photographic printing paper in a printer. 4,863,085, 9-5-89, Cl. 226-92.000.
- **Takeo, Hideki:** *See—*
  - Tanaka, Hiroaki; Inuzuka, Yutaka; and Takeo, Hideki, 4,813,57, Cl. 180-88.000.
- **Takeo, Hideya**, to Fuji Photo Film Co., Ltd. Method of determining orientation of image. 4,870,694, 9-26-89, Cl. 382-18.000.
- **Takeo, Hiroshi**; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, to Fujitsu Limited; and Nippon Telegraph and Telephone Corporation. Digital signal transmission system having frame synchronization operation. 4,849,9, 7-18-89, Cl. 375-116.000.
- **Takeoda, Seisei:** *See—*
  - Saito, Masatsugu; Ikeda, Chikamasa; and Takeoda, Seisei, 4,808,897, Cl. 318-568.000.
- **Takeoka, Seiei:** *See—*
  - Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,836,323, Cl. 180-270.000.
  - Kataoka, Sachiro; Iizima, Yoichi; Kuwahara, Masaji; Takeoka, Seiei; and Katsutani, Kazuzi, 4,844,507, Cl. 280-802.000.
- **Takeoka, Yoshikatsu**; Yasuda, Nobuaki; Hori, Akio; and Ozawa, Ken, to Tokyo Shibaura Denki Kabushiki Kaisha. Radiation sensitive carrier body utilized as stamper structure. 4,845,000, 7-4-89, Cl. 430-14.000.
- **Takeoka, Yoshiki:** *See—*
  - Noguchi, Takehiko; Takeoka, Yoshiki; and Yamamoto, Tsuneo, 4,832,772, Cl. 156-153.000.
- **Takesako, Sumiyoshi**, to Tokyo Shibaura Denki Kabushiki Kaisha. Apparatus for sorting sheets. 4,830,742, 5-16-89, Cl. 209-534.000.
- **Takeshima, Akira:** *See—*
  - Mizushima, Yoshihiko; Tsuchiya, Yutaka; Koshi, Masafumi; and Takeshima, Akira, 4,827,317, Cl. 156-73.100.
- **Takeshima, Hideki:** *See—*
  - Fujioka, Toyohiko; and Takeshima, Hideki, 4,875,280, Cl. 29-783.000.
- **Takeshima, Kenji:** *See—*
  - Sawada, Nobuyoshi; and Takeshima, Kenji, 4,820,077, Cl. 403-402.000.
  - Sawada, Nobuyoshi; and Takeshima, Kenji, 4,825,535, Cl. 29-525.100.
- **Takeshima, Shigeru:** *See—*
  - Tski, Osamu; and Takeshima, Shigeru, 4,886,400, Cl. 405-37
- **Takeshima, Shinichi**, to Toyota Jidosha Kabushiki Kaisha. System for purifying exhaust gas from a diesel engine. 4,831,821, 5-23-89, Cl. 60-286.000.
- **Takeshita, Akihiko:** *See—*
  - [illegible], Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
- **Takeshita, Akira:** *See—*
  - Kayane, Yutaka; Sawamoto, Hirokazu; Omura, Takashi; Harada, Naoki; and Takeshita, Akira, 4,843,149, Cl. 534-632.000.
- **Takeshita, Fusayuki:** *See—*
  - Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,826,621, Cl. 252-299.610.
  - Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, 4,882,083, Cl. 252-299.610.
  - Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, 4,882,086, Cl. 252-299.610.
- **Takeshita, Hajime**; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kurowa, Yosio, to Toyota Jidosha Kabushiki Kaisha. Method of broaching outer periphery of lobe-type rotor of roots-type fluid machine, and broaching cutter used in the method. 4,869,623, 9-26-89, Cl. 407-14.000.
- **Takeshita, Hiroshi:** *See—*
  - Hosoi, Masaaki; Nishioka, Ryo; Hioki, Yoshio; Iida, Yoshiaki; Takeshita, Hiroshi; Niiyama, Kenji; and Hidaka, Yusuke, 4,839,353, Cl. 514-212.000.
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
- **Takeshita, Kazuyuki:** *See—*
  - Eto, Yoshizumi; Takeshita, Kazuyuki; Kanada, Hidehiro; and Umemoto, Masuo, 4,802,192, Cl. 375-116.000.
- **Takeshita, Keiji**; Hamano, Hideo; and Ida, Shuichiro, to Toyota Jidosha Kabushiki Kaisha. Manually operated change-speed mechanism in power transfer device. 4,838,121, 6-13-89, Cl. 74-785.000.
- **Takeshita, Kouji:** *See—*
  - Fukuoka, Hirotsugu; Kawakami, Kanji; Aihara, Makoto; Suda, Mitsuo; Takeshita, Kouji; and Isono, Yukihiro, 4,861,398, Cl. 156-64.000.
- **Takeshita, Masatoshi:** *See—*
  - Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.
- **Takeshita, Michitaka**; Mukai, Uchu; and Sugawara, Toshio, to Bridgestone Corporation. Rubber composition for tires. 4,820,751, 4-11-89, Cl. 523-215.000.
- **Takeshita, Shuji:** *See—*
  - Ikeda, Hiroshi; and Takeshita, Shuji, 4,851,903, Cl. 358-101.000.
- **Takesue, Masatoshi:** *See—*
  - Kaneko, Yasuhiro; Masuzawa, Tokihiko; Takesue, Masatoshi; and Mori, Mitsuo, 4,815,807, Cl. 350-96.180.
- **Takesue, Shuji:** *See—*
  - Murayama, Toshikazu; Hayakawa, Satoru; Takesue, Shuji; and Yokomori, Yorozu, 4,851,027, Cl. 71-64.070.
- **Takesue, Toshiharu:** *See—*
  - Yamamoto, Hiroyoshi; Takesue, Toshiharu; and Kawawada, Naoki, 4,884,859, Cl. 350-96.150.
- **Takesue, Toshihiro**; Murahashi, Takashi; and Nakazawa, Toshihiko, to Konishiroku Photo Industry Co., Ltd. Semiconductor laser device with light emission inhibiting means. 4,837,787, 6-6-89, Cl. 372-29.000.
- **Takesue, Yatao:** *See—*
  - Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamaru, Hisashi, 4,802,164, Cl. 371-16.000.
- **Taketani, Akio**, to Kabushiki Kaisha Daikin Seisakusho. Clutch cover assembly. 4,844,226, 7-4-89, Cl. 192-111.00A.
- **Taketani, Noriaki**; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, to Hitachi, Ltd.; and Hitachi Cable, Ltd. Method of molding a resinous optical transmitting element. 4,873,030, 10-10-89, Cl. 264-1.500.
- **Taketani, Noriaki:** *See—*
  - Abe, Tomiya; Shimazaki, Yukio; Ishibashi, Takanobu; Abe, Norimoto; Asai, Takayasu; and Taketani, Noriaki, 4,883,338, Cl. 350-96.340.
  - Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.
- **Taketani, Takao:** *See—*
  - Yabe, Akira; and Taketani, Takao, 4,818,184, Cl. 417-48.000.
- **Taketomi, Seiki:** *See—*
  - Umehara, Teruo; Daicho, Hiroyuki; and Taketomi, Seiki, 4,888,506, Cl. 310-13.000.
- **Taketomi, Susamu.** Optical apparatus using anomalously strong magneto-birefringence of magnetic fluid. 4,812,767, 3-14-89, Cl. 324-244.000.
- **Taketomo, Amy G.:** *See—*
  - Stolowitz, Mark L.; and Taketomo, Amy G., 4,837,348, Cl. 356-9.000.
- **Taketoshi, Kazuhisa:** *See—*
  - Tanaka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.
- **Takeuchi, Akihiko**; and Tomoyuki, Yoji, to Canon Kabushiki Kaisha. Image processing apparatus using conversion means. 4,873,428, 10-10-89, Cl. 250-214.0DC.
- **Takeuchi, Akihiko:** *See—*
  - Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Ichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.
- **Takeuchi, Akihiro**; Kobayashi, Masaaki; Yamanishi, Kazuhiro; and Ochi, Atsuo, to Matsushita Electric Industrial Co., Ltd. Video signal recording/reproducing apparatus. 4,807,050, 2-21-89, Cl. 358-328.000.
- **Takeuchi, Akihiro**, to Sumitomo Rubber Industries, Ltd. Tread pattern for a heavy load pneumatic tire which changes from a block pattern to a rib pattern with wear. 4,854,358, 8-8-89, Cl. 152-209.00R.
- **Takeuchi, Akihiro:** *See—*
  - Honjo, Masahiro; Takeuchi, Akihiro; Ochi, Atsuo; Aki, Shinichi; Nakagawa, Yukio; and Kobayashi, Masaaki, 4,812,783, Cl. 331-20.000.
  - Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomi, 4,811,119, Cl. 358-328.000.
  - Kobayashi, Masaaki; Yamanishi, Kazuhiro; Takeuchi, Akihiro; and Nagaoka, Yoshitomi, 4,873,583, Cl. 358-310.000.
  - Morioka, Yoshihiro; Kobayashi, Masaaki; Takeuchi, Akihiro; Nagaoka, Yoshitomi; Gentsu, Noriaki; and Nagasaki, Sakon, 4,864,421, Cl. 358-310.000.
  - Ochi, Atsuo; Kobayashi, Masaaki; Takeuchi, Akihiro; and Yamanishi, Kazuhiro, 4,864,424, Cl. 358-328.000.
- **Takeuchi, Akira:** *See—*
  - Ogawa, Yoshitake; Takeuchi, Akira; and Mizutani, Hisataka, 4,823,713, Cl. 112-217.000.
  - Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,878,176, Cl. 364-468.000.
  - Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,882,580, Cl. 340-825.510.
- **Takeuchi, Atsushi**, to Fujitsu Limited. Time delay circuit for a semiconductor device. 4,800,304, 1-24-89, Cl. 307-602.000.
- **Takeuchi, Atsushi**, to Fujitsu Limited. Semiconductor memory device with redundant memory cell. 4,862,416, 8-29-89, Cl. 371-10.000.
- **Takeuchi, Atsushi:** *See—*
  - Kawashima, Hiromi; and Takeuchi, Atsushi, 4,812,680, Cl. 307-350.000.
- **Takeuchi, Eiichi**; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, to Nippon Steel Corporation. Continuous casting process for composite metal material. 4,828,015, 5-9-89, Cl. 164-461.000.
- **Takeuchi, Eiichi:** *See—*
  - Kamada, Mamoru; Nagase, Fumiaki; Takeuchi, Eiichi; Nakano, Toshihiko; and Makimoto, Shoichi, 4,848,931, Cl. 383-104.000.
  - Nakano, Toshihiko; Nagase, Fumiaki; Takeuchi, Eiichi; Kamada, Mamoru; and Shigematsu, Hideyo, 4,868,033, Cl. 428-201.000.
- **Takeuchi, Eiji**; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, to Canon Kabushiki Kaisha. Method for forming deposited film. 4,842,897, 6-27-89, Cl. 427-255.200.
- **Takeuchi, Eizo**; Miyoshi, Hisamitsu; and Mori, Keiichiro, to Nippon Steel Corp. Method for working the ends of steel pipe by upsetting and pressing. 4,845,972, 7-11-89, Cl. 72-370.000.
- **Takeuchi, Ester S.:** *See—*
  - Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., 4,830,940, Cl. 429-194.000.
- **Takeuchi, Fumio**, to Citizen Watch Co., Ltd. Strap buckle structure. 4,858,283, 8-22-89, Cl. 24-178.000.
- **Takeuchi, Guchi**; Sato, Masanobu; and Miyairi, Hidesuke, to Sony Corporation. Magnetic erasing head. 4,805,058, 2-14-89, Cl. 360-119.000.
- **Takeuchi, Hajime**; and Tachi, Katsuichi, to Sony Corporation. System for precisely editing audio signals on a videotape. 4,819,087, 4-4-89, Cl. 360-14.300.
- **Takeuchi, Hajime:** *See—*
  - Ito, Takeo; Takeuchi, Hajime; Hashimoto, Minoru; Fukaya, Toshio; and Koishi, Masumi, 4,880,666, Cl. 427-128.000.
- **Takeuchi, Hidemaro**; Matsumura, Shogo; Tsuboi, Harumi; and Yamamiya, Masao, to Nippon Steel Corporation. Method of continuously casting lead-bearing steel. 4,830,090, 5-16-89, Cl. 164-488.000.
- **Takeuchi, Hidemitsu:** *See—*
  - Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, 4,805,074, Cl. 361-525.000.
- **Takeuchi, Hideo:** *See—*
  - Maeda, Masato; and Takeuchi, Hideo, 4,860,574, Cl. 73-27.00A.
  - Tanaka, Motoaki; Miyagawa, Tsutomu; and Takeuchi, Hideo, 4,826,959, Cl. 534-838.000.
- **Takeuchi, Hikaru**; Yoshida, Masato; and Nemoto, Shiro, to Toppan Printing Co., Ltd. Thermal transfer ink sheet. 4,865,913, 9-12-89, Cl. 428-321.300.
- **Takeuchi, Hiroaki**; Noguchi, Noboru; and Nakanishi, Nobuyasu, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Actuator for wheel anti-lock system. 4,865,398, 9-12-89, Cl. 303-115.000.

- Takeuchi, Hiroaki: *See—*
  - Adachi, Yoshiharu; Nishimura, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.
  - Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-117.000.
  - Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,846,535, Cl. 303-117.000.
- Takeuchi, Hirokazu: *See—*
  - Suzuki, Shigeru; Nomura, Etsuzo; and Takeuchi, Hirokazu, 4,867,087, Cl. 112-314.000.
- Takeuchi, Hiromi: *See—*
  - Kasai, Kiyoshi; Hattori, Masayuki; Takeuchi, Hiromi; and Sakurai, Nobuo, 4,798,691, Cl. 264-47.000.
- Takeuchi, Hirosato; and Mikiya, Toshio, to Nitto Kohki Co., Ltd. Outer glass pipes for solar heat collector pipes 4,827,905, 5-9-89, Cl. 126-443.000.
- Takeuchi, Hirosato; Takanaka, Akira; Nishikiori, Masanori; Nozawa, Nobuyuki; and Sato, Toshio, to Nitto Kohki Co., Ltd.; and Key Coffee Co., Ltd. Dispenser. 4,829,889, 5-16-89, Cl. 99-289.00P.
- Takeuchi, Hirosato; Miyazaki, Osahiko; Kazama, Yasuo; and Kurihara, Naoya, to Nitto Kohki Co., Ltd. Pallet changer. 4,832,170, 5-23-89, Cl. 198-346.100.
- Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, to Mitsubishi Denki Kabushiki Kaisha. Gas insulated switchgear disconnector arrangement. 4,821,140, 4-11-89, Cl. 361-341.000.
- Takeuchi, Hiroshi, to Shinkoh Sellbic Co., Ltd. Resin molding die. 4,824,358, 4-25-89, Cl. 425-436.00R.
- Takeuchi, Hiroshi; Torimi, Kiyokazu; and Takatsuka, Keizo, to Mitsubishi Denki Kabushiki Kaisha. Gas insulated switchgear. 4,837,662, 6-6-89, Cl. 361-335.000.
- Takeuchi, Hiroshi, to Kabushiki Kaisha Daikin Seisakusho. Clutch cover assembly. 4,846,330, 7-11-89, Cl. 192-113.00A.
- Takeuchi, Hiroshi; Kohga, Daiju; and Yukita, Yasuo, to Sony Corporation. Pen printer. 4,856,919, 8-15-89, Cl. 400-18.000.
- Takeuchi, Hiroshi; and Takeuchi, Yoshiaki, to Shinkoh Sellbic Co., Ltd. Cassette-type molding die. 4,861,254, 8-29-89, Cl. 425-190.000.
- Takeuchi, Hiroshi, to Kabushiki Kaisha Daikin Seisakusho. Cooling mechanism of pull-type clutch. 4,865,174, 9-12-89, Cl. 192-70.120.
- Takeuchi, Hiroshi: *See—*
  - Kushida, Keiko; Takeuchi, Hiroshi; Kobayashi, Toshio; Takagi, Kazumasa; and Susa, Kenzo, 4,803,392, Cl. 310-311.000.
  - Nakaya, Chitose; Takeuchi, Hiroshi; and Katakura, Kageyoshi, 4,801,835, Cl. 310-358.000.
  - Torimi, Kiyokazu; Takeuchi, Hiroshi; and Takatsuka, Keizo, 4,821,141, Cl. 361-341.000.
- Takeuchi, Hiroyasu: *See—*
  - Tagai, Hideo; Kobayashi, Masahiro; Niwa, Shigeo; Takeuchi, Hiroyasu; and Ono, Mikiya, 4,820,573, Cl. 428-228.000.
- Takeuchi, Hiroyuki; and Kishino, Hidenori, to Hitachi Medical Corp. Nuclear magnetic resonance imaging method and apparatus for realizing same. 4,804,919, 2-14-89, Cl. 324-309.000.
- Takeuchi, Hiroyuki: *See—*
  - Serita, Tamio; and Takeuchi, Hiroyuki, 4,873,039, Cl. 264-65.000.
- Takeuchi, Hisaharu; and Itami, Teruo, to Kabushiki Kaisha Toshiba. Slow reproducing apparatus for VTR or VCR using image memory. 4,796,123, 1-3-89, Cl. 360-10.100.
- Takeuchi, Hisaharu; Takamatsu, Hisashi; Nakayama, Masahiro; Shiroyanagi, Yoshiro; and Kurano, Akira, to Hitachi, Ltd. Method for controlling to keep off defects on magnetic disks. 4,805,048, 2-14-89, Cl. 360-69.000.
- Takeuchi, Hisaharu; Kurano, Akira; Shiroyanagi, Yoshiro; Takamatsu, Hisashi; and Nakamura, Katsunori, to Hitachi, Ltd. Multiple control system for disk storage and method for realizing same. 4,807,180, 2-21-89, Cl. 364-900.000.
- Takeuchi, Hisaharu; and Itami, Teruo, to Kabushiki Kaisha Toshiba. Analog signal synthesizing processing circuit with periodic noise compensation. 4,851,934, 7-25-89, Cl. 360-64.000.
- Takeuchi, Hisao: *See—*
  - Matsushita, Ken-ichi; Okamoto, Taira; Shimada, Masahiko; and Takeuchi, Hisao, 4,794,798, Cl. 73-789.000.
  - Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, 4,886,709, Cl. 428-552.000.
- Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, to Toyota Jidosha Kabushiki Kaisha; and Trinity Industrial Corporation. Color exchange and cleaning device of minibell painting machine. 4,813,603, 3-21-89, Cl. 239-113.000.
- Takeuchi, Hitoshi; Tsujii, Masao; and Ohba, Masahiro, to Nippondenso Co., Ltd. Vehicle speed control system. 4,819,172, 4-4-89, Cl. 364-431.070.
- Takeuchi, Ikuo: *See—*
  - Uno, Motoo; Takeuchi, Ikuo; Honma, Kazuo; and Sakai, Akihiko, 4,813,339, Cl. 91-459.000.
- Takeuchi, Kanji: *See—*
  - Kiyono, Masashi; Takeuchi, Kanji; Abe, Tomoaki; and Takao, Mitsunori, 4,854,283, Cl. 123-361.000.
  - Setaka, Yousuke; Yanase, Sumio; Takeuchi, Kanji; and Miyahara, Masahiko, 4,881,414, Cl. 73-862.330.
- Takeuchi, Kazuhiro: *See—*
  - Ohzono, Kouhei; Takeuchi, Kazuhiro; and Iwatsuka, Yoshihisa, 4,842,115, Cl. 192-85.00F.
  - Sakane, Takaaki; and Takeuchi, Kazuhiro, 4,840,541, Cl. 416-223.00R.
- Takeuchi, Kazuo: *See—*
  - Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
- Takeuchi, Kazuyuki: *See—*
  - Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-3.000.
- Takeuchi, Keiji; Nishino, Takashi; Odera, Motoyasu; Shimogaki, Hisao; and Negi, Tahee, to Lion Corporation. Alkaline proteases and microorganisms producing same. 4,797,362, 1-10-89, Cl. 435-221.000.
- Takeuchi, Kenichi, to Sony Corporation. Luminescence detecting devices. 4,804,845, 2-14-89, Cl. 250-367.000.
- Takeuchi, Kenichi; Saito, Shin; Araki, Shoji; and Nakayama, Atsushi, to Nippon Telegraph and Telephone Corporation; and Sony Corporation. Mis-detection of a video switchover key signal. 4,881,253, 11-14-89, Cl. 379-54.000.
- Takeuchi, Kenji; Kiryu, Koji; and Tanaka, Kazuyuki, to Aisin Seiki Kabushiki Kaisha. Direct-coupling/differential changeover transfer apparatus. 4,846,016, 7-11-89, Cl. 74-710.500.
- Takeuchi, Kenji: *See—*
  - Ono, Mamoru; and Takeuchi, Kenji, 4,807,072, Cl. 360-105.000.
  - Tazawa, Shunsuke; Kurihara, Katsuhiko; Takeuchi, Kenji; and Abe, Mitsuaki, 4,795,779, Cl. 524-598.000.
- Takeuchi, Kiyohumi; Sasaki, Makoto; and Takatsu, Haruyoshi, to Dainippon Ink & Chemicals, Inc. Novel optically active tolan derivatives. 4,814,516, 3-21-89, Cl. 568-631.000.
- Takeuchi, Kiyohumi: *See—*
  - Sasaki, Makoto; Takeuchi, Kiyohumi; and Takatsu, Haruyoshi, 4,880,936, Cl. 546-339.000.
  - Tanaka, Yasuyuki; Takatsu, Haruyoshi; Takeuchi, Kiyohumi; and Tamura, Yuji, 4,814,523, Cl. 570-129.000.
- Takeuchi, Kohsuke: *See—*
  - Sonobe, Kozo; Fukuzawa, Takashi; Takeuchi, Kohsuke; Tabata, Tatushi; Fukuoka, Hiroshi; Hisamatsu, Kunio; and Katamura, Makoto, 4,882,303, Cl. 501-28.000.
- Takeuchi, Koji: *See—*
  - Higuchi, Ryoichi; Sakurai, Takao; Mikami, Naoko; Akaiwa, Kiriko; and Takeuchi, Koji, 4,831,182, Cl. 560-59.000.
  - Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,874,542, Cl. 252-299.610.
  - Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,880,561, Cl. 252-299.610.
- Takeuchi, Kousuke: *See—*
  - Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, 4,868,444, Cl. 310-313.00A.
- Takeuchi, Kunihiko; and Nogi, Hiroshi, to Tokyo Keiki Company, Ltd. Information processing apparatus of tool holder. 4,809,426, 3-7-89, Cl. 29-568.000.
- Takeuchi, Kunihiko; and Oba, Masao, to Tokyo Keiki Company, Ltd. Apparatus for reading out work machining data written in a memory module attached to a pallet when the pallet is moved to a machine tool. 4,821,198, 4-11-89, Cl. 364-468.000.
- Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, to Tokyo Keiki Company, Ltd. Method for preparing information tables for a digital valve control apparatus. 4,833,593, 5-23-89, Cl. 364-191.000.
- Takeuchi, Kunihiko; Baba, Fujio; and Shimomura, Yasuo, to Tokyo Keiki Company Ltd. Communication control system of fluid control valve. 4,855,729, 8-8-89, Cl. 340-825.050.
- Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, to Tokyo Keiki Company Ltd. Memory package system for performing data transmission between memory module and write/read unit by electromagnetic induction coupling. 4,855,994, 8-8-89, Cl. 370-69.100.
- Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinichi, to Tokyo Keiki Company Ltd. Automatic tool changer with electromagnetically readable tool holder having an electromagnetically coupling stopper for numerical control. 4,856,177, 8-15-89, Cl. 29-568.000.
- Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasuo, to Tokyo Keiki Company, Ltd. Fluid valve control system for controlling fluid pressure or flow. 4,858,103, 8-15-89, Cl. 364-174.000.
- Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, to Tokyo Keiki Company Ltd. Drive management system. 4,858,133, 8-15-89, Cl. 364-424.040.
- Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinichi, to Tokyo Keiki Company, Ltd. Information recording apparatus for vehicles. 4,866,616, 9-12-89, Cl. 364-424.040.
- Takeuchi, Kunihiko; Akita, Yoshisuke; and Hayakawa, Osamu, to Tokyo Keiki Company Ltd. Control apparatus of variable delivery pump. 4,886,422, 12-12-89, Cl. 417-20.000.
- Takeuchi, Kunio. Special lens and glasses equipped with the same. 4,818,095, 4-4-89, Cl. 351-159.000.
- Takeuchi, Makoto: *See—*
  - Shindo, Takuji; Naito, Hiromitsu; and Takeuchi, Makoto, 4,871,400, Cl. 148-12.70B.

- Takeuchi, Masaharu: *See—*
  - Nishibe, Yuji; Nonomura, Yutaka; and Takeuchi, Masaharu, 4,811,609, Cl. 73-862.360.
  - Nonomura, Yutaka; Tsukada, Kouji; Nishibe, Yuji; and Takeuchi, Masaharu, 4,803,885, Cl. 73-862.360.
- Takeuchi, Masao: *See—*
  - Morito, Makoto; Takeuchi, Masao; Fujisawa, Akihiko; Tabei, Yukio; and Takahashi, Keiko, 4,868,879, Cl. 381-43.000.
- Takeuchi, Masaru; Fukatsu, Takeo; Nakano, Shoichi; Kuwano, Yukinori; Minami, Koji; and Iwamoto, Masayuki, to Sanyo Electric Co., Ltd. Electrostatic recording apparatus. 4,841,328, 6-20-89, Cl. 355-211.000.
- Takeuchi, Masaru; Gotoh, Kazuyuki; Wakisaka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, to Sanyo Electric Co., Ltd. Electrophotographic photosensitive sensor. 4,885,226, 12-5-89, Cl. 430-65.000.
- Takeuchi, Masashi: *See—*
  - Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,824,759, Cl. 430-203.000.
  - Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,830,957, Cl. 430-562.000.
  - Sato, Kozo; Takeuchi, Masashi; and Shibata, Takeshi, 4,837,142, Cl. 430-562.000.
  - Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,845,018, Cl. 430-203.000.
- Takeuchi, Masataka: *See—*
  - Kobayashi, Yukio; Takeuchi, Masataka; Kameyama, Mutsumi; Ohira, Manabu; Kikuta, Yoshikazu; and Takahashi, Toyohiko, 4,803,138, Cl. 429-194.000.
- Takeuchi, Masato: *See—*
  - Kahara, Toshiki; Takeuchi, Masato; Okada, Hideo; Iwamoto, Kazuo; Iwase, Yoshio; and Mitsugi, Kouichi, 4,810,595, Cl. 429-16.000.
- Takeuchi, Michikazu: *See—*
  - Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michikazu; Kotani, Shou; and Yasuda, Sumihiro, 4,874,924, Cl. 219-274.000.
- Takeuchi, Mikio; Nakano, Kinichiro; Mitamura, Kenichi; and Tomoda, Takahisa, to Nissan Motor Co., Ltd. Antenna device in automotive keyless entry system. 4,873,530, 10-10-89, Cl. 343-711.000.
- Takeuchi, Mikio: *See—*
  - Hara, Yasuo; Oashi, Ryuji; Kawahara, Yoshitaka; and Takeuchi, Mikio, 4,861,931, Cl. 585-363.000.
- Takeuchi, Motohiko; and Kisou, Masaaki, to Kabushiki Kaisha Toshiba. Noise reduction circuit for video signal having field memory. 4,807,034, 2-21-89, Cl. 358-167.000.
- Takeuchi, Motohiko; and Kisou, Masaaki, to Kabushiki Kaisha Toshiba. Noise reduction circuit for video signal having suitable nonlinear processing character. 4,833,537, 5-23-89, Cl. 358-167.000.
- Takeuchi Press Industries Co., Ltd.: *See—*
  - Tanino, Katsumi; Nakazawa, Yukio; and Kizaki, Takeo, 4,808,326, Cl. 252-62.540.
- Takeuchi, Ryozo; Suzuki, Yasuaki; Nagata, Tetsuya; and Hirose, Eturo, to Hitachi, Ltd. Electronic album. 4,888,648, 12-19-89, Cl. 358-335.000.
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- Takeuchi, Seiji: *See—*
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- Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, to Kenkyusho, Rikagaku; Kochi, Mutsuyuki; and Kaken Kagaku Kabushiki Kaisha A composition and method of treating selected malignant conditions. 4,882,314, 11-21-89, Cl. 514-23.000.
- Takeuchi, Shigeo, to Takeuchi Tekko Kabushiki Kaisha. Method and apparatus for removing aged wax and fur on vehicle. 4,804,421, 2-14-89, Cl. 134-18.000.
- Takeuchi, Shigeo: *See—*
  - Kamada, Eiki; Shiritani, Yooichi; Shonai, Tohru; and Takeuchi, Shigeo, 4,831,515, Cl. 364-200.000.
- Takeuchi Shigetaka. *See—*
  - Ozawa, Jun; Shindo, Katsuji; Takeuchi Shigetaka; and Suzuki, Goro, 4,814,936, Cl. 361-127.000.
- Takeuchi, Shin; Eto, Isamu; and Yamada, Taketoshi, to Inoue MTP Kabushiki Kaisha. Method for manufacturing plastic foam. 4,824,617, 4-25-89, Cl. 264-26.000.
- Takeuchi, Shinichi: *See—*
  - Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.
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  - Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo; Kodama, Kazumasa; and Matsumoto, Tsutomu, 4,858,134, Cl. 364-424.050.
  - Eto, Kunihiko; and Takeuchi, Shiro, 4,864,873, Cl. 73-862.320.
- Takeuchi, Shogo: *See—*
  - Tomita, Nobumitsu; Takahashi, Akira; and Takeuchi, Shogo, 4,864,551, Cl. 369-36.000.
- Takeuchi, Shoji: *See—*
  - Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, 4,828,936, Cl. 428-650.000.
- Takeuchi, Sumitaka: *See—*
  - Okada, Keisuke; and Takeuchi, Sumitaka, 4,866,443, Cl. 341-159.000.
- Takeuchi, Syozo: *See—*
  - Kamiyama, Kozi; Okazaki, Yoji; Okazaki, Masaki; Kubodera, Seiiti; and Takeuchi, Syozo, 4,830,447, Cl. 350-96.120.
- Takeuchi, Tadao, to Matsuzaki Seisan Kabusiki Kaisha. Case such as suitcase and its improvement. 4,854,602, 8-8-89, Cl. 280-79.110.
- Takeuchi, Tadashi: *See—*
  - Aburatani, Masakazu; Takeuchi, Tadashi; and Mori, Kenji, 4,861,875, Cl. 540-114.000.
- Takeuchi, Takashi: *See—*
  - Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi, Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
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  - Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, 4,826,207, Cl. 280-714.000.
- Takeuchi, Tatsuo, to Canon Kabushiki Kaisha. Image fixing roller and image fixing apparatus using same. 4,887,964, 12-19-89, Cl. 432-60.000.
- Takeuchi Tekko Kabushiki Kaisha: *See—*
  - Takeuchi, Shigeo, 4,804,421, Cl. 134-18.000.
- Takeuchi, Teruaki: *See—*
  - Maruyama, Youji; Ikeda, Tadashi; Takeuchi, Teruaki; and Suzuki, Ryo, 4,845,671, Cl. 365-87.000.
  - Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.
- Takeuchi, Terumasa: *See—*
  - Mori, Nobuo; Takeuchi, Terumasa, and Kiyohara, Hiroshi, 4,805,516, Cl. 91-503.000.
- Takeuchi, Teruo: *See—*
  - Kuriyama, Zenkichi; Aoba, Masaho; and Takeuchi, Teruo, 4,839,875, Cl. 369-14.000.
- Takeuchi, Tetsuhiko: *See—*
  - Toki, Motoyuki; Kanbe, Sadao; Miyashita, Satoru; and Takeuchi, Tetsuhiko, 4,801,318, Cl. 65-18.100.
- Takeuchi, Tohru: *See—*
  - Watanabe, Kiyoshi; Takeuchi, Tohru; Ohtake, Hideaki; and Fujita, Ichiro, 4,816,424, Cl. 437-190.000.
- Takeuchi, Tomio: *See—*
  - Kawai, Hiroyuki; Nakajima, Shohachi; and Takeuchi, Tomio, 4,888,418, Cl. 536-6.400.
  - Machinami, Tomoya; Nakamura, Takeshi; Nishihata, Ken; Kondo, Shinichi; and Takeuchi, Tomio, 4,889,926, Cl. 536-6.400.
  - Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
  - Umezawa, Hamao; Aoyagi, Takaaki; Takeuchi, Tomio; Hamada, Masa; and Ishizuka, Masaaki, 4,859,593, Cl. 435-128.000.
  - Umezawa, Hamao, deceased; Takeuchi, Tomio; Tatsuta, Kuniaki; and Takahashi, Yoshikazu, 4,818,818, Cl. 536-6.400.
  - Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.
  - Umezawa, Sumio; Tsuchiya, Tsutomu; Takeuchi, Tomio; Umezawa, Kazuo; Takahashi, Yoshiaki; Shitara, Tetsuo; Kobayashi, Yoshihiko; and Takagi, Yasushi, 4,873,225, Cl. 514-41.000.
- Takeuchi, Toru: *See—*
  - Matsushita, Souji; Shimizu, Setsuro; Takeuchi, Toru; and Tahara, Susumu, 4,828,619, Cl. 106-95.000.
  - Yagi, Hideo; and Takeuchi, Toru, 4,808,641, Cl. 524-5.000.
- Takeuchi, Toshitaka. Tremolo arm adjustment mechanism in electric guitar. 4,796,505, 1-10-89, Cl. 84-313.000.
- Takeuchi, Toshiyasu, to Kabushiki Kaisha Tiyoda Seisakusho; and Sakura Finetechnical Co., Ltd. Apparatus for dyeing skeletons of animal fetuses. 4,805,651, 2-21-89, Cl. 134-98.000.
- Takeuchi, Toshiyuki; and Tsuneta, Masayuki, to Daifuki, Co., Ltd. Conveyor system utilizing linear motor. 4,841,869, 6-27-89, Cl. 104-292.000.
- Takeuchi, Toyoaki; and Ikeda, Yoshiaki, to Olympus Optical Co., Ltd. Optical information recording/reproducing system with variable gain servo error correction in response to detected track formats. 4,890,273, 12-26-89, Cl. 369-45.000.
- Takeuchi, Toyoaki: *See—*
  - Nakano, Hiroshi; Takeuchi, Toyoaki; Tsunoda, Toshiyuki; and Kinukawa, Masahiko, 4,878,746, Cl. 350-507.000.
- Takeuchi, Tsutomu: *See—*
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,807,252, Cl. 375-53.000.
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,841,547, Cl. 375-53.000.
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki, 4,849,990, Cl. 375-40.000.
- Takeuchi, Yasuhiro: *See—*
  - Yoshida, Akihiko; Nishino, Atsushi; Tanahashi, Ichiro; and Takeuchi, Yasuhiro, 4,814,145, Cl. 422-150.000.
- Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, to Yokogawa Medical Systems, Limited. Diagnostic imaging apparatus. 4,817,617, 4-4-89, Cl. 128-660.050.

Takeuchi, Yasuhito, to Yokogawa Medical Systems, Limited. Ultrasonic transducer. 4,881,212, 11-14-89, Cl. 367-152.000.

Takeuchi, Yasuhito: *See—*

Sano, Shinichu; Takeuchi, Yasuhito; Tamezumi, Yoshiro; Higashiizumi, Takao; and Kakizawa, Tsuyoshi, 4,803,486, Cl. 340-825.790.

Takeuchi, Yo: *See—*

Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,861,681, Cl. 428-654.000.

Kudo, Hajime; Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,842,185, Cl. 228-183.000.

Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, 4,828,936, Cl. 428-650.000.

Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.

Takeuchi, Yoji; and Sumiya, Kenji, to Hitachi Maxell, Ltd. Magnetic recording medium. 4,803,125, 2-7-89, Cl. 428-411.100.

Takeuchi, Yoji: *See—*

Sumiya, Kenji; Yamamoto, Yoshinori; Aoyama, Shigeo; and Takeuchi, Yoji, 4,830,923, Cl. 428-425.900.

Takeuchi, Yoshiaki; and Nakagawa, Kaoru, to Kabushiki Kaisha Toshiba. Semiconductor integrated circuit. 4,856,034, 8-8-89, Cl. 377-74.000.

Takeuchi, Yoshiaki: *See—*

Takeuchi, Hiroshi; and Takeuchi, Yoshiaki, 4,861,254, Cl. 425-190.000.

Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.

Takeuchi, Yoshiharu: *See—*

Katto, Hisao; Sugiura, June; Horino, Nozomi; Endo, Akira; Takeuchi, Yoshiharu; and Arakawa, Yuji, 4,830,977, Cl. 437-52.000.

Takeuchi, Yoshihiko: *See—*

Yatsuda, Hiromi; Takeuchi, Yoshihiko; Kohda, Toichi; and Yoshikawa, Shokichiro, 4,878,036, Cl. 333-195.000.

Takeuchi, Yoshikiho, to Yamaha Hatsudoki Kabushiki Kaisha. Exhaust gas control means for motorcycle and the like. 4,860,538, 8-29-89, Cl. 60-313.000.

Takeuchi, Yoshinori: *See—*

Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, 4,814,906, Cl. 360-75.000.

Takeuchi, Youji: *See—*

Sugimoto, Kenji; Takeuchi, Youji; and Yamashita, Shuichiro, 4,831,906, Cl. 82-118.000.

Takeuchi, Yukihisa; and Masumori, Hideo, to NGK Insulators, Ltd. Ceramic composition for dielectrics. 4,814,304, 3-21-89, Cl. 501-15.000.

Takeuchi, Yukihisa: *See—*

Araki, Masatada; Kuroyama, Yutaka; Takeuchi, Yukihisa; Takagi, Makoto; Kawamura, Yoshihito; and Imura, Toru, 4,857,414, Cl. 428-612.000.

Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, 4,816,332, Cl. 428-304.400.

Takeuchi, Yuko; Nakahara, Yuki; Kimura, Hajime; and Okano, Shinobu, to Kawasaki Steel Corporation. Chromate-treated zinc-plated steel strip and method for making. 4,804,587, 2-14-89, Cl. 428-623.000.

Takeuchi, Yutaka: *See—*

Sunagawa, Makoto; Isobe, Yutaka; Takeuchi, Yutaka; Matsumura, Haruki; Ozaki, Yukio; and Noguchi, Tetsuo, 4,888,344, Cl. 514-210.000.

Takeuji, Koichi; and Furusawa, Takashi, to Sharp Kabushiki Kaisha. Cooling system for cooling electrical parts for microwave oven. 4,812,617, 3-14-89, Cl. 219-10.55R.

Takeuji, Koichi, to Sharp Kabushiki Kaisha. Microwave oven with circuit cooling system and magnetic shield system. 4,868,362, 9-19-89, Cl. 219-10.55R.

Takeura, Tooru; and Momata, Kazuhiro, to Hitachi, Ltd. Magnetoresistance type magnetic head and method for fabricating same. 4,807,073, 2-21-89, Cl. 360-113.000.

Takeura, Tooru: *See—*

Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.

Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.

Momata, Kazuhiro; Chida, Kousaku; Takeura, Tooru; and Tsukada, Yukihisa, 4,860,140, Cl. 360-127.000.

Sato, Naoki; Kamo, Yoshihisa; Takeura, Tooru; Katsumata, Masao; and Momata, Kazuhiro, 4,802,043, Cl. 360-113.000.

Takewa, Hiroyuki: *See—*

Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Saiki, Shuji; and Tanaka, Tsuneo, 4,803,242, Cl. 524-35.000.

Takeya, Fuminori; Fukuda, Naoya; and Suzuki, Miki, to NGK Insulators, Ltd. Method of forming recessed profile on ferrite single crystal by chemical etching. 4,875,970, 10-24-89, Cl. 156-645.000.

Takeya, Hitoshi: *See—*

Matsumura, Yasushi; Shuhara, Akira; Sasaki, Shigeo; Fukumoto, Kazumi; and Takeya, Hitoshi, 4,886,971, Cl. 250-492.200.

Takeya, Noriyoshi: *See—*

Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.

Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.

Takeya, Ryuko: *See—*

Kuwano, Eiichi; Takeya, Ryuko; Eto, Morifusa; and Asano, Shoji, 4,812,473, Cl. 514-396.000.

Takeyama, Kojiro, to Matsushita Electric Industrial Co., Ltd. Tofu making apparatus. 4,869,164, 9-26-89, Cl. 99-483.000.

Takeyama, Kunihiko: *See—*

Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.

Takeyama, Yoshinobu, to Ricoh Company, Ltd. Semiconductor laser control apparatus. 4,888,777, 12-19-89, Cl. 372-38.000.

Takeyama, Yoshinobu: *See—*

Imakawa, Susumu; and Takeyama, Yoshinobu, 4,837,588, Cl. 346-108.000.

Sugimura, Keiichi; Takeyama, Yoshinobu; and Shimada, Kazuyuki, 4,835,780, Cl. 372-29.000.

Takeyasu, Hatsuichi; Sakata, Kenichi; and Yura, Fumitoshi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Polygonal mirror and method of making same. 4,884,856, 12-5-89, Cl. 350-6.800.

Takezawa, Katsuhito, to Canon Kabushiki Kaisha. Data communication apparatus. 4,829,385, 5-9-89, Cl. 358-260.000.

Takezawa, Keisuke; Kamimori, Masatsugu; Morohashi, Tsuyoshi; and Kubozono, Takashi, to Capcom Co., Ltd. Pneumatic operating device for game machine. 4,850,591, 7-25-89, Cl. 273-85.00G.

Takezawa, Kenichiro: *See—*

Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, 4,870,258, Cl. 235-379.000.

Takezawa, Mamoru: *See—*

Okubo, Toshimitsu; Takezawa, Mamoru; Satoh, Mitsuyoshi; and Suzuki, Kazuhiro, 4,799,814, Cl. 400-639.100.

Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Takezoe, Akinobu: *See—*

Nakako, Takefumi; Inoue, Shoji; and Takezoe, Akinobu, 4,796,797, Cl. 228-144.000.

Taki, Hideo: *See—*

Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.

Taki, Kazunari, to Brother Kogyo Kabushiki Kaisha. Optical disc head with high signal-to-noise ratio. 4,812,637, 3-14-89, Cl. 250-201.000.

Taki, Kazunari, to Brother Kogyo Kabushiki Kaisha. Data storage and readout optical head using a single substrate having an electrooptic converging portion for adjustment of the light beam focal point. 4,855,986, 8-8-89, Cl. 369-112.000.

Taki, Kazunari: *See—*

Mizutani, Shuzo; Matsuda, Riki; Taki, Kazunari; Hattori, Yutaka; Miyaki, Kazuyuki; and Hirahata, Shinichi, 4,807,204, Cl. 369-13.000.

Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Beasho, Yoshinori, 4,865,407, Cl. 350-96.120.

Suzuki, Makoto; and Taki, Kazunari, 4,816,912, Cl. 358-300.000.

Taki, Kiyoshi: *See—*

Kimura, Hitoshi; Kazama, Shigenori; Shirasaka, Akitoshi; Taki, Kiyoshi; and Manabe, Yukihiro, 4,879,325, Cl. 523-404.000.

Taki, Mamoru: *See—*

Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, 4,823,168, Cl. 356-246.000.

Taki, Masakazu: *See—*

Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890,294, Cl. 372-57.000.

Taki, Naohiro; and Ozawa, Yasuhiro, to Asada Kabushiki Kaisha. Screw cutter die head. 4,880,340, 11-14-89, Cl. 408-176.000.

Taki, Osamu; and Takeshima, Shigeru, to S.M.W. Seiko, Inc. Side cutting blades for multi-shaft auger system and improved soil mixing wall formation process. 4,886,400, 12-12-89, Cl. 405-267.000.

Taki, Teluomi; and Toyoda, Shigehiro, to CKD Corporation. Rod-less cylinder. 4,829,881, 5-16-89, Cl. 92-88.000.

Taki, Youichirou: *See—*

Kitora, Takatsugu; and Taki, Youichirou, 4,814,645, Cl. 307-456.000.

Takiar, Hem P.; Divyesh, P. Shah; and Hilton, Robert E., to National Semiconductor Corporation. Nickel plated tape. 4,810,620, 3-7-89, Cl. 430-314.000.

Takida, Hiroshi: *See—*

Miyamoto, Masaaki; Kamoshida, Eiichi; and Takida, Hiroshi, 4,795,781, Cl. 525-58.000.

Takigami, Katsuhiko: *See—*

Ogura, Tsuneo; Takigami, Katsuhiko; Nakagawa, Akio; and Domon, Tomokazu, 4,821,083, Cl. 357-38.000.

Takigawa, Akira; Kondo, Shizuo; Kasahara, Masumi; Hirashima, Toshinori; Haijima, Mikio; Ogura, Setsuo; Takada, Osamu; and Akamatsu, Yoshiki, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Resistor and electron device employing the same. 4,804,940, 2-14-89, Cl. 341-133.000.

Takigawa, Hiroshi: *See—*

Iwai, Kenji; Furuta, Seiya; Takigawa, Hiroshi; and Kawai, Nobuyasu, 4,825,522, Cl. 29-156.80R.

Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, 4,795,907, Cl. 250-352.000.

Takigawa, Kazunori; and Suzuki, Roichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Valve actuator for slide exhaust brake systems. 4,840,348, 6-20-89, Cl. 251-63.600.

Takigawa, Kazunori, to Usui Kokusai Sangyo Kabushiki Kaisha. Blades for high speed propeller fan. 4,846,629, 7-11-89, Cl. 416-223.00R.

Takigawa, Kazunori, to Usui Kokusai Sangyo Kabushiki Kaisha. Blades for low speed propeller fan. 4,859,150, 8-22-89, Cl. 416-223.00R.

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Takigawa Kogyo Co., Ltd.: *See—*

Takigawa, Shogo; and Izui, Masaru, 4,862,645, Cl. 51-81.00R.

Takigawa, Kouichi: *See—*

Kakuta, Yonehiro; Takigawa, Kouichi; Noji, Akio; Kuwabara, Shigeaki; Shimada, Tadashi; and Iida, Michihiro, 4,811,492, Cl. 33-366.000.

Takigawa, Masao: *See—*

Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.

Takigawa: Masuhiko: *See—*

Ikebe, Takashi; and Takigawa: Masuhiko, 4,877,018, Cl. 128-81.00R.

Takigawa, Masuo: *See—*

Kusuda, Takao; Yonemura, Masaaki; Shimoda, Hisanori; Takigawa, Masuo; and Mihara, Toshihiro, 4,840,028, Cl. 60-303.000.

Takigawa, Shogo; and Izui, Masaru, to Takigawa Kogyo Co., Ltd. Chamfering machine. 4,862,645, 9-5-89, Cl. 51-81.00R.

Takigawa, Tomoya: *See—*

Kobayashi, Shigeyoshi; Yaba, Susumu; and Takigawa, Tomoya, 4,880,163, Cl. 239-422.000.

Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Semiconductor laser. 4,803,690, 2-7-89, Cl. 372-45.000.

Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Light modulator. 4,819,240, 4-4-89, Cl. 372-26.000.

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Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sakane, Chitose; and Yoshida, Toshihiko, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,862,472, 8-29-89, Cl. 372-45.000.

Takiguchi, Haruhisa: *See—*

Kaneiwa, Shinji; Takiguchi, Haruhisa; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,799,227, Cl. 372-46.000.

Kudo, Hiroaki; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Yoshida, Toshihiko, 4,805,183, Cl. 372-96.000.

Matsui, Sadayoshi; Taneya, Mototaka; Matsumoto, Mitsuhiro; Hosoba, Hiroyuki; Takiguchi, Haruhisa; and Kudo, Hiroaki, 4,872,174, Cl. 372-45.000.

Yamamoto, Osamu; Hayashi, Hiroshi; Matsui, Sadayoshi; Takiguchi, Haruhisa; and Miyauchi, Nobuyuki, 4,806,778, Cl. 250-561.000.

Yano, Seiki; Kudo, Hiroaki; Takiguchi, Haruhisa; Hijikata, Toshiki; and Kaneiwa, Shinji, 4,858,215, Cl. 369-45.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Matsui, Sadayoshi, 4,806,454, Cl. 430-321.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; and Kaneiwa, Shinji, 4,820,019, Cl. 350-163.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,839,900, Cl. 372-46.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, 4,841,534, Cl. 372-46.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Kudo, Hiroaki, 4,849,985, Cl. 372-96.000.

Takiguchi, Hideo: *See—*

Ichikawa, Kyoko; Aoki, Makoto; and Takiguchi, Hideo, 4,855,753, Cl. 346-1.100.

Takiguchi, Masahiro: *See—*

Kobayashi, Masayuki; and Takiguchi, Masahiro, 4,881,429, Cl. 74-867.000.

Takiguchi, Osamu: *See—*

Takagi, Hiroshi; Goto, Yoshihiro; Sato, Kazuhiro; Okudo, Yoshikazu; and Takiguchi, Osamu, 4,866,612, Cl. 364-413.220.

Takiguchi, Takao; Matsumoto, Masakazu; and Kikuchi, Toshihiro, to Canon Kabushiki Kaisha. Electrophotographic member containing vinylene benzocarazole as charge transporting material. 4,798,777, 1-17-89, Cl. 430-59.000.

Takiguchi, Takao: *See—*

Matsumoto, Masakazu; Takiguchi, Takao; and Takai, Hideyuki, 4,810,607, Cl. 430-73.000.

Umehara, Shoji; Matsumoto, Masakazu; Takiguchi, Takao; and Ishikawa, Shozo, 4,830,944, Cl. 430-59.000.

Takiguchi, Toshio, to Kabushiki Kaisha Toshiba. Ion selective electrode apparatus with an earth electrode. 4,797,192, 1-10-89, Cl. 204-412.000.

Takiguchi, Tsuyoshi: *See—*

Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.

Takiguchi, Yasuhiro: *See—*

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,522, Cl. 364-900.000.

Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji; Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,987, Cl. 364-419.000.

Takiguchi, Yoshihiro; and Tsuchiya, Yutaka, to Hamamatsu Photonics Kabushiki Kaisha. Streak camera device having a plurality of streak tubes. 4,797,747, 1-10-89, Cl. 358-217.000.

Takiguchi, Yoshihiro, to Hamamatsu Photonics Kabushiki Kaisha. Apparatus for optically measuring the three-dimensional surface shape and inner structure of an object. 4,857,748, 8-15-89, Cl. 250-560.000.

Takii, Osamu: *See—*

Masumoto, Iwao; and Takii, Osamu, 4,809,647, Cl. 123-52.0MB.

Takikawa, Kazunori; and Suzuki, Ryoichi, to Usui Kokusai Sangyo Kabushiki Kaisha. Slide type exhaust brake system. 4,819,696, 4-11-89, Cl. 137-630.120.

Takikawa, Kazunori, to Usui Kokusai Sangyo Kabushiki Kaisha. Elongated member fixing device by use of clamp. 4,856,739, 8-15-89, Cl. 248-74.200.

Takikawa, Kazunori: *See—*

Ono, Yuichi; and Takikawa, Kazunori, 4,796,571, Cl. 123-41.120.

Takimae, Toyosaku. Curly hair correcting iron. 4,819,674, 4-11-89, Cl. 132-224.000.

Takimoto, Akio: *See—*

Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomichi, Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,719, Cl. 430-58.000.

Takimoto, Hideo; Tokuda, Katsuji; and Yamamoto, Koji, to Kashima Industries Co. Epoxy resin film covered with metal foil and flexible printed wiring board. 4,882,216, 11-21-89, Cl. 428-209.000.

Takimoto, Hiroshi: *See—*

Narita, Yoshihiro; Takimoto, Hiroshi; and Sano, Hideo, 4,808,192, Cl. 8-527.000.

Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.

Takimoto, Hiroyuki, to Canon Kabushiki Kaisha. Rotary head type reproducing apparatus. 4,796,128, 1-3-89, Cl. 360-10.300.

Takimoto, Hiroyuki, to Canon Kabushiki Kaisha. Information signal reproducing apparatus in which a plurality of heads are selectively used. 4,878,133, 10-31-89, Cl. 360-64.000.

Takimoto, Hiroyuki: *See—*

Kashida, Motokazu; Kozuki, Susumu; Takimoto, Hiroyuki; Takahashi, Kouji; and Nagasawa, Kenichi, 4,811,120, Cl. 37-5.000.

Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,872,072, Cl. 360-33.100.

Maeda, Masaya; Takimoto, Hiroyuki; and Kozuki, Susumu, 4,888,651, Cl. 358-335.000.

Nagasawa, Kenichi; Takimoto, Hiroyuki; Otokawa, Mitsuhiro; Edakubo, Hiroo; Kozuki, Susumu; and Satoh, Keiji, 4,802,031, Cl. 360-77.150.

Otokawa, Mitsuhiro; Takimoto, Hiroyuki; Satoh, Keiji; Takahashi, Koji; and Edakubo, Hiroo, 4,825,307, Cl. 360-27.000.

Takimoto, Kazutoshi: *See—*

Kikuchi, Koji; Matsumi, Takatomo; and Takimoto, Kazutoshi, 4,803,854, Cl. 68-12.00R.

Takimoto, Kiyoshi: *See—*

Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.

Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, 4,798,740, Cl. 427-43.100.

Takimoto, Masaaki, to Fuji Photo Film Co., Ltd. Process for displaying information. 4,841,293, 6-20-89, Cl. 340-763.000.

Takimoto, Masaaki: *See—*

Hatanaka, Isamu; and Takimoto, Masaaki, 4,850,675, Cl. 350-331.00R.

Sobata, Tamotsu; Takimoto, Masaaki; and Yoshida, Yuichi, 4,853,285, Cl. 428-336.000.

Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,859,095, Cl. 400-124.000.

Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, 4,871,271, Cl. 400-124.000.

Takimoto, Masahiro, to Toyoda Gosei Co., Ltd. Process for preparing polyvinyl chloride material used for extrusion molding. 4,889,673, 12-26-89, Cl. 264-118.000.

Takimoto, Nobuko. Cleaner of remote-control type. 4,854,000, 8-8-89, Cl. 15-3.000.

Takimoto, Yasuyuki: *See—*

Kawabata, Masami; Harada, Masahiko; and Takimoto, Yasuyuki, 4,868,092, Cl. 430-781.000.

Takimura, Keisuke: *See—*
Katayama, Nobuaki; Sasaki, Kan; Koide, Takeharu; and Takimura, Keisuke, 4,802,383, Cl. 74-711.000.
Sasaki, Kan; Takimura, Keisuke; and Katayama, Nobuaki, 4,867,001, Cl. 74-424.000.
Takinami, Takao: *See—*
Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, 4,855,124, Cl. 423-574.00L.
Takino, Takashi: *See—*
Itoh, Toshinobu; Nakaso, Noriyuki; Takino, Takashi; and Mishima, Mutsukata, 4,819,588, Cl. 123-52.00M.
Takino, Tetsuji: *See—*
Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, 4,808,951, Cl. 333-202.000.
Yamato, Osamu; and Takino, Tetsuji, 4,877,493, Cl. 204-15.000.
Yamato, Osamu; and Takino, Tetsuji, 4,882,026, Cl. 204-275.000.
Takiron Co., Ltd.: *See—*
Kitada, Hideki; Takahashi, Masaaki; Yagi, Toshiyuki; Sukeda, Masaaki; and Nakayama, Tadashi, 4,808,642, Cl. 524-87.000.
Shikinami, Yasuo; Hata, Kunihiro; and Ohmura, Yutaka, 4,855,077, Cl. 252-518.000.
Takisawa, Toshifumi: *See—*
Fukuda, Yujiro; Utsumi, Shigeo; Tomitaka, Kichinojyo; and Takisawa, Toshifumi, 4,865,898, Cl. 428-141.000.
Takisawa, Yukihisa: *See—*
Kamaya, Kazuo; and Takisawa, Yukihisa, 4,822,898, Cl. 549-317.000.
Takishita, Mitsukazu: *See—*
Hirose, Daijo; and Takishita, Mitsukazu, 4,817,288, Cl. 30-276.000.
Takishita, Toshihiko: *See—*
Ohta, Minemasa; Suzuki, Kenji; Fukuoka, Satoru; Takishita, Toshihiko; and Hayashi, Tuyoshi, 4,837,130, Cl. 430-321.000.
Takisita, Mitsukazu: *See—*
Sugihara, Hideo; Takisita, Mitsukazu; and Hirose, Daijo, 4,819,332, Cl. 30-123.400.
Takita, Hidenori: *See—*
Kawabata, Akira; Terasaki, Yoshikazu; Inoue, Takashi; and Takita, Hidenori, 4,876,479, Cl. 313-440.000.
Takita, Hitoshi; Kimura, Fumihiko; Noda, Sakuo; Mukaida, Yutaka; Nitta, Toyohiko; and Kobayashi, Hidetoshi, to Kureha Kagaku Kogyo Kabushiki Kaisha. Dialkanoyloxybenzylidene dialkanoate. 4,841,097, 6-20-89, Cl. 560-144.000.
Takita, Kenichi: *See—*
Itoh, Kunio; Takahashi, Masaharu; Takita, Kenichi; and Yoshida, Takeo, 4,814,408, Cl. 528-24.000.
Takita, Kouhei: *See—*
Kaku, Nobuyuki; Ogiro, Kenji; Osawa, Atsuo; Sasaki, Takashi; and Takita, Kouhei, 4,862,300, Cl. 360-85.000.
Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi, and Tanaka, Masumi, to Matsushita Electric Industrial Co., Ltd. Ribbon feed mechanism. 4,797,690, 1-10-89, Cl. 346-105.000.
Takita, Masaaki; Tsuru, Yoshikazu; Kitagawa, Toshiharu; and Nomura, Yoshikazu, to Matsushita Electric Industrial Co., Ltd. Printer. 4,881,831, 11-21-89, Cl. 400-120.000.
Takita, Norio: *See—*
Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, 4,835,619, Cl. 358-294.000.
Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, 4,866,531, Cl. 358-256.000.
Takitani, Yukitaka: *See—*
Asayama, Yoshio; Tsubota, Makio; Takitani, Yukitaka; and Okura, Yasunori, 4,836,057, Cl. 74-867.000.
Takiyama, Eiichiro; Yokoyama, Akira; and Ogura, Ryushi, to Showa High Polymer Co., Ltd. Curable resin composition. 4,814,365, 3-21-89, Cl. 523-514.000.
Takiyasu, Yoshihiro, to Hitachi, Ltd. Loop transmission system and data transmission control method. 4,813,039, 3-14-89, Cl. 370-89.000.
Takizaki, Takeshi, to Matsushita Electric Industrial Co., Ltd. Automatic heating apparatus provided with gas and weight sensors. 4,814,570, 3-21-89, Cl. 219-10.55B.
Takizawa, Akio; and Saito, Syozo, to Nippon Antenna Co., Ltd. Broadcasting wave reception antenna. 4,879,570, 11-7-89, Cl. 343-713.000.
Takizawa, Hideaki: *See—*
Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
Takizawa, Hirokazu: *See—*
Miyazaki, Ryuichi; Kakihara, Yosuke; Doi, Yasushi; and Takizawa, Hirokazu, 4,868,884, Cl. 382-30.000.
Takizawa, Hitoshi: *See—*
Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
Takizawa, Kazushige: *See—*
Matsuo, Mamoru; Okuda, Yutaka; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,861,396, Cl. 148-439.000.
Shoji, Ryo; Fujikura, Chozo; Takizawa, Kazushige; and Sakaki, Hirokazu, 4,822,715, Cl. 430-155.000.
Takizawa, Kazuyoshi; and Watanuki, Kiyoshi, to Hitachi, Ltd. Display device including flyback transformer constructed to control leakage currents. 4,841,201, 6-20-89, Cl. 315-411.000.
Takizawa, Kazuyoshi: *See—*
Watanuki, Kiyoshi; and Takizawa, Kazuyoshi, 4,808,891, Cl. 315-411.000.
Takizawa, Kikuo: *See—*
Nakayama, Yoshinori; and Takizawa, Kikuo, 4,812,287, Cl. 420-41.000.
Takizawa, Kiyotaka: *See—*
Sakamoto, Takao; and Takizawa, Kiyotaka, 4,885,513, Cl. 318-468.000.
Takizawa, Kouji: *See—*
Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
Takizawa, Kuniharu, to Nippon Hoso Kyokai. Optical modulating/switching device. 4,818,063, 4-4-89, Cl. 350-96.130.
Takizawa, Masaaki: *See—*
Konishi, Morikazu; and Takizawa, Masaaki, 4,831,308, Cl. 313-362.100.
Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, to Kajima Corporation; and Kajima Road Company. Method and apparatus for grading and measuring a surface having a curved profile. 4,852,278, 8-1-89, Cl. 37-197.000.
Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, to Mitsubishi Denki Kabushiki Kaisha; and Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle height control system. 4,803,630, 2-7-89, Cl. 364-424.050.
Takizawa, Shozo: *See—*
Harara, Mitsuhiko; Takizawa, Shozo; Tanaka, Tadao; Wada, Shunichi; and Ohtagaki, Shigeki, 4,887,840, Cl. 280-707.000.
Takaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,830,394, Cl. 280-689.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,903, Cl. 280-689.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,905, Cl. 280-707.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.
Tanaka, Tadao; Mitsui, Takeshi; Takizawa, Shozo; and Fukuyama, Kazuo, 4,887,632, Cl. 137-117.000.
Yoshida, Yasuhiko; Honda, Masahiro; and Takizawa, Shozo, 4,811,805, Cl. 180-140.000.
Takizawa, Sumio: *See—*
Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
Takizawa, Sumiyoshi: *See—*
Okada, Yoshikazu; Sugawara, Jun; and Takizawa, Sumiyoshi, 4,812,370, Cl. 428-552.000.
Takizawa, Takashi: *See—*
Hurutachi, Hideaki; Takizawa, Takashi; and Tanaka, Tsutomu, 4,813,241, Cl. 62-209.000.
Takizawa, Toshiki: *See—*
Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,801,641, Cl. 524-426.000.
Ogawa, Masaki; Shiomura, Yasuro; and Takizawa, Toshiki, 4,886,850, Cl. 524-413.000.
Takizawa, Toshimitsu, to Kabushiki Kaisha Toshiba. Magnetic disk drive having a magnetic-head with a head gap supported parallel to the moving direction of a magnetic-head positioning mechanism. 4,800,455, 1-24-89, Cl. 360-104.000.
Takizawa, Toshimitsu; and Kawata, Yoshihiro, to Kabushiki Kaisha Toshiba. Magnetic disk device having a mechanism for removing an adhesion between a magnetic head and a magnetic disk. 4,833,550, 5-23-89, Cl. 360-75.000.
Takizawa, Yoshinori; and Nakamura, Takahiro, to Kabushiki Kaisha Toshiba. Spatial frequency filter. 4,807,981, 2-28-89, Cl. 350-404.000.
Takizawa, Yoshio: *See—*
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,824,530, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,826,578, Cl. 204-26.000.
Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,879,185, Cl. 428-687.000.
Matsubara, Akitoshi; Ikeuchi, Satoru; Akimoto, Kunio; and Takizawa, Yoshio, 4,795,689, Cl. 430-99.000.
Yoshida, Takeshi; Takizawa, Yoshio; and Sekine, Ichiro, 4,861,550, Cl. 420-460.000.
Takizawa, Yoshiro: *See—*
Saito, Keiji; Takizawa, Yoshiro; and Takagi, Isao, 4,798,704, Cl. 422-99.000.
Takizuka, Norikazu: *See—*
Nagura, Osamu; Inoue, Osamu; Kamikuri, Yoshimasa; and Takizuka, Norikazu, 4,839,406, Cl. 524-196.000.
Takke, Wilhelm, to Max Kammerer GmbH. Spherical head coupling for Bowden cables. 4,815,883, 3-28-89, Cl. 403-24.000.
Takman, Olle, to AB Volvo. Heating apparatus for heating confined spaces, particularly apparatus for heating the passenger compartments of an automotive vehicle and the like. 4,828,170, 5-9-89, Cl. 237-12.30C.

Takokoro, Akio: *See—*
Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa. 4,865,888, Cl. 427-443.100.
Takoriants, Mateos P.: *See—*
Bozhko, Valery P.; Losev, Alexei V.; Takoriants, Mateos P.; Pleshkov, Viktor I.; Strizhenko, Vitaly E.; Levityansky, Ivan A.; Filippov, Boris L.; and Kononenko, Tamara I., 4,802,654, Cl. 266-51.000.
Taku, Masakazu: *See—*
Tamamura, Hideo; and Taku, Masakazu, 4,860,040, Cl. 354-170.000.
Takubo, Hiroichi; Isayama, Kazuo; and Yamashita, Syoji, to Mazda Motor Corporation. Balancer shafts for use in multicylinder engines. 4,819,505, 4-11-89, Cl. 74-603.000.
Takubo, Takayasu: *See—*
Tsumori, Yukihisa; and Takubo, Takayasu, 4,846,592, Cl. 384-473.000.
Takubo, Toyokazu; and Fujii, Atsushi, to Idemitsu Petrochemical Co., Ltd. Process of producing thermoplastic resin sheet and equipment therefor. 4,863,653, 9-5-89, Cl. 264-40.700.
Takubo, Toyokazu: *See—*
Funaki, Akira; and Takubo, Toyokazu, 4,867,927, Cl. 264-180.000.
Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobue; Fujii, Eiji; and Okinaka, Hideyuki, to Matsushita Electric Industrial Co., Ltd. Display apparatus. 4,801,932, 1-31-89, Cl. 340-783.000.
Takuji, Satoh: *See—*
Yokokura, Takashi; Gemma, Takashi; and Takuji, Satoh, 4,848,907, Cl. 356-347.000.
Takuma, Keisuke; Kuroda, Sizuo; Oyama, Tsukasa; and Aiga, Hiroshi, to Mitsui Toatsu Chemicals, Incorporated. Dichroic coloring agents for liquid crystal displays. 4,883,611, 11-28-89, Cl. 552-235.000.
Takuma, Masao; and Kawakami, Kiyotada, to Sanyo Electric Co., Ltd. Image sensing apparatus having function of automatically matching focus and exposure in response to video signal. 4,833,541, 5-23-89, Cl. 358-227.000.
Takuma, Michio, to Texas Instruments Incorporated. Constant-voltage regulated power supply circuit. 4,810,948, 3-7-89, Cl. 323-280.000.
Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, to Hitachi Cable Limited. Polarized wave preserving fiber. 4,818,047, 4-4-89, Cl. 350-96.330.
Takuma, Yuuetsu: *See—*
Kajioka, Hiroshi; Yamada, Koudo; Takuma, Yuuetsu; and Teraoka, Tatsuo, 4,859,223, Cl. 65-3.120.
Takuno, Masami: *See—*
Matsubara, Mamoru; and Takuno, Masami, 4,819,342, Cl. 34-95.000.
Takusagawa, Takashi: *See—*
Iwata, Norio; Nakamura, Masao; and Takusagawa, Takashi, 4,842,682, Cl. 156-130.000.
Takusagawa, Teruhiko: *See—*
Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
Takuwa, Toshiaki: *See—*
Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,781, Cl. 219-137.710.
Takuya, Kakuta: *See—*
Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,844,728, Cl. 71-92.000.
Takvorian, Lawrence K., to Ceradyne, Inc. Method for soldering void-free joints. 4,860,942, 8-29-89, Cl. 228-220.000.
Tal, Reuven: *See—*
Hirsch, Eitan; Gutmann, Alexander; Schwartz, Ana; Goren, Eliezer; Perlmuter, Nikolai; and Tal, Reuven, 4,854,240, Cl. 102-476.000.
Talacek, Josef: *See—*
Busche, Alan C.; Talacek, Josef; and Wellard, Ronald G., 4,796,288, Cl. 379-433.000.
Talalay, Anselm; and Borsvold, Herbert H., to Laudy, Roger; and U.S. Printcraft. Decal transfer device. 4,874,454, 10-17-89, Cl. 156-359.000.
Talalay, Paul: *See—*
Payne, Donna W.; and Talalay, Paul, 4,874,696, Cl. 435-26.000.
Talamantez, Manuel: *See—*
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Talan, Mohd. F., to Ormco Corporation. Orthodontic arch wire. 4,869,666, 9-26-89, Cl. 433-20.000.
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Talbot, Marc D.: *See—*
Borst, Nico; Talbot, Marc D.; and Scott, James D., 4,882,027, Cl. 204-286.000.
Talbot, Mark D.: *See—*
Flugstad, Ben; Fried, Raymond L.; Hedge, Alan; McJunkin, Barton L.; and Talbot, Mark D., 4,810,977, Cl. 332-19.000.
Ives, Fred H.; Dickerson, Robert T.; Dickerson, William J.; McNamee, Michael D.; and Talbot, Mark D., 4,806,881, Cl. 332-22.000.
Talbot, Richard, to Stewart Hughes Limited. Detector device for a blade tracking system having two sensors. 4,812,643, 3-14-89, Cl. 250-222.100.
Talend, Donald R., to Corcom, Inc. Electrical contact plug with a metal housing. 4,863,401, 9-5-89, Cl. 439-610.000.
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Taleyarkhan, Rusi P., to Westinghouse Electric Corp. BWR fuel assembly mini-bundle having interior fuel rods of reduced diameter. 4,818,478, 4-4-89, Cl. 376-435.000.
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Thomson, Ronald M.; and Taleyarkhan, Rusi P., 4,818,471, Cl. 376-254.000.
Taliaferro, Sam W. Method and apparatus having load cell responsive to movement of a magnetic field generator for differentiating between materials. 4,866,383, 9-12-89, Cl. 324-228.000.
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Tessier, Jean; Demoute, Jean-Pierre; and Taliani, Laurent, 4,798,901, Cl. 548-562.000.
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Fergason, James L.; and Parker, Robert, 4,824,208, Cl. 350-276.0SL.
Fergason, James L.; and Parker, Robert, 4,832,458, Cl. 350-338.000.
McLaughlin, Charles W.; Fergason, James L.; and Paker, Robert, 4,806,922, Cl. 340-784.000.
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Nordholm, Ken; and Eyers, Bud, 4,884,067, Cl. 340-686.000.
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Guffey, Timothy B.; Abe, Susan S.; Talkington, Sherry R.; and Mijac, Marko D., 4,880,657, Cl. 426-601.000.
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Ekander, Hans; Ericson, Clas; Tallback, Gote; Tinoco, Hernan; and Ostrom, Staffan, 4,820,342, Cl. 75-10.650.
Tallent, C. Ray: *See—*
Cook, C. Edgar; Tallent, C. Ray; Reel, Jerry R.; and Wani, Mansukh C., 4,861,763, Cl. 514-172.000.
Tallent, Claude E. Awards showcase. 4,831,754, 5-23-89, Cl. 40-152.000.
Taller, Robert A.; and McGary, Charles W., Jr., to Deseret Medical Inc. Process for preparation of polyurethane condoms. 4,817,593, 4-4-89, Cl. 128-844.000.
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Guardiola, Agustin D., 4,819,749, Cl. 177-25.180.
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Cuevas, Jess, 4,865,635, Cl. 55-276.000.
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Talley, Clifford L.: *See—*
Blackwell, Henry W.; Talley, Clifford L.; and Lacy, Rodger D., 4,830,103, Cl. 166-387.000.
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Tallis, John R., Jr., to Facet Enterprises, Inc. Engine starter gearing. 4,843,897, 7-4-89, Cl. 74-6.000.
Tallman, Gary C. Sign sandblasting method. 4,828,893, 5-9-89, Cl. 428-40.000.
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Tallman, James L., to Tektronix, Inc. Method and apparatus for determining internal status of a processor. 4,813,009, 3-14-89, Cl. 364-900.000.
Tallman, William R.; McDevitt, Steven C.; and Delancey, Warren H., to Yukon Energy Corporation. Power burner-fluid condensing mode furnace. 4,860,725, 8-29-89, Cl. 126-110.00R.
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Brommer, Gerrit; Van Herwijnen, Arend; Talma, Cornelis J.; and Veenstra, Herbert E. V., 4,827,381, Cl. 361-531.000.

Talmadge, Paul C.; and Brooks, David H., to Pitney Bowes Inc. Data storage device coupled to a data storage interface. 4,802,027, 1-31-89, Cl. 360-60.000.

Talmadge, Paul C.; and Brooks, David H., to Pitney Bowes Inc. Apparatus for receiving and securely retaining a device. 4,807,059, 2-21-89, Cl. 360-60.000.

Talmadge, Paul C., to Pitney Bowes Inc. Secure metering device storage vault for a value printing system. 4,809,185, 2-28-89, Cl. 364-464.020.

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Talmage, John E., Jr.; and Gibson, William A., to Elographics, Inc. Touch sensitive device with increased linearity. 4,797,514, 1-10-89, Cl. 178-18.000.

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Talmor, Shlomo S., to Harris Corporation. Resistance measuring ohms converter circuit employing a constant current source. 4,808,914, 2-28-89, Cl. 324-62.000.

Talonen, Timo T.; I Poijarvi, Jaakko T.; and Metsarinta, Maija-Leena, to Outokumpu Oy. Method for removing the sulphur content of a weak gas containing sulfur dioxide. 4,861,577, 8-29-89, Cl. 423-577.000.

Talonn, Daniel A., to Sherwood Medical Company. Auto-flush syringe pump. 4,857,056, 8-15-89, Cl. 604-135.000.

Talpaert-Borle, Myriam; and Liuzzi, Michel, to Europaische Atomgemeinschaft. Process for directly determining apurinic and apyrimidinic sites in DNA. 4,863,847, 9-5-89, Cl. 435-6.000.

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Taltronics Corporation: *See—*
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McClees, David L.; McClees, John S., Jr.; and McConnell, Michael P., 4,879,768, Cl. 2-268.000.

Talwar, Anil K.; and Warywoda, Joseph, to Amphenol Corporation. Electrical connector having multi-position housing. 4,878,849, 11-7-89, Cl. 439-79.000.

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Tam, Aloysius T.; and Threewitt, N. Bruce, to Advanced Micro Devices, Inc. Integrated electronic memory circuit with internal timing and operable in both latch-based and register-based systems. 4,825,416, 4-25-89, Cl. 365-194.000.

Tam Ceramics, Inc.: *See—*
Campbell, John S.; Baker, Brian N.; and Katyal, Anil, 4,840,774, Cl. 423-79.000.
Chu, Michael S. H., 4,816,430, Cl. 501-137.000.
Chu, Mike S. H.; Hodgkins, Charles E.; and Dean, Terence C., 4,882,305, Cl. 501-138.000.

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TAM International, Inc.: *See—*
Stokley, Charles O.; and Sanford, Lawrence, 4,823,882, Cl. 166-387.000.

Tam, Kwok C., to General Electric Company. Ultrasound characterization of 3-dimensional flaws. 4,866,614, 9-12-89, Cl. 364-413.250.

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Tang, Daniel N.; Choksi, Himanshu; Wang, Simon; and Tam, Simon M., 4,806,202, Cl. 156-657.000.

Tam, Steve; Weigele, Manfred; Broger, Samuel; and Mitsuya, Hiroaki, to Hoffmann-La Roche Inc., and United States of America, America. Anti-retroviral compounds. 4,837,311, 6-6-89, Cl. 536-22.000.

Tam, Wilson: *See—*
Anderson, Albert G.; Eaton, David F.; Tam, Wilson; and Wang, Ying, 4,818,898, Cl. 307-427.000.

Tam, Wing Y.; Horsthemke, Werner; McCormick, William D.; and Swinney, Harry L., to Board of Regents/The University of Texas System. Two-dimensional uniformly fed unstirred chemical reactor. 4,832,914, 5-23-89, Cl. 422-130.000.

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Cho, Toshitsura; and Yoshizako, Mamoru, 4,806,329, Cl. 423-339.000.
Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, 4,873,120, Cl. 427-64.000.

Tama, Mario: *See—*
Sommer, Richard A.; Havas, George; Tama, Mario; and Allen, Clayton H., 4,807,559, Cl. 118-63.000.

Tamabuchi, Hiroshi, to Sunstar Kabushiki Kaisha. Emulsion cosmetic stably containing vitamin C. 4,818,521, 4-4-89, Cl. 424-62.000.

Tamada, Atsushi: *See—*
Muraoka, Yusuke; Tamada, Atsushi; Sakai, Takamasa; Haibara, Hitoshi; and Nakagawa, Keiji, 4,849,608, Cl. 219-390.000.

Tamada, Haruo: *See—*
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,827,327, Cl. 357-71.000.
Miyauchi, Akira; Nishimoto, Hiroshi; Okiyama, Tadashi; Kitasagami, Hiroo; Sugimoto, Masahiro; Tamada, Haruo; and Emori, Shinji, 4,875,087, Cl. 357-71.000.

Tamada, Kazukiyo; Horio, Motohiko; and Sato, Kiyotaka, to Fuji Photo Film Co., Ltd. Method of controlling diaphragm driving in electronic still camera and device therefor. 4,806,964, 2-21-89, Cl. 354-452.000.

Tamada, Kazukiyo, to Fuji Photo Film Co., Ltd. Apparatus for regulating the force rendered to a magnetic disc by a magnetic head in a rotary magnetic disc device. 4,853,806, 8-1-89, Cl. 360-99.060.

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Kato, Akira; Ikuta, Terukuni; and Tamada, Masamichi, 4,822,384, Cl. 55-158.000.

Tamada, Masuo; Tanaka, Tsutomu; and Matsuoka, Hideo, to Kabushiki Kaisha Toshiba. Admission control system having a transponder actuated by an inquiry signal. 4,822,990, 4-18-89, Cl. 235-4[illegible]2.000.

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Tamada, Shigeharu; Fujioka, Takafumi; Ogawa, Hidenori; Teramoto, Shuji; and Kondo, Kazumi, to Otsuka Pharmaceutical Co., Ltd. Carbostyril derivatives and salts thereof. 4,886,809, 12-12-89, Cl. 514-312.000.

Tamae, Hiroaki; and Ashizaki, Yoshihiro, to Matsushita Electric Industrial Co., Ltd. Brushless motor having phase advance. 4,818,908, 4-4-89, Cl. 310-171.000.

Tamagawa, Hiroshi: *See—*
Ito, Yoshito; Miyake, Hideyo; and Tamagawa, Hiroshi, 4,827,993, Cl. 141-83.000.

Tamagawa, Itaru: *See—*
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Tamagawa Seiki Kabushiki Kaisha: *See—*
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Kitazawa, Hisasi, 4,795,901, Cl. 250-231.0SE.
Sugiura, Tsuneo; and Nakata, Tomio, 4,820,951, Cl. 310-257.000.
Takaba, Yosuke, 4,839,552, Cl. 310-268.000.
Watanabe, Tooru; and Shimizu, Minoru, 4,833,374, Cl. 318-254.000.
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Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, to Fuji Photo Film Co. Ltd. Heat-sensitive recording paper. 4,800,192, 1-24-89, Cl. 503-200.000.

Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, to Fuji Photo Film Co. Ltd. Heat-sensitive recording paper. 4,803,191, 2-7-89, Cl. 503-200.000.

Tamagawa, Shigehisa; and Kuroishi, Masayuki, to Fuji Photo Film Co. Ltd. Light-sensitive material comprising light-sensitive layer provided on a paper support having a smooth surface on both sides. 4,814,252, 3-21-89, Cl. 430-138.000.

Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, to Fuji Photo Film Co. Ltd. Support for photographic paper. 4,830,928, 5-16-89, Cl. 428-511.000.

Tamagawa, Shigehisa; and Fuchizawa, Tetsuro, to Fuji Photo Film Co. Ltd. Photographic support. 4,859,577, 8-22-89, Cl. 430-538.000.

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Tamai, Hidefumi, to Isuzu Motors Limited. Power supply control device for automotive electronic control system. 4,807,135, 2-21-89, Cl. 364-424.050.

Tamai, Hideki, to NEC Corporation. Magnetic recording medium having perpendicular magnetic anisotropy. 4,840,845, 6-20-89, Cl. 428-336.000.

Tamai, Hideo: *See—*
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Tamai, Shinzo: *See—*
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Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Inc. High-temperature adhesive polyimide from 2,2-bis[4-(3-amino phenoxy)phenyl]1,1,1,3,3,3-hexafluoro propane. 4,795,798, 1-3-89, Cl. 528-185.000.

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Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kunio, 4,839,232, Cl. 428-473.500.
Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.
Ohta, Masahiro; Kawashima, Saburo; Snobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, 4,883,718, Cl. 428-458.000.
Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.

Tamai, Yasuo: *See—*
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Ogawa, Hiroshi; Mizuno, Chiaki; and Tamai, Yasuo, 4,803,120, Cl. 428-323.000.
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Tamai, Yoshin: *See—*
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Tamaki, Akihiro: *See—*
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Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,871,875, Cl. 564-402.000.

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Tamaki, Hajime: *See—*
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Tamaki, Kiyohide: *See—*
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Tamaki, Kiyoshi; Kudoh, Koichi; Etoh, Yoshihiko; and Takei, Yoshiaki, to Konica Corporation. Image forming method. 4,888,262, 12-19-89, Cl. 430-58.000.

Tamaki, Kiyoshi: *See—*
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Tamaki, Masaru: *See—*
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Tamaki, Nobuo; Okuyama, Masayoshi; Ida, Yasushi; and Yamada, Toru, to Casio Computer Co., Ltd. Compact measuring apparatus capable of measuring two different data with a single pressure sensor. 4,835,716, 5-30-89, Cl. 364-558.000.

Tamaki, Reiji: *See—*
Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, 4,884,120, Cl. 357-68.000.

Tamaki, Satoshi; Kitagawa, Masaru; Tsuda, Hirokazu; Nishizawa, Susumu; Kakeya, Nobuhara; and Kitao, Kazuhiko, to Kyoto Pharmaceutical Industries, Ltd. Cromoglycic acid derivatives, method of production thereof and pharmaceutical composition. 4,847,286, 7-11-89, Cl. 514-456.000.

Tamaki, Shigenori; Machizuki, Hiroyuki; Kobayashi, Nobuo; Iwase, Takahiro; and Masuda, Naofumi, to Toyota Jidosha Kabushiki Kaisha. Method for coating metal part with synthetic resin. 4,806,387, 2-21-89, Cl. 427-46.000.

Tamaki, Shigenori: *See—*
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Tamaki, Sigeo; and Ishizawa, Isamu, to Hitachi, Ltd. Motor-driven throttle valve assembly. 4,809,659, 3-7-89, Cl. 123-399.000.

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Yanagisawa, Shozo; Tamaki, Sigeo; and Ishizawa, Isamu, 4,840,146, Cl. 123-52.0MB.

Tamaki, Takasi: *See—*
Murakami, Kazuo; Kaneko, Yasutoshi; and Tamaki, Takasi, 4,873,905, Cl. 84-20.000.

Tamaki, Tokuhiko; and Kubota, Masafumi, to Matsushita Electric Industrial Co., Ltd. Method of fabricating semiconductor device. 4,845,048, 7-4-89, Cl. 437-62.000.

Tamaki, Toshitaka: *See—*
Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.

Tamaki, Yoichi: *See—*
Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, 4,853,343, Cl. 437-33.000.

Tamaki, Yoji; Kino, Takuya; Ito, Takashi; and Nakamura, Akihiko, to Pokka Corporation; and NGK Insulators, Ltd. Coffee beans roasting device. 4,860,461, 8-29-89, Cl. 34-68.000.

Tamaki, Yoshiko: *See—*
Inagami, Yasuhiro; Nakagawa, Takayuki; Tamaki, Yoshiko; and Nagashima, Shigeo, 4,881,168, Cl. 364-200.000.

Tamakoshi, Masashi; Suzuki, Toshiro; and Takatori, Hiroshi, to Hitachi, Ltd. Semiconductor integrated circuit forming a switched capacitor filter. 4,835,482, 5-30-89, Cl. 328-167.000.

Tamamori, Hideo, to Nippon Air Brake Co., Ltd. Railway car pressure control valves. 4,883,089, 11-28-89, Cl. 137-596.180.

Tamamoto, Hideo: *See—*
Inoue, Masashi; Satoh, Hiroshi; and Tamamoto, Hideo, 4,850,510, Cl. 221-131.000.

Tamamura, Hideo; and Taku, Masakazu, to Canon Kabushiki Kaisha. Camera. 4,860,040, 8-22-89, Cl. 354-170.000.

Tamamura, Hideo: *See—*
Maeno, Hiroshi; and Tamamura, Hideo, 4,803,504, Cl. 354-64.000.
Maeno, Hiroshi; and Tamamura, Hideo, 4,811,039, Cl. 354-64.000.

Tamamura, Hisashi, to Sony-Tektronix Corporation. Apparatus for measuring characteristics of electronic devices. 4,818,934, 4-4-89, Cl. 324-158.00T.

Tamamura, Sadao: *See—*
Kojima, Yasuhiko; and Tamamura, Sadao, 4,871,540, Cl. 424-195.100.

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Tamamushi, Takashige: *See—*
Nishizawa, Jun-ichi; Tamamushi, Takashige; and Nonaka, Kenichi, 4,866,500, Cl. 357-38.000.

Tamano, Satoshi; Ito, Yukio; Kishimoto, Shinji; and Sato, Yutaka, to Hitachi Medical Corp. Ultrasonic diagnosis apparatus. 4,830,016, 5-16-89, Cl. 128-661.090.

Tamano, Satoshi: *See—*
Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,840,180, Cl. 128-661.080.
Ito, Yukio; Sato, Yutaka; Kishimoto, Shinji; and Tamano, Satoshi, 4,850,366, Cl. 128-661.080.
Sugiyama, Takashi; Tamano, Satoshi; and Ito, Yukio, 4,817,619, Cl. 128-661.090.

Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, to Japan Tobacco Inc.; and DAI Nippon Printing Co., Ltd. Easily breakable plastic capsule and a water filter for a cigarette using the same. 4,865,056, 9-12-89, Cl. 131-337.000.

Tamaoki, Hidetsune: *See—*
Inaoka, Yoshinori; Takahashi, Shuji; Tamaoki, Hidetsune; and Enokita, Ryuzo, 4,804,676, Cl. 514-423.000.

Tamaoki, Ryokichi, to Funaki, Pitsuko; Funaki, Izuna; and Funaki, Ayano, part interest to each. Telephone card and telephone card-operated telephone. 4,868,849, 9-19-89, Cl. 379-357.000.
Tamaoki, Yoshikatsu: *See—*
Nishizawa, Junichi; and Tamaoki, Yoshikatsu, 4,831,504, Cl. 362-100.000.
Tamargo, Francisco A.: *See—*
Menendez, Francisco J. S.; Menendez, Fernando M. S.; De La Cuadra Herrera, Antonio; Tamargo, Francisco A.; Lorenzo, Luis P.; Valcarcel, Matias R.; and Fernandez, Vicente A., 4,886,648, Cl. 423-92.000.
Tamari, Nobuyuki: *See—*
Ebata, Yoshihiro; Kouyama, Masanori; Tamari, Nobuyuki; and Kawamoto, Takamichi, 4,857,486, Cl. 501-21.000.
Tamaris, Jury I.: *See—*
Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.
Tamaru, Akio; and Izumisawa, Yoshiaki, to Mitsubishi Chemical Industries Limited. Process for preparing terephthalic acid of high quality. 4,877,900, 10-31-89, Cl. 562-413.000.
Tamaru, Hideshi, to Sony Corporation. Touch panel apparatus. 4,886,479, 12-19-89, Cl. 250-221.000.
Tamaru, Hisashi: *See—*
Fukuoka, Kohei; Takemura, Satoshi; Takesue, Yatao; and Tamaru, Hisashi, 4,802,164, Cl. 371-16.000.
Tamaru, Sinji; and Kubo, Motonobu, to Daikin Industries, Ltd. Tricyclodecane derivative. 4,841,005, 6-20-89, Cl. 526-245.000.
Tamaru, Sinji; and Kubo, Motonobu, to Daikin Industries, Ltd. Aromatic dicarboxylic acid diallyl ester derivative, prepolymer derived from the derivative and curable resin composition containing the derivative. 4,841,093, 6-20-89, Cl. 560-65.000.
Tamaru, Sinji; Kubo, Motonobu; and Kashiwagi, Masato, to Daikin Industries, Ltd. Fluorine-containing novolak resin and derivative thereof. 4,877,859, 10-31-89, Cl. 528-129.000.
Tamaru, Takuya, to Yamaha Corporation. Disc case having removable disc and sub-turntable. 4,821,124, 4-11-89, Cl. 360-133.000.
Tamaru, Takuya; and Fushiki, Tatsuo, to Yamaha Corporation. Vibration imparted focus search devices in an optical type disc playback device. 4,866,690, 9-12-89, Cl. 369-45.000.
Tamary, Ernest J., to Eastman Kodak Company. Skive with anti-gouge stiffener. 4,796,880, 1-10-89, Cl. 271-311.000.
Tamase, Fuminobu: *See—*
Shimura, Toshio; Yamada, Masahiko; Ishii, Yoshiteru; and Tamase, Fuminobu, 4,843,637, Cl. 455-200.000.
Tamashima, Atsuzo: *See—*
Masujima, Sho; Yagi, Hiroshi; Kamoshida, Masakazu; and Tamashima, Atsuzo, 4,829,663, Cl. 29-840.000.
Masujima, Sho; Yagi, Hiroshi; Tamashima, Atsuzo; and Tamashima, Jun, 4,873,397, Cl. 174-117.00A.
Yagi, Hiroshi; and Tamashima, Atsuzo, 4,834,794, Cl. 75-255.000.
Tamashima, Jun: *See—*
Masujima, Sho; Yagi, Hiroshi; Tamashima, Atsuzo; and Tamashima, Jun, 4,873,397, Cl. 174-117.00A.
Tamasi, Piroska: *See—*
Kekesi, Sandor; Tamasi, Piroska; Pal, Veronika; Jancso, Sandor; Kristof nee Szvitil, Ilona; Bacsa, Gyorgy; and Kovacs nee Hadady, Katalin, 4,803,069, Cl. 424-74.000.
Tamasiunas, Charles: *See—*
Gudenau, Ronald A.; and Tamasiunas, Charles, 4,869,300, Cl. 141-59.000.
Tamata, Shin: *See—*
Mizuno, Hiroko; Kikuchi, Makoto; Tamata, Shin; Izumida, Tatsuo; and Baba, Tsutomu, 4,804,498, Cl. 252-628.000.
Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, to Mitsui Toatsu Chemicals, Inc. Additive for stock feeds, stock feed containing additive, and process for preparation of additive. 4,865,852, 9-12-89, Cl. 426-2.000.
Tamatani, Masaaki: *See—*
Matsuda, Naotoshi; Tamatani, Masaaki; and Yokota, Kazuto, 4,863,882, Cl. 501-94.000.
Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,882, Cl. 313-468.000.
Tamatsu, Kiyomi: *See—*
Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.
Tamaura, Yutaka: *See—*
Inada, Yuji; Tamaura, Yutaka; and Takahashi, Katsunobu, 4,814,098, Cl. 252-62.510.
Oishi, Masao; Saito, Takao; Ishikawa, Katsukiyo; Abe, Masanori; and Tamaura, Yutaka, 4,837,046, Cl. 427-38.000.
Tamazawa, Tsuyoshi: *See—*
Hayashi, Yoshimasa; and Tamazawa, Tsuyoshi, 4,878,469, Cl. 123-195.00A.
Tamazumi, Hitoshi: *See—*
Mori, Tetsuya; and Tamazumi, Hitoshi, 4,800,655, Cl. 34-77.000.
Tamba, Alberto; Fioravanti, Silverio; and Scaccia, Antonio, to Centro Sviluppo Materiali S.p.A. Non precious nickel based chromium containing alloy for dental prostheses. 4,812,288, 3-14-89, Cl. 420-443.000.
Tamba, Shinichi; and Fukui, Noboru, to Kawasaki Jukogyo Kabushiki Kaisha. Method for manufacturing a case having multiple walls. 4,801,343, 1-31-89, Cl. 156-69.000.
Tamba, Shinichi; and Miyake, Hitomi, to Kawasaki Jukogyo Kabushiki Kaisha. Cylinder block construction for V-type engines. 4,873,945, 10-17-89, Cl. 123-55.00R.
Tamba, Shinichi: *See—*
Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.
Fujikawa, Tetsuzo; Hirata, Makizo; and Tamba, Shinichi, 4,889,089, Cl. 123-195.0HC.
Tambini, Angelo, to SPS Technologies, Inc. Torque and angular displacement sensing in yield threshold controlled wrenches. 4,823,616, 4-25-89, Cl. 73-862.230.
Tamblyn, Charles C.; and Forde, Philip L., to American & Overseas Corporation. Retractable truck bed cover apparatus. 4,889,381, 12-26-89, Cl. 296-98.000.
Tamborini, Giovanni: *See—*
Cavalleri, Bruno; Turconi, Marco; and Tamborini, Giovanni, 4,880,789, Cl. 514-182.000.
Tambrands Inc.: *See—*
Kajander, Richard E., 4,822,332, Cl. 604-16.000.
Sanders, Irl R., III, 4,846,802, Cl. 604-15.000.
Tamby Chemical Corp.: *See—*
Becker, Jerome; and Connolly, Robert E., 4,805,340, Cl. 43-58.000.
Tame, Omar D., to Hoover Universal, Inc. Remote release and pull-down unit. 4,796,932, 1-10-89, Cl. 292-112.000.
Tamehiro, Hiroshi: *See—*
Nishioka, Koyoshi; Tamehiro, Hiroshi; and Murata, Masahiko, 4,851,052, Cl. 148-2.000.
Tamemasa, Hiroshi; Makino, Hiroshi; and Nagai, Tadao, to Tanaka Kikinzoku Kogyo K.K. Reduction process for preparing copper, silver, and admixed silver-palladium metal particles. 4,863,510, 9-5-89, Cl. 75-0.50A.
Tameran, Inc.: *See—*
Wise, David S.; and Janik, Walter E., 4,860,060, Cl. 355-41.000.
Tames, Joseph: *See—*
Cook, Barry; Richardson, Norman; and Tames, Joseph, 4,828,795, Cl. 422-15.000.
Tamezumi, Yoshiro: *See—*
Sano, Shinichi; Takeuchi, Yasuhito; Tamezumi, Yoshiro; Higashiizumi, Takao; and Kakizawa, Tsuyoshi, 4,803,486, Cl. 340-825.790.
Tamhankar, Satish S.: *See—*
Bandyopadhyay, Nikhiles; Tamhankar, Satish S.; and Kirschner, Mark J., 4,888,037, Cl. 65-32.200.
Tami, Kazuya: *See—*
Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, 4,848,255, Cl. 112-147.000.
Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, 4,854,251, Cl. 112-121.120.
Hiramatsu, Tooru; Tami, Kazuya; and Tobita, Shigeru, 4,803,937, Cl. 112-265.200.
Tamietti, Paulo A. Fast-lowering hydraulic equipment. 4,867,276, 9-19-89, Cl. 182-233.000.
Tamir, Ilana; Kidron, Ben-Zion; Wang, Lynn; and Inbar, Michael, to I.D.L. Int'l Diagnostic Laboratories Ltd. Method for the quantitative determination of lipoprotein components in a body fluid and method for separating lipoproteins from blood. 4,883,765, 11-28-89, Cl. 436-71.000.
Tamir, Shlomo. Method and an arrangement for the treatment and disinfection of swimming and bathing reservoir water using chlorine and ozone. 4,804,478, 2-14-89, Cl. 210-752.000.
Tamitani, Ichiro: *See—*
Harasaki, Hidenobu; Tamitani, Ichiro; and Endo, Yukio, 4,797,740, Cl. 358-136.000.
Tamiya, Toru: *See—*
Matsuda, Tuyoshi; Tamiya, Toru; and Fujisawa, Akihito, 4,852,032, Cl. 364-708.000.
Tamko Asphalt Products, Inc.: *See—*
Jolitz, Randal J.; and Kirk, Donald R., 4,804,696, Cl. 524-68.000.
Tamler, Horst; Tappe, Wilhelm; and Kopineck, Hermann-Josef, to Hoechst Stahl Aktiengesellschaft. Method and apparatus for roll gap measurement and control. 4,821,544, 4-18-89, Cl. 72-16.000.
Tamm, James R.: *See—*
Nankee, Robert J., II; Frantz, Douglas C.; Tamm, James R.; and Gutermuth, Terry R., 4,821,701, Cl. 123-520.000.
Tamm, Paul W.: *See—*
Van Leirsburg, Dean A.; Mohr, Donald H.; Tamm, Paul W.; Jacobson, Robert L.; Hughes, Thomas R.; and Wilson, Charles R., 4,851,380, Cl. 502-37.000.
Tamm, Rolf; and Christian, Gerhard, to Bodenseewerk Perkin-Elmer & Co., GmbH. Electrical contacts for supplying heating current to an electrothermal atomizer. 4,834,536, 5-30-89, Cl. 356-312.000.
Tamm, Yaan V.: *See—*
Tjumanok, Alexei N.; Tamm, Yaan V.; Saul, Andres I.; and Loopere, Valdeko V., 4,813,619, Cl. 241-80.000.
Tamminen, Pentti J. Alkaline cell battery and method for manufacture thereof. 4,816,354, 3-28-89, Cl. 429-162.000.
Tamminen, Pentti J. Alkalline cell battery and method for manufacture thereof. 4,887,348, 12-19-89, Cl. 29-623.200.
Tammisalo, Erkki: *See—*
Kinanen, Ilmari; Kanerva, Heikki; and Tammisalo, Erkki, 4,852,134, Cl. 378-38.000.
Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Burnett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., to Philip Morris Incorporated. Method and apparatus for drying and cooling extruded tobacco-containing material. 4,874,000, 10-17-89, Cl. 131-375.000.

Tamoto, Katsumi; Ohuchi, Renzo; and Ono, Keiichi, to Sumitomo Pharmaceuticals Company, Ltd. Pyrrolidine derivatives having inhibitory action for proline specific endopepidase. 4,880,827, 11-14-89, Cl. 514-423.000.
Tamoto, Koji; and Ono, Mitsunori, to Fuji Photo Film Co., Ltd. Silver halide color photographic light-sensitive material containing a coupler having a dye moiety. 4,857,447, 8-15-89, Cl. 430-544.000.
Tamoto, Koji: *See—*
Okamura, Hisashi; Kobayashi, Hidetoshi; Nishikawa, Toshihiro; and Tamoto, Koji, 4,863,841, Cl. 430-555.000.
Ono, Mitsunori; Tamoto, Koji; Mihayashi, Keiji; Ichijima, Seiji; Itoh, Isamu; and Nakamura, Yoshisada, 4,842,985, Cl. 430-226.000.
Sato, Shingo; Nakamura, Yoshisada; and Tamoto, Koji, 4,824,773, Cl. 430-557.000.
Tamoto, Sadaharu, to Yutaka Electric Mfg. Co., Ltd. Stabilized power supply unit. 4,823,247, 4-18-89, Cl. 363-16.000.
Tamotsu, Miura: *See—*
Kishi, Toshiaki; and Tamotsu, Miura, 4,815,555, Cl. 180-227.000.
Tamotu, Simadu; Kambara, Hideki; Harada, Yoshinori; Watanabe, Kenichi; and Tokita, Jiro, to Hitachi, Ltd. Apparatus for determining base sequence of nucleic acid. 4,830,830, 5-16-89, Cl. 422-71.000.
Tampa Electric Company: *See—*
Colley, James D., 4,876,076, Cl. 423-242.000.
Tampa G Manufacturing Co.: *See—*
Gerber, Curtis E., 4,795,205, Cl. 296-77.100.
Gerber, Curtis E., 4,846,524, Cl. 296-116.000.
Tamper Corp.: *See—*
Cosford, Stephen G., 4,858,344, Cl. 37-104.000.
Tampoflex GmbH: *See—*
Berberich, Bernd; and Reinhold, Holger, 4,802,565, Cl. 198-345.000.
Tamura, Akihiko: *See—*
Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hideo; and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.
Yazaki, Jinichi; and Tamura, Akihiko, 4,877,662, Cl. 428-36.700.
Tamura, Akira: *See—*
Kazama, Saburo; and Tamura, Akira, 4,875,110, Cl. 360-64.000.
Tamura Electric Works, Ltd.: *See—*
Okumura, Senji; Kobayashi, Yasuo; Sugiura, Ryuzo; and Ikeda, Masatoshi, 4,821,316, Cl. 379-156.000.
Sano, Yoshii; Totsu, Hideo; and Morihisa, Toshiharu, 4,841,563, Cl. 379-150.000.
Sano, Yoshiki; and Tsukada, Masaaki, 4,811,386, Cl. 379-132.000.
Sugiura, Ryuzo; Kanno, Kenichi; and Ojima, Hisami, 4,823,377, Cl. 379-156.000.
Takeda, Toshiaki; Asada, Kazuo; and Eda, Shigehiro, 4,819,261, Cl. 379-27.000.
Tamura, Etsuo: *See—*
Hagiwara, Ippei; Tamura, Etsuo; and Yasumoto, Kazuhiro, 4,814,914, Cl. 360-98.080.
Tamura, Fujio: *See—*
Ochiai, Osamu; and Tamura, Fujio, 4,851,792, Cl. 331-176.000.
Tamura, Fumio: *See—*
Kato, Masayuki; Kato, Shinjiro; and Tamura, Fumio, 4,864,246, Cl. 330-129.000.
Tamura, Gakuzo; Yoda, Koji; Kikuchi, Yasuhiro; and Yamasaki, Makari, to Tamura, Gakuzo. Multiple reading frame *Escherichia coli* expression vectors. 4,849,351, 7-18-89, Cl. 435-68.000.
Tamura, Hidemasa: *See—*
Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,810,484, Cl. 423-598.000.
Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,889,706, Cl. 423-593.000.
Tamura, Hideo; and Shibata, Hisashi, to Mabuchi Motor Co., Ltd. Rotor for miniature motors. 4,833,357, 5-23-89, Cl. 310-221.000.
Tamura, Hideo: *See—*
Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.
Tamura, Hideyuki, to Nissan Motor Company, Limited. Air/fuel ratio control system for internal combustion engine with variable control characteristics depending upon precision level of control parameter data. 4,884,547, 12-5-89, Cl. 123-489.000.
Tamura, Hideyuki: *See—*
Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.
Tamura, Hifumi; Shichi, Hiroyasu; and Umemura, Kaoru, to Hitachi, Ltd. Charged particle beam apparatus. 4,841,143, 6-20-89, Cl. 250-288.000.
Tamura, Hifumi: *See—*
Hosaka, Sumio; and Tamura, Hifumi, 4,835,399, Cl. 250-492.200.
Ikebe, Yoshinori; Tamura, Hifumi; and Izumi, Eiichi, 4,833,331, Cl. 250-440.100.
Tamura, Hiroki: *See—*
Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, 4,875,445, Cl. 123-292.000.
Tamura, Hiroshi; Hiromasa, Shunichiro; and Kondo, Toshio, to Nippondenso Co., Ltd. Electronic fuel injection device. 4,821,726, 4-18-89, Cl. 123-498.000.
Tamura, Hiroshi: *See—*
Akiyoshi, Hideki; Tamura, Hiroshi; Kutami, Atsushi; and Takada, Yoshihiro, 4,837,120, Cl. 430-56.000.
Kurusu, Yasuo; Kan, Kazuma; and Tamura, Hiroshi, 4,870,454, Cl. 355-69.000.
Tamura, Hisao; Tokumitsu, Shuichi; and Tagawa, Yuji, to Ikeda Bussan Co., Ltd. Automotive seat. 4,796,951, 1-10-89, Cl. 297-337.000.
Tamura, Humio: *See—*
Asano, Kiro; Matsudaira, Tadahiro; Tamura, Humio; Suzuki, Toichi; and Wada, Hisayuki, 4,885,290, Cl. 514-182.000.
Tamura, Isojiro: *See—*
Takada, Koji; Miyata, Masaya; and Tamura, Isojiro, 4,859,291, Cl. 204-49.000.
Tamura, Jun ichi; and Takagi, Hiroaki, to Higeta Shoyu Co., Ltd. Polygalactosamine PF-192 and salts thereof. 4,837,313, 6-6-89, Cl. 536-55.100.
Tamura, Junichi; Hara, Kyoichi; Abe, Fumihiko; and Koaizawa, Hisashi, to Furukawa Electric Company, Ltd., The. Method of analyzing composition of optical fiber base material to be measured by radioactive rays. 4,884,290, 11-28-89, Cl. 378-83.000.
Tamura, Kaoru; and Aagano, Toshitaka, to Fuji Photo film Co., Ltd. Radiation image recording and read-out apparatus. 4,851,679, 7-25-89, Cl. 250-327.200.
Tamura, Kaoru: *See—*
Arakawa, Satoshi; Hosoi, Yuichi; Takahashi, Kenji; Tamura, Kaoru; and Satome, Shigeru, 4,883,961, Cl. 250-327.200.
Torii, Shumpeita; and Tamura, Kaoru, 4,833,325, Cl. 250-327.200.
Tamura, Katsuhide: *See—*
Ishikawa, Toshimitsu; and Tamura, Katsuhide, 4,817,367, Cl. 53-454.000.
Tamura, Katsumi: *See—*
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,857,802, Cl. 313-506.000.
Fuyama, Moriaki; Tamura, Katsumi; Taguchi, Kazuo; Onisawa, Kenichi; Sato, Akira; Hashimoto, Kenichi; Nakayama, Takahiro; and Abe, Yoshio, 4,877,994, Cl. 313-503.000.
Tamura, Kazufumi: *See—*
Nakamura, Katsumi; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,795, Cl. 29-214.000.
Nakamura, Katsumi; Koide, Shigeyuki; Honda, Norio; Tamura, Kazufumi; and Kobayashi, Akifumi, 4,879,796, Cl. 29-214.000.
Tamura, Keiichi: *See—*
Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,953, Cl. 280-807.000.
Tamura, Kenji; Hashimoto, Hirofumi; Baba, Youichiro; and Inose, Sadao, to Toyota Jidosha Kabushiki Kaisha and Ransburg-Gema K.K. Air atomizing electrostatic coating gun. 4,824,026, 4-25-89, Cl. 239-707.000.
Tamura, Kimio: *See—*
Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio, 4,817,418, Cl. 73-118.100.
Makino, Nobuhiko; Tamura, Kimio; Miyazaki, Hiroharu; Hosoda, Tomohiko; and Nakagawa, Fumio, 4,880,282, Cl. 303-116.000.
Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, to Nissan Motor Co., Ltd. Machine for holding workpiece. 4,831,935, 3-14-89, Cl. 269-34.000.
Tamura, Kohki: *See—*
Kumagai, Teruo; Horiba, Tatsuo; Kamo, Tomoichi; Takeuchi, Seiji; Iwamoto, Kazuo; Kitami, Kunko; and Tamura, Kohki, 4,810,597, Cl. 429-22.000.
Tamura, Kozaburo: *See—*
Kaya, Hiroshi; Tamura, Kozaburo; and Isoda, Takeshi, 4,833,107, Cl. 501-97.000.
Tamura, Makio, to Japan Organo Co., Ltd. Hemopurification apparatus. 4,832,839, 5-23-89, Cl. 210-188.000.
Tamura, Makoto: *See—*
Itaya, Keiji; and Tamura, Makoto, 4,870,464, Cl. 355-282.000.
Kogure, Mitutosi; Nakamura, Yuka; Tamura, Makoto; and Itaya, Keiji, 4,801,968, Cl. 355-3.0FU.
Kogure, Mitutosi; Nakamura, Yuka; and Tamura, Makoto, 4,813,372, Cl. 118-60.000.
Osawa, Shigenobu; Kawaguchi, Taiichi; Tamura, Makoto; and Shinohara, Hideyuki, 4,804,995, Cl. 355-3.0DD.
Tamura, Masafumi; Ichikawa, Ken-ichi; and Kageyama, Satoshi, to Kabushiki Kaisha Toshiba; and Tokyo Kogaku Kikai Kabushiki Kaisha. Method and system for spectacles frame image processing and recording. 4,852,184, 7-25-89, Cl. 382-48.000.
Tamura, Masanobu, to Toyota Jidosha Kabushiki Kaisha. Double air-fuel ratio sensor system having divided-skip function. 4,854,124, 8-8-89, Cl. 60-274.000.
Tamura, Masao: *See—*
Moniwa, Masahiro; Miyao, Masanobu; Shukuri, Shoji; Murakami, Eiichi; Warabisako, Terunori; Tamura, Masao; Natsuaki, Nobuyoshi; Ohyu, Kiyonori; Suzuki, Tadashi; Madokoro, Yuuichi; and Wada, Yasuo, 4,808,546, Cl. 437-41.000.
Tamura, Masaru: *See—*
Kimura, Kiyoshi; Ueda, Fusao; and Tamura, Masaru, 4,874,762, Cl. 514-242.000.
Tamura, Masayuki: *See—*
Hayashi, Kenrou; Oguma, Reiji; and Tamura, Masayuki, 4,888,142, Cl. 264-65.000.
Tamura, Michio: *See—*
Ono, Jun; and Tamura, Michio, 4,844,532, Cl. 296-213.000.

Tamura, Michiya: *See*—
Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
Tamura, Miki: *See*—
Takao, Hideaki; Tamura, Miki; Kamio, Masaru; Murata, Tatsuo; and Sekimura, Nobuyuki, 4,818,075, Cl. 350-339.00F.
Tamura, Minoru; Murakami, Terukiyo; Inoue, Hideaki; and Iwata, Toru, to Nissan Motor Co., Ltd. Engine control system for automotive vehicle. 4,866,618, 9-12-89, Cl. 364-431.030.
Tamura, Minoru; Katayose, Shinji; Murakami, Terukiyo; and Izumi, Hisashi, to Nissan Motor Company, Limited. System and method for electronically controlling a vehicular engine operation having a safe function. 4,879,657, 11-7-89, Cl. 364-431.070.
Tamura, Mitsuhiko; Miyamoto, Masaaki; Ueda, Masaya; and Kamoshida, Eiichi, to Mitsubishi Chemical Industries Limited. Polyamide resin composition. 4,804,720, 2-14-89, Cl. 525-431.000.
Tamura, Mitsuhiko; Miyamoto, Masaaki; and Miyamoto, Kazuo, to Mitsubishi Kasei Corporation. Aromatic polyester/aromatic polycarbonate/alpha-olefin unsaturated carboxylic acid reaction product compositions. 4,840,995, 6-20-89, Cl. 525-133.000.
Tamura, Naoyuki; Kamohara, Hideaki; Kanai, Norio; and Ichihashi, Kazuaki, to Hitachi, Ltd. Molecular beam epitaxy apparatus. 4,810,473, 3-7-89, Cl. 422-247.000.
Tamura, Naoyuki: *See*—
Kobayashi, Yoshinori; Tamura, Naoyuki; Sakai, Takanobu; and Yoshida, Yoshinori, 4,810,556, Cl. 428-152.000.
Tamura, Nobuyasu: *See*—
Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, 4,873,373, Cl. 568-637.000.
Tamura, Satoshi: *See*—
Hasegawa, Masamitsu; Tamura, Satoshi; Wakashima, Takashi; and Sugiyama, Isao, 4,877,678, Cl. 428-216.000.
Tamura, Shigeki, to Fostex Corporation of Japan. Variable resistor. 4,878,040, 10-31-89, Cl. 338-158.000.
Tamura, Shigeru: *See*—
Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.
Tamura, Shinjuro: *See*—
Sasakura, Tadao; Yamazoe, Otohiko; Othuka, Sachio; Ikeda, Tetsuro; Daimon, Masaru; and Tamura, Shinjuro, 4,795,674, Cl. 428-254.000.
Tamura, Shinsuke: *See*—
Tamada, Masu[illegible] Kokuryo, Hitoshi; Tamura, Shinsuke; and Ozaki, Hiroshi, 4,879,[illegible]45, Cl. 364-200.000.
Tamura, Shuichi, to Canon Kabushiki Kaisha. Magnetically driven nutating motor. 4,837,470, 6-6-89, Cl. 310-82.000.
Tamura, Shuichi, to Canon Kabushiki Kaisha. Distance measuring device. 4,874,239, 10-17-89, Cl. 356-4.000.
Tamura, Shuichi, to Canon Kabushiki Kaisha. Rotary power unit. 4,888,515, 12-19-89, Cl. 310-323.000.
Tamura, Shuji: *See*—
Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.
Tamura, Susan Y.; and Asato, Goro, to American Cyanamid Company. 27-Halo derivatives of LL-F28249 compounds. 4,857,544, 8-15-89, Cl. 514-450.000.
Tamura, Susan Y.: *See*—
Asato, Goro; and Tamura, Susan Y., 4,851,428, Cl. 514-450.000.
Asato, Goro; and Tamura, Susan Y., 4,876,272, Cl. 514-450.000.
Asato, Goro; and Tamura, Susan Y., 4,886,828, Cl. 514-450.000.
Asato, Goro; and Tamura, Susan Y., 4,886,829, Cl. 514-450.000.
Asato, Goro; and Tamura, Susan Y., 4,886,830, Cl. 514-450.000.
Tamura, Tadahiko: *See*—
Takami, Masao; Nagahata, Toru; Arita, Masakazu; Shibata, Eigi; and Tamura, Tadahiko, 4,817,697, Cl. 157-13.000.
Tamura, Takahiko; and Suzuki, Hiroyuki, to Sony Corporation. Multi-frequency oscillator circuit. 4,806,883, 2-21-89, Cl. 331-111.000.
Tamura, Takahiro; and Sakurai, Kazuo, to Hitachi, Ltd. Scroll fluid machine with oil feed passages. 4,818,198, 4-4-89, Cl. 418-55.000.
Tamura, Takahiro: *See*—
Sakurai, Kazuo; and Tamura, Takahiro, 4,886,427, Cl. 417-369.000.
Tamura, Takamitsu: *See*—
Akabane, Yasuhiro; Tamura, Takamitsu; and Fujiwara, Masami, 4,820,437, Cl. 252-102.000.
Tamura, Takanori: *See*—
Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
Tamura, Takao: *See*—
Shiraki, Yasushi; and Tamura, Takao, 4,886,933, Cl. 585-522.000.
Tamura, Takashi: *See*—
Ouchi, Yasuhide; Aoi, Hajime; Nishiyama, Nobumasa; Tamura, Takashi; Saitoh, Makoto; and Tsuchiya, Reijiro, 4,823,208, Cl. 360-46.000.
Seo, Yosuke; Hirano, Yoshiyuki; Aoi, Hajime; Tamura, Takashi; and Nakabayashi, Kazuyoshi, 4,851,939, Cl. 360-77.020.
Tamura, Tatsuo: *See*—
Saito, Junichi; Tamura, Tatsuo; Kurahashi, Yoshio; Matsumoto, Noboru; and Yamaguchi, Naoko, 4,804,673, Cl. 514-398.000.
Yamada, Yasuo; Saito, Junichi; Tamura, Tatsuo; and Sakawa, Shinji, 4,857,556, Cl. 514-585.000.
Tamura, Tatsuya; Igarashi, Nobuo; Konno, Sadao; and Nakajima, Hiroyuki, to Hashimoto Forming Industry Co., Ltd. Method of producing molding members. 4,865,796, 9-12-89, Cl. 264-40.700.
Tamura, Tatsuya: *See*—
Kimura, Kaoru; and Tamura, Tatsuya, 4,865,676, Cl. 156-244.120.
Tamura, Tomoyuki: *See*—
Imataki, Hiroyuki; Hiraoka, Mizuho; Tamura, Tomoyuki; and Satoh, Tetsuya, 4,876,042, Cl. 264-39.000.
Tamura, Tooru: *See*—
Nakatani, Yoshio; Tamura, Tooru; Nozu, Mikio; and [illegible] Takahiro, 4,843,520, Cl. 361-395.000.
Tamura, Toru; Chujo, Masaki; and Jinnouchi, Kazuharu, to Aisin Seiki Kabushiki Kaisha. Mechanical supercharger. 4,823,758, 4-25-89, Cl. 123-564.000.
Tamura, Toru; Sunohara, Masaaki; Ito, Akio; and Nakatani, Yoshio, to Matsushita Electric Industrial Co., Ltd. Method of molding plastic and injection compression molding apparatus using elongatable tie bars. 4,849,151, 7-18-89, Cl. 264-294.000.
Tamura, Toshio: *See*—
Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakanishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.
Tamura, Toshiyuki: *See*—
Komori, Shinji; Takata, Hidehiro; Tamura, Toshiyuki; and Asai, Fumiyasu, 4,882,704, Cl. 364-900.000.
Ogawa, Minoru; Sakamoto, Koichiro; Tamura, Toshiyuki; and Katsuumi, Kazushige, 4,827,146, Cl. 250-578.000.
Tamura, Yasuaki; and Mochizuki, Kiyofumi, to Oki Electric Industry Co., Ltd.; and Kokusai Denshin Denwa Co., Ltd. Optical coupler for optical direct amplifier. 4,805,977, 2-21-89, Cl. 350-96.160.
Tamura, Yasuji, to Sanden Corporation. Slip detecting device for apparatus driven by a prime mover. 4,877,118, 10-31-89, Cl. 192-103.00R.
Tamura, Yasuji: *See*—
Hoshino, Seiichi; Tamura, Yasuji; Akabane, Hidemitsu; and Isobe, Toshimi, 4,832,258, Cl. 236-13.000.
Tamura, Yasuyuki: *See*—
Inaba, Yutaka; and Tamura, Yasuyuki, 4,838,652, Cl. 350-331.00R.
Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.
Tamura, Yoshiharu, to NEC Corporation. Temperature stabilized RF detector. 4,820,995, 4-11-89, Cl. 329-204.000.
Tamura, Yoshiharu, to NEC Corporation. Temperature stabilized RF detector. 4,866,396, 9-12-89, Cl. 329-352.000.
Tamura, Yoshiharu: *See*—
Kage, Kouzou; and Tamura, Yoshiharu, 4,810,101, Cl. 375-99.000.
Sasaki, Yutaka; and Tamura, Yoshiharu, 4,850,006, Cl. 379-58.000.
Tamura, Yoshikazu: *See*—
Horiguchi, Masashi; Yakubo, Minoru; Tamura, Yoshikazu; and Ogasawara, Mamoru, 4,853,747, Cl. 355-51.000.
Tamura, Yuji: *See*—
Tanaka, Yasuyuki; Takatsu, Haruyoshi; Takeuchi, Kiyohumi; and Tamura, Yuji, 4,814,523, Cl. 570-129.000.
Tamura, Yukihisa: *See*—
Aizawa, Koichi; Kazama, Toyoki; Takano, Yukio; and Tamura, Yukihisa, 4,837,137, Cl. 430-65.000.
Tamura, Yukitoshi; and Takamatsu, Keiji, to Sumitomo Metal Mining Co., Ltd. Infrared detector. 4,882,491, 11-21-89, Cl. 250-338.300.
Tamura, Yutaka: *See*—
Iwamoto, Hiroshi; Tamura, Yutaka; Mizuno, Yuji; and Yokota, Akihiro, 4,812,916, Cl. 358-289.000.
Tamura, Yuuichi; and Suzuki, Hirayoshi, to Fuji Koki Manufacturing Co., Ltd. Three-function pressure switch. 4,820,890, 4-11-89, Cl. 200-81.400.
Tamura, Zenji; and Sugita, Katsuhiko, to Tsudakoma Kogyo Kabushiki Kaisha. Warp yarn breakage detecting and indicating apparatus. 4,836,252, 6-6-89, Cl. 139-353.000.
Tamura, Zenji; Sakurada, Kenji; and Nakada, Akihiko, to Tsudakoma Corp. Pile warp yarn tension control. 4,884,597, 12-5-89, Cl. 139-102.000.
Tan, Charles M. C., to Hewlett-Packard Company. Apparatus useful for correction of single bit errors in the transmission of data. 4,868,829, 9-19-89, Cl. 371-37.200.
Tan, Cheng; and Jiang, Lihua. Swinging-piston internal-combustion engine. 4,884,532, 12-5-89, Cl. 123-18.00R.
Tan, Domingo K. L. Atomized instant cooling process. 4,813,23[illegible], 3-21-89, Cl. 62-64.000.
Tan, H. Wayne; Tran, Danh C.; and McGreevy, Walter, to Advanced Micro Devices, Inc. Fixture for PGA carriers. 4,803,828, 2-14-89, Cl. 53-390.000.
Tan, Hiroaki; Kato, Koji; Imuta, Junichi; and Kihara, Noriaki, to Mitsui Petrochemical Industries, Ltd. Cyanoguanidine derivative and process for preparation thereof. 4,886,910, 12-12-89, Cl. 564-215.000.
Tan, Hiroaki; Yokoyama, Keiichi; and Kihara, Noriaki, to Mitsui Petrochemical Industries, Ltd. Cyanoguanidine derivative and process for preparation thereof. 4,886,912, 12-12-89, Cl. 564-240.000.

Tan, Hua: *See*—
Ahrens, Thomas J.; and Tan, Hua, 4,863,881, Cl. 501-92.000.
Tan, J. Kie S.; Baker, Jeffrey A.; and Jones, Daniel A., to Critikon, Inc. Pulse oximeter sensor. 4,825,879, 5-2-89, Cl. 128-633.000.
Tan, Josef K. S.; Baker, Jeffrey A.; Beczkiewicz, Pawel J.; and George, John J., to Critikon, Inc. Finger sensor for pulse oximetry system. 4,825,872, 5-2-89, Cl. 128-633.000.
Tan, Kok-Kheng, to Everbloom Biotechnology Ltd. Mushroom cultivation. 4,833,821, 5-30-89, Cl. 47-1.100.
Tan, Michael; Su, Chung-Yi; and Anklam, William J., to Hewlett-Packard Company. Pulse compressor. 4,855,696, 8-8-89, Cl. 333-20.000.
Tan, P. David: *See*—
Hopkins, Ross E.; and Tan, P. David, 4,842,524, Cl. 439-35.000.
Tan, Raul V.: *See*—
Ausschnitt, Christopher P.; McFadden, Edward A.; and Tan, Raul V., 4,890,239, Cl. 364-491.000.
Myers, David W.; Ozarski, Robert G.; Perera, Thiloma I.; Schipper, John F.; Tan, Raul V.; and Watts, Michael P. C., 4,857,738, Cl. 250-372.000.
Watts, Michael P. C.; Perera, Thiloma I.; Myers, David W.; Ozarski, Robert G.; Schipper, John F.; and Tan, Raul V., 4,874,240, Cl. 356-73.000.
Tan, Robert J.: *See*—
Berry, Mark D.; Tan, Robert J.; and Garver, Robert V., 4,875,022, Cl. 3[illegible].
Garver, Robert V.; and Tan, Robert J., 4,864,258, Cl. 333-20.000.
Tan, Shenbiao: *See*—
Juvin, Didier; and Tan, Shenbiao, 4,845,765, Cl. 382-21.000.
Tan, Shiro: *See*—
Sakaguchi, Shinji; and Tan, Shiro, 4,883,739, Cl. 430-192.000.
Tan, William, to Motorola, Inc. Antenna system for a wrist carried paging receiver. 4,873,527, 10-10-89, Cl. 343-718.000.
Tan, Yih-shin: *See*—
Eilert, John H.; Frey, Jeffrey A.; Tan, Yih-shin; and Warnes, James H., 4,809,157, Cl. 364-200.000.
Tana Jyra Ky: *See*—
Sinkkonen, Matti, 4,854,772, Cl. 404-121.000.
Sinkkonen, Matti, 4,861,187, Cl. 404-72.000.
Tanabayashi, Chikara: *See*—
Ohbayashi, Hisashi; Tanabayashi, Chikara; Asaka, Akiyoshi; and Gotou, Yukio, 4,886,656, Cl. 424-10.000.
Tanabe, Akira: *See*—
Nakamura, Motoharu; Ohsawa, Takaaki; Haga, Hirokazu; and Tanabe, Akira, 4,825,807, Cl. 118-672.000.
Tanabe, Daijiro: *See*—
Yokota, Takayoshi; Horiya, Shigekazu; Uno, Sadao; Katayama, Kozo; and Tanabe, Daijiro, 4,856,754, Cl. 249-113.000.
Tanabe, Haruo; Ishida, Masaji; Fujino, Tomoya; and Kurata, Tadahiko, to Omron Tateisi Electronics Co. Checkin gate apparatus. 4,829,167, 5-9-89, Cl. 235-384.000.
Tanabe, Hidemichi: *See*—
Ina, Katsuhiro; Hirabayashi, Yuji; Minami, Kazuaki; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,843,557, Cl. 364-431.770.
Minami, Kazuaki; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; and Tanabe, Hidemichi, 4,825,362, Cl. 364-200.000.
Tanabe, Hideo: *See*—
Kitada, Masahiro; Tanabe, Hideo; Shimizu, Noboru; Kamo, Yoshihisa; Nakamura, Hitoshi; and Takeura, Tooru, 4,814,919, Cl. 360-113.000.
Kitada, Masahiro; Shimizu, Noboru; Tanabe, Hideo; Nakamura, Hitoshi; Kobayashi, Tetsuo; Takeura, Tooru; and Momata, Kazuhiro, 4,841,399, Cl. 360-113.000.
Tanabe, Hirohito; Ohata, Yu; Suzuki, Kazuaki; Miwa, Yukiharu; and Nakayama, Yoshihito, to Kabushiki Kaisha Toshiba. Power MOS-FET with carrier lifetime killer. 4,855,799, 8-8-89, Cl. 357-23.400.
Tanabe, Hisaki; Takagawa, Ryozo; and Umemoto, Hirotoshi, to Nippon Paint Co., Ltd. Resinous composition for coating use, which is excellent in weather resistance and in low temperature curing properties, its preparation and coating composition containing the same. 4,810,758, 3-7-89, Cl. 525-348.000.
Tanabe, Hisaki: *See*—
Umemoto, Hirotoshi; Tanabe, Hisaki; and Nakano, Shinji, 4,829,132, Cl. 525-443.000.
Tanabe, Katuji, to Obara Corporation. Welding cable. 4,855,532, 8-8-89, Cl. 174-15.700.
Tanabe, Katuji, to Obara Corporation. Welding cable. 4,868,348, 9-19-89, Cl. 174-15.700.
Tanabe, Kazunori, to Brother Kogyo Kabushiki Kaisha. Image recording apparatus. 4,849,785, 7-18-89, Cl. 355-202.000.
Tanabe, Kazunori: *See*—
Sonoda, Takakuni; Tanabe, Kazunori; Iwase, Morikazu; Sangyoji, Kazuo; and Kato, Tokunori, 4,884,082, Cl. 346-105.000.
Tanabe, Kazuo: *See*—
Sakurai, Shigeru; Hasuo, Akiho; and Tanabe, Kazuo, 4,795,954, Cl. 318-661.000.
Tanabe, Kiyoshi: *See*—
Saito, Joichi; Wada, Hiroshi; Shibata, Shigehito; Watabe, Takashi; Tanabe, Kiyoshi; and Kunii, Nobuaki, 4,808,636, Cl. 521-163.000.
Tanabe, Koji: *See*—
Ebata, Genji; Tanabe, Koji; and Saito, Takahiro, 4,854,667, Cl. 350-96.200.
Tanabe, Kou: *See*—
Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, 4,845,193, Cl. 528-502.000.
Tanabe, Kouji: *See*—
Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, 4,817,410, Cl. 72-199.000.
Tanabe, Mamoru: *See*—
Yokota, Motoyuki; Tanabe, Mamoru; and Fujiki, Tatsuo, 4,861,004, Cl. 267-140.100.
Tanabe, Masaaki: *See*—
Osada, Toshio; and Tanabe, Masaaki, 4,886,429, Cl. 417-413.000.
Tanabe, Masao: *See*—
Terasaka, Yoshiyasu; and Tanabe, Masao, 4,852,515, Cl. 118-663.000.
Tsukahara, Yusuke; Masuda, Hitoshi; Yamaguchi, Mikio; and Tanabe, Masao, 4,827,516, Cl. 381-36.000.
Tanabe, Masashi: *See*—
Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi, 4,839,584, Cl. 324-103.00P.
Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.
Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; Suzuki, Shiro; and Tanabe, Masashi, 4,817,075, Cl. 369-47.000.
Tanabe, Masato: *See*—
Crowe, David F.; Tanabe, Masato; and Peters, Richard, 4,859,370, Cl. 260-397.450.
Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.
Tanabe Seiyaku Co., Ltd.: *See*—
Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, 4,857,543, Cl. 314-444.000.
Iijima, Ikuo; Ozeki, Masakatsu; Okumura, Kunihito; and Inamasu, Masanori, 4,824,833, Cl. 514-230.500.
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,829,067, Cl. 514-233.500.
Iijima, Ikuo; Ozeki, Masakatsu; Saiga, Yutaka; Ishizuka, Tohru; and Nosaka, Kunio, 4,882,340, Cl. 514-320.000.
Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, 4,866,196, Cl. 560-012.000.
Iwasaki, Tameo; and Takashima, Kohki, 4,840,951, Cl. 514-239.500.
Kubo, Masami; Ochiai, Takashi; and Yuasa, Hirofumi, 4,888,339, Cl. 514-392.000.
Ohshiro, Susumu; Senuma, Masaru; and Wagatsuma, Mitsuyoshi, 4,866,170, Cl. 540-335.000.
Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, 4,839,360, Cl. 514-252.000.
Takamura, Norio; Oda, Kuniyuki; Kodato, Shinichi; Yamaguchi, Isao; and Yano, Koji, 4,853,404, Cl. 514-406.000.
Takeda, Mikio; Inage, Masaru; Wada, Hiroshi; Tamaki, Hajime; and Ochiai, Takashi, 4,886,817, Cl. 514-341.000.
Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,882,447, Cl. 556-40.000.
Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, 4,886,894, Cl. 556-40.000.
Yamada, Yoshihisa; and Matsuoka, Yuzo, 4,855,298, Cl. 514-259.000.
Yamaguchi, Isao; Nishiyama, Shinsuke; and Kubo, Masami, 4,804,672, Cl. 514-392.000.
Yamaguchi, Isao; Akimoto, Yoshiaki; and Nagao, Taku, 4,822,789, Cl. 514-211.000.
Tanabe, Susumu; and Nudeshima, Masahiro, to Terumo Kabushiki Kaisha. Catheter. 4,838,879, 6-13-89, Cl. 604-280.000.
Tanabe, Susumu; Sekii, Shigekazu; Tsuchida, Kouji; and Ishizu, Yoshio, to Terumo Corporation. Catheters for measurement of cardiac output and blood flow velocity. 4,841,981, 6-27-89, Cl. 128-692.000.
Tanabe, Susumu; and Suzuki, Tatsuo, to Terumo Kabushiki Kaisha. Catheter and method for making. 4,842,590, 6-27-89, Cl. 604-282.000.
Tanabe, Susumu: *See*—
Sagae, Kyuta; Takemura, Naoto; Sugiyama, Yoshiaki; and Tanabe, Susumu, 4,832,688, Cl. 604-53.000.
Takemura, Naoto; and Tanabe, Susumu, 4,876,126, Cl. 428-35.700.
Tanabe, Takashi, to NEC Corporation. Optical fiber connector. 4,795,231, 1-3-89, Cl. 350-96.210.
Tanabe, Takashi, to NEC Corporation. Plug of fiber optic cable connector. 4,844,570, 7-4-89, Cl. 350-96.200.
Tanabe, Takeshi; and Hori, Toshio, to Murata Manufacturing Co., Ltd. Chip type component installation structure. 4,883,920, 11-28-89, Cl. 174-68.500.
Tanabe, Takeshi: *See*—
Sakamoto, Yukio; Tanabe, Takeshi; Fukutani, Iwao; and Hori, Toshio, 4,875,862, Cl. 439-79.000.
Tanabe, Toru: *See*—
Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, 4,808,812, Cl. 250-216.000.
Tanabe, Toshiya: *See*—
Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.
Tanabe, Tunehiko; and Kawada, Fumiyoshi, to Sharp Kabushiki Kaisha. Electrical connecting device. 4,824,397, 4-25-89, Cl. 439-496.000.
Tanabe, Yoo: *See*—
Tsushima, Kazunori; Matsuo, Noritada; Tanabe, Yoo; Yano, Toshihiko; and Hirano, Masachika, 4,840,971, Cl. 514-721.000.

- Tanabe, Yoshihiro: *See—*
  - Iwai, Hiromi; Nakajima, Masatoshi; Asaga, Hiroshi; Takao, Nobuyuki; Shiga, Satoru; and Tanabe, Yoshihiro, 4,866,393, Cl. 324-549.000.
- Tanabe, Yoshio, to Alps Electric Co., Ltd. Contact mechanism for a switch. 4,814,558, 3-21-89, Cl. 200-440.000.
- Tanabe, Yoshiyuki; and Kashiwaya, Mineo, to Hitachi, Ltd. Fuel supply control apparatus for internal combustion engines. 4,838,223, 6-13-89, Cl. 123-339.000.
- Tanabe, Yoshiyuki: *See—*
  - Kamifuji, Hiroshi; Tanabe, Yoshiyuki; and Morita, Kiyomi, 4,873,960, Cl. 123-480.000.
- Tanada, Shinichi: *See—*
  - Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.
- Tanaga, Snigenori; and Iida, Hideo, to Kokoku Rubber Industry Company Limited. Pressure detector. 4,847,586, 7-11-89, Cl. 338-114.000.
- Tanagawa, Kouji, to Oki Electric Industry Co., Ltd. Microprocessor with improved execution of instructions. 4,866,608, 9-12-89, Cl. 364-200.000.
- Tanagawa, Kouji; and Yoshida, Tomoaki, to Oki Electric Industry Co., Ltd. Computer having a protection device to selectively block incorrect control signals. 4,875,156, 10-17-89, Cl. 364-200.000.
- Tanagawa, Kouzi: *See—*
  - Ohta, Satoshi; Tanagawa. Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, 4,812,634, Cl. 235-492.000.
  - Ohta, Satoshi; and Tanagawa, Kouzi, 4,843,224, Cl. 235-487.000.
- Tanahashi, Haruhiko; and Hayashi, Makoto, to Toyota Jidosha Kabushiki Kaisha. Twin-tube type shock absorber. 4,795,009, 1-3-89, Cl. 188-315.000.
- Tanahashi, Haruhiko; and Arai, Noritoshi, to Toyota Jidosha Kabushiki Kaisha. Front suspension for a vehicle. 4,822,073, 4-18-89, Cl. 280-673.000.
- Tanahashi, Haruhiko; Tsukamoto, Yoshikazu; and Miyakawa, Shinji, to Tokai Rubber Industries, Ltd.; and Toyota Jidosha Kabushiki Kaisha. Cylindrical upper support for shock absorber. 4,877,262, 10-31-89, Cl. 280-668.000.
- Tanahashi, Hiroshi: *See—*
  - Ohta, Naotake; Yotsumoto, Masahiro; Nishino, Haruo; Tanahashi, Hiroshi; Kato, Hajime; Tazawa, Toshiaki; Noda, Hideo; and Wakabayashi, Yuzuru, 4,798,131, Cl. 99-277.200.
  - Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,819,552, Cl. 99-277.200.
  - Tazawa, Toshiaki; Yotsumoto, Masahiro; Tanahashi, Hiroshi; and Wakabayashi, Yuzuru, 4,889,743, Cl. 426-495.000.
- Tanahashi, Ichiro: *See—*
  - Yoshida, Akihiko; Nishino, Atsushi; Tanahashi, Ichiro; and Takeuchi, Yasuhiro, 4,814,145, Cl. 422-150.000.
- Tanahashi, Kenji: *See—*
  - Hashimoto, Nobuo; Ishii, Hideo; Tanahashi, Kenji; Ohno, Kenji; and Ohno, Kiichi, 4,884,894, Cl. 366-338.000.
- Tanahashi, Masao; and Yada, Shiro, to Matsushita Electric Works, Ltd. Dry shaver with a readily replaceable outer shearing foil. 4,837,929, 6-13-89, Cl. 30-43.920.
- Tanahashi, Tooru, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling an alternating current power supply. 4,816,985, 3-28-89, Cl. 363-81.000.
- Tanahashi, Tooru, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling an A.C. powered elevator. 4,851,982, 7-25-89, Cl. 363-37.000.
- Tanahashi, Toshio, to NEC Corporation. Integrated circuit with clock distribution means for supplying clock signals. 4,839,604, 6-13-89, Cl. 328-62.000.
- Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaosa, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, to Toyota Jidosha Kabushiki Kaisha. Combustion chamber of a two-stroke engine. 4,840,147, 6-20-89, Cl. 123-65.0VD.
- Tanahashi, Toshio; Kanamaru, Masanobu; Itoh, Toshio; and Itoh, Kazuhiro, to Toyota Jidosha Kabushiki Kaisha. Combustion chamber of a two-stroke engine. 4,883,030, 11-28-89, Cl. 123-193.0CH.
- Tanahashi, Toshio: *See—*
  - Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
- Tanahashi, Yasuhiro: *See—*
  - Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,804,922, Cl. 324-457.000.
  - Sometani, Taro; Takaoka, Naotoshi; Aida, Mitsuo; Kudomi, Mitsuharu; Tanahashi, Yasuhiro; and Aoki, Katsunori, 4,879,509, Cl. 324-108.000.
- Tanahasi, Tosio: *See—*
  - Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hirosi; Tanahasi, Tosio; and Hirose, Katsuhiko, 4,821,686, Cl. 123-65.0VD.
- Tanai, Tsuneo: *See—*
  - Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi. Toshiki, 4,883,027, Cl. 123-90.160.
- Tanaka, Akihiro; Fujikura, Takashi; Tsuzuki, Ryuji; Yokota, Masaki; and Yatsu, Takeyuki. Substituted tetrahydroisoquinoline compounds and composition containing them. 4,876,261, 10-24-89, Cl. 514-307.000.
- Tanaka, Akihiro: *See—*
  - Kuwano, Hiroaki; Kawanami, Takao; Okudaira, Ken; and Tanaka, Akihiro, 4,843,855, Cl. 72-16.000.
  - Matsumoto, Shinichi; Kitada, Nobuhiko; and Tanaka, Akihiro, 4,814,319, Cl. 503-216.000.
- Tanaka, Akinori: *See—*
  - Suzuki, Akinori; Be Hyeon, Suong; Kajita, Toshio; Furushima, Masakazu; and Tanaka, Akinori, 4,799,950, Cl. 71-89.000.
- Tanaka, Akio: *See—*
  - Miner, Jay G.; Dean, Dave; Decuir, Joseph C.; Nicholson, Ronald H.; and Tanaka, Akio, 4,874,164, Cl. 273-1.00E.
- Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for controlling ignition timing in internal combustion engine. 4,796,586, 1-10-89, Cl. 123-425.000.
- Tanaka, Akira, to Honda Giken Kogyo Kabushiki Kaisha. Method of detecting cylinder pressure in internal combustion engine. 4,800,500, 1-24-89, Cl. 364-431.080.
- Tanaka, Akira, to Honda Giken Kogyo Kabushiki Kaisha. Device for controlling ignition timing in internal combustion engine. 4,802,454, 2-7-89, Cl. 123-425.000.
- Tanaka, Akira; Kimura, Shigeru; Ikeda, Toshiaki; Tanabe, Toru; Suto, Seiichi; and Seto, Takao, to Honda Motor Co., Ltd.; and Stanley Electric Co., Ltd. Composite type light sensor having plural sensors with different light receiving angle optical characteristics. 4,808,812, 2-28-89, Cl. 250-216.000.
- Tanaka, Akira; and Hasegawa, Kenji, to Yoshida Kogyo K. K. Method of manufacturing split ring springs for snap fasteners. 4,809,532, 3-7-89, Cl. 72-337.000.
- Tanaka, Akira; and Kurihara, Norimitsu, to Honda Giken Kogyo Kabushiki Kaisha. Vehicular anti-theft system. 4,868,409, 9-19-89, Cl. 307-10.500.
- Tanaka, Akira; and Lee, Jimmy C.-M., to P. L. Porter Company. Mechanical linear lock with redundant locking feature. 4,880,084, 11-14-89, Cl. 188-67.000.
- Tanaka, Akira: *See—*
  - Baba, Susumu; Matsubara, Eigi; Iwaosa, Katsuaki; and Tanaka, Akira, 4,818,676, Cl. 430-574.000.
  - Fukamachi, Masaaki; Onitsuka, Nobuyuki; Tanaka, Akira; and Nakamura, Kazuo, 4,862,139, Cl. 340-426.000.
  - Nakajima, Toyohei; Mieno, Toshiyuki; Tanaka, Akira; Nagao, Akira; and Suzaki, Yukihiko, 4,856,480, Cl. 123-425.000.
  - Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.
  - Watanabe, Naoto; Tanaka, Akira; Matsumoto, Takayuki; Ohmura, Yutaka; and Kojima, Hisao, 4,873,760, Cl. 29-714.000.
  - Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki, Yukihiko; Jogen, Masao; and Tanaka, Akira, 4,841,935, Cl. 123-432.000.
- Tanaka, Akito: *See—*
  - Takasugi, Hisashi; Ito, Kiyotaka; Nishino, Shigetaka; Tanaka, Akito; and Takaya, Takao, 4,822,805, Cl. 514-341.000.
- Tanaka, Asami: *See—*
  - Clark, Danny R.; and Tanaka, Asami, 4,794,774, Cl. 72-63.000.
- Tanaka, Atsuo; Dohnomoto, Tadashi; and Kajikawa, Yoshiaki, to Toyota Jidosha Kabushiki Kaisha. Composite material including matrix metal and closed loop configuration reinforcing fiber component made of carbon fibers with moderate Young's modulus, and method for making the same. 4,804,586, 2-14-89, Cl. 428-611.000.
- Tanaka, Atsuo: *See—*
  - Donomoto, Tadashi; Tanaka, Atsuo; and Tatematsu, Yoshiaki, 4,830,932, Cl. 428-608.000.
  - Hamajima, Kaneo; Tanaka, Atsuo; Kubo, Masahiro; and Dohnomoto, Tadashi, 4,852,630, Cl. 164-761.000.
- Tanaka, Atsushi: *See—*
  - Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.
- Tanaka Dental Enterprises: *See—*
  - Clark, Danny R.; and Tanaka, Asami, 4,794,774, Cl. 72-63.000.
- Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomichi, Kyoko; Watanabe, Masanori; and Sakahara, Chisato, to Matsushita Electric Industrial Co., Ltd. Electrophotography photosensitive member and a method for fabricating same. 4,886,719, 12-12-89, Cl. 430-58.000.
- Tanaka, Eiji: *See—*
  - Suga, Yoshinori; Tanaka, Eiji; Enokido, Nobuo; Kato, Hidehito; and Shibata, Katsuji, 4,824,704, Cl. 428-36.920.
  - Suga, Yoshinori; Tanaka, Eiji; Maruyama, Yasuo; and Isobe, Eiji, 4,883,848, Cl. 526-124.000.
- Tanaka, Eisuke: *See—*
  - Mochizuki, Hiroshi; Tamaki, Reiji; Arima, Junichi; Ikegami, Masaaki; Tanaka, Eisuke; and Saito, Kenji, 4,884,120, Cl. 357-68.000.
- Tanaka, Fujio, to Pioneer Electronic Corporation. Speaker system with independently supported top plate. 4,797,935, 1-10-89, Cl. 381-205.000.
- Tanaka, Fumihiro: *See—*
  - Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shimada, Yoshio; and Watanabe, Shinya, 4,821,115, Cl. 358-75.000.
- Tanaka, Fuminari; and Nonaka, Satoshi, to Kabushiki Kaisha Toshiba. Output circuit for CMOS integrated circuit with pre-buffer to reduce distortion of output signal. 4,890,016, 12-26-89, Cl. 307-443.000.
- Tanaka, Fuminari: *See—*
  - Kinugasa, Masanori; Tanaka, Fuminari; Shigehara, Hiroshi; and Ohta, Hirokata, 4,821,084, Cl. 357-45.000.

- Tanaka, Fumio; and DeWitt, David P., to Purdue Research Foundation. Radiation thermometry. 4,881,823, 11-21-89, Cl. 374-126.000.
- Tanaka, Gotaro: *See—*
  - Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.
  - Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, 4,880,452, Cl. 65-3.120.
  - Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,155, Cl. 65-3.120.
  - Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, 4,846,867, Cl. 65-3.120.
- Tanaka, Hajime; and Saito, Shiro, to Tanaka International Co., Ltd. Action mechanism of an upright piano. 4,854,211, 8-8-89, Cl. 84-240.000.
- Tanaka, Hajime; and Saito, Shiro. Wippen heel mechanism for an upright piano. 4,860,626, 8-29-89, Cl. 84-236.000.
- Tanaka, Haruhiko; Kagawa, Fukashi; and Nakashima, Kouji, to Shell Oil Company. Laminated structure comprising non-crosslinked foam as substrate. 4,868,044, 9-19-89, Cl. 428-304.400.
- Tanaka, Haruo: *See—*
  - Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, 4,831,055, Cl. 514-539.000.
- Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, to Tokyo Ohka Kogyo Co., Ltd. Developing solution for positive-working photoresist comprising TMAH and non-ionic surfactant. 4,833,067, 5-23-89, Cl. 430-331.000.
- Tanaka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, to Tokyo Ohka Kogyo Co., Ltd. Method for forming a resist pattern on a substrate surface and a scum-remover therefor. 4,873,177, 10-10-89, Cl. 430-326.000.
- Tanaka, Hatsuyuki: *See—*
  - Asaumi, Shingo; Kohara, Hidekatsu; Tanaka, Hatsuyuki; and Nakayama, Toshimasa, 4,804,612, Cl. 430-192.000.
  - Kobayashi, Masakazu; Asaumi, Shingo; and Tanaka, Hatsuyuki, 4,824,762, Cl. 430-258.000.
  - Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.
- Tanaka, Hazime; Sasaki, Keiji; and Suzuki, Hirayoshi, to Fuji Koki Manufacturing Co., Ltd. Dual-action pressure switch apparatus. 4,827,094, 5-2-89, Cl. 200-83.00J.
- Tanaka, Hazime; Suzuki, Hirayoshi; and Sasaki, Keiji, to Fuji Koki Manufacturing Co., Ltd. Triple action pressure switch apparatus. 4,853,504, 8-1-89, Cl. 200-83.00P.
- Tanaka, Hazime: *See—*
  - Oyanagi, Reinosuke; and Tanaka, Hazime, 4,835,980, Cl. 62-212.000.
- Tanaka, Hideaki; Katurada, Morihiro; and Konya, Minehiro, to Sharp Kabushiki Kaisha. Method of detecting a space between words with optical character reader. 4,847,912, 7-11-89, Cl. 382-9.000.
- Tanaka, Hideaki: *See—*
  - Hirata, Toichi; Tanaka, Hideaki; Sugiyama, Genroku; and Satoh, Shinichi, 4,832,082, Cl. 137-625.660.
  - Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.
  - Satoh, Shinichi; Hirata, Toichi; Sugiyama, Genroku; and Tanaka, Hideaki, 4,858,649, Cl. 137-625.600.
  - Suzuki, Masatoshi; Akiba, Shigeyuki; Tanaka, Hideaki; and Kushiro, Yukitoshi, 4,811,352, Cl. 372-45.000.
  - Tajima, Yoshimitsu; Mohri, Motoo; and Tanaka, Hideaki, 4,835,075, Cl. 429-194.000.
  - Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.
- Tanaka, Hidehiko: *See—*
  - Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Matsubara, Toshiyuki; and Terasaka, Teiji, 4,888,586, Cl. 340-825.050.
- Tanaka, Hideho; Fujii, Kazuyoshi; and Nishimura, Kazuo, to Ube Industries, Ltd. Interleaf-containing, fiber-reinforced epoxy resin prepreg. 4,868,050, 9-19-89, Cl. 428-335.000.
- Tanaka, Hideki, to Mazda Motor Corporation. Air-fuel ratio control for supercharged automobile engine. 4,873,961, 10-17-89, Cl. 123-564.000.
- Tanaka, Hideki: *See—*
  - Matsui, Kenji; Yamashita, Tatsuo; Tanaka, Hideki; and Sakakura, Kouji, 4,846,497, Cl. 280-804.000.
- Tanaka, Hideo; and Nishitani, Takao, to NEC Corporation. Arithmetic circuit capable of executing floating point operation and fixed point operation. 4,796,218, 1-3-89, Cl. 364-748.000.
- Tanaka, Hideo; Bannai, Saburo; Sasaki, Kiyoshi; and Totani, Tsuginobu, to Toshiba Kikai Kabushiki Kaisha. Control systems of injection molding machines. 4,802,097, 1-31-89, Cl. 364-476.000.
- Tanaka, Hideo: *See—*
  - Nishitani, Takao; Kuroda, Ichiro; Tanaka, Hideo; and Sugishita, Kyosuke, 4,817,047, Cl. 364-754.000.
  - Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.
  - Torii, Sigeru; Tanaka, Hideo; Sasaoka, Michio; and Shiroi, Takashi, 4,798,890, Cl. 540-358.000.
  - Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,801,720, Cl. 540-358.000.
  - Torii, Sigeru; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Siroi, Takashi, 4,810,788, Cl. 540-358.000.
  - Torii, Sigeru; Uneyama, Kenji; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Shiroi, Takashi, 4,853,468, Cl. 540-215.000.
  - Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
  - Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
- Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, to Hewlett-Packard Company. Apparatus which uses a simulated inductor in the measurement of an electrical parameter of a device under test. 4,885,528, 12-5-89, Cl. 324-57.00R.
- Tanaka, Hideshi: *See—*
  - Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
  - Wakasugi, Tomio; and Tanaka, Hideshi, 4,888,701, Cl. 364-482.000.
- Tanaka, Hidetake; and Nakazato, Yasushi, to Ricoh Co., Ltd. Control device for an image recorder. 4,855,754, 8-8-89, Cl. 346-17.000.
- Tanaka, Hidetake: *See—*
  - Yamanobe, Koji; Yamazaki, Shigeru; and Tanaka, Hidetake, 4,814,792, Cl. 346-108.000.
- Tanaka, Hidetoshi: *See—*
  - Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.
- Tanaka, Hideyo: *See—*
  - Shimojo, Tetsuji; Harada, Mineo; Tanaka, Hideyo; and Furuya, Kaname, 4,822,188, Cl. 400-124.000.
- Tanaka, Hideyuki: *See—*
  - Maeda, Hiroshi; Matsumura, Yasuhiro; Asami, Osamu; Tanaka, Hideyuki; and Sasaki, Ikuharu, 4,844,897, Cl. 424-94.300.
- Tanaka, Hiroaki; Inuzuka, Yutaka; and Takeo, Hideki, to Toyota Jidosha Kabushiki Kaisha. Axle beam including a protecting member. 4,813,507, 3-21-89, Cl. 180-88.000.
- Tanaka, Hiroaki; Ito, Mitsuhiro; Furukawa, Takeshi; and Fujii, Satoru, to Onoda Cement Company, Ltd. Leakage prevention apparatus for a classifier. 4,818,376, 4-4-89, Cl. 209-135.000.
- Tanaka, Hiroaki: *See—*
  - Ishikawa, Youhei; and Tanaka, Hiroaki, 4,816,788, Cl. 333-203.000.
  - Yano, Masafumi; Tanaka, Hiroaki; and Shimizu, Hiroshi, 4,814,657, Cl. 310-309.000.
- Tanaka, Hirofumi: *See—*
  - Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.
- Tanaka, Hirohisa: *See—*
  - Kato, Hiroaki; Tanaka, Hirohisa; and Funada, Fumiaki, 4,834,507, Cl. 350-339.00F.
  - Koden, Mitsuhiro; Tanaka, Hirohisa; and Yano, Kohzo, 4,843,438, Cl. 357-04.000.
- Tanaka, Hirohumi: *See—*
  - Ichinose, Noboru; and Tanaka, Hirohumi, 4,855,118, Cl. 423-301.000.
- Tanaka, Hirokazu: *See—*
  - Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; Hashimoto, Masashi; Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; and Imanaka, Hiroshi, 4,801,580, Cl. 514-18.000.
  - Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, 4,853,524, Cl. 235-468.000.
- Tanaka, Hiromasa, to Honda Giken Kogyo Kabushiki Kaisha. Independent rear wheel suspension system. 4,881,752, 11-21-89, Cl. 280-690.000.
- Tanaka, Hiromi: *See—*
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Tanaka, Hiromichi: *See—*
  - Hirao, Yoshiaki; Kuga, Ryuichiro; Asakura, Hiroyuki; Ono, Shusuke; Nagaoka, Yoshitomi; Hataji, Shinji; and Tanaka, Hiromichi, 4,850,692, Cl. 356-1.000.
- Tanaka, Hironori; Matsumoto, Masafumi; and Kotani, Matahira, to Sharp Kabushiki Kaisha. Intermittent drive for a paper supply roller. 4,843,903, 7-4-89, Cl. 74-354.000.
- Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, to Sharp Kabushiki Kaisha. Sheet separating arrangement. 4,844,437, 7-4-89, Cl. 271-124.000.
- Tanaka, Hironori; Kotani, Matahira; and Matsumoto, Masafumi, to Sharp Kabushiki Kaisha. Color image copying device. 4,868,919, 9-19-89, Cl. 355-27.000.
- Tanaka, Hironori; and Shirakoshi, Hiroshi, to Sharp Kabushiki Kaisha. Paper transport system for apparatus including facsmile and photocopying machines. 4,887,806, 12-19-89, Cl. 271-121.000.

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Tanaka, Hironori: *See—*
- Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.

Tanaka, Hiroshi; and Morimoto, Yoshihiko, to Fuji Jukogyo Kabushiki Kaisha. Control system for a continuously variable transmission. 4,794,819, 1-3-89, Cl. 74-866.000.

Tanaka, Hiroshi; and Umemura, Akio, to Mitsubishi Kinzoku Kabushiki Kaisha. Process for converting UF_6 into UO_2. 4,808,390, 2-28-89, Cl. 423-261.000.

Tanaka, Hiroshi, to Fuji Jukogyo Kabushiki Kaisha. Transmission ratio control system for a continuously variable transmission. 4,833,944, 5-30-89, Cl. 74-866.000.

Tanaka, Hiroshi, to Fuji Xerox Co., Ltd. Image processing apparatus. 4,858,018, 8-15-89, Cl. 358-456.000.

Tanaka, Hiroshi; Murata, Yasukiyo; and Eto, Kazumi, to Kabushiki Kaisha Toshiba. Defrost-water vaporizer of a refrigerator. 4,876,861, 10-31-89, Cl. 62-279.000.

Tanaka, Hiroshi: *See—*
- Anzai, Satoru; and Tanaka, Hiroshi, 4,883,345, Cl. 350-418.000.
- Hashimoto, Toru; Takahashi, Akira; Imaizumi, Takeshi; Saito, Susumu; Tanaka, Hiroshi; and Jimbo, Takeshi, 4,834,054, Cl. 123-571.000.
- Hattori, Kenji; Tanaka, Hiroshi; and Tanaka, Shinichi, 4,835,505, Cl. 335-302.000.
- Nakajima, Nobuyoshi; Nagata, Takehumi; and Tanaka, Hiroshi, 4,804,841, Cl. 250-327.200.
- Yato, Tadao; Hagino, Sadaaki; and Tanaka, Hiroshi, 4,873,031, Cl. 264-0.500.
- Yato, Tadao; Onoue, Takeshi; and Tanaka, Hiroshi, 4,882,100, Cl. 264-0.500.

Tanaka, Hirosi; and Saito, Tokukazu, to Fuji Photo Film Co., Ltd. Method of adjusting radiation image read-out conditions and/or image processing conditions. 4,831,256, 5-16-89, Cl. 250-327.200.

Tanaka, Hirosi: *See—*
- Higashi, Nobuaki; Nakajima, Nobuyoshi; and Tanaka, Hirosi, 4,845,762, Cl. 382-6.000.

Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, to Hitachi, Ltd. Constant current circuit. 4,825,145, 4-25-89, Cl. 323-315.000.

Tanaka, Hirotoshi: *See—*
- Hatta, Yasushi; Mitsusada, Kazumichi; Tanaka, Hirotoshi; and Hayashi, Takehisa, 4,803,527, Cl. 357-13.000.
- Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, 4,881,044, Cl. 330-253.000.
- Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.
- Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.

Tanaka, Hiroyoshi: *See—*
- Takada, Takashi; Hirao, Kenichi; Tanaka, Hiroyoshi; and Suzuki, Mitsuo, 4,861,659, Cl. 428-364.000.

Tanaka, Hiroyuki, to Nix Company Ltd. Dental X-ray film back. 4,831,643, 5-16-89, Cl. 378-169.000.

Tanaka, Hiroyuki, to Nix Company, Ltd. Dental X-ray film developing machine. 4,853,729, 8-1-89, Cl. 354-322.000.

Tanaka, Hiroyuki: *See—*
- Akasaki, Yutaka; Sato, Katsuhiro; Tanaka, Hiroyuki; Nukada, Katsumi; and Sudo, Hidemi, 4,833,263, Cl. 558-384.000.
- Kishi, Yasuo; Inoue, Hiroshi; and Tanaka, Hiroyuki, 4,795,500, Cl. 136-244.000.
- Takeuchi, Eiichi; Wada, Kaname; Miyamura, Kou; Kanamaru, Kazuo; Tanaka, Hiroyuki; Sugino, Kazuo; and Ando, Kenzo, 4,828,015, Cl. 164-461.000.

Tanaka, Hisakatsu: *See—*
- Horiguchi, Toshio; Akatsuka, Yuichiro; and Tanaka, Hisakatsu, 4,885,458, Cl. 235-454.000.

Tanaka, Hisami: *See—*
- Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.

Tanaka, Hisao: *See—*
- Ohmae, Tadayuki; Mashita, Kentaro; Yamaguchi, Noboru; Asao, Kouichiro; Tanaka, Hisao; and Sakurai, Tadashi, 4,831,095, Cl. 526-307.000.

Tanaka, Hisatoshi; and Abiru, Masao, to G-C Dental Industrial Corp. Material packs for preparing plate dentures. 4,838,789, 6-13-89, Cl. 433-171.000.

Tanaka, Hitoshi, to Asahi Kogaku Kogyo Kabushiki Kaisha. Lens photographing distance range limiting device. 4,854,673, 8-8-89, Cl. 350-255.000.

Tanaka, Hitoshi: *See—*
- Kasai, Kazumi; Itoh, Hiromi; Tanaka, Hitoshi; Oh-hori, Tatsuya; and Komeno, Junji, 4,883,020, Cl. 118-719.000.
- Kyomasu, Mikio; Tanaka, Hitoshi; and Mizuno, Seiichiro, 4,839,735, Cl. 358-213.310.
- Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,863,989, Cl. 524-419.000.
- Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,880,888, Cl. 526-209.000.
- Ozawa, Takashi; Tanaka, Hitoshi; Goshima, Takahiro; and Takagi, Kozi, 4,875,741, Cl. 303-116.000.

Tanaka Homes, Ltd.: *See—*
- Tanaka, Yoshimasa, 4,848,050, Cl. 52-169.100.

Tanaka, Honami: *See—*
- Noguchi, Kosaku; Tanaka, Honami; Yamazaki, Heima; and Ohmoto, Yoshiharu, 4,828,682, Cl. 208-131.000.

Tanaka, Hozumi; Aoyama, Hiroshi; Kuroda, Nobuyoshi; and Ito, Takumi, to Pioneer Electronic Corporation. Method of measurement of crosstalk noise in playback information signal. 4,852,074, 7-25-89, Cl. 369-53.000.

Tanaka, Hozumi; and Kanamaru, Hitoshi, to Pioneer Electronic Corporation. Disk reproducing method and apparatus for disks with different video bandwidths. 4,864,427, 9-5-89, Cl. 358-342.000.

Tanaka International Co., Ltd.: *See—*
- Tanaka, Hajime; and Saito, Shiro, 4,854,211, Cl. 84-240.000.

Tanaka, Issei: *See—*
- Tanimoto, Akikazu; Tanaka, Issei; and Miyaji, Akira, 4,870,452, Cl. 355-53.000.

Tanaka, Itsuo: *See—*
- Goto, Tokuju; Tanaka, Itsuo; Takahashi, Masakatu; Sando, Yoshikazu; and Ishidoshiro, Hiroshi, 4,829,189, Cl. 250-492.300.

Tanaka, Joji: *See—*
- Tanaka, Taro; and Tanaka, Joji, 4,871,128, Cl. 242-201.000.

Tanaka, Junichi; and Hijikigawa, Masaya, to Sharp Kabushiki Kaisha. Sensor. 4,816,888, 3-28-89, Cl. 357-25.000.

Tanaka, Junzo; and Motozuka, Yasuyuki, to Matsushita Electric Industrial Co., Ltd. Microwave oven with combined rotary heater and wave guide plate. 4,804,812, 2-14-89, Cl. 219-10.55F.

Tanaka, Junzo: *See—*
- Ishikawa, Masahide; Sakurai, Kazuo; Shimizu, Tomio; and Tanaka, Junzo, 4,801,828, Cl. 307-646.000.
- Mishima, Osamu; Yamaoka, Shinobu; Fukunaga, Osamu; Tanaka, Junzo; and Era, Koh, 4,875,967, Cl. 156-605.000.

Tanaka, Kanji: *See—*
- Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864,637, Cl. 455-205.000.
- Ogata, Takashi; Kato, Masanori; Kawasumi, Yoshio; Tominaga, Chikara; and Tanaka, Kanji, 4,874,436, Cl. 148-2.000.
- Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,809,328, Cl. 381-13.000.
- Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, 4,852,167, Cl. 381-13.000.

Tanaka, Kanou: *See—*
- Kotera, Masahide; Konishi, Motofumi; Ando, Yoshio; Iwaya, Toshio; Tanaka, Kanou; Hashimoto, Norio; Sugita, Yasutoshi; Sano, Yoshitaka; and Ono, Satoshi, 4,878,250, Cl. 382-56.000.

Tanaka, Katsufusa: *See—*
- Motoyoshi, Takeo; Nakatsukasa, Naoyuki; Tanaka, Katsufusa; and Yamashita, Tooru, 4,827,463, Cl. 369-36.000.
- Shimomura, Tetsuro; Tanaka, Katsufusa; and Mochizuki, Mikio, 4,864,455, Cl. 361-125.000.

Tanaka, Katsuhiko; Sato, Takanobu; and Sakatani, Ikunori, to Nippon Seiko Kabushiki Kaisha. Dynamic pressure gas bearing device. 4,805,972, 2-21-89, Cl. 350-6.700.

Tanaka, Katsuhiko; and Fukumoto, Hiroshi, to Canon Kabushiki Kaisha. Toner composition containing organotin oxide. 4,886,725, 12-12-89, Cl. 430-106.600.

Tanaka, Katsuhiko: *See—*
- Hyosu, Yoshihiko; Hikake, Norio; and Tanaka, Katsuhiko, 4,839,255, Cl. 430-137.000.
- Inoue, Gentei; Sakatani, Ikunori, and Tanaka, Katsuhiko, 4,856,918, Cl. 384-610.000.
- Sakatani, Ikunori; Tanaka, Katsuhiko; and Tamaki, Masaru, 4,798,476, Cl. 384-108.000.

Tanaka, Katsumi: *See—*
- Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.
- Kawahara, Haruyuki; Tanaka, Katsumi; Ashiura, Yasuyuki; and Yoshimura, Motonobu, 4,842,517, Cl. 433-173.000.

Tanaka, Katsuto: *See—*
- Makita, Kensuke; Hattori, Akimasa; and Tanaka, Katsuto, 4,874,462, Cl. 156-635.000.

Tanaka, Katsuyuki: *See—*
- Kato, Masahiko; Katou, Masanori; Kuwakado, Satoei; Tanaka, Katsuyuki; and Ito, Koji, 4,805,733, Cl. 181-206.000.
- Onaga, Kazuo; Tanaka, Katsuyuki; and Komatsu, Kazunari, 4,816,800, Cl. 338-34.000.

Tanaka, Kazuaki: *See—*
- Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamegi, Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda, Shigeru, 4,833,597, Cl. 364-200.000.

Tanaka, Kazuhiko, to Nippon Thompson Co., Ltd. Linear motion rolling guide unit. 4,797,012, 1-10-89, Cl. 384-45.000.

Tanaka, Kazuhiko, to Nippon Thompson Co., Ltd. Ball spline linear motion rolling guide unit. 4,799,803, 1-24-89, Cl. 384-43.000.

Tanaka, Kazuhiko, to Nippon Thompson Co., Ltd. Four track-type endless rectilinear motion guide unit. 4,799,804, 1-24-89, Cl. 384-44.000.

Tanaka, Kazuhiko, to Nippon Thompson Co. Ltd. Four track-type endless rectilinear motion guide unit. 4,799,805, 1-24-89, Cl. 384-44.000.

Tanaka, Kazuhiko: *See—*
- Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, 4,800,278, Cl. 250-338.100.

Tanaka, Kazuhiro: *See—*
- Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.

Tanaka, Kazumi: *See—*
- Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.

Tanaka, Kazuo, to Canon Kabushiki Kaisha. Zoom lens. 4,859,042, 8-22-89, Cl. 350-423.000.

Tanaka, Kazuo: *See—*
- Kato, Masatake; Tsuji, Sadahiko; Sugiura, Muneharu; and Tanaka, Kazuo, 4,854,681, Cl. 350-427.000.

Tanaka, Kazushi: *See—*
- Kuroda, Kazuhiro; Tanaka, Kazushi; and Azegami, Hitoshi, 4,837,083, Cl. 428-329.000.

Tanaka, Kazuya: *See—*
- Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Tanaka, Kazuyoshi, to Fuji Photo Film Co., Ltd. Light beam scanning apparatus. 4,827,126, 5-2-89, Cl. 250-235.000.

Tanaka, Kazuyoshi; and Hashiue, Masakazu, to Fuji Photo Film Co. Ltd. Method for analyzing an autoradiograph. 4,837,687, 6-6-89, Cl. 364-413.010.

Tanaka, Kazuyuki, to Seikosha Co., Ltd. Thermal recording device. 4,843,408, 6-27-89, Cl. 346-76.0PH.

Tanaka, Kazuyuki: *See—*
- Takeuchi, Kenji; Kiryu, Koji; and Tanaka, Kazuyuki, 4,846,016, Cl. 74-710.500.

Tanaka, Kenichi, to Sharp Kabushiki Kaisha. EEPROM cell. 4,803,662, 2-7-89, Cl. 365-185.000.

Tanaka, Kenichi; and Tokimasa, Katsuyuki, to Sumitomo Metal Industries, Ltd. Metallic tubular structure having improved collapse strength and method of producing the same. 4,825,674, 5-2-89, Cl. 72-98.000.

Tanaka, Kenichi: *See—*
- Ibara, Masahiro; Suzuki, Kazuo; Maekawa, Hideya; Ito, Haremi; and Tanaka, Kenichi, 4,861,626, Cl. 427-133.000.

Tanaka, Kenji: *See—*
- Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yamashita, Masakazu; Tanaka, Kenji; and Matsuura, Ryo, 4,845,700, Cl. 369-75.200.
- Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Tanaka, Kenmei, to Kanzaki Paper Mfg. Co., Ltd. Form overlay type printing apparatus. 4,826,333, 5-2-89, Cl. 400-76.000.

Tanaka, Kensaku: *See—*
- Shirasaka, Akifumi; Tanaka, Kensaku; and Hamada, Masaki, 4,837,847, Cl. 382-55.000.

Tanaka, Kihachiro: *See—*
- Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, 4,870,258, Cl. 235-379.000.
- Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Tanaka, Kiichi, to Shindengen Kogyo Kabushiki Kaisha. Ringing choke converter using single switching element. 4,862,338, 8-29-89, Cl. 363-19.000.

Tanaka Kikinzoku Kogyo K.K.: *See—*
- Furuya, Nagakazu; and Motoo, Satoshi, 4,816,431, Cl. 502-101.000.
- Furuya, Nagakazu, 4,882,031, Cl. 204-415.000.
- Hirako, Mamoru; and Ezawa, Nobuyasu, 4,859,293, Cl. 204-94.000.
- Hirose, Akio, 4,859,445, Cl. 423-462.000.
- Motoo, Satoshi; and Watanabe, Masahiro, 4,797,380, Cl. 502-159.000.
- Takao, Hiroshi, 4,833,114, Cl. 502-333.000.
- Tamemasa, Hiroshi; Makino, Hiroshi; and Nagai, Tadao, 4,863,510, Cl. 75-0.50A.
- Yamazaki, Hiroshi, 4,844,879, Cl. 423-395.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Mounting a disc receiver in a disc cartridge. 4,799,122, 1-17-89, Cl. 360-133.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Casing assembly for a disc cartridge. 4,802,046, 1-31-89, Cl. 360-133.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Disc cartridge. 4,802,047, 1-31-89, Cl. 360-133.000.

Tanaka, Kimio; and Sekine, Masaoki, to TDK Corporation. Disc cartridge. 4,802,049, 1-31-89, Cl. 360-133.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Disc cartridge 4,803,678, 2-7-89, Cl. 369-291.000.

Tanaka, Kimio; Ishida, Toshihiko; and Shiba, Haruo, to TDK Corporation. Disc cartridge. 4,837,651, 6-6-89, Cl. 360-133.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Disc cartridge. 4,845,582, 7-4-89, Cl. 360-133.000.

Tanaka, Kimio; Sasaki, Morimasa; and Ikebe, Masaru, to TDK Corporation. Disc cartridge and casing therefor. 4,862,448, 8-29-89, Cl. 369-291.000.

Tanaka, Kimio; and Shiba, Haruo, to TDK Corporation. Disc cartridge having peripheral disc support. 4,863,031, 9-5-89, Cl. 206-444.000.

Tanaka, Kimio; Satoh, Takateru; and Shiba, Haruo, to TDK Corporation. Spring for biasing a braking member of a tape cassette. 4,871,153, 10-3-89, Cl. 267-155.000.

Tanaka, Kimio: *See—*
- Satoh, Takateru; Tanaka, Kimio; and Sasaki, Morimasa, 4,853,816, Cl. 360-132.000.
- Shiba, Haruo; Tanaka, Kimio; and Satoh, Takateru, 4,864,450, Cl. 360-132.000.

Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, to Nitsuko Limited; and Nippon Telegraph and Telephone Corporation. Data transmission system between a main CPU board having a wait signal generating latch and a plurality of CPU boards. 4,831,516, 5-16-89, Cl. 364-700.000.

Tanaka, Kiyofumi: *See—*
- Ezaki, Satoru; Tanaka, Kiyofumi; Kasahara, Tsukasa; Hirose, Tetsuya; and Nakagawa, Tetsuro, 4,858,659, Cl. 140-105.000.

Tanaka Kogyo Co., Ltd.: *See—*
- Yokoyama, Yukio, 4,887,476, Cl. 74-7.00E.

Tanaka, Koichi; Aonuma, Shigeo; Amagai, Yoshimi; Murofushi, Toshiaki; and Kimura, Takaaki, to Fuji Xerox Co., Ltd. Dry electrophotographic toner comprising graft copolymer. 4,797,340, 1-10-89, Cl. 430-109.000.

Tanaka, Koichi, to Honda Giken Kogyo Kabushiki Kaisha. Front cover for multi-wheeled vehicles. 4,799,568, 1-24-89, Cl. 180-219.000.

Tanaka, Koichi, to Kabushiki Kaisha Toshiba. Memory access control circuit. 4,839,856, 6-13-89, Cl. 364-900.000.

Tanaka, Koichi: *See—*
- Nakae, Yoshio; Kinoshita, Akiyo; and Tanaka, Koichi, 4,811,521, Cl. 51-5.00D.
- Okushi, Akira; Myogatani, Shigeharu; Murata, Kazuhito; Hamaguchi, Yoshitsugu; and Tanaka, Koichi, 4,835,547, Cl. 346-76.0PH.
- Toda, Fumio; Tanaka, Koichi; and Nakata, Tetsuya, 4,841,081, Cl. 549-541.000.

Tanaka, Koji; Takemoto, Katsuo; and Sakai, Yasushi, to Tosoh Corporation. Process for producing a high softening point hydrocarbon resin. 4,857,617, 8-15-89, Cl. 526-237.000.

Tanaka, Koji; Nishikawa, Kazunori; and Yamada, Kazuya, to Victor Company of Japan, Ltd. Method and apparatus for error correction. 4,885,750, 12-5-89, Cl. 371-37.400.

Tanaka, Koji: *See—*
- Shikanai, Naoki; Okuhara, Tetsuo; and Tanaka, Koji, 4,834,562, Cl. 400-54.000.
- Yamada, Kazuya; Nishikawa, Kazunori; and Tanaka, Koji, 4,811,370, Cl. 377-54.000.
- Yamada, Kazuya; Nishikawa, Kazunori; Tanaka, Koji; and Yamada, Yasuhiro, 4,868,827, Cl. 371-37.500.

Tanaka, Kojii, to Japan Exlan Company Limited. Water-swellable fiber. 4,873,143, 10-10-89, Cl. 428-373.000.

Tanaka, Kojiro: *See—*
- Hayashi, Yutaka; Kojima, Yoshikazu; Kamiya, Masaaki; and Tanaka, Kojiro, 4,821,236, Cl. 365-185.000.

Tanaka, Kunimaro: *See—*
- Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.

Tanaka, Kunio; Takegahara, Takashi; and Onishi, Yasushi, to Fanuc Ltd. NC data creation method. 4,799,143, 1-17-89, Cl. 364-191.000.

Tanaka, Kunio; and Onishi, Yasushi, to Fanuc Ltd. Method of creating program for drilling holes. 4,823,255, 4-18-89, Cl. 364-191.000.

Tanaka, Kunio; and Onishi, Yasushi, to Fanuc Ltd. Area cutting method. 4,823,273, 4-18-89, Cl. 364-474.290.

Tanaka, Kunio; and Onishi, Yasushi, to Fanuc Ltd. Area cutting method. 4,823,275, 4-18-89, Cl. 364-474.000.

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Tanaka, Kunio: *See—*
- Kishi, Hajimu; Tanaka, Kunio; Yukutomo, Masashi; and Matsumura, Teruyuki, 4,884,211, Cl. 364-474.220.

Tanaka, Kunitada: *See—*
- Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Tanaka, Kunitada; and Hisanaga, Yorisato, 4,847,366, Cl. 536-23.000.

Tanaka, Makoto: *See—*
- Kitagawa, Masayuki; and Tanaka, Makoto, 4,841,076, Cl. 549-401.000.
- Shinkai, Masaru; Tanaka, Makoto; Aramaki, Jun; and Onizuka, Masaaki, 4,808,786, Cl. 219-69.00W.
- Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, 4,869,995, Cl. 430-270.000.
- Yatomi, Takeshi; and Tanaka, Makoto, 4,883,933, Cl. 219-69.120.

Tanaka Manufacturing Co., Ltd.: *See—*
- Tanaka, Yoshihisa, 4,819,941, Cl. 293-186.00A.

Tanaka, Masaaki: *See—*
- Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, 4,853,546, Cl. 250-432.0PD.
- Maeno, Satoru; Inoue, Kenji; Tanaka, Masaaki; and Ogita, Akira, 4,796,054, Cl. 355-8.000.

Tanaka, Masahi; Yamauchi, Shigekazu; and Mikita, Masaru, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Oxygen sensor and an air-fuel ratio control apparatus of an internal combustion engine using the same. 4,834,051, 5-30-89, Cl. 123-440.000.

Tanaka, Masahiro, to Asahi Seimitsu Kabushiki Kaisha. Scale balancing device in drawing machine. 4,837,938, 6-13-89, Cl. 33-438.000.

Tanaka, Masahiro: *See—*
Arai, Masakazu; and Tanaka, Masahiro, 4,818,451, Cl. 264-40.300.
Ishida, Muneo; Yamashita, Mithuo; Onishi, Masanari; and Tanaka, Masahiro, 4,840,104, Cl. 84-437.000.
Tanaka, Masakatsu: *See—*
Nara, Toshihiko; Takahashi, Tastuhiko; Tanaka, Masakatsu; Maue, Yusho; Tanaka, Naoyuki; Isono, Masaaki; and Nakamura, Yozo, 4,846,309, Cl. 187-20.000.
Tanaka, Masakazu: *See—*
Kyomen, Junsuke; Sakaguchi, Masayuki; Kajiwara, Hideki; Matsumoto, Keiji; Nishitani, Kenzo; Kawamura, Yoshinori; Ishihara, Katsuro; and Tanaka, Masakazu, 4,845,819, Cl. 29-157.10A.
Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, to Shin-Etsu Chemical Co., Ltd. Process for preparing organopolysiloxane emulsion. 4,814,376, 3-21-89, Cl. 524-588.000.
Tanaka, Masaki: *See—*
Shinozaki, Nobuo; Tagami, Shigeru; Tanaka, Masaki; and Niwa, Katauhito, 4,864,346, Cl. 354-439.000.
Tanaka, Masami, to Minolta Camera Kabushiki Kaisha. Compact zoom lens system for video camera. 4,824,226, 4-25-89, Cl. 350-427.000.
Tanaka, Masami: *See—*
Murata, Shizuo; Emoto, Naoyoshi; Furukawa, Kenji; Kunimune, Kouichi; Kobayashi, Ryuji; and Tanaka, Masami, 4,864,008, Cl. 528-125.000.
Tanaka, Masanao: *See—*
Hattori, Tsuyoshi; Tanaka, Masanao; and Matsuzaka, Syoji, 4,873,576, Cl. 358-224.000.
Tanaka, Masanori, to Hosiden Electronics Co., Ltd. Telephone connector. 4,875,872, 10-24-89, Cl. 439-344.000.
Tanaka, Masanori: *See—*
Kobayashi, Osamu; Sugimoto, Osamu; Furuya, Yonezou; Ishida, Takeshi; Tanaka, Masanori; and Ishii, Jun, 4,881,630, Cl. 194-203.000.
Usui, Kiochi; Sato, Teiji; Tanaka, Masanori; and Takahashi, Noriyuki, 4,830,843, Cl. 423-331.000.
Tanaka, Masao, to Metro Denso Kabushiki Kaisha. Time difference switch. 4,845,320, 7-4-89, Cl. 200-1.00B.
Tanaka, Masao, to Metro Denso Kabushiki Kaisha. Self canceller for a turn signal indicator. 4,859,816, 8-22-89, Cl. 200-61.270.
Tanaka, Masao: *See—*
Hiai, Atsuhiko; Wakimura. Kazuo; Tanaka, Masao; and Tanaka, Takao, 4,869,925, Cl. 427-96.000.
Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, 4,810,482, Cl. 423-347.000.
Tanaka, Masaru; and Oka, Seiji, to Ricoh Company, Ltd. Magnetic brush development device for electrostatic latent images. 4,800,411, 1-24-89, Cl. 355-3.0DD.
Tanaka, Masashi: *See—*
Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, 4,882,253, Cl. 430-59.000.
Kubo, Yoshimasa; Hondo, Masao; Tanaka, Masashi; and Asahi, Akihiko, 4,873,195, Cl. 435-254.000.
Tanaka, Masataka; Ohto, Masao; Sekine, Tetsuo; Takahashi, Hiroshi; and Maruyama, Masaru, to Hakko Electric Machine Works Co., Ltd. Set of double needles for injecting liquid medicine. 4,846,799, 7-11-89, Cl. 604-158.000.
Tanaka, Masato; Kobayashi, Toshiaki; and akura, Toshiyasu, to Director-General of Agency of Industrial Science and Technology. Process of producing α-keto acids. 4,820,823, 4-11-89, Cl. 548-200.000.
Tanaka, Masato; Machida, Syuji; and Uoi, Michitake, to Idemitsu Kosan Company Limited. Ethylene copolymers and process for production. 4;833,224, 5-23-89, Cl. 526-329.000.
Tanaka, Masato; Machida, Syuji; and Uoi, Michitake, to Idemitsu Kosan Company Limited. Process for production of ethylene copolymers. 4,843,135, 6-27-89, Cl. 526-169.000.
Tanaka, Masato; and Kan, Toshiya, to Sony Corporation. Sensorless brushless motor. 4,874,993, 10-17-89, Cl. 318-254.000.
Tanaka, Masato: *See—*
Katoku, Takashi; and Tanaka, Masato, 4,858,848, Cl. 242-198.000.
Nishizawa, Hisao; Morita, Masaru; and Tanaka, Masato, 4,871,417, Cl. 156-640.000.
Okuma, Kuniaki; Maezawa, Ikuo; Koizumi, Hideharu; Tanaka, Masato; and Kida, Hironobu, 4,832,176, Cl. 198-418.100.
Tanaka, Masatoshi, to Sumitomo Electric Industries, Ltd. Method of manufacturing an electric resistance element. 4,849,251, 7-18-89, Cl. 427-101.000.
Tanaka, Masatoshi, to Hitachi Medical Corporation. Scintillation camera. 4,882,495, 11-21-89, Cl. 250-363.090.
Tanaka, Masayuki: *See—*
Hosoda, Naoyuki; Tanaka, Masayuki; and Mori, Tamotsu, 4,885,135, Cl. 420-507.000.
Mashimo, Satoshi; Kitajima, Tatsuya; Tanaka, Masayuki; and Kuramoto, Shinji, 4,852,625, Cl. 152-511.000.
Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.
Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Onnishi, Masaru, 4,839,667, Cl. 346-76.0PH.
Shishido, Hideomi; Doi, Shigeo; Sumida, Hideki; and Tanaka, Masayuki, 4,856,781, Cl. 273-65.00E.
Tanaka, Masumi: *See—*
Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi; and Tanaka, Masumi, 4,797,690, Cl. 346-105.000.
Tanaka, Menmei: *See—*
Fujii, Kenichi; and Tanaka, Menmei, 4,824,266, Cl. 400-120.000.
Tanaka, Michio: *See—*
Kitabayashi, Masayuki; and Tanaka, Michio, 4,878,886, Cl. 474-204.000.
Tanaka, Mikio: *See—*
Inoue, Hajime; and Tanaka, Mikio, 4,890,168, Cl. 358-335.000.
Tanaka, Minoru: *See—*
Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.
Tanimoto, Hiroshi; Tanaka, Minoru; and Yoshida, Satoru, 4,866,767, Cl. 379-398.000.
Terahara, Akira; and Tanaka, Minoru, 4,820,865, Cl. 560-256.000.
Terahara, Akira; and Tanaka, Minoru, 4,866,093, Cl. 514-510.000.
Tanaka, Mitsugu; and Sakai, Takeo, to Fuji Photo Film Co., Ltd. Recording liquid. 4,824,485, 4-25-89, Cl. 106-22.000.
Tanaka, Mitsunori: *See—*
Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
Tanaka, Mitsutaka: *See—*
Takanohashi, Kunio; Tanaka, Mitsutaka; and Yamano, Toru, 4,845,246, Cl. 549-315.000.
Tanaka, Mitsutoshi; Arai, Fuminori; Terashima, Kaoru; and Yaginuma, Nakatsugu, to Fuji Photo Film Co., Ltd. Integral multilayer analytical element for determining calcium and its use. 4,871,679, 10-3-89, Cl. 436-79.000.
Tanaka, Motoaki; Miyagawa, Tsutomu; and Takeuchi, Hideo, to Wako Pure Chemical Industries, Ltd. 2,2'-Azobis(2,4-dimethylvaleronitrile) isomer mixture predominant in low melting isomer and having high solubility. 4,826,959, 5-2-89, Cl. 5[illegible]4-838.000.
Tanaka, Motoaki: *See—*
Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.
Watanabe, Yoshikazu; and Tanaka, Motoaki, 4,840,881, Cl. 430-512.000.
Tanaka, Motoo: *See—*
Kawabata, Yasujiro; Sekiguchi, Tatsuo; Tanaka, Motoo; Nakamura, Takayoshi; Matsumoto, Mutsuyoshi; and Manda, Eiichiro, 4,830,874, Cl. 427-47.000.
Tanaka, Muneo: *See—*
Yamazaki, Kazunori; Soyama, Yoshikazu; Tanaka, Muneo; and Kitamura, Chigusa. 4,820,509, Cl. 424-61.000.
Tanaka, Naoki: *See—*
Shinoda, Katsuro; Kawaguchi, Toshiyuki; Katsukawa, Hiroyuki; and Tanaka, Naoki, 4,833,726, Cl. 455-89.000.
Tanaka, Naoyuki: *See—*
Nara, Toshihiko; Takahashi, Tastuhiko; Tanaka, Masakatsu; Maue, Yusho; Tanaka, Naoyuki; Isono, Masaaki; and Nakamura, Yozo, 4,846,309, Cl. 187-20.000.
Tanaka, Noboru: *See—*
Osawa, Masao; Tsukasa, Fumihiro; Tomiyama, Sadayoshi; and Tanaka, Noboru, 4,846,291, Cl. 177-25.180.
Tanaka, Nobuhiro; and Matsuda, Takumi, to Seikosha Co., Ltd. Electricity supply structure for a piezoelectric vibrator. 4,821,257, 4-11-89, Cl. 368-255.000.
Tanaka, Nobuhiro, to Kao Corporation. Method of sorting goods and system therefor. 4,835,702, 5-30-89, Cl. 364-478.000.
Tanaka, Nobuhiro: *See—*
Ikuma, Susumu; and Tanaka, Nobuhiro, 4,821,249, Cl. 368-88.000.
Tanaka, Nobukazu: *See—*
Matsuda, Kazuo; Inaoa, Nobuaki; Kaminishi, Masashi; Funabashi, Tetsuji; and Tanaka, Nobukazu, 4,846,651, Cl. 425-145.000.
Tanaka, Nobuo; Tominaga, Satoshi; Okada, Hisao; and Yoshida, Toshihiko, to Sharp Kabushiki Kaisha. Computer system having automatic answering telephone function. 4,813,069, 3-14-89, Cl. 379-82.000.
Tanaka, Nobuo: *See—*
Ochi, Tatsuyuki; Tanaka, Nobuo; and Mio, Kohei, 4,874,238, Cl. 356-1.000.
Shimo, Hiroyuki; Kanesige, Isao; and Tanaka, Nobuo, 4,855,181, Cl. 428-336.000.
Tanaka, Nobutaka: *See—*
Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, 4,831,710, Cl. 29-434.000.
Tanaka, Nobuyoshi; Nakamura, Yoshio; Sugawa, Shigetoshi; and Ohzu, Hayao, to Canon Kabushiki Kaisha. Photoelectric conversion device with reduced fixed pattern noises. 4,810,896, 3-7-89, Cl. 250-578.000.
Tanaka, Nobuyoshi; Suzuki, Toshiji; Suzuki, Tsuneo; Ozaki, Masaharu; Sugawa, Shigetoshi; and Shinohara, Mahito, to Canon Kabushiki Kaisha. Image sensor device having plural photoelectric converting elements. 4,831,454, 5-16-89, Cl. 358-213.310.
Tanaka, Nobuyoshi: *See—*
Sugawa, Shigetoshi; Tanaka, Nobuyoshi; Suzuki, Toshiji; and Ishizaki, Akira, 4,835,404, Cl. 250-578.000.

Sugawa, Shigetoshi, Tanaka, Nobuyoshi; Suzuki, Toshiji; Ohmi, Tadahiro; and Harada, Tadanori, 4,847,668, Cl. 357-30.000.
Sugawa, Shigetoshi; Nakamura, Yoshio; Tanaka, Nobuyoshi; and Ueno, Isamu, 4,879,470, Cl. 250-578.000.
Tokumitsu, Jun; Saito, Kenji; Handa, Yuichi; Tanaka, Nobuyoshi; and Nojiri, Hidetoshi, 4,815,027, Cl. 364-841.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of compressing and reconstructing image signals by vector quantization. 4,797,739, 1-10-89, Cl. 358-133.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Image signal encoding method by orthogonal transformation. 4,797,944, 1-10-89, Cl. 382-56.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of smoothing image data. 4,800,511, 1-24-89, Cl. 364-521.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of image signal encoding by orthogonal transformation. 4,805,030, 2-14-89, Cl. 358-260.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of reconstructing image from compression-processed image signals. 4,807,029, 2-21-89, Cl. 358-133.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of image signal encoding by orthogonal transformation. 4,807,042, 2-21-89, Cl. 358-260.000.
Tanaka, Nobuyuki; and Akita, Kazunori, to Mitsubishi Denki Kabushiki Kaisha. Apparatus having cassette loading and unloading functions and an operation mode selecting function. 4,809,100, 2-28-89, Cl. 360-96.100.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of smoothing image signals. 4,827,533, 5-2-89, Cl. 382-54.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of compressing image signals using vector quantization. 4,853,778, 8-1-89, Cl. 358-133.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co. Ltd. Image signal compressing method by vector quantization. 4,862,261, 8-29-89, Cl. 358-133.000.
Tanaka, Nobuyuki, to Fuji Photo Film Co., Ltd. Method of compressing image signals by vector quantization. 4,862,262, 8-29-89, Cl. 358-133.000.
Tanaka, Nobuyuki; Inami, Yasuhiko; Hijikigawa, Masaya; and Kataoka, Shoei, to Sharp Kabushiki Kaisha. Flow sensor. 4,885,937, 12-12-89, Cl. 73-189.000.
Tanaka, Noriaki, to Mitsubishi Denki Kabushiki Kaisha. Display control apparatus. 4,799,051, 1-17-89, Cl. 340-811.000.
Tanaka, Noriaki: *See—*
Kosaka, Akira; Murao, Sawao; Hirano, Kenichi; Tanaka, Noriaki; and Matsunaga, Kuniyoshi, 4,839,279, Cl. 435-25.000.
Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama, Satoshi; and Kikuchi, Keiichi, to Pilot Man-Nen-Hitsu Kabushiki Kaisha. Heat transfer medium. 4,840,837, 6-20-89, Cl. 428-216.000.
Tanaka, Norihiko: *See—*
Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
Tanaka, Noriko, to Okuno Chemical Industries Co., Ltd. Zinc-nickel alloy plating bath and plating method. 4,861,442, 8-29-89, Cl. 204-44.200.
Tanaka, Norio: *See—*
Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, 4,885,022, Cl. 71-86.000.
Hagihara, Hisao; Banno, Takayuki; Miya, Shigenori; and Tanaka, Norio, 4,876,778, Cl. 29-157.30A.
Tanaka, Noritoshi, to Diesel Kiki Co., Ltd. Fuel injection nozzle. 4,830,285, 5-16-89, Cl. 239-533.600.
Tanaka, Nubuo: *See—*
Iwata, Yoichi; Tanaka, Nubuo; and Katurayama, Junichi, 4,807,294, Cl. 381-190.000.
Tanaka, Osamu, to Minolta Camera Kabushiki Kaisha. Close-up photographing device. 4,870,436, 9-26-89, Cl. 354-195.100.
Tanaka, Osamu: *See—*
Mikuni, Yoshio; and Tanaka, Osamu, 4,817,545, Cl. 112-241.000.
Nakayama, Hisanobu; Tanaka, Osamu; Yasumoto, Hiromichi; Senoo, Seiichi; Zaizen, Youichi; and Yamasaki, Kouji, 4,875,947, Cl. 148-113.000.
Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
Yoshida, Makoto; Higuchi, Seijun; Izaki, Teruaki, and Tanaka, Osamu, 4,846,939, Cl. 204-15.000.
Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.
Tanaka, Saburo: *See—*
Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, 4,880,773, Cl. 505-1.000.
Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, to Seikosha Co., Ltd. Projection type liquid crystal displaying device. 4,796,978, 1-10-89, Cl. 350-337.000.
Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, to Seikosha Co., Ltd. Projection type liquid crystal displaying device. 4,861,142, 8-29-89, Cl. 350-345.000.
Tanaka, Sakae: *See—*
Furukawa, Mitsuhiko; Kitahira, Takashi; Tanaka, Sakae; and Misumi, Kiyohito, 4,874,725, Cl. 501-89.000.
Tanaka, Sakuya: *See—*
Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,839,361, Cl. 514-252.000.
Seto, Kiyotomo; Sakoda, Ryozo; Matsumoto, Hiroo; Kamikawaji, Yoshimasa; and Tanaka, Sakuya, 4,843,076, Cl. 514-252.000
Seto, Kiyotomo; Tanaka, Sakuya; and Sakoda, Ryozo, 4,885,284, Cl. 514-89.000.
Tanaka, Satoru; Takada, Seizou; and Matsuura, Tamiaki, to Sony Corporation. Apparatus for supplying electronic parts having polarity. 4,818,381, 4-4-89, Cl. 209-573.000.
Tanaka, Satoru: *See—*
Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, 4,874,869, Cl. 548-309.000.
Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, to Hitachi, Ltd. Semiconductor circuit. 4,847,550, 7-11-89, Cl. 323-313.000.
Tanaka, Satoshi: *See—*
Hagiwara, Yoichi; Shimizu, Kenichi; and Tanaka, Satoshi, 4,806,160, Cl. 106-1.120.
Kinoshita, Taizo; Tanaka, Satoshi; Tanaka, Hirotoshi; Kotera, Nobuo; and Nagata, Minoru, 4,881,044, Cl. 330-253.000.
Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.
Nishimura, Hiroshi; and Tanaka, Satoshi, 4,883,529, Cl. 65-281.000.
Tanaka, Hirotoshi; Tanaka, Satoshi; Kinoshita, Taizo; Kotera, Nobuo; and Nagata, Minoru, 4,825,145, Cl. 323-315.000.
Tanaka, Seiichi: *See—*
Koike, Yutaka; Nakano, Masato; Atsuumi, Shugo; Tanaka, Seiichi; Morishima, Hajime; and Matsuyama, Kenji, 4,851,387, Cl. 514-17.000.
Nagano, Fumikazu; and Tanaka, Seiichi, 4,809,083, Cl. 358-287.000.
Tanaka, Seiji; and Nakagawa, Hideshi, to Sharp Kabushiki Kaisha. Heating apparatus for heating in a plurality of heating modes. 4,853,519, 8-1-89, Cl. 219-497.000.
Tanaka Seiki Co., Ltd.: *See—*
Takeda, Kyoji; and Suekane, Yoji, 4,878,628, Cl. 242-7.080.
Tanaka Seiko Co., Ltd.: *See—*
Takeda, Shuji, 4,823,459, Cl. 29-563.000.
Tanaka, Seizo, to Mitsubishi Denki Kabushiki Kaisha. Device for forecasting breakage cables in an industrial robot. 4,873,511, 10-10-89, Cl. 340-677.000.
Tanaka, Seizou; and Ando, Ryuichi, to Nippon Seiki Co., Ltd. Instrument with crossed-coil type movable magnet. 4,827,209, 5-2-89, Cl. 324-143.000.
Tanaka, Seizou: *See—*
Sasaki, Setsuo; Iwaya, Shoichi; Taguchi, Teruo; Tanaka, Seizou; Satoh, Takeyoshi; and Koganebuchi, Mutsuo, 4,811,161, Cl. 361-302.000.
Tanaka, Shigemori: *See—*
Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and H[illegible]amura, Masafumi, 4,877,701, Cl. 430-59.000.
Tanaka, Shigenobu; and Arai, Tomohisa, to NEC Corporation. Apparatus for controlling peripheral equipment. 4,881,169, 11-14-89, Cl. 364-200.000.
Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa. Cooling drum for continuous-casting machines for manufacturing thin metallic strip. 4,887,662, 12-19-89, Cl. 164-427.000.
Tanaka, Shigeo; Okumura, Mitsuhiro; Kajiwara, Makoto; and Miyoshi, Masanobu, to Konica Corporation. Silver halide photographic light-sensitive material. 4,863,846, 9-5-89, Cl. 430-572.000.
Tanaka, Shigeo; Sakai, Jiro; Fukao, Tomohisa; Wakatsuki, Kizuku; and Wakamatsu, Kazuki, to Sumitomo Chemical Company, Limited. Resin composition. 4,883,842, 11-28-89, Cl. 525-240.000.
Tanaka, Shigeo: *See—*
Ishizuka, Yutaka; Kaizaki, Masanori; and Tanaka, Shigeo, 4,815,362, Cl. 98-41.100.
Nagao, Teruyuki; and Tanaka, Shigeo, 4,848,214, Cl. 98-31.600.
Ohbayashi, Keiji; Okumura, Mitsuhiro; Kojima, Takaaki; and Tanaka, Shigeo, 4,818,671, Cl. 430-550.000.
Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,830,958, Cl. 430-567.000.
Okumura, Mitsuhiro; Ohbayashi, Keiji; and Tanaka, Shigeo, 4,863,844, Cl. 430-569.000.
Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Tanaka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
Tanaka, Shigeru; and Ishiyama, Fumio, to Kabushiki Kaisha Toshiba. Voltage-resonance type power supply circuit for X-ray tube. 4,797,908, 1-10-89, Cl. 378-105.000.
Tanaka, Shigeru, to Kabushiki Kaisha Toshiba. Rotary anode type x-ray apparatus. 4,819,259, 4-4-89, Cl. 378-125.000.
Tanaka, Shigeru, to Kabushiki Kaisha Toshiba. Semiconductor frame buffer memory. 4,833,657, 5-23-89, Cl. 365-230.040.
Tanaka, Shigeru, to Kabushiki Kaisha Toshiba. AC motor drive apparatus. 4,843,296, 6-27-89, Cl. 318-800.000.
Tanaka, Shigeru: *See—*
Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya,

Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.

Tanaka, Shigetaka; Tanigawa, Toshiaki; and Kaga, Mitsuru, to Ricoh Company, Ltd. Digital modulator/demodulator including non-linear analog-to-digital converter and circuitry compensating for the nonlinearity of the converter. 4,800,574, 1-24-89, Cl. 375-26.000.

Tanaka, Shigeyoshi, to Kabushiki Kaisha Watanabe Kogyo. Squeezing and chamfering device for tube end. 4,827,754, 5-9-89, Cl. 72-316.000.

Tanaka, Shingo; Nishikawa, Hideyo; and Kawabe, Kuniyasu, to Kao Corporation. Toner composition for electrophotography. 4,804,622, 2-14-89, Cl. 430-109.000.

Tanaka, Shingo: *See—*
  Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.
  Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, 4,863,824, Cl. 430-109.000.

Tanaka, Shinichi; and Ishibashi, Hiromichi, to Matsushita Electric Industrial Co., Ltd. Optical head with easily adjustable collimator having two lens components. 4,823,334, 4-18-89, Cl. 369-112.000.

Tanaka, Shinichi; Koudo, Toshikazu; and Kushisaka, Tohru, to Matsushita Electric Industrial Co., Ltd. Digital information reproducing apparatus. 4,852,126, 7-25-89, Cl. 375-76.000.

Tanaka, Shinichi; and Matsukawa, Shigeru, to Matsushita Electric Industrial Co., Ltd. Method of formatting a storage medium and drive unit for controlling the reading and writing of data on the formatted storage medium. 4,862,295, 8-29-89, Cl. 360-48.000.

Tanaka, Shinichi: *See—*
  Azuma, Daisuke; Ohta, Yoshiji; and Tanaka, Shinichi, 4,888,631, Cl. 357-23.600.
  Hattori, Kenji; Tanaka, Hiroshi; and Tanaka, Shinichi, 4,835,505, Cl. 335-302.000.
  Kodo, Toshikazu; and Tanaka, Shinichi, 4,875,202, Cl. 369-32.000.

Tanaka, Shinichiro: *See—*
  Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.

Tanaka, Shinji: *See—*
  Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.
  Mano, Hiroyuki; Tachiuchi, Tsuguji; Kinugawa, Kiyoshige; and Tanaka, Shinji, 4,855,728, Cl. 340-805.000.
  Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.

Tanaka, Shinsaku; and Kido, Kunio, to Tanashin Denki Co., Ltd. Automatic reverse mechanism for tape recorder. 4,800,451, 1-24-89, Cl. 360-74.200.

Tanaka, Shinsaku; and Kido, Kunio, to Tanashin Denki Co., Ltd. Auto reverse tape recorder. 4,802,029, 1-31-89, Cl. 360-74.100.

Tanaka, Shinsaku; Arata, Tadao; and Kitazawa, Takayuki, to Tanashin Denki Co., Ltd. Cassette holding device for a tape recorder. 4,802,037, 1-31-89, Cl. 360-96.500.

Tanaka, Shinsaku; and Yoshimura, Toshio, to Tanashin Denki Co., Ltd. Rotatably supporting structure. 4,806,024, 2-21-89, Cl. 384-125.000.

Tanaka, Shinsaku; and Arata, Tadao, to Tanashin Denki Co., Ltd. Automatic stopping mechanism for a tape feeding device. 4,809,101, 2-28-89, Cl. 360-96.400.

Tanaka, Shinsaku; and Yoshimura, Toshio, to Tanashin Denki Co., Ltd. Tape running direction changeover mechanism with automatic tape head azimuth alignment. 4,809,108, 2-28-89, Cl. 360-109.000.

Tanaka, Shinsaku; and Arata, Tadao, to Tanashin Denki Co., Ltd. Dubbing tape recorder having a common tape driving motor. 4,816,943, 3-28-89, Cl. 360-92.000.

Tanaka, Shinsuke; Imamura, Nobutake; and Ota, Chuichi, to Kokusai Denshin Denwa Kabushiki Kaisha. Magneto-optical recording medium. 4,814,238, 3-21-89, Cl. 428-692.000.

Tanaka, Shinya: *See—*
  Soma, Masahiro; and Tanaka, Shinya, 4,881,065, Cl. 340-710.000.

Tanaka, Shoichi, to Toshiba Kikai Kabushiki Kaisha. Apparatus for treating thermoplastic resin. 4,802,769, 2-7-89, Cl. 366-75.000.

Tanaka, Shoji: *See—*
  Oshima, Takehiro; Tanaka, Shoji; and Matsukura, Shigekazu, 4,871,663, Cl. 435-68.000.

Tanaka, Shotaro; Ikezaki, Masao; Ono, Yukiko; and Sasanuma, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Communication system. 4,872,162, 10-3-89, Cl. 370-85.120.

Tanaka, Shouji: *See—*
  Ohyama, Hiroshi; Hobara, Satoshi; Tsujimoto, Kazuyuki; and Tanaka, Shouji, 4,822,814, Cl. 514-440.000.

Tanaka, Shuhei: *See—*
  Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Katsuki, Kazuo; and Tanaka, Shuhei, 4,845,766, Cl. 382-32.000.

Tanaka, Shunichiro; Sayano, Akio; and Kameda, Tsuneji, to Kabushiki Kaisha Toshiba. Metallizing composition for sintered ceramic article. 4,820,562, 4-11-89, Cl. 428-34.600.

Tanaka, Shunji; and Matsumura, Naoki, to NEC Corporation. Encoder capable of removing interaction between adjacent frames. 4,809,330, 2-28-89, Cl. 381-40.000.

Tanaka, Shunji, to Japan Pionics, Ltd. Self-contained closed-circuit oxygen-generating breathing apparatus. 4,817,597, 4-4-89, Cl. 128-205.170.

Tanaka, Shunji; and Umeno, Hidenori, to Hitachi, Ltd. Input-output control method in a virtual machine system. 4,887,202, 12-12-89, Cl. 364-200.000.

Tanaka, Soichi: *See—*
  Ishizaki, Makoto; Sato, Takateru; Tanaka, Soichi; and Kariu, Keiki, 4,839,055, Cl. 210-641.000.

Tanaka, Souhei: *See—*
  Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, 4,829,664, Cl. 29-840.000.
  Kabeshita, Akira; Hamane, Tokuhito; and Tanaka, Souhei, 4,829,665, Cl. 29-840.000.

Tanaka, Sueyosi: *See—*
  Sakai, Kunito; Tanaka, Sueyosi; Tutumi, Yasutugu; and Morita, Yutaka, 4,826,931, Cl. 525-523.000.

Tanaka, Sumio; Sato, Masaki; Saito, Shinji; Atsumi, Shigeru; and Ohtsuka, Nobuaki, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory. 4,825,271, 4-25-89, Cl. 357-23.500.

Tanaka, Sumio; and Atsumi, Shigeru, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device with a bias circuit. 4,843,594, 6-27-89, Cl. 365-185.000.

Tanaka, Sumio; Atsumi, Shigeru; and Saito, Shinji, to Kabushiki Kaisha Toshiba. Nonvolatile semiconductor memory device. 4,884,241, 11-28-89, Cl. 365-210.000.

Tanaka, Sumio: *See—*
  Atsumi, Shigeru; Tanaka, Sumio; Saito, Shinji; and Otsuka, Nobauki, 4,879,689, Cl. 365-201.000.
  Saito, Shinji; Atsumi, Shigeru; and Tanaka, Sumio, 4,860,260, Cl. 365-201.000.

Tanaka, Susumu, to NEC Corporation. Coding device selectively connected to a transmission line. 4,807,250, 2-21-89, Cl. 375-28.000.

Tanaka, Susumu; Shibazaki, Kenji; and Nakatani, Keiji, to Minolta Camera Kabushiki Kaisha. Programmable copying apparatus. 4,816,864, 3-28-89, Cl. 355-14.00R.

Tanaka, Susumu; Sato, Masaaki; Kaeriyama, Kyoji; Suda, Yoshio; and Hiraide, Takao, to Agency of Industrial Science and Technology and Ministry of International Trade and Industry. Thiophene derivative polymer and a polymer composition thereof. 4,877,852, 10-31-89, Cl. 526-256.000.

Tanaka, Syuji: *See—*
  Shimizu, Takaaki; and Tanaka, Syuji, 4,883,521, Cl. 65-17.000.

Tanaka, Tadamasa: *See—*
  Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, Toru; and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.

Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle suspension apparatus. 4,846,496, 7-11-89, Cl. 280-689.000.

Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle suspension apparatus. 4,852,903, 8-1-89, Cl. 280-689.000.

Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Vehicle suspension apparatus. 4,852,905, 8-1-89, Cl. 280-707.000.

Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Mitsubishi Denki Kabushiki Kaisha. Vehicle suspension apperatus. 4,856,813, 8-15-89, Cl. 280-703.000.

Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha; and Mitsubishi Denki Kabushiki Kaisha. Vehicle suspension apparatus. 4,856,815, 8-15-89, Cl. 280-707.000.

Tanaka, Tadao; Mitsui, Takeshi; Takizawa, Shozo; and Fukuyama, Kazuo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Flow control apparatus. 4,887,632, 12-19-89, Cl. 137-117.000.

Tanaka, Tadao: *See—*
  Harara, Mitsuhiko; Takizawa, Shozo; Tanaka, Tadao; Wada, Shunichi; and Ohtagaki, Shigeki, 4,887,840, Cl. 280-707.000.

Tanaka, Tadashi, to Murata Kikai Kabushiki Kaisha. Harness skip detecting method in dobby. 4,827,986, 5-9-89, Cl. 139-337.000.

Tanaka, Takafumi: *See—*
  Horie, Fujio; and Tanaka, Takafumi, 4,827,858, Cl. 112-456.000.
  Horie, Fujio; and Tanaka, Takafumi, 4,869 189, Cl. 112-453.000.

Tanaka, Takaharu; Saitoh, Masayuki; Higuchi, Naoki; and Hashimoto, Masaki, to Suntory Limited. Dipeptide derivative and synthesis and use thereof. 4,873,342, 10-10-89, Cl. 548-518.000.

Tanaka, Takaharu: *See—*
  Higuchi, Naoki; Saitoh, Masayuki; Hashimoto, Masaki; Fukami, Harukazu; and Tanaka, Takaharu, 4,826,870, Cl. 514-422.000.
  Saitoh, Masayuki; Tanaka, Takaharu; Higuchi, Naoki; Hashimoto, Masaki; and Fukami, Harukazu, 4,810,721, Cl. 514-422.000.

Tanaka, Takahiko; Hisanaga, Naogi; Yamamoto, Takeshi; Okazaki, Susumu; and Kajimoto, Shinshi, to Mazda Motor Corporation. Controlling circuit for window wiper accommodating apparatus. 4,852,205, 8-1-89, Cl. 15-250.170.

Tanaka, Takao: *See—*
  Hiai, Atsuhiko; Wakimura, Kazuo; Tanaka, Masao; and Tanaka, Takao, 4,869,925, Cl. 427-96.000.
  Kishino, Kazuo; Tanaka, Takao; Shigenobu, Michio; Hirabayashi, Hiromitsu; Hibi, Takashi; and Kusaka, Kensaku, 4,823,689, Cl. 100-155.00R.

Tanaka, Takashi; and Watanabe, Yoshiyuki, to Toshiba Ceramics Co., Ltd. Method for making a furnace component. 4,859,385, 8-22-89, Cl. 264-62.000.

Tanaka, Takashi; and Watanabe, Yoshiyuki, to Toshiba Ceramics Co., Ltd. Method of making semi-conductor diffusion furnace components. 4,863,657, 9-5-89, Cl. 264-62.000.

Tanaka, Takashi; Sano, Takezo; and Shimizu, Tsutomu, to Omron Tateisi Electronics Co. Electromagnetic relay. 4,881,053, 11-14-89, Cl. 335-80.000.

Tanaka, Takashi; Imura, Satoshi; and Kida, Yasuji, to Tokuyama Soda Kabushiki Kaisha. Photochromatic compounds. 4,882,438, 11-21-89, Cl. 548-407.000.

Tanaka, Takashi: *See—*
  Hayashi, Kenro; and Tanaka, Takashi, 4,836,965, Cl. 264-60.000.
  Okamoto, Kaizo; Ichihara, Akira; Sato, Akimune; Hirata, Kenji; Hirayama, Katsuhisa; Hina, Eiji; Makaji, Shigeru; Sakamoto, Minoru; Tanaka, Takashi; and Shimizu, Keizo, 4,833,930, Cl. 73-864.450.
  Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, 4,830,762, Cl. 252-2.000.
  Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Shimizu, Masakatu; and Tanaka, Takashi, 4,879,050, Cl. 252-2.000.

Tanaka, Takeo: *See—*
  Yamada, Mamoru; and Tanaka, Takeo, 4,801,405, Cl. 252-609.000.

Tanaka, Takeru. Gear-shift lever having variable thickness walls. 4,794,812, 1-3-89, Cl. 74-473.00P.

Tanaka, Takeshi: *See—*
  Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, 4,832,144, Cl. 178-18.000.
  Murata, Hiroyuki; Chiji, Masahiro; Tanaka, Takeshi; Kuwahara, Tadao; Kiuchi, Harunaga; and Cho, Masamichi, 4,834,298, Cl. 241-5.000.
  Murata, Hiroyuki; Tanaka, Takeshi; Hino, Chouji; Kiuchi, Harunaga; and Chiji, Masahiro, 4,871,119, Cl. 241-189.00R.
  Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Tanaka, Taro; and Tanaka, Joji, to Wako Kabushiki Kaisha. Auto reverse mechanism for tape recorder/playback devices. 4,871,128, 10-3-89, Cl. 242-201.000.

Tanaka, Taro: *See—*
  Iwanami, Shigeki; Inagaki, Mitsuo; Sasaya, Hideaki; Tanaka, Taro; and Kojima, Akikazu, 4,886,423, Cl. 417-222.000.

Tanaka, Tatsuo; and Yoshida, Yoshihiro, to Kabushiki Kaisha Toshiba. Current mirror circuit. 4,857,864, 8-15-89, Cl. 330-288.000.

Tanaka, Tatuo: *See—*
  Tanaka, Masaki; Okada, Fumio; Oba, Toshio; Oohashi, Hiroshi; and Tanaka, Tatuo, 4,814,376, Cl. 524-588.000.

Tanaka, Teruo; Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, to Nisshin Steel Co., Ltd. Process for the production of a strip of a chromium stainless steel of a duplex structure having high strength and elongation as well as reduced plane antisotropy. 4,812,176, 3-14-89, Cl. 148-12.0EA.

Tanaka, Teruo, Miyakusu, Katsuhisa; and Fujimoto, Hiroshi, to Nisshin Steel Co., Ltd. Process for the production of a strip of a chromium stainless steel of a duplex structure having high strength and elongation as well as reduced plane anisotropy. 4,824,491, 4-25-89, Cl. 148-12.0EA.

Tanaka, Teruya; and Matsuo, Katsuharu, to Kabushiki Kaisha Toshiba. Induction heated cooking apparatus. 4,820,891, 4-11-89, Cl. 219-10.770.

Tanaka, Teruya; and Matsuo, Katsuharu, to Kabushiki Kaisha Toshiba. Temperature controller. 4,885,456, 12-5-89, Cl. 219-497.000.

Tanaka, Tomeo; and Oda, Toshikazu, to Anritsu Corporation. Dial device. 4,857,677, 8-15-89, Cl. 200-5.00R.

Tanaka, Tomiji: *See—*
  Aratani, Katsuhisa; Nakaoki, Ariyoshi; and Tanaka, Tomiji, 4,878,132, Cl. 360-59.000.

Tanaka, Tomio: *See—*
  Itoh, Hiroshi; Nakagawa, Toshimi; Nitta, Atsuhiko; Tanaka, Tomio; and Kamio, Hideo, 4,828,710, Cl. 210-675.000.

Tanaka, Tomohide: *See—*
  Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, 4,814,124, Cl. 264-41.000.

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  Konagaya, Yoshiaki; Tanaka, Tooru; Takaine, Masami; and Tsubouchi, Toshihiro, 4,801,437, Cl. 423-210.000.

Tanaka, Toru; Furuta, Tomiyoshi; and Suwa, Kazue, to Mitsubishi Gas Chemical Company, Inc. Process for producing pyromellitic acid. 4,824,992, 4-25-89, Cl. 562-416.000.

Tanaka, Toru; and Inari, Masato, to Mitsubishi Gas Chemical Company, Inc. Process for producing 2,6-naphthalene dicarboxylic acid. 4,886,506, 12-12-89, Cl. 562-416.000.

Tanaka, Toshiaki, to Kabushiki Kaisha Toshiba. Light emitting diode array having uniform illuminance distribution. 4,814,667, 3-21-89, Cl. 313-500.000.

Tanaka, Toshiaki, to Idemitsu Petrochemical Company Limited. Immersion oil for microscopy. 4,832,855, 5-23-89, Cl. 252-1.000.

Tanaka, Toshiaki; and Mizutani, Kiroyuki, to Kabushiki Kaisha Toshiba. Apparatus for displaying three-dimensional objects. 4,860,220, 8-22-89, Cl. 364-522.000.

Tanaka, Toshiaki, to Nissan Motor Co., Ltd. Diesel engine swirl chamber. 4,884,538, 12-5-89, Cl. 123-263.000.

Tanaka, Toshiaki: *See—*
  Hayashi, Kazutoshi; Nabetani, Hideo; Tanaka, Toshiaki; and Ishida, Kazushi, 4,803,316, Cl. 200-406.000.
  Tsuchida, Hirofumi; Tanaka, Toshiaki; Oyamada, Akira; and Hirao, Sumio, 4,875,444, Cl. 123-270.000.

Tanaka, Toshiharu: *See—*
  Ishige, Sadao; Usami, Toshimasa; Kamikawa, Hiroshi; and Tanaka, Toshiharu, 4,842,979, Cl. 430-138.000.
  Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, 4,868,444, Cl. 310-313.00A.
  Usami, Toshimasa; Tanaka, Toshiharu; and Hayashi, Takayuki, 4,865,939, Cl. 430-138.000.

Tanaka, Toshihiko; and Nishida, Masayuki, to Green Cross Corporation, The. Method of eliminating tumor cells and device therefor. 4,816,409, 3-28-89, Cl. 435-311.000.

Tanaka, Toshihiko: *See—*
  Fukuda, Hiroshi; Hasegawa, Norio; Tanaka, Toshihiko; and Kurosaki, Toshiei, 4,869,999, Cl. 430-311.000.
  Hiyama, Hisato; Joe, Yukiyasu; Kubota, Shunro; Tanaka, Toshihiko; and Kameda, Takuichi, 4,829,749, Cl. 53-538.000.
  Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.
  Moriuchi, Noboru; Yamaguchi, Yoshiki; Tanaka, Toshihiko; Hasegawa, Norio; Kawamoto, Yoshifumi; Kimura, Shin-ichiro; Kaga, Toru; and Kure, Tokuo, 4,882,289, Cl. 437-52.000.
  Taguchi, Satoshi; and Tanaka, Toshihiko, 4,816,383, Cl. 430-322.000.

Tanaka, Toshihiro; and Yamashita, Hiateru, to Kabushiki Kaisha Komatsu Seisakusho. Work indexing apparatus with a height adjustment for a pair of transfer bars. 4,819,786, 4-11-89, Cl. 198-621.000.

Tanaka, Toshihiro: *See—*
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Tanaka, Toshiji: *See—*
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Tanaka, Toshikiyo; Yoshida, Ichiro; and Yasuda, Hiroshi, to Toyo Boseki Kabushiki Kaisha. Water-resistant and high-strength laminate. 4,801,491, 1-31-89, Cl. 428-212.000.

Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Thrust compensation for flat-commutator starter. 4,816,712, 3-28-89, Cl. 310-237.000.

Tanaka, Toshinori; and Hamano, Isao, to Mitsubishi Denki Kabushiki Kaisha. Starting motor. 4,831,895, 5-23-89, Cl. 74-785.000.

Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Starter for engine. 4,838,100, 6-13-89, Cl. 74-7.00A.

Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Permanent magnet type electric motor. 4,851,727, 7-25-89, Cl. 310-154.000.

Tanaka, Toshinori, to Mitsubishi Denki Kabushiki Kaisha. Starter for engine. 4,852,417, 8-1-89, Cl. 74-7.00E.

Tanaka, Toshinori; Miyazaki, Shigekazu; and Morishita, Akira, to Mitsubishi Denki Kabushiki Kaisha. Armature. 4,876,473, 10-24-89, Cl. 310-216.000.

Tanaka, Toshinori; Isozumi, Shuzoo; and Konishi, Keiichi, to Mitsubishi Denki Kabushiki Kaisha. Starter. 4,886,306, 12-12-89, Cl. 290-48.000.

Tanaka, Toshinori: *See—*
  Isozumi, Shuzo; Odahara, Kazuhiro; and Tanaka, Toshinori, 4,808,836, Cl. 290-48.000.
  Isozumi, Shuzo; and Tanaka, Toshinori, 4,868,407, Cl. 290-48.000.
  Isozumi, Shuzoo; and Tanaka, Toshinori, 4,853,570, Cl. 310-78.000.
  Isozumi, Shuzoo; Odawara, Kazuhiro; and Tanaka, Toshinori, 4,868,442, Cl. 310-239.000.
  Morishita, Akira; and Tanaka, Toshinori, 4,819,975, Cl. 290-48.000.
  Morishita, Akira; Tanaka, Toshinori; and Isozumi, Shuzoo, 4,855,610, Cl. 290-48.000.
  Morishita, Akira; Konishi, Keiichi; and Tanaka, Toshinori, 4,859,895, Cl. 310-261.000.

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Tanaka, Toshio, to Toyota Jidosha Kabushiki Kaisha. Twin-tube type shock absorber with a base valve portion structure coupled by caulking. 4,815,576, 3-28-89, Cl. 188-315.000.

Tanaka, Toshio; and Sugai, Seiichi, to Higashi Fuji Manufacturing Co., Ltd. Drive apparatus for opening and closing mechanism. 4,831,314, 5-16-89, Cl. 318-484.000.

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Tanaka, Toshio: *See—*
  Takei, Toshio; and Tanaka, Toshio, 4,810,297, Cl. 106-186.000.
  Takei, Toshio; and Tanaka, Toshio, 4,888,422, Cl. 540-135.000.

Tanaka, Toshiyasu; Ariga, Sadakazu; and Suzuki, Mituyosi, to Du Pont de Nemours, E. I., and Company. Optical connector and plugs therefor. 4,813,760, 3-21-89, Cl. 350-96.210.

Tanaka, Toshiyuki; Kuga, Shigeki; Morishita, Taro; Nakamura, Nobuo; and Ohsaki, Mikio, to Sharp Kabushiki Kaisha. Inputting and editing system in a knowledge based inquiry and answer system. 4,837,689, 6-6-89, Cl. 364-419.000.

Tanaka, Toshiyuki: *See—*
  Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.
  Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.

- Tanaka, Toshizo: *See—*
  - Sakurai, Masao; Goto, Masayoshi; and Tanaka, Toshizo, 4,845,102, Cl. 514-263.000.
- Tanaka, Touichi: *See—*
  - Kubodera, Akiko; Tanaka, Touichi; and Komori, Yukimichi, 4,888,163, Cl. 424-1.100.
- Tanaka, Toyoaki; Ohira, Katuzi; Nakamura, Akira; Kamei, Ryosuke; and Hashimoto, Akihiro, to Showa Denko Kabushiki Kaisha. Elastic absorbent. 4,822,668, 4-18-89, Cl. 428-283.000.
- Tanaka, Tsugane: *See—*
  - Shimizu, Shin; Tanaka, Tsugane; Ohara, Osamu; and Inoue, Taisei, 4,818,321, Cl. 156-254.000.
- Tanaka, Tsunefumi, to Canon Kabushiki Kaisha. Focusing method for zoom lens. 4,840,468, 6-20-89, Cl. 350-427.000.
- Tanaka, Tsunefumi, to Canon Kabushiki Kaisha. Zoom lens. 4,842,385, 6-27-89, Cl. 350-427.000.
- Tanaka, Tsunefumi, to Canon Kabushiki Kaisha. Zoom lens system. 4,861,147, 8-29-89, Cl. 350-429.000.
- Tanaka, Tsunefumi: *See—*
  - Matsushita, Takashi; Takahashi, Sadatoshi; Kitagishi, Nozomu; Ikemori, Keiji; and Tanaka, Tsunefumi, 4,865,434, Cl. 350-430.000.
  - Takahashi, Sadatoshi; Ikemori, Keiji; Kitagishi, Nozomu; Tanaka, Tsunefumi; Matsushita, Takashi; and Momiyama, Kikuo, 4,830,477, Cl. 350-428.000.
- Tanaka, Tsunehiko: *See—*
  - Suzuki, Masamichi; Sano, Tadaaki; Suzuki, Toshihiro; and Tanaka, Tsunehiko, 4,888,218, Cl. 427-383.900.
- Tanaka, Tsuneo; and Mori, Katsuhisa, to Toyoda Koki Kabushiki Kaisha. Rotary servovalve for power-assisted steering system. 4,799,514, 1-24-89, Cl. 137-625.230.
- Tanaka, Tsuneo; Iwasa, Mikio; Kimura, Youichi; and Nakamura, Akira, to Matsushita Electric Industrial Co., Ltd. Directional loudspeaker system. 4,823,908, 4-25-89, Cl. 181-175.000.
- Tanaka, Tsuneo: *See—*
  - Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, 4,877,681, Cl. 428-336.000.
  - Murata, Kousaku; Takayama, Satoshi; Takewa, Hiroyuki; Saiki, Shuji; and Tanaka, Tsuneo, 4,803,242, Cl. 524-35.000.
  - Nakamura, Keiichi; Tanaka, Tsuneo; Inaguma, Yoshiharu; and Shiratori, Harunori, 4,798,050, Cl. 60-329.000.
- Tanaka, Tsutomu; and Oinaga, Yuji, to Fujitsu Limited. Buffer storage control system having a priority circuit. 4,800,490, 1-24-89, Cl. 364-200.000.
- Tanaka, Tsutomu: *See—*
  - Hurutachi, Hideaki; Takizawa, Takashi; and Tanaka, Tsutomu, 4,813,241, Cl. 62-209.000.
  - Moriyama, Motonori; Fujimura, Ikuo; Tanaka, Tsutomu; and Watanabe, Takeshi, 4,804,992, Cl. 354-471.000.
  - Tamada, Masuo; Tanaka, Tsutomu; and Matsuoka, Hideo, 4,822,990, Cl. 235-492.000.
  - Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812,866, Cl. 354-288.000.
- Tanaka, Tsuyoshi: *See—*
  - Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama, Satoshi; and Kikuchi, Keiichi, 4,840,837, Cl. 428-216.000.
- Tanaka, Yashihiro: *See—*
  - Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, 4,878,045, Cl. 340-556.000.
- Tanaka, Yasuhiko; Iwai, Fumio; Kobayashi, Hideo; and Komatsuzaki, Hiroshi, to Fuji Photo Film Co., Ltd. Camera. 4,829,328, 5-9-89, Cl. 354-173.100.
- Tanaka, Yasuhiko: *See—*
  - Asano, Seiji; and Tanaka, Yasuhiko, 4,799,073, Cl. 354-195.120.
  - Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, 4,812,866, Cl. 354-288.000.
- Tanaka, Yasuhiro; Nakajima, Yasuo; and Nagaoka, Yoshitomi, to Matsushita Electric Industrial Co., Ltd. Single optical lense with diffraction limit converging capability and wide field angle. 4,842,388, 6-27-89, Cl. 350-432.000.
- Tanaka, Yasunori; and Hashimoto, Hideo, to Kabushiki Kaisha Toshiba; and Tosbac Computer System Co., Ltd. Complementary semiconductor memory device with pull-up and pull down. 4,873,670, 10-10-89, Cl. 365-189.110.
- Tanaka, Yasunori: *See—*
  - Chino, Naoyoshi; Tanaka, Yasunori; Fukumura, Kenichi; and Hiraki, Yasuhito, 4,831,961, Cl. 118-410.000.
  - Hiraki, Yasuhito; Tanaka, Yasunori; and Noda, Shinji, 4,828,779, Cl. 264-171.000.
- Tanaka, Yasuo: *See—*
  - Izumi, Eiki; Tanaka, Yasuo; Watanabe, Hiroshi; and Nakamura, Shigetaka, 4,809,504, Cl. 60-430.000.
  - Izumida, Satoshi; Kitamura, Katsumi; Kurita, Masaru; and Tanaka, Yasuo, 4,834,458, Cl. 297-459.000.
  - Nakashima, Keishi; Iwata, Tetsuya; Tanaka, Yasuo; and Hashidate, Toshiaki, 4,811,142, Cl. 360-103.000.
  - Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
  - Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, 4,855,795, Cl. 357-2.000.
- Tanaka, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. Tuning method. 4,805,230, 2-14-89, Cl. 455-182.000.
- Tanaka, Yasushi, to Mitsubishi Denki Kabushiki Kaisha. Television signal selection device. 4,819,069, 4-4-89, Cl. 358-191.100.
- Tanaka, Yasushi: *See—*
  - Nakaoka, Kazuhide; Takada, Yoshikazu; and Tanaka, Yasushi, 4,832,762, Cl. 148-108.000.
- Tanaka, Yasutaka; Kojima, Hidetaka; and Tsuji, Yasuo, to Daicel Chemical Industries, Ltd. Process for preparing α-phenylpropionic acid derivative. 4,843,172, 6-27-89, Cl. 562-406.000.
- Tanaka, Yasuyuki; Takatsu, Haruyoshi; Takeuchi, Kiyohumi; and Tamura, Yuji, to Dainippon Ink and Chemicals, Inc. Nematic liquid crystal compound of four ring systems. 4,814,523, 3-21-89, Cl. 570-129.000.
- Tanaka, Yasuyuki; Ibata, Koichi; Mizuno, Masao; Ninagawa, Yoichi; and Nishida, Takashi, to Kuraray Co., Ltd. Polyprenyl composition or compounds and process for the production thereof. 4,886,904, 12-12-89, Cl. 560-249.000.
- Tanaka, Yasuyuki: *See—*
  - Takatsu, Haruyoshi; Sasaki, Makoto; Tanaka, Yasuyuki; and Sato, Hisato, 4,820,878, Cl. 568-659.000.
- Tanaka, Yoichiro: *See—*
  - Hayashi, Takatoshi; Fujiki, Norio; Tanaka, Yoichiro; Nishimoto, Takashi; and Kobayashi, Masakazu, 4,871,993, Cl. 340-439.000.
- Tanaka, Yoko: *See—*
  - DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, 4,851,400, Cl. 514-167.000.
  - DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, 4,857,518, Cl. 514-167.000.
- Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, to Honda Giken Kogyo Kabushiki Kaisha; and Kabushiki Kaisha Honda Rokku. Locking cable for antitheft devices. 4,878,045, 10-31-89, Cl. 340-556.000.
- Tanaka, Yoshiaki: *See—*
  - Hirama, Kouichi; Shouzi, Tomokazu; and Tanaka, Yoshiaki, 4,870,313, Cl. 310-320.000.
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
  - Ohtsuki, Tomonari; Igarashi, Yoshiaki; Uno, Toru; and Tanaka, Yoshiaki, 4,843,221, Cl. 235-441.000.
- Tanaka, Yoshiharu; Kouno, Eiichi; and Iwata, Joji, to NEC Corporation. Method of alignment between mask and semiconductor wafer. 4,815,854, 3-28-89, Cl. 356-356.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; and Ootsuka, Hiroshi, to Minolta Camera Kabushiki Kaisha. Shutter actuating device. 4,811,044, 3-7-89, Cl. 354-457.000.
- Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, to Minolta Camera Kabushiki Kaisha. Shutter apparatus for camera. 4,851,870, 7-25-89, Cl. 354-234.100.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,868,595, 9-19-89, Cl. 354-418.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, to Minolta Camera Kabushiki Kaisha. Photographic camera having a piezo-electric actuating element. 4,866,597, 9-19-89, Cl. 354-457.000.
- Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, to Minolta Camera Kabushiki Kaisha. Photographic camera having a piezo-electric actuating element. 4,873,544, 10-10-89, Cl. 354-457.000.
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- Tanaka, Yoshihiro; Ootsuka, Hiroshi; and Hayama, Koh, to Minolta Camera Kabushiki Kaisha. Piezoelectric actuating device. 4,884,090, 11-28-89, Cl. 354-234.100.
- Tanaka, Yoshihiro: *See—*
  - Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,8[illegible]09, Cl. 354-402.000.
- Tanaka, Yoshihisa, to Tanaka Manufacturing Co., Ltd. Device for determining swing speed of rotatable implements. 4,819,941, 4-11-89, Cl. 293-186.00A.
- Tanaka, Yoshikazu: *See—*
  - Ashikari, Toshihiko; Nakamura, Norihisa; Tanaka, Yoshikazu; Shibano, Yuji; and Yoshizumi, Hajime, 4,863,864, Cl. 435-205.000.
  - Iwasawa, Kyoko; and Tanaka, Yoshikazu, 4,821,181, Cl. 364-200.000.
  - Iwasawa, Kyoko; and Tanaka, Yoshikazu, 4,833,606, Cl. 364-300.000.
- Tanaka, Yoshiki: *See—*
  - Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.
- Tanaka, Yoshimasa, to Tanaka Homes, Ltd. Foundation for wooden buildings and construction method thereof. 4,848,050, 7-18-89, Cl. 52-169.100.

- Tanaka, Yoshimasa; and Tasaki, Yutaka, to Nissan Motor Co., Ltd. Exhaust manifold of internal combustion engine. 4,884,400, 12-5-89, Cl. 60-323.000.
- Tanaka, Yoshio; Fujii, Shigeru; Nishida, Takao; and Fujita, Yasushi, to Honda Giken Kogyo Kabushiki Kaisha. Portable engine-operated electric generator. 4,859,886, 8-22-89, Cl. 310-51.000.
- Tanaka, Yoshio; and Saitou, Shirou, to Kureha Chemical Industry Co., Ltd. Ultraviolet sterilizing apparatus. 4,877,964, 10-31-89, Cl. 250-455.100.
- Tanaka, Yoshio: *See—*
  - Matsuda, Hiro; Nakanishi, Hachiro; Kato, Masao; Tanaka, Yoshio; and Nakayama, Kazuo, 4,814,404, Cl. 526-285.000.
- Tanaka, Yoshito; and Umebayashi, Nobuhiro, to Hitachi Maxell, Ltd. Magnetic head supporting device. 4,875,121, 10-17-89, Cl. 360-129.000.
- Tanaka, Yoshito: *See—*
  - Inagoya, Osamu; Fujiwara, Hideo; Tanaka, Yoshito; and Ohnuki, Takeshi, 4,870,523, Cl. 360-122.000.
  - Umebayashi, Nobuhiro; and Tanaka, Yoshito, 4,796,129, Cl. 360-104.000.
  - Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.
- Tanaka, Yoshiyuki; Ii, Akira; Meguro, Taiichi; and Hayashi, Kenji, to Toyota Jidosha Kabushiki Kaisha. Method of and apparatus for controlling fuel injection quantity for internal combustion engine. 4,858,136, 8-15-89, Cl. 364-431.070.
- Tanaka, Yuichi: *See—*
  - Hiramatsu, Takeo; Takamiya, Bonnosuke; and Tanaka, Yuichi, 4,813,307, Cl. 74-866.000.
- Tanaka, Yuji: *See—*
  - Munakata, Kiyohiko; Tanaka, Yuji; and Chinomi, Isamu, 4,821,989, Cl. 248-430.000.
  - Yamazaki, Hiroshi; Hara, Toshiyuki; Tanaka, Yuji; and Mouri, Takayuki, 4,880,264, Cl. 292-226.000.
- Tanaka, Yukio: *See—*
  - Iwabuchi, Koji; Kubota, Tetsuo; Tanaka, Yukio; and Tawada, Masaharu, 4,868,359, Cl. 219-10.55D.
  - Karaki, Shintaro; Chigodo, Yoshikazu; Okane, Masaaki; and Tanaka, Yukio, 4,795,496, Cl. 134-8.000.
- Tanaka, Yukitaka; Nakamura, Minoru; Okada, Johshin; and Mansho, Kenji, to Kao Corporation. Suppository and base thereof. 4,837,214, 6-6-89, Cl. 514-179.000.
- Tanaka, Yukitaka; Omura, Hisao; Irinatsu, Yuuichi; Kobayashi, Takashi; and Noguchi, Aiko, to Kao Corporation. Cacao buttern substitute composition. 4,873,109, 10-10-89, Cl. 426-607.000.
- Tanaka, Yutaka; and Matsunaga, Osamu, to Sony Corporation. Video signal processing apparatus for separating luminance and chrominance signals by means of signal correlation. 4,839,727, 6-1[illegible]-89, Cl. 358-167.000.
- Tanaka, Yutaka; and Fukuda, Kenji, to Nitto Kohki Co., Ltd. Machine for chamfering the corner of an object to be processed. 4,881,857, 11-21-89, Cl. 409-138.000.
- Tanaka, Yutaka: *See—*
  - Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.
  - Shinkai, Kunio; Tanaka, Yutaka; and Yokoyama, Hachiro, 4,821,504, Cl. 57-276.000.
  - Yagoto, Mitsutoshi; Hamada, Akiyoshi; Mino, Masayuki; Tanaka, Yutaka; and Watanabe, Yutaka, 4,878,067, Cl. 346-108.000.
- Tanami, Yair; and Madar, Yoav. Protective system for protecting against assaults and/or intrusions. 4,821,017, 4-11-89, Cl. 340-430.000.
- Tanamura, Toshiya: *See—*
  - Oku, Seiji; Shimamura, Tooru; Naganawa, Kazutomo; and Tanamura, Toshiya, 4,875,042, Cl. 340-870.170.
- Tanasawa, Yasusi: *See—*
  - Ohkubo, Yoichiro; Idota, Yoshinori; and Tanasawa, Yasusi, 4,850,195, Cl. 60-738.000.
- Tanase, Kozo, to Howa Machinery, Ltd. Air-dust separation system for a pneumatic road-cleaning vehicle. 4,885,817, 12-12-89, Cl. 15-340.100.
- Tanase, Teruyoshi; and Matsunaga, Hatiro, to Mitsubishi Kinzoku Kabushiki Kaisha. Carbide-dispersed type Fe-base sintered alloy excellent in wear resistance. 4,844,738, 7-4-89, Cl. 75-241.000.
- Tanashin Denki Co., Ltd.: *See—*
  - Arata, Tadao, 4,875,113, Cl. 360-74.200.
  - Izumino, Satomi, 4,799,129, Cl. 361-428.000.
  - Tanaka, Shinsaku; and Kido, Kunio, 4,800,451, Cl. 360-74.200.
  - Tanaka, Shinsaku; and Kido, Kunio, 4,802,029, Cl. 360-74.100.
  - Tanaka, Shinsaku; Arata, Tadao; and Kitazawa, Takayuki, 4,802,037, Cl. 360-96.500.
  - Tanaka, Shinsaku; and Yoshimura, Toshio, 4,806,024, Cl. 384-125.000.
  - Tanaka, Shinsaku; and Arata, Tadao, 4,809,101, Cl. 360-96.400.
  - Tanaka, Shinsaku; and Yoshimura, Toshio, 4,809,108, Cl. 360-109.000.
  - Tanaka, Shinsaku; and Arata, Tadao, 4,816,943, Cl. 360-92.000.
  - Watanabe, Takashi, 4,802,036, Cl. 360-92.000.
  - Yoshimura, Toshio, 4,860,141, Cl. 360-130.210.
  - Yoshimura, Toshio, 4,885,648, Cl. 360-96.500.
- Tanatani, Akira; Abiru, Yasumasa; Sato, Nobumasa; and Kobayashi, Kaoru, to Nishikawa Rubber Co., Ltd. Wear-proof paint for polymers. 4,845,141, 7-4-89, Cl. 524-261.000.
- Tanavik: *See—*
  - Sandstrom, Gunnar; Wolf-Watz, Hans; and Tanavik, 4,822,732, Cl. 435-6.000.
- Tanba, Nobuo: *See—*
  - Nakazato, Shinji; Uchida, Hideaki; Tanba, Nobuo; Gotoo, Nobuyuki; Onozawa, Kazunori; and Hiraishi, Atsushi, 4,868,626, Cl. 357-42.000.
- Tanbakuchi, Hassan, to Hewlett-Packard Company. Tracking YIG tuned filter-mixer. 4,817,200, 3-28-89, Cl. 455-323.000.
- Tancredi, Michael R.: *See—*
  - Griffin, Joseph J.; Reisinger, Debra H.; Smagula, Michael S.; and Tancredi, Michael R., 4,832,976, Cl. 426-660.000.
- Tancs, Tibor L., to SSMC Inc. Thread break indicating device for sewing machines using a photo amplifier. 4,841,890, 6-27-89, Cl. 112-273.000.
- Tandberg Data A/S: *See—*
  - Hardeng, Erik N., 4,845,573, Cl. 360-46.000.
  - Lia, Hermann, 4,870,513, Cl. 360-45.000.
  - Rudi, Guttorm, 4,866,548, Cl. 360-77.020.
  - Soederlund, Tom O., 4,868,737, Cl. 364-200.000.
  - Solhjell, Erik, 4,803,704, Cl. 375-120.000.
  - Solhjell, Erik, 4,809,092, Cl. 360-66.000.
- Tandem Computers Incorporated: *See—*
  - Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.
  - Chan, Wing M., 4,827,478, Cl. 371-38.000.
  - Ferchau, Joerg U.; and Kotyuk, Kenneth A., 4,800,463, Cl. 361-424.000.
  - Fu, Peter L.; and Lenoski, Daniel E., 4,843,608, Cl. 371-68.000.
  - Fuller, William T., 4,809,164, Cl. 364-200.000.
  - Fuller, William T., 4,837,681, Cl. 364-200.000.
  - Garcia, David J., 4,827,476, Cl. 371-25.000.
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  - Horst, Robert W.; and Costantino, Cirillo L., 4,823,252, Cl. 371-8.000.
  - Horst, Robert W.; and Harris, Richard L., 4,872,109, Cl. 364-200.000.
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  - Khan, Aurangzeb K., 4,806,800, Cl. 307-475.000.
  - Khan, Aurangzeb K., 4,857,776, Cl. 307-475.000.
  - Korpi, James E., 4,864,291, Cl. 340-825.500.
  - Lenoski, Daniel E., 4,819,165, Cl. 364-200.000.
  - Lenoski, Daniel E., 4,825,356, Cl. 364-200.000.
  - Lilja, David J.; Zacher, A. Richard; and Wierenga, Steven W., 4,888,684, Cl. 364-200.000.
  - Pham, Hoa; and Max, Robert C., 4,885,436, Cl. 200-50.00A.
  - Sanner, Martin W., 4,821,295, Cl. 375-110.000.
  - Sanner, Martin W.; and Chandra, Seema, 4,845,712, Cl. 371-25.000.
  - Sanner, Martin W., 4,872,172, Cl. 371-49.100.
  - Sanner, Martin W., 4,876,701, Cl. 375-106.000.
  - Sanner, Martin W., 4,879,718, Cl. 371-22.300.
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  - Anderson, Howard B., II; Marks, Stephen D.; and Cook, Randall W., 4,866,423, Cl. 340-541.000.
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  Tarbutton, Kent S.; Robins, Janis; and Tangen, John C., 4,810,323, Cl. 156-307.300.
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  Guerriero, Renato; and Tangerini, Ilario, 4,861,679, Cl. 428-614.000.
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  Taguchi, Shinji; and Tango, Hiroyuki, 4,803,530, Cl. 357-23.700.
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  Pastor, Antonio; and Tangonan, Gregory L., 4,847,053, Cl. 422-249.000.
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  De La Broise, Marc; Tanguy, Christian; and Kervagoret, Gilbert, 4,886,321, Cl. 303-92.000.
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  Kishi, Kazushi; Umebayashi, Seiki; Tani, Eiji; and Kobayashi, Kazuo, 4,816,428, Cl. 501-89.000.
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Tani, Haruo: *See—*
  Funazaki, Ichizi; and Tani, Haruo, 4,854,704, Cl. 356-250.000.
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Tani, Kazutomo: *See—*
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Tani, Kenji: *See—*
  Nagasawa, Takeshi; Nakamura, Yoshio; Tani, Kenji; and Kuroiwa, Katsumasa, 4,816,562, Cl. 530-331.000.
Tani, Mayumi: *See—*
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Tani, Mitsukiyo: *See—*
  Hasegawa, Hiroshi; Sugimoto, Koichi; Yano, Takeshi; Netsu, Tositada; Tani, Mitsukiyo; and Kojima, Tosaku, 4,875,618, Cl. 228-179.000.
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  Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; and Tani, Noriaki, 4,804,590, Cl. 428-408.000.
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Tani, Shichisei: *See—*
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  Ihama, Mikio; Shuto, Sadanobu; Tani, Tadaaki; and Deguchi, Naoyasu, 4,828,972, Cl. 430-596.000.
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Tanidokoro, Hiroaki: *See—*
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  Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; Yamanishi, Masaji; and Hirota, Hajime, 4,885,112, Cl. 252-352.000.
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  Machida, Junji; Ohtani, Junji; Sano, Eiichi; Anno, Masahiro; Kohri, Toshitaro; Tanigami, Yukio; and Kobayashi, Makoto, 4,822,708, Cl. 430-106.600.
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  Haraguchi, Kazutoshi; Tanigawa, Eiji; Nukina, Kenji; Morita, Hiroaki; and Maeda, Toyohiro, 4,859,382, Cl. 264-29.200.
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  Sato, Yoshihisa; Hirabayashi, Yugi; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
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Tanigawa, Toshiaki: *See—*
  Tanaka, Shigetaka; Tanigawa, Toshiaki; and Kaga, Mitsuru, 4,800,574, Cl. 375-26.000.
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  Yanagawa, Yutaka; and Taniguchi, Akira, 4,860,758, Cl. 128-662.060.
Taniguchi, George. Mailbox signal flag system. 4,883,223, 11-28-89, Cl. 232-35.000.
Taniguchi, Hayashi: *See—*
  Ozeki, Yoshiaki; Kondo, Makio; and Taniguchi, Hayashi, 4,811,113, Cl. 358-261.100.
Taniguchi, Hideaki; Moriyama, Koichi; Kawasaki, Osamu; and Iwamoto, Ken-ichi, to Sharp Kabushiki Kaisha. Heat roller for electrophotographic copying machine. 4,796,049, 1-3-89, Cl. 355-3.0FU.
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  Imanaka, Yoshiaki; and Taniguchi, Hideaki, 4,804,609, Cl. 430-106.600.
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  Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.
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  Sawaragi, Fujio; and Taniguchi, Hiroo, 4,847,397, Cl. 556-418.000.
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  Kubo, Kanji; Usuki, Naoshi; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,816,930. Cl. 360-10.200.
  Nakase, Hiromi; Kubo, Kanji; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,868,692, Cl. 360-77.160.
  Ohtsu, Masamitsu; and Taniguchi, Hiroshi, 4,884,151, Cl. 358-330.000.
Taniguchi, Hisaya, to Kabushiki Kaisha Toshiba. High-frequency transformer for microwave oven. 4,885,445, 12-5-89, Cl. 219-10.55B.
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Taniguchi, Isao; Yasukouchi, Kazuo; Tsuji, Ichiroh; and Fujiyasu, Takeshi, to Juridical Foundation the Chemo-Sero-Therapeutic Research Institute. Potential-causing membrane for immunosensor. 4,839,017, 6-13-89, Cl. 204-403.000.
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Taniguchi, Itaru; and Katsuragi, Toshiya, to Kanzaki Paper Manufacturing Co., Ltd. Method for producing a laser-printed picture. 4,847,184, 7-11-89, Cl. 430-346.000.
Taniguchi, Jun: *See—*
  Gantzhorn, John E., Jr.; McCloud, John W., II; Sota, Koichi; and Taniguchi, Jun. 4,814,899, Cl. 360-16.000.
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  Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, 4,822,705, Cl. 430-60.000.
  Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, 4,863,822, Cl. 430-58.000.
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Taniguchi, Kouichi: *See—*
  Kawashima, Kazuhiro; Komoda, Norihisa; Harada, Shunichi; Mitsumori, Sadamichi; and Taniguchi, Kouichi, 4,839,803, Cl. 364-403.000.
Taniguchi, Kouki, to Sharp Kabushiki Kaisha. Liquid crystal display device having separate driving circuits for display and non-display regions. 4,824,212, 4-25-89, Cl. 350-333.000.
Taniguchi, Makoto, to Seiko Epson Corporation. Hot-melt ink. 4,851,045, 7-25-89, Cl. 106-31.000.
Taniguchi. Masaharu; Tokunow, Masazumi; and Fujikawa, Junichi, to Toray Industries, Inc. Photosensitive polymer composition containing an ethylenically unsaturated compound and a polyamide or polyesteramide. 4,889,793, 12-26-89, Cl. 430-284.000.
Taniguchi, Masahiko; Goi, Shigeru; and Sugihara, Taizo, to Chisso Corporation. Method for making nonwoven fabrics. 4,814,032, 3-21-89, Cl. 156-167.000.
Taniguchi, Masakazu; Hirose, Masayoshi; Baba, Masatoshi; Hirata, Kiminori; and Ochiai, Yoshinori, to Nissan Chemical Industries, Ltd. Benzylthio pyridazinone derivatives, preparation thereof, and insecticidal acaricidal, fungicidal compositions. 4,877,787, 10-31-89, Cl. 514-247.000.
Taniguchi, Masakazu: *See—*
  Ogura, Tomoyuki; Kawamura, Yasuo; Ishii, Shigeru; Baba, Masatoshi; Taniguchi, Masakazu; Hirose, Masayoshi; Hirata, Kiminori; and Ochiai. Yoshinori, 4,874,861, Cl. 544-229.000.
Taniguchi, Masao: *See—*
  Kuroda, Hideo; and Taniguchi, Masao, 4,818,621, Cl. 428-424.600.
Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hiraoka, Fumio; and Nakamura, Ikuro, to Yoshitomi Pharmaceutical Industries, Ltd.; and Taniguchi, Masaru. Human monoclonal antibody to lung carcinoma and hybridoma producing the same. 4,800,155, 1-24-89, Cl. 435-7.000.
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  Akao, Shigeaki; Taniguchi, Masato; and Kojima, Takio, 4,803,766, Cl. 29-156.40R.
  Akao, Shigeaki; Taniguchi, Masato; and Ito, Masaya, 4,850,095, Cl. 29-447.000.
  Akao, Shigeaki; and Taniguchi, Masato, 4,875,442, Cl. 123-90.390.
  Kojima, Takio; and Taniguchi, Masato, 4,881,500, Cl. 123-188.0AA.
  Matsuura, Tooru; and Taniguchi, Masato, 4,887,568, Cl. 123-270.000.
  Sato, Yasushi; Nagasaki, Shigeru; Taniguchi, Masato; Kagawa, Junichi; and Kawamura, Mitsuyoshi, 4,838,218, Cl. 123-188.0AA.
  Yagino, Masanori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, 4,841,120, Cl. 219-216.000.
Taniguchi, Masatoshi: *See—*
  Kawai, Hajime; Taniguchi, Masatoshi; and Tsunemitsu, Katsuhiko, 4,814,320, Cl. 503-220.000.
  Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.
Taniguchi, Minoru: *See—*
  Kouda, Masanori; Sekiguchi, Tomoyoshi; Ikeda, Yukio; Taniguchi, Minoru; Shiraishi, Yasuhiro; and Konishi, Junkichi, 4,826,205, Cl. 280-703.000.
Taniguchi, Mitsuru: *See—*
  Terai, Akio; Yoshino, Junichi; Satsumi, Shinroku; and Taniguchi, Mitsuru, 4,881,363, Cl. 56-255.000.
Taniguchi, Mitsuyoshi: *See—*
  Ohta, Takeshi; Kamiya, Yoji; Nakashima, Kunimichi; and Taniguchi, Mitsuyoshi, 4,797,052, Cl. 414-744.300.
Taniguchi, Mitsuyuki: *See—*
  Ishida, Hiroshi; and Taniguchi, Mitsuyuki, 4,796,005, Cl. 341-11.000.
  Kobari, Katsuo; Takekoshi, Yoshitaka; and Taniguchi, Mitsuyuki, 4,882,529, Cl. 318-602.000.
Taniguchi, Motoaki: *See—*
  Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, 4,811,773, Cl. 152-543.000.
Taniguchi, Motoya: *See—*
  Ikeda, Minoru; Funatsu, Ryuichi; Kembo, Yukio; and Taniguchi, Motoya, 4,852,133, Cl. 378-34.000.
  Kembo, Yukio; Ikeda, Minoru; and Taniguchi, Motoya, 4,803,712, Cl. 378-034.000.
Taniguchi, Naosato: *See—*
  Kushibiki, Nobuo; Yoshinaga, Yoko; Taniguchi, Naosato, and Kuwayama, Tetsuro, 4,871,411, Cl. 156-249.000.
Taniguchi, Nishinomiya; Ishida, Tokuji; Norita, Toshio; Hamada, Masataka; and Karasaki, Toshihiko, to Minolta Camera Kabushiki Kaisha. Camera with an automatic focusing device. 4,882,601, 11-21-89, Cl. 354-407.000.
Taniguchi, Nobuyaki: *See—*
  Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, to Minolta Camera Kabushiki Kaisha. Flash photographing system. 4,797,702, 1-10-89, Cl. 354-413.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,812,871, 3-14-89, Cl. 354-421.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,814,804, 3-21-89, Cl. 354-202.000.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, to Minolta Camera Kabushiki Kaisha. Focus condition detecting device. 4,816,861, 3-28-89, Cl. 354-408.000.
Taniguchi, Nobuyuki; Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; and Norita, Toshio, to Minolta Camera Kabushiki Kaisha. Image sensor with improved response characteristics. 4,835,615, 5-30-89, Cl. 358-213.190.
Taniguchi, Nobuyuki; Nakai, Masaaki; Omaki, Takanobu; Hosomizu, Hiroshi; Niwa, Masatake; Inoue, Toru; and Sekida, Minoru, to Minolta Camera Kabushiki Kaisha. Flash photography system. 4,839,687, 6-13-89, Cl. 354-416.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,843,418, 6-27-89, Cl. 354-419.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Camera accessory. 4,847,646, 7-11-89, Cl. 354-106.000.
Taniguchi, Nobuyuki; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Norita, Toshio, to Minolta Camera Kabushiki Kaisha. Focus condition detecting device using weighted center or contrast evaluation. 4,851,657, 7-25-89, Cl. 250-201.000.
Taniguchi, Nobuyuki; Yamazaki, Keiji, Hosomizu, Hiroshi; Kamiya, Makoto; and Tsuji, Kenji, to Minolta Camera Kabushiki Kaisha. Flash device for use in photography. 4,851,868, 7-25-89, Cl. 354-127.100.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, to Minolta Camera Kabushiki Kaisha. Camera system. 4,857,953, 8-15-89, Cl. 354-475.000.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, to Minolta Camera Kabushiki Kaisha. Camera system. 4,860,046, 8-22-89, Cl. 354-475.000.
Taniguchi, Nobuyuki, Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,862,201, 8-29-89, Cl. 354-105.000.
Taniguchi, Nobuyuki; Niwa, Masatake; Fujii, Akira; Hoda, Takeo; Nakai, Masaaki; Sekida, Minoru; and Sahara, Masayoshi, to Minolta Camera Kabushiki Kaisha. Camera system. 4,866,467, 9-12-89, Cl. 354-21.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,868,589, 9-19-89, Cl. 354-127.100.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, to Minolta Camera Kabushiki Kaisha. Flash photography system. 4,870,438, 9-26-89, Cl. 354-132.000.
Taniguchi, Nobuyuki; Karasaki, Toshihiko; Mukai, Hiromu; Tokumaru, Hisashi; and Ishida, Tokuji, to Minolta Camera Kabushiki Kaisha. Exposure controlling system and interchangeable lens therefor. 4,878,076, 10-31-89, Cl. 354-286.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Pseudo format camera. 4,884,089, 11-28-89, Cl. 354-222.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Photographic camera. 4,887,108, 12-12-89, Cl. 354-195.100.
Taniguchi, Nobuyuki: *See—*
  Akada, Yasuaki; Ishikawa, Norio; Egawa, Takeshi; and Taniguchi, Nobuyuki, 4,827,299, Cl. 354-402.000.
  Hamada, Masataka; Ishida, Tokuji; Ishibashi, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,816,856, Cl. 354-402.000.
  Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,860,039, Cl. 354-106.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
  Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
  Ishida, Tokuji; Hamada, Masataka; Ishibashi, Kenji; Taniguchi, Nobuyuki; Ootsuka, Hiroshi; Norita, Toshio; and Karasaki, Toshihiko, 4,831,403, Cl. 354-402.000.
  Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; Norita, Toshio; and Taniguchi, Nobuyuki, 4,862,204, Cl. 354-408.000.
  Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,811,043, Cl. 354-412.000.
  Ishimura, Toshihiko; Ishikawa, Norio; Akada, Yasuaki; Seki, Reiji; and Taniguchi, Nobuyuki, 4,855,778, Cl. 354-412.000.
  Ishimura, Toshihiko; Tsuji, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,887,119, Cl. 354-413.000.
  Izumi, Shuji; Nakai, Masaaki; Fujino, Akihiko; Yamaki, Toshio; Mukai, Hiromu; and Taniguchi, Nobuyuki, 4,796,043, Cl. 354-402.000.
  Karasaki, Toshihiko; Ishida, Tokuji; Hamada, Masataka; Norita, Toshio; and Taniguchi, Nobuyuki, 4,808,908, Cl. 250-201.000.

  Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
  Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,878,751, Cl. 354-410.000.
  Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,855, Cl. 354-415.000.
  Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,884,094, Cl. 354-412.000.
  Matsuda, Motonobu; Tanaka, Yoshihiro; Nakanishi, Motohiro; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,800,409, Cl. 354-402.000.
  Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, 4,803,509, Cl. 354-410.000.
  Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Taniguchi, Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, 4,821,074, Cl. 354-402.000.
  Nakamura, Akiyoshi; Ando, Makoto; Ogino, Shuji; and Taniguchi, Nobuyuki, 4,837,594, Cl. 354-402.000.
  Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,809,077, Cl. 358-213.260.
  Norita, Toshio; Ishida, Tokuji; Hamada, Masataka; Karasaki, Toshihiko; and Taniguchi, Nobuyuki, 4,835,562, Cl. 354-408.000.
  Saito, Mitsuru; Yoshida, Tadahiro; Morimoto, Yasuhiro; and Taniguchi, Nobuyuki, 4,814,811, Cl. 354-412.000.
  Sato, Kazuchika; and Taniguchi, Nobuyuki, 4,831,450, Cl. 358-209.000.
  Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
  Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.
  Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, to Minolta Camera Kabushiki Kaisha. Power supply system for memory unit of camera. 4,816,862, 3-28-89, Cl. 354-412.000.
Taniguchi, Osamu: *See—*
  Inaba, Yutaka; and Taniguchi, Osamu, 4,878,740, Cl. 350-337.000.
  Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.
  Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.
  Tsuboyama, Akira; Kitayama, Hiroyuki; and Taniguchi, Osamu, 4,846,560, Cl. 350-350.00S.
Taniguchi, Shoichi, to Nippon Thompson Company, Ltd. Stop valve-carrying rotary nozzle for machine tools. 4,850,540, 7-25-89, Cl. 239-579.000.
Taniguchi, Shuji: *See—*
  Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
Taniguchi, Shunro: *See—*
  Ugi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
Taniguchi, Susumu: *See—*
  Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-94.000.
Taniguchi, Tadao: *See—*
  Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, 4,840,296, Cl. 222-600.000.
Taniguchi, Tadatsugu; Sugano, Haruo; Nishi, Tatsunari; Vilcek, Jan T.; and Yip, Yum K., to New York University & Juridical Foundation; and Japanese Foundation for Cancer Research. Human gamma interferon polypeptide having glutamine as the ninth n-terminal amino acid. 4,835,256, 5-30-89, Cl. 530-351.000.
Taniguchi, Tadatsugu: *See—*
  Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.
Taniguchi, Takashi; Hosono, Hiroshi; and Nakamura, Itaru, to Toray Industries, Inc. Ornamental articles having coating membrane. 4,835,023, 5-30-89, Cl. 428-15.000.
Taniguchi, Takashi: *See—*
  Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
  Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,864,528, Cl. 364-754.000.
  Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,655, Cl. 364-761.000.
  Nishiyama, Tamotsu; Kuninobu, Shigeo; Takagi, Naofumi; and Taniguchi, Takashi, 4,866,657, Cl. 364-768.000.
  Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.
Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, to Fujitsu Limited. Coding transmission equipment for carrying out coding with adaptive quantization. 4,831,636, 5-16-89, Cl. 375-27.000.
Taniguchi, Tomohiko; Iseda, Kohei; Okazaki, Koji; Amano, Fumio; and Unagami, Shigeyuki, to Fujitsu Limited. Speech coding transmission equipment. 4,890,325, 12-26-89, Cl. 381-34.000.
Taniguchi, Toru; Yamada, Yozo; and Utsumi, Tatsuo, to Tokushu Kika Kogyo Kabushiki Kaisha. Mixing machine. 4,834,549, 5-30-89, Cl. 366-286.000.
Taniguchi, Toshihiko: *See—*
  Kawamura, Kunio; Taniguchi, Toshihiko; Oya, Tetsuro; Niwa, Masatake; Nakai, Masaaki; and Fujino, Akihiko, 4,853,726, Cl. 354-289.100.
Taniguchi, Tsutomu: *See—*
  Sato, Ryuichi; Taniguchi, Tsutomu; and Ohba, Masatoshi, 4,857,757, Cl. 307-113.000.
Taniguchi, Yasunori, to Mitsubishi Denki Kabushiki Kaisha. Sequential controller. 4,827,396, 5-2-89, Cl. 364-140.000.
Taniguchi, Yasuro; Sasaki, Ko; Ueki, Mitsuo; and Kobori, Keiichi, to Toshiba Tungaloy Co., Ltd. Surface-refined sintered alloy body and method for making the same. 4,830,930, 5-16-89, Cl. 428-547.000.
Taniguchi, Yasutaka: *See—*
  Takaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,830,394, Cl. 280-689.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,903, Cl. 280-689.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,852,905, Cl. 280-707.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
  Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,815, Cl. 280-707.000.
Taniguchi, Yoshio: *See—*
  Tomioka, Yasushi; Imazeki, Shuji; Terao, Motoyasu; Ojima, Masahiro; and Taniguchi, Yoshio, 4,855,951, Cl. 365-119.000.
Taniguchi, Yoshiteru: *See—*
  Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
Taniguchi, Yoshiyuki: *See—*
  Oh-Kita, Motomu; Taniguchi, Yoshiyuki; Kato, Masaaki; and Kobayashi, Masao, 4,816,603, Cl. 562-538.000.
Taniguchi, Yuji; and Banju, Masaru, to Alps Electric Co., Ltd. Electroluminescent element. 4,876,481, 10-24-89, Cl. 313-502.000.
Taniguchi, Yutaka: *See—*
  Ikeda, Masayoshi; Taniguchi, Yutaka; and Hiroyama, Yukihisa, 4,867,843, Cl. 156-651.000.
  Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, 4,886,035, Cl. 123-588.000.
Taniguro, Wataru: *See—*
  Soma, Koroku; Watanabe, Noritsugu; and Taniguro, Wataru, 4,796,998, Cl. 356-376.000.
Taniguti, Shiniti: *See—*
  Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, 4,800,278, Cl. 250-338.100.
Taniguti, Yoshiharu; Edano, Shigeki; Tanaka, Kazuhiko; Taniguti, Shiniti; and Kuramoto, Megumi, to Nippon Ceramic Co., Ltd. Pyroelectric infrared sensor. 4,800,278, 1-24-89, Cl. 250-338.100.
Tanihara, Mamoru; Okuda, Yoshiro; and Sadamura, Hideaki, to Toda Kogyo Corp. Process for producing plate-like magnetite particles and plate-like maghemite particles. 4,865,834, 9-12-89, Cl. 423-634.000.
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  Amamoto, Yoshikatu; and Tanihara, Nozomu, 4,844,938, Cl. 426-589.000.
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  Omaki, Takanobu; Tanii, Junichi; Tsuji, Sadafusa; and Yamashita, Maki, 4,870,437, Cl. 354-64.000.
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  Mori, Shigeki; Kobayashi, Katsuyuki; Taniishi, Shinnosuke; and Yamamoto, Kousuke, 4,887,245, Cl. 367-129.000.
  Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.
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  - Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masami; and Tanikawa, Isao, 4,798,697, Cl. 264-255.000.
- Tanikawa, Keiichi: *See—*
  - Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,886,612, Cl. 252-49.500.
  - Higaki, Yuzo; Goto, Hiroyuki; and Tanikawa, Keiichi, 4,889,648, Cl. 252-49.500.
- Tanikawa, Koichi: *See—*
  - Tsubata, Noritaka; Tanikawa, Koichi; and Watanabe, Kozo, 4,823,446, Cl. 24-389.000.
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- Tanikoshi, Sadao; Ibe, Hiroyuki; and Shibagaki, Taro, to Kabushiki Kaisha Toshiba. Zero signal state detecting circuit. 4,795,919, 1-3-89, Cl. 307-354.000.
- Tanikuro, Hideo; and Nagamatsu, Kimiaki, to Nichimo Co., Ltd. Self-luminous buoy. 4,809,458, 3-7-89, Cl. 43-17.500.
- Tanimori, Shigeru: *See—*
  - Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.
- Tanimoto, Akikazu; Tanaka, Issei; and Miyaji, Akira, to Nikon Corporation. Projection exposure apparatus. 4,870,452, 9-26-89, Cl. 355-53.000.
- Tanimoto, Akikazu, to Nikon Corporation. Apparatus capable of adjusting the light amount. 4,884,101, 11-28-89, Cl. 355-68.000.
- Tanimoto, Akikazu: *See—*
  - Hikima, Ikuo; Miyaji, Akira; Kamiya, Saburo; and Tanimoto, Akikazu, 4,820,899, Cl. 219-121.760.
  - Ishizaka, Shoji; Mizutani, Hideo; Makinouchi, Susumu; and Tanimoto, Akikazu, 4,801,977, Cl. 355-30.000.
  - Kamiya, Saburo; Suzuki, Kazuaki; and Tanimoto, Akikazu, 4,853,745, Cl. 355-43.000.
  - Murakami, Seiro; Tanimoto, Akikazu; Makinouchi, Susumu; Kawai, Hidemi; and Murakami, Masaichi, 4,860,374, Cl. 382-48.000.
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- Tanimoto, Hiroshi; and Hayashibara, Mikio, to Kabushiki Kaisha Toshiba. Voltage comparator circuit. 4,803,382, 2-7-89, Cl. 307-362.000.
- Tanimoto, Hiroshi; Tanaka, Minoru; and Yoshida, Satoru, to Kabushiki Kaisha Toshiba. Subscriber line interface circuit. 4,866,767, 9-12-89, Cl. 379-398.000.
- Tanimoto, Hiroshi: *See—*
  - Koyama, Mikio; and Tanimoto, Hiroshi, 4,884,036, Cl. 328-167.000.
- Tanimoto, Hirotoshi: *See—*
  - Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, 4,806,692, Cl. 568-401.000.
- Tanimoto, Ichiro: *See—*
  - Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.
- Tanimoto, Iwao: *See—*
  - Kobayashi, Nobuo; Tanimoto, Iwao; Watanabe, Atsushi; and Shinto, Hiroaki, 4,800,770, Cl. 74-422.000.
- Tanimoto, Masahiro: *See—*
  - Sonoyama, Takayasu; Yagi, Shigeo; Kageyama, Bunji; and Tanimoto, Masahiro, 4,879,229, Cl. 435-138.000.
- Tanimoto, Shigekazu: *See—*
  - Taniguchi, Kotaro; Shimada, Takehiko; Tanimoto, Shigekazu; and Nedzu, Shigeru, 4,869,864, Cl. 264-564.000.
  - Taniguchi, Kotaro; Konishi, Toshio; Shimura, Takehiko; Tanimoto, Shigekazu; and Nedzu, Shigeru, 4,879,085, Cl. 264-564.000.
- Tanimoto, Shigemi: *See—*
  - Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,804,168, Cl. 266-235.000.
  - Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,854,968, Cl. 75-63.000.
- Tanimoto, Shigeru: *See—*
  - Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, 4,885,528, Cl. 324-57.00R.
- Tanimoto, Takao: *See—*
  - Tsukamoto, Takeshi; Tanimoto, Takao; and Miyao, Hidetoshi, 4,799,789, Cl. 356-73.100.
  - Tsukamoto, Takeshi; and Tanimoto, Takao, 4,799,790, Cl. 356-73.100.
- Tanimoto, Takuharu: *See—*
  - Murata, Mitshiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,853,750, Cl. 355-75.000.
  - Murata, Mitsuhiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,844,445, Cl. 271-275.000.
- Tanimoto, Tetsuyuki, to Minolta Camera Kabushiki Kaisha. Video cover and viewfinder accessory for a still camera. 4,855,837, 8-8-89, Cl. 358-229.000.
- Tanimoto, Tetsuyuki: *See—*
  - Saito, Mitsuru; Umeda, Kaoru; and Tanimoto, Tetsuyuki, 4,862,293, Cl. 360-35.100.
  - Sakakibara, Kuniteru; Saito, Mitsuru; Tanimoto, Tetsuyuki; Morimoto, Yasuhiro; and Ishibe, Hiroshi, 4,823,199, Cl. 358-335.000.
- Tanimoto, Yasufumi, to Kabushiki Kaisha Toshiba. Identification and monitoring of image forming process units. 4,851,875, 7-25-89, Cl. 355-245.000.
- Tanimoto, Yoshihiro, to Sanyo Electric Co., Ltd. Electrophotographic copying machine having an editorial function. 4,812,875, 3-14-89, Cl. 355-7.000.
- Tanimoto, Yoshihiro: *See—*
  - Mizutani, Taketomo; Shiraki, Kenhachi; Hasegawa, Michihiko; Koumoto, Yujiro; Tanimoto, Yoshihiro; Tanaka, Masayuki; Kimoto, Fumizo; and Hamada, Fumihiko, 4,796,052, Cl. 355-7.000.
- Tanimoto, Yoshiji: *See—*
  - Tanaka, Kinzi; Shigematsu, Minoru; Tanimoto, Yoshiji; and Okumura, Minoru, 4,831,516, Cl. 364-700.000.
- Tanimoto, Yoshio: *See—*
  - Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Nakahama, Tadamitsu; and Yamane, Takakazu, 4,874,639, Cl. 427-240.000.
  - Takao, Hiroyoshi; Tanimoto, Yoshio; Ikeda, Kiyosi; and Fukuyama, Masahiro, 4,820,774, Cl. 525-208.000.
  - Takao, Hiroyoshi; Tanimoto, Yoshio; and Ikeda, Kiyosi, 4,889,881, Cl. 524-91.000.
- Tanimura & Antle: *See—*
  - Ingram, Lawrence L., 4,826,551, Cl. 156-186.000.
- Tanimura & Antle Partnership: *See—*
  - Ingram, Lawrence L., 4,816,109, Cl. 156-443.000.
- Tanimura, Nobuyoshi: *See—*
  - Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, 4,841,481, Cl. 365-154.000.
- Taninaka, Hiroyuki; and Saitou, Mikio, to NEC Corporation. Memory address circuit having function of exchanging selected bits of address input. 4,831,587, 5-16-89, Cl. 365-104.000.
- Taninaka, Kuniaki: *See—*
  - Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, 4,835,153, Cl. 514-249.000.
  - Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.
- Tanino, Junichi, to Mitsubishi Denki Kabushiki Kaisha. Signal transmission apparatus for elevator. 4,846,310, 7-11-89, Cl. 187-121.000.
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- Tanino, Katsumi; Nakazawa, Yukio; and Kizaki, Takeo, to Takeuchi Press Industries Co., Ltd.; and Toyama Prefecture. Resin-bonded magnetic composition and process for producing magnetic molding therefrom. 4,808,326, 2-28-89, Cl. 252-62.540.
- Tanino, Katsumi; and Nakada, Morihito, to Toyokako Kabushiki Kaisha. Piezoelectric pressure-sensitive element and method for making same. 4,826,616, 5-2-89, Cl. 252-62.900.
- Tanino, Masaharu; and Hattori, Takemi, to Toyota Jidosha Kabushiki Kaisha; and Aisen Seiki Kabushiki Kaisha. Device for adjusting elevational position of head rest. 4,798,415, 1-17-89, Cl. 297-410.000.
- Tanioka, Hiroshi: *See—*
  - Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
  - Ogino, Yoshitaka; and Tanioka, Hiroshi, 4,821,334, Cl. 382-50.000.
- Tanioka, Jyou: *See—*
  - Arai, Hiroshi; Murakami, Tadahiko; Mashimo, Kazuo; and Tanioka, Jyou, 4,846,904, Cl. 148-325.000.
- Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, to Hitachi Ltd.; and Nippon Hoso Kyokai. Photoconductive device and method of operating the same. 4,888,521, 12-19-89, Cl. 313-366.000.
- Tanioka, Kenkichi: *See—*
  - Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
- Tanioka, Satoshi; Nishimoto, Yasuyuki; and Adachi, Yasuto, to Chisso Corporation. Process for producing ferromagnetic metal fine particles. 4,804,561, 2-14-89, Cl. 427-130.000.
- Tanishima, Takao; Hayashi, Toru; and Ono, Mamoru, to Teac Corporation. Spring powered transducer retractor mechanism for data transfer apparatus. 4,816,942, 3-28-89, Cl. 360-78.120.
- Tanishima, Takao: *See—*
  - Takemoto, Takashi; Tanishima, Takao; and Yamamoto, Hiromi, 4,832,674, Cl. 474-903.000.
- Tanita Corporation: *See—*
  - Sato, Hitoshi, 4,846,294, Cl. 177-210.00C.
- Taniuchi, Akira; Komori, Hirohito; and Niwa, Koichi, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Imide bond-containing resins and flame retardants comprising said resins. 4,883,843, 11-28-89, Cl. 525-327.600.
- Taniuchi, Kazuman: *See—*
  - Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,819,590, Cl. 123-65.00P.
  - Ban, Masaki; Taniuchi, Kazuman; and Morita, Hiroyuki, 4,827,880, Cl. 123-65.00E.
- Taniuchi, Osami: *See—*
  - Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, 4,821,078, Cl. 355-75.000.
- Taniuchi, Toshihiko; Nemoto, Rikio; and Fujiwara, Yoshito, to Nippon Yakin Kogyo Co., Ltd. Exterior protective member made of austenitic stainless steel for a sheathing heater element. 4,808,371, 2-28-89, Cl. 420-54.000.
- Taniwaki, Hiroshi: *See—*
  - Shin, Masaaki; Fujiwara, Akio; and Taniwaki, Hiroshi, 4,857,433, Cl. 430-120.000.
- Taniwaki, Michio: *See—*
  - Seki, Youichi; Yamazaki, Hiroshi; Saito, Hiroyuki; and Taniwaki, Michio, 4,831,406, Cl. 354-484.000.
- Taniyama, Yoshitaka: *See—*
  - Nakashima, Tatsutoshi; Taniyama, Yoshitaka; and Sugiyama, Akihisa, 4,814,402, Cl. 526-245.000.
- Taniyasu, Kiyoshi: *See—*
  - Kagawa, Keiichi; and Taniyasu, Kiyoshi, 4,812,374, Cl. 429-50.000.
- Tanizaki, Katsuji: *See—*
  - Maki, Yoshihiro; Matsuyama, Akira; Tanizaki, Katsuji; Okabe, Noboru; Kishida, Katsuhiro; Sakai, Takeshi; Ohgaki, Toshinaga; and Fujita, Masahito, 4,857,267, Cl. 419-31.000.
- Tanizaki, Yoshiharu: *See—*
  - Minagawa, Kenichiro; Furuse, Kazuo; Tanizaki, Yoshiharu; and Okabe, Heihachiro, 4,828,735, Cl. 252-49.300.
- Tanizawa, Tetsu; Mitono, Yoshiharu; and Omichi, Hitoshi, to Fujitsu Limited. Gate array semiconductor integrated circuit. 4,868,630, 9-19-89, Cl. 357-45.000.
- Tanizawa, Tetsu: *See—*
  - Ohba, Osam; and Tanizawa, Tetsu. 4,816,705, Cl. 307-446.000.
- Tanizawa, Yoshiyasu: *See—*
  - Sugimoto, Eisuke; Tanizawa, Yoshiyasu; and Kozuka, Zensaku, 4,855,034, Cl. 204-427.000.
- Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, to Denki Kagaku Kogyo Kabushiki Kaisha. Method for producing pyrolytic boron nitride article. 4,849,146, 7-18-89, Cl. 264-81.000.
- Tanji, Hiroyuki: *See—*
  - Igaue, Takamitsu; and Tanji, Hiroyuki, 4,822,435, Cl. 156-164.000.
- Tanji, Masayuki: *See—*
  - Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, 4,841,439, Cl. 364-200.000.
- Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, to Mita Industrial Co., Ltd. Apparatus for the forming of images with a cleaning device for a corona wire. 4,811,050, 3-7-89, Cl. 355-3.0CH.
- Tank, Eggert: *See—*
  - Buhl, Horst; Kleinekathofer, Wolfgang; and Tank, Eggert, 4,811,701, Cl. 123-188.0AA.
- Tank, Klaus. Brazing. 4,880,154, 11-14-89, Cl. 228-122.000.
- Tank, Klaus: *See—*
  - Tomlinson, Peter N.; Burnand, Richard P.; and Tank, Klaus, 4,821,465, Cl. 51-283.00R.
- Tanka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, to Tokyo Ohka Kogyo Co., Ltd. Developer solution for positive-working photoresist compositions comprising a base and a non-ionic surfactant. 4,820,621, 4-11-89, Cl. 430-331.000.
- Tanka, Hideaki; Katsurada, Morihiro; and Konya, Minehiro, to Sharp Kabushiki Kaisha. Character recognition system for optical character reader. 4,860,376, 8-22-89, Cl. 382-57.000.
- Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, to Hitachi, Ltd. Method of processing data access in a database management system with data dictionary directory. 4,819,160, 4-4-89, Cl. 364-300.000.
- Tankersley, Robert W., Jr.: *See—*
  - Munson, Harry R., Jr.; and Tankersley, Robert W., Jr., 4,803,200, Cl. 514-231.200.
- Tankersley, Steven E. Method of playing quad-radial chess. 4,804,191, 2-14-89, Cl. 273-261.000.
- TankTech, Inc.: *See—*
  - Carlin, John A.; Guberud, Robert B.; and Mobeck, William L., 4,850,223, Cl. 73-49.200.
- Tann, Chou-Hong; Thiruvengadam, Tiruvettipuram K.; Chiu, John S.; and Colon, Cesar, to Schering Corporation. Process for preparing netilmicin. 4,831,123, 5-16-89, Cl. 536-13.900.
- Tannan Co., Ltd.: *See—*
  - Abe, Mitsuji, 4,819,968, Cl. 285-81.000.
- Tannascoli, Robert J.; and Holland, Carl W., to Xerox Corporation. Developer transport apparatus. 4,813,531, 3-21-89, Cl. 198-671.000.
- Tannenbaum, Eli; Burgess, Trevor; Kalessidis, Vassilios; Orban, Andre; Williams, John; and Zanker, Klaus, to Anadrill, Inc. Measurement system and method for quantitatively determining the concentrations of a plurality of gases in drilling mud. 4,887,464, 12-19-89, Cl. 73-153.000.
- Tannenbaum, Ken. Device for displaying photographs and the like. 4,837,953, 6-13-89, Cl. 40-124.000.
- Tanner, Christopher G., to STC PLC. Surface treatment of aluminum/-silicon alloys. 4,801,360, 1-31-89, Cl. 204-33.000.
- Tanner, Cynthia L.: *See—*
  - Gibbons, Charles E.; Tanner, Cynthia L.; and Whllock, Allan A., 4,802,943, Cl. 156-244.230.
- Tanner, David R.: *See—*
  - Mayes, Paul E.; and Tanner, David R., 4,823,145, Cl. 343-895.000.
- Tanner, Douglas Y.: *See—*
  - Roettger, William J.; and Tanner, Douglas Y., 4,885,981, Cl. 92-59.000.
- Tanner, John G., to Wheeler, N. J. Shield stripping apparatus for electrical cable. 4,858,315, 8-22-89, Cl. 30-90.400.
- Tanner, Joseph. Beverage infusion device and method of use. 4,826,695, 5-2-89, Cl. 426-77.000.
- Tanner, Martin: *See—*
  - Fruh, Hans R.; and Tanner, Martin, 4,809,481, Cl. 53-55.000.
- Tanner, Olof: *See—*
  - Axelsson, Anders R.; Bylander, Lolo; Porrvik, Sten; and Tanner, Olof, 4,837,107, Cl. 430-138.000.
- Tanner, Paul R.: *See—*
  - Luebbe, John P.; Tanner, Paul R.; and Melanson, John D., Jr., 4,816,261, Cl. 424-65.000.
- Tanner, Robert M., to Ford Aerospace & Communications Corporation. Method and apparatus for combining encoding and modulation. 4,882,733, 11-21-89, Cl. 371-43.000.
- Tanner, Werner: *See—*
  - Bolli, Peter; Looser, Heniz; and Tanner, Werner, 4,861,306, Cl. 446-90.000.
- Tanno, Isao: *See—*
  - Iizuka, Shigeo; and Tanno, Isao, 4,863,048, Cl. 215-235.000.
- Tanno, Kiyohiko: *See—*
  - Iizuka, Hisao; Hiratsuka, Shigetoshi; Tanno, Kiyohiko; Satou, Teruji; and Ashizuka, Norihiro, 4,829,321, Cl. 346-107.00R.
- Tanno, Kohtarou: *See—*
  - Hattori, Osamu; Gotoh, Toshihiko; and Tanno, Kohtarou, 4,862,193, Cl. 346-76.0PH.
- Tanno, Okikazu: *See—*
  - Kikuchi, Hiroaki; Asano, Kenichi; Tanno, Okikazu; and Goda, Naofumi, 4,809,067, Cl. 358-135.000.
- Tanno, Seikichi: *See—*
  - Asano, Hideki; Eguchi, Shuji; Tanno, Seikichi; Okabe, Yoshiaki; Taketani, Noriaki; Nemoto, Masanori; Narusawa, Tuneo; Mihara, Yoshimitsu; and Takada, Yukihiko, 4,810,048, Cl. 350-96.110.
  - Taketani, Noriaki; Asano, Hideki; Endo, Akira; Abe, Tomiya; Ibamoto, Masahiko; Mukai, Junji; Tanno, Seikichi; Eguchi, Shuji; and Shimura, Masato, 4,873,030, Cl. 264-1.500.
- Tanno, Yoshio: *See—*
  - Miyake, Hiraku; Yano, Tadahiro; Tanno, Yoshio; Hayamizu, Yutaka; Aizawa, Satoru; Higashino, Masahiko; and Shimoda, Ikuo, 4,805,359, Cl. 52-167.000.
- Tano, Osamu; and Sugawara, Tsugutaka. Printer housing. 4,828,417, 5-9-89, Cl. 400-616.000.
- Tano, Shunichi: *See—*
  - Masui, Shiochi; Tano, Shunichi; Sakaguchi, Seiji; and Funabashi, Motohisa, 4,868,763, Cl. 364-513.000.
- Tano, Yasunori: *See—*
  - Yamasaki, Kouji; Ikezaki, Eiji; Tano, Yasunori; and Nishizaka, Hiroshi, 4,846,903, Cl. 148-111.000.
- Tano, Yasuo; Hosotani, Hisashi; Fujimori, Naoji; and Harada, Keizo, to Sumitomo Electric Industries, Ltd. Intraocular lens with coated diamond-like carbon film. 4,822,359, 4-18-89, Cl. 623-6.000.
- Tanonaka, Takayuki; Yamauchi, Takashi; Enari, Hiroyuki; and Konai, Yutaka, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing 2,6-dihydroxynaphthalene and 2,6-diacetoxynaphthalene. 4,814,521, 3-21-89, Cl. 568-741.000.
- Tanonaka, Takayuki: *See—*
  - Konai, Yutaka; Nakamura, Tadashi; Tanonaka, Takayuki; Yoshida, Kazuo; and Machida, Yoshihisa, 4,804,788, Cl. 568-730.000.
- Tanooka, Shigeo: *See—*
  - Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, 4,817,751, Cl. 180-233.000.
  - Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo; Kodama, Kazumasa; and Matsumoto, Tsutomu, 4,858,134, Cl. 364-424.050.
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  - Engelson, Erick T.; and Daniels, John R., 4,813,934, Cl. 604-99.000.
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  - Pepe, Enrico J.; and Tarin, Pedro M., 4,849,263, Cl. 427-336.000.
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  - Hess, Stanley R.; Miller, Sandra L.; Pohndorf, Peter J.; and Tarjan, Peter P., 4,800,898, Cl. 128-785.000.
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- Tarpai, Gyula: *See—*
  - Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet: Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavlisc

sak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.

Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.

Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.

Tarr, Edmund S., Jr., to Cody Trading Post, Inc. Gun sling. 4,817,835, 4-4-89, Cl. 224-150.000.

Tarr, Richard D.: *See—*

Katritzky, Alan R.; Krepski, Larry R.; Rasmussen, Jerald K.; Heilmann, Steven M.; and Tarr, Richard D., 4,841,021, Cl. 528-407.000.

Tarr, Richard R.: *See—*

Engelhardt, John A.; and Tarr, Richard R., 4,805,607, Cl. 128-92.0YZ.

Tarral, Rene; and Mention, Jacky, to Laboratoires Smith Kline & French. Effervescent couples, histamine H_2-antagonist effervescent compositions containing them and their preparation. 4,824,664, 4-25-89, Cl. 424-43.000.

Tarrant, Alan B.: *See—*

Anderson, Gregory H.; and Tarrant, Alan B., 4,817,944, Cl. 272-123.000.

Tarrson, Emanuel B.; and Maric, Dane, to John O. Butler Company. Toothbrush. 4,805,252, 2-21-89, Cl. 15-167.100.

Tarsio, Joseph F.; and Furcht, Leo T., to University of Minnesota, Regents of the. Monoclonal antibodies to unreduced, nonenzymatically-glycated proteins. 4,797,472, 1-10-89, Cl. 530-387.000.

Tartaglione, Andre. Method of making and decorating a plastic container having a neck. 4,851,062, 7-25-89, Cl. 156-69.000.

Tartan Transportation Systems, Inc.: *See—*

Schult, Leslie H.; and Tekautz, Charles J., Jr., 4,861,060, Cl. 280-439.000.

Tartussky Gosudarstvenny Universitet: *See—*

Mikelsaar, Raik-Khiio N., 4,812,128, Cl. 434-278.000.

Tarui, Hisaki: *See—*

Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, 4,799,087, Cl. 357-4.000.

Tarum, Carl D., to General Motors Corporation. Fluid coupling. 4,828,297, 5-9-89, Cl. 285-305.000.

Tarumi, Noriyoshi; and Nishido, Kazuhiro, to Ricoh Company, Ltd. Toner carrier for developing device for electrostatic printing apparatus. 4,827,868, 5-9-89, Cl. 118-653.000.

Tarutani, Yoshio: *See—*

Maehara, Yasuhiro; and Tarutani, Yoshio, 4,812,177, Cl. 148-12.0EA.

Tarvin, Ronald L.: *See—*

Schnelle, Joseph W.; Webb, Gregory; Tarvin, Ronald L.; and Brown, James V., 4,835,710, Cl. 364-513.000.

Tasaka, Keisyo, to Mazda Motor Corporation. V-type engine. 4,821,684, 4-18-89, Cl. 123-52.0MV.

Tasaka, Motoo: *See—*

Suzuki, Akira; Mochizuki, Nobuo; Tasaka, Motoo; and Morohoshi, Kunichika, 4,818,605, Cl. 428-321.300.

Tasaka, Yoshihiro: *See—*

Sugiyama, Masami; Kita, Nobuyuki; and Tasaka, Yoshihiro, 4,884,221, Cl. 364-526.000.

Tasaki, Hisashi; and Endo, Kimikazu, to Omron Tateisi Electronics Co. Card-operated telephone. 4,879,744, 11-7-89, Cl. 379-144.000.

Tasaki, Takaharu, to Yoshino Kogyosho Co., Ltd. Trigger type liquid dispenser. 4,819,835, 4-11-89, Cl. 222-383.000.

Tasaki, Yutaka: *See—*

Tanaka, Yoshimasa; and Tasaki, Yutaka, 4,884,400, Cl. 60-323.000.

Tasc Drives Limited: *See—*

Ray, William F.; and Davis, Rex M., 4,835,408, Cl. 307-24.000.

Taschero, Giuseppe, to La Prealpina S.r.l. Support and retention device for luggage-rack bars for motor vehicles. 4,809,943, 3-7-89, Cl. 248-503.000.

Taschner, Wolfgang, to Aesculap-Werke Aktiengesellschaft. Sterilizing container for surgical instruments. 4,818,502, 4-4-89, Cl. 422-310.000.

Taschner, Wolfgang, to Aesculap-Werke Aktiengesellschaft. Closure for a sterilizing container. 4,820,499, 4-11-89, Cl. 422-310.000.

Taschner, Wolfgang: *See—*

Habig, Klaus; Taschner, Wolfgang; and Wolfle, Wilfried, 4,796,778, Cl. 220-315.000.

Tasco Limited: *See—*

Pearce-Harvey, Peter R.; Thomlinson, Ernest V.; and French, Raymond, 4,843,528, Cl. 362-277.000.

Taseto Co., Ltd.: *See—*

Kobayashi, Souji, 4,806,096, Cl. 431-346.000.

Kobayashi, Souji, 4,818,220, Cl. 431-264.000.

Tash, George. Valve assembly for a pipe flushing device. 4,825,900, 5-2-89, Cl. 137-375.000.

Tash, George. Valve assembly for a pipe flushing device. 4,865,062, 9-12-89, Cl. 134-167.00C.

Tash, Gilbert L.: *See—*

Dumbauld, Lewis D.; and Tash, Gilbert L., 4,823,386, Cl. 380-13.000.

Tashahashi, Minoru; Tokuda, Hiroastu; Watanabe, Izumi; and Nishimura, Yutaka, to Hitachi, Ltd.: and Hitachi Automotive Engineering Co., Ltd. Hot wire air flow meter. 4,881,407, 11-21-89, Cl. 73-204.160.

Tashima, Seiji: *See—*

Okimoto, Haruo; and Tashima, Seiji, 4,875,454, Cl. 123-559.300.

Tashiro, Akihisa: *See—*

Koshida, Yoshinori; and Tashiro, Akihisa, 4,870,335, Cl. 318-567.000.

Tashiro, Akira: *See—*

Eda, Yasuyuki; Maeda, Toshihiro; Nishiyama, Kiyoto; and Tashiro, Akira, 4,883,752, Cl. 435-68.000.

Tashiro, Koichi: *See—*

Nakamura, Shigeichi; and Tashiro, Koichi, 4,834,374, Cl. 273-1.00E.

Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, to Semiconductor Energy Laboratory Co., Ltd. Photo CVD apparatus, with deposition prevention in light source chamber. 4,811,684, 3-14-89, Cl. 118-50.100.

Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, to Semiconductor Energy Laboratory Co., Ltd. Method and apparatus for forming a layer. 4,857,139, 8-15-89, Cl. 156-643.000.

Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, to Nippon Soken, Inc. Road surface detecting device. 4,809,197, 2-28-89, Cl. 364-550.000.

Tashiro, Syuzaburou; Ina, Toshikazu; Nakano, Osamu; Taguchi, Masahiro; Onimaru, Sadahisa; and Kuno, Akira, to Nippondenso Co., Ltd.; and Nippon Soken, Inc. Vehicle seat drive control device. 4,812,838, 3-14-89, Cl. 340-825.060.

Tashiro, Syuzaburou; Ina, Toshikazu; and Kawai, Hisasi, to Nippon Soken, Inc. Road surface detecting device for vehicle. 4,837,727, 6-6-89, Cl. 364-551.010.

Tashiro, Takayuki: *See—*

Itagaki, Takaharu; Kusano, Hiroshi; Miyata, Eiji; and Tashiro, Takayuki, 4,863,972, Cl. 521-141.000.

Tashiro, Yasunori, to Rheon Automatic Machinery Co., Ltd. Method for shaping a spherical body. 4,883,678, 11-28-89, Cl. 426-496.000.

Tashiro, Yasunori: *See—*

Hayashi, Torahiko; Hirabayashi, Koichi; and Tashiro, Yasunori, 4,801,258, Cl. 425-238.000.

Hayashi, Torahiko; and Tashiro, Yasunori, 4,859,479, Cl. 426-281.000.

Tashiro, Yasuyuki: *See—*

Ikedo, Yuji; Okajima, Takahiro; and Tashiro, Yasuyuki, 4,839,764, Cl. 360-98.080.

Tashiro, Yoichi; Baba, Hideki; Obatake, Kohei; Sakka, Hiroshi; and Sohara, Ichiro, to Fuji Oil Company, Limited. Process for producing fat powder. 4,855,157, 8-8-89, Cl. 426-609.000.

Tashiro, Yoshiharu: *See—*

Kasahara, Kenichi; and Tashiro, Yoshiharu, 4,864,168, Cl. 307-631.000.

Tashiro, Yoshio, to Teac Optical Co., Ltd. Intra-observation apparatus. 4,827,907, 5-9-89, Cl. 128-6.000.

Tashiro, Yoshio, to Olympus Optical Co., Ltd. Method for assembling optical fiber bundles in an endoscope. 4,871,229, 10-3-89, Cl. 350-96.260.

Tashiro, Yoshio: *See—*

Sekino, Naomi; and Tashiro, Yoshio, 4,836,211, Cl. 128-662.050.

Tashiro, Yuuji: *See—*

Arai, Mikiro; Funayama, Osamu; Tashiro, Yuuji; and Isoda, Takeshi, 4,886,860, Cl. 525-474.000.

Tashita, Junichi: *See—*

Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.

Tashita, Yoji: *See—*

Inamura, Kazuhiko; and Tashita, Yoji, 4,806,857, Cl. 324-158.00R.

Task Force Boats Limited: *See—*

Hillier, Jonathan D., 4,807,556, Cl. 114-345.000.

Task, Harry L. Combination hors d'oeurves, drink and utensil holder. 4,867,331, 9-19-89, Cl. 220-23.800.

Taska, John L., to American Telephone and Telegraph Company; and American Telephone and Telegraph Company, AT&T Information Systems Inc. Radiation-coupled daisy chain. 4,856,091, 8-8-89, Cl. 455-607.000.

Tasker, Kenneth G.; and Milligan, John D., to HRI, Inc. Method for rejuvenating used catalysts. 4,863,884, 9-5-89, Cl. 502-27.000.

Taskinen, Pekka M., to Outokumpu Oy. Apparatus for separating materials. 4,810,370, 3-7-89, Cl. 209-155.000.

Taskovich, Lina T., to ALZA Corporation. Skin permeation enhancer compositions using glycerol monooleate. 4,863,738, 9-5-89, Cl. 424-449.000.

Tasler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, to VEB Kombinat Textima. Warp-knitting machine, particularly stitch knitting machine. 4,852,370, 8-1-89, Cl. 66-203.000.

Tasma, Gerald W. Color identification system. 4,824,144, 4-25-89, Cl. 283-87.000.

Tasnadi nee Erosi, Krisztina, to Energiagazdalkodasi Intezet. Shell for plate-type apparatus to carry out thermo-dynamic processes based on heat-exchange between flowing fluids. 4,846,256, 7-11-89, Cl. 165-31.000.

Taso, Michael M.: *See—*

Lebizay, Gerald; Lien, Yeong-Chang; and Taso, Michael M., 4,817,094, Cl. 371-36.000.

Tassavori, Shahrzad: *See—*

Aida, Fumio; Shinono, Takeo; Hanai, Misao; and Tassavori, Shahrzad, 4,801,766, Cl. 174-120.0SC.

Tassen, Curtis S.: *See—*

Smith, Gaylord D.; Tassen, Curtis S.; Ganesan, Pasupathy; and Wheeler, Jack M., 4,877,461, Cl. 148-11.50N.

Smith, Gaylord D.; and Tassen, Curtis S., 4,882,125, Cl. 420-443.000.

Tasset, Emmett L., to Dow Chemical Company, The. Regeneration of fluorocarbonsulfonic acid catalysts. 4,800,186, 1-24-89, Cl. 502-33.000.

Tasset, Emmett L., to Dow Chemical Company, The. Process for the surface treatment of polymer articles to provide for better adherence of paints. 4,808,440, 2-28-89, Cl. 427-372.200.

Tasset, Emmett L.: *See—*

Carl, William P.; Tasset, Emmett L.; and Aikman, Robert E., Jr., 4,859,745, Cl. 525-276.000.

Tassi, Lamberto: *See—*

Ballestrazzi, Aris; and Tassi, Lamberto, 4,831,809, Cl. 53-64.000.

Ballestrazzi, Aris; and Tassi, Lamberto, 4,881,357, Cl. 53-64.000.

Tassin, Larry D.; and Ayer, John W. Stair bracket. 4,819,391, 4-11-89, Cl. 52-182.000.

Tassinario, Giampiero, to Mavilor Systemes S.A. Process for manufacturing a grooveless stator for electric motor. 4,837,921, 6-13-89, Cl. 29-596.000.

Tassinario, Giampiero, to Mavilor Systemes S.A. Permanent magnet rotor. 4,879,485, 11-7-89, Cl. 310-156.000.

Tasson, Brian B.; and Warren, J. Bruce, to Honeywell Inc. Cased telescoped ammunition having features augmenting cartridge case end cap retention and retraction. 4,846,069, 7-11-89, Cl. 102-434.000.

Tassone, Daniel R. Sit-up exercise aid. 4,863,158, 9-5-89, Cl. 272-93.000.

Tassotti, Sergio; and Sgobaro, Roberto, to Industrie Zanussi S.p.A. Wash tub for a dishwasher. 4,815,487, 3-28-89, Cl. 134-180.000.

Tasto, Manfred; Ranner, Georg; Blasius, Kainer; and Behr, Christian, to U.S. Philips Corporation. Method of and circuit arrangement for ensuring bit synchronization of a data block in a receiver. 4,817,117, 3-28-89, Cl. 375-111.000.

Tatabanyai Szenbanyak: *See—*

Kulcsar, Gyula; and Solymos, Andras, 4,838,433, Cl. 209-3.000.

Solymos, Andras; Barsi, Karoly; Kis-Tamas, Laszlo ; Forisek, Istvan; Dorombozi, Laszlo ; and Lukonits, Otto , 4,799,738, Cl. 299-11.000.

Tatai, Llona; Gundisch, Gusztav; Palotas, Laszlo; and Subotics, Gyula, to Taurus Gumiipari Vallalat. Escalator hand-rail made of elastic material. 4,852,713, 8-1-89, Cl. 198-337.000.

Tatami, Mitsushige, to Sony Corporation. PAL video time base corrector inverts color difference signal [illegible]. 4,864,387, 9-5-89, Cl. 358-19.000.

Tatani, Atsushi: *See—*

Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.

Shinoda, Naoharu; Tatani, Atsushi; Takashina, Toru; and Onizuka, Masakazu, 4,810,477, Cl. 423-242.000.

Tatano, Toshio: *See—*

Aoyama, Norihito; Okano, Mikio; Miike, Akira; and Tatano, Toshio, 4,810,642, Cl. 435-28.000.

Aoyama, Norihito; Miike, Akira; Shimizu, Yoshiaki; and Tatano, Toshio, 4,824,779, Cl. 435-25.000.

Miike, Akira; Shimizu, Yoshiaki; Tatano, Toshio; and Watanabe, Katsuyuki, 4,851,353, Cl. 436-71.000.

Miike, Akira; Katsumata, Yukio; and Tatano, Toshio, 4,877,727, Cl. 435-24.000.

Tatar, Richard, to Textron Inc. Snap-in clip for wheel trim. 4,826,252, 5-2-89, Cl. 301-37.0CD.

Tatara, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Local area network control apparatus. 4,851,997, 7-25-89, Cl. 364-284.400.

Tatara, Junichi, to Aisin Seiki Kabushiki Kaisha. Electromagnetic valve. 4,858,886, 8-22-89, Cl. 251-129.070.

Tatara, Shinji, to Kabushiki Kaisha Toshiba. Electric power converter. 4,858,100, 8-15-89, Cl. 363-161.000.

Tatara, Stanley R. Spring loaded hinge. 4,823,437, 4-25-89, Cl. 16-300.000.

Tatara, Yoshikuni; and Yamada, Daisuke, to Ricoh Company, Ltd. Color image processing system having an adjustable UCR function. 4,831,409, 5-16-89, Cl. 364-526.000.

Tatara, Yoshikuni: *See—*

Suzuki, Takami; Tatara, Yoshikuni; and Moriya, Tomoyuki, 4,874,264, Cl. 400-335.000.

Tatara, Yuudai: *See—*

Okuwaki, Shigeru; Ohkawa, Susumu; Jufuku, Yasunobu; and Tatara, Yuudai, 4,795,409, Cl. 474-245.000.

Tatarchuk, Bruce J.; and Raythatha, Rasik H., to E.C.C. America Inc. Method and composition for safely decomposing hydrazine. 4,804,527, 2-14-89, Cl. 423-351.000.

Tatchyn, Roman O.: *See—*

Csonka, Paul L.; and Tatchyn, Roman O., 4,800,353, Cl. 335-210.000.

Tate Acess Floors: *See—*

Blacklin, Peter A.; and Bell, Jonathan D., 4,835,924, Cl. 52-263.000.

Tate, Billy G., to United Enertech Corporation. Air flow damper control system. 4,824,012, 4-25-89, Cl. 236-49.500.

Tate Containers, Inc.: *See—*

Dunn, George D., 4,864,940, Cl. 108-51.300.

Tate, David L., to Avco Corporation. Compressor flow fence. 4,884,944, 12-5-89, Cl. 415-156.000.

Tate, Kazuhito; Yoshida, Hajime; and Sasaki, Teruhiko, to Mitsubishi Oil Co., Ltd. Optically anisotropic pitch. 4,801,372, 1-31-89, Cl. 208-22.000.

Tate, Kazuyuki: *See—*

Hara, Toshihiro; Yotsutani, Akio; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,875,231, Cl. 379-61.000.

Saegusa, Noboru; Hara, Toshihiro; Kawasaki, Ryoji; Tate, Kazuyuki; Huse, Syoji; and Ono, Koji, 4,876,708, Cl. 379-61.000.

Tate & Lyle Public Limited Company: *See—*

Beyts, Pamela K., 4,863,752, Cl. 426-548.000.

Goodacre, Brita C.; and Smithson, Alan, 4,861,382, Cl. 127-60.000.

Rathbone, Elner B.; Mufti, Khizar S.; Khan, Riaz A.; Cheetham, Peter S. J.; Hacking, Andrew J.; and Dordick, Jonathan S., 4,826,962, Cl. 536-122.000.

Simpson, Philip J., 4,889,928, Cl. 536-122.000.

Tate, Marilyn; and Varnell, Daniel F., to Hercules Incorporated. Photopolymerizable composition. 4,855,212, 8-8-89, Cl. 430-281.000.

Tate, Shigeyuki: *See—*

Kubota, Yasuhiko; and Tate, Shigeyuki, 4,836,165, Cl. 123-357.000.

Tate, Susumu: *See—*

Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 428-272.000.

Tate, Takuo, to Nippon Filcon Co. Ltd. Multi-layer fabric for papermaking. 4,821,780, 4-18-89, Cl. 139-383.00A.

Tate, Woodrow R. Trailer hitch having rotatable draw plate. 4,807,900, 2-28-89, Cl. 280-491.300.

Tatebayashi, June; Takada, Tomoaki; Hayashi, Kimitaka; and Kumagai, Chikanori, to Kawasaki Jukogyo Kabushiki Kaisha. Plant for manufacturing cement clinker. 4,8[illegible]7,397, 10-31-89, Cl. 432-106.000.

Tateda, Mitsuhiro: *See—*

Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, 4,869,570, Cl. 350-96.150.

Tateishi, Arthur K. Modular fan. 4,834,629, 5-30-89, Cl. 417-423.100.

Tateishi, Fusao: *See—*

Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.

Tateishi, Hideki; Saito, Hiroshi; Sasaki, Shinji; and Horiuchi, Mitsuaki, to Hitachi, Ltd. Sputtering process and an apparatus for carrying out the same. 4,853,102, 8-1-89, Cl. 204-298.000.

Tateishi, Hisao, to NEC Corporation. Phase-locked loop having elongated time for charge and discharge. 4,857,866, 8-15-89, Cl. 331-1.00A.

Tateishi, Kiyoshi, to Pioneer Electronic Corporation. Slider servo device. 4,827,464, 5-2-89, Cl. 369-44.000.

Tateishi, Kiyoshi, to Pioneer Electronic Corporation. Scanning method and apparatus for performing track jump operations in disk player. 4,887,253, 12-12-89, Cl. 369-32.000.

Tateishi, Kiyoshi, to Pioneer Electronic Corporation. Carriage driving apparatus for a disk player. 4,890,277, 12-26-89, Cl. 369-219.000.

Tateishi, Kiyoshi: *See—*

Suzuki, Masanori; and Tateishi, Kiyoshi, 4,878,211, Cl. 369-44.000.

Tateishi, Mamoru: *See—*

Eitoku, Kenji; Tateishi, Mamoru; and Hayashi, Kenji, 4,884,052, Cl. 338-202.000.

Tateishi, Mataji; Kunimoto, Etsuo; Nakagawa, Hiroshi; and Takaishi, Tatsuo, to Mitsubishi Jukogyo Kabushiki Kaisha. Injection system for a dual-fuel engine. 4,864,990, 9-12-89, Cl. 123-304.000.

Tateishi, Mataji: *See—*

Imoto, Koji; Tateishi, Mataji; Omura, Tadao; Nakajima, Kunihiko; Maekawa, Motoyuki; Matusyama, Moritake; and Tamura, Hiroki, 4,875,445, Cl. 123-292.000.

Tateishi, Naofumi: *See—*

Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akutsu, Takashi; and Tateishi, Naofumi, 4,854,209, Cl. 84-1.010.

Tateishi, Toru; and Sato, Sinzi, to Kabushiki Kaisha Toshiba. Picture image data processor. 4,851,919, 7-25-89, Cl. 358-443.000.

Tatekura, Koichi: *See—*

Inoue, Yoshiyuki; Takahashi, Masaaki; Tatekura, Koichi; Nishikawa, Hitoshi; Ohta, Hajime; and Kogure, Yoshikazu, 4,798,969, Cl. 307-112.000.

Tatematsu, Susumu: *See—*

Kito, Yoshikazu; Ishikawa, Toshihiko; and Tatematsu, Susumu, 4,817,827, Cl. 222-238.000.

Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,846,381, Cl. 222-638.000.

Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,850,202, Cl. 62-195.000.

Tatematsu, Takeo, to Fujitsu Limited. Semiconductor memory device having test pattern generating circuit. 4,821,238, 4-11-89, Cl. 365-201.000.

Tatematsu, Takeo: *See—*

Akaogi, Takao; and Tatematsu, Takeo, 4,802,127, Cl. 365-189.000.

Tatematsu, Yoshiaki: *See—*

Donomoto, Tadashi; Tanaka, Atsuo and Tatematsu, Yoshiaki, 4,830,932, Cl. 428-608.000.

Tatemoto, Masayoshi; and Yagi, Toshiharu, to Daikin Industries Ltd. Denture base. 4,826,435, 5-2-89, Cl. 433-199.100.

Tatemoto, Masayoshi; Yutani, Yuji; and Fujiwara, Koji, to Daikin Industries Ltd. Novel, iodine-containing compound, preparation thereof and block copolymer comprising the same. 4,861,836, 8-29-89, Cl. 525-276.000.

Tatemoto, Minoru; Saito, Naoki; Morishita, Mitsuharu; and Kohge, Shinichi, to Mitsubishi Denki Kabushiki Kaisha; and Nippon Seiko

Kabushiki Kaisha. Motor-driven type power assisted steering control apparatus. 4,830,137, 5-16-89, Cl. 180-79.100.

Tatemoto, Minoru: *See—*

Takaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; and Tatemoto, Minoru, 4,830,394, Cl. 280-689.000.

Takizawa, Shozo; Maruyama, Mitsunori; Tatemoto, Minoru; and Ohtagaki, Shigeki, 4,803,630, Cl. 364-424.050.

Tanaka, Tadao; Chikamori, Sunao; Harara, Mitsuhiko; Takeuchi, Shinichi; Suzumura, Masanaga; Tatemoto, Minoru; Kumagai, Naotake; and Abe, Hiroki, 4,846,496, Cl. 280-689.000.

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Tateno, Atsushi; and Mashiko, Kimio, to Japan Tobacco Inc. Filter for tobacco smoking. 4,889,144, 12-26-89, Cl. 131-337.000.

Tateno, Hiroki: *See—*

Ohno, Koichi; Higashi, Kenji; and Tateno, Hiroki, 4,803,524, Cl. 355-53.000.

Tateno, Kunio; and Shimotori, Yoshio, to UPL Co. Ltd; and Koto Electronics Co. Ltd. Express package collection locker. 4,836,352, 6-6-89, Cl. 194-215.000.

Tateno, Mamoru: *See—*

Toguchi, Takehiko; Tateno, Mamoru; Shibata, Kiwamu; and Inoue, Hiromichi, 4,866,227, Cl. 200-147.00A.

Tateno, Shigeru; and Ozawa, Kazuo, to Sony Corporation. Cassette reel having an indicator for tape volume with an upper flange. 4,846,419, 7-11-89, Cl. 242-71.800.

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Tateoka, Hitoshi; and Uchino, Fumio, to Olympus Optical Co., Ltd. Acoustic lens for use in acoustic microscope. 4,881,618, 11-21-89, Cl. 181-176.000.

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Tateosian, Louis H; and Wilson, W. Donald, to Dentsply Research & Development Corp. Process for preparing interpenetrating polymer network objects employing rubber-modified polymers. 4,863,977, 9-5-89, Cl. 522-14.000.

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Nakai, Yoshio; and Tateyama, Masamitsu, 4,798,867, Cl. 525-196.000.

Tateyama, Masayuki; and Tsutsui, Ryuji, to Nissan Motor Co., Ltd. Disc brake for wheeled vehicle or the like. 4,842,102, 6-27-89, Cl. 188-24.210.

Tateyama, Masayuki: *See—*

Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, 4,873,475, Cl. 318-489.000.

Tatge, Gary, to Richards Medical Company. Magnetic ossicular replacement prosthesis. 4,817,607, 4-4-89, Cl. 128-419.00R.

Tatge, Robert J.; and Pfenning, Thomas E., to CV International, Inc. Filter system with in situ cleaning of an operating filter unit. 4,830,642, 5-16-89, Cl. 55-273.000.

Tatham, Gerald F. Sliding door closer. 4,884,369, 12-5-89, Cl. 49-404.000.

Tatini, Sita R., to University of Minnesota, Regents of the. Process for control of food pathogens. 4,871,563, 10-3-89, Cl. 426-334.000.

Tatis Plasttatningar AB: *See—*

Dahlberg, Anders; and Dahlberg, Leif, 4,795,265, Cl. 366-69.000.

Tatner, Thomas: *See—*

Escamilla, Robert M.; Escamilla, Elias, III; Escamilla, Elias, Jr.; Johnson, Gregg E.; Arnold, Robert M.; and Tatner, Thomas, 4,838,153, Cl. 99-349.000.

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Tatone, John M.: *See—*

Abbe, David C.; and Tatone, John M., 4,858,722, Cl. 181-243.000.

Tatsu, Haruyoshi: *See—*

Okabe, Jun; Naraki, Akihiro; Abe, Masatoshi; and Tatsu, Haruyoshi, 4,831,085, Cl. 525-387.000.

Tatsuda, Tokuo: *See—*

Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,855,355, Cl. 525-64.000.

Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,880,874, Cl. 525-67.000.

Tatsuhiko, Abe, to Diesel Kiki Co., Ltd. Plural magnet device for magnetically detecting rotation angle of a rotary body. 4,866,381, 9-12-89, Cl. 324-208.000.

Tatsuji, Seino, to Honda Giken Kogyo Kabushiki Kaisha. Cantilever rear suspension system for motorcycles. 4,800,979, 1-31-89, Cl. 180-227.000.

Tatsukami, Masahiro: *See—*

Shigei, Masahiro; Suto, Shugo; and Tatsukami, Masahiro, 4,839,757, Cl. 360-99.050.

Tatsukami, Yoshiharu; Doi, Toshiki; and Oka, Masahiko, to Sumitomo Chemical Company, Limited; and Daikin Industries Ltd. Optical fiber comprising a methacrylate polymer core and a fluoro polymer cladding. 4,812,011, 3-14-89, Cl. 350-96.340.

Tatsukami, Yoshiharu; Inoue, Masakazu; Asai, Kuniaki; and Hieda, Kazuo, to Sumitomo Chemical Company, Limited. Aromatic polysulfone resin composition having excellent plating characteristics. 4,843,113, 6-27-89, Cl. 524-425.000.

Tatsukami, Yoshiharu: *See—*

Nagaoka, Kenji; Tatsukami, Yoshiharu; Fujiwara, Masahiro; Abe, Katsuhiro; Yano, Kazunori; and Matsui, Ryuhei, 4,868,276, Cl. 528-215.000.

Tatsukawa, Eiji: *See—*

Takahashi, Masami; Tatsukawa, Eiji; Torii, Shunichi; and Kojima, Keiji, 4,839,799, Cl. 364-200.000.

Tatsukawa, Junichi: *See—*

Nagata, Kiyoshi; Tatsukawa, Junichi; Kawashima, Yutaka; and Kobayashi, Hisanori, 4,869,225, Cl. 123-509.000.

Tatsukawa, Osami: *See—*

Hotta, Kouichi; Yazawa, Yukichi; and Tatsukawa, Osami, 4,814,588, Cl. 219-10.55B.

Tatsuki, Kouichi; Murano, Kanji; and Nishigaki, Susumu, to Sony Corporation; and Narumi China Corporation. Dielectric porcelain. 4,849,384, 7-18-89, Cl. 501-134.000.

Tatsumi, Hisato: *See—*

Matsumoto, Masaharu; and Tatsumi, Hisato, 4,867,220, Cl. 160-35.000.

Tatsumi, Juichi, to Ye Data Inc. Printing head for an impact printer. 4,844,634, 7-4-89, Cl. 400-121.000.

Tatsumi, Shuhei: *See—*

Tsubakimoto, Tsuneo; Ito, Hayami; Tatsumi, Shuhei; Kajibata, Yoshihiro; Takao, Shoichi; Goto, Takakiyo; Nakaishi, Akio; Rakutani, Kenji; Tamura, Toshio; and Kobayashi, Hiroya, 4,872,885, Cl. 44-51.000.

Tatsumi, Takashi: *See—*

Saitoh, Yoshiro; and Tatsumi, Takashi, 4,876,134, Cl. 428-73.000.

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Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.

Tatsumi, Yoshikazu; and Hisano, Tsuyoshi, to Matsushita Electric Works, Ltd. Over-door interphone system provided with a night-vision monitoring device. 4,843,461, 6-27-89, Cl. 358-108.000.

Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, to Kabushiki Kaisha Toshiba. Semiconductor memory device with redundancy circuit. 4,858,192, 8-15-89, Cl. 365-200.000.

Tatsumi, Yuuichi; Minagawa, Hidenobu; Iwahashi, Hiroshi; Asano, Masamichi; and Imai, Mizuho, to Kabushiki Kaisha Toshiba. Output circuit of semiconductor integrated circuit device. 4,882,507, 11-21-89, Cl. 307-443.000.

Tatsuno, Hiyoshi, to Tokyo Tatsuno Co., Ltd. Portable data processing device. 4,870,604, 9-26-89, Cl. 364-708.000.

Tatsuno, Isamu, to Mont-Bell Co., Ltd. Sleeping bag device. 4,888,828, 12-26-89, Cl. 2-69.500.

Tatsuno, Kimio; Opschoor, Jan; van der Poel, Carolus J.; and Drenten, Ronald R., to Hitachi Ltd.; and U.S. Philips Corporation. Optical device with phase-locked diodelaser array. 4,822,151, 4-18-89, Cl. 350-401.000.

Tatsuno, Kyoichi, to Kabushiki Kaisha Toshiba. Particle size measuring apparatus. 4,801,205, 1-31-89, Cl. 356-336.000.

Tatsuno, Yujiro: *See—*

Furusawa, Tadao; Mitsuyuki, Hiroshi; Sato, Hironobu; Tatsuno, Yujiro; and Matsuoka, Shigeru, 4,858,171, Cl. 364-900.000.

Tatsuo, Shinohara: *See—*

Yoshiki, Fujioka; Shinichi, Kouno; and Tatsuo, Shinohara, 4,823,066, Cl. 318-798.000.

Tatsuoka, Syuuzi; Sekiyama, Hiroshi; and Ishige, Kanji, to Hitachi, Ltd. Soldering method for printed circuit board. 4,819,327, 4-11-89, Cl. 29-840.000.

Tatsuoka, Toshio; Nomura, Kayoko; Satoh, Fumio; Ishihara, Takafumi; Miyano, Seiji; and Sumoto, Kunihiro, to Suntory Limited. 2-phenylbenzoxepin derivative. 4,845,094, 7-4-89, Cl. 514-228.200.

Tatsuoka, Toshio; Suzuki, Kenji; Satoh, Fumio; Miyano, Seiji; and Sumoto, Kunihiro, to Suntory Limited. Hydroquinonlyphenyl butyric acid amide derivative. 4,889,853, 12-26-89, Cl. 514-227.500.

Tatsushima, Masaru; and Sakura, Makoto, to Nikki-Universal Co., Ltd. Ozone cracking catalyst. 4,871,709, 10-3-89, Cl. 502-324.000.

Tatsuta Electric Wire & Cable Co.: *See—*

Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, 4,801,489, Cl. 428-209.000.

Tatsuta Electric Wire and Cable Co., Ltd.: *See—*

Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, 4,814,018, Cl. 106-457.000.

Tatsuta, Kuniaki: *See—*

Umezawa, Hamao, deceased; Takeuchi, Tomio; Tatsuta, Kuniaki; and Takahashi, Yoshikazu, 4,818,818, Cl. 536-6.400.

Umezawa, Hamao, deceased; Aoyagi, Takaaki; Tatsuta, Kuniaki; Nakamura, Takeshi; and Fukatsu, Shunzo, 4,870,207, Cl. 562-439.000.

Umezawa, Hamao, deceased; Tatsuta, Kuniaki; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,877,870, Cl. 536-6.400.

Tatsuta, Sumitaka: *See—*

Fujita, Yutaka; and Tatsuta, Sumitaka, 4,824,721, Cl. 428-321.500.

Usami, Toshimasa; Shimomura, Akihiro; Tatsuta, Sumitaka; and Hatakeyama, Seiji, 4,857,501, Cl. 503-200.000.

Tatsuzaki, Toru: *See—*

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Tatsuzawa, Kaichi; Abe, Takao; and Ogawa, Tetsuo, to Sony Corporation. Servo for VTR drum motor with external reference signal phase modulation. 4,802,032, 1-31-89, Cl. 360-77.130.

Tatum, Harold. Quilting machine device. 4,838,187, 6-13-89, Cl. 112-118.000.

Tatum, James H.: *See—*

Baker, Robert A.; and Tatum, James H., 4,837,399, Cl. 514-468.000.

Tatung Company of America: *See—*

Fu, Cheun-Yuan, 4,880,594, Cl. 361-383.000.

Tatung Company of America, Inc.: *See—*

Huang, Jyh-Chian, 4,850,804, Cl. 416-246.000.

Liu, Chung-Chi, 4,870,982, Cl. 134-135.000.

Tatung-Conair Corporation: *See—*

Chen, Shye L., 4,802,287, Cl. 34-91.000.

Tatuta, Mitugu: *See—*

Kawamoto, Mutumi; Yamada, Takashi; and Tatuta, Mitugu, 4,866,625, Cl. 364-426.020.

Tau, Kwoliang D.: *See—*

Murphy, Mark A.; Smith, Brad L.; Aguilo', Adolfo; and Tau, Kwoliang D., 4,873,378, Cl. 568-867.000.

Tau Laboratories, Inc.: *See—*

Gordon, Joseph, 4,796,973, Cl. 350-1.100.

Taub, Bernard: *See—*

Petschke, Glenn H.; and Taub, Bernard, 4,879,365, Cl. 528-49.000.

Taub, David; Abeles, Robert H.; and Patchet, Arthur A., to Merck & Co., Inc. 3-halovinylglycine antibacterial agents. 4,806,680, 2-21-89, Cl. 562-574.000.

Taub, Floyd, to Digene Diagnostics, Incorporated. Assay for nucleic acid sequences, particularly genetic lesions, using interactive labels. 4,820,630, 4-11-89, Cl. 435-5.000.

Taub, Floyd, to Digene Diagnostics, Incorporated. Bifunctional DNA-protein conjugating agent. 4,873,187, 10-10-89, Cl. 435-5.000.

Taub, Steven I.: *See—*

Thomaides, Lazarus; and Taub, Steven I., 4,838,903, Cl. 55-97.000

Taube, John C., to Phospho Energetics, Inc. Adaptive control of neonatal fractional inspired oxygen. 4,889,116, 12-26-89, Cl. 128-204.230.

Taubenmann, Peter, to Elastogran Maschinenbau GmbH. Apparatus for mixing multicomponent plastics, in particular polyurethane. 4,818,566, 4-4-89, Cl. 422-133.000.

Taubenmann, Peter: *See—*

Becker, Gunther; Reisinger, Gerhard; Taubenmann, Peter; and Linker, Norbert, 4,865,226, Cl. 222-135.000.

Tauber, Arthur: *See—*

Leupold, Herbert A.; and Tauber, Arthur, 4,829,276, Cl. 335-306.000.

Tauber, Karl: *See—*

Temmesfeld, Axel; and Tauber, Karl, 4,823,862, Cl. 165-104.320.

Tauber, Michael. Hammer hat. 4,811,634, 3-14-89, Cl. 81-21.000.

Tauber, Michael J. Bolt head reforming tool. 4,805,495, 2-21-89, Cl. 81-53.200.

Taubert, Hubert; and Webendorfer, Rudolf, to Friedr. Boesner GmbH. Screw. 4,820,098, 4-11-89, Cl. 411-411.000.

Taubert, Hubert. Articulated joint between two shafts. 4,824,418, 4-25-89, Cl. 464-159.000.

Taubitz, Christof; Gausepohl, Hermann; Seiler, Erhard; and Schlemmer, Lothar, to BASF Aktiengesellschaft. Graft polymers of polyphenylene ethers. 4,797,453, 1-10-89, Cl. 525-397.000.

Taubitz, Christof; Gausepohl, Hermann; and Boehlke, Klaus, to BASF Aktiengesellschaft. Self-extinguishing, thermoplastic polyphenylene ether/polyamide molding materials and their use for the production of moldings. 4,866,114, 9-12-89, Cl. 524-100.000.

Taubitz, Christof: *See—*

Barzynski, Helmut; Benthack-Thomas, Heidi; Hellwig, Karl-Ruediger and Taubitz, Christof, 4,889,756, Cl. 428-64.000.

Taubitz, Kurt, to Gebr. Haslbeck GmbH. Folding top for cross-country vehicles. 4,850,634, 7-25-89, Cl. 296-107.000.

Taubner, Fred R.: *See—*

Sigai, A. Gary; and Taubner, Fred R., 4,797,594, Cl. 313-488.000.

Tauchenitz, Harald; and Schupp, Horst, to Robert Bosch GmbH. System for controlling the operating mode of a controlled apparatus. 4,859,922, 8-22-89, Cl. 318-628.000.

Tauchert, Klaus: *See—*

Hauger, Josef; and Tauchert, Klaus, 4,810,118, Cl. 400-212.000.

Tauchi, Hitoshi: *See—*

Inagaki, Akio; Nakai, Kiyotaka; and Tauchi, Hitoshi, 4,849,048, Cl. 156-275.500.

Taudin, Dominique: *See—*

Lewiner, Jacques; Taudin, Dominique; and Carreel, Eric, 4,825,462, Cl. 379-131.000.

Tauer, Elroy J.: *See—*

Chacko, Tharayil; Soucie, Wayne; Tauer, Elroy J.; and Heimann, Robert, 4,870,814, Cl. 57-217.000.

Taufer, Peter: *See—*

Nitschke, Werner; Weller, Hugo; Drobny, Wolfgang; and Taufer, Peter, 4,853,932, Cl. 371-68.000.

Nitschke, Werner; Weller, Hugo; Drobny, Wolfgang; Taufer, Peter; and Jeenicke, Edmund, 4,864,202, Cl. 318-560.000.

Taulbee, Meryl: *See—*

Emery, Leo D.; and Taulbee, Meryl, 4,852,236, Cl. 29-402.110.

Tauman, Harvey S.: *See—*

Goodman, Jack J.; Tauman, Harvey S.; Fox, Charles; and Hart, Thomas J., 4,883,659, Cl. 424-78.000.

Taumberger, Franz: *See—*

Falkenstein, Rudolf; Taumberger, Franz; and Trommer, Reiner, 4,834,490, Cl. 350-96.200.

Taunton Technologies, Inc.: *See—*

Telfair, William B.; Martin, Clifford A.; Gordon, Eugene I.; and Fricke, William C., 4,885,471, Cl. 250-461.100.

Taupier, Mary A.; and Lord, Edith M., to University of Rochester. Serum free cell culture medium. 4,816,401, 3-28-89, Cl. 435-240.310.

Taupin, Dominique; and Vilard, Philippe, to U.S. Philips Corporation. Circuit for switching video sources. 4,860,106, 8-22-89, Cl. 358-181.000.

Taureg, Herbert; Wiese, Helmut; and Schonenbrucher, Paul E., to Viscodrive GmbH. Disconnectable transmission assemblies. 4,885,957, 12-12-89, Cl. 74-710.500.

Taureg, Herbert: *See—*

Wiese, Helmut; and Taureg, Herbert, 4,846,299, Cl. 180-248.000.

Taurus Gumiipari Vallalat: *See—*

Kovacs, Ferenc; Lengyel, Miklosne ; Nagy, Tibor; Antal, Sandor; Gyongyosi, Gyorgy; Palotas, Laszlo; and Pfisztner, Nandor, 4,860,798, Cl. 138-133.000.

Lantos, Elemer; Gyongyosi, Gyorgy; and Antal, Sandor, 4,850,619, Cl. 285-149.000.

Palotas, Laszlo; Laszlo, Geza; Horvath, Lazlo; Baria, Arpadne ; Marion, Barnabas; and Szarka, Ferencne , 4,880,208, Cl. 251-356.000.

Tatai, Llona; Gundisch, Gusztav; Palotas, Laszlo; and Subotics, Gyula, 4,852,713, Cl. 198-337.000.

Taurus Holdings, Inc.: *See—*

Groswith, Charles T., III; Seipp, Edwin A., III; Sun, Rickson; and Yurchenco, James R., 4,874,186, Cl. 281-28.000.

Groswith, Charles T., III; and Seipp, Edwin A., III, 4,887,925, Cl. 402-15.000.

Taus, Richard L.: *See—*

Pitts, James M.; and Taus, Richard L., 4,806,045, Cl. 404-7.000.

Tausch, Peter J.: *See—*

Goodman, Ronald D.; Greenberg, William M.; and Tausch, Peter J., 4,847,157, Cl. 428-426.000.

Tauscheck, Russell W. Glass handling apparatus. 4,832,558, 5-23-89, Cl. 414-798.900.

Tausk, Edward F., to Navistar International Transportation Corp. Closure plug for castings. 4,815,629, 3-28-89, Cl. 220-352.000.

Taussig, Andrew P.: *See—*

Cherry, Craig D.; Taussig, Andrew P.; and Brooks, Michael T., 4,879,456, Cl. 235-462.000.

Taut Inc.: *See—*

McFarlane, Richard H., 4,877,394, Cl. 425-567.000.

Tavecchia, Paolo: *See—*

Chiarino, Dario; Della Bella, Davide; Jommi, Giancarlo; Badone, Domenico; Pagliarin, Roberto; and Tavecchia, Paolo, 4,879,068, Cl. 260-397.000.

Tavelli, Sanford B.: *See—*

Gladden, Ernest L.; and Tavelli, Sanford B., 4,838,165, Cl. 102-275.800.

Tavernetti, Russell E., to Electrohome Limited. System and method for image adjustment in an optical projection system. 4,868,668, 9-19-89, Cl. 358-237.000.

Tavernier, Serge M.; Waterschoot, William C.; and Overmeer, Robert T., to Agfa-Gevaert N.V. Process for image production containing the heat-and-pressure fixing of a still wet or moist toner image. 4,842,972, 6-27-89, Cl. 430-117.000.

Tavernier, Serge M.; Marien, August M.; and Uytterhoeven, Herman J., to AGFA-Gevaert N.V. Fusible electrostatically attractable toner. 4,853,311, 8-1-89, Cl. 430-106.000.

Tavernier, Serge M.; Van Beek, Joannes J.; and van Daele, Pierre L., to AGFA-Gevaert N.V. Magnetic carrier particles. 4,879,198, 11-7-89, Cl. 430-106.600.

Tavitian, Viken: *See—*

Eden, J. Gary; King, Kevin K.; and Tavitian, Viken, 4,843,030, Cl. 437-88.000.

Tavlarides, Lawrence L.; and Bonnet, Julio C., to Syracuse University. Self-calibrating ultrasonic measurement of dispersed phase volumetric holdup in liquid/liquid dispersions. 4,852,396, 8-1-89, Cl. 73-61.10R.

Tavs, Peter; Laas, Harald; Schauer, Horst; and Arnold, Lothar, to BASF Aktiengesellschaft. Increasing the yield of 2.5.6-trimethylcyclohex-2-en-1-one. 4,820,874, 4-11-89, Cl. 568-350.000.

Tawada, Masaharu: *See—*

Iwabuchi, Koji; Tawada, Masaharu; Kanagawa, Noriyuki; Aoyama, Mituhiro; Yamazaki, Katsuhiro; and Kaneko, Kazuo, 4,845,327, Cl. 219-10.55F.

- Iwabuchi, Koji; Kubota, Tetsuo; Tanaka, Yukio; and Tawada, Masaharu, 4,868,359, Cl. 219-10.55D.

- Tawada, Yoshihisa, to Kanegafuchi Chemical Industry Co., Ltd. Amorphous silicon photoreceptor for electrophotography. 4,804,608, 2-14-89, Cl. 430-85.000.
- Tawada, Yoshihisa; and Tsuge, Kazunori, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Film forming apparatus. 4,825,806, 5-2-89, Cl. 118-719.000.
- Tawada, Yoshihisa; Okamoto, Takeo; and Tsuge, Kazunori, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing semiconductor layer. 4,869,976, 9-26-89, Cl. 427-39.000.
- Tawada, Yoshihisa: *See—*
  - Hamakawa, Yoshihiro; Tawada, Yoshihisa; Tsuge, Kazunori; and Izumina, Masanobu; 4,875,943, Cl. 136-244.000.
  - Tsuge, Kazunori; Kuwamura, Shinji; and Tawada, Yoshihisa, 4,862,227, Cl. 357-2.000.
  - Yamamoto, Kenji; Nakayama, Takehisa; and Tawada, Yoshihisa, 4,797,527, Cl. 219-69.00E.
- Tawancy, Hani M.: *See—*
  - Rothman, Michael F.; and Tawancy, Hani M., 4,818,486, Cl. 420-442.000.
- Tawara, Keiko: *See—*
  - Katagiri, Junichi; Nagai, Akira; Tawara, Keiko; Takahashi, Akio; Wajima, Motoyo; Narahara, Toshikazu; and Hiraga, Ryo, 4,886,858, Cl. 525-301.000.
- Tawara, Kiyoshi: *See—*
  - Komatsu, Kenichi; Tawara, Kiyoshi; Nishihara, Eitaro; and Fujimoto, Seiji, 4,817,050, Cl. 364-900.000.
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- Tawara, Takao; Akedo, Jun; and Iwashita, Yoshiyuki, to Opticon Inc. Pattern recognition device. 4,841,129, 6-20-89, Cl. 235-472.000.
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  - Dawson, Andrew J., Jr.; Farrar, John C.; Pirc, Douglas J.; and Taylor, Atalee S., 4,880,397, Cl. 439-620.000.
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  - Wiggs, Christopher C., and Taylor, Christopher J. C., 4,869,506, Cl. 273-155.000.
- Taylor, Clark D.: *See—*
  - Weingart, Oscar; Lunde, Gerald A.; and Taylor, Clark D., 4,822,444, Cl. 156-441.000.
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- Taylor, Clive: *See—*
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  - Hutson, Richard C., 4,845,822, Cl. 29-235.000.
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  - Hartridge, Leonard S. G.; Taylor, David W.; and Waters, Roger L., 4,868,232, Cl. 524-35.000.
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- Taylor, Douglas P.; and Lee, David A., to Tayco Developments, Inc. Frictionless damper. 4,815,574, 3-28-89, Cl. 188-280.000.
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- Taylor, Edward F., to General Motors Corporation. Flush glass installation process. 4,853,055, 8-1-89, Cl. 156-108.000.
- Taylor, Garthwood R.: *See—*
  - Denman, Stephen A.; and Taylor, Garthwood R., 4,884,785, Cl. 254-389.000.
- Taylor, Geoffrey L.; and Saghatchi, Hamid, to Identechs Corporation. Shape memory effect alloy pull wire articulator for borescopes. 4,846,573, 7-11-89, Cl. 356-241.000.
- Taylor, Geoffrey L.: *See—*
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  - Simmons, John G.; and Taylor, Geoffrey W., 4,800,415, Cl. 357-34.000.
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- Taylor, George R.: *See—*
  - Lane, Rodney J.; Taylor, George R.; and Pace, Gary W., 4,828,544, Cl. 604-9.000.
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- Taylor, Gerald W.; and Stanek, Lawrence C., to Myers Industries. Plastic carrier box. 4,871,217, 10-3-89, Cl. 312-216.000.
- Taylor, Glenn N., to Hart Enterprises, Inc. Soft tissue core biopsy instrument. 4,881,551, 11-21-89, Cl. 128-754.000.
- Taylor, Glenn N.: *See—*
  - Widinski, Paul R.; and Taylor, Glenn N., 4,830,238, Cl. 224-42.46R.
- Taylor, Gordon J. Brake cam shaft attachment apparatus. 4,880,085, 11-14-89, Cl. 188-79.550.
- Taylor, Henry F., to Texas A & M University System. Method for producing reflective taps in optical fibers and applications thereof. 4,848,999, 7-18-89, Cl. 65-4.300.
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  - Sprague, David L.; Harney, Kevin; Simon, Allen H.; and Taylor, Herbert H., Jr., 4,881,194, Cl. 364-900.000.
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- Taylor, Hugh F.; Theobald, David R.; and Bernard, Derek J. C., to UTEC B.V. Firing mechanisms for air weapons. 4,850,329, 7-25-89, Cl. 124-68.000.
- Taylor, Ian G.: *See—*
  - Parker, Graham A.; Mayer, Rene J. R.; Taylor, Ian G.; and Bailey, David G., 4,866,362, Cl. 318-368.100.
- Taylor, J. C.: *See—*
  - McCardle, Thomas A.; Taylor, J. C.; and Hentz, Thomas E., 4,863,089, Cl. 227-116.000.
- Taylor, Jack C.: *See—*
  - Roach, Max J.; and Taylor, Jack C., 4,838,477, Cl. 228-222.000.
- Taylor, James B.: *See—*
  - Karwowski, Jan; Magliacano, Anna M.; and Taylor, James B., 4,834,988, Cl. 426-20.000.
- Taylor, James F.: *See—*
  - Herold, Stanley J.; LaGrange, Donald E.; Limberger, Thomas R.; and Taylor, James F., 4,805,533, Cl. 102-341.000.
- Taylor, James J., to United Technologies Corporation. Augmentor liner construction. 4,864,818, 9-12-89, Cl. 60-261.000.
- Taylor, James K.: *See—*
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- Taylor, James L.: *See—*
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- Taylor, James L., Jr. Brake shoe. 4,858,732, 8-22-89, Cl. 188-250.00G.
- Taylor, James M.; and McComack, Richard, Jr., to Atlantic Richfield Company. Apparatus for reeling flexible cable. 4,830,300, 5-16-89, Cl. 242-54.00R.
- Taylor, James M.; and Karner, Gary M., to Atlantic Richfield Company. Retractable dust control hood and guard for rotary table saw. 4,875,398, 10-24-89, Cl. 83-100.000.
- Taylor, James W., to Union Carbide Corporation. Surface active polycarbodiimides. 4,820,863, 4-11-89, Cl. 560-115.000
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  - Craig, Kenneth C., Jr.; Gauglitz, Karl F.; Losh, G. Michael; Mason, Lee R.; Nova, Richard C.; Taylor, James W.; and Prosser, Stephen J., 4,869,253, Cl. 128-633.000.
- Taylor, Janet R.: *See—*
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- Taylor, Jay B.: *See—*
  - Prince, Darrell E.; Wimberly, Jean; and Taylor, Jay B., 4,817,560, Cl. 119-1.000.
- Taylor, Jefferson H.: *See—*
  - Green, Eugene L., Sr.; and Taylor, Jefferson H., 4,800,287, Cl. 250-560.000.
- Taylor, Jeffrey L., to Standard Textile Company, Inc. Bag with dual purpose hook and loop fastener strips and method of making same. 4,822,178, 4-18-89, Cl. 383-33.000.
- Taylor, Jeffrey L.: *See—*
  - Goad, Conrad D.; and Taylor, Jeffrey L., 4,822,667, Cl. 428-265.000.
- Taylor, Jess W. Lawn trimmer shield. 4,845,889, 7-11-89, Cl. 47-23.000.
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- Taylor, Jewell A.; and Bretl, Robert J., to Lock-R-Lock, Inc. Push-button padlocks having swivel-only shackles. 4,862,714, 9-5-89, Cl. 70-25.000.
- Taylor, Jewell A.: *See—*
  - Bretl, Robert J.; and Taylor, Jewell A., 4,866,958, Cl. 70-25.000.
- Taylor, Jim. Automatic ball pitcher. 4,877,243, 10-31-89, Cl. 273-26.00R.
- Taylor, Joann M.; McManus, Paul A.; Murch, Gerald M.; Rochat, Roxanna F.; and Weiman, Novia A., to Tektronix, Inc. Display-based color system. 4,843,573, 6-27-89, Cl. 364-521.000.
- Taylor, John. Cleaning apparatus. 4,825,496, 5-2-89, Cl. 15-24.000.
- Taylor, John A., to Separation Dynamics, Inc. Fuel delivery system. 4,814,087, 3-21-89, Cl. 210-641.000.
- Taylor, John A., to Separation Dynamics, Inc. Fluid decontamination system. 4,844,804, 7-4-89, Cl. 210-321.800.
- Taylor, John A., to Separation Dynamics, Inc. Fluid decontamination system. 4,850,498, 7-25-89, Cl. 210-651.000.
- Taylor, John A., to Separation Dynamics, Inc. Separation of water from hydrocarbons and halogenated hydrocarbons. 4,857,081, 8-15-89, Cl. 55-16.000.
- Taylor, John A., to Separation Dynamics, Inc. Composite semipermeable membranes and method of making same. 4,872,982, 10-10-89, Cl. 210-490.000.
- Taylor, Joan A., to Separation Dynamics, Inc. Method and apparatus for water decontamination. 4,886,603, 12-12-89, Cl. 210-641.000.
- Taylor, John B.; and Ellis, Michael K., to Hewlett-Packard Company. Narrowband signal recognition for EMI measurement. 4,859,933, 8-22-89, Cl. 324-77.00B.
- Taylor, John B., to Brandt, Inc. High bypass ratio counterrotating gearless front fan engine. 4,860,537, 8-29-89, Cl. 60-226.100.
- Taylor, John E.: *See—*
  - Barnett, Malcolm D.; Driskel, Stephen P.; and Taylor, John E., 4,846,566, Cl. 350-96.230.

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  Dalquist, H. David; Jorgensen, Jorgen A.; Keleny, Lloyd G.; Nygren, Donald W.; and Taylor, John N., 4,796,776, Cl. 220-203.000.
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  Feltz, John F.; Taylor, John W.; and Vuketich, Richard S., 4,812,822, Cl. 340-572.000.
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  Ball, Martin F.; Pavely, Andrew P.; and Taylor, Joseph S., 4,813,837, Cl. 413-12.000.
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  Puresevic, Peter J.; and Taylor, Julian D., 4,801,028, Cl. 215-220.000.
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  Damm, Wendell W.; Taylor, Keith A.; Pollock, Ira G.; and Janowitz, Pedro M., 4,860,291, Cl. 371-27.000.
  Hagen, Michael S.; Taylor, Keith A.; and Pollock, Ira G., 4,839,841, Cl. 364-717.000.
Taylor, Keith H. Mirror assembly including an image forming lamp. 4,821,019, 4-11-89, Cl. 362-83.100.
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  Hockaday, Bruce D.; and Taylor, Kenneth D., 4,854,219, Cl. 91-367.000.
Taylor, Kenneth E.: *See—*
  Schaefer, Robert P.; Gustafson, Walter F.; Rutz, David A.; and Taylor, Kenneth E., 4,851,188, Cl. 419-19.000.
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  Assini, John E.; Kissinger, Paula A.; and Taylor, Lance S., 4,865,555, Cl. 439-82.000.
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  Bellotti, Marc; Schnell, William J.; Love, John F.; Murphey, Randy K.; Taylor, Larry C.; and Peluso, Franco, 4,821,996, Cl. 251-9.000.
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Taylor, Lawrence. Ground imbedded support system. 4,801,128, 1-31-89, Cl. 256-68.000.
Taylor, Lawrence D., to Brandt, Inc. Protective circuit for memory devices. 4,799,185, 1-17-89, Cl. 364-900.000.
Taylor, Lawrence W., Jr.: *See—*
  Pamadi, Bandu N.; and Taylor, Lawrence W., Jr., 4,867,397, Cl. 296-180.100.
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  Hendren, Gary L.; Provost, Richard L.; Fried, Kim L.; and Taylor, Leland A., 4,886,578, Cl. 162-123.000.
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  Himmelwright, Richard S.; Mehta, Avinash C.; and Taylor, Lloyd D., 4,888,273, Cl. 430-569.000.
Taylor Lock Company Ltd.: *See—*
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Taylor, Lundy S., Jr. Fluid fill valve for fluid inflatable chambers and toilet tanks. 4,887,633, 12-19-89, Cl. 137-225.000.
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Taylor, Mark, to Compaq Computer Corporation. Circuit and method for performing equal duty cycle odd value clock division and clock synchronization. 4,807,266, 2-21-89, Cl. 377-48.000.
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  West, Eugene L.; and Taylor, Mark, 4,829,983, Cl. 126-363.000.
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Taylor, Reginald M.; and Brock, Alan J., to Glyzinc Pharmaceuticals Limited. Zinc glycerolate complex and additions for pharmaceutical applications. 4,876,278, 10-24-89, Cl. 514-494.000.
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Taylor, Richard S., to Manitowoc Company, Inc., The. Ice machine. 4,845,955, 7-11-89, Cl. 62-71.000.
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Taylor, Walter S. Transparent wine bottle closure and cork. 4,812,317, 3-14-89, Cl. 426-87.000.
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Taylor, Wesley L. Adjustable safety relief valve. 4,799,506, 1-24-89, Cl. 137-469.000.
Taylor, William, to United States Corrulite Corporation. Corrugated plastic board assemblies. 4,828,894, 5-9-89, Cl. 428-53.000.
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  Chin, Arthur H.; and Taylor, William M., 4,887,846, Cl. 285-18.000.
  Hynes, Joseph H.; Owens, James H., III; and Taylor, William M., 4,826,216, Cl. 285-140.000.
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Taylor, William P. Reclining chair. 4,877,291, 10-31-89, Cl. 297-321.000.
Taylor, William T. Jar accelerator. 4,844,157, 7-4-89, Cl. 166-178.000.
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  Hanagata, Takayoshi; and Tazaki, Shigemitsu, 4,839,674, Cl. 346-136.000.
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  Yamaguchi, Shogo; Araki, Kazunori; and Tazuke, Hisashi, 4,860,802, Cl. 141-6.000.
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Takahashi, Minoru; and Kotani, Tsutomu, 4,840,183, Cl. 128-715.000.
Takahashi, Minoru; Sudou, Kiyoto; and Hirayama, Hiromitsu, 4,8[illegible]534, Cl. 239-102.200.
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Tanaka, Kimio; and Shiba, Haruo, 4,799,122, Cl. 360-133.000.
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Tanaka, Kimio; and Shiba, Haruo, 4,802,047, Cl. 360-133.000.
Tanaka, Kimio; and Sekine, Masaoki, 4,802,049, Cl. 360-133.000.
Tanaka, Kimio; and Shiba, Haruo, 4,803,678, Cl. 369-291.000.
Tanaka, Kimio; Ishida, Toshihiko; and Shiba, Haruo, 4,837,651, Cl. 360-133.000.
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Tanaka, Kimio; and Shiba, Haruo, 4,863,031, Cl. 206-444.000.
Tanaka, Kimio; Satoh, Takateru; and Shiba, Haruo, 4,871,153, Cl. 267-155.000.
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Uchiyama, Kenji; Ishizaki, Hideki; and Takayama, Suguru, 4,861,656, Cl. 428-333.000.
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Ueda, Kunihiro; and Nakayama, Masatoshi, 4,863,811, Cl. 428-694.000.
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Yajima, Kohichi; Kohmoto, Osamu; and Yoneyama, Tetsuhito, 4,836,868, Cl. 148-302.000.
Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michiharu; Kotani, Shou; and Yasuda, Sumihiro, 4,874,924, Cl. 219-274.000.
Yokoyama, Kenji; Nakayama, Masatoshi; Maruta, Fumio; and Ueda, Kunihiro, 4,816,334, Cl. 428-336.000.
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TDK Electronic Co., Ltd.: *See—*
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Mashimo, Akira, 4,813,034, Cl. 369-116.000.
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Nagai, Tadao; Yamaguchi, Hirohisa; and Mashimo, Akira, 4,864,423, Cl. 358-322.000.
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Tanishima, Takao; Hayashi, Toru; and Ono, Mamoru, 4,816,942, Cl. 360-78.120.
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Tsuyuguchi, Hiroshi, 4,816,934, Cl. 360-62.000.
Yamaguchi, Hirohisa; Usami, Horoshi; Nagai, Tadao; and Mashimo, Akira, 4,803,677, Cl. 369-44.000.
Yamaguchi, Hirohisa; and Sato, Kenichi, 4,805,164, Cl. 369-58.000.
Yamaguchi, Hirohisa; and Mashimo, Akira, 4,841,504, Cl. 369-32.000.
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Teach, Ted L.: *See—*
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Teague, Ralph T., Jr., to Yale Security Inc. Closer having door position indicator. 4,876,764, 10-31-89, Cl. 16-71.000.
Teague, Randy; and Weinstein, Michael E., to General Instrument Corporation. Microwave amplifier and other microwave components. 4,825,177, 4-25-89, Cl. 330-295.000.
Teague, Randy: *See—*
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Annas, Dulin L., Sr.; and Teague, Richard M., 4,830,471, Cl. 198-349.300.
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Teall, Keith, to Nordyne, Inc. Self-adjusting telescoping concentric flue assembly. 4,865,013, 9-12-89, Cl. 126-307.00R.
Team Construction and Fabrication, Inc.: *See—*
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Team Incorporated: *See—*
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Teare, Karen L.: *See—*
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Tecca, Frank G.; and Weeks, Jonathan N. Scuba tank holder and carrier. 4,832,398, 5-23-89, Cl. 294-151.000.
Teccor Electronics, Inc.: *See—*
Norris, Richard G.; Webb, Monty F.; and Le, Vinh Q., 4,827,497, Cl. 379-26.000.
Tech-Age International Corporation: *See—*
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Tech Research, Inc.: *See—*
Reigstad, Gordon H.; Breivik, A. Norris; and Reigstad, Hanley S., 4,799,307, Cl. 29-452.000.
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Teche, Andre: *See—*
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Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,833,163, Cl. 514-531.000.
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Cassaday, Michael M., 4,865,993, Cl. 436-52.000.
Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Leong, Koon-Wah; and Kumar, Anand, 4,808,539, Cl. 436-74.000.
Chapoteau, Eddy; and Scott, W. James, 4,810,351, Cl. 204-418.000.
Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.
Cremins, John F.; Kim, Young R.; Malin, Michael J.; and Sclafani, Louis D., 4,801,549, Cl. 436-63.000.
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Mawhirt, James A.; Cantatore, Luigi; DiFlora, Joseph E.; McCandless, William J. C.; and Trieb, Marvin, 4,861,553, Cl. 422-65.000.
Raczkowski, Jan, 4,857,247, Cl. 264-40.700.
Saros, Stephen; Smith, John L.; Cassaday, Michael M.; Herron, Rand E.; and Pelavin, Milton H., 4,853,336, Cl. 436-53.000.
Uffenheimer, Kenneth F., 4,799,393, Cl. 73-864.220.
Uffenheimer, Kenneth F., 4,811,611, Cl. 73-864.220.
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Technisch Ontwikkelingsbureau Van Elten B.V.: *See—*
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Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Daniel, Peter; Morgenstern, Rainer; Wehner, Wilfried; and Polster, Manfred, 4,801,300, Cl. 623-22.000.
Kurze, Peter; Rabending, Klaus; Krysmann, Waldemar; Loewicke, Gerold; Knofler, Wolfram; and Graf, Hans-Ludwig, 4,832,602, Cl. 433-220.000.

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- Technitrol, Inc.: *See—*
  - Gaudino, Larry J., 4,886,636, Cl. 419-2.000.
- Techno-Frontier Ltd.: *See—*
  - Kobayashi, Hiroshi; Kobayashi, Masae; and Machida, Haruhiko, 4,872,445, Cl. 126-376.000.
- Techno Instruments Investments 1983 Ltd.: *See—*
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- Technochemie GmbH: *See—*
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- Technographics, Inc.: *See—*
  - Prawdzik, John; Maxim, Norman F.; Lane, William C.; and Antonio, Christo, 4,816,314, Cl. 156-235.000.
- Technolegno S.R.L.: *See—*
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- Technological Resources Corp.: *See—*
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- Technologies Speciales Ingenierie-T.S.I.: *See—*
  - Martin, Andre; and Luong, Minh P., 4,841,149, Cl. 250-330.000.
  - Martin, Andre; and Luong, Minh P., 4,844,661, Cl. 405-232.000.
- Technology Congress, Ltd., The: *See—*
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- Technology Development Associates, Inc.: *See—*
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- Technology Enterprises Company: *See—*
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- Technology for Energy Corporation: *See—*
  - Hendricks, Robert W.; and Wilson, Jack W., 4,827,135, Cl. 250-374.000.
- Technology Inc.: *See—*
  - Harney, Kevin; Keith, John M.; Sprague, David L.; and Astle, Brian, 4,816,913, Cl. 358-133.000.
  - Keith, John M., 4,835,607, Cl. 358-133.000.
  - Ryan, Lawrence D.; Sherrill, James V.; Shedd, Robert D.; and Caracciolo, Gerald T., 4,821,208, Cl. 364-518.000.
  - Simon, Allen H.; Sprague, David L.; Keith, John M.; Patti, Michael F.; Harney, Kevin; Ryan, Lawrence D.; Fedele, Nicola J.; and Astle, Brian, 4,823,201, Cl. 358-133.000.
- Technology Investments Limited: *See—*
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- Technology Research Association of Super Heat Pump Energy Accumulation System: *See—*
  - Ogawa, Yasuo; Noji, Nobuharu; and Koike, Keiji, 4,843,837, Cl. 62-324.100.
- Technology Research & Development, Inc.: *See—*
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- Technology Research International, Inc.: *See—*
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- Technology Unlimited, Inc.: *See—*
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- Technomed International, S.A.: *See—*
  - Lacruche, Bernard; Mestas, Jean-Louis; and Cathignol, Dominique, 4,866,330, Cl. 313-146.000.
- Technometal Gesellschaft fur Metalltechnologie mbH: *See—*
  - Holtermann, Heinz; and Luven, Arno, 4,872,648, Cl. 266-275.000.
- Technopark Mine Co., Ltd.: *See—*
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- Technoplas, Inc.: *See—*
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  - Kojima, Hisashi; and Miyagi, Tatsuo, 4,889,667, Cl. 264-40.100.
- Technoset Ltd.: *See—*
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- Technostaal Schouten, Inc.: *See—*
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- Techo Instruments Investments Ltd.: *See—*
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- Techonoplas, Inc.: *See—*
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- Techsonic Industries, Inc.: *See—*
  - Bailey, James B., 4,829,493, Cl. 367-111.000.
  - Bailey, James B.; Gibson, Robert R.; Nunley, Alvin, III; and Utz, Q. Wayne, 4,873,676, Cl. 367-98.000.
- Tecinsky, Jaroslav. Numerically controlled electromechanical precision drive system. 4,798,999, 1-17-89, Cl. 318-45.000.
- Teckenbrock, Gary. Adjustable bicycle seat post. 4,807,856, 2-28-89, Cl. 267-132.000.
- Tecknit: *See—*
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- Tecknowledge, Inc.: *See—*
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- Tecle, Haile: *See—*
  - Downs, David A.; Moos, Walter H.; Moreland, David W.; and Tecle, Haile, 4,798,841, Cl. 514-357.000.
- Tecma Laboratories: *See—*
  - Trenzeluk, Theodore, 4,880,627, Cl. 424-640.000.
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  - Trenzeluk, Theodore, 4,857,328, Cl. 424-195.100.
- Tecno S.p.A. Mobili e Forniture per Arredamento: *See—*
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- Tecnodelta S.A.: *See—*
  - Mantovani, Elis, 4,796,353, Cl. 29-596.000.
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- Tecnol, Inc.: *See—*
  - Hubbard, Vance M.; and Brunson, Welton K., 4,798,199, Cl. 128-87.00R.
  - Hubbard, Vance M.; and Brunson, Welton K., 4,802,473, Cl. 128-206.190.
  - Hubbard, Vance M.; and Brunson, Welton K., 4,872,599, Cl. 224-208.000.
- Tecnoma: *See—*
  - Ballu, Patrick, 4,872,467, Cl. 134-104.200.
  - Ballu, Patrick J. M., 4,881,687, Cl. 239-332.000.
- Tecnomagnete S.p.A.: *See—*
  - Cardone, Michele; Grandini, Angelo; and Zaramella, Bruno, 4,847,582, Cl. 335-289.000.
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- Tecnomare S.p.A.: *See—*
  - Agostoni, Alberto; D'Agostino, Alfredo; Craighero, Enrico; and Marazza, Renzo, 4,881,620, Cl. 182-179.000.
  - Orlando, Crescenzo; Zenere, Sandro; Butera, Antonio; and Beghetto, Leonardo, 4,883,386, Cl. 405-136.000.
- Tecnomasio Italiano Brown Boveri S.p.A.: *See—*
  - Chiarion, Giovanni, 4,866,364, Cl. 318-704.000.
- Tecom Industries Incorporated: *See—*
  - Sefton, Harry B., Jr., 4,831,384, Cl. 342-188.000.
- Tecon, Inc.: *See—*
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- Tecron Industries Limited: *See—*
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- Tecumseh Products Company: *See—*
  - Fry, Emanuel D., 4,840,547, Cl. 417-422.000.
  - Fry, Emanuel D.; and Gannaway, Edwin L., 4,846,635, Cl. 417-410.000.
  - Gannaway, Edwin L., 4,834,627, Cl. 417-415.000.
  - Gannaway, Edwin L., 4,838,769, Cl. 417-312.000.
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  - Gannaway, Edwin L.; and Ortiz, Arturo L., 4,889,475, Cl. 417-350.000.
  - Gatecliff, George W.; and Gannaway, Edwin L., 4,834,632, Cl. 417-534.000.
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  - Kronich, Peter G., 4,856,467, Cl. 123-90.430.
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  - Marriott, Lee W., 4,884,541, Cl. 123-361.000.
  - Morse, Robert L., 4,827,725, Cl. 62-503.000.
  - Morse, Robert L., 4,835,849, Cl. 29-156.70R.
  - Ortiz, Arturo L., 4,881,879, Cl. 417-312.000.
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  - Steiner, Ronald O., 4,884,716, Cl. 220-202.000.
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- Tedeschi, Michele: *See—*
  - Tognella, Sergio; Tedeschi, Michele; Assereto, Roberto; Tofanetti, Odoardo; and Cavalletti, Ennio, 4,871,528, Cl. 424-10.000.
- Tedeschi, Vincent; and Chapman, Dwight E., to Borden, Inc. Woven-backed vinyl decorative-coverings with starchy-PVA prepaste adhesive. 4,844,972, 7-4-89, Cl. 428-246.000.
- Tedesco, Albert D.; Stammreich, John C.; Harmon, Raymond E.; and Rourne, William R., Jr., to Rexnord Holdings Inc. Low profile latch. 4,858,970, 8-22-89, Cl. 292-113.000.
- Tedesco, John L.: *See—*
  - Andrews, William H.; Brothers, Virginia M.; Files, James G.; Kuhn, Irene; McCaman, Michael T.; Paul, Leland S.; Sias, Stacey R.; Gore, Thomas C.; Newman, Karel Z., Jr.; and Tedesco, John L., 4,874,705, Cl. 435-252.330.
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  - Rotherham, Alan C., 4,821,940, Cl. 227-107.000.

- Tee, Sim A., to Sun Industrial Coatings Private Ltd. Apparatus for holding electrical or electronic components during the application of solder. 4,856,455, 8-15-89, Cl. 118-500.000.
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  - Linder, Ernst; Rembold, Helmut; and Teegen, Walter, 4,856,482, Cl. 123-506.000.
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- Teets, Alan R.: *See—*
  - Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Butler, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.
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  - Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, 4,822,894, Cl. 548-252.000.
- Tefft, Edward C., III: *See—*
  - Grote, Michael G.; Stark, John A.; and Tefft, Edward C., III, 4,819,719, Cl. 165-104.260.
- Tegal Corporation: *See—*
  - Drage, Davod J.; and Safi, Toufic, 4,857,138, Cl. 156-643.000.
  - Fior, Gianni O., 4,889,588, Cl. 156-643.000.
  - Mirkovich, Ninko T., 4,861,222, Cl. 414-648.000.
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  - Warenback, Douglas H.; and Hoog, Josef T., 4,867,631, Cl. 414-786.000.
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- Tegart, Harold G. Double ended golf course. 4,798,385, 1-17-89, Cl. 273-176.00A.
- Tegawa, Masao: *See—*
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- Tegel, Christiaan J. Stand for displaying spectacles or spectacle frames. 4,805,781, 2-21-89, Cl. 211-13.000.
- Tegeler, John J.; and Shoger, Kirk D., to Hoechst-Roussel Pharmaceuticals Inc. 4,8-dihydro-8-arylisoxazolo[4,3-e][1,4]-oxazepin-5(6H)-ones. 4,800,200, 1-24-89, Cl. 514-211.000.
- Tegeler, John J.; and Shoger, Kirk D., to Hoechst-Roussel Pharmaceuticals, Inc. Arylthiadiazolylsulfonamides and derivatives. 4,873,239, 10-10-89, Cl. 514-227.800.
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  - Chun-cheng, Huang, 4,876,795, Cl. 30-254.000.
  - Huang, Chung-Chen, 4,819,530, Cl. 83-39.000.
- Tehalit Kunststoffwerk GmbH: *See—*
  - Pollak, Gottfried; and Muller, Gunther, 4,809,473, Cl. 32-220.000.
- Tehan, Frank V. Folding arrow. 4,795,165, 1-3-89, Cl. 273-416.000.
- Tehrani, Abolghassem Y.: *See—*
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- Tei, Sadahiro, to Fuji Xerox Co., Ltd. Photoelectric converting device. 4,829,353, 5-9-89, Cl. 357-30.000.
- Teibow Co., Ltd.: *See—*
  - Otsuka, Katsumi, 4,842,433, Cl. 401-209.000.
  - Shimoishi, Tetsuo; Aoki, Yasuhiro; and Otsuka, Katsumi, 4,795,286, Cl. 401-209.000.
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- Teich, Wesley W.: *See—*
  - Freedman, George; Bowen, Robert F.; and Teich, Wesley W., 4,795,873, Cl. 219-10.55E.
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  - Gerke, Dieter; and Teichler, Heide, 4,851,967, Cl. 361-426.000.
- Teichmann, Clemens, to Atelier fur Kunst und Technik GmbH. Projector lamp. 4,819,143, 4-4-89, Cl. 362-282.000.
- Teichmann, Robert J.; Walther, James F.; and Mulhall Robert C., to Potters Industries, Inc. Nickel particle plating system. 4,857,233, 8-15-89, Cl. 252-513.000.
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  - Shavit, Eyal; and Teichner, Lester, 4,799,156, Cl. 364-401.000.
- Teichner, Marshall I., to Minatur Promotions and Enterprises, Ltd. Self-contained, collapsible demonstration table with a backboard, for use in product demonstrations. 4,887,536, 12-19-89, Cl. 108-35.000.
- Teichner, Robert W.: *See—*
  - Merrick, Stephen P.; and Teichner, Robert W., 4,863,806, Cl. 428-571.000.
- Teijido, Joseph A.; Cook, Charles E.; and Roe, Dennis M., to Deere & Company. Compact combine drive system. 4,843,803, 7-4-89, Cl. 56-14.600.
- Teijin Limited: *See—*
  - Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,838,923, Cl. 71-86.000.
  - Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; and Ichikawa, Yataro, 4,845,264, Cl. 560-053.000.
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  - Hamamoto, Kimihiko; Tokashiki, Michiyuki; Ichikawa, Yataro; Arai, Takami; and Ishimaru, Kenji, 4,814,278, Cl. 435-286.000.
  - Hidaka, Osafumi; Sakai, Tomoki; and Sakano, Toyoaki, 4,801,458, Cl. 424-443.000.
  - Hiramatsu, Toshiyuki; Azuma, Shizuo; Nakagawa, Koji; and Ichikawa, Yataro, 4,812,163, Cl. 71-92.000.
  - Hirose, Masahiko; Kuratsuji, Takatoshi; Matsubayashi, Tooru; and Sakai, Kouichi, 4,844,987, Cl. 428-474.400.
  - Imaizumi, Atsushi; Kamimura, Takashi; Suwa, Yorimasa; and Okada, Masahiro, 4,810,780, Cl. 530-350.000.
  - Ishii, Seiji, 4,861,660, Cl. 428-371.000.
  - Kadokura, Sadao; Honjo, Kazuhiko; Tomie, Takashi; and Naoe, Masahiko, 4,842,708, Cl. 204-298.000.
  - Kadokura, Sadao; Kamei, Kazuhiro; and Honjyo, Kazuhiko, 4,858,043, Cl. 360-99.010.
  - Kato, Akira; Ikuta, Terukuni; and Tamada, Masamichi, 4,822,384, Cl. 55-158.000.
  - Katoh, Hideo; Hamano, Hisashi; Hasegawa, Kinji; and Noumi, Yoshihiro, 4,818,581, Cl. 428-143.000.
  - Kawaguchi, Takeo; Fujinaga, Shigeki; and Suzuki, Yoshiki, 4,868,162, Cl. 514-50.000.
  - Kawaguchi, Takeyuki; and Shiro, Takashi, 4,820,649, Cl. 436-501.000.
  - Kumakawa, Shiro, 4,835,055, Cl. 428-378.000.
  - Makino, Yuji; Matugi, Hideo; and Suzuki, Yoshiki, 4,814,176, Cl. 424-457.000.
  - Makino, Yuji; Suzuki, Yoshiki; and Aoyagi, Takashi, 4,871,723, Cl. 514-167.000.
  - Matsui, Hideo; and Fujie, Hiroshi, 4,842,796, Cl. 264-184.000.
  - Matsumura, Shunichi; and Inata, Hiroo, 4,842,797, Cl. 264-203.000.
  - Morinaga, Tsuto; Miura, Kin-ichiro; Shimotohno, Kunitada; Ikegami, Masato; and Ichikawa, Yataro, 4,855,237, Cl. 435-320.000.
  - Noyori, Ryoji; Suzuki, Masaaki; Kawagishi, Toshio; and Kurozumi, Seizi, 4,845,282, Cl. 562-500.000.
  - Noyori, Ryoji; Suzuki, Masaaki; Yanagisawa, Akira; and Kurozumi, Seizi, 4,886,903, Cl. 560-121.000.
  - Sasaki, Yoshiyuki; and Kasaoka, Katsuyuki, 4,835,956, Cl. 57-245.000.
  - Sasaki, Yoshiyuki; and Okamoto, Tetsuo, 4,874,658, Cl. 428-220.000.
  - Sawaki, Toru; Sasaki, Hideharu; Nakamura, Tsutomu; and Sadanobu, Jiro, 4,840,762, Cl. 264-29.200.
  - Shimada, Keizo; Aoyama, Toshihiro; and Yoshida, Hidetsugu, 4,826,892, Cl. 522-148.000.
  - Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, 4,851,504, Cl. 528-287.000.
  - Suzuki, Yoshiki; and Ikura, Hiroshi, 4,835,142, Cl. 514-53.000.
  - Tanaka, Toshio; Hazato, Atsuo; and Kurozumi, Seizi, 4,797,506, Cl. 560-121.000.
  - Tanaka, Toshio; Hazato, Atsuo; Kurozumi, Seizi; and Koga, Masahiro, 4,841,091, Cl. 558-441.000.
  - Wilson, William C., 4,849,012, Cl. 71-122.000.
  - Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, 4,885,057, Cl. 162-9.000.
  - Yamaura, Michio; Yatabe, Toshiaki; Matsuzawa, Hiroshi; and Tomie, Takashi, 4,865,916, Cl. 428-336.000.
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  - Matsumoto, Kazuyuki; Hashimoto, Masataka; and Iwata, Michiyoshi, 4,846,018, Cl. 74-804.000.
  - Sugioka, Takami; Naoki, Shigeru; and Ueno, Toshiyuki, 4,822,972, Cl. 219-10.492.
  - Tachibana, Juro; and Nishimura, Yoshihide, 4,878,279, Cl. 28-203.000.
  - Takagi, Shigeyuki, 4,817,498, Cl. 91-361.000.
  - Takagi, Shigeyuki, 4,878,005, Cl. 318-621.000.
  - Toshio, Kamimura; and Koji, Ito, 4,852,853, Cl. 251-129.070.
  - Toshio, Kamimura; and Koji, Ito, 4,869,288, Cl. 137-494.000.
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  Komori, Seiichi; and Muramatsu, Toyojiro, 4,844,898, Cl. 424-150.000.
Teiken, Gerald W.: *See—*
  Byram, David C.; Teiken, Gerald W.; and Whaley, Ralph D., 4,834,083, Cl. 128-200.230.
Teikoku Chuck Co., Ltd.: *See—*
  Oki, Masaru; and Hiraoka, Muneki, 4,833,955, Cl. 82-142.000.
Teikoku Hormone Mfg. Co., Ltd.: *See—*
  Yasuda, Kikuo; Shibata, Kenyu; Honma, Seijiro; Seki, Toshimi; Hasumi, Kohichi; Masuda, Takeshi; Izumi, Akihiro; Ishimori, Tsutomu; Gotanda, Kotaro; and Uno, Masako, 4,843,072, Cl. 514-247.000.
Teikoku Kako Co., Ltd.: *See—*
  Kimura, Shiuji, 4,812,174, Cl. 148-251.000.
  Saito, Atsushi; Okuri, Yasuhiro; Nakano, Takahiro; Murakami, Masahiko; and Okuda, Masaaki, 4,845,136, Cl. 523-451.000.
Teikoku Seiyaku Kabushiki Kaisha: *See—*
  Konishi, Ryoji, 4,889,720, Cl. 424-448.000.
  Mizobuchi, Tadafumi; Ohji, Akihito; Sakoh, Seiichi; and Muguruma, Yasuyoshi, 4,876,092, Cl. 424-435.000.
Teikoku Tsushin Kogyo Co., Ltd.: *See—*
  Mizuno, Shinji, 4,815,981, Cl. 439-77.000.
Teillauchet, Eric; and Bandiera, Angelo, to Societe Nouvelle d'Exploitation la Calhene. Device for the disconnectable coupling of a toggle joint to a telemanipulator slave arm. 4,873,885, 10-17-89, Cl. 74-520.000.
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  Guillemet, Alain; Teillaud, Eric; Reginault, Philippe; and Bevan, Bruno, 4,837,025, Cl. 424-448.000.
  Guillemet, Alain; Teillaud, Eric; and Reginault, Philippe, 4,842,864, Cl. 424-448.000.
Teirlinck, Didier; and Gagniere, Jacques, to Cegedur Societe de Transformation de l'Aluminium Pechiney. Aluminium alloy for thin metal sheets which are suitable for the production of can lids and bodies and a process for manufacturing said metal sheets. 4,855,107, 8-8-89, Cl. 420-546.000.
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Teisen-Simony, Claude F. P., to Sign-D-Sign A/S. Plate mounting system, especially for signposting purposes, and connecting element therefor. 4,813,197, 3-21-89, Cl. 52-785.000.
Teisseire, Jean-Pierre: *See—*
  Janniere, Alain; and Teisseire, Jean-Pierre, 4,868,535, Cl. 337-68.000.
Teissier, Remy; and Clamens, Serge, to Societe Chimique des Charbonnages. Di-bishydroxypropyl cyanuric acid, trisubstituted derivatives thereof and a process for their preparation. 4,874,859, 10-17-89, Cl. 544-221.000.
Teitzel, Robin L.: *See—*
  Goodman, Allan L.; Green, Morris H.; Jolley, Matthew J.; Teitzel, Robin L.; and Wipfli, John L., 4,806,921, Cl. 340-747.000.
Teixeira Farms, Inc.: *See—*
  Teixeira, Norman J., 4,838,418, Cl. 206-386.000.
Teixeira, Norman J., to Teixeira Farms, Inc. Hazardous waste container. 4,838,418, 6-13-89, Cl. 206-386.000.
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  Aoki, Takahiro; and Tejima, Shunichiro, 4,800,560, Cl. 370-104.000.
Tejima, Yasuyuki; Sugawara, Saburo; and Yuda, Hideaki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Auxiliary light projecting apparatus for a focus detecting system. 4,870,442, 9-26-89, Cl. 354-403.000.
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  Leveen, Harry H.; and Kahler, William, 4,813,855, Cl. 417-477.000.
Tek Electronics Manufacturing Corporation: *See—*
  Matheny, Mark, 4,829,561, Cl. 379-144.000.
Tekamp-Olson, Patricia: *See—*
  Burke, Rae L.; Rosenberg, Steven; Shuster, Jeffrey R.; Tekamp-Olson, Patricia; Valenzuela, Pablo D. T.; and Barr, Philip J., 4,880,734, Cl. 435-68.000.
Tekamp-Olson, Patricia A.: *See—*
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Tekatch, William M.; and Balaz, Karol J. Decomposition of ammonium thiocyanate. 4,832,930, 5-23-89, Cl. 423-356.000.
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  Schult, Leslie H.; and Tekautz, Charles J., Jr., 4,861,060, Cl. 280-439.000.
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Tekedge Development Corp.: *See—*
  Shaw, Brian; and Hargrove, J. Lloyd, 4,864,297, Cl. 340-902.000.
Tekex Company: *See—*
  Denman, Stephen A., 4,804,144, Cl. 239-346.000.
Tekip, Gary L.; and Mesko, Charles A. Apparatus for supporting an electronic receiving or sending device on a tripodal tower. 4,799,067, 1-17-89, Cl. 343-890.000.
Tekippe, Vincent J., to Gould Inc. Detection device using fiber optic techniques. 4,799,751, 1-24-89, Cl. 350-96.150.
Tekippe, Vincent J.: *See—*
  Lawson, Christopher M.; Tekippe, Vincent J.; and Kopera, Paul, 4,834,481, Cl. 350-96.150.
Tekken Construction Co., Ltd.: *See—*
  Kumai, Fumitaka; and Takano, Yoshihiro, 4,799,824, Cl. 405-146.000.
  Yamamoto, Minoru; and Kumai, Fumitaka, 4,863,313, Cl. 405-146.000.
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  Johnson, Peter E.; Johnson, David A.; and Kahl, George W., 4,822,234, Cl. 414-798.900.
  Johnson, Peter E.; and Johnson, David A., 4,824,307, Cl. 44-798.200.
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  Osterhout, Ralph; Kash, Richard; Cederlind, Gregory; and Gleason, Greta L., 4,794,803, Cl. 73-865.100.
  Siefert, Steven G.; and Osterhout, Ralph F., 4,821,156, Cl. 362-187.000.
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Teknekron Infoswitch Corporation: *See—*
  Crockett, Gary B.; Torres-Ball, Jocelyn J.; and Olender, Arthur J., 4,829,563, Cl. 379-309.000.
  Mann, James A., Jr.; and Haselton, E. Fletcher, 4,840,570, Cl. 439-74.000.
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  Karras, Ernest; Chiodras, Peter J.; and Harrison, John M., 4,849,971, Cl. 370-110.100.
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Tekscan, Inc.: *See—*
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Tekscan Limited: *See—*
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  Cashell, Edmund M.; and McDonnell, Liam, 4,860,224, Cl. 364-551.010.
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  Ainsworth, Kenneth M.; and Baker, Daniel G., 4,864,386, Cl. 358-10.000.
  Allsop, Bryan E.; Mabbitt, Allen W.; and Smith, Kevin K., 4,889,985, Cl. 250-214.00A.
  Baker, Daniel G.; Cooper, William J.; and Penney, Bruce J., 4,890,158, Cl. 358-10.000.
  Bales, Robert W.; and Olson, Lynn T., 4,890,237, Cl. 364-485.000.
  Barak, David T., 4,823,128, Cl. 341-118.000.
  Bateman, Glenn; and Brand, Donald L., 4,841,497, Cl. 368-113.000.
  Batson, Brian; and Diehm, Brian D., 4,821,030, Cl. 340-712.000.
  Batson, Brian E., 4,809,189, Cl. 364-487.000.
  Baur, Bruce K., 4,864,251, Cl. 330-285.000.
  Beck, Kent L.; and Cunningham, Howard G., Jr., 4,885,717, Cl. 364-900.000.
  Beckett, Frederick J., 4,835,859, Cl. 29-846.000.
  Bell, Marshall J., Jr.; and Draper, Daniel S., 4,885,547, Cl. 330-254.000.
  Booman, Richard A.; and Blazo, Stephen F., 4,868,380, Cl. 250-211.00R.
  Bos, Philip J., 4,870,398, Cl. 340-784.000.
  Boudon, Douglas M.; and Gottsch, Jim, 4,825,339, Cl. 361-390.000.
  Boudon, Douglas M., 4,864,469, Cl. 361-395.000.
  Boyce, Douglas G.; Deleganes, Sam M.; Nathanson, Robert M.; and Bieber, Timothy E., 4,796,258, Cl. 371-16.000.
  Buzak, Thomas S., 4,864,538, Cl. 365-128.000.
  Buzak, Thomas S.; and Vatne, Rolf S., 4,884,874, Cl. 350-336.000.
  Carlton, Dale E.; Baker, Clifford E.; and Henricksen, Ronald M., 4,876,655, Cl. 364-487.000.
  Caspell, George J., 4,825,100, Cl. 307-279.000.
  Castagnozzi, Daniel M., 4,888,588, Cl. 341-122.000.
  Causley, Gary C.; and Peterson, Mary J., 4,818,285, Cl. 106-22.000.
  Cleary, Edward J., Jr.; and Hofer, Bruce E., 4,811,395, Cl. 381-4.000.
  Cleary, Edward J., Jr.; Coleman, Mike R.; and Jones, Michael R., 4,841,200, Cl. 315-363.000.
  Coleman, Mike R.; and Ciardi, John J., 4,823,090, Cl. 328-114.000.
  Conner, Arlie R., 4,857,906, Cl. 340-784.000.
  Correll, Ronald E., 4,812,707, Cl. 313-435.000.
  Cowan, Clarence E.; and Christensen, Ronald K., 4,862,020, Cl. 307-601.000.
  Crinon, Regis J.; and Jenq, Yih-Chyun, 4,800,443, Cl. 338-280.000.
  Culpepper, Charles F., 4,813,045, Cl. 372-38.000.
  Dalrymple, John C.; and Paul, Byron G., 4,862,155, Cl. 340-747.000.
  Damm, Wendell W.; Taylor, Keith A.; Pollock, Ira G.; and Janowitz, Pedro M., 4,860,291, Cl. 371-27.000.

  DeHoff, Richard J.; and Hildebrandt, Peter W., 4,808,979, Cl. 340-709.000.
  Diehm, Brian D.; and Stanley, James C., 4,823,283, Cl. 364-518.000.
  Dobos, Laszlo J., 4,795,923, Cl. 307-605.000.
  Dobos, Laszlo J., 4,851,789, Cl. 331-108.00B.
  Dobyns, Kenneth P.; and Tsadilas, James R., 4,813,194, Cl. 52-309.130.
  Doeling, Wallace D., 4,856,184, Cl. 29-852.000.
  Duisberg, Robert A., 4,821,220, Cl. 364-578.000.
  Easterday, John L., 4,835,736, Cl. 364-900.000.
  Ecklund, Denise J., 4,853,843, Cl. 364-200.000.
  English, James D., 4,799,020, Cl. 324-79.00R.
  Enochs, R. Scott; Jansen, Scott R.; Murphy, Daniel R.; Randall, Randy S.; and Roth, Joanne, 4,818,056, Cl. 350-96.200.
  Etheridge, Eric P., 4,859,928, Cl. 323-311.000.
  Fields, Walter D.; and Larkins, Gary K., 4,821,007, Cl. 333-238.000.
  Freiling, Michael J.; Alexander, James H.; Phillips, Brian; and Messick, Steven L., 4,816,994, Cl. 364-200.000.
  Frisch, Arnold M., 4,833,350, Cl. 307-475.000.
  Garuts, Valdis E., 4,835,488, Cl. 330-258.000.
  Green, Morris H., 4,855,670, Cl. 324-73.00R.
  Grellmann, Heinz E.; and Roland, Leonard A., 4,831,222, Cl. 200-257.000.
  Greub, Hans J., 4,833,649, Cl. 365-189.060.
  Greub, Hans J., 4,833,695, Cl. 375-118.000.
  Hagen, Michael S.; Taylor, Keith A.; and Pollock, Ira G., 4,839,841, Cl. 364-717.000.
  Haines, Douglas I.; Stock, W. Riley; and Dobak, David E., 4,823,076, Cl. 324-121.00R.
  Haines, Douglas I.; and Welborn, Patrick E., 4,823,189, Cl. 358-75.000.
  Hansen, Victor L.; and Balakrishnan, Shiv K., 4,802,098, Cl. 364-487.000.
  Hansen, Victor L.; and Etheridge, Eric, 4,809,208, Cl. 364-724.120.
  Hansen, Victor L., 4,835,723, Cl. 364-724.010.
  Harris, David L., 4,827,230, Cl. 333-202.000.
  Hayden, Leonard A.; and Bales, Robert W., 4,827,227, Cl. 331-179.000.
  Hayes, Raymond; and Heidtmann, Denis L., 4,862,235, Cl. 357-24.000.
  Helderman, Earl R.; Holmes, Robert E.; and Zimmerman, Robert R., 4,847,445, Cl. 174-68.500.
  Helton, Raymond L.; Trobough, Douglas W.; and McPherson, Marianne, 4,814,049, Cl. 204-44.200
  Herrick, Geoffrey C.; and Sang, Emmanuel, 4,845,397, Cl. 310-348.000.
  Hollister, Allen L.; and Reuss, Edward L., 4,799,165, Cl. 364-487.000.
  Holmbo, Dennis L., 4,860,200, Cl. 364-200.000.
  Hoo, Kee K., 4,875,867, Cl. 439-157.000.
  Ivie, Frank M., 4,814,872, Cl. 358-139.000.
  Jaeger, Charles W.; Titterington, Donald R.; Le, Hu P.; and Sopko, Jeffrey J., 4,889,560, Cl. 106-27.000.
  Jenq, Yih-Chyun; and Crosby, Philip S., 4,858,142, Cl. 364-487.000.
  Johnston, Roger E.; and Tang, Alex Y., 4,819,049, Cl. 357-40.000.
  Jordan, Dale A.; Fitzsimmons, Lynne A.; Greenseth, William A.; Hoffman, Gregory L.; and Stubbs, David D., 4,868,785, Cl. 364-900.000.
  Kareem, Arif; Walker, George S.; and Knierim, Daniel G., 4,843,309, Cl. 324-121.00R.
  Kersenbrock, Michael D., 4,801,813, Cl. 307-40.000.
  Knierim, David L., 4,823,301, Cl. 364-761.000.
  Konishi, Tomoo, 4,800,571, Cl. 375-10.000.
  Konishi, Tomoo, 4,816,897, Cl. 358-10.000.
  Lamb, James S., 4,808,936, Cl. 328-155.000.
  Lamb, James S., 4,890,067, Cl. 330-149.000.
  LaVoie, Marvin E., 4,862,102, Cl. 330-256.000.
  Liepe, Steven F., 4,808,906, Cl. 323-223.000.
  Lloyd, Randall B., 4,823,028, Cl. 309-355.000.
  Luthra, Ajay K.; and Jenq, Yih-Chyun, 4,825,379, Cl. 364-487.000.
  Matney, Earl G., 4,811,083, Cl. 358-10.000.
  Matney, Earl G., 4,88[illegible],725, Cl. 364-807.000.
  Maxson, Scott A.; and Sonneborn, John H., 4,808,879, Cl. 313-421.000.
  McKibben, Barry A.; and Cleary, Edward J., Jr., 4,864,167, Cl. 307-549.000.
  Meadows, Robert D.; and McCoy, Roger J., 4,853,498, Cl. 178-19.000.
  Metz, Arthur J., 4,797,572, Cl. 307-269.000.
  Metz, Arthur J., 4,801,827, Cl. 307-602.000.
  Miller, Norbert, 4,885,713, Cl. 364-604.000.
  Mitch, John H., 4,818,263, Cl. 65-2.000.
  Mitchell, Roy O.; Klaudt, Milton D.; and Ullom, Kathleen F. M., 4,876,484, Cl. 315-94.000.
  Mutton, Jon C., 4,839,619, Cl. 335-125.000.
  Odenheimer, Ronald P., 4,818,932, Cl. 324-121.00R.
  Odenheimer, Ronald P., 4,887,279, Cl. 375-10.000.
  Odenthal, Conrad J, 4,853,601, Cl. 315-368.000.
  Olisar, Ronald A.; and Knierim, Daniel G., 4,873,456, Cl. 307-272.100.
  Penney, Bruce J., 4,829,366, Cl. 358-10.000.
  Petersen, Ronald O.; and McAlpin, James L., 4,804,885, Cl. 313-480.000.
  Pratt, George B., 4,814,732, Cl. 335-230.000.
  Providenza, John R.; and Ableidinger, Bruce, 4,849,924, Cl. 364-770.000.
  Rath, Dale R., 4,847,532, Cl. 313-407.000.
  Riley, Larry D.; and Heidtmann, Denis L., 4,803,531, Cl. 357-24.000.
  Sachitano, Jack; Boyer, Paul K.; Park, Hee K.; and Eiden, Gregory C., 4,826,782, Cl. 437-44.000.
  Said, Ahmed M. F., 4,870,593, Cl. 364-481.000.
  Sanielevici, Sergio A., 4,873,457, Cl. 307-353.000.
  Sanielevici, Sergio A., 4,885,545, Cl. 328-151.000.
  Schnarel, Charles B., 4,888,582, Cl. 340-703.000.
  Shank, Gordon W., 4,855,968, Cl. 368-115.000.
  Smith, Kevin K.; and Allsop, Bryan E., 4,859,935, Cl. 324-121.00R.
  Smith, Kevin K.; Allsop, Bryan E.; and Naik, Seb, 4,882,482, Cl. 250-214.00A.
  Smith, Michael D.; Rowan, Stuart H.; Vistica, Robert S.; and Morton, Steven R., 4,870,348, Cl. 324-77.00B.
  Soar, Steven E., 4,838,802, Cl. 439-98.000.
  Spence, Gary A., 4,862,096, Cl. 328-75.000.
  Stallkamp, Richard W., 4,827,250, Cl. 340-727.000.
  Stanley, James C.; and Diehm, Brian D., 4,884,228, Cl. 364-579.000.
  Stein, William W., 4,851,320, Cl. 430-198.000.
  Stein, William W.; and Miller, Lawrence J., 4,889,573, Cl. 156-89.000.
  Stevens, Douglas C.; and Fox, Henry G., 4,868,465, Cl. 315-392.000.
  Stoops, John F., 4,808,858, Cl. 307-544.000.
  Stoops, John F., 4,873,646, Cl. 364-487.000.
  Stubbs, David D., 4,812,996, Cl. 364-487.000.
  Stuebing, Carlton, 4,843,255, Cl. 307-273.000.
  Stuebing, Carlton, 4,857,760, Cl. 307-234.000.
  Sula, Stanley J., 4,853,580, Cl. 310-339.000.
  Tallman, James L., 4,813,009, Cl. 364-900.000.
  Taylor, Joann M.; McManus, Paul A.; Murch, Gerald M.; Rochat, Roxanna F.; and Weiman, Novia A., 4,843,573, Cl. 364-521.000.
  Taylor, Keith A., 4,800,294, Cl. 307-263.000.
  Theus, John G., 4,825,404, Cl. 364-900.000.
  Tilden, Mark D., 4,862,138, Cl. 340-146.200.
  Titterington, Donald R.; Anderson, Jeffrey J.; Rise, James D.; and Jaeger, Wayne, 4,889,761, Cl. 428-195.000.
  Traa, Einar O., 4,797,586, Cl. 307-603.000.
  Traa, Einar O., 4,866,314, Cl. 307-603.000.
  VanDomelen, Joseph D., 4,857,000, Cl. 439-64.000.
  Williams, David L., 4,862,353, Cl. 364-200.000.
  Wimmer, Guenther W., 4,885,554, Cl. 331-25.000.
  Woo, James, 4,804,926, Cl. 330-149.000.
  Wood, Brian J.; Compton, Peter M.; and Gianotti, Jerome P., 4,808,112, Cl. 439-66.000.
  Yamaguchi, Tadanori; Patton, Evan; Lane, Eric; and Yu, Simon, 4,876,214, Cl. 437-038.000.
  Yang, Kei-Wean C., 4,855,724, Cl. 340-703.000.
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  Nakamaki, Shin; and Sasahara, Yuzuru, 4,888,994, Cl. 73-760.000.
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  McCalley, Karl W.; Wilson, Steven D.; and Fischer, James L., 4,829,372, Cl. 358-86.000.
  McCalley, Karl W.; Bertram, John R.; Sloan, Walter W.; and McClure, Rory T., 4,860,123, Cl. 358-342.000.
Telamo, Erkki. Electric plate. 4,806,738, 2-21-89, Cl. 219-457.000.
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Telebit Corporation: *See—*
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  DiPersio, Richard D.; and Cobern, Martin E., 4,813,274, Cl. 73-151.000.
  Frey, James E.; and Stohrer-Hoyt, William, 4,852,052, Cl. 364-422.000.
  Grosso, Donald S.; Bryant, Thomas M.; and Gershonowitz, Mitchell S., 4,878,206, Cl. 367-83.000.
  Helm, Charles W.; and Koval, Vernon E., 4,877,092, Cl. 175-74.000.
  Maron, Robert, 4,821,563, Cl. 73-151.000.
  Park, Brian V., 4,833,927, Cl. 73-862.450.
  Spinnler, Ralph F., 4,857,175, Cl. 209-235.000.
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  Ryan, Donald J., 4,825,465, Cl. 379-399.000.
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  Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
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  Pirolli, Claude, 4,878,433, Cl. 102-384.000.
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  Balech, Jean-Pierre, 4,825,437, Cl. 370-104.000.
  Boisson, Jean-Yves, 4,860,314, Cl. 375-27.000.
  Boisson, Jean-Yves; and Bastien, Jean-Paul, 4,876,698, Cl. 375-25.000.
  Ferrieu, Gilbert M. M., 4,827,472, Cl. 370-32.100.
  Guidoux, Loic B. Y., 4,862,450, Cl. 370-32.100.

  Guidoux, Loic B. Y., 4,885,737, Cl. 370-32.100.
  Lassaux, Jean; and Stephan, Thierry, 4,829,566, Cl. 379-410.000.
  Le Goffic, Yves H. M.; and Tanguy, Rene, 4,827,474, Cl. 370-104.000.
  Luc, Mary; and Barazesh, Bahman, 4,845,660, Cl. 364-900.000.
  Masson, Jacques L. R.; and Picel, Zdenek, 4,799,179, Cl. 364-724.100.
  Masson, Jacques L. R., 4,852,166, Cl. 380-36.000.
Telect, Inc.: *See—*
  Warner, Robert J., 4,861,281, Cl. 439-540.000.
  Williams, Wayne E.; Williams, Bill B., Jr.; and Warner, Robert J., 4,815,104, Cl. 375-36.000.
Telectronics N.V.: *See—*
  Callaghan, Francis J.; and Vollmann, William, 4,878,497, Cl. 128-419.0PG.
  Callaghan, Frank J.; and Schroeppel, Edward A., 4,858,610, Cl. 128-419.0PG.
  Gilli, Norma L., 4,869,252, Cl. 128-419.0PG.
  Hansen, James C., 4,856,522, Cl. 128-419.0PG.
  Koning, Gerrit; and Schroeppel, Edward A., 4,827,933, Cl. 128-419.0PG.
  Maddison, David S.; Skalsky, Michael; Milijasevic, Zoran; Perry, Stephen G.; Holley, Loraine K.; Gotthardt, Gerhard R.; and Richardson, Garry T., 4,798,206, Cl. 128-419.00P.
  McAuslan, Brian R., 4,836,884, Cl. 156-629.000.
  Nakazawa, Akira; and Milijasevic, Zoran, 4,796,643, Cl. 128-785.000.
  Pohndorf, Peter J.; and Schroeppel, Edward A., 4,848,352, Cl. 128-642.000.
  Regna, Richard C., 4,796,630, Cl. 128-419.00D.
  Sasmor, Louis; and Smith, Edward D., 4,825,869, Cl. 128-419.0PT.
  Skalsky, Michael; Milijasevic, Zoran; Nakazawa, Akira; and Gotthardt, Gerhard, 4,844,099, Cl. 128-785.000.
  Vollmann, William; and Mumford, Van E., 4,875,483, Cl. 128-419.0PG.
  Whigham, Robert H.; and Nappholz, Tibor A., 4,821,724, Cl. 128-419.00P.
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  Macheboeuf, Guy, 4,845,565, Cl. 358-183.000.
  Pommier, Daniel; and Alard, Michel, 4,881,241, Cl. 375-38.000.
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  Nutt, Wallace H., 4,813,585, Cl. 224-324.000.
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  Berglund, Carl O., 4,821,241, Cl. 367-20.000.
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  Beu, Richard A., 4,836,779, Cl. 433-73.000.
Teledyne, Inc.: *See—*
  Prentice, Thomas C., 4,838,515, Cl. 248-661.000.
Teledyne Industries, Inc.: *See—*
  Casasent, David; and Lambert, James, 4,833,637, Cl. 364-822.000.
  Chevis, Robert W.; and Keetley, Reginald G., 4,854,126, Cl. 60-726.000.
  Dalbke, Gary R., 4,872,777, Cl. 401-199.000.
  Dixon, Herbert S.; Weller, Jonathan W.; Boyer, Ivon; and McKenney, Darryl J., 4,800,461, Cl. 361-398.000.
  Goode, William B., 4,860,993, Cl. 251-127.000.
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  Haglund, Richard A.; and Tupack, Robert E., 4,835,977, Cl. 62-89.000.
  Hickman, Clarence J., 4,824,368, Cl. 433-80.000.
  Kadis, Paul M., 4,815,718, Cl. 267-119.000.
  Kooi, J. Peter E.; and Myers, James W., Jr., 4,887,448, Cl. 72-344.000.
  Krnan, Palo, 4,875,546, Cl. 181-160.000.
  Leber, Leland C.; and Hunter, Charles L., 4,859,220, Cl. 55-350.000.
  Peterson, John M., 4,887,397, Cl. 52-86.000.
  Peterson, John R., 4,856,576, Cl. 164-495.000.
  Sargeant, Jack W.; Raleigh, William F.; and Giordani, Attilio G., 4,813,396, Cl. 126-391.000.
  .Wilkinson, Ronald; and Benway, Ralph, 4,815,282, Cl. 60-247.000.
  Wright, James R.; and Shiota, Philip, 4,826,779, Cl. 437-020.000.
  Wright, James R.; and Shiota, Philip, 4,835,111, Cl. 437-20.000.
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  Lee, Robert H.; and Levran, Alexander, 4,806,841, Cl. 322-29.000.
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  Sun, Horng-Jye, 4,890,077, Cl. 333-81.00A.
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  Andros, Andrew A.; and Campana, Thomas J., 4,849,750, Cl. 340-825.440.
  Andros, Andrew A.; and Campana, Thomas J., 4,851,830, Cl. 340-825.440.
  Andros, Andrew A.; and Campana, Thomas J., 4,853,688, Cl 340-825.440.
  Andros, Andrew A.; and Campana, Thomas J., 4,857,915, Cl. 340-825.440.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,866,431, Cl. 340-825.020.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,558, Cl. 340-825.020.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,562, Cl. 340-825.440.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,868,860, Cl. 379-57.000.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,870,410, Cl. 340-825.020.
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  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,876,538, Cl. 340-825.260.
  Andros, Andrew A.; Campana, Thomas J., Jr.; Thelen, Gary F.; and Kinast, Robert A., 4,878,051, Cl. 340-825.440.
  Andros, Andrew A.; and Campana, Thomas J., Jr., 4,881,073, Cl. 340-825.440.
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  Caggiani, Carlos A.; Coneys, Thomas A.; and Larson, Kenneth W., 4,842,592, Cl. 604-283.000.
  Fabiny, William J.; and Shabrach, Judith M., 4,806,161, Cl. 106-14.120.
  Spease, Arthur L., 4,811,621, Cl. 74-501.50R.
  Spease, Arthur L., 4,841,806, Cl. 74-501.50R.
  Spease, Arthur L., 4,860,609, Cl. 74-502.400.
  Spease, Arthur L., 4,872,367, Cl. 74-502.600.
  Wolf, Jeffrey, 4,872,365, Cl. 74-501.600.
  Yanusko, David P.; and Geiger, Robert, Jr., 4,881,447, Cl. 89-34.000.
  Yanusko, David P.; McMillan, Harold C.; and Kline, Edmund G., 4,882,971, Cl. 89-33.020.
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  Andersson, Ove B.; Berg, Johan; Granestrand, Per O.; and Vatsel, Armand, 4,887,309, Cl. 455-601.000.
  Bergman, Jan L., 4,847,806, Cl. 364-900.000.
  Djupsjobacka, Anders G., 4,798,429, Cl. 350-96.140.
  Djupsjobacka, Anders G., 4,842,367, Cl. 350-96.140.
  Djupsjobacka, Anders G., 4,850,667, Cl. 350-96.140.
  Eriksson, Hans O., 4,797,578, Cl. 307-303.000.
  Forsberg, Stefan G.; and Erkander, Ragnar S., 4,860,286, Cl. 370-106.000.
  Gustafsson, Sune M., 4,885,772, Cl. 379-390.000.
  Hasselskog, Karl J. O., 4,850,674, Cl. 350-253.000.
  Haulin, Tord L., 4,851,846, Cl. 341-172.000.
  Hedberg, Bo G., 4,890,301, Cl. 375-60.000.
  Johansson, Hans V., 4,853,959, Cl. 379-413.000.
  Jonsson, Stig R. E., 4,809,259, Cl. 370-58.000.
  Lennartsson, Back M. I., 4,868,890, Cl. 455-139.000.
  Lundh, Peter C. B., 4,821,263, Cl. 370-85.000.
  Olsson, Kurt G., 4,845,448, Cl. 333-254.000.
  Persson, Sven A. R., 4,795,232, Cl. 350-96.230.
  Persson, Sven A. R., 4,802,722, Cl. 350-96.100.
  Petersson, Peter M., 4,868,523, Cl. 331-14.000.
  Severinsson, Stefan A.; and Hasselskog, Karl J. O., 4,850,694, Cl. 356-153.000.
  Snith, Lars A.; and Berg, Bengt O., 4,856,057, Cl. 379-388.000.
  Soderstrom, Leif E., 4,843,345, Cl. 330-282.000.
  Sundell, Hans E.; Egeland, Terje; Johnson, Sten E.; and Friman, Erik B., 4,858,118, Cl. 364-243.400.
  Tjerlund, Per, 4,802,219, Cl. 380-39.000.
  Wiljanen, Bo I.; and Karlsson, Jan-Erik, 4,860,168, Cl. 361-428.000
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  Djupsjobacka, Anders G., 4,797,641, Cl. 332-7.510.
  Ossfeldt, Bengt E.; and Palmgren, Ulf E., 4,815,025, Cl. 364-900.000.
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  Arndt, Jurgen, 4,829,356, Cl. 357-35.000.
  Bohme, Rolf, 4,855,626, Cl. 307-491.000.
  Brostrom, Doris; and Ryman, Lennart, 4,879,586, Cl. 357-54.000.
  Flodl, Helmut, 4,877,460, Cl. 136-244.000.
  Leipert, Emil, 4,823,099, Cl. 334-15.000.
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  Rinderle, Heinz, 4,845,445, Cl. 330-306.000.
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  Vuong, The A., 4,841,465, Cl. 364-725.000.
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  Gale, P. Michael; McMillan, Myles; and Gagnon, Andre, 4,859,934, Cl. 324-78.00D.
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  Hann, J. David; Holdahl, Theodore S.; and Lum, James C. P., 4,799,153, Cl. 364-200.000.
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  Rogers, William P., 4,878,215, Cl. 370-58.100.
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  Kramer, Dieter; and Barkow, Helmut, 4,813,880, Cl. 439-65.000.
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  George, Edward K.; Jung, Roger E.; and Mills, Brian P., 4,818,054, Cl. 350-96.200.
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  Ditzig, Albert, 4,854,881, Cl. 439-26.000.
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  Davis, Donald E., 4,795,332, Cl. 425-60.000.
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  Robertson, John A., 4,806,741, Cl. 235-462.000.
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  Robertson, John A., 4,870,922, Cl. 118-702.000.
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  La Salle, Roger J.; and Riordan, Roger H. S., 4,862,491, Cl. 379-6.000.
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Telic Alcatel: *See—*
  Cardot, Gerard; and Dortu, Giovanni, 4,823,383, Cl. 379-412.000.
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  Campo, James A.; Sutherland, Jeffrey W.; and Krill, Carl E., III, 4,817,115, Cl. 375-22.000.
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  Spiegel, Alan M., 4,823,412, Cl. 4-483.000.
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  Richter, Donald L., 4,833,843, Cl. 52-81.000.
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  Antreasyan, Arsam; Garbinski, Paul A.; Mattera, Vincent D., Jr.; and Temkin, Henryk, 4,873,558, Cl. 357-23.200.
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- Temple University: *See—*
  - Speaker, Tully J.; Speaker, Tycho J.; and Collett, John H., 4,797,234, Cl. 264-4.100.
- Temple University of the Commonwealth System of Higher Education: *See—*
  - Buckley, Helen R.; Largen, Michael T.; and Strockbine, Nancy A., 4,806,465, Cl. 435-7.000.
  - Maurer, Alan H.; Knight, Linda C.; and Siegel, Jeffrey A., 4,867,963, Cl. 424-9.000.
  - Missfeldt, William A., 4,808,088, Cl. 417-395.000.
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  - Salomon, Robert E.; Crow, Jack E.; and Kaczanowicz, Edward, 4,866,030, Cl. 505-1.000.
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  - Bucher, Bradley A.; Jefferies, Jesse H.; and Templet, Harold P., 4,867,944, Cl. 422-15.000.
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  - Riding, Kim D.; Betz, James W.; and Templeton, James E. 4,866,219, Cl. 200-4.000.
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  - Cedergreen, Steven D., 4,846,089, Cl. 114-201.00R.
- Tempress Measurement & Control Corporation: *See—*
  - Cherry, Roger L.; Burke, Joseph J.; Platt, Christopher W.; and Cowles, Craig H., 4,832,753, Cl. 134-22.180.
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  - Jansky, Jaroslav; and Temmesfeld, Angelika, 4,881,655, Cl. 220-209.000.
- Tenag AG: *See—*
  - Hudson, John H., 4,869,834, Cl. 210-791.000.
- Tenba, Inc.: *See—*
  - Namgyal, Champa; and Weinreb, Robert, 4,805,776, Cl. 206-523.000.
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  - Racicot, Dale F.; Ten Broeck, Dirk P.; and Aviles, Robert C., 4,829,318, Cl. 346-1.100.
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  - Vaught, John L., 4,861,125, Cl. 350-6.600.
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  - Gibson, Royce G., 4,820,535, Cl. 426-272.000.
- Tendick, Clyde C.: *See—*
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  - Osborn, Paul V.; and Tendick, Clyde C., 4,819,928, Cl. 271-276.000.
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  - Chapman, Richard A.; and Teng, Clarence W., 4,842,675, Cl. 156-643.000.
- Teng, Hsieh-Yih. Rotatably-twisting display device. 4,852,283, 8-1-89, Cl. 40-426.000.
- Teng, James: *See—*
  - Clyne, Carl W.; Woolever, Gary L.; Teng, James; and Naji, Hooshang, 4,801,466, Cl. 426-232.000.
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- Tenge, Bradley J.: *See—*
  - Honigs, David E.; Perkins, Jonathan H.; and Tenge, Bradley J., 4,847,066, Cl. 424-7.100.
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  - Atterby, Fred; Voss-Schrader, Bertil; and Tenggvist, Lennart, 4,802,421, Cl. 108-51.100.
- Tengler, Harvey N.: *See—*
  - Hall, Garth O.; and Tengler, Harvey N., 4,880,201, Cl. 248-575.000.
- Tengler, John N.: *See—*
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- Tengler, Walter: *See—*
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  - Shimizu, Toshiyuki; Shimizu, Osamu; Tenmoku, Kenji; Mitoh, Kunihiko; and Honoki, Yasuhiro, 4,862,398, Cl. 364-571.050.
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  - Basham, Michael T.; Berdahl, Robert M.; and Field, Bruce F., 4,825,500, Cl. 15-319.000.
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  - May, Barry A.; and Armstrong, James, 4,881,288, Cl. 15-98.000.
  - Sitarski, Gerald P.; and May, Barry A., 4,805,258, Cl. 15-385.000.
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  - Choksi, Pradip V.; and Ten Napel, Jamie M., 4,820,274, Cl. 604-174.000.
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  - Lipsztajn, Marek, 4,802,959, Cl. 204-82.000.
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  - Hetherington, Theodore W., 4,846,302, Cl. 181-243.000.
- Tenneco Oil Company: *See—*
  - Keyworth, Donald A., 4,816,139, Cl. 208-190.000.
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  - Leslie, Ian M.; Burren, John W.; Pitura, Henry; Tennenhouse, David L.; and Adams, Christopher J., 4,805,167, Cl. 370-84.000.
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  - Hanson, Roger D.; and Hill, William E., 4,865,154, Cl. 181-282.000.
- Tennessee Plastics, Inc.: *See—*
  - Symington, Laurence I., 4,800,804, Cl. 98-40.060.
- Tennessee Valley Authority: *See—*
  - Elrod, Jimmie L., 4,885,021, Cl. 71-28.000.
  - Gu, Zheng-xing; and Hsieh, Shaung-shii, 4,804,462, Cl. 209-167.000.
  - Nunnelly, Luther M., 4,842,790, Cl. 264-117.000.
  - Schohl, Gerald A.; and Vigander, Svein, 4,858,460, Cl. 73-19.000.
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  - Gilker, Clyde; Dunk, Michael P.; Dolnik, Thomas G.; Daharsh, Ross S.; and Berezinski, Mark A., 4,847,780, Cl. 364-483.000.
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  - Leighton, Stephen B.; and Tenney, John A., 4,839,809, Cl. 364-413.020.
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- Tenney, Richard L.: *See—*
  - Bates, Alexander J.; Wells, John R.; Shapiro, Ronald A.; and Tenney, Richard L., 4,817,049, Cl. 364-900.000.
- Tennichi, Yasuhiro: *See—*
  - Iijima, Tadahiko; Kawai, Takumi; Tennichi, Yasuhiro; and Yanada, Sadao, 4,825,352, Cl. 364-140.000.
- Tennies, Charles J.: *See—*
  - Baran, Michael S.; Beihoff, Bruce C.; Damiano, Michael A.; Hansen, James E.; Hastings, Jerome K.; Slomczewski, Allen J.; and Tennies, Charles J., 4,857,837, Cl. 324-117.00R.
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- Tennis Tutor, Inc.: *See—*
  - Greene, William J., 4,834,060, Cl. 124-78.000.
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- Tenniswood, David M.: *See—*
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  - Taylor, Homer L.; and Katz, Peter, 4,836,626, Cl. 312-257.0SM.
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  - Kamayachi, Yuzo, 4,878,489, Cl. 128-36.000.
  - Susa, Michitaro; and Sato, Tadao, 4,825,868, Cl. 128-376.000.
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  - Roberts, George F.; and Walters, Philip H., 4,875,014, Cl. 324-326.000.
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  - Stevens, Albert F.; DeWitt, Robert R.; Lile, William R.; Mitchell, Paul; and Tentarelli, Stephen, 4,863,037, Cl. 209-3.100.
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  - Muel, Thomas; Tenud, Leander; Duc, Laurent; and McGarrity, John, 4,880,940, Cl. 548-544.000.
- Tenzer, Frederick D.: *See—*
  - Nowell, Gilbert S.; and Tenzer, Frederick D., 4,885,659, Cl. 361-212.000.
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  - Tepley, George L.; and Tepley, George T., 4,850,053, Cl. 2-161.00R.
- Teplyakov, Fedor K.: *See—*
  - Ivchenkov, Vadim P.; Kaluzhsky, Nikolai A.; Isidorov, Eduard A.; Sirotenko, Viktor G.; Shusterov, Viktor S.; Pakhomov, Gennady A.; Teplyakov, Fedor K.; and Khromovskikh, Oleg S., 4,808,375, Cl. 420-548.000.
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- Tepora Transportsysteme Entwicklungs-GmbH: *See—*
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  - Potocnjak, Tomislav, 4,842,150, Cl. 212-147.000.

Teppo, Edward: *See—*
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Terada, Akihiro: *See—*
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Terada, Atsusuke; Amemiya, Yoshiya; Matsuda, Keiichi; and Oshima, Takeshi, to Sankyo Company Limited. Thianaphthene derivatives. 4,847,272, 7-11-89, Cl. 514-337.000.
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Komatsu, Takashi; and Terada, Eiichi, 4,888,410, Cl. 528-198.000.
Terada, Haruhiko; and Kawagoe, Shigeyuki, to Aisin Seiki Kabushiki Kaisha. Side window for motor vehicle. 4,845,890, 7-11-89, Cl. 49-130.000.
Terada, Haruyoshi; Ono, Youji; Satoh, Yokichi; and Kaneko, Hideaki, to Nihon Parkerizing Co., Ltd. Cleaning chemical for aluminium surface. 4,857,225, 8-15-89, Cl. 252-100.000.
Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shima, Kenji; Komori, Shinji; Meichi, Mitsuo; Shimizu, Masahisa; Miyata, Souichi; and Asano, Hajime, to Mitsubishi Denki Kabushiki Kaisha; Sharp Corporation; Matsushita Electric Industrial Co., Ltd.; and Sanyo Electric Co., Ltd. Cascaded information processing module having operation unit, parallel port, and serial port for concurrent data transfer and data processing. 4,833,605, 5-23-89, Cl. 364-200.000.
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Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Miyata, Souichi; Asano, Hajime; Shimizu, Masahisa; Shima, Kenji; and Komori, Shinji, to Sharp Kabushiki Kaisha; Matsushita Electric Industrial Co., Ltd.; Sanyo Electric Co., Ltd.; and Mitsubishi Denki Kabushiki Kaisha. Information processor capable of data transfer among plural digital data processing units by using an active transmission line having locally controlled storage of data. 4,884,192, 11-28-89, Cl. 364-200.000.
Terada, Hiroaki: *See—*
Asano, Hajime; Terada, Hiroaki; Asada, Katsuhiko; Nishikawa, Hiroaki; Shimizu, Masahisa; Miura, Hiroki; Shima, Kenji; Komori, Shinji; Miyata, Souichi; and Matsumoto, Satoshi, 4,841,436, Cl. 364-200.000.
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Terada, Hiromu; Sakunaga, Kenichi; and Fukahori, Naoyuki, to Mitsubishi Rayon Company Ltd. Multifilament type plastic optical fiber and process for preparation thereof. 4,842,365, 6-27-89, Cl. 350-96.240.
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Terada, Hiromu; Fukahori, Naoyuki; and Sakunaga, Kenichi, to Mitsubishi Rayon Company, Ltd. Endoscope. 4,872,740, 10-10-89, Cl. 350-96.260.
Terada, Hiromu: *See—*
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Sugiyama, Jun; Suzuki, Akira; Terada, Kosei; and Oguri, Shigenori, 4,843,934, Cl. 84-1.030.
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Terada, Michimasa; and Nakajima, Hisashi, to Tokyo Electron Limited. Mechanism for turning over a test head of a wafer probing machine. 4,875,005, 10-17-89, Cl. 324-158.00F.
Terada, Naofumi: *See—*
Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
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Terada, Seisaku, to Terada Pump Mfg. Co., Ltd. Device for producing bubbling stream of water in bathtub. 4,853,124, 8-1-89, Cl. 210-242.200.
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Terada, Toshiyuki; Hirose, Mayumi; and Ishida, Kenji, to Kabushiki Kaisha Toshiba. Schottky gate field effect transistor and manufacturing method. 4,803,526, 2-7-89, Cl. 357-15.000.
Terada, Tsunehiko: *See—*
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Terada, Yasushi; Nakayama, Takeshi; and Kobayashi, Kazuo, to Mitsubishi Denki Kabushiki Kaisha. Nonvolatile semiconductor memory device using source of a single supply voltage. 4,858,194, 8-15-89, Cl. 365-203.000.
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DiPerna, Paul M., 4,884,024, Cl. 324-158.00F.
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Johnson, Lennart B.; Walkup, William B.; and Laychak, Steven F., 4,869,677, Cl. 439-80.000.
Johnson, Lennart B., 4,871,321, Cl. 439-79.000.
Kern, Walter P., 4,812,745, Cl. 324-158.00P.
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Terahara, Akira; and Tanaka, Minoru, to Sankyo Company Limited. M-4 and iso M-4 derivatives, their preparation and compositions containing them. 4,866,093, 9-12-89, Cl. 514-510.000.
Terahata, Masahiro, to Fuji Photo Film Co., Ltd. Method of changing the density of image on simple color proof using a randomly dotted half tone mask. 4,889,794, 12-26-89, Cl. 430-293.000.
Terai, Akio; Yoshino, Junichi; Satsumi, Shinroku; and Taniguchi, Mitsuru, to Kamatsu Zenoah, Co. Mowing machine. 4,881,363, 11-21-89, Cl. 56-255.000.
Terai, Haruhiko; and Watanabe, Yasutomo, to Canon Kabushiki Kaisha. Substrate for an ink jet recording head having electrodes formed on a glaze layer, and a recording head and apparatus using the substrate. 4,887,099, 12-12-89, Cl. 346-140.00R.
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Kato, Kaneyuki; Teraji, Kazufumi; Nishino, Seiichi; and Suzuki, Teruo, 4,843,226, Cl. 235-492.000.
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Yamanaka, Torao; Shoyama, Teruhisa; and Teraji, Nobuo, 4,807,259, Cl. 375-109.000.
Terajima, Hisao, to Canon Kabushiki Kaisha. Facsimile apparatus with device to determine line changes, and having a power conservation feature. 4,837,813, 6-6-89, Cl. 379-113.000.
Terakado, Tomoji: *See—*
Kasahara, Kensuke; Terakado, Tomoji; Inomoto, Yasumasa; Suzuki, Akira; and Itoh, Tomohiro, 4,829,346, Cl. 357-22.000.
Terakawa, Nobuyuki: *See—*
Machida, Hisashi; Iri, Tetsuo; and Terakawa, Nobuyuki, 4,862,862, Cl. 123-609.000.
Terakawa, Taiju: *See—*
Nakajima, Sadaaki; and Terakawa, Taiju, 4,875,844, Cl. 425-131.500.
Terakawa, Takashige; Takahashi, Mutsumi; and Akaba, Noriyuki, to Tokyo Keiki Co., Ltd. Slotted waveguide antenna assembly. 4,829,312, 5-9-89, Cl. 343-756.000.
Terakawa, Takashige; Takahashi, Mutsumi; and akaba, Noriyuki, to Tokyo Keiki Co., Ltd. Slotted waveguide antenna assembly. 4,841,308, 6-20-89, Cl. 343-771.000.
Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, to Tokyo Keiki Co., Ltd. High frequency push-pull transformer. 4,857,869, 8-15-89, Cl. 333-26.000.
Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayoshi, to Tokyo Keiki Co., Ltd. High-frequency power synthesizing apparatus. 4,868,520, 9-19-89, Cl. 330-295.000.
Terakawa, Takashige: *See—*
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,989, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,990, Cl. 128-804.000.
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Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,873,995, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,884,589, Cl. 128-804.000.
Terakura, Yukio: *See—*
Uno, Makoto; Ikemoto, Kazuhito; and Terakura, Yukio, 4,830,158, Cl. 192-53.00F.
Teramachi, Hiroshi. Rectilinear slide ball bearing. 4,832,508, 5-23-89, Cl. 384-45.000.
Teramachi, Hiroshi. Ball screw having an axially extending ball deflector. 4,841,796, 6-27-89, Cl. 74-459.000.
Teramachi, Hiroshi. Bearing for both linear and curvilinear motions. 4,844,624, 7-4-89, Cl. 384-45.000.
Teramachi, Hiroshi. Spherical bearing and production method thereof. 4,846,590, 7-11-89, Cl. 384-206.000.
Teramachi, Hiroshi. Angular contact linear slide bearing. 4,880,317, 11-14-89, Cl. 384-45.000.
Teramae, Tomohiro: *See—*
Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.
Teramoto, Masahiko: *See—*
Kawai, Kouji; Matsumoto, Eiichi; and Teramoto, Masahiko, 4,832,349, Cl. 277-12.000.
Teramoto, Ryuji: *See—*
Goto, Naohisa; Ito, Yoshiharu; Arimura, Kunitaka; Ando, Makoto; Shirai, Tatsuya; and Teramoto, Ryuji, 4,819,003, Cl. 343-771.000.
Teramoto, Shuji: *See—*
Tamada, Shigeharu; Fujioka, Takafumi; Ogawa, Hidenori; Teramoto, Shuji; and Kondo, Kazumi, 4,886,809, Cl. 514-312.000.
Teramoto, Takero; and Usami, Takashi, to Nippon Steel Corporation; and Nippon Steel Chemical Co., Ltd. Heat-resistant co-polyester from 9,9-bis(4-hydroxy-phenyl)fluorene. 4,810,771, 3-7-89, Cl. 528-298.000.
Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, to Nippon Steel Corporation; and Nippon Steel Chemical Co., Ltd. Soluble heat-resistant aromatic polyamide terminated with aromatic amido moieties. 4,833,214, 5-23-89, Cl. 525-420.000.
Teramoto, Takero; Harada, Kazuaki; and Inoue, Hiroharu, to Nippon Steel Corporation. Soluble copolyimide from 9,9-bis (4-amino phenyl) fluorene. 4,845,185, 7-4-89, Cl. 528-229.000.
Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, to NKK Corporation. Method for heat-treating steel rail head. 4,886,558, 12-12-89, Cl. 148-146.000.
Teranishi, Akihiko. Hand type electric massage machine. 4,846,158, 7-11-89, Cl. 128-36.000.
Teranishi, Akinori: *See—*
Okina, Toyohiko; Goto, Hiroshi; Kousaka, Fumio; Teranishi, Akinori; Kawabata, Satoshi; Ohyama, Tetsuo; Ohya, Makoto; and Kozaki, Norio, 4,871,612, Cl. 428-269.000.
Teranishi, Akio; Genji, Nobuo; and Itoh, Kohji, to Matsushita Electric Industrial Co., Ltd. Transmitting and receiving systems. 4,888,788, 12-19-89, Cl. 375-1.000.
Teranishi, Akio: *See—*
Tachita, Ryobun; Ikeda, Ken; and Teranishi, Akio, 4,800,577, Cl. 375-115.000.
Teranishi, Hiroshi: *See—*
Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsuro, 4,799,972, Cl. 148-14.000.
Sawaragi, Yoshiatsu; Yoshikawa, Kunihiko; and Teranishi, Hiroshi, 4,842,823, Cl. 420-584.000.
Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, to ASICS Corporation. Production process control system. 4,878,176, 10-31-89, Cl. 364-468.000.
Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, to Asics Corporation. Communication system. 4,882,580, 11-21-89, Cl. 340-825.510.
Teranishi, Mitsuo; Urushidani, Haruo; Toriya, Hajime; and Ebine, Shoji, to Hitachi, Ltd.; and Hitachi Power Engineering Co., Ltd. Warming structure of gas turbine rotor. 4,880,354, 11-14-89, Cl. 416-95.000.
Teranishi, Nobukazu: *See—*
Kohno, Akiyoshi; and Teranishi, Nobukazu, 4,845,548, Cl. 358-47.000.
Teranishi, Nobutoyo; Goshoo, Yasukuni; Ishigaki, Yoshio; Satoh, Hiroshi; and Morishita, Masao, to Arimitsu Industry Co., Ltd. Liquid ejection apparatus. 4,850,536, 7-25-89, Cl. 239-332.000.
Teranishi, Shunichi, to Aisin Seiki Kabushiki Kaisha. Disk file apparatus. 4,836,621, 6-6-89, Cl. 360-98.050.
Teranishi, Shunichi, to Aisin Seiki Kabushiki Kaisha. Disk file apparatus. 4,844,679, 7-4-89, Cl. 414-331.000.
Teranishi, Shunichi; and Hayashi, Takeshi, to Aisin Seiki Kabushiki Kaisha. Cartridge transfer mechanism for a disk file apparatus. 4,879,615, 11-7-89, Cl. 369-34.000.
Teranishi, Yutaka: *See—*
Nakanishi, Shigetada; Teranishi, Yutaka; Nagahari, Kenji; Shibiu, Tatsurou; and Takamatsu, Ken, 4,851,349, Cl. 435-252.330.
Terano, Hiroshi: *See—*
Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
Terano, Minoru; Murai, Atsushi; Inoue, Masuo; and Miyoshi, Katsuyoshi, to Toho Titanium Co., Ltd. Solid catalyst component for the polymerization of olefins and an olefin polymerization catalyst. 4,816,433, 3-28-89, Cl. 502-127.000.
Terano, Minoru; Soga, Hirokazu; and Kimura, Kohei, to Toho Titanium Co., Ltd. Catalyst for polymerization of olefins. 4,829,037, 5-9-89, Cl. 502-112.000.
Terano, Minoru: *See—*
Murai, Atsushi; Terano, Minoru; Kimura, Kohei; and Inoue, Masuo, 4,839,321, Cl. 502-127.000.
Murai, Atsushi; Terano, Minoru; Kimura, Kohei; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,847,227, Cl. 502-127.000.
Terano, Takashi; Jinno, Masayuki; and Saijo, Munetoshi, to Mazda Motor Corporation. Liquid-crystal indicator control system. 4,857,889, 8-15-89, Cl. 340-461.000.
Terao, Kazuo: *See—*
Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, 4,803,565, Cl. 358-300.000.
Terao, Motoyasu; Nishida, Tetsuya; Miyauchi, Yasushi; and Horigome, Shinkichi, to Hitachi, Ltd. Information-recording thin film and method for recording and reproducing information. 4,866,672, 9-12-89, Cl. 365-151.000.
Terao, Motoyasu: *See—*
Ikeda, Tadashi; Shigematsu, Kazuo; Miyauchi, Yasushi; Terao, Motoyasu; Nishida, Tetsuya; Horigome, Shinkichi; Ohta, Norio; and Suzuki, Ryo, 4,817,053, Cl. 365-113.000.

Nishida, Tetsuya; Terao, Motoyasu; Miyauchi, Yasushi; Horigome, Shinkichi; Shigematsu, Kazuo; Ohta, Norio; Kaku, Toshimitsu; and Ojima, Masahiro, 4,806,952, Cl. 346-108.000.

Tomioka, Yasushi; Imazeki, Shuji; Terao, Motoyasu; Ojima, Masahiro; and Taniguchi, Yoshio, 4,855,951, Cl. 365-119.000.

Terao, Shinji; Okazaki, Hisayoshi; and Imada, Isuke, to Takeda Chemical Industries, Ltd. Benzoquinone derivatives. 4,808,339, 2-28-89, Cl. 260-396.00R.

Terao, Shinji; Azuma, Mitsuyoshi; and Watanabe, Noriko, to Takeda Chemical Industries, Ltd. Pharmaceutical composition for treatment of cataract. 4,826,872, 5-2-89, Cl. 514-474.000.

Terao, Shinji; and Nishikawa, Kohei, to Takeda Chemical Industries, Ltd. Certain benzoquinones, naphthoquinones, corresponding hydroquinones which exhibit thromboxane A_2 synthetase inhibition or receptor antagonism and the like. 4,851,413, 7-25-89, Cl. 514-277.000.

Terao, Shinji; and Maki, Yoshitaka, to Takeda Chemical Industries, Ltd. Coumaran derivatives and their pharmaceutical use. 4,857,516, 8-15-89, Cl. 514-100.000.

Terao, Shinji; Okazaki, Hisayoshi; and Imada, Isuke, to Takeda Chemical Industries, Ltd. Benzoquinone derivatives and production thereof. 4,874,752, 10-17-89, Cl. 536-55.200.

Terao, Shinji: *See*—

Imada, Isuke; Terao, Shinji; Kawada, Mitsuru; and Shiraishi, Mitsuru, 4,818,441, Cl. 260-396.00R.

Terao, Yasunobu: *See*—

Nishikawa, Hisashi; Endo, Mitsuharu; Shimosato, Masashi; and Terao, Yasunobu, 4,868,585, Cl. 346-140.00R.

Teraoka, Akira; and Shikiya, Hajime, to Kubota, Ltd. Propelling transmission system of tractor. 4,856,611, 8-15-89, Cl. 180-233.000.

Teraoka, Eiichi, to Mitsubishi Denki Kabushiki Kaisha. Synchronous static random access memory having precharge system and operating method thereof. 4,856,106, 8-8-89, Cl. 365-203.000.

Teraoka, Hidetoshi: *See*—

Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.

Teraoka, Masanori, to Fuji Photo Film Co., Ltd. Radiation image storage panel. 4,851,690, 7-25-89, Cl. 250-484.100.

Teraoka, Masao; Ishikawa, Osamu; and Yuhashi, Yukio, to Tochigifujisangyo Kabushiki Kaisha. Differential gear assembly with viscous and friction clutch mechanisms. 4,838,119, 6-13-89, Cl. 74-711.000.

Teraoka, Masao, to Tochigifujisangyo Kabushiki Kaisha. Power transmission unit. 4,886,152, 12-12-89, Cl. 192-58.00B.

Teraoka, Masao: *See*—

Hagiwara, Makoto; and Teraoka, Masao, 4,805,486, Cl. 74-710.500.

Teraoka, Osamu: *See*—

Harada, Zenji; Teraoka, Osamu; and Mikado, Tsuneo, 4,802,019, Cl. 358-335.000.

Teraoka Seiko Co., Ltd.: *See*—

Denda, Toshio, 4,862,670, Cl. 53-131.000.

Denda, Toshio, 4,884,209, Cl. 364-468.000.

Kajimoto, Hironobu, 4,872,119, Cl. 364-464.030.

Teraoka, Tatsuo: *See*—

Kajioka, Hiroshi; Yamada, Koudo; Takuma, Yuuetsu; and Teraoka, Tatsuo, 4,859,223, Cl. 65-3.120.

Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Package structure for semiconductor device. 4,839,713, 6-13-89, Cl. 357-70.000.

Teraoka, Yutaka: *See*—

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,806,965, Cl. 355-1.000.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, 4,884,095, Cl. 355-1.000.

Terasaka, Katsunori: *See*—

Sanbuichi, Hiroshi; Terasaka, Katsunori; and Nakagawa, Toyoaki, 4,870,937, Cl. 123-488.000.

Terasaka, Teiji: *See*—

Ise, Masahiro; Tanaka, Hidehiko; Machino, Katsuyuki; Matsubara, Toshiyuki; and Terasaka, Teiji, 4,888,586, Cl. 340-825.050.

Terasaka, Yoshiyasu; and Tanabe, Masao, to Chugai Ro Co, Ltd. Device for automatically controlling coating amount for use in coating machine. 4,852,515, 8-1-89, Cl. 118-663.000.

Terasaki, Akashi: *See*—

Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.

Terasaki Denki Sangyo Kabushiki Kaisha: *See*—

Suwa, Takeshi; and Kuroda, Takafumi, 4,853,819, Cl. 361-47.000.

Terasaki, Masahiro. Tar removing cigarette holder. 4,841,995, 6-27-89, Cl. 131-212.100.

Terasaki, Paul I.; Loon, Jimmy; Hardiwidjaja, Steven; and El-Awar, Nadim, to University of California, The Regents of the. Method and composition for isolating white cell elements. 4,797,475, 1-10-89, Cl. 530-387.000.

Terasaki, Ryuichi; Sato, Shinsei; Ogata, Yoichi; Nozawa, Kazumi; and Nakajima, Yukihiko, to Denki Kagaku Kogyo Kabushiki Kaisha. Glassy carbon-coated article. 4,816,338, 3-28-89, Cl. 428-408.000.

Terasaki, Yoshikazu: *See*—

Kawabata, Akira; Terasaki, Yoshikazu; Inoue, Takashi; and Takita, Hidenori, 4,876,479, Cl. 313-440.000.

Terasawa, Akio: *See*—

Okamoto, Takashi; Terasawa, Akio; and Ishizaki, Takashi, 4,811,281, Cl. 364-900.000.

Terasawa, Koji: *See*—

Kiyohara, Takehiko; and Terasawa, Koji, 4,819,012, Cl. 346-140.00R.

Terasawa, Masaaki: *See*—

Sato, Nobuyuki; Ujiie, Kazuaki; Terasawa, Masaaki; and Nabetani, Shinji, 4,881,201, Cl. 365-189.090.

Terasawa, Masami: *See*—

Fujinaka, Hiroshi; and Terasawa, Masami, 4,806,334, Cl. 428-631.000.

Terasawa, Michio: *See*—

Oe, Takanori; Kawasaki, Kazuyuki; Terasawa, Michio; and Imayoshi, Tomonori, 4,808,593, Cl. 514-291.000.

Oe, Takanori; Kawasaki, Kazuyuji; Terasawa, Michio; Imayoshi, Tomonori; and Yasunaga, Yukihiro, 4,808,620, Cl. 514-303.000.

Terasawa, Michiyuki, to Kabushiki Kaisha Toshiba. Display control apparatus for use in composite document processing apparatus. 4,823,303, 4-18-89, Cl. 364-521.000.

Terasawa, Mutsumi: *See*—

Yamaguchi, Yoshinobu; Terasawa, Mutsumi; and Sasagase, Mitsuo, 4,813,385, Cl. 123-2.000.

Terasawa, Takeshi: *See*—

Miyasaka, Akihiro; Haga, Hiroyo; and Terasawa, Takeshi, 4,842,816, Cl. 420-84.000.

Terasawa, Tsuneo: *See*—

Moriyama, Shigeo; Kurosaki, Toshiei; Terasawa, Tsuneo; Okazaki, Shinji; and Kawamura, Yoshio, 4,798,470, Cl. 356-401.000.

Terashima, Hideyuki; and Tsuchiya, Yasuhiko, to Nissin Kogyo Kabushiki Kaisha. Lever system for vehicles. 4,840,082, 6-20-89, Cl. 74-523.000.

Terashima, Hiroshi: *See*—

Nakai, Hisao; Terashima, Hiroshi; and Arai, Yoshinobu, 4,863,961, Cl. 514-563.000.

Tanouchi, Tadao; Kawamura, Masanori; Ajima, Akio; Mohri, Tetsuya; Hayashi, Masaki; Terashima, Hiroshi; Hirata, Fumio; and Morimura, Takeshi, 4,831,045, Cl. 514-369.000.

Terashima, Jun: *See*—

Eguchi, Masaharu; Fujiwara, Yutaka; Yamanouchi, Haruhiko; and Terashima, Jun, 4,804,331, Cl. 439-162.000.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, to Chisso Corporation. Ferroelectric liquid crystal composition. 4,826,621, 5-2-89, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Takeshita, Fusayuki; Kikuchi, Makoto; and Furukawa, Kenji, to Chisso Corporation. Smectic liquid crystal mixture. 4,882,083, 11-21-89, Cl. 252-299.610.

Terashima, Kanetsugu; Ichihashi, Mitsuyoshi; Kikuchi, Makoto; Takeshita, Fusayuki; and Furukawa, Kenji, to Chisso Corporation. Ferroelectric liquid crystal composition. 4,882,086, 11-21-89, Cl. 252-299.610.

Terashima, Kanetsugu: *See*—

Inoue, Hiromichi; Saito, Shinichi; Miyazawa, Kazutoshi; Inukai, Takashi; and Terashima, Kanetsugu, 4,834,907, Cl. 252-299.650.

Inukai, Takashi; Furukawa, Kenji; Terashima, Kanetsugu; and Saito, Shinichi, 4,820,444, Cl. 252-299.650.

Miyazawa, Kazutoshi; Saito, Shinichi; Inoue, Hiromichi; Inukai, Takashi; and Terashima, Kanetsugu, 4,816,181, Cl. 252-299.650.

Terashima, Kaoru; Miyazako, Takushi; and Katsuyama, Harumi, to Fuji Photo Film Co., Ltd. Integral multilayer analytical element for measurement of alkaline phosphatase activity. 4,839,278, 6-13-89, Cl. 435-21.000.

Terashima, Kaoru: *See*—

Tanaka, Mitsutoshi; Arai, Fuminori; Terashima, Kaoru; and Yaginuma, Nakatsugu, 4,871,679, Cl. 436-79.000.

Terashima, Kazutaka; Watanabe, Masayuki; and Kasami, Akinobu, to Kabushiki Kaisha Toshiba. Method of synthesizing Group III element-phosphorus compound. 4,816,240, 3-28-89, Cl. 423-299.000.

Terashima, Kiichi: *See*—

Yamada, Seiji; Kono, Katsuaki; and Terashima, Kiichi, 4,811,296, Cl. 364-567.000.

Terashima, Masaaki, to Fuji Photo Film Co., Ltd. Reference solution for measuring ionic activity. 4,865,698, 9-12-89, Cl. 204-1.00T.

Terashima, Masaaki: *See*—

Seshimoto, Osamu; Terashima, Masaaki; and Saito, Yoshio, 4,842,712, Cl. 204-416.000.

Terashima, Shigeo: *See*—

Nomura, Masaru; Deguchi, Toshihisa; and Terashima, Shigeo, 4,849,953, Cl. 369-46.000.

Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.

Terashima, Shiro: *See*—

Asano, Yasuhisa; Nakazawa, Akiko; Terashima, Shiro; Kondo, Kiyosi; Endo, Kaori; Hirai, Kenji; and Numao, Nagaoni, 4,849,345, Cl. 435-106.000.

Terashima, Tomonari, to NGK Insulators, Ltd. Process for cooling fired products in a kiln. 4,834,646, 5-30-89, Cl. 432-4.000.

Terashima, Tsuneo: *See*—

Kan, Tatsuhiko; Kobayashi, Yoichi; Sonoike, Yoshiko; Terashima, Tsuneo; and Mutai, Masahiko, 4,859,488, Cl. 426-658.000.

Terashima, Yoshiaki: *See*—

Ichihara, Katsutarou; Yasuda, Nobuaki; Terashima, Yoshiaki; and Shimanuki, Senji, 4,832,980, Cl. 427-38.000.

Terashita, Takaaki; and Iijima, Hideaki, to Fuji Photo Film Co., Ltd. Photographic printing method. 4,797,713, 1-10-89, Cl. 355-77.000.

Terashita, Takaaki, to Fuji Photo Film Co., Ltd. Method for setting and managing conditions in photographic printing. 4,809,198, 2-28-89, Cl. 364-525.000.

Terashita, Takaaki; Shigaki, Takao; and Yukawa, Keiko, to Fuji Photo Film Co., Ltd. Exposure determining device for color image reproduction. 4,816,874, 3-28-89, Cl. 355-38.000.

Terashita, Takaaki, to Fuji Photo Film Co., Ltd. Method of classifying color originals and apparatus thereof. 4,830,501, 5-16-89, Cl. 356-402.000.

Terashita, Takaaki, to Fuji Photo Film Co., Ltd. Method of setting color copying conditions. 4,860,059, 8-22-89, Cl. 355-38.000.

Terashita, Takaaki, to Fuji Photo Film Co., Ltd. Controlling method for a photographic system. 4,884,102, 11-28-89, Cl. 355-77.000.

Terashita, Takaaki: *See*—

Hayashi, Ryoichi; Sakamoto, Kiichiro; and Terashita, Takaaki, 4,797,712, Cl. 355-38.000.

Matsumoto, Fumio; Terashita, Takaaki; and Sakamoto, Kiichiro, 4,827,109, Cl. 235-375.000.

Terasima, Zirou, to Fuji Electric Co., Ltd. High current Darlington amplifier. 4,866,401, 9-12-89, Cl. 330-310.000.

Teratani, Tatsuo, to Toyota Jidosha Kabushiki Kaisha. Electronic circuit assembly. 4,833,570, 5-23-89, Cl. 361-403.000.

Teratani, Tatsuo: *See*—

Tada, Tetsuya; Nagasaka, Masumi; Tabuchi, Hiroaki; and Teratani, Tatsuo, 4,803,637, Cl. 364-426.040.

Tada, Tetsuya; Nagasaka, Masumi; and Teratani, Tatsuo, 4,814,991, Cl. 364-426.040.

Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.

Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.

Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.

Teratoute Oy: *See*—

Tuomaala, Jorma A. K., 4,885,968, Cl. 83-843.000.

Terauchi, Kenichi; and Okamoto, Takeo, to Dainippon Screen Mfg. Co., Ltd. Controlled furnace heat treatment. 4,820,907, 4-11-89, Cl. 219-494.000.

Terauchi, Kenji: *See*—

Murakami, Takuya; Kato, Yoichiro; and Terauchi, Kenji, 4,883,287, Cl. 280-665.000.

Terauchi, Kiyoshi, to Sanden Corporation. Slant plate type compressor with variable displacement mechanism. 4,842,488, 6-27-89, Cl. 417-222.000.

Terauchi, Kiyoshi, to Sanden Corporation. Wobble plate type compressor with variable displacement mechanism. 4,846,049, 7-11-89, Cl. 92-12.200.

Terauchi, Kiyoshi; and Hiraga, Masaharu, to Sanden Corporation. Variable displacement compressor with biased inclined member. 4,880,360, 11-14-89, Cl. 417-222.000.

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Terauchi, Kiyoshi: *See*—

Higuchi, Teruo; Terauchi, Kiyoshi; Takai, Kazuhiko; Kikuchi, Sei; and Kobayashi, Hideto, 4,875,834, Cl. 417-269.000.

Hiraga, Masaharu; and Terauchi, Kiyoshi, 4,824,346, Cl. 418-55.000.

Kikuchi, Sei; Terauchi, Kiyoshi; Takai, Kazuhiko; and Higuchi, Teruo, 4,865,523, Cl. 417-222.000.

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Shimizu, Shigemi; Shimizu, Hidehiko; and Terauchi, Kiyoshi, 4,869,651, Cl. 417-269.000.

Takahashi, Hareo; Terauchi, Kiyoshi; Hatakeyama, Hideharu; and Kumagai, Shuzo, 4,869,154, Cl. 92-71.000.

Terauchi, Masakazu; and Suzuki, Gentarou, to Meiji Seika Kaisha, Ltd. Process for the processing of cacao beans. 4,871,562, 10-3-89, Cl. 426 330.300.

Terauchi, Ryugo; and Fukushima, Kyoshi, to Nippon Medical Supply Corporation. Urinary appliance. 4,820,291, 4-11-89, Cl. 604-349.000.

Terauchi, Toshiro: *See*—

Nakagami, Taro; Fukami, Takeshi; and Terauchi, Toshiro, 4,876,719, Cl. 361-1.000.

Terava, Jorma: *See*—

Erametsa, Henrik; Kuvaja, Kari; Maki-Kihnia, Kalevi; and Terava, Jorma, 4,842,336, Cl. 299-8.000.

Terayama, Hideo; and Inoue, Jun, to Senju Pharmaceutical Co., Ltd. 1-hydroxy-oxo-5H-pyrido(3,2-a)phenoxazine-3-carboxylic acid ester. 4,820,837, 4-11-89, Cl. 544-99.000.

Terayama, Hideo: *See*—

Yamamoto, Yujiro; Terayama, Hideo; and Morita, Yasushi, 4,822,823, Cl. 514-690.000.

Terayama, Masaya: *See*—

Nagao, Tadasu; Terayama, Masaya; and Inoue, Kazuhiko, 4,825,497, Cl. 15-97.00R.

Terayama, Satoshi: *See*—

Sekine, Noboru; Aoki, Takashi; and Terayama, Satoshi, 4,872,540, Cl. 192-0.076.

Terayama, Takao; and Yokota, Hajime, to Hitachi, Ltd. Guide mechanism for optimizing the position of a tape take-out device in a magnetic tape loading and unloading apparatus. 4,866,549, 9-12-89, Cl. 360-85.000.

Terayama, Takao: *See*—

Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, 4,864,108, Cl. 235-379.000.

Terayama, Tatsuya: *See*—

Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.

Terayama, Toshiki: *See*—

Ueda, Yasuhiro; Nagai, Isao; Shinkai, Naruto; Nakazawa, Masaaki; and Terayama, Toshiki, 4,805,618, Cl. 128-346.000.

Terayama, Tsunehisa; Moriguchi, Seki; and Kubota, Toshifumi, to Hitachi Koki Company, Ltd. Automatic nailing apparatus with improved percussion rod and nosepiece. 4,832,245, 5-23-89, Cl. 227-130.000.

Terazawa, Tadashi, to Aisin Seiki Kabushiki Kaisha. Device for controlling a throttle valve. 4,829,959, 5-16-89, Cl. 123-349.000.

Terazono, Takashi: *See*—

Iida, Yoshimitsu; Terazono, Takashi; and Sumida, Shuji, 4,803,213, Cl. 514-355.000.

Terazono, Takeshi: *See*—

Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, Cl. 118-52.000.

Terbot, John F.; and Hill, Richard F., to Union Carbide Corporation. Method for producing liquid alkoxides of mixed metals. 4,835,298, 5-30-89, Cl. 556-173.000.

Terbrack, Ulrich: *See*—

Siol, Werner; and Terbrack, Ulrich, 4,849,479, Cl. 525-216.000.

Siol, Werner; Heil, Ernst; Wenzel, Franz; Arndt, Peter J.; and Terbrack, Ulrich, 4,877,853, Cl. 526-329.700.

Siol, Werner; and Terbrack, Ulrich, 4,889,894, Cl. 525-227.000.

Ter Burg, Antonius W. M.: *See*—

van Calker, Freerk R.; Kopmels, Pieter J. M.; and Ter Burg, Antonius W. M., 4,877,126, Cl. 198-847.000.

Terec USA: *See*—

Jensen, Mark E., 4,813,874, Cl. 433-219.000.

Terence, Melvin; and LaRosa, Alfred I., to Spalding & Evenflo Companies, Inc. Golf ball core composition including dialkyl tin difatty acid. 4,844,471, 7-4-89, Cl. 273-220.000.

Terenghi, Tiziano: *See*—

Strepparola, Ezio; Terenghi, Tiziano; Monza, Enrico; and Felippone, Fabio, 4,818,619, Cl. 428-421.000.

Teresa Donoghue: *See*—

Donoghue, Teresa; and Vilches, Jose I., 4,852,898, Cl. 280-216.000.

Teresi, Gaspare. Traction mat. 4,840,309, 6-20-89, Cl. 238-14.000.

Terex Corporation: *See*—

Parrett, John T.; Fairbairn, James P.; and Jaworski, Walter, 4,860,539, Cl. 60-426.000.

ter Horst, Gerhardus E. R., to OCE-Nederland B.V. Apparatus for collecting sheets of different lengths. 4,804,174, 2-14-89, Cl. 271-207.000.

Terhune, Ralph D.; and Murphy, James D., to Facet Enterprises, Inc. Filter assembly with lockable lug means. 4,871,455, 10-3-89, Cl. 210-232.000.

Ter Kuile, Willem M.: *See*—

Van Veen, Jacobus J. F.; Konig, Johan W.; Ter Kuile, Willem M.; and Van Dijk, Cornelis, 4,889,427, Cl. 356-445.000.

Terlecke, Mark J.; and Reback, John S., to Graber Industries, Inc. Bendable drapery rod assembly. 4,833,756, 5-30-89, Cl. 16-87.200.

Terlecky, Boris S., to Trailer Teain Company. Stand alone well car with double axle suspension system. 4,817,535, 4-4-89, Cl. 105-158.200.

Terlecky, Boris S.; and Seiberg, Ronald P., to Trailer Train Company; and Amsted Industries, Inc. Railroad car coupler arrangement limiting excess lateral movement of the coupler shank. 4,848,611, 7-18-89, Cl. 213-64.000.

Terlouw, Teunis: *See*—

Salter, James A.; McCusker, James J.; Arbore, Charles M.; Dirkse, Hendricus A.; Everts, Rudi; Eckstein, Gunter; Scott, Andrew M.; and Terlouw, Teunis, 4,869,622, Cl. 406-119.000.

Term-Tronics, Incorporated: *See*—

O'Neil, James P.; and Powell, Ken R., 4,812,629, Cl. 235-383.000.

Termanis, Peter, to Adhesive Paper Products Limited. Article for forming a protective cover. 4,863,191, 9-5-89, Cl. 281-29.000.

Termiflex Corporation: *See*—

Fletcher, William E.; Ault, Charles M.; and Sawyer, Dennis O., 4,823,952, Cl. 206-328.000.

Termine, Enrico J.; Faystritsky, Nicolai A.; and Borden, Dennis M., to Great Lakes Chemical Corporation. Flame retardant ABS resin composition. 4,880,862, 11-14-89, Cl. 524-373.000.

Termine, Enrico J.: *See*—

Favstritsky, Nicolai A.; Termine, Enrico J.; and Borden, Dennis M., 4,829,118, Cl. 524-412.000.

Terminiello, Louis: *See*—

Aronowitz, Jack L.; and Terminiello, Louis, 4,877,580, Cl. 422-58.000.

Ternansky, Robert J., to Eli Lilly and Company. 1,2,4-trisubstituted diazolidinones. 4,795,815, 1-3-89, Cl. 548-112.000.

Terneu, Robert: *See*—

Thomas, Jean-Francois; Terneu, Robert; Van Cauter, Albert; and Van Laethem, Robert, 4,878,934, Cl. 65-60.520.

Thomas, Jean-Francois; Terneu, Robert; Van Cauter, Albert; and Van Laethem, Robert, 4,880,698, Cl. 428-333.000.

Terni, Patrizia: *See*—
  Fravolini, Arnaldo; Terni, Patrizia; and Pagella, Piergiuseppe, 4,868,299, Cl. 44-32.000.
Terny, Philippe; and Nedelec, Michel, to Novatome. Support device for a discharge tank associated with a suspended pump of a nuclear reactor. 4,828,788, 5-9-89, Cl. 376-285.000.
Teroson GmbH: *See*—
  Delbeck, Jean-Willem; and Schleicher, Anton M., 4,865,672, Cl. 156-109.000.
  Grimm, Stefan; Schatzle, Michael; and Stahr, Fritz, 4,797,463, Cl. 528-60.000.
  Kohler, Winfried R.; Wagner, Herbert; and Fischer, Wolfgang, 4,863,650, Cl. 264-39.000.
  Lucke, Heinz, 4,795,760, Cl. 521-83.000.
  Lucke, Heinz, 4,871,792, Cl. 524-59.000.
Terpa Poultry B.V.: *See*—
  de Greef, Willem M., 4,856,144, Cl. 17-24.000.
Terpolilli, Anthony J.: *See*—
  Lievense, Jefferson C.; Sawyer, Joanna D.; and Terpolilli, Anthony J., 4,840,898, Cl. 435-87.000.
Terpstra, Daniel A.; and Plume, Steven H., to Emerson Electric Co. Angularly adjustable band saw. 4,882,962, 11-28-89, Cl. 83-812.000.
Terpstra, Larry J.; and Babel, William R., to Allied-Signal Inc. Electronic torquer interface and erection control circuit. 4,888,540, 12-19-89, Cl. 318-689.000.
Terra AG fur Tiefbautechnik: *See*—
  Jenne, Gustav; and Jenne, Dietmar, 4,821,813, Cl. 173-135.000.
Terra Marine Engineering, Inc.: *See*—
  McDavid, William T.; and Bryce, William W., 4,868,795, Cl. 367-77.000.
  Russell, William F.; McDavid, William T.; and Baker, Robert A., 4,864,546, Cl. 367-41.000.
Terrado, Angel R., to Goodyear Tire & Rubber Company, The. Expandable tire building drum. 4,855,008, 8-8-89, Cl. 156-401.000.
Terragnoli, Louis, to A. J. Panneri Enterprises, Inc. Method and apparatus for holding a plurality of objects in a tape-wrapped bundle. 4,852,329, 8-1-89, Cl. 53-399.000.
Terral, Ben D. Retrieval device for a well control tool. 4,813,730, 3-21-89, Cl. 294-86.250.
Terran Research, Inc.: *See*—
  McLaren, Eugene H.; Putman, George W.; and Young, James R., 4,869,621, Cl. 405-263.000.
Terrasse, Joseph J.; Boucher, Andre; and Seux, Michel, to Chavanne - Ketin. Hoops for continuous casting rolls. 4,802,528, 2-7-89, Cl. 164-428.000.
Terrasse, Joseph J.; Seux, Michel; and Leveque, Robert, to Chavanne - Ketin. Forged cold-rolling roll. 4,823,451, 4-25-89, Cl. 29-129.500.
Terrell, B. Joe; and Terrell, Steven J. Apparatus for controlling irrigation water pH for golf courses. 4,867,192, 9-19-89, Cl. 137-93.000.
Terrell, Charles T.: *See*—
  Nobles, Anthony A.; Nobles, Verne H.; Fleming, Jon H.; Terrell, Charles T.; and Lai, Alexander K., 4,820,167, Cl. 434-336.000.
Terrell, David R.: *See*—
  Lammers, Marinus J.; Blasse, George; Terrell, David R.; and Alaerts, Leo B., 4,822,696, Cl. 428-690.000.
Terrell, Donna P.: *See*—
  Terrell, Jamie B.; Terrell, Donna P.; and Parks, Setella, 4,889,187, Cl. 166-298.000.
Terrell, Donna Pratt: *See*—
  Terrell, Jamie B.; Terrell, Donna P.; and Parks, Setella, 4,889,187, Cl. 166-298.000.
Terrell, Jamie B.; Terrell, Donna P.; and Parks, Setella, to Terrell, Jamie Bryant; and Terrell, Donna Pratt. Multi-run chemical cutter and method. 4,889,187, 12-26-89, Cl. 166-298.000.
Terrell, Jamie Bryant: *See*—
  Terrell, Jamie B.; Terrell, Donna P.; and Parks, Setella, 4,889,187, Cl. 166-298.000.
Terrell, Ross C.: *See*—
  Gala, Kanti J.; and Terrell, Ross C., 4,863,918, Cl. 514-213.000.
Terrell, Sanford V.: *See*—
  Gabuzda, Paul G.; and Terrell, Sanford V., 4,851,965, Cl. 361-383.000.
Terrell, Steven J.: *See*—
  Terrell, B. Joe; and Terrell, Steven J., 4,867,192, Cl. 137-93.000.
Terrenzio, Gabriel M., to Acrowood Corporation. Impeller for an impact crusher. 4,796,822, 1-10-89, Cl. 241-275.000.
Terreur, Frederic, to Centre De Recherches Metallurgiques Centrum Voor Research in De Metallurgie. Device for modulating a laser beam. 4,885,751, 12-5-89, Cl. 372-26.000.
Terreur, Frederic: *See*—
  Bragard, Adolphe; Halleux, Jacques; Terreur, Frederic; and Defourny, Jacques, 4,806,731, Cl. 219-121.690.
Terrill, Edward R.; and Callander, Douglas D., to Goodyear Tire & Rubber Company, The. Copolyester which is particularly suitable for use in making tire cord. 4,824,928, 4-25-89, Cl. 528-190.000.
Terrill, Frank E. Passive daylighting system. 4,820,020, 4-11-89, Cl. 350-259.000.
Terrill, Robert E.: *See*—
  Kottman, Rickie A.; Terrill, Robert E.; and Wise, Ann E., 4,838,289, Cl. 134-153.000.
Terrill, Rufus O. Sight mounting platform for colt M-16/AR-15 rifle. 4,876,815, 10-31-89, Cl. 42-100.000.
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  Escallon, Eduardo C., 4,795,339, Cl. 427-32.000.
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  Engelfried, Werner; and Muller, Gerhard, 4,862,709, Cl. 66-104.000.
  Muller, Gerhard; and Engelfried, Werner, 4,838,048, Cl. 66-220.000.
Terry, Brian K.; Hall, Steven D.; and McDermott, Robert J., to Motorola, Inc. Battery charger. 4,888,544, 12-19-89, Cl. 320-37.000.
Terry, Byron R.; and Niederer, Kurt, to Kimberly-Clark Corporation. Separator. 4,810,270, 3-7-89, Cl. 55-294.000.
Terry, Byron R.; and Hamilton, Frank G., to Kimberly-Clark Corporation. Method and system for processing wastepaper. 4,867,383, 9-19-89, Cl. 241-24.000.
Terry, Charles J.; and Frank, Jack D., to Kennametal Inc. Macrocrystalline tungsten monocarbide powder and process for producing. 4,834,963, 5-30-89, Cl. 423-440.000.
Terry, Clifford M. Visual acuity testing system. 4,861,156, 8-29-89, Cl. 351-243.000.
Terry, Dennis C.; Filho, Waldemiro M.; and Turechek, John J., to Newport Corporation. Method of manufacturing clean-room compatible honeycomb tables. 4,853,065, 8-1-89, Cl. 156-292.000.
Terry, John: *See*—
  Allen, David J.; Martin, Joseph; Rose, Peter E.; and Terry, John, 4,811,778, Cl. 164-516.000.
Terry, Malcolm J.: *See*—
  Bransden, Antony S.; Megaw, John H. P. C.; Terry, Malcolm J.; and Ward, Brooke A., 4,874,919, Cl. 219-121.680.
Terry, Paul E. Safety flow control fluid shutoff device. 4,880,03, 11-14-89, Cl. 137-460.000.
Terry, Peter L.: *See*—
  Kaufman, Arthur; and Terry, Peter L., 4,826,716, Cl. 428-139.000.
Terry, Robert L.; and Sallis, Daniel V., to Synergetic Industries, Inc. Water powered rotating shower brush. 4,841,590, 6-27-89, Cl. 15-28.000.
Terry, Thomas E.: *See*—
  Graham, S. Neal; and Terry, Thomas E., 4,884,678, Cl. 198-392.000.
Tersalvi, Antonio: *See*—
  Ferraris, Giampiero; and Tersalvi, Antonio, 4,812,388, Cl. 430-314.000.
Tershak, Andrew T., to Whirlpool Corporation. Fault tolerant control for a refrigerator. 4,821,528, 4-18-89, Cl. 62-228.100.
Tershak, Andrew T.; Fellwock, Charles G.; and Thieneman, Michael D., to Whirlpool Corporation. Apparatus for controlling a refrigerator in low ambient temperature conditions. 4,834,169, 5-30-89, Cl. 165-30.000.
Tersiev, Kostadin G.; and Kamenov, Mitko V., to Stiemge. Hydropneumatic harpoon. 4,854,067, 8-8-89, Cl. 43-6.000.
Terskov, Alexei D.; Plavskikh, Vladimir D.; Kostylev, Alexandr D.; Nazarov, Nikolai G.; Chepurnoi, Nikolai P.; Cherednikov, Evgeni N.; and Karavaev, Andron T. Reversible percussion device. 4,819,741, 4-11-89, Cl. 173-91.000.
Ter Stege, Thieme, to Airspray International B.V. Pressurized spray dispenser having valved mixing chamber. 4,850,517, 7-25-89, Cl. 222-402.180.
Terui, Hiroshi: *See*—
  Araki, Kunihiko; Kobayashi, Mikio; Terui, Hiroshi; and Nishida, Tohru, 4,835,558, Cl. 354-156.000.
Terui, Nobuhiko; Kusaka, Yosuke; Shiokama, Yoshiharu; and Sasagaki, Nobuaki, to Nikon Corporation. Lens interchange type single-lens reflex camera system and intermediate barrel therefor. 4,881,094, 11-14-89, Cl. 354-286.000.
Terui, Toshiyasu, to Yamaha Hatsudoki Kabushiki Kaisha. Control system for controlling actuator to control operation of internal combustion engine. 4,827,718, 5-9-89, Cl. 60-312.000.
Terui, Toshiyasu, to Yamaha Hatsudoki Kabushiki Kaisha. Control system for controlling DC control motor which controls operation condition of internal combustion engine. 4,838,022, 6-13-89, Cl. 60-312.000.
Terui, Yasuaki, to Matsushita Electric Industrial Company, Ltd. Charge transfer device having a buried transfer channel with higher and lower concentrations. 4,888,633, 12-19-89, Cl. 357-24.000.
Terumo Corporation: *See*—
  Fujii, Tadashi; and Yagami, Hiroyuki, 4,795,935, Cl. 310-336.000.
  Kobayashi, Susumu; and Satoh, Kazumasa, 4,840,620, Cl. 604-246.000.
  Oyama, Noboru; Shimomura, Takeshi; and Yamaguchi, Shuichiro, 4,816,118, Cl. 204-418.000.
  Suzuki, Kazuhiko; and Yoshioka, Hiroshi, 4,861,521, Cl. 260-403.000.
  Takai, Makoto; Itoh, Norie; Hattori, Shin; Hasegawa, Hiroki; and Wakabayashi, Toshio, 4,816,486, Cl. 514-620.000.
  Tanabe, Susumu; Sekii, Shigekazu; Tsuchida, Kouji; and Ishiro, Yoshio, 4,841,981, Cl. 128-692.000.
  Yamaguchi, Keiji, 4,840,181, Cl. 128-680.000.
  Yamaguchi, Keiji, 4,867,171, Cl. 128-680.000.
  Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,871,442, Cl. 204-418.000.
Terumo Kabushiki Kaisha: *See*—
  Aoyagi, Juuro; Yamamoto, Yuichi; Akaike, Toshihiro; and Nozaki, Yasuhiro, 4,836,928, Cl. 210-635.000.
  Endo, Kiyoshi, 4,851,964, Cl. 361-397.000.
  Hattori, Shin; Takai, Makoto; Omori, Kazuhiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,795,752, Cl. 514-327.000.
  Hayashi, Shigeru; and Yamada, Kaneo, 4,851,345, Cl. 435-215.000.
  Horiuchi, Kunio, 4,832,585, Cl. 417-477.000.
  Isono, Keinosuke, 4,820,288, Cl. 604-280.000.
  Kousai, Tadashi; Moriuchi, Yousuke; and Ishida, Toshinobu, 4,830,805, Cl. 264-209.800.
  Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, 4,874,374, Cl. 604-164.000.
  Kousai, Tadashi; Ishida, Toshinobu; and Moriuchi, Yousuke, 4,883,468, Cl. 604-164.000.
  Masuoka, Toshio; Hirasa, Okihiko; Suda, Yoshio; Onishi, Makoto; and Seita, Yukio, 4,845,132, Cl. 521-53.000.
  Minagawa, Yoshinori, 4,846,795, Cl. 604-410.000.
  Muramoto, Yutaka, 4,843,577, Cl. 364-557.000.
  Okamoto, Takeshi; Iwata, Mitsuo; and Takahashi, Hiroaki, 4,880,629, Cl. 424-678.000.
  Sagae, Kyuta; Takemura, Naoto; Sugiyama, Yoshiaki; and Tanabe, Susumu, 4,832,688, Cl. 604-53.000.
  Takai, Makoto; Omori, Kazuhiro; Kumonaka, Takahiro; Ozawa, Shinji; and Wakabayashi, Toshio, 4,859,673, Cl. 514-255.000.
  Takao, Shoji; Nakashima, Hiroshi; Tokumoto, Mako; Saitoh, Makoto; and Watanabe, Makoto, 4,855,159, Cl. 426-656.000.
  Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, 4,882,180, Cl. 426-46.000.
  Takemura, Naoto; and Tanabe, Susumu, 4,876,126, Cl. 428-35.700.
  Tanabe, Susumu; and Nudeshima, Masahiro, 4,838,879, Cl. 604-280.000.
  Tanabe, Susumu; and Suzuki, Tatsuo, 4,842,590, Cl. 604-282.000.
  Ushizawa, Norihiko; and Shimomura, Takeshi, 4,861,454, Cl. 204-414.000.
  Yamaguchi, Shuichiro; Ushizawa, Norihiko; and Shimomura, Takeshi, 4,798,664, Cl. 204-418.000.
  Yamaguchi, Shuichiro; Daikuhara, Norio; and Shimomura, Takeshi, 4,839,020, Cl. 204-431.000.
Terumo Kabushiki Kaisha Trading as Terumo Corporation: *See*—
  Suzuki, Kazuhiko; and Takahara, Kazuaki, 4,824,569, Cl. 210-500.230.
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  Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teruuchi, Osamu; and Kurashima, Hideo, 4,883,937, Cl. 219-121.640.
Teruyama, Hideo; and Yano, Masaru, to Kayaba Industry Co. Ltd. Gear pump. 4,859,161, 8-22-89, Cl. 418-102.000.
Terwilliger, Donald N.; and Knox, Richard C., to Hardinge Brothers, Inc. Two piece collet with interlocking collet segments. 4,858,938, 8-22-89, Cl. 279-57.000.
Terwonne, Rolf-Walter: *See*—
  Sturm, Harald; Terwonne, Rolf-Walter; and Thunig, Dieter, 4,798,869, Cl. 525-305.000.
Terza, Thomas J. Baseball batting trainer. 4,846,472, 7-11-89, Cl. 273-26.00E.
Terzian, John, to Raytheon Company. Swap scan testing of digital logic. 4,831,623, 5-16-89, Cl. 371-15.000.
Terzian, John, to Raytheon Company. Library image optimization. 4,887,304, 12-12-89, Cl. 382-30.000.
Terzian, Rouben T.; Breslow, Jeffrey D.; Rosenwinkel, Donald A.; and Zaruba, John V., to Marvin Glass & Associates. Electronic game with animated host. 4,799,678, 1-24-89, Cl. 273-1.00E.
Terzian, Rouben T.; and Wozniak, Walter J., to Marvin Glass & Associates. Doll with rotating and bendable arms. 4,802,[illegible]6, 2-7-89, Cl. 446-300.000.
Terzian, Rouben T., to Marvin Glass & Associates. Selectively rocking or walking doll. 4,878,874, 11-7-89, Cl. 446-355.000.
Terzian, Rouben T., to Breslow, Morrison, Terzian & Associates, Inc. Poseable soft doll. 4,884,991, 12-5-89, Cl. 446-369.000.
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Tesa S.A.: *See*—
  Camani, Alexandre, 4,859,817, Cl. 200-61.410.
Tesch, Charles V. Patient positioning apparatus. 4,887,325, 12-19-89, Cl. 5-446.000.
Tesch, Gunter, to Tesch, Gunter. Spherical fiber aggregate. 4,814,229, 3-21-89, Cl. 428-402.000.
Tesch, Gunter, to Tesch, Gunter. Filling material for cushions and covers. 4,820,574, 4-11-89, Cl. 428-234.000.
Tesch, Gunter H. Protective hood for the growing of cultivated plants. 4,815,236, 3-28-89, Cl. 47-29.000.
Tesch, Klaus. Welding device for a cylindrical tube. 4,804,813, 2-14-89, Cl. 219-60.00A.
Tesch, Klaus. Apparatus for centering and clamping pipe workpieces to be welded to one another. 4,867,368, 9-19-89, Cl. 228-49.300.
Tesch, Michael A. Fish hook positioner and release. 4,823,503, 4-25-89, Cl. 43-42.040.
Teschendorf, Hans-Juergen: *See*—
  Himmele, Walter; Steiner, Gerd; Teschendorf, Hans-Juergen; and Weifenbach, Harald, 4,824,862, Cl. 514-429.000.
  Kropp, Rudolf; Thyes, Marco; Schlocker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
  Steiner, Gerd; Pfister, Juergen; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,866,057, Cl. 514-215.000.
  Steiner, Gerd; Himmele, Walter; Buschmann, Ernst; Teschendorf, Hans-Juergen; and Weifenbach, Harald, 4,877,807, Cl. 514-411.000.
  Steiner, Gerd; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,885,278, Cl. 514-215.000.
Tescor, Inc.: *See*—
  Buchanan, William W., 4,815,766, Cl. 281-26.000.
Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, to Fuji Xerox Co., Ltd.; and Futaba Corporation. Optical write head. 4,803,565, 2-7-89, Cl. 358-300.000.
Teshima, Daisuke: *See*—
  Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,797,759, Cl. 360-92.000.
  Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,807,058, Cl. 360-60.000.
  Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,809,098, Cl. 360-92.000.
  Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,843,492, Cl. 360-74.100.
  Koizumi, Satoru; Teshima, Daisuke; and Katayama, Yoshio, 4,879,613, Cl. 360-92.000.
Teshima, Nobue: *See*—
  Kato, Yasuyoshi; Konishi, Kunihiko; Matsuda, Toshiaki; Ito, Meiji; Kamiguchi, Taiji; Teshima, Nobue; and Akama, Hiroshi, 4,798,813, Cl. 502-60.000.
Teshima, Shinichi; Katsuta, Shigeki; Maeda, Kazuhiko; Yamauchi, Taku; and Koishi, Toshio, to Asahi Kasei Kogyo Kabushiki Kaisha; and Central Glass Company Limited. Cladding material for plastic optical fiber and plastic optical fiber using the same. 4,842,369, 6-27-89, Cl. 350-96.340.
Teshima, Shinichi, to Asahi Kasei Kogyo Kabushiki Kaisha. Plastic optical fiber less attenuating light and process for producing the same. 4,889,408, 12-26-89, Cl. 350-96.340.
Teshima, Toru; Ariga, Kazuo; and Yoshida, Mitsunari, to Stanley Electric Co., Ltd. Planar heater for liquid crystal element. 4,829,154, 5-9-89, Cl. 219-209.000.
Teshima, Toshio; Kitagawa, Tooru; Suzuki, Mikio; Masaoka, Toshio; Mori, Takashi; and Okimoto, Kazutaka, to NKK Corporation. Immersion nozzle for continuous casting of steel. 4,852,633, 8-1-89, Cl. 164-437.000.
Teshirogi, Toshiyuki, to Alps Electric Co., Ltd. Liquid crystal display element having a Cr_2O_3 thin film for preventing dazzlement. 4,883,343, 11-28-89, Cl. 350-338.000.
Tesic, Mike M.: *See*—
  Sones, Richard A.; and Tesic, Mike M., 4,817,123, Cl. 378-98.000.
  Sones, Richard A.; Lauro, Karen L.; Barnes, Gary T.; and Tesic, Mike M., 4,837,686, Cl. 364-413.190.
  Sones, Richard A.; Tesic, Mike M.; and Vidmar, James F., 4,885,761, Cl. 378-197.000.
Teske, Judy L.; Borchers, Brian D.; Daane, Don A.; Baxter, Daniel J.; and Ehrich, William G., to Control Data Corporation. Clock monitor for use with VLSI chips. 4,860,288, 8-22-89, Cl. 371-1.000.
Teske, Lothar. Trough-type chain conveyor for bulk material. 4,807,740, 2-28-89, Cl. 198-305.000.
Teskey, John F., to RCA Licensing Corporation. TV receiver with automatic RF/baseband signal. 4,821,122, 4-11-89, Cl. 358-181.000.
TESLA, koncernovy podnik: *See*—
  Slavata, Bohumil, 4,879,573, Cl. 355-125.000.
Tesler, Joel: *See*—
  Lin, Chyuan-Shiun; Tesler, Joel; and Hwang, Ching-Fa, 4,807,118, Cl. 364-200.000.
Tesney, Bobby, to Winston Furniture Company Inc. Apparatus and method for attaching a table leg to a table top. 4,823,709, 4-25-89, Cl. 108-157.000.
Tesone, Jeffrey M., to Adams Rite Manufacturing Co. Lock hold-back latch with anti-pick device. 4,848,118, 7-18-89, Cl. 70-419.000.
Tesoro, Giuliana C.; and Sastri, Vinod R., to Polytechnic University. Epoxy resins having reversible crosslinks. 4,882,399, 11-21-89, Cl. 525-523.000.
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  Puschel, Petr; Formanek, Zdenek; Krivanek, Vaclav; Pokorny, Antonin; Vlasakova, Anna; and Stuchikova, Alena, 4,879,246, Cl. 436-145.000.
Tessel, Mordechai, to Hadass Firing Range Systems Limited. Hit-scoring shooting target. 4,828,269, 5-9-89, Cl. 273-373.000.
Tessera-Chiesa, Emilio, to Sales S.p.A. Sealed packet with an adhesive strip for opening and reclosing. 4,874,096, 10-17-89, Cl. 206-621.000.
Tessier, Jean; Demoute, Jean-Pierre; and Taliani, Laurent, to Uclaf, Roussel. Novel pyrrole derivatives. 4,798,901, 1-17-89, Cl. 548-562.000.
Tessier, Jean; Girault, Pierre; Herve, Jean-Jacques; and Van Assche, Charles-Jacques, to Roussel Uclaf. Hydroxylamine derivative of 5-nitro-8-hydroxy quinoline. 4,801,717, 1-31-89, Cl. 546-177.000.
Tessier, Jean; and Girault, Pierre, to Roussel Uclaf. Herbicidal method of using 5-pyrazolones. 4,808,210, 2-28-89, Cl. 71-92.000.
Tessier, Jean; and Demoute, Jean-Pierre, to Roussel Uclaf. Novel derivatives. 4,837,341, 6-6-89, Cl. 549-283.000.
Tessier, Jean; Demassey, Jacques; and Demoute, Jean-Pierre, to Roussel Uclaf. Indoles and pesticidal use thereof. 4,849,443, 7-18-89, Cl. 514-419.000.
Tessier, Jean; DeMoute, Jean-Pierre; and Cadiergue, Joseph, to Uclaf, Roussel. Novel cyclopropane carboxylates. 4,849,449, 7-18-89, Cl. 514-521.000.
Tessier, Jean; and Demoute, Jean-Pierre, to Roussel Uclaf. Novel derivatives. 4,868,317, 9-19-89, Cl. 549-302.000.
Tessier, Jean; Demoute, Jean-Pierre; and Cadiergue, Joseph, to Roussel UCLAF. Certain oximino-cyclopropane carboxylates having insecticidal activity. 4,879,302, 11-7-89, Cl. 514-351.000.

- Tessier, Jean: *See—*
  - Martel, Jacques; Tessier, Jean; and Demoute, Jean-Pierre, 4,801,723, Cl. 549-313.000.
  - Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,808,749, Cl. 558-434.000.
  - Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,833,163, Cl. 514-531.000.
  - Martel, Jacques; Tessier, Jean; and Teche, Andre, 4,883,806, Cl. 514-417.000.
- Tessier, Marie C.; and Gaillard, Georges, to Micro-Controle. Linear guiding system incorporating rolling members and adjusting device for such a system. 4,831,888, 5-23-89, Cl. 73-862.540.
- Tessier, Paul A.: *See—*
  - Simons, Tad D.; Stawitcke, Frederick A.; Reed, William M.; and Tessier, Paul A., 4,857,048, Cl. 604-50.000.
- Tessler, Edward. Gasketless valve, and methods of constructing and utilizing same. 4,867,413, 9-19-89, Cl. 251-304.000.
- Tessler, Martin M.; Billmers, Robert L.; and Tsai, John J., to National Starch and Chemical Corporation. Acetals useful for the preparation of polysaccharide derivatives. 4,804,769, 2-14-89, Cl. 549-374.000.
- Tessler, Martin M.: *See—*
  - Billmers, Robert L.; Del Giudice, David M.; Tessler, Martin M.; and Hasuly, Michael J., 4,839,449, Cl. 526-238.200.
  - Tsai, John J.; and Tessler, Martin M., 4,831,128, Cl. 536-111.000.
- Test, Howard R.: *See—*
  - Bednarz, George A.; Smith, Reginald W.; Roeding, Gretchen W.; and Test, Howard R., 4,874,722, Cl. 437-209.000.
- Testa, Joseph E.: *See—*
  - Chow, Ho; and Testa, Joseph E., 4,826,085, Cl. 239-318.000.
- Testa, Michele. Pharmaceutical compounds effective against several disorders of the eye in particular the cataract and composition containing them. 4,797 422, 1-10-89, Cl. 514-912.000.
- Testa, Raymond T.: *See—*
  - Kirby, Jane P.; Borders, Donald B.; Lee, May D.; Maiese, William M.; Testa, Raymond T.; and Labeda, David P., 4,870,019, Cl. 435-252.100.
- Testa, Sandro, to Campagnolo S.p.A. Rear derailleur for bicycle gears. 4,838,837, 6-13-89, Cl. 474-80.000.
- Testa, Sandro, to Campagnolo S.p.A. Rear derailer for bicycle gears. 4,840,605, 6-20-89, Cl. 474-80.000.
- Tester, Colin A.: *See—*
  - Pilley, Terence J., deceased; Pilling, Fred R.; and Tester, Colin A., 4,818,571, Cl. 427-286.000.
- Testi, Termano; and Merli, Gabriele, to GTE Telecommunicazioni S.p.A. Phase shifter-equalizer circuit. 4,887,043, 12-12-89, Cl. 328-155.000.
- Testin, William J.: *See—*
  - Tults, Juri; Testin, William J.; and Rumreich, Mark F., 4,868,892, Cl. 455-182.000.
- Testing Machines Inc.: *See—*
  - Bachelder, Walter F.; Frankel, Maurice; and Fiore, Peter, 4,802,366, Cl. 73-799.000.
- Testone, Anthony Q., to Testone Enterprises, Inc. Ionized gas energy cell. 4,850,188, 7-25-89, Cl. 60-202.000.
- Testone Enterprises, Inc.: *See—*
  - Testone, Anthony Q., 4,850,188, Cl. 60-202.000.
- Tetaka, Kenju, to Japan Tobacco Inc. Apparatus for adjusting gaps between a plurality of members disposed in a line and tobacco thresher adopting the same. 4,805,643, 2-21-89, Cl. 131-311.000.
- Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, to Sharp Kabushiki Kaisha; and Nihon Dennetsu Co., Ltd. Hermetic packaging apparatus. 4,860,523, 8-29-89, Cl. 53-512.000.
- Tetelman, Bruce; Milios, Yannis; Park, Il-Pyung; and Recht, Tom, to Counter Computer Corporation. Point-of-sale terminal for laundry or dry cleaning establishments. 4,859,839, 8-22-89, Cl. 235-385.000.
- Tetenborg, Konrad; Eschmann, Heinz; and Huwelmann, Helmut, to Windmoller & Holscher. Apparatus for filling and closing sacks which are open at one end. 4,873,815, 10-17-89, Cl. 53-570.000.
- Tetenyi, Peter: *See—*
  - Harsanyi, Kalmen; Maderspach, Andrea; Javor, Andres; Hajos, Gyorgy; Fekete, Gyorgy; Szporny, Laszlo; Tetenyi, Peter; Csomor, Katalin; Karpati, Egon; Hegedus, Bela; Kapolnas nee Pap, Marta; Szollosy, Marta; and Kallay nee Sohonyai, Anna, 4,814,329, Cl. 514-211.000.
- Teter, Michael P.: *See—*
  - Alpha, James W.; Schermerhorn, Paul M.; and Teter, Michael P., 4,816,299, Cl. 427-221.000.
- Tethuo, Oonishi: *See—*
  - Toshiyuki, Nakaie; and Tethuo, Oonishi, 4,812,755, Cl. 324-158.00F.
- Teti, George J.: *See—*
  - Stiver, C. Edward; Teti, George J.; Pearson, Charles S.; and Brown, Kenneth R., 4,862,725, Cl. 72-402.000.
- Tetior, Alexandr N.: *See—*
  - Golovko, Viktor A.; Valts, Semen P.; Lekhno, Alexandr M.; Tetior, Alexandr N.; and Barykin, Boris J., 4,796,398, Cl. 52-169.200.
- Tetley Inc.: *See—*
  - Bardsley, Robert F.; and Corrigan, Eugene E., 4,804,550, Cl. 426-397.000.
- Tetley, William C.; Cummings, Bruce A.; and Westcott, Daniel R., to RAD-X-Ltd. Radon progeny detector for measuring attached and unattached fractions. 4,847,503, 7-11-89, Cl. 250-435.000.
- Tetlie, Per J.; Brudal, Hans N.; and Meisingset, Alf E., to Getech A/S. Piezoelectric hydrophone. 4,841,192, 6-20-89, Cl. 310-337.000.
- Tetra Dev-Co: *See—*
  - Benedetti, Paolo; Mazzetto, Maurizio; and Cazzarolli, Gianmanrizio, 4,851,194, Cl. 422-28.000.
  - Bordini, Giorgio, 4,838,325, Cl. 141-90.000.
- Tetra Dev-Co.: *See—*
  - Ringdahl, Ulf; and Mattei, Vittorio, 4,874,021, Cl. 141-85.000.
- Tetra Pak Developement S.A.: *See—*
  - Reil, Wilhelm, 4,834,823, Cl. 156-217.000.
- Tetra Pak Developpement SA: *See—*
  - Hoj, Peter P., 4,863,670, Cl. 264-562.000.
- Tetra Pak Developpement S.A.: *See—*
  - Reil, Wilhelm, 4,818,459, Cl. 264-295.000.
  - Reil, Wilhelm, 4,848,601, Cl. 222-528.000.
- Tetra Pak Finance & Trading S.A.: *See—*
  - Andersson, Per M., 4,828,138, Cl. 220-272.000.
  - Drevfors, Gunnar; Corniea, Donald G.; and Paulson, Norman J., 4,840,205, Cl. 141-2.000.
  - Pausing, Hans, 4,844,327, Cl. 229-5.500.
  - Rausing, Hans, 4,887,765, Cl. 229-123.200.
  - Reil, Wilhelm, 4,796,802, Cl. 229-108.000.
  - Reil, Wilhelm, 4,804,134, Cl. 229-52.00A.
- Tetra Pak Inc.: *See—*
  - Stevens, Robert F., 4,853,246, Cl. 426-580.000.
- Tetra Pak International: *See—*
  - Sundberg, Anders, 4,818,313, Cl. 156-64.000.
- Tetra Pak International AB: *See—*
  - Carlsson, Lars; Martensson, Kjell; and Melle, Hans-Georg, 4,819,839, Cl. 222-541.000.
  - Derving, Jackie, 4,877,160, Cl. 222-494.000.
  - Holmstrom, Gert; and Mellbin, Paul, 4,820,892, Cl. 219-10.491.
  - Jacobsson, Kenth; and Lagerstedt, Jan, 4,815,655, Cl. 229-123.200.
  - Jonsson, Bengt; Persson, Sten; and Wiggins, David, 4,828,539, Cl. 493-395.000.
- Tetra Pak International Aktiebolag: *See—*
  - Yamamoto, Kaoru, 4,844,313, Cl. 226-83.000.
- Tetra Resources, Inc.: *See—*
  - Mishra, Surendra K., 4,851,123, Cl. 210-609.000.
- Tetrad Marketing/Sales Ltd.: *See—*
  - Kuzyk, Andrew, 4,886,326, Cl. 312-257.100.
- Tetrault, Edward J.; and Land, Larry D. Ventilated sole shoe construction. 4,835,883, 6-6-89, Cl. 36-3.00R.
- TetraWerke Dr.rer.nat. U. Baensch GmbH: *See—*
  - Bock, Eberhard, 4,874,707, Cl. 435-253.600.
- Tetreault, Albert G. Lead arm strap for baseball hitters. 4,875,677, 10-24-89, Cl. 273-26.00C.
- Tetreault, Andre . Valve box. 4,874,105, 10-17-89, Cl. 220-4.00C.
- Tetreault, Joseph E., to High Voltage Engineering Corporation. Electrical connector handle. 4,795,366, 1-3-89, Cl. 439-476.000.
- Tetrick, Raymond S.: *See—*
  - Farrell, Robert L.; Sarabi, Alireza; and Tetrick, Raymond S., 4,807,109, Cl. 364-200.000.
- Tetron, Inc.: *See—*
  - Koffron, Robert J., 4,871,148, Cl. 266-230.000.
  - Wooding, Michael J.; Cardema, Rudolfo S.; and Ramiller, Charles L., 4,886,412, Cl. 414-416.000.
- Tetsuishi, Yosninori: *See—*
  - Takahara, Takeshi; Oikawa, Mitsuhiro; Tetsuishi, Yoshinori; Higuchi, Kazuaki; and Tamatani, Masaaki, 4,804,882, Cl. 313-468.000.
- Tetsuo, Tsuchida: *See—*
  - Yoshinori, Yamanoi; and Tetsuo, Tsuchida, 4,834,221, Cl. 188-181.00A.
- Tetsutani, Nobuji: *See—*
  - Ochi, Hiroshi; Tetsutani, Nobuji; Yamamoto, Tetsuji; and Nobuta Hiroshi, 4,805,135, Cl. 364-900.000.
- Tettex AG: *See—*
  - Zoltan, Istvan, 4,857,827, Cl. 324-55.000.
- Tettman, Barton J., to Allied-Signal Inc. Dual function air filter. 4,861,359, 8-29-89, Cl. 55-419.000.
- Tetzlaff, Karl-Heinz; Schmid, Dieter; and Russow, Jurgen, to Hoechst Aktiengesellschaft. Process for electrically separating the electrolyte bearing mains from the electrolyte spaces of an electrochemical cell pile. 4,824,534, 4-25-89, Cl. 204-128.000.
- Tetzlaff, Wolfgang: *See—*
  - Braunlich, Peter F.; and Tetzlaff, Wolfgang, 4,825,084, Cl. 250-484.100.
  - Braunlich, Peter F.; and Tetzlaff, Wolfgang, 4,839,518, Cl. 250-337.000.
- Teuco Guzzini S.r.l.: *See—*
  - Guzzini, Virgilio, 4,797,958, Cl. 4-542.000.
- Teuerstein, Avraham: *See—*
  - Georlette, Pierre; Goren, Hanoch; Shmilowitz, Shaul; and Teuerstein, Avraham, 4,849,134, Cl. 252-601.000.
- Teufel, Eberhard: *See—*
  - Imbery, Dieter; and Teufel, Eberhard, 4,809,717, Cl. 131-332.000.
- Teuling, Dirk J.; and Hulshof, Jozef J. M., to U. S. Philips Corporation. Line synchronizing circuit in a picture display device. 4,872,055, 10-3-89, Cl. 358-148.000.
- Teuling, Dirk J. A., to U.S. Philips Corporation. Picture display device including a line synchronizing circuit and a line deflection circuit. 4,871,951, 10-3-89, Cl. 315-408.000.
- Teulon, Jean-Marie: *See—*
  - Bru-Magniez, Nicole; Teulon, Jean-Marie; and Launay, Michele, 4,886,805, Cl. 514-253.000.

- Teumac, Fred N.; Ricciardi, Michael A.; Murph, Ronald L.; and Howard, Gregory W., to Reeves Brothers, Inc. Rapid cure of polyurethane foam with ammonium containing materials. 4,818,775, 4-4-89, Cl. 521-107.000.
- Teunissen, Antonius J. J. M.; Klop, Willem; and Delahaye, Hubertus J. A. V., to Stamicarbon B.V. Process for preparing a 2-alkyl-1,4,5,6-tetrahydropyrimidine. 4,880,929, 11-14-89, Cl. 544-242.000.
- Teurlings, Luc. Variance wrist brace. 4,881,533, 11-21-89, Cl. 128-87.00R.
- Teurlings, Lucas G. C.: *See—*
  - Gilissen, Hermanus P. J.; Teurlings, Lucas G. C.; and van Laarhoven, Antonius P. H. M., 4,828,503, Cl. 439-62.000.
- Teuscher, Leon A.: *See—*
  - Limburg, William W.; Renfer, Dale S.; Yanus, John F.; and Teuscher, Leon A., 4,818,650, Cl. 430-56.000.
- Teutsch, Erich O.: *See—*
  - Briggs, Milton; and Teutsch, Erich O., 4,798,526, Cl. 425-113.000.
- Teutsch, Walter: *See—*
  - Honeck, Karl-Heinz; Johnson, David; Neugebauer, Manfred; Teutsch, Walter; Kini, M. Vittal; and Stacey, Steven C., 4,800,532, Cl. 365-226.000.
- Teuwen, Uwe: *See—*
  - Breiter, Horst; Enger, Helmut; and Teuwen, Uwe, 4,854,994, Cl. 156-228.000.
- Teva Pharmaceutical Industries Ltd.: *See—*
  - Kasan, Rodney; Yellin, Haim; and Seiffe, Michael, 4,883,805, Cl. 514-411.000.
  - Kasan, Rodney; Seiffe, Michael; and Yellin, Haim, 4,889,724, Cl. 424-649.000.
  - Ladkani, David; Yellin, Haim; Weiner, Ben Z.; and Avnir, David, 4,851,426, Cl. 514-420.000.
- Tevault, David E.: *See—*
  - Pellenbarg, Robert E.; and Tevault, David E., 4,886,358, Cl. 356-301.000.
- Teves, Leonides Y. Sound generating pacifier. 4,856,519, 8-15-89, Cl. 128-360.000.
- Tew, Dennis: *See—*
  - Crossan, Jimmey; Maynard, Buford; and Tew, Dennis, 4,889,214, Cl. 192-17.00R.
- Tew, Sydney K., to Cadillac Gage Textron Inc. Movable core position transducer. 4,857,824, 8-15-89, Cl. 323-347.000.
- Tews, Jurgen: *See—*
  - Foller, Dieter; and Tews, Jurgen, 4,842,913, Cl. 428-71.000.
- Tews, Richard R., to Kimberly-Clark Corporation. Method of forming rapidly disintegrating paper tubes. 4,872,933, 10-10-89, Cl. 156-184.000.
- Texaco Canada Resources: *See—*
  - Kokolis, George P.; and McCoy, Kevin P., 4,794,987, Cl. 166-274.000.
  - Kokolis, George P.; and McCoy, Kevin P., 4,834,179, Cl. 166-268.000.
  - McCoy, Kevin P.; and Kokolis, George P., 4,838,350, Cl. 166-274.000.
  - McKay, Alexander S.; Livesey, Declan B.; and Harris, Philip, 4,884,635, Cl. 166-271.000.
- Texaco Chemical Company: *See—*
  - Klein, Howard P.; and Cuscurida, Michael, 4,888,446, Cl. 564-478.000.
  - Knifton, John F.; and Grice, Neal J., 4,822,921, Cl. 565-698.000.
  - Knifton, John F., 4,827,048, Cl. 568-698.000.
  - Knifton, John F., 4,870,217, Cl. 568-798.000.
  - Knifton, John F.; and Grice, Neal J., 4,876,397, Cl. 568-798.000.
  - Lin, Jiang-Jen; and Speranza, George P., 4,886,867, Cl. 528-111.000.
  - Lin, Jiang-Jen; and Speranza, George P., 4,886,909, Cl. 564-50.000.
  - Naylor, Carter G., Lin, Jiang-Jen; and Speranza, George P., 4,828,757, Cl. 252-544.000.
  - Sellstrom, Kathy B.; and Alexander, David C., 4,814,415, Cl. 528-111.000.
  - Sellstrom, Kathy B.; and Renken, Terry L., 4,853,456, Cl. 528-111.000.
  - Zimmerman, Robert L.; Waddill, Harold G.; and Speranza, George P., 4,826,930, Cl. 525-504.000.
- Texaco Inc.: *See—*
  - Alexander, David C.; and Speranza, George P., 4,826,995, Cl. 548-521.000.
  - Alexander, David C., 4,876,358, Cl. 548-521.000.
  - Apel, Howard L., 4,875,906, Cl. 48-197.00R.
  - Ayers, Harold J., 4,808,197, Cl. 48-69.000.
  - Baker, Brian K.; Hwan, Rei-Nan R.; and Leu, Lori A., 4,827,772, Cl. 73-716.000.
  - Bartels, Craig R.; and Reale, John, Jr., 4,802,988, Cl. 210-640.000.
  - Bartels, Craig R.; Dorawala, Tansukhlal G.; Stephenson, Michael T.; Pasternak, Mordechai; and Reale, John, Jr., 4,872,991, Cl. 210-651.000.
  - Beaupre, Richard F.; Guptill, Richard P.; and Hilmar, Martin D., 4,808,309, Cl. 210-321.890.
  - Beaupre, Richard F., 4,889,541, Cl. 55-16.000.
  - Bhattacharya, Ajit K.; Bolmer, Michael S.; and Prada-Silva, Guillermo, 4,822,825, Cl. 518-714.000.
  - Bhattacharya, Ajit K., 4,879,266, Cl. 502-164.000.
  - Bou-Mikael, Sami; Alston, Robert B.; and Hoyt, Donald L., 4,819,724, Cl. 166-263.000.
  - Brost, Dale F., 4,846,981, Cl. 252-8.552.
  - Bussian, Alfred E.; Williams, Thomas M.; Carmichael, Paul D.; and Paap, Hans J., 4,802,361, Cl. 73-61.10R.
  - Chan, Ting Y.; and Colvert, James H., 4,886,644, Cl. 422-140.000.
  - Chien, Sze-Foo, 4,849,988, Cl. 374-42.000.
  - Chou, Kechia J., 4,826,768, Cl. 435-146.000.
  - Colvert, James H.; Lionetti, Thomas A.; and MacLean, John P., 4,828,802, Cl. 422-144.000.
  - Colvert, James H., 4,874,583, Cl. 422-143.000.
  - Dach, Michael M., 4,828,580, Cl. 48-69.000.
  - Debons, Francis E., 4,821,803, Cl. 166-273.000.
  - Denbleyker, Alfred L., 4,801,306, Cl. 48-69.000.
  - Den Bleyker, Alfred L., 4,828,578, Cl. 48-69.000.
  - Den Bleyker, Alfred L., 4,880,438, Cl. 48-69.000.
  - Doering, John P., 4,877,142, Cl. 215-1.00C.
  - Dowling, Donald J.; and Sims, Jackie C., 4,832,503, Cl. 374-42.000.
  - Dowling, Donald J.; and Sims, Jackie C., 4,862,001, Cl. 250-345.000.
  - Friedman, Robert H.; and Surles, Billy W., 4,800,960, Cl. 166-276.000.
  - Friedman, Robert H.; and Surles, Billy W., 4,817,720, Cl. 166-295.000.
  - Friedman, Robert H.; and Surles, Billy W., 4,842,072, Cl. 166-295.000.
  - Hall, Dornese; and Bui, Hung Q., 4,807,701, Cl. 166-272.000.
  - Harrison, Charles W.; Gerondale, Michael J.; Patrone, Anthony J.; and Ong, James O. Y., 4,885,062, Cl. 196-14.500.
  - Hart, William P.; Kapuscinski, Maria M.; and Liu, Christopher S., 4,795,577, Cl. 252-51.50R.
  - Hart, William P.; and Liu, Christopher S., 4,826,613, Cl. 252-52.00R.
  - Hatton, Gregory J., 4,884,457, Cl. 73-861.040.
  - Jahnke, Frederick C., 4,889,657, Cl. 252-373.000.
  - Jao, Tze-Chi; and Powers, William J., III, 4,810,396, Cl. 252-33.000.
  - Kalfoglou, George, 4,869,732, Cl. 55-16.000.
  - Kapuscinski, Maria M.; Grina, Larry D.; and Brugger, Lee A., 4,816,172, Cl. 252-47.000.
  - Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,820,776, Cl. 525-279.000.
  - Kapuscinski, Maria M.; Liu, Christopher S.; Jones, Ronald E.; and Grina, Larry D., 4,836,943, Cl. 252-50.000.
  - Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,877,415, Cl. 44-62.000.
  - Kapuscinski, Maria M.; Grina, Larry D.; Jones, Ronald E.; and Sung, Rodney L., 4,886,611, Cl. 252-47.000.
  - Kokolis, George P.; and McCoy, Kevin P., 4,794,987, Cl. 166-274.000.
  - Kokolis, George P.; and McCoy, Kevin P., 4,834,179, Cl. 166-268.000.
  - Larkin, John M.; Zimmerman, Robert L.; Cuscurida, Michael; and Waddill, Harold G., 4,825,000, Cl. 564-347.000.
  - Larkin, John M.; and Speranza, George P., 4,827,038, Cl. 564-505.000.
  - Larkin, John M.; and Cuscurida, Michael, 4,827,039, Cl. 564-505.000.
  - Larkin, John M., 4,831,191, Cl. 562-517.000.
  - Larkin, John M.; and Speranza, George P., 4,847,417, Cl. 564-475.000.
  - Levin, Mark D.; Gallagher, Constance A.; Liu, Christopher S.; and Buscher, William A., Jr., 4,845,157, Cl. 525-308.000.
  - Lewis, Paul H.; Dai, Eugene P.; and Holst, Edward H., 4,798,819, Cl. 502-304.000.
  - Lin, Jiang-Jen, 4,806,678, Cl. 560-266.000.
  - Lin, Jiang-Jen, 4,831,159, Cl. 548-551.000.
  - Lin, Jiang-Jen, 4,849,543, Cl. 560-177.000.
  - Lin, Jiang-Jen, 4,866,177, Cl. 544-387.000.
  - Liu, Christopher S.; Grina, Larry D.; and Kapuscinski, Maria M., 4,798,678, Cl. 252-50.000.
  - Liu, Christopher S.; Benfaremo, Nicholas; Kapuscinski, Maria M.; and Grina, Larry D., 4,812,261, Cl. 252-51.50A.
  - Liu, Christopher S.; Kapuscinski, Maria M.; Grina, Larry D.; and Jones, Ronald E., 4,842,756, Cl. 252-48.200.
  - Liu, Christopher S.; Clarke, Donald J.; and Grina, Larry D., 4,877,834, Cl. 525-66.000.
  - Marquis, Edward T.; Sanderson, John R.; and Keating, Kenneth P., 4,845,251, Cl. 549-529.000.
  - Martin, Michael C.; McCracken, Beth E.; and Gulko, George M., 4,876,987, Cl. 122-504.200.
  - Matthews, Leonard A.; Powers, William J., III; Przybyla, Henry M.; Whittle, Joanne R.; and Perciful, Jerry C., 4,879,053, Cl. 252-25.000.
  - McConnell, Marc D.; and Edwards, Richard R., 4,811,196, Cl. 364-148.000.
  - McCoy, Kevin P.; and Kokolis, George P., 4,838,350, Cl. 166-274.000.
  - Mead, Theodore C.; and Morris, Betty J., 4,866,632, Cl. 364-501.000.
  - Mims, Donald S.; and Hoyt, Donald L., 4,819,725, Cl. 166-271.000.
  - Mims, Donald S.; Huang, Wann-Sheng; and Haynes, Stewart, 4,850,429, Cl. 166-245.000.
  - Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,801,438, Cl. 423-230.000.
  - Najjar, Mitri S.; and Corbeels, Roger J., 4,801,440, Cl. 423-415.00A.
  - Najjar, Mitri S.; and Becker, Michael W., 4,803,061, Cl. 423-415.00A.
  - Najjar, Mitri S.; Yaghmaie, Farrokh; and Sorell, Louis S., 4,808,194, Cl. 44-51.000.

Najjar, Mitri S.; and Corbeels, Roger J., 4,808,386, Cl. 423-226.000.
Najjar, Mitri S., 4,826,627, Cl. 252-373.000.
Najjar, Mitri S.; Corbeels, Roger J.; and Kokturk, Uygur, 4,851,151, Cl. 252-373.000.
Najjar, Mitri S., 4,851,152, Cl. 252-373.000.
Najjar, Mitri S.; and Roland, James, 4,857,229, Cl. 252-373.000.
Najjar, Mitri S.; Yaghmaie, Farokh; and Sorell, Louis S., 4,861,346, Cl. 44-51.000.
Najjar, Mitri S.; and Corbeels, Roger J., 4,876,031, Cl. 252-373.000.
Najjar, Mitri S.; and Robin, Allen M., 4,880,439, Cl. 48-197.00R.
Najjar, Mitri S., 4,889,658, Cl. 252-373.000.
Najjar, Mitri S.; and Becker, Michael W., 4,889,699, Cl. 423-210.000.
Najjar, Mitri Salim; and Gates, Walter C., Jr., 4,801,402, Cl. 252-373.000.
Nalesnik, Theodore E., 4,863,623, Cl. 252-50.000.
Nelson, Edward C., 4,814,492, Cl. 560-207.000.
Nieh, Edward C. Y.; Lin, Jiang-Jen; and Speranza, George P., 4,795,581, Cl. 252-77.000.
Nolte, David G.; and Collings, Edwin L., Jr., 4,865,741, Cl. 210-635.000.
Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,798,674, Cl. 210-640.000.
Pasternak, Mordechai, 4,865,745, Cl. 210-651.000.
Pasternak, Mordechai; Bartels, Craig R.; and Reale, John, Jr., 4,877,529, Cl. 210-500.370.
Porter, Gary L.; and Cade, William B., 4,850,432, Cl. 166-373.000.
Prada-Silva, Guillermo; and Bhattacharya, Ajit K., 4,824,869, Cl. 518-714.000.
Prada-Silva, Guillermo; Patel, Jitendra A.; and Bhattacharya, Ajit K., 4,886,772, Cl. 502-200.000.
Redus, Clifford L.; Chien, Sze-Foo; and Sigwardt, Peter L., 4,836,032, Cl. 73-861.040.
Rice, Doris M.; Grigsby, Robert A., Jr.; and Dominguez, Richard J. G., 4,806,615, Cl. 528-68.000.
Richter, George N., 4,808,198, Cl. 48-197.00R.
Rietsch, Eike, 4,875,197, Cl. 367-32.000.
Robison, Peter D.; and Stipanovic, Arthur J., 4,874,044, Cl. 166-275.000.
Sanderson, John R.; and Marquis, Edward T., 4,801,755, Cl. 568-571.000.
Sanderson, John R.; Marquis, Edward T.; and Lin, Jiang-Jen, 4,803,305, Cl. 568-571.000.
Sanderson, John R.; Meyer, Robert A.; Smith, William A.; and Marquis, Edward T., 4,810,809, Cl. 549-529.000.
Sanderson, John R.; and Larkin, John M., 4,873,380, Cl. 568-914.000.
Sayles, Scott M., 4,810,359, Cl. 208-143.000.
Sellstrom, Kathy B.; and Waddill, Harold G., 4,828,879, Cl. 427-136.000.
Sims, Jackie C.; Dowling, Donald J.; and Simpson, Richard S., 4,849,687, Cl. 324-61.00R.
Sims, Jackie C.; Dowling, Donald J.; and Nussbaum, Theodore W., 4,854,725, Cl. 374-42.000.
Speranza, George P.; and Lin, Jiang-Jen, 4,847,380, Cl. 546-190.000.
Stevens, James F., Jr.; and Hawkins, Jeffrey T., 4,800,957, Cl. 166-268.000.
Stevens, James F., Jr., 4,887,671, Cl. 166-308.000.
Suggitt, Robert M., 4,863,489, Cl. 48-197.00R.
Sung, Rodney L.; Zoleski, Benjamin H.; and O'Rourke, Ronald L., 4,808,335, Cl. 252-47.500.
Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., 4,810,261, Cl. 44-62.000.
Sung, Rodney L.; Zoleski, Benjamin H.; and O'Rourke, Ronald L., 4,834,897, Cl. 252-51.50A.
Sung, Rodney L.; Hayden, Thomas; Caggiano, Michael A.; and Behrens, Milton D., 4,852,993, Cl. 44-62.000.
Sung, Rodney L.; and Kaufman, Benjamin J., 4,857,661, Cl. 562-502.000.
Sung, Rodney L., 4,865,621, Cl. 44-62.000.
Sung, Rodney L., 4,865,622, Cl. 44-63.000.
Sung, Rodney L. 4,869,728, Cl. 44-71.000.
Todd, James D.; Meyer, Herbert J.; and Zorn, Albert J., 4,835,744, Cl. 367-20.000.
Valone, Frederick W., 4,846,980, Cl. 252-8.552.
Valone, Frederick W., 4,867,888, Cl. 252-8.555.
Vanderpool, Steven H.; Watts, Lewis W., Jr.; Larkin, John M.; and Renken, Terry L., 4,806,517, Cl. 502-208.000.
Waddill, Harold G., 4,800,222, Cl. 528-94.000.
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Warren, Wayne F.; and Johnson, Donald L., Jr., 4,810,970, Cl. 324-338.000.

Texaco Ltd: *See—*
Rayson, Peter J., 4,832,124, Cl. 166-339.000.

Texacone Company: *See—*
Wheeler, John H., 4,857,389, Cl. 428-217.000.

Texas A & M University System, The: *See—*
Appleby, Anthony J., 4,859,292, Cl. 204-60.000.
Cummins, Joseph M., 4,820,514, Cl. 424-85.400.
Cummins, Joseph M., 4,820,515, Cl. 424-85.700.
Ivey, Don L., 4,822,208, Cl. 404-6.000.
LePori, Wayne A.; and Parnell, Calvin B., 4,848,249, Cl. 112-234.000.
Parker, Donald L.; Hall, Kenneth R.; and Holste, James C., 4,801,380, Cl. 210-500.210.
Smith, Gale E.; and Summers, Max D., 4,879,236, Cl. 435-235.000.
Taylor, Henry F., 4,848,999, Cl. 65-4.300.

Texas Alkyls, Inc.: *See—*
Eidt, Scott H.; Deavenport, Dennis L.; and Tran, Nam H., 4,841,082, Cl. 556-129.000.
Fannin, Loyd W.; Malpass, Dennis B.; and Rohrer, John R., 4,826,665, Cl. 423-210.000.
Malpass, Dennis B.; Fannin, Loyd W.; and Breen, Michael J., 4,851,378, Cl. 502-103.000.
Malpass, Dennis B.; Triplett, Kelly B.; and Piotrowski, Andrzej M., 4,876,318, Cl. 525-446.000.
Piotrowski, Andrzej M.; and Malpass, Dennis B., 4,847,239, Cl. 505-801.000.
Piotrowski, Andrzej M.; and Malpass, Dennis B., 4,849,574, Cl. 585-638.000.
Piotrowski, Andrzej M.; and Ligi, Joseph J., 4,875,941, Cl. 134-11.000.
Piotrowski, Andrzej M.; and Malpass, Dennis B., 4,885,406, Cl. 568-716.000.

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O'Keefe, David M., 4,833,265, Cl. 560-22.000.

Texas Health Science Center: *See—*
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Texas Industries Inc.: *See—*
van der Lely, Cornelis, 4,796,417, Cl. 56-341.000.

Texas Instruments Deutschland GmbH: *See—*
Naumann, Jorg; Sharnagl, Thomas; and Stroth, Leo, 4,882,293, Cl. 437-52.000.

Texas Instruments Incorporated: *See—*
Abiko, Shigeshi, 4,831,570, Cl. 364-715.010.
Adams, Anthony L., 4,887,352, Cl. 29-827.000.
Alvarez, Juan M.; Breit, Henry F.; Levy, Steven E.; and Hingorany, Premkumar R., 4,811,166, Cl. 361-386.000.
Anderson, Dirk N., 4,808,552, Cl. 437-187.000.
Anderson, Ron, 4,819,847, Cl. 224-252.000.
Arnquist, David C., 4,878,705, Cl. 294-116.000.
Ashmore, Benjamin H., Jr., 4,829,203, Cl. 307-469.000.
Ashmore, Benjamin H., Jr. 4,862,019, Cl. 307-469.000.
Ashmore, Benjamin H., Jr., 4,866,307, Cl. 307-469.000.
Ayers, Joe W., 4,881,922, Cl. 464-79.000.
Ayers, Joe W.; and Autery, William D., 4,886,169, Cl. 206-591.000.
Baglee, David A., 4,796,228, Cl. 365-185.000.
Baglee, David A.; and Parker, Ronald, 4,830,981, Cl. 437-48.000.
Baglee, David A., 4,835,741, Cl. 365-185.000.
Bailey, Walter H.; and Pettus, Kent, 4,860,188, Cl. 363-65.000.
Banerjee, Sanjay K., 4,864,374, Cl. 357-23.600.
Barna, Gabriel G.; and Ratliff, Charles, 4,847,792, Cl. 364-552.000.
Barna, Gabriel G.; and Economou, Demetre J., 4,859,277, Cl. 156-626.000.
Bayraktaroglu, Burhan, 4,859,633, Cl. 437-211.000.
Bednarz, George A.; Smith, Reginald W.; Roeding, Gretchen W.; and Test, Howard R., 4,874,722, Cl. 437-209.000.
Bell, Kenneth M., 4,879,524, Cl. 330-288.000
Bellay, Jeffrey D.; McDonough, Kevin C.; and Patrick, Michael W., 4,797,808, Cl. 364-200.000.
Bienstock, Rachelle J., 4,861,421, Cl. 156-635.000.
Bishop, Robert P.; Berg, Peter G.; and Ofiler, Stephen B., 4,864,103, Cl. 219-375.000.
Bishop, Robert P.; Sabetti, Anthony J.; and Charboneau, Thomas 4,875,135, Cl. 361-283.000.
Bishop, Robert P., 4,888,662, Cl. 361-283.000.
Black, Michael F., 4,866,402, Cl. 331-1.00A.
Blankenship, Gene E.; Gonsalves, Edward M.; Kawate, Keith W.; Sacarisen, Stephen P.; Giolma, William H.; and Spanjol, Damir A., 4,827,242, Cl. 340-450.000.
Bliss, Thomas, 4,818,634, Cl. 428-677.000.
Blumenthal, Roc, 4,868,490, Cl. 324-64.000.
Borrello, Sebastian R.; and Roberts, Charles G., 4,807,007, Cl. 357-30.000.
Bosshart, Patrick W., 4,815,019, Cl. 364-736.500.
Branson, Charles N., 4,819,164, Cl. 364-200.000.
Breuninger, Robert K., 4,858,178, Cl. 364-900.000.
Brighton, Jeffrey E., 4,839,305, Cl. 437-41.000.
Brighton, Jeffrey E., 4,842,991, Cl. 430-316.000.
Brighton, Jeffrey E.; and Roane, Bobby A., 4,866,008, Cl. 437-189.000.
Brubaker, William B.; Slaughter, John; Christian, Donald J.; and Doty, Thomas J., 4,882,694, Cl. 364-424.020.
Chapman, Richard A.; and Teng, Clarence W., 4,842,675, Cl. 156-643.000.
Chatterjee, Pallab K., 4,889,832, Cl. 437-203.000.
Chauvel, Gerard, 4,799,146, Cl. 364-200.000.
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Chauvel, Gerard, 4,814,756, Cl. 340-750.000.
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Chen, Ih-Chin; Shen, Bing W.; and Doering, Robert R., 4,882,649, Cl. 361-313.000.
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Chen, Kueing L.; and Pang, Roland H., 4,825,280, Cl. 357-71.000.
Chiu, Edison H.; and Pang, Roland H., 4,831,625, Cl. 371-51.000.

Chiu, Edison H.; Tai, Jy-Der; and Hsu, Te-Chuan, 4,837,743, Cl. 371-51.000.
Chiu, Edison H., 4,860,262, Cl. 365-218.000.
Chiu, Edison H.; and Pang, Roland H., 4,884,270, Cl. 371-21.200.
Chloupek, James E.; and Boucher, Richard E., 4,804,928, Cl. 331-1.00A.
Christian, Donald J., 4,887,223, Cl. 364-518.000.
Cleavelin, Cloves R.; and Phillips, Danny, 4,839,010, Cl. 204-192.280.
Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,812,799, Cl. 337-70.000.
Cobb, Carleton M., III, 4,827,233, Cl. 335-201.000.
Cobb, Carleton M., III; Hirsbrunner, Hans G.; Gonsalves, Edward M.; Jenne, Richard L.; and Nott, Sepideh H., 4,837,545, Cl. 337-66.000.
Cobb, Carleton M., III; Strobel, Stephen J.; LeComte, Norman E.; and Nott, Sepideh H., 4,866,559, Cl. 361-103.000.
Cohn, Robert W., 4,859,012, Cl. 350-96.240.
Coleman, Donald J., Jr., 4,831,427, Cl. 357-27.000.
Cook, Brian E.; and Keen, Ralph S., 4,887,144, Cl. 357-50.000.
Cooper, Alan N.; Taylor, James K.; and Cooper, Erwin E., 4,819,068, Cl. 358-113.000.
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Courts, Howard R., 4,807,120, Cl. 364-200.000.
Covington, John B.; Marriott, Vic B.; Venable, Larry G.; and Kim, Peter, 4,816,380, Cl. 430-311.000.
Cox, Ned, 4,795,975, Cl. 324-156.000.
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Curtis, Susan A., 4,839,538, Cl. 307-456.000.
Daniels, Martin D.; and Koskell, Derek, 4,860,290, Cl. 371-25.000.
Darley, Henry M.; Gill, Michael C.; Earl, Dale C.; Ngo, Dinh T.; Wang, Paul C.; Hipona, Maria B. L.; and Dodrill, Jim, 4,878,190, Cl. 364-752.000.
Darley, Henry M., 4,890,127, Cl. 364-786.000.
D'Arrigo, Sebastiano; Imondi, Giuliano; Lin, Sung-Wei; and Gill, Manzur, 4,823,318, Cl. 365-189.000.
Davis, Cecil J.; and Matthews, Robert T., 4,816,098, Cl. 156-345.000.
Davis, Cecil J.; Matthews, Robert; and Hildenbrand, Randall C., 4,816,116, Cl. 156-643.000.
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Davis, Cecil J.; Matthews, Robert T.; Jucha, Rhett B.; and Loewenstein, Lee M., 4,820,377, Cl. 156-643.000.
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Davis, Cecil J.; Matthews, Robert T.; and Fisher, Wayne G., 4,830,700, Cl. 156-345.000.
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Davis, Cecil J.; Freeman, Dean W.; Matthews, Robert T.; and Tomlin, Joel T., 4,832,778, Cl. 156-345.000.
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Davis, Cecil J.; Wooldridge, Timothy J.; and Carter, Duane E., 4,842,680, Cl. 156-643.000.
Davis, Cecil J.; Loewenstein, Lee M.; Matthews, Robert T.; Jones, John I.; and Jucha, Rhett B., 4,842,686, Cl. 156-643.000.
Davis, Cecil J.; Carter, Duane E.; and Jucha, Rhett B., 4,849,068, Cl. 156-643.000.
Davis, Cecil J.; Abernathy, Joseph V.; Matthews, Robert T.; Hildenbrand, Randall C.; Simpson, Bruce; Jones, John I.; Loewenstein, Lee M.; and Bohlman, James G., 4,872,938, Cl. 156-345.000.
Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Abernathy, Joe V.; and Wooldridge, Timothy A., 4,875,989, Cl. 204-298.000.
Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Jucha, Rhett B.; Hildenbrand, Randall C.; and Jones, John I., 4,886,570, Cl. 156-643.000.
Dennison, Stanley M.; and Prater, Cordell E., 4,884,240, Cl. 365-189.090.
Derryberry, Lesli; and Petrovich, Tom, 4,862,247, Cl. 357-74.000.
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Dolby, Debra J.; Schreck, John F.; and Truong, Phat, 4,820,941, Cl. 307-449.000.
Dolins, Steven B.; Srivastava, Aditya; Flinchbaugh, Bruce E.; Gunturi, Sarma S.; Lassiter, Thomas W.; and Love, Robert L., 4,846,928, Cl. 156-626.000.
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Douglas, Monte A., 4,807,016, Cl. 357-67.000.
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Duvvury, Charvaka; and Rountree, Robert N., 4,855,620, Cl. 307-448.000.
Ehni, George J., 4,808,861, Cl. 307-579.000.
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Esquivel, Agerico L.; and Mitchell, Allan T., 4,833,514, Cl. 357-23.500.
Esquivel, Agerico L.; Groover, Robert, III; and Tigelaar, Howard L., 4,855,800, Cl. 357-23.500.
Fattaruso, John W., 4,883,987, Cl. 307-355.000.
Ferrio, Tom M.; and Wilson, Carey B., 4,831,358, Cl. 340-825.500.
Fisher, Wayne G.; Bennett, Tommy J.; Davis, Cecil J.; and Matthews, Robert T., 4,832,779, Cl. 156-345.000.
Fisher, Wayne G., 4,857,132, Cl. 156-345.000.
Fisher, Wayne G., 4,879,258, Cl. 437-225.000.
Fisher, William M., 4,811,400, Cl. 381-44.000.
Fisher, William M.; McMahan, Michael L.; Doddington, George; and Bocchieri, Enrico L., 4,882,757, Cl. 381-43.000.
Flaherty, Edward H., 4,855,623, Cl. 307-475.000.
Flinchbaugh, Bruce E., 4,835,528, Cl. 340-709.000.
Flinchbaugh, Bruce E.; Dolins, Steven B.; Srivastava, Aditya; and Reese, Jon, 4,861,419, Cl. 156-626.000.
Frechette, Raymond A.; and Uzpurvis, Eugenijus, 4,868,635, Cl. 357-70.000.
Freeman, Dean W., 4,810,673, Cl. 437-239.000.
Freeman, Dean W.; and Davis, Cecil J., 4,863,561, Cl. 156-646.000.
Freeman, Dean W., 4,877,753, Cl. 437-101.000.
Freeman, Dean W.; and Burris, James B., 4,882,299, Cl. 437-233.000.
Frensley, William R., 4,866,488, Cl. 357-4.000.
Fujii, Ichiro, 4,806,498, Cl. 437-24.000.
Fujii, Ichiro, 4,872,043, Cl. 357-24.000.
Garcia, Felix, Jr., 4,871,231, Cl. 350-144.000.
Garcia, Virgilio N.; Hearn, Alan S.; and Sparks, Steven E., 4,831,286, Cl. 307-480.000.
Garcia, Virgilio N., 4,879,683, Cl. 365-189.050.
Garth, Simon, 4,823,005, Cl. 250-310.000.
Garza, Cesar M.; Douglas, Monte A.; Loewenstein, Lee M.; and Davis, Cecil J., 4,882,008, Cl. 156-643.000.
Gibbons, Robert C.; and Cottle, Wilbur W., 4,877,317, Cl. 350-559.000.
Goudie, Kathleen M., 4,797,930, Cl. 381-52.000.
Greer, W. T., Jr.; and Laczko, Frank L., 4,796,229, Cl. 365-189.000.
Grimm, Thomas R., 4,881,839, Cl. 400-692.000.
Groover, Robert, III; Haken, Roger A.; and Holloway, Thomas C., 4,804,636, Cl. 437-52.000.
Gula, James L.; and Schneider, Daniel E., 4,868,741, Cl. 364-200.000.
Gupta, Subhash; Siduh, Sanjiv S.; and Vlach, Frank, 4,888,692, Cl. 364-402.000.
Haight, Michael H.; and Giolma, William H., 4,799,030, Cl. 331-117.00R.
Haken, Roger A.; and Holloway, Thomas C., 4,821,085, Cl. 357-67.000.
Haken, Roger A.; and Scott, David B., 4,851,360, Cl. 437-29.000.
Hashimoto, Masashi, 4,797,725, Cl. 357-54.000.
Hashimoto, Masashi, 4,829,478, Cl. 365-94.000.
Hashimoto, Masashi, 4,849,248, Cl. 427-38.000.
Hashimoto, Masashi; and Tachibana, Tadashi, 4,862,413, Cl. 365-104.000.
Hashimoto, Masashi, 4,875,212, Cl. 371-40.200.
Hashimoto, Masashi; Kenji, Sasaki; and Nomura, Masayoshi, 4,882,710, Cl. 365-189.050.
Hashimoto, Masashi; and Nomura, Masayoshi, 4,888,736, Cl. 365-189.010.
Hashimoto, Masashi; and Tachibana, Tadashi, 4,890,262, Cl. 365-200.000.
Havemann, Robert H., 4,816,423, Cl. 437-31.000.
Havemann, Robert H.; and Eklund, Robert H., 4,835,580, Cl. 357-15.000.
Havemann, Robert H., 4,877,748, Cl. 437-31.000.
Head, Claude D., III, 4,884,674, Cl. 198-341.000.
Heinecke, Guenter; and Soobik, Lembit, 4,845,536, Cl. 357-23.100.
Hellums, James R., 4,890,052, Cl. 323-315.000.
Hester, Richard K.; and de Wit, Michiel, 4,803,462, Cl. 341-172.000.
Hester, Richard K., 4,831,381, Cl. 341-172.000.
Hester, Richard K., 4,855,743, Cl. 341-110.000.
Heston, David D.; Seymour, David J.; and Lehmann, Randall E., 4,810,980, Cl. 333-17.00L.
Hite, Larry R.; Houston, Ted; and Matloubian, Mishel, 4,863,878, Cl. 437-026.000.
Hochschild, James R., 4,855,685, Cl. 330-282.000.
Hochschild, James R.; and Severin, William A., 4,862,121, Cl. 333-173.000.
Hollingsworth, Deems R.; Thompson, Steve; and Pang, Harry F., 4,868,631, Cl. 357-48.000.
Holloway, Thomas C.; Haken, Roger A.; and Chapman, Richard A., 4,845,047, Cl. 437-45.000.
Holmes, Jerry D.; and Chalkley, Hatcher E., 4,807,256, Cl. 375-97.000.
Hooper, Robert C.; Roane, Bobby A.; and Verret, Douglas P., 4,843,453, Cl. 357-71.000.
Houston, Theodore W., 4,811,301, Cl. 365-203.000
Hsu, Wei-Chan; Krenik, William R.; and Hellums, James R., 4,797,631, Cl. 330-253.000.
Hulbert, Thomas N.; Sesters, James J.; and Bradley, Earl E., 4,810,974, Cl. 331-1.00A.
Hunter, Arthur C.; and Ferrio, Linda J., 4,823,311, Cl. 364-900.000.
Hutchins, Charles L., 4,800,332, Cl. 324-73.00R.

Hutchins, Charles L., 4,816,757, Cl. 324-158.00R.
Hutter, Louis N.; and Erdeljac, John P., 4,805,071, Cl. 361-313.000.
Hutter, Louis N., 4,819,052, Cl. 357-49.000.
Hutter, Louis N.; and Trogolo, Joe R., 4,855,244, Cl. 437-31.000.
Hynecek, Jaroslav, 4,814,648, Cl. 307-497.000.
Hynecek, Jaroslav, 4,819,070, Cl. 358-213.110.
Hynecek, Jaroslav, 4,821,081, Cl. 357-24.000.
Hynecek, Jaroslav, 4,831,451, Cl. 358-213.110.
Hynecek, Jaroslva, 4,878,121, Cl. 358-213.220.
Ikeya, Kiyokazu; and Yagi, Masanori, 4,801,273, Cl. 439-269.000.
Ikeya, Kiyokazu, 4,846,704, Cl. 439-72.000.
Imamura, Youichiro; Kaeriyama, Toshiyuki; and Ishimoto, Hironori, 4,855,798, Cl. 357-71.000.
Ishida, Yoshihiro; Yoshida, Akira; and Kobayashi, Hideo, 4,883,969, Cl. 250-427.000.
Jensen, Millard J.; and Levine, Jules D., 4,872,607, Cl. 228-180.100.
Jucha, Rhett B.; Davis, Cecil J.; and Jones, John I., 4,838,990, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,842,676, Cl. 156-643.000.
Jucha, Rhett B.; and Davis, Cecil J., 4,842,687, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; Carter, Duane E.; Crank, Sue E.; and Jones, John I., 4,849,067, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Loewenstein, Lee M., 4,855,016, Cl. 156-643.000.
Jucha, Rhett B.; Davis, Cecil J.; and Crank, Sue E., 4,863,558, Cl. 156-643.000.
Jucha, Rhett B.; Carter, Duane E.; Davis, Cecil J.; and Crank, Sue E., 4,874,723, Cl. 437-245.000.
Jucha, Rhett B.; Davis, Cecil J.; Tang, Tom; and Loewenstein, Lee M., 4,878,994, Cl. 156-643.000.
Kadakia, Shailesh R., 4,823,031, Cl. 307-530.000.
Kadakia, Shailesh R., 4,888,498, Cl. 307-296.400.
Karashima, Akira, 4,870,474, Cl. 357-70.000.
Kayanuma, Kazuo; and Sasaki, Kazuo, 4,870,249, Cl. 219-206.000.
Kennon, James A.; Islam, Shafidul; Popken, Jeffrey L.; Medders, Jerry B.; Fitzgerald, Susan S.; Kelley, Donald R.; and Burr, Philip A., 4,812,114, Cl. 425-116.000.
Khosrovi, Aman; Lou, Perry W.; and Chang, Ki S., 4,831,594, Cl. 365-222.000.
King, Lawrence A.; and Andrews, Peter J., 4,884,039, Cl. 330-253.000.
Klass, Jeffrey M.; Reed, Paul A.; and Rimawi, Isam, 4,818,900, Cl. 307-450.000.
Komatsuzaki, Yasuo, 4,823,480, Cl. 34-218.000.
Kottman, Rickie A.; Terrill, Robert E.; and Wise, Ann E., 4,838,289, Cl. 134-153.000.
Krenik, William R., 4,818,897, Cl. 307-362.000.
Krenik, William R., 4,839,633, Cl. 340-661.000.
Krenik, William R.; and Hsu, Wei-Chan, 4,845,675, Cl. 365-203.000.
Krenik, William R., 4,849,757, Cl. 341-167.000.
Krenik, William R.; Hsu, Wei-chan; and Nail, Richard, 4,887,048, Cl. 330-258.000.
Kronlage, John W., 4,809,211, Cl. 364-754.000.
Kuo, Chang-Kiang, 4,827,448, Cl. 365-149.000.
Kushida, Osami; Ninomiya, Hisamitsu; Nezuka, Masakazu; and Ishikawa, Yoshihiko, 4,876,523, Cl. 337-299.000.
Kuwano, Hiromichi, 4,857,780, Cl. 307-574.000.
Lee, Jhang W.; and Reed, Mark A., 4,851,886, Cl. 357-4.000.
Levine, Jules D.; Jensen, Millard J.; and Haney, Ronald E., 4,806,495, Cl. 437-2.000.
Lewis, Adam J.; and Frensley, William R., 4,803,537, Cl. 357-30.000.
Licht, Harold J., 4,827,439, Cl. 364-708.000.
Lin, Kun-Shan; and Goudie, Kathleen M., 4,799,261, Cl. 381-36.000.
Lin, Kun-Shan; and Reimer, Jay B., 4,802,223, Cl. 381-38.000.
Lisauskas, Richard J., 4,862,306, Cl. 361-24.000.
Liu, Jiann: Davis, Cecil J.; and Loewenstein, Lee M., 4,818,326, Cl. 156-345.000.
Loewenstein, Lee M., 4,820,378, Cl. 156-643.000.
Loewenstein, Lee M.; and Davis, Cecil J., 4,830,705, Cl. 156-643.000.
Loewenstein, Lee M.; and Davis, Cecil J., 4,844,773, Cl. 156-643.000.
Loewenstein, Lee M., 4,857,140, Cl. 156-643.000.
Loewenstein, Lee M.; Davis, Cecil J.; and Jucha, Rhett B., 4,867,841, Cl. 156-643.000.
Luckett, Dirk R.; and Parkerson, James P., 4,879,680, Cl. 365-154.000.
Luttmer, Joseph D.; York, Rudy L.; Smith, Patricia B.; and Davis, Cecil J., 4,837,113, Cl. 427-38.000.
Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,838,984, Cl. 156-643.000.
Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; and York, Rudy L., 4,855,160, Cl. 427-38.000.
Luttmer, Joseph D.; and Little, D. Dawn, 4,876,222, Cl. 437-225.000.
Mahant-Shetti, Shivaling S.; and Nishimura, Aki, 4,795,964, Cl. 324-60.00C.
Malhi, Satwinder; Bean, Kenneth E.; Driscoll, Charles C.; and Chatterjee, Pallab K., 4,855,809, Cl. 357-75.000.
Malhi, Satwinder D. S., 4,814,850, Cl. 357-42.000.
Malhi, Satwinder D. S.; Shen, Chi-Cheong; Bean, Kenneth E.; and Chang, Peng-Heng, 4,875,086, Cl. 357-54.000.
Malhi, Satwinder S.; and Pollack, Gordon P., 4,797,373, Cl. 437-60.000.
Malhi, Satwinder S., 4,829,017, Cl. 437-47.000.
Malhi, Satwinder S., 4,890,145, Cl. 357-23.600.
Marshall, Steven P.; Caudel, Edward N.; Stone, Michele; and McNeely, Margaret D., 4,868,784, Cl. 364-900.000.
Marton, Bela I., 4,814,707, Cl. 324-304.000.
McAulay, Alastair D., 4,811,210, Cl. 364-200.000.
McDavid, James M., 4,874,720, Cl. 437-203.000.
McDavid, James M., 4,878,100, Cl. 357-23.300.
McElroy, David; Coffman, Timmie M.; and Ashmore, Buster, 4,805,138, Cl. 365-53.000.
McEntee, Timothy J.; Bloemer, Robert W.; Oxley, Donald W.; and Thatte, Satish M., 4,797,810, Cl. 364-200.000.
McLellan, Neil R., 4,865,654, Cl. 148-24.000.
McNulty, M. Christa; Schricker, Karl E.; Coleman, Glenn H.; Dutton, Patricia L.; and Lystad, Garr S., 4,868,755, Cl. 364-434.000.
McPherson, Joe W., 4,816,425, Cl. 437-200.000.
Meng, Alex C-C, 4,862,373, Cl. 364-444.000.
Merryman, Jerry D.; and Porter, Vernon R., 4,886,958, Cl. 250-201.000.
Miller, Denise L.; and Ley, Vance A., 4,830,987, Cl. 437-247.000.
Millis, Edwin G.; and Wood, Samuel J., Jr., 4,851,311, Cl. 430-30.000.
Millis, Edwin G.; and Wood, Samuel J., Jr., 4,857,430, Cl. 430-30.000.
Millis, Edwin G.; and Wood, Samuel J., Jr., 4,857,750, Cl. 250-573.000.
Mitcham, Larry D., 4,820,068, Cl. 400-216.100.
Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., 4,806,201, Cl. 156-653.000.
Mitchell, Allan T.; Tigelaar, Howard L.; and Riemenschneider, Bert R., 4,829,019, Cl. 437-069.000.
Mitchell, Allan T.; and Riemenschneider, Bert R., 4,853,895, Cl. 365-185.000.
Mitchell, Allan T.; Tigelaar, Howard L.; Garg, Shaym G.; and Rao, Kalipatnam V., 4,878,996, Cl. 156-653.000.
Morgan, John D.; Giolma, William H.; and Boucher, Richard 4,798,973, Cl. 307-296.00R.
Mydill, Marc R., 4,855,969, Cl. 368-120.000.
Mydill, Marc R.; and Powell, Theo J., 4,870,346, Cl. 324-73.00R.
Naito, Atsushi; Nakatsuka, Kiyoshi; Inui, Takashi; and Suzuki, Tomohiro, 4,808,857, Cl. 307-530.000.
Negishi, Hidetaka; and Aoki, Shigemitsu, 4,885,574, Cl. 340-711.000.
Niehaus, Jeffrey A.; and Kronlage, John W., 4,835,738, Cl. 364-900.000.
Niehaus, Jeffrey A.; Fleck, Robert G.; Li, Stephen; and Strong, Bob D., 4,852,083, Cl. 370-58.000.
Nixon, William C., 4,804,851, Cl. 250-492.200.
Norwood, Roger D.; Chun, Jino; and Patel, Pravin P., 4,876,671, Cl. 365-233.000.
Oates, Martin, 4,852,059, Cl. 365-49.000.
Offiler, Stephen B.; Berg, Peter G.; and Kawate, Keith W., 4,866,365, Cl. 322-8.000.
Orvek, Kevin J., 4,826,756, Cl. 430-328.000.
Ott, Granville E.; and Johns, Ron H., 4,829,431, Cl. 364-419.000.
Ovens, Kevin M.; Maxey, Jay A.; and Greenberg, Craig B., 4,800,296, Cl. 307-291.000.
Ovens, Kevin M., 4,845,387, Cl. 307-455.000.
Ovens, Kevin M., 4,855,617, Cl. 307-291.000.
Ovens, Kevin M.; and Strong, Bobby D., 4,857,771, Cl. 307-455.000.
Pang, Roland H.; and Chiu, Edison H., 4,858,182, Cl. 365-156.000.
Paterson, James L., 4,874,715, Cl. 437-43.000.
Paterson, James L., 4,888,630, Cl. 357-23.500.
Peters, Alfred C., 4,848,090, Cl. 62-3.300.
Peterson, Robert K.; Mowatt, Larry J.; and Poteet, Aaron D., 4,882,454, Cl. 174-68.500.
Petraitis, Jeffery J.; Cardin, Walfred; Cooper, Lawrence; Rountree, Dave; and Plouffe, Leo A., 4,866,408, Cl. 337-104.000.
Picone, Joseph W.; and Doddington, George R., 4,815,134, Cl. 381-31.000.
Pinkham, Raymond, 4,796,231, Cl. 365-189.000.
Pinkham, Raymond; and Balistreri, Anthony M., 4,807,189, Cl. 365-189.000.
Pinkham, Raymond, 4,817,058, Cl. 365-230.000.
Pinkham, Raymond; and Anderson, Daniel F., 4,866,678, Cl. 365-230.010.
Plumton, Donald L.; and Tiku, Shiban K., 4,843,033, Cl. 437-161.000.
Plumton, Donald L.; Tran, Liem T.; and Shih, Hung-Dah, 4,868,633, Cl. 357-67.000.
Pritchett, Samuel D., 4,870,373, Cl. 330-279.000.
Provence, John D., 4,885,757, Cl. 375-96.000.
Purdes, Andrew J., 4,830,984, Cl. 437-126.000.
Purdes, Andrew J., 4,878,989, Cl. 156-613.000.
Ramsey, Thomas H., 4,889,274, Cl. 228-179.000.
Randall, John N., 4,827,138, Cl. 250-492.20R.
Rao, Kalipatnam V.; Mitchell, Allan T.; and Paterson, James L., 4,799,992, Cl. 156-643.000.
Rao, Kalipatnam V., 4,874,716, Cl. 437-43.000.
Raschke, Curt R., 4,815,208, Cl. 29-832.000.
Reed, Mark A., 4,799,091, Cl. 357-12.000.
Reed, Mark A.; and Frazier, Gary A., 4,878,104, Cl. 357-30.000.

Reid, Lee R., 4,888,550, Cl. 324-158.00P.
Rendon, Mark A.; Treszoks, Erik A.; and Grimm, Thomas R., 4,881,840, Cl. 400-705.100.
Renner, Karl H.; and Morton, Alec J., 4,796,216, Cl. 364-724.000.
Richardson, William F.; and Malhi, Satwinder S., 4,824,793, Cl. 437-47.000.
Riemenschneider, Bert R., 4,812,885, Cl. 357-23.500.
Roane, Bobby A., 4,873,565, Cl. 357-71.000.
Rodder, Mark S., 4,877,755, Cl. 437-200.000.
Rogers, William C.; and Ruszczyk, William S., 4,864,535, Cl. 365-94.000.
Rose, Alan D., 4,820,371, Cl. 156-345.000.
Sampsell, Jeffrey B.; and McDonald, Terrance G., 4,856,863, Cl. 350-96.160.
Sanford, Carlton E., 4,853,503, Cl. 200-83.00P.
Sanford, Carlton E., 4,861,953, Cl. 200-83.00P.
Schabowski, John, 4,811,202, Cl. 364-200.000.
Schalk, Thomas B.; and Doddington, George R., 4,831,551, Cl. 364-513.500.
Scharrer, Carl J.; and Pang, Roland H., 4,815,038, Cl. 365-189.000.
Scharrer, Carl J.; and Pang, Roland H., 4,833,648, Cl. 365-189.050.
Scharrer, Carl J.; and Vogt, Debbie S., 4,858,181, Cl. 365-155.000.
Scharrer, Carl J.; and Pang, Roland H., 4,858,183, Cl. 365-174.000.
Schreck, John F.; Coffman, Timmie M.; and Wilmoth, David D., 4,797,857, Cl. 365-203.000.
Schreck, John F.; and Kaszubinski, Jeffrey K., 4,802,121, Cl. 365-104.000.
Schreck, John F., 4,858,187, Cl. 365-185.000.
Scott, Warner C., 4,864,628, Cl. 382-21.000.
Shah, Ashwin H.; Womack, Richard H.; and Wang, Chu-Ping, 4,800,525, Cl. 365-72.000.
Shah, Ashwin H.; and Chatterjee, Pallab K., 4,810,906, Cl. 307-448.000.
Shaw, Ching-Hao; Bosshart, Patrick; Matzke, Douglas; Kalyan, Vibhu; and Houston, Theodore, 4,870,598, Cl. 364-491.000.
Sheerer, Thomas J., 4,802,781, Cl. 400-124.000.
Sills, James G., 4,827,391, Cl. 363-41.000.
Simmons, Arturo; Walsh, Shawn T.; and Roberts, Charles G., 4,801,558, Cl. 437-170.000.
Simpson, Richard D.; and Asal, Michael D., 4,849,920, Cl. 364-615.100.
Simpson, Richard D.; and Roskell, Derek, 4,858,167, Cl. 364-787.000.
Slack, Douglas J., 4,864,102, Cl. 219-253.000.
Smayling, Michael C.; and D'Arrigo, Sebastiano, 4,804,637, Cl. 437-52.000.
Smayling, Michael C.; D'Arrigo, Sebastiano; Imondi, Giuliano; and Vergara, Sossio, 4,823,320, Cl. 365-189.000.
Smith, Mark A.; and Pavio, Anthony M., 4,853,564, Cl. 307-492.000.
So, John L. W., 4,833,399, Cl. 324-79.00D.
Spicer, Denis F., 4,801,879, Cl. 324-158.00R.
Spratt, David B.; Zorinsky, Eldon J.; Virkus, Robert L.; Bean, Kenneth E.; and Yeakley, Richard L., 4,849,370, Cl. 437-71.000.
Stierman, Roger J.; McCauley, Archie N.; and Zart, Robert C., 4,861,452, Cl. 204-297.00W.
Stierman, Roger J.; McCauley, Archie N.; and Zart, Robert C., 4,874,476, Cl. 204-15.000.
Strong, Bob D., 4,851,715, Cl. 307-456.000.
Strott, Douglas B.; and Kawate, Keith W., 4,876,899, Cl. 73-862.330.
Szczepanek, Andre, 4,866,421, Cl. 340-825.520.
Szdzepanek, Andre; and Buchanan, George, 4,884,286, Cl. 375-118.000.
Tai, Jy-Der; and Chiu, Edison, 4,815,039, Cl. 365-189.000.
Takuma, Michio, 4,810,948, Cl. 323-280.000.
Tang, Thomas E.; Wei, Che-Chia; Haken, Roger A.; and Chapman, Richard A., 4,890,141, Cl. 357-23.300.
Taylor, Ronald T.; Giles, George A.; and David, Doran, 4,862,018, Cl. 307-443.000.
Teng, Clarence W.; Doering, Robert R.; and Shah, Ashwin H., 4,830,978, Cl. 437-52.000.
Teng, Clarence W.; Chen, Cheng-Eng D.; and Mao, Bor-Yen, 4,864,375, Cl. 357-23.600.
Teng, Clarence W.; and Haken, Roger A., 4,890,147, Cl. 357-23.110.
Tennant, Harry R.; Ross, Kenneth M.; and Saenz, Richard M., 4,829,423, Cl. 364-200.000.
Thatte, Satish M., 4,814,971, Cl. 364-200.000.
Thatte, Satish M.; and Oxley, Donald W., 4,853,842, Cl. 364-200.000.
Thompson, Herbert A.; Tomlinson, Paul R.; Dropps, Kevin J; and Mancini, Ronald A., 4,843,295, Cl. 318-786.000.
Tigelaar, Howard L.; Paterson, James L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,076, Cl. 357-[illegible]1.000.
Tigelaar, Howard L.; Haken, Roger A.; and Holloway, Thomas C., 4,811,078, Cl. 357-54.000.
Tigelaar, Howard L.; Haken, Roger A.; Holloway, Thomas C.; and Groover, Robert, III, 4,814,854, Cl. 357-67.000.
Tigelaar, Howard L.; and Riemenschneider, Bert R., 4,827,323, Cl. 357-51.000.
Tigelaar, Howard L.; Mitchell, Allan T.; Riemenschneider, Bert R.; and Paterson, James L., 4,839,705, Cl. 357-23.500.
Tomassetti, Stephen R., 4,825,275, Cl. 357-43.000.
Tomkinson, Donald; and d'Entremont, John R., 4,879,805, Cl. 29-622.000.
Tonooka, Takashi, 4,838,799, Cl. 439-70.000.
Tonooka, Takashi; and Katsumata, Toshimitsu, 4,859,191, Cl. 439-79.000.
Tonooka, Takashi, 4,883,428, Cl. 439-69.000.
Tran, Hiep V., 4,814,647, Cl. 307-482.000.
Tran, Hiep V., 4,825,413, Cl. 365-189.000.
Tran Hiep V., 4,831,596, Cl. 365-230.060.
Tran, Hiep V., 4,862,421, Cl. 365-189.070.
Tran, Hiep V., 4,866,674, Cl. 365-189.110.
Tran, Hiep V., 4,883,979, Cl. 307-446.000.
Trenkler, George; and Delagi, Richard G., 4,885,214, Cl. 428-614.000.
Trenkler, George; Delagi, Richard G.; Padovani, Francois A.; and Winslow, Donald L., 4,890,083, Cl. 335-301.000.
Van Aken, Jerry; and Guttag, Karl, 4,799,053, Cl. 340-703.000.
Van Aken, Jerry; and Guttag, Karl, 4,825,390, Cl. 364-526.000.
Van Den Elst, Fredrik M. N.; and Bakker, Jan, 4,881,508, Cl. 123-549.000.
Van Der Ploeg, Arie; Van Wechem, Gustaaf L.; and Dull, Benjamin C. W., 4,834,053, Cl. 123-549.000.
Verret, Douglas P.; Smayling, Michael C.; Sachdeva, Abnash C.; and Keller, Stephen A., 4,797,372, Cl. 437-034.000.
Verret, Douglas P.; Brighton, Jeffrey E.; Hollingsworth, Deems R.; and Torreno, Manuel L., Jr., 4,799,099, Cl. 357-50.000.
Wagers, Robert S., 4,870,376, Cl. 333-150.000.
Wallace, Barry M.; and Fasolino, Ross, 4,879,814, Cl. 33-234.000.
Wan, Chang-Feng; Tung, Yingsheng; and Frank, Steven N., 4,807,004, Cl. 357-24.000.
Wang, I-Fay F., 4,825,142, Cl. 323-314.000.
Ward, Morris D.; and Williams, Kenneth L., 4,829,475, Cl. 365-78.000.
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- Gossen, Richard N., Jr.; Bruncke, William C.; and Baker, Gordon D., 4,883,543, Cl. 437-37.000.

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- Arnold, Ronald D.; Atol, Gerald R.; and Baker, Samuel F., 4,854,383, Cl. 166-70.000.
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- Modisette, J. Everett; and Johnson, R. Barry, 4,820,929, Cl. 250-504.00R.
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- Ross, J. David, 4,862,172, Cl. 341-157.000.

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- Orlosky, Henry A., 4,834,749, Cl. 623-6.000.

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- Engel, Harald, 4,819,350, Cl. 38-30.000.

Texmark Enterprises, Inc.: *See—*
- Powell, Mark A., 4,887,549, Cl. 119-29.000.

Texo Corporation: *See—*
- Pekar, Howard G.; Kinkelaar, Edmund W.; and Gira, Gerald T., 4,849,264, Cl. 427-388.100.

- Texsa, S.A.: *See—*
  - Codina, Francisco C., 4,840,839, Cl. 428-240.000.
- Texscan Corporation: *See—*
  - Dumbauld, Lewis D.; and Tash, Gilbert L., 4,823,386, Cl. 380-13.000.
  - Wagner, R. Steven, 4,812,779, Cl. 330-149.000.
- Text Lite B.V.: *See—*
  - Krop, Hugo K., 4,831,293, Cl. 310-49.00R.
- Textilma AG: *See—*
  - Muller, Jakob, 4,830,064, Cl. 139-437.000.
- Textilmaschinenfabrik Dr. Ernst Fehrer Aktiengesellschaft: *See—*
  - Kis, Ludwig, 4,856,152, Cl. 28-114.000.
- Textron Inc.: *See—*
  - Allen, Frank R.; and Hopkins, John, 4,846,588, Cl. 383-41.000.
  - Bert, Stephen F., 4,837,901, Cl. 24-265.00B.
  - Bidanset, Edward J., 4,834,784, Cl. 55-385.700.
  - Bidanset, Edward J., 4,838,909, Cl. 55-385.700.
  - Boshier, Geoffrey, 4,837,615, Cl. 358-100.000.
  - Clark, Leonard R., 4,807,580, Cl. 123-398.000.
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  - Crigger, Edward C., 4,827,756, Cl. 72-377.000.
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  - Suchdev, Lakhbir S.; and Campbell, Jack E., 4,821,859, Cl. 192-105.0CD.
  - Tatar, Richard, 4,826,252, Cl. 301-37.0CD.
  - Witzigman, James W., 4,869,629, Cl. 411-38.000.
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  - Paley, Steven J.; Eberhardt, Clifford A.; and Paley, Edward, 4,888,229, Cl. 428-192.000.
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- Tezuka, Akira: *See—*
  - Horiguchi, Hyosei; Tezuka, Akira; and Seki, Shuuichi, 4,852,639, Cl. 165-42.000.
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- Tezuka, Hideharu: *See—*
  - Matsumura, Ken; and Tezuka, Hideharu, 4,831,483, Cl. 361-98.000.
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  - Araki, Junichi; Saito, Nobuhiro; Tezuka, Hidenori; and Saito, Masuhiro, 4,840,608, Cl. 474-205.000.
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  - Fujiki, Haruo; and Tezuka, Kazunari, 4,884,650, Cl. 180-197.000.
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  - Nakajima, Toshio; Kumatani, Hiroshi; Miyazaki, Masayuki; and Tezuka, Kazuo, 4,819,502, Cl. 74-572.000.
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- Tezuka, Shigeru, to Fuji Photo Film Co., Ltd. Method of producing gel sheet for electrophoresis. 4,861,411, 8-29-89, Cl. 156-344.000.
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  - Kido, Keishiro; and Tezuka, Sigeru, 4,869,114, Cl. 73-864.240.
- Tezuka, Tokuya: *See—*
  - Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuiichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.
- Tezuka, Tomofumi; and Isono, Kazuaki, to Mitsubishi Denki Kabushiki Kaisha. Room air conditioner. 4,795,089, 1-3-89, Cl. 236-49.000.
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  - Kayane, Yutaka; Omura, Takashi; Tezuka, Yasuo; and Sone, Hideharu, 4,841,027, Cl. 534-599.000.
  - Kayane, Yutaka; Otake, Katsumasa; and Tezuka, Yasuo, 4,841,031, Cl. 534-638.000.
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  - Tepley, George L.; and Tepley, George T., 4,850,053, Cl. 2-161.00R.
- Th. Goldschmidt AG: *See—*
  - Bade, Volkbert, 4,832,871, Cl. 252-546.000.
  - Bade, Volkbert, 4,861,517, Cl. 252-546.000.
  - Berger, Roland; Fink, Hans-Ferdi; and Klocker, Otto, 4,804,737, Cl. 528-26.000.
  - Burkhart, Georg; Moring, Volker; and Schaefer, Dietmar, 4,837,244, Cl. 521-114.000.
  - Esselborn, Eberhard; and Fock, Jurgen, 4,868,262, Cl. 526-273.000.
  - Esselborn, Eberhard; and Fock, Jurgen, 4,880,906, Cl. 528-403.000.
  - Fink, Hans-Ferdi; Koerner, Gotz; Berger, Roland; and Weitemeyer, Christian, 4,824,983, Cl. 556-454.000.
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  - Gruning, Burghard; Holtschmidt, Ulrich; Koerner, Gotz; and Rossmy, Gerd, 4,844,980, Cl. 428-405.000.
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  - Ruf, Erich, 4,803,099, Cl. 427-314.000.
  - Ruf, Erich, 4,806,362, Cl. 427-389.700.
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  - Ruf, Erich, 4,847,121, Cl. 427-389.700.
  - Schaefer, Dietmar; and Krakenberg, Manfred, 4,833,225, Cl. 528-28.000.
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  - Ward, Robert S., Jr., 4,861,830, Cl. 525-92.000.
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  - Parkander, Gothe A. C., 4,846,454, Cl. 270-5.000.
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- Thackara, John I.: *See—*
  - Armitage, David; and Thackara, John I., 4,826,553, Cl. 156-233.000.
- Thacker, Derek A., to Tag Investments, Inc. Fire extinguisher. 4,826,610, 5-2-89, Cl. 252-8.000.
- Thacker, Paul F.: *See—*
  - Marker, Edwin M.; Thacker, Paul F.; and Knopfhart, Peter K., 4,855,110, Cl. 422-102.000.
- Thackray, Malcolm: *See—*
  - Brodie, Ivor; and Thackray, Malcolm, 4,818,649, Cl. 430-21.000.
- Thackston, Clyde D., to Allen-Bradley Company, Inc. Torque control actuator. 4,875,528, 10-24-89, Cl. 173-12.000.
- Thai, Cao M.: *See—*
  - Sakamoto, Tsuguo; Kurematsu, Kazuhiko; Mikogami, Yukihiro; Suzuki, Shuichi; and Thai, Cao M., 4,829,134, Cl. 525-523.000.
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- Thaisrivongs, Suvit, to Upjohn Company, The. Dihalo-statine substituted renin inhibitors. 4,882,420, 11-21-89, Cl. 530-330.000.
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- Thakoor, Aniklumar P.: *See—*
  - Ramesham, Rajeshuni; Thakoor, Sarita; Daud, Taher; and Thakoor, Aniklumar P., 4,839,700, Cl. 357-2.000.

- Thakoor, Anilkumar P.; Lambe, John; and Moopen, Alexander, to California Institute of Technology. Thin film memory matrix using amorphous and high resistive layers. 4,876,668, 10-24-89, Cl. 365-163.000.
- Thakoor, Anilkumar P.: *See—*
  - Moopenn, Alexander W.; Thakoor, Anilkumar P.; and Lambe, John J., 4,807,168, Cl. 364-602.000.
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- Thakore, Yatin B.; Swanson, Karen L.; and Stoy, Vladimir A., to Kingston Technologies, Inc. Pressure-dependent anisotropic-transport membrane system. 4,828,705, 5-9-89, Cl. 210-636.000.
- Thakrar, Anil C.; and Lundergan, Robert G., to AMP Incorporated. Sealed connector having unitary molded housing. 4,832,615, 5-23-89, Cl. 439-272.000.
- Thakur, Madhukar N.: *See—*
  - Kuchimanchi, Ravi; and Thakur, Madhukar N., 4,872,682, Cl. 273-153.00S.
- Thakur, Mrinal: *See—*
  - Greene, Benjamin I.; Tai, Kuochou; and Thakur, Mrinal, 4,871,235, Cl. 350-354.000.
- Thal, Claude: *See—*
  - Hugelin, Andre; and Thal, Claude, 4,835,184, Cl. 514-554.000.
- Thalen, Bror A.: *See—*
  - Andersson, Paul H.; Andersson, Per T.; Axelsson, Bengt I.; Thalen, Bror A.; and Trofast, Jan W., 4,804,656, Cl. 514-179.000.
  - Brattsand, Ralph L.; and Thalen, Bror A., 4,820,700, Cl. 514-174.000.
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- Thalenfeld, David R., to Trion Industries Inc. Two-part shelf hook. 4,871,135, 10-3-89, Cl. 248-221.400.
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  - Dallas, Stanley A., Jr., 4,812,746, Cl. 324-121.00R.
- Thalmann, Alfred; and Thalmann, Jurg, to Georg Fischer Aktiengesellschaft. Tool assembly for circumferential cutting of cylindrical pipe members. 4,825,543, 5-2-89, Cl. 30-96.000.
- Thalmann, Alred: *See—*
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- Thalmann, Ernest H.: *See—*
  - Eager, George S., Jr.; Fryszczyn, Bogdan; and Thalmann, Ernest H., 4,888,886, Cl. 34-104.000.
- Thalmann, Jurg: *See—*
  - Thalmann, Alfred; and Thalmann, Jurg, 4,825,543, Cl. 30-96.000.
- Thame, Neville, to Peri-Oral Dental Products, Inc. Use of periwinkle in oral hygiene. 4,853,213, 8-1-89, Cl. 424-58.000.
- Thame Pharmacal Co., Inc.: *See—*
  - Blackman, Steven T.; and Ralske, Irene, 4,883,660, Cl. 424-78.000.
  - Garlen, David; and Desai, Vivek, 4,831,023, Cl. 514-169.000.
- Thames Water Authority: *See—*
  - Crossley, Alan M., 4,831,887, Cl. 73-864.340.
- Thamm, Horst-Dieter: *See—*
  - Erdmann, Fritz; Thamm, Horst-Dieter; and Staudt, Hans-Joachim, 4,873,169, Cl. 430-192.000.
- Thampi, Krishnan R.: *See—*
  - Gratzel, Michael; Kiwi, John; and Thampi, Krishnan R., 4,847,231, Cl. 502-74.000.
- Thanawalla, Chandrakant B.: *See—*
  - Chan, Dominic M.; El-Sayed, Lyla M.; Thanawalla, Chandrakant B.; and Trout, Torence J., 4,886,726, Cl. 430-115.000.
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- Thanh, Huy P.: *See—*
  - Cloetens, Rudolpha C.; Lidy, Werner A.; and Thanh, Huy P., 4,883,832, Cl. 524-265.000.
  - Lidy, Werner A.; and Thanh, Huy P., 4,831,076, Cl. 524-701.000.
- Thanisch, Klaus, to Zeller Plastik Koehn, Graebner & Co. Plastic threaded sleeve. 4,877,144, 10-31-89, Cl. 215-330.000.
- Thaniyavarn, Suwat, to TRW Inc. Electrooptical switch and modulator. 4,820,009, 4-11-89, Cl. 350-96.130.
- Thaniyavarn, Suwat, to TRW Inc. Electrooptically tunable phase-locked laser array. 4,878,724, 11-7-89, Cl. 350-96.140.
- Thanner, Arthut. Ankle supporting sleeve. 4,878,505, 11-7-89, Cl. 128-882.000.
- Thannheiser, Axel: *See—*
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- Thanos, Jordanes: *See—*
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- Tharp, Charles E., to Ashbrook-Simon-Hartley Corp.; and Simon-Hartley. Biomass growth process with separate aeration and media compartments. 4,839,053, 6-13-89, Cl. 210-616.000.
- Tharp, Charles E. Apparatus for aerating and mixing waste water. 4,842,732, 6-27-89, Cl. 210-220.000.
- Tharp, Douglas B.: *See—*
  - Myers, Larry F.; Tharp, Douglas B.; and Hoil, Ralph H., 4,878,437, Cl. 105-451.000.
- Tharp, Gene E.: *See—*
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- Thatcher, Alan J. Spin trimming machine with object positioning. 4,876,930, 10-31-89, Cl. 82-46.000.
- Thatcher, Donald N.: *See—*
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- Thatcher, G. Lawrence: *See—*
  - Loewenthal, Bernard; and Thatcher, G. Lawrence, 4,886,454, Cl. 433-72.000.
- Thatcher, Herbert vH.; Mursinna, Richard C.; and Tackabery, Richard E., to Honeywell Inc. Underwater bubble camera. 4,860,038, 8-22-89, Cl. 354-64.000.
- Thatcher, Mark R.: *See—*
  - Kernon, John D.; Langley, Kenneth R.; and Thatcher, Mark R., 4,854,821, Cl. 416-95.000.
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- Thatte, Satish M., to Texas Instruments Incorporated. Virtual memory recovery system using persistent roots for selective garbage collection and sibling page timestamping for defining checkpoint state. 4,814,971, 3-21-89, Cl. 364-200.000.
- Thatte, Satish M.; and Oxley, Donald W., to Texas Instruments Incorporated. Computer memory system having persistent objects. 4,853,842, 8-1-89, Cl. 364-200.000.
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  - McEntee, Timothy J.; Bloemer, Robert W.; Oxley, Donald W.; and Thatte, Satish M., 4,797,810, Cl. 364-200.000.
- Thau, Wolfgang, to Magna International Inc. Compensating escutcheon plate for car door. 4,875,726, 10-24-89, Cl. 292-337.000.
- Thaw, Charles L.: *See—*
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- Thaw, Martin: *See—*
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  - Leslie, Bruce E.; Shadle, Paul N.; and Wolf, Herman C., 4,820,474, Cl. 376-203.000.
- Thay, Ching H. Collapsible folding bicycle assembly. 4,824,131, 4-25-89, Cl. 280-278.000.
- Thayer, Billy E.: *See—*
  - Kalata, Steven; Reid, Donald M.; Brown, Charles A.; and Thayer, Billy E., 4,864,216, Cl. 323-315.000.
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  - Lange, Clark V.; Thayer, Bruce E.; and Wysocky, John M., 4,819,026, Cl. 355-15.000.
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- Thayer, Donald O., Jr. Photography booth and method. 4,804,983, 2-14-89, Cl. 354-76.000.
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  - Theault, Yves L., 4,800,691, Cl. 52-90.000.

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  - Miller, George W.; and Theis, Clarence F., 4,813,979, Cl. 55-25.000.
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- Thermal Technologies, Inc.: *See—*
  - Bowman, Harry F.; and Newman, William H., 4,852,027, Cl. 364-557.000.
- Thermalloy Incorporated: *See—*
  - Breese, Leonard S., 4,806,064, Cl. 411-479.000.
  - Hinshaw, Howard G., 4,879,891, Cl. 72-254.000.
  - Hinshaw, Howard G., 4,884,331, Cl. 29-558.000.
  - Hinshaw, Howard G., 4,890,196, Cl. 361-388.000.
  - Jordan, William D.; and Clemens, Donald L., 4,847,449, Cl. 174-138.00G.
- Thermapeutics, Inc.: *See—*
  - Chiurco, Anthony A.; and Littman, Michael G., 4,860,748, Cl. 128-399.000.
- Thermatool Corporation: *See—*
  - Rudd, Wallace C.; Udall, Humfrey N.; and Harriau, Robert R., 4,845,326, Cl. 219-8.500.
- Thermco Systems, Inc.: *See—*
  - Yu, Chorng-Tao; Fisk, Michael A.; and Emami, Alan, 4,886,954, Cl. 219-390.000.

Therme, Inc.: *See—*
- Chen, Tung C., 4,845,342, Cl. 219-501.000.

Thermedics, Inc.: *See—*
- Fine, David H., 4,843,016, Cl. 436-106.000.
- Poirier, Victor L.; Dasse, Kurt A.; Bowen, Mark A.; and Daly, Benedict D. T., 4,886,502, Cl. 604-175.000.
- Szycher, Michael; and Rolfe, Jonathan L., 4,880,690, Cl. 428-224.000.

Thermic Designs Limited: *See—*
- Ball, Kenneth J.; and Stanistreet, Brian, 4,827,629, Cl. 34-104.000.

Thermit Australia Pty. Limited: *See—*
- Moller, Ronald H.; and Batty, Alan K., 4,875,657, Cl. 249-86.000.

Thermo-Aire Systems, Inc.: *See—*
- Fairchild, Paul W.; Claney, Jim L.; Fields, William G.; Bishop, Louis, Jr.; and Fly, Mark W., 4,876,949, Cl. 98-40.100.

Thermo Blender Inc.: *See—*
- Bennett, James R., 4,887,909, Cl. 366-199.000.
- Bennett, James R., 4,889,248, Cl. 215-100.00R.

Thermo Electron Web Systems, Inc.: *See—*
- Dunlap, Harold E., 4,802,928, Cl. 134-15.000.
- Goodnow, Ronald F., 4,889,035, Cl. 91-275.000.
- Hagen, Kenneth G.; Fontain, E. Sam; Fadden, David J.; and Henshilwood, William L., 4,848,633, Cl. 226-97.000.
- Taylor, Bruce F., 4,867,054, Cl. 100-93.0RP.

Thermo Jarrell Ash Corporation: *See—*
- Sainz, Mario A.; Anderson, Richard C., Jr.; Belmore, Richard J.; and Smith, Stanley B., Jr., 4,804,519, Cl. 422-81.000.

Thermo King Corporation: *See—*
- Arndt, Warren D., 4,885,916, Cl. 62-244.000.
- Brown, Ronald W., 4,888,959, Cl. 62-244.000.
- Gustafson, Alan D.; and Unger, Richard F., 4,802,342, Cl. 62-239.000.
- Hanson, Jay L., 4,819,441, Cl. 62-160.000.
- Hanson, Jay L.; and Howland, Leland L., 4,878,465, Cl. 123-179.0BG.
- Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; Leinum, Virgil D.; and Niemi, Thomas J., 4,834,401, Cl. 280-833.000.
- Harrington, Robert L.; Feldhake, Dennis F.; Ellingson, Bradley G.; and McClellan, Bruce E., 4,834,572, Cl. 403-316.000.
- Harrington, Robert L.; Larson, Terry G.; and Unger, Richard F., 4,842,227, Cl. 248-56.000.
- Johnson, Richard A.; Anderson, Arthur A.; and Boomgaard, Dirk J., 4,885,563, Cl. 340-310.00A.
- Mayer, Donald K., 4,811,571, Cl. 62-474.000.
- Mayer, Donald K., 4,846,327, Cl. 192-84.00C.
- Taylor, David H.; and Sjoholm, Lars I., 4,850,197, Cl. 62-81.000.
- Vercellotti, Leonard C.; Anderson, Arthur A.; Christiansen, David A.; Johnson, Dannis R.; Brickner, Laurence R.; Colclaser, Robert G., III; and Leddy, John G., 4,885,564, Cl. 340-310.00A.
- Viegas, Herman H., 4,878,360, Cl. 62-239.000.
- Welch, Dennis E.; and Waldschmidt, William L., 4,811,569, Cl. 62-239.000.

Thermo-Rite Manufacturing Company: *See—*
- Rinker, Carl G.; Lyren, Robert E.; and Repasky, Ray M., 4,827,902, Cl. 126-548.000.

Thermo-Watt Stromerzeugungsanlagen GmbH: *See—*
- Dammers, Helmut; and Dammers, Dieter, 4,843,273, Cl. 310-306.000.

Thermocell, Ltd.: *See—*
- Schnebly, John T., 4,885,190, Cl. 427-207.100.

Thermoid, Inc.: *See—*
- Everson, Richard W., 4,805,964, Cl. 300-21.000.

Thermolytic Decomposer: *See—*
- Galloway, Terry R., 4,874,587, Cl. 422-189.000.

Thermolytica Corporation: *See—*
- Galloway, Terry R.; Green, Thomas J.; and Criswell, Dennis M., 4,863,702, Cl. 422-189.000.

Thermomass Technology, Inc.: *See—*
- Long, Robert T., 4,805,366, Cl. 52-309.110.
- Long, Robert T., 4,829,733, Cl. 52-309.110.

Thermometrics, Inc.: *See—*
- Demarest, Philip C., 4,886,070, Cl. 128-675.000.

Thermonetics Corporation: *See—*
- Sabin, Cullen M., 4,796,471, Cl. 73-295.000.

Thermonics Incorporated: *See—*
- Kufis, James C.; and Semken, Robert S., 4,870,355, Cl. 324-158.00F.

Thermos, Michael J.: *See—*
- Vaznaian, Dale L.; and Thermos, Michael J., 4,798,190, Cl. 123-531.000.
- Vaznaian, Dale L.; and Thermos, Michael J., 4,827,888, Cl. 123-531.000.

Thermoscan Inc.: *See—*
- Fraden, Jacob, 4,797,840, Cl. 364-557.000.

Thermostat-und Schaltgeratebau GmbH Co. KG: *See—*
- Hollweck, Walter, 4,839,626, Cl. 337-377.000.

Thermotek, Inc.: *See—*
- Webster, Sherwood F., 4,866,947, Cl. 62-196.400.

Thern, Royal G.: *See—*
- McIntosh, R. Bruce; and Thern, Royal G., 4,884,783, Cl. 254-343.000.

Therond, Jean-Francois: *See—*
- Cretin, Jacques; Therond, Jean-Francois; and Saussier, Daniel, 4,862,425, Cl. 367-33.000.

Therond, Michel, to Manufacture D'Appareillage Electrique de Cahors. Insulating equipment for an electric line pole and method for making it. 4,867,399, 9-19-89, Cl. 248-65.000.

Theros, Brian S., to Klein Tools Corporation. Working clamshell blister package for pliers or similar hand tools. 4,872,551, 10-10-89, Cl. 206-349.000.

Therrian, Matthew A.: *See—*
- Osgood, Wayne R., Jr.; and Therrian, Matthew A., 4,855,187, Cl. 428-516.000.

Therriault, Donald J.; Olach, Robert G.; and Biersteker, John S., to Hollister Incorporated. Adhesive-lined elastic condom cathether. 4,863,449, 9-5-89, Cl. 604-352.000.

Therrien, John L. Blue-box fraud prevention. 4,885,767, 12-5-89, Cl. 379-189.000.

Thery, Pierre; Leclercq, Didier; and Herin, Philippe, to Agence Nationale de Valorisation de la Recherche. Device for measuring the intensity of a radiative flux and optionally also measuring the intensity of a convective flux. 4,850,713, 7-25-89, Cl. 374-30.000.

Thesing, Richard A.: *See—*
- Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Burnett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., 4,874,000, Cl. 131-375.000.

Theta Technologies, Inc.: *See—*
- McCarthy, Walton, 4,884,709, Cl. 220-5.00A.

Thetford Corporation: *See—*
- Antos, John M.; and Cameron, David B., 4,805,660, Cl. 137-202.000.
- Cameron, David B., 4,850,064, Cl. 4-321.000.
- Cameron, David B., 4,888,832, Cl. 4-321.000.

Theuer, Rudolf: *See—*
- Nowak, Gerhard; Kruschik, Klaus; Morbitzer, Hans P.; Theuer, Rudolf; and Winter, Alfred, 4,880,252, Cl. 280-618.000.

Theuninck, Duane H.; and Downs, Daniel, to Cargill Incorporated. Animal feed composition and method of making same. 4,851,244, 7-25-89, Cl. 426-74.000.

Theurant, Gilbert: *See—*
- Champain, Roger; and Theurant, Gilbert, 4,827,922, Cl. 128-204.210.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Tie exchange method. 4,794,861, 1-3-89, Cl. 104-2.000.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Track leveling and ballast tamping machine. 4,794,862, 1-3-89, Cl. 104-7.200.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile ballast cleaning apparatus. 4,799,430, 1-24-89, Cl. 104-2.000.

Theurer, Josef; Hansmann, Johann; and Worgotter, Herbert, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile tie gang apparatus. 4,809,614, 3-7-89, Cl. 104-7.200.

Theurer, Josef; and Hansmann, Johann, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Box car. 4,809,617, 3-7-89, Cl. 105-239.000.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Ballast cleaning machine. 4,813,488, 3-21-89, Cl. 171-16.000.

Theurer, Josef; Praschl, Wilhelm; and Peitl, Friedrich, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile machine for leveling, lining and tamping a track switch. 4,825,768, 5-2-89, Cl. 104-7.200.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile installation for loading, transporting and unloading as well as exchanging railroad ties. 4,829,907, 5-16-89, Cl. 104-5.000.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile machine for distributing and shaping the ballast bed of a railroad track. 4,835,887, 6-6-89, Cl. 37-104.000.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile track renewal machine. 4,854,243, 8-8-89, Cl. 104-7.300.

Theurer, Josef; and Brunninger, Manfred, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile ballast cleaning machine. 4,858,696, 8-22-89, Cl. 171-16.000.

Theurer, Josef; and Worgotter, Herbert, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile tie gang apparatus and tie exchange method. 4,862,806, 9-5-89, Cl. 104-7.200.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile tie exchange machine arrangement. 4,878,435, 11-7-89, Cl. 104-9.000.

Theurer, Josef, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Continuously advancing track maintenance or rehabilitation machine. 4,881,467, 11-21-89, Cl. 104-7.200.

Theurer, Josef; Hansmann, Johann; and Oellerer, Friedrich, to Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Mobile tie gang apparatus. 4,884,509, 12-5-89, Cl. 104-9.000.

Theus, John G., to Tektronix, Inc. Interface system which generates configuration control signal and duplex control signal for automatically determining the configuration of removable modules. 4,825,404, 4-25-89, Cl. 364-900.000.

Theus, Ulrich; and Orben, Hans-Josef, to Deutsche ITT Industries GmbH. Clocked CMOS circuit with at least one CMOS switch. 4,801,819, 1-31-89, Cl. 307-269.000.

Theus, Ulrich; and O'Leary, Paul, to Deutsche ITT Industries GmbH. Current switch. 4,810,912, 3-7-89, Cl. 307-585.000.

Theus, Ulrich; and Giebel, Burkhard, to Deutsche ITT Industries GmbH. Protective arrangement for MOS circuits. 4,882,610, 11-21-89, Cl. 357-23.130.

Theus, Ulrich: *See—*
- Giebel, Burkhard; and Theus, Ulrich, 4,803,657, Cl. 365-221.000.
- Lee, Peter; and Theus, Ulrich, 4,817,030, Cl. 364-784.000.

Thevenet, Guy, to Ceraver, S.A. Method of connecting a metal end fitting to an insulator component having an elastomer end fin and an organic electrical insulator obtained by the method. 4,885,039, 12-5-89, Cl. 156-294.000.

Thevenet, Guy: *See—*
- Thuillier, Denis; and Thevenet, Guy, 4,864,456, Cl. 361-126.000.

Thevenin, Jean-Claude: *See—*
- Aurouet, Claude; Blumenfeld, Henry; Bourdinaud, Michel; Calvet, Jean; Cavan, Jean-Claude; Meyer, Joao; and Thevenin, Jean-Claude, 4,812,013, Cl. 350-96.290.

Thevenin, Michel, to Novatome. Emergency cooling device for a fast neutron nuclear reactor. 4,832,904, 5-23-89, Cl. 376-299.000.

Thevenin, Nicole: *See—*
- Born, Maurice; Lallement, Jacques; Marchand, Pierre; Parc, Guy; and Thevenin, Nicole, 4,882,446, Cl. 556-25.000.

Thevenon, Alain, to Instruments S.A. Diffraction apparatus with correcting grating and method of making. 4,842,353, 6-27-89, Cl. 350-3.700.

Thevenon, Henri, to Les Cables de Lyon. Apparatus for measuring temperature at a hot point along an electrical energy transmission cable. 4,819,250, 4-4-89, Cl. 374-104.000.

Thevenon, Henri: *See—*
- Fosse, Raymond; and Thevenon, Henri, 4,833,275, Cl. 174-21.00R.

Thew, Martin T.; and Colman, Derek A. Cyclone separator. 4,849,107, 7-18-89, Cl. 210-512.100.

Thew, Martin T.: *See—*
- Colman, Derek A.; and Thew, Martin T., 4,810,382, Cl. 210-512.100.

Thews, Wolfgang: *See—*
- Hieber, Hartmann; and Thews, Wolfgang, 4,817,277, Cl. 29-832.000.

Theysohn, Rainer: *See—*
- Plachetta, Christoph; Reimann, Horst; Theysohn, Rainer; and Mietzner, Franz G., 4,847,330, Cl. 525-182.000.
- Zahradnik, Franz; Ulmerich Karlheinz; McKee, Graham E.; Reimann, Horst; Pflueger, Richard; and Theysohn, Rainer, 4,837,264, Cl. 524-381.000.

Thibault, Joseph A.: *See—*
- Weaver, Kim A.; Jones, James M.; and Thibault, Joseph A., 4,889,149, Cl. 137-1.000.

Thibault, Lawrence E.: *See—*
- Winston, Flaura K.; Thibault, Lawrence E.; and Macarak, Edward J., 4,851,354, Cl. 435-284.000.

Thibault, Paul A.: *See—*
- Bouchard, Andre C.; and Thibault, Paul A., 4,836,816, Cl. 445-51.000.

Thibaut, Jean-Pierre; Tezenas, Philippe; and Vitian, Iancu, to Eschem, S.A. Heat-meltable polymer for use as adhesive agent, method for manufacturing the same and application thereof for the gluing of substrate materials. 4,814,413, 3-21-89, Cl. 528-80.000.

Thibeault, David E., to Digital Equipment Corporation. Method and apparatus for testing linear motion devices. 4,846,006, 7-11-89, Cl. 73-865.900.

Thibedeau, Dennis G.: *See—*
- Sniegowski, John C.; Govekar, Craig F.; Thibedeau, Dennis G.; and Geisler, Ron D., 4,847,563, Cl. 324-402.000.

Thibodeau, Andre . Bearing assembly for rocking chair. 4,854,744, 8-8-89, Cl. 384-295.000.

Thibodeaux, L. J.: *See—*
- Guillot, Walter K.; and Brinkman, Robert D., 4,879,590, Cl. 358-10.000.

Thibos, Patricia A., to Dow Chemical Company, The. Assembly comprising a foraminous core, resinous tubesheet and self-locking, helically wound, hollow fiber bundle. 4,824,566, 4-25-89, Cl. 210-321.870.

Thibos, Patricia A., to Dow Chemical Company, The. Method of making an assembly comprising a foraminous core, self-locking, helically wound, hollow fiber bundle. 4,838,970, 6-13-89, Cl. 156-169.000.

Thie, Matthew G.; and Miller, James D., to Standard Change-Makers, Inc. Multiple-compartment currency stacker-sorter. 4,844,446, 7-4-89, Cl. 271-296.000.

Thiebaut, Marie-Florence: *See—*
- Gourlia, Jean P.; and Thiebaut, Marie-Florence, 4,826,574, Cl. 202-158.000.

Thieken, Michael L.: *See—*
- Asbell, Walter E.; and Thieken, Michael L., 4,812,794, Cl. 335-151.000.

Thiel, Charles G., to Minnesota Mining and Manufacturing Company. Apparatus and methods for delivering a predetermined amount of a pressurized fluid. 4,819,834, 4-11-89, Cl. 222-355.000.

Thiel, Clifford G.: *See—*
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,811,136, Cl. 361-79.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,812,943, Cl. 361-92.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,814,934, Cl. 361-88.000.
- Jones, Gregory D.; Owens, William R.; Thiel, Clifford G.; and Danby, Clive M., 4,879,624, Cl. 361-65.000.

Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, to Kabushiki Kaisha Toshiba. System for providing data for an external circuit and related method. 4,884,196, 11-28-89, Cl. 364-200.000.

Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, to Kabushiki Kaisha Toshiba. Image processor. 4,887,211, 12-12-89, Cl. 364-413.130.

Thiel, Geoffrey L.: *See—*
- Baldwin, David R.; and Thiel, Geoffrey L., 4,827,413, Cl. 364-413.190.

Thiel, Gerhard: *See—*
- Quittkat, Joerg; and Thiel, Gerhard, 4,882,539, Cl. 324-229.000.

Thiel, Norbert; Gerstle, Volker; Zondler, Rolf; and Lederle, Otto, to Nokia Graetz GmbH. Color picture tube having internal conductive coatings. 4,827,185, 5-2-89, Cl. 313-479.000.

Thiel, Peter H.; Mercier, George E.; and Pruett, Michael D., to Westinghouse Electric Corp. Method of making a multi-section power capacitor with all-film dielectric. 4,813,116, 3-21-89, Cl. 29-25.420.

Thiel, Rudolf, to Alfred Teves GmbH. Spot-type disc brake with a radially acting spring. 4,805,745, 2-21-89, Cl. 188-73.310.

Thiel, Rudolf; Klimt, Ulrich; and Kast, Helmut, to Alfred Teves GmbH. Spot-type disc brake. 4,856,620, 8-15-89, Cl. 188-72.400.

Thiel, Rudolf; Klimt, Ulrich; and Zaviska, Dalibor, to Alfred Teves GmbH. Brake pad retention spring, in particular for spot-type disc brakes for automotive vehicles. 4,858,728, 8-22-89, Cl. 188-73.310.

Thiel, Tamiko; Clayton, Richard; Feyman, Carl; Hillis, W. Daniel; and Kahle, Brewster, to Thinking Machines Corporation. Method and apparatus for interconnecting processors in a hyper-dimensional array. 4,805,091, 2-14-89, Cl. 364-200.000.

Thiel, Timothy E.: *See—*
- Saulnier, Gary J.; Herrera, Randy G.; and Thiel, Timothy E., 4,878,029, Cl. 329-341.000.

Thiele, Alfred A. Micromagnetic memory package. 4,884,235, 11-28-89, Cl. 365-2.000.

Thiele Engineering Company: *See—*
- Beck, Charles C.; and Anderson, Gregory S., 4,817,779, Cl. 198-365.000.

Thiele, Hartmut; and Mauser, Heinz, to Agfa-Gevaert Aktiengesellschaft. Suspension device for a container. 4,883,175, 11-28-89, Cl. 206-387.000.

Thiele, Hartmut; and Toral, Jose, to Agfa-Gevaert Aktiengesellschaft. Multiple packing for magnetic tapes wound on cores. 4,883,178, 11-28-89, Cl. 206-391.000.

Thiele, Jurgen; and Zeikus, Joseph G., to Michigan Biotechnology Institute. Apparatus for biomethanation. 4,869,819, 9-26-89, Cl. 210-195.100.

Thiele, Karl-Heinz A. A. O.: *See—*
- Mertz, Pascal; Thiele, Karl-Heinz A. A. O.; and Stehr, Werner, 4,866,780, Cl. 381-188.000.

Thiele, Klaus: *See—*
- Busch, Peter; and Thiele, Klaus, 4,830,030, Cl. 132-212.000.
- Busch, Peter; and Thiele, Klaus, 4,867,183, Cl. 132-110.000.
- Lange, Fritz; Busch, Peter; and Thiele, Klaus, 4,874,554, Cl. 260-404.000.
- Ploog, Uwe; Busch, Peter; Thiele, Klaus; Hoffkes, Horst; and Giede, Karl, 4,803,068, Cl. 424-70.000.

Thiele, Peter: *See—*
- Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Moller, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.

Thiele, Robert E.: *See—*
- DePietro, Mark A.; Klim, William T.; Ashworth, Robert H.; and Thiele, Robert E., 4,860,812, Cl. 160-135.000.

Thielen, Christoph; and Negler, Franz. Drive slip control system for a motor vehicle. 4,796,718, 1-10-89, Cl. 180-197.000.

Thielke, Dietrich; Holtje, Dagmar; and Nadler, Guy, to Beecham-Wuelfing GmbH & Co. KG; and Laboratories Sobio SA. Aminoalkyl secocanthine derivatives and their use. 4,837,240, 6-6-89, Cl. 514-294.000.

Thielke, Dietrich: *See—*
- Hoeltje, Dagmar; and Thielke, Dietrich, 4,835,271, Cl. 544-126.000.

Thielmann, Friedolin. Device for cleaning the gas nozzle of a welding torch. 4,834,280, 5-30-89, Cl. 228-57.000.

Thiem, Heinz: *See—*
- Holl, Wolfgang; Weilandt, Gerhard; and Thiem, Heinz, 4,836,459, Cl. 241-225.000.

Thiem, Joachim; Deger, Hans-Matthias; Fritsche-Lang, Wolfram; and Kreuzer, Matthias, to Hoechst Aktiengesellschaft. Process for the preparation of alkylated glycosyl fluorides free from hydroxyl groups. 4,803,263, 2-7-89, Cl. 536-18.600.

Thiem, Joachim; Treder, Wolfgang; Keller, Reinhold; and Schlingmann, Merten, to Hoechst Aktiengesellschaft. Enzymatic synthesis of cyclodextrins using α-glucosyl fluoride as substrate for cyclodextrin α(1→4)glucosyltransferase. 4,859,590, 8-22-89, Cl. 435-97.000.

Thiem, Joachim: *See—*
- Hoppe, Hans-Ullrich; Grabley Susanne; Voelskow, Hartmut; Schlingmann, Merten; Kraemer, Hans P.; Wiesner, Matthias; and Thiem, Joachim, 4,849,409, Cl. 514-27.000.

Thien, Tran V.: *See—*
- Grieve, Duncan M. A.; Poon, Stephen S. C.; Thien, Tran V.; Sakizadeh, Kumars; and Weigel, David C., 4,883,747, Cl. 430-542.000.

Thieneman, Michael D.: *See—*
- Tershak, Andrew T.; Fellwock, Charles G.; and Thieneman, Michael D., 4,834,169, Cl. 165-30.000.

- Thiennot, Jean, to Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Études des Telecommunications). Optical fiber transmission apparatus, in particular for submarine use. 4,840,448, 6-20-89, Cl. 350-96.160.
- Thierauch, Karl-Heinz: *See—*
  - Skuballa, Werner; Vorbrueggen, Helmut; Dahl, Helmut; Stuerzebecher, Claus-Steffen; and Thierauch, Karl-Heinz, 4,886,788, Cl. 514-58.000.
- Thierauf, Klaus: *See—*
  - Kegler, Ernst; Svenka, Konrad; and Thierauf, Klaus, 4,803,569, Cl. 360-60.000.
- Thiercelin, Marc; and Roegiers, Jean C., to Dowell Schlumberger Incorported. Modified ring test. 4,821,577, 4-18-89, Cl. 73-799.000.
- Thierry, Bomer, to Matra. Method and device for measuring distance optically. 4,881,809, 11-21-89, Cl. 356-5.000.
- Thierry, Gerard: *See—*
  - Deconinck, Bernard; Oliveres, Andre; Rialan, Joseph; and Thierry, Gerard, 4,815,044, Cl. 367-77.000.
- Thierry, Jean-Pierre: *See—*
  - Jego, Gerard; Lacan, Guy; Thierry, Jean-Pierre; and Verdenne, Serge, 4,823,231, Cl. 361-331.000.
- Thierry, Josiane: *See—*
  - Barton, Derek; Potier, Pierre; Herve, Yolande; and Thierry, Josiane, 4,868,307, Cl. 546-256.000.
- Thiery, Jean, to Institut Francais Du Petrole. Assembly for making oriented bore-holes. 4,858,705, 8-22-89, Cl. 175-73.000.
- Thiery, Joachim: *See—*
  - Haar, Hans-Peter; Edelmann, Hermann; Herrmann, Horst; and Thiery, Joachim, 4,838,999, Cl. 204-1.00T.
- Thies, Robert W.: *See—*
  - Golike, Ralph C.; and Thies, Robert W., 4,865,902, Cl. 428-215.000.
- Thies, Wilbur H., Jr.: *See—*
  - Archer, Donald H.; and Thies, Wilbur H., Jr., 4,845,507, Cl. 343-754.000.
- Thiess Contractors Pty. Ltd.: *See—*
  - Cawley, Scott A.; and Vidler, Malcolm E., 4,878,596, Cl. 220-331.000.
- Thiessen, Hans-Henning: *See—*
  - Hornig, Klaus-Jurgen; and Thiessen, Hans-Henning, 4,821,048, Cl. 346-108.000.
- Thigpen, F. Bruce; and Collie, David E., to Eminent Technology, Inc. Electromagnetic transducer of improved efficiency. 4,837,838, 6-6-89, Cl. 381-158.000.
- Thill, Bruce P., to Dow Chemical Company, The. Blend of polycarbonate and polyamide compatibilized with a polyalkyloxazoline. 4,883,836, 11-28-89, Cl. 525-66.000.
- Thill, Gerald D., to Spearhead Industries, Inc. Article of clothing with three dimensional applique. 4,837,864, 6-13-89, Cl. 2-244.000.
- Thillays, Jacques C.; and Vallee, Jean-Claude A., to U.S. Philips Corporation. Optoelectric component for surface mounting. 4,797,715, 1-10-89, Cl. 357-17.000.
- Thim, Lars: *See—*
  - Norris, Kjeld; Thim, Lars; Norris, Fanny; Hansen, Mogens T.; and Moody, Alister J., 4,826,763, Cl. 435-68.000.
  - Zeuthen, Jesper; Thim, Lars; and Moller, Niels P. H., 4,816,441, Cl. 514-12.000.
- Thimsen, James A.; Whipple, Terry L.; and Caspari, Richard B., to Baxter Travenol Laboratories, Inc. Surgical cutting instrument with end and side openings. 4,844,064, 7-4-89, Cl. 128-305.000.
- Thimsen, James A.: *See—*
  - McGurk-Burleson, Erin; Koehler, Elmer; Packham, Victor; Thimsen, James A.; Whipple, Terry L.; and Caspari, Richard B., 4,867,157, Cl. 128-305.000.
- Thinesen, Tom; Houlihan, John; Reichel, Judith; and Olsen, Fred, to Timex Corporation. Watch attachment. 4,847,820, 7-11-89, Cl. 368-282.000.
- Thinesen, Tom, to Timex Corporation. Bicycle watch - dual mode circuit. 4,887,249, 12-12-89, Cl. 368-10.000.
- Thinking Machines Corporation: *See—*
  - Hillis, W. Daniel; and Kahle, Brewster, 4,805,173, Cl. 371-38.000.
  - Hillis, W. Daniel, 4,878,109, Cl. 358-42.000.
  - Kahle, Brewster; and Stanfill, Craig W., 4,870,568, Cl. 364-200.000.
  - Steele, Guy L., Jr.; Hillis, W. Daniel; Blelloch, Guy; Drumbeller, Michael; Kahle, Brewster; Lasser, Clifford; Ranade, Abhiram; Salem, James; and Sims, Karl, 4,827,403, Cl. 364-200.000.
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  - Wolfram, Stephen, 4,809,202, Cl. 364-578.000.
- Thinschmidt, Hans; and Kurfess, Franz, to Siemens Aktiengesellschaft. Method for automatic level matching in a local network, in particular a multicomputer arrangement, comprising a bus system having light waveguides, for the purpose of collision recognition. 4,809,363, 2-28-89, Cl. 455-612.000.
- Thinschmidt, Hans; and Mittelmann, Rudolf, to Siemens Aktiengesellschaft. Expansion network for increasing the number of subscriber terminations at a passive optical bus system comprising optical mixers. 4,864,650, 9-5-89, Cl. 455-612.000.
- Thinschmidt, Hans: *See—*
  - Sauer, Anton; Schmidtke, Frank; and Thinschmidt, Hans, 4,832,434, Cl. 350-96.160.
- Thiollet, Gerard: *See—*
  - Lampin, Jean-Pierre, deceased; Robillart Lampin, Jeannine, heir; Lampin, Corinne, heir; Lampin, Sophie, heir; Cambon, Aime ; Szonyi, Francois; Delpuech, Jean-Jacques; Serratrice, Guy; Thiollet, Gerard; and Lafosse, Louisette, 4,859,797, Cl. 568-39.000.
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- Thiriet, Abel: *See—*
  - Pourtau, Thierry; and Thiriet, Abel, 4,829,976, Cl. 125-36.000.
- Thiriet, Bernard: *See—*
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- Thirion, Christian: *See—*
  - Boucard, Michel; Thirion, Christian; and Maurel, Christian, 4,879,630, Cl. 361-386.000.
- Thirode, Pierre. Device for pickling meat by mixing under vacuum. 4,836,099, 6-6-89, Cl. 99-472.000.
- Thiruvengadam, Tiruvettipuram K.: *See—*
  - Tann, Chou-Hong; Thiruvengadam, Tiruvettipuram K.; Chiu, John S.; and Colon, Cesar, 4,831,123, Cl. 536-13.900.
- Thise, Marie R.; and Reuter, Rene F., to Goodyear Tire & Rubber Company, The. Cables and tires reinforced by said cables. 4,877,071, 10-31-89, Cl. 152-451.000.
- Thissen, Peter C.: *See—*
  - Smals, Michael R.; Thissen, Peter C.; and Tiemersma, Jan J., 4,828,393, Cl. 366-2.000.
- Thistle, Arthur L.: *See—*
  - Badger, Raymond B.; Schmitz, Peter J.; and Thistle, Arthur L., 4,817,334, Cl. 49-55.000.
- Thistle, Robert E.; and Thistle, Steven T., to Robert E. Thistle Limited. Dampening system for printing machines. 4,813,354, 3-21-89, Cl. 101-148.000.
- Thistle, Steven T.: *See—*
  - Thistle, Robert E.; and Thistle, Steven T., 4,813,354, Cl. 101-148.000.
- Thobe, Clemens: *See—*
  - Lauermann, Georg, and Thobe, Clemens, 4,880,639, Cl. 426-2.000.
- Thoburn, John G.; and Longhurst, Keith G., to Phoenix Interiors Limited. Demountale partitioning system. 4,821,476, 4-18-89, Cl. 52-238.100.
- Thoe, Gregg A.: *See—*
  - Leigh-Monstevens, Keith V.; Tury, Edward L.; Branum, Leslie P.; and Thoe, Gregg A., 4,817,468, Cl. 74-335.000.
  - Tury, Edward L.; and Thoe, Gregg A., 4,821,590, Cl. 74-335.000.
- Thoeming, Gerald A.: *See—*
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- Thoen, J. A.: *See—*
  - Marugg, J. E.; Gansow, Michael A. P.; and Thoen, J. A., 4,883,82 Cl. 521-164.000.
- Thoenen, Alan. Spring core for a mattress. 4,817,924, 4-4-89, Cl. 267-91.000.
- Thoese, Klaus, to Hoechst Aktiengesellschaft. Drafting material. 4,824,725, 4-25-89, Cl. 428-336.000.
- Thoese, Klaus; and Jung, Karl-Heinz, to Hoechst Aktiengesellschaft. Polyester film. 4,876,155, 10-24-89, Cl. 428-480.000.
- Thogersen, Klaus; and Lawrence, Frederick J., to Gradco Systems, Inc. Printer feeder. 4,842,261, 6-27-89, Cl. 271-6.000.
- Thoison, Odile: *See—*
  - Ahond, Alain; Laboute, Pierre; Laurent, Dominique; Potier, Pierre; Poupat, Christiane; Pusset, Jacques; Pusset, Michele; and Thoison, Odile, 4,801,602, Cl. 514-398.000.
- Tholander, Lars H. G., to Aktiebolaget IRO. Yarn storing, feeding and measuring device. 4,796,675, 1-10-89, Cl. 139-452.000.
- Tholander, Lars H. G. Yarn storing device. 4,814,633, 3-21-89, Cl. 307-117.000.
- Tholander, Lars H. G., to Aktiebolaget IRO. Weft yarn insertion nozzle device. 4,848,416, 7-18-89, Cl. 139-435.000.
- Thole, Thomas V. Connector assembly for anode socket of cathode ray tube. 4,801,276, 1-31-89, Cl. 439-592.000.
- Tholen, Leo: *See—*
  - Greckich, Hans; Tholen, Leo; and Wey, Edmund, 4,801,108, Cl. 242-35.50A.
- Tholence, Jean-Louis: *See—*
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- Tholerus, Jan: *See—*
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- Thollon, Didier: *See—*
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- Thom, David; Swarthoff, Ton; and Maat, Jan, to Lever Brothers Company. Enzymatic detergent composition. 4,873,016, 10-10-89, Cl. 252-174.120.
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  - Cornelissen, Johannes M.; Klugkist, Jan; Lagerwaard, Cornelis A.; Swarthoff, Ton; Thom, David; and Thom, David, 4,861,509, Cl. 252-174.120.
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- Thom, Guenter; and Neuber, Georg, to Siemens Aktiengesellschaft. Plug connector strip comprising contact springs arranged in at least two parallel rows. 4,820,173, 4-11-89, Cl. 439-79.000.
- Thom, Jerry D.; and Schaaf, Vincent P. Kennel drainage system. 4,794,879, 1-3-89, Cl. 119-17.000.
- Thom, Michael J. Refining of lead-debismuthizing. 4,881,971, 11-21-89, Cl. 75-78.000.
- Thom, Rudolf: *See—*
  - Schopf, Hans-J; Kizler, Wolfgang; Dahm, Wolfram; and Thom, Rudolf, 4,817,454, Cl. 74-572.000.
- Thoma, Christian H.; and Arnold, George D. M. Rotary hydrostatic machines or transmissions. 4,843,818, 7-4-89, Cl. 60-488.000.
- Thoma, Christoph: *See—*
  - Clemens, Peter; Michel, Herbert; and Thoma, Christoph, 4,842,629, Cl. 65-30.130.
- Thoma, Ed, to Beloit Corporation. Chip slicer improvement. 4,796,818, 1-10-89, Cl. 241-85.000.
- Thoma, Endre P.: *See—*
  - Busch, Robert E.; and Thoma, Endre P., 4,807,195, Cl. 365-207.000.
- Thoma, Erhard: *See—*
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- Thoma, Helmut: *See—*
  - Doenges, Gerhard; Dietrich, Rolf; Thoma, Helmut; and Von Unger, Eckart-Alfred, 4,841,554, Cl. 378-57.000.
- Thoma, Klemens: *See—*
  - Donnerhack, Andreas; Thoma, Klemens; Volker, Wolfgang; Gallmeister, Rolf-Dieter; Stratz, Thomas; and Lammers, Ludwig, 4,838,270, Cl. 128-371.000.
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- Thoma, Paul E.; A[illegible]Jodom, David N., II; and Fariabi, Sepehr, to Johnson Service Company. Method for producing a shape memory alloy member having specific physical and mechanical properties. 4,881,981, 11-21-89, Cl. 148-11.50R.
- Thoma, Peter: *See—*
  - Holzknecht, Bernhard; Fuchs, Hugo; Hetzel, Eckhard; Wintermantel, Klaus; and Thoma, Peter, 4,795,571, Cl. 210-774.000.
- Thoma, Robert H.; and Swan, J. David, to Swan Industries, Inc. Holding tank flushing system for a recreational vehicle. 4,868,932, 9-26-89, Cl. 4-323.000.
- Thoma, Wilhelm: *See—*
  - Noll, Klaus; Thoma, Wilhelm; Nachtkamp, Klaus; Schroer, Walter; and Pedain, Josef, 4,876,302, Cl. 524-267.000.
- Thomae, Karl: *See—*
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- Thomaides, Lazarus; and Taub, Steven I., to Ceco Filters, Inc. Multiphase thick-bed filter. 4,838,903, 6-13-89, Cl. 55-97.000.
- Thoman, Richard A., Jr., to Greene, Tweed & Co. Split sealing ring having a bias cut. 4,840,379, 6-20-89, Cl. 277-222.000.
- Thoman, Thomas R.: *See—*
  - Hagan, David W.; Burke, William D.; Thoman, Thomas R.; and Willmert, McRea B., 4,805,556, Cl. 118-725.000.
- Thomann, Helmut: *See—*
  - Schmelz, Helmut; Thomann, Helmut; Kuschke, Renate; Wilbert, Eva-Helga; Gajewski, Wolfgang; Sprehe, Josef; Landgraf, Norbert; Ranly, Hans; Balling, Lothar; Reppisch, Richard; and Hein, Dietmar, 4,812,296, Cl. 423-239.000.
- Thomas A. Schutz Co., Inc.: *See—*
  - Adenau, Marvin L., 4,887,737, Cl. 221-3.000.
- Thomas, Alain; and Servel, Michel. Asynchronous FIFO device comprising a stack of registers having a transparent condition. 4,819,201, 4-4-89, Cl. 364-900.000.
- Thomas, Alan: *See—*
  - Koudstaal, Willem; Thomas, Alan; and Lewis, Jeffrey L., 4,806,021, Cl. 383-40.000.
- Thomas, Alan C., to Rogers Corporation. Electroluminescent lamp. 4,853,594, 8-1-89, Cl. 313-503.000.
- Thomas, Alan E.: *See—*
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- Thomas, Alfred W.: *See—*
  - Flynn, Derek J.; Thomas, Alfred W.; and Pickering, John F., 4,827,720, Cl. 60-547.100.
- Thomas, Alvin D., to Crellin, Inc. Spring dye tube. 4,872,621, 10-10-89, Cl. 242-118.110.
- Thomas, Alvin R. Power tool attachment for table saws. 4,887,653, 12-19-89, Cl. 144-286.00R.
- Thomas, Andrew S. W.: *See—*
  - Bennett, John A.; Englar, Robert J.; and Thomas, Andrew S. W., 4,844,385, Cl. 244-207.000.
- Thomas, Anthony J.: *See—*
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  - Moos, Walter H.; and Thomas, Anthony J., 4,797,419, Cl. 514-588.000.
- Thomas, Anthony T.: *See—*
  - Rigby, William R.; Furneaux, Robin C.; and Thomas, Anthony T., 4,889,631, Cl. 210-493.100.
- Thomas, Arthur K., to ICI Americas Inc. Heat resistant high modulus reaction injection molding (RIM) polymers, blends used in the production thereof and a process for producing the same. 4,880,872, 11-14-89, Cl. 525-43.000.
- Thomas, Barry G.; and Spector, George. Sail boat chlorine dispenser. 4,798,707, 1-17-89, Cl. 422-264.000.
- Thomas & Betts Corporation: *See—*
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  - Fortsch, William A., 4,868,953, Cl. 24-23.00R.
  - Kieli, Michael, 4,810,051, Cl. 350-96.150.
  - Noorily, Peter, 4,820,193, Cl. 439-488.000.
  - Noorily, Peter, 4,826,559, Cl. 156-433.000.
  - O'Loughlin, Francis A., 4,875,876, Cl. 439-431.000.
  - Pearce, Howard K., 4,827,608, Cl. 29-809.000.
  - Sadigh-Behzadi, Amir-Akbar, 4,815,982, Cl. 439-82.000.
  - Selby, John A., 4,841,631, Cl. 29-749.000.
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- Thomas, Bruce A.: *See—*
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  - Easton, Thomas; and Thomas, Bryan, 4,854,938, Cl. 44-56.000.
  - Easton, Thomas; and Thomas, Bryan, 4,888,107, Cl. 208-188.000.
- Thomas, Byron E., to Puritan-Bennett Aero Systems Company. Smoke alarm with dropout smoke hood. 4,862,147, 8-29-89, Cl. 340-628.000.
- Thomas, Carroll M. Glass cutting apparatus. 4,819,535, 4-11-89, Cl. 83-880.000.
- Thomas, Charles A.; and Bland, William N., Jr. Illuminated spoke mounted reflector for bicycles. 4,796,972, 1-10-89, Cl. 350-99.000.
- Thomas, Charles E.; Bedard, James F.; Harris, Lawson P.; Wildes, Douglas G.; and Hayashi, Steven R., to General Electric Company. Detection by automatic gain control features of gradual cutting tool breakage. 4,806,914, 2-21-89, Cl. 340-680.000.
- Thomas, Charles E.; Lee, Minyoung; and Wildes, Douglas G., to General Electric Company. Cutting tool wear detection apparatus and method. 4,831,365, 5-16-89, Cl. 340-680.000.
- Thomas, Charles E., to General Electric Company. Tool break detecting method and system preventing false alarms due to rough surfaces. 4,849,741, 7-18-89, Cl. 340-683.000.
- Thomas, Charles E., to General Electric Company. Groove cutting tool break event detecting method and system. 4,853,680, 8-1-89, Cl. 340-680.000.
- Thomas, Charles E., deceased; and by Thomas, Vivian, executrix. Multipurpose control valve. 4,838,308, 6-13-89, Cl. 137-596.160.
- Thomas, Charles L.: *See—*
  - Kammler, Thomas L.; and Thomas, Charles L., 4,848,549, Cl. 192-85.0CA.
- Thomas, Clifford R.; and Johnson, John P., to Georgia Power Company. Transformer alarm annunciator. 4,868,547, 9-19-89, Cl. 340-646.000.
- Thomas Conveyor Company: *See—*
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- Thomas, Craig E.: *See—*
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- Thomas, Cyril J. A. Variable displacement rotary fluid machine. 4,812,111, 3-14-89, Cl. 418-20.000.
- Thomas, D. Bruce: *See—*
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- Thomas, David B.: *See—*
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- Thomas, David C.: *See—*
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- Thomas, David J.: *See—*
  - Levin, Arthur L.; Rain, Don W.; and Thomas, David J., 4,821,178, Cl. 364-200.000.
- Thomas, David W.; and Corby, Robert S., to Shell Western E&P Inc. Method and apparatus for producing viscous crudes. 4,832,127, 5-23-89, Cl. 166-369.000.
- Thomas, Delmer L., to Datron Systems Inc. Multi-mode feed system for a monopulse antenna. 4,849,761, 7-18-89, Cl. 342-153.000.
- Thomas, Delmer L.: *See—*
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- Thomas, Donald A., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Interconnection technique using dielectric layers. 4,843,191, 6-27-89, Cl. 174-88.00R.
- Thomas Douglas C.: *See—*
  - Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Ketenhofen, Timothy J.; Marver, Douglas J.; Couture Dorschner, Laurie; and Pomplun, William S., 4,837,715, Cl. 364-552.000.
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  - Lo, Lawrence Y.; and Thomas, Dwight J., 4,863,604, Cl. 210-490.000.
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Thomas, Eugene R.; and Steele, Robert E., to Exxon Production Research Company. Process for removing contaminants from dialkyl ethers of polyalkylene glycols. 4,859,802, 8-22-89, Cl. 568-621.000.
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Thomas, Frank, to United States Golf Association. Loft-lie tester for golf clubs. 4,858,332, 8-22-89, Cl. 33-508.000.
Thomas, Frank, to U.S. Golf Association. Turf gauge for measuring the hardness of a gold green. 4,887,459, 12-19-89, Cl. 73-81.000.
Thomas, Friedrich W., to Leybold-Heraeus GmbH. Method and apparatus for measuring the monocrystal diameter and the melt level during crucible drawing in the Czochralski process. 4,832,496, 5-23-89, Cl. 356-384.000.
Thomas, Friedrich-Werner; and Bruch, Jurgen, to Leybold-Heraeus GmbH. Apparatus for controlling the operation of tipping a melting crucible. 4,823,263, 4-18-89, Cl. 364-559.000.
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Thomas, Gareth; Johnson, Sylvia M.; and Dinger, Timothy R., to University of California, The Regents of the; and SRI International. Method of producing a dense refractory silicon nitride (SI_3N_4) compact with one or more crystalline intergranular phases. 4,830,800, 5-16-89, Cl. 264-65.000.
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Thomas, George. Eye washing method and apparatus. 4,798,599, 1-17-89, Cl. 604-290.000.
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Thomas, Gerhard G.; and Mitterauer, Bernhard. Computer for simulating complex processes. 4,829,451, 5-9-89, Cl. 364-513.000.
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Thomas, Jack L. Rechargeable flashlight assembly for automotive vehicles. 4,819,139, 4-4-89, Cl. 362-183.000.
Thomas, James A.; and Coan, David A., to General Motors Corporation. Method of making a crankshaft. 4,829,642, 5-16-89, Cl. 29-6.000.
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Thomas, Janice S. Basket weaving form. 4,832,097, 5-23-89, Cl. 147-48.000.
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Thomas, Jean-Francois; Terneu, Robert; Van Cauter, Albert; and Van Laethem, Robert, to Glaverbel. Process and apparatus for coating glass. 4,878,934, 11-7-89, Cl. 65-60.520.
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Thomas, Jeffrey A.; Robinson, Theodore S.; Ertl, Robert A.; and Christensen, Harold F., Jr., to Amdahl Corporation. Computer system architecture employing cache data line move-out queue buffer. 4,881,163, 11-14-89, Cl. 364-200.000.

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Daberkow, Kevin L.; Finan, Christopher D.; Petolino, Joseph A.; Sobottka, Daniel Carl; and Thomas, Jeffrey A., 4,872,111, Cl. 364-200.000.
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Thomas, Jerry S., to American Express Company. Data transmission over the public switched network. 4,796,292, 1-3-89, Cl. 379-91.000.
Thomas, Jess B., Jr., to California Institute of Technology. Digital signal processor and processing method for GPS receivers. 4,821,294, 4-11-89, Cl. 375-96.000.
Thomas, John. Fishing lure. 4,817,325, 4-4-89, Cl. 43-42.100.
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Thomas, John V. Anti-theft locking device. 4,818,032, 4-4-89, Cl. 301-37.0AT.
Thomas, Joseph B. Golf club. 4,795,153, 1-3-89, Cl. 273-81.300.
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Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., to Tab Products Company. Universal center hook. 4,820,074, 4-11-89, Cl. 402-75.000.
Thomas, Kent; Bullis, Daniel R., Jr.; and Bottelson, Thomas J., to Tab Products Company. Adjustable document handle. 4,842,435, 6-27-89, Cl. 402-80.00R.
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Thomas, Michael D. Variable force exerting clamp assembly having a variable clamping area. 4,861,009, 8-29-89, Cl. 269-43.000.
Thomas, Michael E.; Vora, Madhukar B.; and Kapoor, Ashok K., to Fairchild Camera and Instrument Corp. Structure for inhibiting dopant out-diffusion. 4,829,363, 5-9-89, Cl. 357-71.000.
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Thomas, Peter C. Tool sharpening apparatus. 4,841,678, 6-27-89, Cl. 51-219.00R.
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Thomas, Pierre-Armand; and Grundman, Raphael, to Technip Geoproduction; and Engrenages et Reducteurs Citroen-Messian-Durand. Suspension device for the support legs of a jack-up oil platform. 4,880,336, 11-14-89, Cl. 405-198.000.
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Thomas, Richard A.; and Eggelston, Ross W., to Ratcom. Flow cytometry. 4,818,103, 4-4-89, Cl. 356-72.000.
Thomas, Richard D. Mold inhibiting product. 4,806,353, 2-21-89, Cl. 424-141.000.
Thomas, Richard D.; and Bell, Cecil R., Jr., to Sara Lee Corporation. Packaging system. 4,835,939, 6-6-89, Cl. 53-248.000.
Thomas, Richard D. Mold and dust inhibiting product and method. 4,847,067, 7-11-89, Cl. 424-639.000.
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Thomas, Robert C., to Dow Chemical Company, The. Clear brine fluids. 4,836,941, 6-6-89, Cl. 252-8.555.
Thomas, Robert J., to Eagle Industries, Inc. Three-dimensional flexible reflectors. 4,815,818, 3-28-89, Cl. 350-102.000.
Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., to Wayne State University. Thermal wave imaging apparatus. 4,874,251, 10-17-89, Cl. 374-45.000.
Thomas, Robert L.; Kuo, Pao-Kuang; and Favro, Lawrence D., to Wayne State University. Vector lock-in imaging system. 4,878,116, 10-31-89, Cl. 358-160.000.
Thomas, Robert M., to Chrysler Motors Corporation. Self-retained one-piece pivot bushing. 4,887,331, 12-19-89, Cl. 16-2.000.
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Thomas, Ronald K. Stud locating tape. 4,845,858, 7-11-89, Cl. 33-759.000.
Thomas, Ronny D., to Path. Single use injection device. 4,883,473, 11-28-89, Cl. 604-217.000.
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Thomas, Sherman G., to General Electric Company. Keying apparatus for connecting a printed wiring assembly to a backplane structure. 4,840,586, 6-20-89, Cl. 439-680.000.
Thomas, Sherman G., to GE Fanuc Automation North America, Inc. Apparatus for removably connecting first and second matable members. 4,865,560, 9-12-89, Cl. 439-341.000.
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  Martz, Jonathan T.; O'Dwyer, James B.; Thomas, Stephen J.; and Claar, James A., 4,798,745, Cl. 427-407.100.
Thomas, Stephen R. Circuit interrupt system. 4,866,296, 9-12-89, Cl. 307-141.000.
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  Seyedin, Saeid; Thomas, Thomas; Bentz, Hanne; Ellingsworth, Larry; and Armstrong, Rosa, 4,843,063, Cl. 514-2.000.
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Thomasen, Holger B.; and Eisenhardt, Anne R., to Radiometer A/S. Method for cleaning instruments used for analyzing protein-containing biological liquids. 4,867,797, 9-19-89, Cl. 134-18.000.
Thomason, Harry E. Heat storage. 4,852,547, 8-1-89, Cl. 126-427.000.
Thomason, Robert L.; and Sklansky, Jack, to Vartec Corporation. Electronic inspection system and methods of inspection. 4,817,184, 3-28-89, Cl. 382-8.000.
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Thomassen International B.V.: *See—*
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Thomazet, Joel; and Kolmayer, Andre, to Framatome; and Compagnie Generale Des Matieres Nucleaires. Fuel assembly having anti-corrosion grids. 4,804,516, 2-14-89, Cl. 376-439.000.
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Thompson, Andrew S.; Verhoeven, Thomas R.; and Shinkai, Ichiro, to Merck & Co., Inc. Process for the formation of 6-desmethyl-6-exo-methylene derivatives of lovastatin and analogs thereof. 4,866,186, 9-12-89, Cl. 549-292.000.
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Thompson, Chester C.; and Loby, Raymond J., to Radiation Dynamics, Inc. Magnetic field former for charged particle beams. 4,845,370, 7-4-89, Cl. 250-492.300.
Thompson, Chester C., to Radiation Dynamics, Inc. Magnetic flux coupled voltage multiplication apparatus. 4,860,187, 8-22-89, Cl. 363-61.000.
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  Thompson, Frederick H., 4,882,005, Cl. 156-470.000.
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Thompson, David A.: *See—*
  Vinal, Albert W.; and Thompson, David A., 4,816,947, Cl. 360-113.000.
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Thompson, David M. Dual-position table leg brace. 4,838,440, 6-13-89, Cl. 248-188.000.
Thompson, David M. Fishing rod holder. 4,856,221, 8-15-89, Cl. 43-21.200.
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  Borcuch, John P.; and Thompson, David R., 4,821,523, Cl. 62-52.000.
Thompson, Dennis C., to Hewlett-Packard Company. Tilt and swivel mechanism. 4,858,864, 8-22-89, Cl. 248-178.000.
Thompson, Donald O.; and Wormley, Samuel J., to Iowa State University Research Foundation, Inc. Non-destructive evaluation means and method of flaw reconstruction utilizing an ultrasonic multi-viewing transducer data acquistion system. 4,817,016, 3-28-89, Cl. 364-507.000.
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  Hsu, David K.; and Thompson, Donald O., 4,810,462, Cl. 419-8.000.
Thompson, Donald V. R., to Newburgh Manufacturing Corporation. Securement system for telescopically engageable members. 4,869,382, 9-26-89, Cl. 215-12.100.
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  Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.
Thompson, Douglas, to Boeing Company, The. Automated fastener inspection system. 4,823,396, 4-18-89, Cl. 382-8.000.
Thompson, Douglas K., to General Motors Corporation. Secondary oil system. 4,888,947, 12-26-89, Cl. 60-39.080.
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  Paff, Robert; Thompson, Edwin; Stiepel, Norbert M.; and Anderson, Luis, 4,833,534, Cl. 358-108.000.
Thompson, Eldon J., to Honeywell Inc. Digital contour line generator. 4,823,287, 4-18-89, Cl. 364-522.000.
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  Dawson, John F.; Thompson, Eldon J.; and Cousens, James A., 4,876,651, Cl. 364-449.000.
Thompson, Elmer L., Jr.: *See—*
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Thompson, Emory L.: *See—*
  Huffman, Cary A.; and Thompson, Emory L., 4,821,844, Cl. 182-179.000.

Thompson, Frank B., to United Technologies Corporation. Static pressure system for gas turbine engines. 4,872,807, 10-10-89, Cl. 415-118.000.
Thompson, Franklin B. Fatigue-reducing handle grip and handle attachment for same. 4,850,079, 7-25-89, Cl. 16-111.00R.
Thompson, Frederick H., to Thompson Corrugated Systems, Inc. Corrugating machines. 4,853,072, 8-1-89, Cl. 156-470.000.
Thompson, Frederick H., to Thompson Corrugated Systems, Inc. Device for making laminated arch corrugated structures. 4,882,005, 11-21-89, Cl. 156-470.000.
Thompson, Frederick N., Jr.: *See—*
  Lipham, Luke B.; Stuedemann, John A.; and Thompson, Frederick N., Jr., 4,880,632, Cl. 424-425.000.
Thompson, Gary L. Automobile seat drinking vessel retainer. 4,801,060, 1-31-89, Cl. 224-275.000.
Thompson, George, to Western Gear Corporation. Apparatus for carrying and releasing stores. 4,829,878, 5-16-89, Cl. 89-1.540.
Thompson, George H. B., to ITT Gallium Arsenide Technology Center A Division of ITT Corporation. FET photoconductor with a heterojunction in the channel. 4,814,836, 3-21-89, Cl. 357-22.000.
Thompson, George H. B., to STC PLC. Coupled waveguide injection laser. 4,817,106, 3-28-89, Cl. 372-50.000.
Thompson, George H. B., to ITT Gallium Arsenide Technology Center, a Division of ITT Corporation. Heterojunction photo-detector with transparent gate. 4,833,512, 5-23-89, Cl. 357-22.000.
Thompson, Gerald L., to Reynolds Metals Company. Water-based polyester coating compositions containing an alkylated amino resin and a water dispersible epoxy resin. 4,847,334, 7-11-89, Cl. 525-438.000.
Thompson, Glen: *See—*
  Smith, Patrick A.; and Thompson, Glen, 4,870,858, Cl. 73-146.000.
Thompson, Glenn A.; Corso, Anthony J.; and Steuernagel, Hans H., to Crall, Hugh C.; and Hoechst Celanese Corp. Water-soluble, monoazo dyes containing a ureido group and two sulfonyl fiber-reactive groups. 4,855,411, 8-8-89, Cl. 534-629.000.
Thompson, Glenn R.; and Breitbart, Yuri J., to Amoco Corporation. Method for consistent multidatabase transaction processing. 4,881,166, 11-14-89, Cl. 364-200.000.
Thompson, Gregory J.: *See—*
  Barger, Paul T.; Thompson, Gregory J.; Herber, Raymond R.; and Imai, Tamotsu, 4,857,666, Cl. 585-323.000.
  Herber, Raymond R.; and Thompson, Gregory J., 4,806,624, Cl. 585-440.000.
  Herber, Raymond R.; and Thompson, Gregory J., 4,827,066, Cl. 585-319.000.
  Lengemann, Robert A.; Thompson, Gregory J.; Vickers, Anthony G.; and Mott, Raymond W., 4,859,313, Cl. 208-113.000.
Thompson, Harold L., to Alpha Images, Ltd. Land, water and air craft. 4,865,275, 9-12-89, Cl. 244-219.000.
Thompson, Herbert A.; Tomlinson, Paul R.; Dropps, Kevin J.; and Mancini, Ronald A., to Texas Instruments Incorporated. Method and apparatus for starting single phase motors. 4,843,295, 6-27-89, Cl. 318-786.000.
Thompson, Herbert E.; Rolph, Donald L.; and Mercurio, Dominic, to Syquest Technology. Removable cartridge with lockable access door. 4,864,452, 9-5-89, Cl. 360-133.000.
Thompson, Herbert E.; Rolph, Donald L.; Mercurio, Dominic; and Guerini, Albert J., to Syquest Technology. Removable cartridge disc drive with radial arm voice coil actuator. 4,870,518, 9-26-89, Cl. 360-97.010.
Thompson, Howard D. Apparatus for assisted parturition of livestock and method of making same. 4,872,457, 10-10-89, Cl. 128-352.000.
Thompson, Howard G., Jr.: *See—*
  Edwards, Wallace L.; Jones, Joel F.; and Thompson, Howard G., Jr., 4,797,075, Cl. 418-48.000.
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Thompson, James A., to Babcock Industries, Inc. Drive system with resilient yieldable biased actuator shaft for electric rear view mirror. 4,824,232, 4-25-89, Cl. 350-633.000.
Thompson, James A., to La Jolla Technology, Inc. Adhesive composites for biomedical electrodes. 4,830,776, 5-16-89, Cl. 252-500.000.
Thompson, James A. Cushion cover stuffing machine and method. 4,845,925, 7-11-89, Cl. 53-438.000.
Thompson, James C.; Even, Uzi J.; and Kim, Chi-Woo, to Board of Regents, the University of Texas System. Enhanced sensitivity photodetector having a multi-layered, sandwich-type construction. 4,839,511, 6-13-89, Cl. 250-211.00R.
Thompson, James D., to Hughes Aircraft Company. Reconfigurable beam antenna. 4,799,065, 1-17-89, Cl. 343-779.000.
Thompson, James D., to Hughes Aircraft Company. Equal power amplifier system for active phase array antenna and method of arranging same. 4,825,172, 4-25-89, Cl. 330-124.00R.
Thompson, James D.: *See—*
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Thompson, James E.: *See—*
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Thompson, James W. Marble toy. 4,795,394, 1-3-89, Cl. 446-168.000.
Thompson, Jeffery. Flux material for steelmaking. 4,814,005, 3-21-89, Cl. 75-24.000.
Thompson, Jeffery. Solid fuel composition from waste products. 4,822,379, 4-18-89, Cl. 44-589.000.
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  Geil, Frederick G.; Gruen, Henry M.; Newman, Howard S.; Ratz, Thomas J.; Rowe, Linwood M., Jr.; and Thompson, John H., 4,833,659, Cl. 367-155.000.
Thompson, John M.; and Hoyt, Tim K., to Minnesota Mining and Manufacturing Company. Method and apparatus for making a cable termination assembly. 4,829,667, 5-16-89, Cl. 29-858.000.
Thompson, John P. Pinch clip. 4,866,818, 9-19-89, Cl. 24-543.000.
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  Cairns, Royston H.; and Thompson, John R., 4,819,320, Cl. 29-568.000.
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  Parsons, Thomas O.; Thompson, Kenneth C.; and Kent, Michael S., 4,865,064, Cl. 135-68.000.
Thompson, Kenneth J.; Foster, Wayne G.; Rosenquist, Joel C.; and Ketner, David S. Fabric band making and label applying machine. 4,822,448, 4-18-89, Cl. 156-538.000.
Thompson, Kenneth P.; and Ihde, Richard C., to Champion International Corporation. Barrier laminates for containment of essential oils, flavors, oxygen and vitamins and cartons made therefrom. 4,835,025, 5-30-89, Cl. 428-34.200.
Thompson, Kevan R.; Finke, Paul E.; and Doherty, James B., to Merck & Co., Inc. Penicillin derivatives as anti-inflammatory and antidegenerative agents. 4,847,247, 7-11-89, Cl. 514-194.000.
Thompson, Kevin D.; and Ballard, Gary W., to Carrier Corporation. Limit switch control method for a two-stage furnace. 4,887,767, 12-19-89, Cl. 236-1.0EB.
Thompson, Kevin D.: *See—*
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Thompson Marine Propulsion Systems, Inc.: *See—*
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Thompson, Marion L., deceased (by Campbell, Collene, executor), to Mickey Thompson Entertainment Group. Deceleration apparatus and method for stopping a racing vehicle. 4,880,083, 11-14-89, Cl. 188-2.00R.
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Thompson, Mark E., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. 4,881,968, 11-21-89, Cl. 71-92.000.
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  Pasteris, Robert J.; and Thompson, Mark E., 4,853,025, Cl. 71-91.000.
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Thompson, Marshall A. Corner painting attachment for paint rollers. 4,872,236, 10-10-89, Cl. 15-118.000.
Thompson, Marvin W.; Scott, James A.; Jennings, Timothy C.; Neves, Joseph; Phenicie, Ronald W.; and Murphy, Margaret H., to Anvil Cases, Inc. Stacking system for containers. 4,813,542, 3-21-89, Cl. 206-504.000.
Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., to Anvil Cases, Inc. Method and apparatus for forming a desk. 4,819,567, 4-11-89, Cl. 108-38.000.
Thompson, Marvin W.; Jennings, Timothy C.; Scott, James A.; Phenicie, Ronald W.; Murphy, Margaret H.; Nakash, Gabriel D.; Biggers, James R.; Boudreau, Lynnlee M.; and Curiel Contreras, Jorge H., to Anvil Cases, Inc. Method and apparatus for forming a desk. 4,874,266, 10-17-89, Cl. 403-407.100.
Thompson, Merall L., to Thompson Marine Propulsion Systems, Inc. Outboard boat propulsion installation. 4,832,642, 5-23-89, Cl. 440-90.000.
Thompson, Michael; Krull, Ulrich J.; and Kallury, Krishna M., to Allied-Signal Inc. Lipid membrane-based device. 4,824,529, 4-25-89, Cl. 204-1.00T.
Thompson, Michael: *See—*
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Thompson, Michael L. Automotive brake light and communication system. 4,868,542, 9-19-89, Cl. 340-468.000.
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Thompson, Mortimer S., to Tri-Tech Systems International Inc. Closure for container and method for forming the closure. 4,823,967, 4-25-89, Cl. 215-222.000.
Thompson, Mortimer S., to Tri-Tech Systems International Inc. Container and cap. 4,856,667, 8-15-89, Cl. 215-318.000.
Thompson, Mortimer S., to Tri-Tech Systems International Inc. Closure cap with a seal and method of and apparatus for forming such closure and seal. 4,872,304, 10-10-89, Cl. 53-487.000.
Thompson, Mortimer S., to Tri-Tech Systems International, Inc. Closure system and method of forming and using same. 4,886,947, 12-12-89, Cl. 215-318.000.
Thompson, Murray A., to Wisconsin Alumni Research Foundation. Stepping motor control. 4,881,161, 11-14-89, Cl. 364-167.010.
Thompson, Neil E. S.; and Asperger, Robert G., to Petrolite Corporation. Methods for treating hydrocarbon recovery operations and industrial waters. 4,826,625, 5-2-89, Cl. 252-344.000.
Thompson, Neil E. S.; Redmore, Derek; Oude Alink, Bernardus A.; and Outlaw, Benjamin T., to Petrolite Corporation. Compounds containing sulfur and amino groups. 4,843,176, 6-27-89, Cl. 564-292.000.
Thompson, Neil E. S.; and Asperger, Robert G., to Petrolite Corporation. Dithiocarbamates for treating hydrocarbon recovery operations and industrial waters. 4,864,075, 9-5-89, Cl. 558-237.000.
Thompson, Neil G.: *See—*
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Thompson, Noel E.; Johns, Richard Martin; Rozmus, Gregory; Voss, George F.; Edwards, William J.; and Thomas, Peter J., to Broken Hill Proprietary Company Limited; and Industrial Automation Services Pty Ltd. Hot leveller automation system. 4,881,392, 11-21-89, Cl. 72-7.000.
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Thompson, Owen E. Method and apparatus for making an infusion. 4,806,369, 2-21-89, Cl. 426-82.000.
Thompson, Parke, Jr.; Beard, Lloyd R.; and Goe, Melvin B., Jr., to A. B. Chance Company. Motor operator for padmount switchgear. 4,804,809, 2-14-89, Cl. 200-17.00R.
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  Otsuka, Nobuo; Igarashi, Hideo; and Thompson, Peter, 4,821,526, Cl. 62-180.000.
  Pijanowski, Stefan; Thompson, Peter; and Dartnall, Adrian, 4,802,601, Cl. 220-4.00R.
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  Kenney, Andrew C.; Thompson, Philip W.; and Harris, John L., 4,861,488, Cl. 210-656.000.
Thompson, Raymon F.; and Funk, Larry, to Semitool, Inc. Slow acting fluid valve. 4,872,638, 10-10-89, Cl. 251-54.000.
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Thompson, Richard E.; and Muzio, Lawrence J. Method and composition for utilizing lime-urea hydrates to simultaneously reduce NO_x and SO_x in combustion effluents. 4,795,586, 1-3-89, Cl. 252-188.100.
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Thompson, Robert A., to General Electric Company. Shot peening system and method with velocity sensing. 4,805,429, 2-21-89, Cl. 72-53.000.
Thompson, Robert A., to General Electric Company. Shot peening mass flow and velocity sensing system and method. 4,848,123, 7-18-89, Cl. 72-53.000.
Thompson, Robert A., to General Electric Company. Passive actuator to maintain a constant normal cutting force during robotic deburring. 4,860,500, 8-29-89, Cl. 51-165.770.
Thompson, Robert A., to General Electric Company. Shot sensing shot peening system and method. 4,873,855, 10-17-89, Cl. 72-53.000.
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Thompson, Robert H., to Westvaco Corporation. System for sensing a discontinuity in a paper web and containing web puncturing means across the web width. 4,799,997, 1-24-89, Cl. 162-255.000.
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  Szlaga, Emil; Harris, Robert S.; and Thompson, Robert H., 4,816,045, Cl. 55-168.000.
  Szlaga, Emil; Harris, Robert S.; and Thompson Robert H., 4,883,103, Cl. 141-368.000.
Thompson, Robert I. Electric curling iron having a reversible motor-driven rotatable curling mandrel. 4,829,156, 5-9-89, Cl. 219-225.000.
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Thompson, Robert R. Animal pelt stretching and drying device. 4,848,108, 7-18-89, Cl. 69-19.200.
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Thompson, Robert W., Jr. Automated angulating mirror. 4,820,032, 4-11-89, Cl. 350-605.000.
Thompson, Roger D., to International Computers Limited. Computer network system with contention mode for selecting master. 4,814,984, 3-21-89, Cl. 364-200.000.
Thompson, Ronald D. Apparatus for recycling solvents. 4,830,710, 5-16-89, Cl. 202-170.000.
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Thompson-Russell, Kathryn C., and Black, Roger A., to U.S. Philips Corporation. Method of sealing a pump stem to a cathode ray tube envelope part. 4,820,225, 4-11-89, Cl. 445-43.000.
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Thompson, Steven C. Disposable uniform wire stripper. 4,889,019, 12-26-89, Cl. 81-9.400.
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Thompson, Terrence L., to Longyear Company. Positive latch wire line core barrel apparatus. 4,834,198, 5-30-89, Cl. 175-244.000.
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Thomsen, Jack W.; Regunathan, Perialwar; and Tadlock, John W., to Everpure, Inc. Filter cartridge with a lugged concentric closure portion. 4,857,189, 8-15-89, Cl. 210-232.000.
Thomsen, John. Method and apparatus for injecting fluids into IV line. 4,871,353, 10-3-89, Cl. 604-83.000.
Thomsen, Karl V.; Darcy, John J., Griswold, Augustus W.; Haritonoff, Boris W.; and Pond, Jacob, to Xerox Corporation. Process for preparing belts. 4,838,964, 6-13-89, Cl. 156-73.100.
Thomsen, Karl V.; Darcy, John J.; Griswold, Augustus W.; Haritonoff, Boris W.; and Pond, Jacob, to Xerox Corporation. Apparatus for preparing belts. 4,878,985, 11-7-89, Cl. 156-459.000.
Thomsen, Leon A., to Amoco Corporation. Method of seismic surveying for resolving the effects of formation anisotropy in shear wave reflection seismic data. 4,888,743, 12-19-89, Cl. 367-75.000.
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  Repe, Thouron; and Francois, Denis J., 4,879,941, Cl. 89-1.140.
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  Fisher, William H.; Stott, William R.; Thomson, Bruce A.; and Weinz-Margulescu, Adam, 4,819,477, Cl. 73-23.000.
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  Duret, Robert; and Fleury, Georges, 4,798,993, Cl. 313-447.000.
  Lefevre, Herve, 4,815,853, Cl. 356-350.000.
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  Aubert, Guy, 4,808,956, Cl. 335-299.000.
  Aubert, Guy, 4,820,982, Cl. 324-300.000.
  Aubert, Guy, 4,835,504, Cl. 335-296.000.
  Aubert, Guy, 4,847,985, Cl. 29-605.000.
  Aubert, Guy; and Kaplan, Daniel, 4,862,085, Cl. 324-315.000.
  Aubert, Guy, 4,876,503, Cl. 324-117.00R.
  Catros, Jean Yves; and Malo-Renault, Francois, 4,843,630, Cl. 382-6.000.
  Encellaz, Robert; and Ng Tong, Yong C. H., 4,843,323, Cl. 324-313.000.
  Klausz, Remy, 4,852,002, Cl. 364-413.130.
  Klauzs, Remy, 4,827,492, Cl. 378-99.000.
  Le Bihan, Denis; and Breton, Eric, 4,809,701, Cl. 128-653.000.
  Menge, Gunter, 4,814,733, Cl. 336-69.000.
  Penato, Jean M.; Gabbay, Emile; and Debrouwer, Yves, 4,799,250, Cl. 378-144.000.
  Ploix, Jean L., 4,847,686, Cl. 358-93.000.
  Salesses, Jacques; and Baghdiguian, Arthur, 4,809,310, Cl. 378-109.000.
  Staron, Alain; Claudepierre, Christian; Micheron, Francois; and Chambron, Edmond, 4,856,042, Cl. 378-147.000.
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  Theodeulou, Sotos M.; Thomson, Christopher W.; Vannerson, Eric; Baker, Wm. Keith; Sun, Alvin C. P.; and Hurley, Ken, 4,839,671, Cl. 346-159.000.
Thomson Composants Militaires et Spaciaux: *See—*
  de Ferron, Gerard S., 4,311,291, Cl. 365-185.000.
  Limisaque, Gilles; and Sourgen, Laurent, 4,851,653, Cl. 235-492.000.
  Lisimaque, Gilles; and Fruhauf, Serge, 4,813,024, Cl. 365-228.000.
  Marquot, Alexis; and Fruhauf, Serge, 4,827,451, Cl. 365-189.010.
  Marquot, Alexis, 4,864,541, Cl. 365-185.000.
Thomson Consumer Electronics, Inc.: *See—*
  Anderson, Mark R.; and Morris, Robert E., Jr., 4,831,652, Cl. 381-1.000.
  Chin, Lin T.; and Wilber, James A., 4,843,285, Cl. 315-408.000.
  Christopher, Todd J., 4,819,252, Cl. 375-122.000.
  Fernsler, Ronald E., 4,827,194, Cl. 315-371.000.
  Furrey, John H., 4,858,015, Cl. 358-242.000.
  Furrey, John H., 4,860,107, Cl. 358-184.000.
  Hale, John R., 4,813,991, Cl. 65-139.000.
  Hale, John R., 4,813,992, Cl. 65-140.000.
  Hale, John R., 4,824,459, Cl. 65-59.260.
  Hale, John R., 4,859,226, Cl. 65-139.000.
  Keenan, Douglas M., 4,866,434, Cl. 340-825.720.
  Rodriguez-Cavazos, Enrique; Wetta, Steven C.; Smith, Lawrence E.; and Henig, Sammy S., 4,866,525, Cl. 358-190.000.
  Stephens, Joseph C.; Smith, Lawrence E.; and Boyer, Michael E., 4,812,719, Cl. 315-411.000.
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  Arditty, Herve ; and Lefevre, Herve, 4,842,409, Cl. 356-350.000.
  Arditty, Herve ; and Puech, Claude, 4,868,551, Cl. 340-712.000.
  Arques, Marc, 4,827,145, Cl. 250-578.000.
  Auneau, Gisele; and Boulanger, Alain, 4,881,048, Cl. 331-14.000.
  Ayrai, Jean L.; Maillot, Christian; and Micheron, Francois, 4,818,877, Cl. 250-484.100.
  Barre, Lucien, 4,859,631, Cl. 437-209.000.
  Benahim, Guy; Dutaut, Jean-Michel; and Giraudon, Jean-Claude, 4,890,070, Cl. 330-296.000.
  Benhamou, Andre, 4,861,998, Cl. 250-339.000.
  Berger, Jean L.; and Arques, Marc, 4,797,546, Cl. 250-214.00R.
  Berger, Jean L.; and Arques, Marc, 4,797,560, Cl. 250-578.000.
  Berger, Jean L.; and Arques, Marc, 4,810,881, Cl. 250-370.010.
  Berger, Jean L.; Brissot, Louis; and Cazaux, Yvon, 4,819,067, Cl. 357-24.000.
  Berger, Jean L., 4,833,539, Cl. 358-213.310.
  Berry, Georges; Woillez, Jean-Paul; and Lehier, Herve , 4,866,700, Cl. 370-58.100.
  Bertalan, Philippe, 4,887,346, Cl. 29-600.000.
  Billet, Daniel, 4,835,747, Cl. 367-164.000.
  Boucharlat, Gilles; Cazaux, Yvon; and Chabbal, Jean-Joseph, 4,819,072, Cl. 358-213.290.
  Boucharlat, Gilles, 4,839,911, Cl. 377-57.000.
  Boudot, Marianne; and Heitzmann, Michel, 4,864,384, Cl. 357-68.000.
  Bouron, Jean P., 4,847,608, Cl. 340-747.000.
  Bouron, Jean P.; Giroux, Daniel; and Rousseau, Pierre, 4,859,997, Cl. 340-752.000.
  Brechard, Dominique; and Laurent, Pierre-Andre, 4,852,098, Cl. 371-37.000.
  Brechard, Dominique; and Laurent, Pierre-Andre, 4,888,778, Cl. 371-37.400.
  Broussoux, Dominique; Micheron, Francois; Staron, Alain; and Trotel, Jacques, 4,812,647, Cl. 250-227.000.
  Buisson, Jean-Michel; and Soubrier, Jean-Marie, 4,844,637, Cl. 341-23.000.
  Cachier, Gerard, 4,876,239, Cl. 505-1.000.
  Cazaux, Yvon, 4,862,274, Cl. 358-213.240.
  Cazaux, Yvon; Thenoz, Yves; Herault, Didier; and Blanchard, Pierre, 4,873,562, Cl. 357-24.000.
  Cazaux, Yvon; Herault, Didier; Thenoz, Yves; and Blanchard, Pierre, 4,878,103, Cl. 357-24.000.
  Chautemps, Jacques; and Vidal, Andre, 4,881,249, Cl. 377-60.000.
  Cheysson, Francoise; and Migozzi, Jean B., 4,830,464, Cl. 350-174.000.
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  Choisnet, Joel, 4,797,603, Cl. 324-60.0CD.
  Collin, Robert, 4,853,652, Cl. 330-294.000.
  Coutures, Jean-Louis, 4,831,621, Cl. 370-114.000.
  Coutures, Jean-Louis, 4,885,626, Cl. 377-58.000.
  de Chambost, Emmanuel, 4,798,953, Cl. 250-310.000.
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  Defranould, Philippe; and Verroust, Marc, 4,821,004, Cl. 333-143.000.
  Diamand, Felix, 4,879,581, Cl. 357-3.000.
  Drabowitch, Serge, 4,853,701, Cl. 342-139.000.
  Drabowitch, Serge; and Bouko, Jean, 4,857,936, Cl. 342-368.000.
  Dubois, Jean-Claude; Le Barny, Pierre; Spassky, Nicolas; Esselin, Sophie; Noel, Claudine; Lacoudre, Nicole; and Leborgne, Alain, 4,824,923, Cl. 536-298.000.
  Duthoit, Francois, 4,812,759, Cl. 324-226.000.
  Eouzan, Jean Y.; and Heurtaux, Jean C., 4,845,382, Cl. 307-353.000.
  Fleury, Georges; and Epsztein, Bernard, 4,837,522, Cl. 330-149.000.
  Fouche, Yvon; Elleaume, Philippe; and Drabowitch, Serge, 4,864,221, Cl. 324-83.00R.
  Funck, Ronald; and Henry, Raymond, 4,812,895, Cl. 357-69.000.
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  Genevieve, Deville, 4,890,189, Cl. 361-222.000.
  Georgel, Jean; Monvoisin, Jacques; and Trubert, Valdo, 4,808,254, Cl. 156-245.000.
  Girard, Bernard, 4,873,528, Cl. 343-770.000.
  Gombert, Jean; Quinty, Christian; Gazard, Maryse; and Blaison, Serge, 4,853,258, Cl. 427-169.000.
  Gragnolati, Claude; Thollon, Didier; and Malcor, Jean-Georges, 4,839,872, Cl. 367-180.000.
  Guerin, Bernard; Coateval, Gilbert; and Cojan, Yves, 4,849,620, Cl. 250-203.00R.
  Huignard, Jean P.; and Puech, Claude, 4,864,312, Cl. 342-375.000.
  Huignard, Jean P.; and Herriau, Jean P., 4,877,312, Cl. 350-354.000.
  Huignard, Jean Pierre; and Meyzonnette, Jean Louis, 4,836,629, Cl. 350-3.730.
  Huignard, Jean-Pierre; Loiseaux, Brigitte; de Monchenault, Gauthier H.; and Puech, Claude, 4,847,521, Cl. 307-425.000.
  Kuntzmann, Jean C.; and Santonja, Noel, 4,871,950, Cl. 315-393.000.
  Lagier, Michel, 4,883,143, Cl. 181-286.000.
  Laurent, Pierre A., 4,799,241, Cl. 375-113.000.
  Lefevre, Herve; and Bann, Sambath, 4,836,645, Cl. 350-96.170.
  Lefevre, Herve, 4,865,449, Cl. 356-345.000.
  Lefevre, Herve; and Rolly, Didier, 4,871,254, Cl. 356-350.000.

  - Lefevre, Herve; Rojas, Dominique; and Turpin, Marc, 4,882,716, Cl. 367-149.000.
  - Le Pesant, Jean-Pierre; Hareng, Michel; Huignard, Jean-Pierre; Herriau, Jean-Pierre; Mourey, Bruno; and Perbet, Jean-Noel, 4,818,052, Cl. 350-96.150.
  - Maerfeld, Charles; and Gelly, Jean F., 4,870,972, Cl. 128-662.030.
  - Malter, Remi, 4,860,323, Cl. 375-111.000.
  - Mamodaly, Narquise; and Bert, Alain, 4,839,712, Cl. 357-51.000.
  - Meunier, Paul L.; Huijer, Ernst; Razeghi, Manijeh; and Lehureau, Jean C., 4,827,218, Cl. 324-252.000.
  - Meunier, Paul L.; Razeghi, Manijeh; and Rolland, Jean L., 4,849,842, Cl. 360-122.000.
  - Meunier, Paul-Louis; Doriath, Gerard; and Razeghi, Manijeh, 4,823,083, Cl. 324-244.000.
  - Meyzonnette, Jean L.; Remy, Bertrand; and Pressiat, Robert, 4,887,310, Cl. 455-604.000.
  - Micheron, Francois; and Broussoux, Dominique, 4,818,857, Cl. 250-213.00R.
  - Migozzi, Jean-Blaise; and Maureau, Claude, 4,810,056, Cl. 350-131.000.
  - Mischler, Denis; and Cairos, Jean Yves, 4,843,629, Cl. 382-6.000.
  - Molaine, Andre ; and Poitevin, Jean, 4,818,962, Cl. 333-239.000.
  - Montheil, Jean C., 4,811,020, Cl. 342-159.000.
  - Monvoisin, Jacques; and Trubett, Valdo, 4,862,188, Cl. 343-840.000.
  - Munier, Bernard; de Groot, Paul; Weisbuch, Claude; Moiroud, Guy; and Henry, Yves, 4,829,355, Cl. 357-30.000.
  - Pavlidis, Dimitrios; Archambault, Yves; and Karapuperis, Leonidas, 4,827,319, Cl. 357-14.000.
  - Perbet, Jean N.; Hareng, Michel; and Mourey, Bruno, 4,824,216, Cl. 350-346.000.
  - Perrin, Jacques; and Sinaud, Pascal, 4,343,459, Cl. 358-93.000.
  - Pham, Ngu T., 4,815,114, Cl. 377-110.000.
  - Ploix, Jean L.; and Trotel, Jacques, 4,807,270, Cl. 378-146.000.
  - Posseme, Gilles, 4,808,923, Cl. 324-207.000.
  - Prevot, Julien; Chabani, Kamel; Courgeon, Michel; Duquenoy, Denis; Duquenoy, Roger; and Le Navenec, Regis, 4,868,971, Cl. 29-602.100.
  - Ricaud, Jean-Luc; and Plos, Bernard, 4,823,045, Cl. 313-371.000.
  - Robin, Leon; and Roger, Dominique, 4,814,769, Cl. 342-45.000.
  - Rougeot, Henri, 4,799,094, Cl. 357-30.000.
  - Rouger, Jean-Michel; Denis, Gilles; and Liabeuf, Bernard, 4,835,498, Cl. 333-205.000.
  - Rouille, Philippe; and Jezequel, Roland, 4,812,000, Cl. 350-6.600.
  - Rouvrais, Bernard; Kerdranvat, Michel; and Robert, Philippe, 4,853,775, Cl. 358-105.000.
  - Sauzade, Jean-Denis; and L'Hote, Manuel, 4,878,152, Cl. 361-386.000.
  - Szydlo, Nicolas; Perbet, Jean N.; and Kasprzak, Rolande, 4,810,637, Cl. 437-15.000.
  - Tinet, Claude, 4,856,108, Cl. 369-46.000.
  - Tinet, Claude, 4,868,808, Cl. 369-275.000.
  - Tran, Duc T.; and Faillon, Georges, 4,827,192, Cl. 315-5.390.
  - Tung, Pham N., 4,814,835, Cl. 357-22.000.
  - Vatoux, Sylvie; Papuchon, Michel; and Lefevre, Herve, 4,880,288, Cl. 350-96.120.
  - Vieux, Gerard; Rougeot, Henri; and Diaz, Francis, 4,862,006, Cl. 250-483.100.
  - Vinter, Borge; and Tardella, Armand, 4,806,998, Cl. 357-22.000.
  - Warnan, Francois; Barbot, Joel;; and Brochard, Claude, 4,861,297, Cl. 441-33.000.
- Thomson-CSF-S.C.P.I.: *See—*
  - Andrieu, Jean P.; Gault, Dominique; and Henri, Jean C., 4,872,013, Cl. 342-135.000.
- Thomson, David L., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fast significant sample detection for a pitch detector. 4,803,730, 2-7-89, Cl. 381-49.000.
- Thomson, David L.: *See—*
  - Prezas, Dimitrios P.; and Thomson, David L., 4,890,328, Cl. 381-38.000.
- Thomson Electromenager S.A.: *See—*
  - Rilly, Gerard; and Jeanneteau, Laurent, 4,847,746, Cl. 363-132.000.
- Thomson Electron Tubes and Devices Corporation: *See—*
  - Seats, Peter, 4,827,182, Cl. 313-431.000.
  - Seats, Peter, 4,827,183, Cl. 313-431.000.
- Thomson, Graham C., III: *See—*
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- Thomson Grand Public: *See—*
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- Thomson Hybrides et Microondes: *See—*
  - Camiade, Marc; Bert, Alain; and Savary, Pierre, 4,868,526, Cl. 331-117.0FE.
  - Derewonko, Henri; Adam, Didier; Delagebeaudeuf, Daniel; and Resneau, Patrick, 4,872,049, Cl. 357-68.000.
  - Forterre, Gerard, 4,808,949, Cl. 333-1.100.
  - Le Corre, Jean-Luc; and Noel, Georges, 4,815,583, Cl. 198-396.000.
  - Prevot, Julien; and Bonnet, Jean-Pierre, 4,868,528, Cl. 332-163.000.
  - Stevance, Jean; Klein, Edmond; and Lleti, Georges, 4,847,571, Cl. 331-96.000.
  - Sylviane, Bitoune; Grossier, Francois; LeCreff, Maurice; Ralala, Gerard; and Geffroy, Dominique, 4,808,919, Cl. 324-158.00F.
  - Tournereau, Alain; Richard, Alain; Dumas, Daniel; and Egea, Guy, 4,807,956, Cl. 350-96.200.
  - Turina Mallard, Nathalie; and Lleti, George, 4,811,079, Cl. 357-56.000.
- Thomson Industries, Inc.: *See—*
  - Mugglestone, Peter R.; and Rogers, Alfred M., 4,815,862, Cl. 384-43.000.
- Thomson, James W., to Cetus Corporation. Stable formulation of biologically active proteins for parenteral injection. 4,816,440 3-28-89, Cl. 514-12.000.
- Thomson, Meredith C., to Kusel Equipment Company. Counterflow washer and cooler apparatus. 4,829,890, 5-16-89, Cl. 99-455.000.
- Thomson, Meredith C., to Kusel Equipment Company. Method of washing and cooling a dairy product. 4,879,129, 11-7-89, Cl. 426-506.000.
- Thomson, Robert W.; and Spector, George. Firebooster. 4,810,173, 3-7-89, Cl. 417-411.000.
- Thomson, Ronald M.; and Taleyarkhan, Rusi P., to Westinghouse Electric Corp. BWR fuel assembly channel with localized neutron absorber strips for LPRM calibration. 4,818,471, 4-4-89, Cl. 376-254.000.
- Thomson Saginaw Ball Screw Co., Inc.: *See—*
  - Benton, Robert L.; and Rutkiewicz, Joseph A., 4,859,394, Cl. 264-225.000.
- Thomson Semiconducteurs: *See—*
  - Bernard, Patrick, 4,812,817, Cl. 341-172.000.
  - Bocquet, Christian, 4,852,022, Cl. 364-200.000.
  - Bocquet, Cristian, 4,878,195, Cl. 364-900.000.
  - Chevalier, Christophe, 4,845,673, Cl. 365-149.000.
  - de Ferron, Gerard S.; and Fruhauf, Serge, 4,835,423, Cl. 307-584.000.
  - Fensch, Thierry; and Compagne, Eric, 4,805,214, Cl. 379-399.000.
  - Fruhauf, Serge; and Marquot, Alexis, 4,860,258, Cl. 365-194.000.
  - Limisimaque, Gilles, 4,870,574, Cl. 364-300.000.
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  - Moreau, Jean-Michel, 4,823,091, Cl. 328-140.000.
  - Rouault, Gwenael; and Guerner, Herve, 4,849,367, Cl. 437-41.000.
- Thomson, Stewart L.: *See—*
  - Edwards, Wallace L.; and Thomson, Stewart L., 4,800,771, Cl. 74-467.000.
- Thomson, Thomas H., to Staodynamics, Inc. Nerve fiber stimulation using plural equally active electrodes. 4,803,988, 2-14-89, Cl. 128-421.000.
- Thomson, Timothy; and Jones, Cindy J., to Dow Chemical Company. The Production of cellulose ethers using a premix of alkali and etherifying agent. 4,845,206, 7-4-89, Cl. 536-84.000.
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- Thomson Video Equipement: *See—*
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- Thomson Video Equipment: *See—*
  - Grimaldi, Jean L.; Dellion, Raymond; and Michaud, Pierre, 4,868,663, Cl. 358-209.000.
- Thone, Gerard F.: *See—*
  - Weierstall, Richard P.; Enever, Robin P.; Brunelle, Kathleen L.; Thone, Gerard F.; and Warner, Ronald N., 4,861,591, Cl. 424-690.000.
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- Thoo, Yin C.: *See—*
  - Ranjith, Heva M. P.; and Thoo, Yin C., 4,798,731, Cl. 426-522.000.
- Thoor, Henry: *See—*
  - Marie, Daniel; Rostan, Michel; Luco, Marc; and Thoor, Henry, 4,848,753, Cl. 266-117.000.
- Thoor, Henry A., to Stein Heurtey Societe Anonyme. Buffer stop device for a side loading furnace. 4,832,154, 5-23-89, Cl. 185-27.000.
- Thor S.A.: *See—*
  - Sardou, Max A., 4,883,289, Cl. 280-684.000.
- Thoraval, Maurice: *See—*
  - Dumas, Jean-Claude; Thoraval, Maurice; and Genuit, Gerard, 4,840,221, Cl. 165-41.000.
- Thorax, Didier; and Marotel Gerard, to Compagnie d'Electronique et de Piezo-Electricite C.E.P.E. An improvement in a device for high accuracy thermal regulations of an enclosure. 4,888,471, 12-19-89, Cl. 219-501.000.
- Thorbecke, G. Jeanette; and Zucker, Marjorie B., to New York University. Composition containing a peptide fragment of platelet factor four and method for restoring suppressed immune responses. 4,844,895, 7-4-89, Cl. 424-88.000.
- Thoren, Mats: *See—*
  - Brannstrom, Roine; Lindblad, Evert; Malmkvist, Leopold; Masson, Martin; and Thoren, Mats, 4,848,276, Cl. 122-4.00D.
- Thorengaard, Bitten, to Danochemo A/S. Method of preparing powdered, free-flowing tocopheryl succinate. 4,870,196, 9-26-89, Cl. 549-410.000.
- Thorez, Alain: *See—*
  - Besson, Bernard; Kalck, Philippe; and Thorez, Alain, 4,889,957, Cl. 568-454.000.
- Thorfinnson, Bradley S., to BASF Corporation. Process for the preparation of cyanate resin-based prepregs and films which maintain their tack. 4,876,153, 10-24-89, Cl. 428-447.000.
- Thorman, John M.: *See—*
  - Cova, Dario R.; and Thorman, John M., 4,820,385, Cl. 203-2.000.
  - Cova, Dario R.; and Thorman, John M., 4,867,849, Cl. 203-28.000.

- Thormer, Joachim: *See—*
  - Buding, Hartmuth; Szentivanyi, Zsolt; and Thormer, Joachim, 4,829,128, Cl. 525-329.600.
  - Obrecht, Werner; Goossens, John; Mirza, Jean; Pabst, Jurgen; Thormer, Joachim; and Szentivanyi, Zsolt, 4,826,721, Cl. 428-252.000.
- Thorn, Brent A.; and Hill, William. Method of and apparatus for spraying. 4,857,367, 8-15-89, Cl. 427-348.000.
- Thorn, David W.; Patel, Rajendra; Coley, Gerald; Trivedi, Ashok; and Patel, Girish, to Network Access Corporation. Apparatus and method for providing existing telephone switching equipment with the capability of using the SS7 protocol. 4,853,955, 8-1-89, Cl. 379-230.000.
- Thorn EMI Electronics Limited: *See—*
  - Bradford, William R., 4,877,315, Cl. 350-451.000.
  - Clutterbuck, Richard C. D., 4,811,665, Cl. 102-427.000.
  - Marzolini, Remo G. A., 4,811,392, Cl. 380-9.000.
- THORN EMI Flow Measurement Limited: *See—*
  - Imiolex, Mieczyslaw; and Alexander, Arthur, 4,847,599, Cl. 340-605.000.
  - Markland, Eric; Tofield, Graham M.; Lucas, Gary P.; and Kalsi, Hardyal S., 4,838,091, Cl. 73-861.190.
- Thorn EMI Malco, Incorporated: *See—*
  - Linden, Lawrence F., 4,827,425, Cl. 364-478.000.
- Thorn EMI Patents Limited: *See—*
  - Cromley, Peter W.; Fellerman Bernard F.; and Goodchild, Graham H., 4,864,104, Cl. 219-464.000.
  - Cromley, Peter W.; Fellerman, Bernard F.; and Goodchild, Graham H., 4,868,371, Cl. 219-464.000.
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  - Balderson, Simon, 4,827,108, Cl. 219-543.000.
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  - Best, Stuart J.; and Willard, Reginald A., 4,876,617, Cl. 360-60.000.
  - Catherall, Colin L. R.; and Fuller, Martin J., 4,806,825, Cl. 313-486.000.
  - Eddowes, Mark J., 4,839,000, Cl. 204-1.00T.
  - Hughes, Christopher J., 4,816,672, Cl. 250-231.0SE.
  - Hurst, Derek P., 4,806,828, Cl. 313-558.000.
  - Hurst, Derek P., 4,827,188, Cl. 313-559.000.
  - Parker, Keith E.; and Scott, Martin G., 4,808,882, Cl. 313-625.000.
  - Pavelin, Ernest J., 4,829,412, Cl. 362-294.000.
  - Pavelin, Ernest J., 4,879,638, Cl. 362-294.000.
  - Shaw, John E. A.; and Webb, Brian C., 4,879,904, Cl. 73-517.00R.
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  - Benes, Ewald; Berlinger, Paul; and Thorn, Gernot, 4,817,430, Cl. 73-579.000.
  - Benes, Ewald; Viehbock, Franz; Stori, Herbert; Thomas, Friedrich-Werner; and Thorn, Gernot, 4,843,246, Cl. 250-491.100.
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  - McIntosh, R. Bruce; and Thern, Royal G., 4,884,783, Cl. 254-343.000.
- Thorn, John E., to Therma-Tru Corp. Method of making a bevelled glass assembly. 4,813,990, 3-21-89, Cl. 65-105.000.
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  - Marshall, James R.; and Thorn, Mary F., 4,857,261, Cl. 376-248.000.
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  - White, Harold J.; House, Richard M.; and Vaughn, Worsel, 4,803,817, Cl. 52-235.000.
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  - Lieberman, Ephraim; Bordoni, Maurice; and Thornton, Alfred, 4,849,209, Cl. 424-1.100.
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- Thornton, Roy J.; and Rodriguez, Susan B. Wine making inoculants and related means and methods. 4,830,968, 5-16-89, Cl. 435-255.000.
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- Thorogood, Robert M.; and Roden, Thomas M., to Air Products and Chemicals, Inc. Air separation process with waste recycle for nitrogen and oxygen production. 4,869,742, 9-26-89, Cl. 62-32.000.
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- Thorp, Graham M.; Allchin, James F. C.; Marquis, Geoffrey F.; Burattini, Dino; and Watt, Peter J. Cable ducting system. 4,858,401, 8-22-89, Cl. 52-100.000.
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  - Robinson, Richard D.; Willoughby, Robert A.; and Thorp, Phil D., 4,844,177, Cl. 173-12.000.
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  - Raab, Anthony R.; Thorpe, William; and Healy, Thomas P. G., 4,864,308, Cl. 342-351.000.
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- Thorsson, Conny, to Nobel Chematur AB. Process for the production of ethanol through molasses fermentation. 4,886,751, 12-12-89, Cl. 435-162.000.
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  - Fleischer, Hans-Joachim; Lohscheidt, Klaus; Gorres, Dieter; and Behr, Friedrich, 4,798,631, Cl. 148-3.000.
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  - Zeimes, Manfred, 4,852,523, Cl. 122-14.000.
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  - Herkens, Hermann; and Schuler, Oskar, 4,864,950, Cl. 114-40.000.
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  - Hellmann, Jens H.; Rupp, Karl-Heinz; and Varges, Gunter, 4,800,831, Cl. 114-40.000.
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- TI Interlock Limited: *See*—
  - Walter, David T., 4,883,084, Cl. 137-118.000.
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  - Prien, Walter F.; Meece, Meredith W.; and Bolthouse, John H., II, 4,822,254, Cl. 417-368.000.
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  - Robinson, Larry A.; and Robinson, Richard R., 4,877,235, Cl. 271-279.000.
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  - Olivenbaum, James E., 4,875,132, Cl. 361-117.000.
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  - Roxlo, Charles B.; Deckman, Harry W.; and Tiedje, J. Thomas, 4,867,840, Cl. 156-643.000.
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  - Bakker, Eppe; and Tietjens, Eduard W., 4,811,483, Cl. 30-43.600.
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  - Huber, Floyd M.; Pieper, Richard L.; and Tietz, Anthony J., 4,885,243, Cl. 435-71.300.
- Tietz, Gary W.: *See*—
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  - Hanley, James O., 4,809,879, Cl. 221-125.000.
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  - Rissman, Owen R.; and Ho Tai, Henry T., 4,813,907, Cl. 446-175.000.
- Tiger Electronics, Inc.: *See*—
  - Arad, Avi; and Kennedy, Melvin R., 4,875,675, Cl. 272-74.000.
  - Rissman, Owen R.; and Tai, Henry T. H., 4,802,879, Cl. 446-175.000.
- TIGG Corporation: *See*—
  - Tiggelbeck, Donald D., 4,840,651, Cl. 55-479.000.
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- Tighe, Charles E.: *See*—
  - Walker, Alvin M.; and Tighe, Charles E., 4,819,672, Cl. 132-75.000.
- Tighe, Laurence E.; and Parker, Tim, to Dennison Manufacturing Company. Localized microwave radiation heating. 4,864,089, 9-5-89, Cl. 219-10.55E.
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  - Jones, Raymond D., 4,866,562, Cl. 361-119.000.
  - Smith, Thomas J., 4,853,960, Cl. 379-437.000.
- Tiitola, Antti-Jussi; and Pohja, Kari, to Karhu-Titan Oy. Shoe, method for manufacturing the same, and sole blank therefor. 4,876,807, 10-31-89, Cl. 36-114.000.
- Tijssen, Johannes: *See*—
  - Evens, Georges G.; Tijssen, Johannes; and Coosemans, Luc M. C., 4,868,264, Cl. 526-336.000.
- Tikai, Franz; and Krenzer, Ulrich, to Hertel AG Werkzeuge & Hartstoffe. Twist drill. 4,826,368, 5-2-89, Cl. 408-225.000.
- Tikhtman, Jacob: *See*—
  - Huber, James V.; and Tikhtman, Jacob, 4,825,078, Cl. 250-372.000.
- Tikka, Panu; and Virkola, Nils E., to Oy Advanced Forest Automation Ab. Method of determining rapidly the concentration of the total sulphur dioxide and the lignosulphonate present in sulphite pulping process liquors. 4,889,593, 12-26-89, Cl. 162-49.000.
- Tikkanen, Tim, to Panel International Ltd. p.l.c. Sieve plate. 4,876,008, 10-24-89, Cl. 210-498.000.
- Tiku, Shiban K.: *See*—
  - Plumton, Donald L.; and Tiku, Shiban K., 4,843,033, Cl. 437-161.000.
- Tilcon Tomasso: *See*—
  - Hurley, Irvin H., Jr., 4,874,283, Cl. 414-504.000.

Tilden, Mark D., to Tektronix, Inc. Programmable comparator output filter. 4,862,138, 8-29-89, Cl. 340-146.200.

Tildesley, James M. G. Method of making diecast inserts. 4,825,932, 5-2-89, Cl. 164-113.000.

Tildesley, James M. G., to P.S.M. Fasteners Limited. Diecast screwthreaded inserts and method of making them. 4,842,462, 6-27-89, Cl. 411-180.000.

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Schaefer, Robert E.; Broney, Scott C.; and Chesney, Joseph J., Jr., 4,833,178, Cl. 523-428.000.

Tilghman, Stephen E.: *See—*

Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr., Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.

Till, Edwin: *See—*

Kronberger, Maximilian; and Till, Edwin, 4,819,871, Cl. 239-533.300.

Till, Henry R.: *See—*

Watson, P. Keith; Till, Henry R.; and Croucher, Melvin D., 4,804,601, Cl. 430-32.000.

Till, Konrad, to KM Werkzeugmaschinen GmbH. Carriage for machine tools. 4,806,052, 2-21-89, Cl. 409-231.000.

Tillement, Pierre; and Greffioz, Andre, to Forest Line of B.P. Device for automatically shaping a sheet of fibres on a mould, and apparatuses comprising such a device. 4,842,684, 6-27-89, Cl. 156-538.000.

Tiller, Hans-Jurgen: *See—*

Breitbarth, Friedrich-Wilhelm; Tiller, Hans-Jurgen; Grosch, Michael; Schmidt, Albert; Janda, Ralf; and Oppawsky, Steffen, 4,799,753, Cl. 350-96.180.

Tillery, John T., to United States of America, Army. Illuminating bezel. 4,875,200, 10-17-89, Cl. 368-67.000.

Tillin, Inc.: *See—*

MacFarlane, John O., deceased; and MacFarlane, John A., executrix, 4,846,890, Cl. 106-141.000.

Macfarlane, John O., deceased; and MacFarlane, John A., personal representative, 4,859,480, Cl. 426-310.000.

Tillman, Anne-Marie: *See—*

Rowell, Roger M.; Simonson, Rune; and Tillman, Anne-Marie, 4,804,384, Cl. 8-121.000.

Tillman, Duane E. Ice fishing assembly. 4,794,718, 1-3-89, Cl. 43-4.000.

Tillman, Ennis L.; and Caldwell, James R., to Whirlpool Corporation. Vacuum cleaner wand release structure. 4,880,258, 11-14-89, Cl. 285-7.000.

Tillotson Limited: *See—*

Devine, John, 4,810,427, Cl. 261-35.000.

Kenny, Brian P.; and Bowles, Roger A., 4,877,560, Cl. 261-35.000.

Scott, William A.; and Dull, Carl, 4,820,454, Cl. 261-64.400.

Scott, William A.; and Hutchinson, Mark A., 4,824,613, Cl. 261-35.000.

Tilly, Lynn K.: *See—*

Birchfield, James M.; Molinaro, Ralph A.; and Tilly, Lynn K., 4,805,924, Cl. 280-752.000.

Tillyard, Malcolm: *See—*

Hanson, Raymond; Tillyard, Malcolm; and Allen, Christopher M., 4,876,434, Cl. 219-215.000.

Tilman, Menachem: *See—*

Gross, Joseph; Lowenstein, David; Tilman, Menachem; Rosenberg, Etan; and Orian, Amelia, 4,794,830, Cl. 81-466.000.

Gross, Joseph; Lowenstein, David; Tilman, Menachem; and Rosenberg, Etan, 4,858,600, Cl. 128-65.000.

Tilman, Menahem: *See—*

Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,807,624, Cl. 128-355.000.

Gross, Joseph; Lowenstein, David; Tilman, Menahem; and Rosenberg, Etan, 4,825,867, Cl. 128-355.000.

Keidar, Itzhak; Dromi, Asher; Tilman, Menahem; and Harel, Joseph, 4,886,161, Cl. 206-246.000.

Tilman, Paul A.; Machacek, Zdenek; and Scott, Richmond, to Minigrip, Inc. Method of and apparatus for extruding bag making material having fastener profiles and alignment ribs, with reinforcing and stabilizing beam effect ridge means. 4,822,539, 4-18-89, Cl. 264-40.100.

Tilman, Paul A., to Minigrip, Inc. Attachment of a thermoplastic extruded fastener to a non-extensible web. 4,824,497, 4-25-89, Cl. 156-66.000.

Tilman, Paul A.: *See—*

Borst, Herbert A.; MacHacek, Zdenek; Schnittger, Ernest; Schulte, Richard D.; Scott, Richmond; and Tilman, Paul A., 4,842,135, Cl. 206-328.000.

Tilman, Ted N.: *See—*

Hugin, Peter E.; and Tilman, Ted N., 4,822,961, Cl. 200-16.00R.

Tilmans, Heinz: *See—*

Glaeser, Karl C.; Lohmuller, Detlef; Tilmans, Heinz; Genuit, Klaus; Cardinal, Joachim; and Buhr, Gerhard, 4,814,632, Cl. 307-116.000.

Tilney, Catherine. Food exchanges kit, and methods of constructing and utilizing same. 4,828,498, 5-9-89, Cl. 434-127.000.

Tilotta, David C.: *See—*

Fateley, William G.; and Tilotta, David C., 4,856,897, Cl. 356-301.000.

Tilquin, Francois: *See—*

Bonnet, Evelyne; and Tilquin, Francois, 4,826,623, Cl. 252-308.000.

Tilse, Wilhelm, to Inovan GmbH & Co. KG. Cable connector. 4,842,545, 6-27-89, Cl. 439-393.000.

Tilse, Wilhelm, to Inovan GmbH & Co. KG. Metalle und Bauelemente. Optical fiber connector. 4,871,227, 10-3-89, Cl. 350-96.210.

Tilsley, Stephen R.; and MacCarthy, Ian P., to Metsec plc. Wall construction. 4,817,355, 4-4-89, Cl. 52-407.000.

Tilton, Herbert. Self-contained tiltable basket for plating, washing or otherwise treating hollow articles. 4,817,650, 4-4-89, Cl. 134-76.000.

Tilton, McLane; Lindo, John E.; and Sorce, Raymond A. Carbon to carbon friction clutch. 4,846,326, 7-11-89, Cl. 192-70.190.

Tilton, Richard A.: *See—*

Braski, Michael T.; Everett, Dwight H.; Hamacher, John C.; Mueller, J. Samuel; Robusto, Paul F.; and Tilton, Richard A., 4,813,127, Cl. 29-825.000.

Braski, Michael T.; Wissman, Charles H.; Tilton, Richard A.; and Robusto, Paul F., 4,879,721, Cl. 372-18.000.

Tima, Milan-Josef: *See—*

Sirinyan, Kirkor; Laue, Hans-Joachim; Merten, Rudolf; Michael Dietrich; and Tima, Milan-Josef, 4,861,663, Cl. 428-409.000.

Timar, Peter: *See—*

Cser, Gyula; Csikos, Antal; and Timar, Peter, 4,858,569, Cl. 12- 52.0MB.

Timar, Tibor; Zsupan, Kalman; Repasi, Janos; Borsos nee Safranek, Iren; Kiss, Istvan; Fodor, Andras; and Maroy, Peter, to Alkaloida Vegyeszeti Gyar. Chromene derivatives and pesticidal compositions comprising the same. 4,866,089, 9-12-89, Cl. 514-456.000.

Timberg, Lloyd M.: *See—*

Victorovich, Grigori S.; Diaz, Carlos M.; O'Neill, Charles E.; Bell, James A. E.; and Timberg, Lloyd M., 4,802,916, Cl. 75-24.000.

Timberlake, William E.; Hamer, John E.; and Yelton, M. Melanie, to University of California, The Regents of the. Vectors for transformation by ascomycetes. 4,816,405, 3-28-89, Cl. 435-252.330.

Timberline Supply: *See—*

Walla, Gregg W., 4,838,624, Cl. 312-221.000.

Timbrook, Donald J. Baby bottle holder. 4,865,239, 9-12-89, Cl. 224-267.000.

Time Management Corporation: *See—*

Webb, Frederick W., Jr.; Almendinger, Allen D.; Bright, Kevin L.; Hendren, Kenneth J.; Petersen, Donald D.; Dandrea, Michael B.; and Carlson, Wesley R., 4,819,162, Cl. 364-401.000.

Timelapse, Inc.: *See—*

Sobut, Bruce, 4,862,163, Cl. 340-940.000.

Timerdahl, Ake; and Angseryd, Jan. Valve arrangement for hand operated dental tools. 4,863,379, 9-5-89, Cl. 433-28.000.

Timesavers, Inc.: *See—*

David, Eugene C., 4,837,984, Cl. 51-326.000.

David, Eugene C., 4,864,775, Cl. 51-142.000.

Timeter Instrument Corporation: *See—*

Vacirca, Joseph S., 4,848,163, Cl. 73-861.520.

Timewell, Richard R., to H.P.G. Research Ltd. Electrical conditioning system for electrodes in an electrolysis cell. 4,795,537, 1-3-89, Cl. 204-129.000.

Timex Corporation: *See—*

Galie, Louis M.; Sedlak, Adolf; and Stotz, Gerhard, 4,886,988, Cl. 310-49.00R.

Houlihan, John T., 4,819,217, Cl. 368-10.000.

Olsen, Fred, 4,847,818, Cl. 368-10.000.

Plancon, Michel; and Bertris, Michel, 4,888,507, Cl. 310-40.0MM.

Reichel, Judith; and Olsen, Kristin M., 4,862,435, Cl. 368-282.000.

Schwartz, Herbert; and Stotz, Gerhard, 4,795,930, Cl. 310-49.00R.

Schwartz, Herbert; and Wuthrich, Paul, 4,888,749, Cl. 368-157.000.

Thinesen, Tom; Houlihan, John; Reichel, Judith; and Olsen, Fred, 4,847,820, Cl. 368-282.000.

Thinesen, Tom, 4,887,249, Cl. 368-10.000.

Wuthrich, Paul; and Kaulins, Edward, 4,800,545, Cl. 368-190.000.

Timken Company, The: *See—*

Ballas, Thomas A.; Harbottle, William E.; and Keller, Russell W., 4,800,552, Cl. 33-552.000.

Cameron, Robert W.; Dressler, Gary J.; and Hartline, Jack L., 4,842,100, Cl. 184-6.200.

Hoeprich, Michael R., 4,877,340, Cl. 384-571.000.

Otto, Dennis L., 4,799,808, Cl. 384-481.000.

Otto, Dennis L., 4,808,012, Cl. 384-482.000.

Otto, Dennis L., 4,819,949, Cl. 277-29.000.

Timlin, Patrick M. Portable tire changing stand. 4,800,942, 1-31-89, Cl. 157-1.240.

Timm, Gerald W.; and Sundquist, Stephen K., to Dacomed Corporation. Position stable segmented column penile prosthesis. 4,881,5 11-21-89, Cl. 128-79.000.

Timm, Jurgen; Paulet, Jean-Francois; and Maier, Jorg, to Swiss Aluminium Ltd. Aluminum alloy product with uniformly grey, light-fast surface and process for its manufacture. 4,806,211, 2-21-89, Cl. 204-29.000.

Timm, Jurgen: *See—*

Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,800,95 Cl. 164-467.000.

Crona, Theodore J.; Bichsel, Heinz; and Timm, Jurgen, 4,802,93 Cl. 148-437.000.

Homberger, Heinrich; Timm, Jurgen; and Rodriques, Pedro, 4,874,578, Cl. 420-541.000.

Timmann, Hinrich, to Brown, Boveri & Cie AG. Fluidized-bed reactor. 4,822,573, 4-18-89, Cl. 422-143.000.

Timme, William F. Impact apparatus. 4,850,224, 7-25-89, Cl. 73-379.0

Timmer, Hendrikus J. M.; and Lindhout, Paul, to SKF Transportwielen B.V. Swiveling wheel. 4,815,161, 3-28-89, Cl. 16-35.00R.

Timmer, Klaas; Meinena, Harmen A.; and Bulten, Eric J., to Nederlandse Organisatie voor Toegepast-Natuurwetenschappelijk Onderzoek. Method for the preparation and application of rhodium catalysts for the hydrogenation of aromatic and other unsaturated compounds under mild condition. 4,831,008, 5-16-89, Cl. 502-328.000.

Timmer, Klaas; Meinema, Harmen A.; and Schurig, John E., to Nedenlandse Centrale Organisatie voor Toegepart-Natuurwetenschappelijk Onderzoek. Pharmaceutically active phospino-hydrocarbon-group VIII-metal complexes, antitumor compositions containing these complexes, and a process for preparing said compounds or antitumor compositions. 4,831,170, 5-16-89, Cl. 556-21.000.

Timmerman, Catherine: *See—*

Behar, Albert; Behar, Orna; Frederiksen, Lee W.; Howard-Link, Donald A.; and Timmerman, Catherine, 4,853,854, Cl. 364-413.010.

Timmerman, Daniel: *See—*

Vermeersch, Joan T.; Timmerman, Daniel; Vandenabeele, Hubert; and Vervecken, Jacques L., 4,879,209, Cl. 430-623.000.

Timmerman, Daniel M.; Marien, August M.; Van Havenbergh, Jan E.; and Van Thillo, Etienne A., to Agfa-Gevaert, N.V. Sheet or web carrying an antistatic layer. 4,828,927, 5-9-89, Cl. 428-480.000.

Timmerman, Daniel M.; Priem, Jan J.; and Janssens, Wilhelmus, to Agfa-Gevaert, N.V. Method for the preparation of stable aqueous dispersions of polymer beads and the use of these dispersions in photographic elements. 4,861,818, 8-29-89, Cl. 524-460.000.

Timmerman, Daniel M.: *See—*

Claeys, Daniel A.; Timmerman, Daniel M.; Rutges, Antonius A.; Michiels, Eddy A.; Vanmaele, Luc J.; and Kok, Piet, 4,820,608, Cl. 430-213.000.

Janssens, Wilhelmus; Timmerman, Daniel M.; and Claeys, Daniel A., 4,855,211, Cl. 430-213.000.

Vermeersch, Joan T.; Vandenabeele, Hubert; Vervecken, Jacques L.; and Timmerman, Daniel M., 4,820,613, Cl. 430-496.000.

Timmerman, Terry D.: *See—*

Schneider, David E.; and Timmerman, Terry D., 4,842,062, Cl. 166-154.000.

Timmerman, William D. L. Boat hoist. 4,850,741, 7-25-89, Cl. 405-3.000.

Timmermann, Donald N.: *See—*

Pokrandt, Glenn C.; Busser, William F.; Timmermann, Donald N.; and Kuliga, Thomas N., 4,881,921, Cl. 464-54.000.

Timmermann, Helmut: *See—*

Strauss, Werner; Timmermann, Helmut; Hasse, Werner; and Weiflen, Karl-Heinz, 4,832,835, Cl. 209-455.000.

Timmermann, Uwe: *See—*

Pospischil, Reginhard; Breitfelder, Peter; and Timmermann, Uwe, 4,797,875, Cl. 370-92.000.

Timmermans, Petrus B. M. W. M.: *See—*

Johnson, Alexander L.; Ma, Philip; Timmermans, Petrus B. M. W. M.; and Wexler, Ruth R., 4,868,181, Cl. 514-252.000.

Timmins, Peter; and Payne, Nicholas I. Steroid cream formulation. 4,883,792, 11-28-89, Cl. 514-169.000.

Timmins, Peter: *See—*

Chow, Wing-Sun; Chen, Shirley C.; and Timmins, Peter, 4,883,785, Cl. 514-31.000.

Timmons, Alban; and Davidson, Richard R., to Blue Circle Industries Limited. Process and composition for conditioning an aqueous system. 4,849,128, 7-18-89, Cl. 252-181.000.

Timmons, George A., to Amax Inc. Method of producing oxidation resistant coatings for molybdenum. 4,806,385, 2-21-89, Cl. 427-34.000.

Timmons, Gloria A.: *See—*

Timmons, John W.; and Timmons, Gloria A., 4,808,160, Cl. 604-94.000.

Timmons, John W.; and Timmons, Gloria A. Nasal cannula apparatus. 4,808,160, 2-28-89, Cl. 604-94.000.

Timmons, Michael B.; and Kreher, Neal B. Processed egg product. 4,822,630, 4-18-89, Cl. 426-614.000.

Timmons, Michael B.; and Kreher, Neal B., to Cornell Research Foundation, Inc. Processed egg product. 4,889,741, 12-26-89, Cl. 426-614.000.

Timmons, Raymond E., Jr.: *See—*

Straaver, Ronald J.; and Timmons, Raymond E., Jr., 4,867,566, Cl. 356-372.000.

Timmons, Russell M.; and Bailey, Robert W., to Black & Decker Inc. Universal backing flange. 4,794,737, 1-3-89, Cl. 51-168.000.

Timms, George D., Jr.: *See—*

DeLorme, Dennis S.; Helm, Mark L.; Lee, Wilson D.; Passe, Peter B.; Ricard, Gary R.; Timms, George D., Jr.; and Youngren, Larry W., 4,819,156, Cl. 364-200.000.

Timms, Herbert. Electronic bingo games system network and components therefor. 4,875,686, 10-24-89, Cl. 273-237.000.

Timofeev, Vladimir I.: *See—*

Ras-Zade, Artur T. O.; Kurbanov, Nariman G. O.; Sutovsky, Pavel M.; Shikhlinsky, Talat M. O.; Kakhramanov, Khalid T.; Rabinovich, Avraam M.; Karaev, Islam K. O.; Timofeev, Vladimir I.; and Ibragimov, Oktai I. O., deceased, 4,796,799, Cl. 228-155.000.

Timokhina, Valeria I.: *See—*

Akimova, Alla Y.; Buyanov, Valentin M.; Galperin, Eduard I.; Davydov, Anatoly B.; Egiev, Valery N.; Kremli, Svetlana M.; Kazovlev, Nikolai F.; Lukyanova, Natalya A.; and Timokhina, Valeria I., 4,847,065, Cl. 424-5.000.

Timoney, Eanna P.: *See—*

Timoney, Seamus G.; and Timoney, Eanna P., 4,848,789, Cl. 280-701.000.

Timoney, Seamus G.; and Timoney, Eanna P., to Technology Investments Limited. Vehicle chassis tranverse structural member. 4,848,789, 7-18-89, Cl. 280-701.000.

Timony, Peter E.: *See—*

Bay, Elliott; Leone-Bay, Andrea; and Timony, Peter E., 4,814,467, Cl. 549-246.000.

Timperi, Jukka; Vesala, Reijo; and Vikman, Vesa, to A. Ahlstrom Corporation. Fluidizing centrifugal pump. 4,877,368, 10-31-89, Cl. 415-143.000.

Timpl, Rupert; and Brocks, Dietrich, to Max-Planck-Gesellschaft zur Foerderung der Wissenschaften e.V. Process for isolating human globular domain NC1 of basal membrane collagen from human tissue. 4,798,800, 1-17-89, Cl. 435-273.000.

Timsit, Claude, to Cii Honeywell Bull. Method of recording in a disk memory and disk memory system. 4,817,035, 3-28-89, Cl. 364-900.000.

Timsit, Claude, to Cii Honeywell Bull (Societe Anonyme). Method of recording in a disk memory and disk memory system. 4,849,929, 7-18-89, Cl. 364-900.000.

Timtner, Karlheinz: *See—*

Maurer, Reprecht; and Timtner, Karlheinz, 4,838,829, Cl. 464-38.000.

Maurer, Ruprecht; and Timtner, Karlheinz, 4,798,559, Cl. 464-38.000.

Maurer, Ruprecht; Timtner, Karlheinz; and Reig, Frank, 4,809,557, Cl. 73-862.320.

Maurer, Ruprecht; and Timtner, Karlheinz. 4,856,411, Cl. 91-1.000.

Tindale, John C. Putting stroke correction device. 4,809,984, 3-7-89, Cl. 273-183.00E.

Tindall, John D., to John Waddington plc. Coating of web materials. 4,886,680, 12-12-89, Cl. 427-8.000.

Tindall, Robert J., to Kirsch Technologies, Inc. Computer memory back-up. 4,839,745, 6-13-89, Cl. 358-336.000.

Tindall, Robert J.: *See—*

Kirsch, Kerry F.; Tindall, Robert J.; and Kirsch, Jerry, 4,816,911, Cl. 358-256.000.

Tindell, Gene, to Electrical Generation Technology, Inc. Electrical energy production apparatus. 4,841,731, 6-27-89, Cl. 60-641.800.

Tinder, David V.; and Wodnicki, Glen G., to United Technologies Automotive, Inc. Remote, automotive light diverting system. 4,826,273, 5-2-89, Cl. 350-96.100.

Tinder, David V., to United Technologies Automotive, Inc. Vehicular door multiplexing system. 4,883,974, 11-28-89, Cl. 307-10.100.

Tinder, David V.: *See—*

Basson, Rochford R.; Tinder, David V.; and Wooldridge, George A., 4,882,842, Cl. 29-857.000.

Migrin, Robert S.; and Tinder, David V., 4,814,563, Cl. 200-260.000.

Tinebor, Manfred: *See—*

Karl, Heinz-Dietmar; Tinebor, Manfred; and Lackhove, Josef, 4,890,185, Cl. 361-91.000.

Tinely, Edward J.: *See—*

Hodgson, Philip K. G.; McShea, Julie A.; and Tinely, Edward J., 4,802,973, Cl. 208-207.000.

Tinet, Claude, to Thomson-CSF. Optical arrangement and a reading apparatus including detection of data elements diffractive along entire extent. 4,856,108, 8-8-89, Cl. 369-46.000.

Tinet, Claude, to Thomson-CSF. Optical disk arrangement with closed contours whose entire extent represents information. 4,868,808, 9-19-89, Cl. 369-275.000.

Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., to Allergan, Inc. Haptic to optic attachment for a soft IOL. 4,880,426, 11-14-89, Cl. 623-6.000.

Ting, Albert C.; Willis, Timothy R.; Christ, F. Richard; Bacich, Steven R.; Pettit, Dean K.; Van Gent, Stanley L.; and Day, Jeffrey C., to Allergan, Inc. Haptic to optic attachment for a soft iol. 4,888,013, 12-19-89, Cl. 623-6.000.

Ting, Albert C.: *See—*

Portney, Valdemar; and Ting, Albert C., 4,842,782, Cl. 264-1.400.

Ting, Ching-Jui; and Peng, Cheng-Jien, to Industrial Technology Research Institute. Positive temperature coefficient ceramic heating element for heating a fluid. 4,855,571, 8-8-89, Cl. 219-376.000.

Ting, Chiu H.; Rucker, Thomas G.; and Sobczak, Zbigniew P., to Intel Corporation. Chemical modification of spin-on glass for improved performance in IC fabrication. 4,885,262, 12-5-89, Cl. 437-231.000.

Ting, Edmund Y.: *See—*

Kennedy, James R.; and Ting, Edmund Y., 4,830,265, Cl. 228-203.000.

Ting, Loi-Lou; Chui, Granger K.; and King, Edward T., to Ford Motor Company. Lubricant retaining finger-follower rocker arm. 4,856,466, 8-15-89, Cl. 123-90.330.

Ting, Ming T. Combination snow blower-lawn mower. 4,833,800, 5-30-89, Cl. 37-243.000.

Ting, Raymond M. L. Externally drained wall joint design. 4,840,004, 6-20-89, Cl. 52-235.000.

Ting, Raymond M. L. Connecting means of curtainwall supporting mullions. 4,873,805, 10-17-89, Cl. 52-235.000.

Ting, Sai-Pei, to General Electric Company. Blends of an ASA terpolymer, an acrylic polymer and an acrylate based impact modifier. 4,831,079, 5-16-89, Cl. 525-71.000.

Ting, Sai-Pei, to General Electric Co. Impact modified poly(alkenyl aromatic) resin compositions. 4,882,383, 11-21-89, Cl. 525-71.000.

Ting, Sai-Pei: *See—*

Aycock, David F.; and Ting, Sai-Pei, 4,824,915, Cl. 525-397.000.

Fujii, Susumu; and Ting, Sai-Pei, 4,871,800, Cl. 525-68.000.

Tingey, Albert R.: *See—*

Samuel, James J.; and Tingey, Albert R., 4,848,300, Cl. 123-489.000.

Tingle, Joseph R. Cutting tray. 4,798,372, 1-17-89, Cl. 269-39.500.

Tingley, Harvey C., to Digital Equipment Corporation. Multi-component test fixture. 4,870,356, 9-26-89, Cl. 324-158.00F.

Tingley, William C. Boat locking device. 4,826,200, 5-2-89, Cl. 280-414.100.

Tinholt, Thomas, to Humphrey Products Company. Double-solenoid single-stem four-way valve. 4,842,020, 6-27-89, Cl. 137-625.650.

Tinker, Alan C.: *See—*

Ince, Francis; and Tinker, Alan C., 4,868,306, Cl. 546-165.000.

Tinker, Steven J., to Shell Western E&P Inc. Equilibrium fracture acidizing. 4,836,284, 6-6-89, Cl. 166-279.000.

Tinley, Raymond K. Apparatus for relieving strain on electrical lead. 4,888,572, 12-19-89, Cl. 336-65.000.

Tinner, Friedrich, to Cetec AG. Slide valve. 4,817,915, 4-4-89, Cl. 251-199.000.

Tinoco, Hernan: *See—*

Ekander, Hans; Ericson, Clas; Tallback, Gote; Tinoco, Hernan; and Ostrom, Staffan, 4,820,342, Cl. 75-10.650.

Tinsley, Judy O. Time telling educational game. 4,817,959, 4-4-89, Cl. 273-249.000.

Tinti, Jean M.: *See—*

Nofre, Claude; Tinti, Jean M.; and Chatzopoulos, Farroudja O., 4,877,895, Cl. 558-413.000.

Tinti, Maria O.; and Misiti, Domenico, to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. Process for preparing gamma-butyrobetaine. 4,806,282, 2-21-89, Cl. 260-501.130.

Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, to Sigma-Tau Industrie Farmaceutiche Riunite S.p.A. Derivatives of L-amino acyl L-carnitine, process for their preparation and pharmaceutical compositions having hepatoprotecting activity containing same. 4,812,478, 3-14-89, Cl. 514-550.000.

Tinti, Maria O.; Bagolini, Carlo A.; Misiti, Domenico; and Scolastico, Carlo, to Sigma Tau Industrie Farmaceutiche Riunite S.p.A. Derivatives of L-amino acyl L-carnitine, process for their preparation pharmaceutical compositions having hepatoprotecting activity containing same. 4,868,211, 9-19-89, Cl. 514-550.000.

Tinti, Maria O.: *See—*

Cavazza, Claudio; De Witt, Paolo; and Tinti, Maria O., 4,859,698, Cl. 514-445.000.

Tio, Cesario O.: *See—*

Abou-Gharbia, Magid A.; Yardley, John P.; and Tio, Cesario O., 4,798,896, Cl. 546-87.000.

Tiode, Eiichi: *See—*

Shikama, Shinsuke; Kondo, Mitsushige; and Tiode, Eiichi, 4,823,335, Cl. 369-112.000.

Tioxide Group PLC: *See—*

Chip, Gerald K.; and Rudin, Alfred, 4,863,973, Cl. 521-64.000.

Egerton, Terence A.; and Fothergill, Kevin A., 4,806,333, Cl. 423-625.000.

Egerton, Terence A.; Lawson, Edmund J.; and Frost, Peter W., 4,820,593, Cl. 428-698.000.

Egerton, Terence A.; Fothergill, Kevin A.; and Dransfield, Graham P., 4,851,293, Cl. 428-403.000.

Haddow, Andrew J.; and Carter, Trevor, 4,832,268, Cl. 241-5.000.

Kay, Peter D.; and McDonald, Keith, 4,874,806, Cl. 524-204.000.

Tiphaine, Jean, to Automobiles Peugeot; and Automobiles Citroen. Device for recovering gasoline vapors. 4,846,135, 7-11-89, Cl. 123-520.000.

Tipon, Donald G.; and Tran, Chinh V., to NCR Corporation. MOS no-leak circuit. 4,825,106, 4-25-89, Cl. 307-451.000.

Tipon, Donald G.: *See—*

Sanwo, Ikuo J.; Donahue, James A.; and Tipon, Donald G., 4,823,024, Cl. 307-262.000.

Tippett, Steven R.: *See—*

Cilladi, David R.; Sunderlin, Jeffrey C.; Tippett, Steven R.; and Karns, Patrick B., 4,829,992, Cl. 128-90.000.

Tippetts, John R.; and Priestman, Geoffrey H., to United Kingdom Atomic Energy Authority. Fluidic pump control systems. 4,852,613, 8-1-89, Cl. 137-805.000.

Tipping, David L.: *See—*

Plummer, Steven J.; Ina, Antoine; Tipping, David L.; and Esser, Peter D., 4,888,486, Cl. 250-363.040.

Tippmann, Dennis J. Automatic feed marking pellet gun. 4,819,609, 4-11-89, Cl. 124-72.000.

Tippmann, Eugene R. Building construction element and the machine and method for its manufacture. 4,864,788, 9-12-89, Cl. 52-309.800.

Tipps, Barney A.; and Todaro, Frank A., to Velo Bind, Inc. Cassette for bookbinding strips. 4,844,674, 7-4-89, Cl. 412-43.000.

Tipton, Craig D.; and Schwind, James J., to Lubrizol Corporation, The. Drive train fluids comprising oil-soluble transition metal compounds. 4,849,123, 7-18-89, Cl. 252-75.000.

Tipton, John R., Jr.: *See—*

Blazek, John M.; and Tipton, John R., Jr., 4,809,079, Cl. 358-335.000.

Blazek, John M.; and Tipton, John R., Jr., 4,864,425, Cl. 358-335.000.

Tipton Manufacturing Corporation: *See—*

Kobayashi, Hisamine; and Izuhara, Katsuhiro, 4,807,403, Cl. 51-313.000.

Tipton, Walter E. Machine for breaking up food containers and for recovering food product therefrom. 4,852,817, 8-1-89, Cl. 241-260.100.

Tir Systems LTD: *See—*

Whitehead, Lorne A., 4,883,341, Cl. 350-276.00R.

Tire Inflation Systems Corp.: *See—*

Mittal, Chander P., 4,862,938, Cl. 152-417.000.

Tirelli, Augusto: *See—*

Confalonieri, Pierangelo; Senderowicz, Daniel; and Tirelli, Augusto, 4,805,192, Cl. 375-25.000.

Tirkel, Anatol Z.: *See—*

Pilbrow, John R.; Troup, Gordon J. F.; Tirkel, Anatol Z.; Hutton, Donald R.; Gruner, Lucian; and McLaren, Neil R., 4,803,624, Cl. 324-316.000.

Tiroux, Josef: *See—*

Aust, Aloys; Tiroux, Josef; and Weissenfels, Franz, 4,889,875, Cl. 521-123.000.

Tirrell, David A., to Minnesota Mining and Manufacturing Company. Photosensitive phospholipid vesicles. 4,833,061, 5-23-89, Cl. 430-138.000.

Tirtoprodjo, Santono; and Leong, Ming H. Tape dispenser. 4,804,437, 2-14-89, Cl. 156-577.000.

Tisack, Peter S.: *See—*

Minnick, John H.; Spencer, John E.; and Tisack, Peter S., 4,821,058, Cl. 354-400.000.

Tisch, Siegfried, to INA Walzlager Schaeffler KG. Valve control device. 4,856,474, 8-15-89, Cl. 123-323.000.

Tischbein, Claus, to Babcock Textilmaschinen GmbH. Arrangement for applying liquids to moving webs of material. 4,829,791, 5-16-89, Cl. 68-22.00R.

Tischer, Kurt M., to Nokia Graetz GmbH. Control plate for display devices. 4,864,189, 9-5-89, Cl. 313-422.000.

Tischer, Kurt M.: *See—*

Pottharst, Jurgen; and Tischer, Kurt M., 4,838,651, Cl. 350-331.00R.

Tischer, Martine. Money tree. 4,888,221, 12-19-89, Cl. 428-18.000.

Tischer, Michael: *See—*

Bernhardt, Wolfgang; and Tischer, Michael, 4,798,421, Cl. 303-115.000.

Tischler, Allan N.; Durette, Philippe L.; Witzel, Bruce E.; and Lanza, Thomas J., Jr., to Merck & Co., Inc. 5-methylthio-3-hydroxybenzo[b]thiophene-2-carboxamide derivatives as cyclooxygenase and lipoxygenase inhibitors. 4,800,211, 1-24-89, Cl. 514-443.000.

Tischler, Wolfgang. Corkscrew. 4,838,128, 6-13-89, Cl. 81-3.480.

Tisdale, John W. Medication and method for treating heartworms in dogs. 4,810,500, 3-7-89, Cl. 424-456.000.

Tise, Bertice L.: *See—*

Boultinghouse, Karlan D.; Schoeneman, J. Lee; and Tise, Bertice L., 4,796,198, Cl. 364-513.000.

Tishken Products Co.: *See—*

Levy, Roger; and Gleason, Everett, 4,831,857, Cl. 72-181.000.

Tisinger, Eric W., to Motorola, Inc. Driver circuit with boost and feedback portions for improving output risetime and reducing propagation delay. 4,829,197, 5-9-89, Cl. 307-270.000.

Tisma Machine Corporation: *See—*

Tisma, Steven, 4,829,751, Cl. 53-575.000.

Tisma, Steven, 4,856,566, Cl. 141-142.000.

Tisma, Steven, to Tisma Machine Corporation. Apparatus with replaceable trays on automatic packaging machines. 4,829,751, 5-16-89, Cl. 53-575.000.

Tisma, Steven, to Tisma Machine Corporation. Fast acting loading system for automatic packaging machine. 4,856,566, 8-15-89, Cl. 141-142.000.

Tisne, Jean-Louis, to Aerospatiale Societe Nationale Industrielle. Weaving apparatus using radial and continuous circumferential threads. 4,834,144, 5-30-89, Cl. 139-13.00R.

Tison, Richard P.; Wang, Su-Chee S.; and Snyder, Dexter D., to General Motors Corporation. Phosphate coating complex metal surfaces. 4,808,281, 2-28-89, Cl. 204-56.100.

Tison, Richard P., to General Motors Corporation. Electrolytic demetallization of dilute solutions using ion exchange resins. 4,882,01 11-21-89, Cl. 204-105.00R.

Tissari, Osmo. Device for washing of carpets. 4,799,368, 1-24-89, Cl. 68-19.100.

Tissier, Annie; and Dutartre, Didier. Method of measuring the flowing of a material. 4,813,781, 3-21-89, Cl. 356-354.000.

Tissot, Maurice: *See—*

Polaert, Remy; and Tissot, Maurice, 4,866,529, Cl. 358-232.000.

Tiszai, Gyorgy: *See—*

Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.

Megyeri, Mihaly; Koncz, Istvan; Tiszai, Gyorgy; Paal, Tibor; and Szittar, Antal, 4,844,155, Cl. 166-261.000.

Titan Corporation, The: *See—*

Donaldson, Coleman D., 4,823,703, Cl. 102-521.000.

Osborne, Tracy L.; and Hutcheson, William R., 4,849,020, Cl. 106-281.100.

Putnam, Sidney D., 4,870,368, Cl. 328-233.000.

Smart, Anthony E.; and Woodward, Roger P., 4,887,213, Cl. 364-424.010.

Titan Fitness Products Pty., Ltd.: *See—*

Sims, Anthony M., 4,854,577, Cl. 272-130.000.

Titan Mining & Engineering PTY. LTD.: *See—*

Shaw, Roland J., 4,856,952, Cl. 411-413.000.

Titan Tool Company: *See—*

McKean, John A., 4,819,519, Cl. 81-53.200.

Titchener, Paul F.; and Walsh, Michael J. M., to Comdisco Resources, Inc. Method and apparatus for data transmission in a well using a flexible line with stiffener. 4,828,051, 5-9-89, Cl. 175-50.000.

Titcnener, Paul F.; Walsh, Michael J. M.; and Hanson, Merle E., to Comdisco Resources, Inc. Method and apparatus for wire line protection in a well. 4,848,480, 7-18-89, Cl. 166-385.000.

Titchener, Paul F.: *See—*

Hanson, Merle E.; and Titchener, Paul F., 4,821,035, Cl. 340-856.000.

Hanson, Merle E.; and Titchener, Paul F., 4,845,494, Cl. 340-857.000.

Titcomb, Forrest; and Cordova, Jackie, to Digital Equipment Corporation. Hydrodynamic bearing. 4,795,275, 1-3-89, Cl. 384-107.000.

Tite, Robert C.: *See—*

Johnson, Raymond; Livingston, Dwight; Tite, Robert C.; and Wood-Helie, Sheila J., 4,806,316, Cl. 422-100.000.

Titeflex Corporation: *See—*

Gazda, Chester T.; and O'Melia, Lawrence F., 4,855,029, Cl. 204-197.000.

Lalikos, James M.; and Adamczyk, Rudolph A., 4,813,716, Cl. 285-174.000.

Lalikos, James M.; and Waite, Harold K., 4,854,416, Cl. 181-207.000.

Lalikos, James M.; and Waite, Harold K., 4,867,269, Cl. 181-207.000.

Titlow, Joseph D.; Brost, Wilmut; and Hahn, David T. Method and apparatus for determining elastic constants in tubes. 4,845,989, 7-11-89, Cl. 73-597.000.

Titmas, James A., to Oxidyne Corporation. Apparatus for effecting selected patterns of fluid flow. 4,874,560, 10-17-89, Cl. 261-76.000.

Titoff, Juha S., to A. Ahlstrom Corporation. Filter bed clarifier. 4,871,459, 10-3-89, Cl. 210-519.000.

Titon Hardware Limited: *See—*

Anderson, John N.; Marshall, Edward C.; Stoney, Arthur; Tulloch, William; and Duke, Paul L., 4,813,723, Cl. 292-336.300.

Titsworth, Raymond: *See—*

Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, 4,809,759, Cl. 157-1.100.

Dale, James L.; Mannen, Bryce L.; and Titsworth, Raymond, 4,811,774, Cl. 157-1.100.

Tittel, Frank K.: *See—*

Nighan, William L.; Sauerbrey, Roland A.; and Tittel, Frank K., 4,817,096, Cl. 372-5.000.

Tittel, Paul G. Sterilizing apparatus for ophthalmological devices. 4,868,397, 9-19-89, Cl. 250-455.100.

Titterington, Donald R.; Anderson, Jeffrey J.; Rise, James D.; and Jaeger, Wayne, to Tektronix, Inc. Substrates having a light-transmissive phase change ink printed thereon and methods for producing same. 4,889,761, 12-26-89, Cl. 428-195.000.

Titterington, Donald R.: *See—*

Jaeger, Charles W.; Titterington, Donald R.; Le, Hu P.; and Sopko, Jeffrey J., 4,889,560, Cl. 106-27.000.

Titterton, George F., III, to United Technologies Corporation. Gas turbine engine oil drain slot. 4,824,327, 4-25-89, Cl. 416-174.000.

Tittgemeyer, Udo; and Litterst, Thomas, to Interprint Rotatinsdruk GmbH & Co. KG. Color printing method and arrangement. 4,798,136, 1-17-89, Cl. 101-181.000.

Tittizer, Gabriel; and Junghans, Ewald, to Interatom GmbH. Hydraulic valve drive for internal combustion engines. 4,799,462, 1-24-89, Cl. 123-90.120.

Tittizer, Gabriel; and Junghans, Ewald, to Interatom GmbH. Valve drive with a hydraulic transmission and a characteristic variable by means of a link control. 4,821,689, 4-18-89, Cl. 123-90.120.

Tittle, Douglas L., to Man-Gill Chemical Company. Chemical process control system. 4,886,590, 12-12-89, Cl. 204-232.000.

Tittlebaum, Marty E.: *See—*

Stegall, William A.; and Tittlebaum, Marty E., 4,834,879, Cl. 210-205.000.

Tittmann, Bernard R.: *See—*

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Tittmann, Bernhard R.; Richardson, John M.; Bulau, James R.; and Bivins, Lawrence R., to Rockwell International Corporation. Sonic gas pressure gauge. 4,869,097, 9-26-89, Cl. 73-52.000.

Titus, Daniel A.: *See—*

Dapore, Mark A.; and Titus, Daniel A., 4,864,639, Cl. 455-226.000.

Titus, George R.; and Williams, Joel L., to Becton, Dickinson and Company. High clarity polyolefin compositions and clarifying additive therein. 4,808,650, 2-28-89, Cl. 524-108.000.

Titus, George R.: *See—*

Williams, Joel L.; and Titus, George R., 4,845,137, Cl. 524-108.000.

Titus, Hans-Joachim. Shut-off valve. 4,858,641, 8-22-89, Cl. 137-244.000.

Titus, Joseph S.; Wang, Dexter; and Graham, Harold A., to SSG, Inc. Dynamic thermal display simulator. 4,859,080, 8-22-89, Cl. 374-134.000.

Titus Tool Co., Ltd.: *See—*

Harley, David N., 4,830,323, Cl. 248-250.000.

Titz, Walter, to Daimler-Benz Aktiengesellschaft. Omnibus suitable for train formation. 4,794,867, 1-3-89, Cl. 105-3.000.

Titze, Jurgen: *See—*

Lang, Gunther; Maresch, Gerhard; Wendel, Harald; Konrad, Eugen; Lenz, Hans-Rudi; and Titze, Jurgen, 4,835,266, Cl. 536-20.000.

Tivy, Michael B. Oil change container. 4,815,591, 3-28-89, Cl. 206-223.000.

TIW Systems, Inc.: *See—*

Deal, Joseph H., 4,888,769, Cl. 370-50.000.

Tiwari, Basant L., to General Motors Corporation. Hydrogen probe. 4,882,032, 11-21-89, Cl. 204-422.000.

Tiwari, Sandip: *See—*

Jackson, Thomas N.; Murakami, Masanori; Price, William H.; Tiwari, Sandip; Woodall, Jerry M.; and Wright, Steven L., 4,849,802, Cl. 357-71.000.

Tix, James P., to Plastic Profiles, Inc. Hinged nailing fin for window installation. 4,821,472, 4-18-89, Cl. 52-213.000.

Tixador, Pascal; and Brunet, Yves, to Societe Anonyme dite Alsthom. Detection device for detecting transitions to the normal state in a superconducting winding, in particular for generating electricity, and a protection device for protecting such a winding. 4,855,859, 8-8-89, Cl. 361-19.000.

Tixador, Pascal: *See—*

Brunet, Yves; and Tixador, Pascal, 4,808,864, Cl. 310-52.000.

Tjaderhane, Jan P. R.: *See—*

Legerius, Bengt E.; and Tjaderhane, Jan P. R., 4,883,921, Cl. 174-87.000.

Tjahjadi, Taruna; Panella, Cynthia A.; Easley, Matthew F.; Nash, Randy D.; Sweitzer, Steven R.; Martin, John N.; Correa, German E.; and Thomas, George R., to Hayes Microcomputer Products, Inc. Autocorrelating 2400 bps handshake sequence detector. 4,868,864, 9-19-89, Cl. 379-98.000.

Tjahjadi, Taruna: *See—*

Easley, Matthew F.; Correa, German E.; Nash, Randy D.; Panella, Cynthia A.; and Tjahjadi, Taruna, 4,849,703, Cl. 328-63.000.

Tjan, Tik T. Artificial intra-ocular lens for implantation in the capsular bag. 4,863,463, 9-5-89, Cl. 623-6.000.

Tjerlund, Per, to Telefonaktiebolaget L M Ericsson. Method and apparatus for distorting a speech signal. 4,802,219, 1-31-89, Cl. 380-39.000.

Tjernlund Products, Inc.: *See—*

Olson, Kenneth A., 4,856,982, Cl. 431-20.000.

Tjioe, Tjay T.; Van Duijn, Simon; and Wey, Paul, to Stamicarbon B.V. Method for the removal of cadmium from acid phosphate-containing aqueous media. 4,806,323, 2-21-89, Cl. 423-321.00R.

Tjoeng, Foe S.; and Adams, Steven P., to Mosanto Company. Novel platelet-aggregation inhibitors. 4,879,313, 11-7-89, Cl. 514-616.000.

Tjomsland, Bryan J. Security window system. 4,841,673, 6-27-89, Cl. 49-141.000.

Tjulkov, Gennady: *See—*

Alperovich, Boris I.; Paramonova, Ljutsia; Tjulkov, Gennady; Soloviev, Valery I.; and Paramonov, Alexandr I., 4,823,790, Cl. 128-303.100.

Tjulkov, Gennady I.; Alperovich, Boris I.; Paramonova, Ljutsia M.; Soloviev, Valery I.; and Paramonov, Alexandr I., to Tomsky Gosudarstvenny Universitet IM. Kuibysheva; and Tomsky Gosudarstvenny Meditsinsky Institut. Cryogenic ultrasonic scalpel. 4,832,022, 5-23-89, Cl. 128-303.100.

Tjumanok, Alexei N.; Tamm, Yaan V.; Saul, Andres I.; and Loopere, Valdeko V., to Tallinsky Politekhnichesky Institut. Disintegrator having grinding chamber with rotors including carrying disk with grinding wheels concentrically arranged thereon. 4,813,619, 3-21-89, Cl. 241-80.000.

Tjurin, Jury G.: *See—*

Khutoretsky, Garri M.; Fridman, Vladimir M.; Zagorodnaya, Galina A.; Maximov, Leonid V.; and Tjurin, Jury G., 4,820,945, Cl. 310-52.000.

Khutoretsky, Garri M.; Tjurin, Jury G.; Yakovlev, Viktor S.; and Varshavsky, Vladimir D., 4,862,022, Cl. 310-52.000.

Khutoretsky, Garri M.; Tjurin, Jury G.; and Yakovlev, Viktor S., 4,864,171, Cl. 310-52.000.

Khutoretsky, Garri M.; Tjurin, Jury G.; Varshavsky, Vladimir D.; Zagorodnaya, Galina A.; and Fridman, Vladimir M., 4,876,469, Cl. 310-52.000.

Tkatchenko, Igor: *See—*

Grenouillet, Pierre; Neibecker, Denis; and Tkatchenko, Igor, 4,889,949, Cl. 560-202.000.

TLV Co., Ltd.: *See—*

Fujiwara, Katsuji; and Yumoto, Hideaki, 4,860,782, Cl. 137-193.000.

Oike, Tadashi; and Yokoyama, Takeshi, 4,809,736, Cl. 137-489.500.

Yokoyama, Takeshi, 4,867,767, Cl. 55-219.000.

Yumoto, Hideaki; Yonemura, Masao; and Yamada, Yoshito, 4,888,978, Cl. 73-40.000.

TM Industrial Supply, Inc.: *See—*

Steiner, Carl A.; and Jensen, Henry R., 4,818,402, Cl. 210-411.000.

TMC Corporation: *See—*

Choo, Tai Y., 4,857,206, Cl. 210-709.000.

Neckamm, Harald; Pavlovec, Radko; Zotter, Johann; Wuerthner, Hubert; and Dyne, Anders, 4,863,162, Cl. 272-137.000.

Nowak, Gerhard; Kruschik, Klaus; Morbitzer, Hans P.; Theuer, Rudolf; and Winter, Alfred, 4,880,252, Cl. 280-618.000.

Riegler, Andreas; Stritzl, Karl; and Wurthner, Hurbert, 4,813,700, Cl. 280-633.000.

Stritzl, Karl; and Freisinger, Henry, 4,804,201, Cl. 280-618.000.

Stritzl, Karl; Freisinger, Henry; and Luschnig, Franz, 4,858,946, Cl. 280-618.000.

Stritzl, Karl; Wurthner, Hubert; and Riegler, Andreas, 4,861,064, Cl. 280-618.000.

Stritzl, Karl; Wurthner, Hubert; and Riegler, Andreas, 4,867,471, Cl. 280-618.000.

Stritzl, Karl; Luschnig, Franz; Riegler, Andreas; Wurthner, Hubert; and Freisinger, Henry, 4,878,687, Cl. 280-605.000.

Svoboda, Josef; and Pavlovec, Radko, 4,804,202, Cl. 280-618.000.

Wittmann, Heinz; Erdei, Roland; and Szasz, Tibor, 4,872,272, Cl. 36-117.000.

TMT Research Development Inc.: *See—*
Clark, Eugene V.; and Sievers, George K., 4,826,401, Cl. 415-200.000.
TNI Pharmaceuticals, Inc.: *See—*
Plotnikoff, Nicholas P., 4,801,614, Cl. 514-17.000.
TNK Sanwa Precision Co., Ltd.: *See—*
Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, 4,851,059, Cl. 148-327.000.
Toa Eiyo Ltd.: *See—*
Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, 4,874,760, Cl. 514-234.200.
Toa Medical Electronics Co. Ltd.: *See—*
Kanamori, Shigeo, 4,817,446, Cl. 73-865.500.
Toa Nenryo Kogyo Kabushiki Kaisha: *See—*
Akizuki, Ikuo; Kaya, Hiroshi; Okano, Shohei; Otake, Nobuo; Kumagai, Keiji; and Kaneko, Yoshihito, 4,837,193, Cl. 502-242.000.
Arai, Mikiro; Isoda, Takeshi; and Itoh, Takuji, 4,840,778, Cl. 423-324.000.
Arai, Mikiro; Funayama, Osamu; Tashiro, Yuuji; and Isoda, Takeshi, 4,886,860, Cl. 525-474.000.
Funayama, Osamu; Arai, Mikiro; and Isoda, Takeshi, 4,861,569, Cl. 423-324.000.
Funayama, Osamu; Arai, Mikiro; Nishii, Hayato; and Isoda, Takeshi, 4,869,358, Cl. 264-65.000.
Hino, Takashi; Naito, Tsutomu; Kuroda, Hiroyuki; Tsushima, Eiki; and Nomura, Tomio, 4,822,587, Cl. 423-447.100.
Isoda, Takeshi; and Arai, Mikiro, 4,795,622, Cl. 423-324.000.
Itoh, Takuji; Saeki, Kazuo; and Kono, Koichi, 4,849,311, Cl. 429-192.000.
Izumi, Takayuki; Komine, Kikuji; and Kobayashi, Wataru, 4,810,437, Cl. 264-29.200.
Kaya, Hiroshi; Tamura, Kozaburo; and Isoda, Takeshi, 4,833,107, Cl. 501-97.000.
Kimura, Yoshiharu, 4,857,079, Cl. 55-16.000.
Kohara, Tadanao; and Ueki, Satoshi, 4,870,042, Cl. 502-114.000.
Kohara, Tadanao; and Ueki, Satoshi, 4,871,704, Cl. 502-114.000.
Komatsu, Masato; Baba, Isao; Mikami, Takashi; Narukawa, Kiyotada; and Kanai, Tsuyoshi, 4,873,288, Cl. 525-194.000.
Kono, Koichi; Okamoto, Kenkichi; Iwasaki, Rumi; and Sawada, Shuichi, 4,873,034, Cl. 264-41.000.
Kurokawa, Hitoshi; Nakayama, Kouji; and Takenaka, Hirokazu, 4,844,343, Cl. 239-102.200.
Makishima, Tokuo, deceased; Makishima, Nobuko, legal representative; Ueki, Satoshi; and Imai, Chihiro, 4,801,654, Cl. 525-333.700.
Matsumura, Mitsuo; and Yoshida, Toshihiko, 4,873,115, Cl. 427-34.000.
Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,311, Cl. 502-111.000.
Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,312, Cl. 502-111.000.
Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,313, Cl. 502-111.000.
Ohta, Satoshi; Tanagawa, Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, 4,812,634, Cl. 235-492.000.
Shiozawa, Kouji; Okumura, Yoshiharu; Imai, Chihiro; and Okamoto, Nobukazu, 4,820,674, Cl. 502-169.000.
Shiozawa, Kouji; Takai, Haruko; Takatsuna, Kazutoshi; Okamoto, Nobukazu; Okumura, Yoshiharu; and Imai, Chihiro, 4,888,436, Cl. 556-413.000.
Tachikawa, Mamoru; Sakuma, Masato; Ueki, Satoshi; Imai, Chihiro; and Makishima, Tokuo, 4,849,483, Cl. 526-97.000.
Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fujii, Shigeo, 4,865,733, Cl. 210-266.000.
Yoshimura, Narihiko; Tokashiki, Michihide; and Ishii, Tetsuo, 4,871,476, Cl. 252-565.000.
Yoshimura, Narihiko; Komatsu, Yasuji; and Tomizawa, Hirotaka, 4,886,613, Cl. 252-79.000.
Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,886,614, Cl. 252-79.000.
Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,889,650, Cl. 252-79.000.
Toa Pharmaceutical Co., Ltd.: *See—*
Masuda, Takashi, 4,808,417, Cl. 426-2.000.
Toa Trading Co., Ltd.: *See—*
Morimoto, Iwao; and Sasaki, Hiroshi, 4,831,942, Cl. 110-345.000.
Toagosei Chemical Industry Co., Ltd.: *See—*
Hiraiwa, Akihiko; Ito, Kenji; and Kimura, Kaoru, 4,818,325, Cl. 156-315.000.
Ito, Kenji; and Kimura, Kaoru, 4,822,426, Cl. 106-189.000.
Mizutani, Kiyokazu; Kato, Hitoshi; Ogasawara, Kuniko; and Endo, Takeshi, 4,849,529, Cl. 549-334.000.
Sato, Mitsuyoshi; Hiraiwa, Akihiko; and Kimura, Kaoru, 4,806,380, Cl. 427-1.000.
Sato, Mitsuyoshi; Okamura, Takumi; and Kimura, Kaoru, 4,837,260, Cl. 524-261.000.
Taguchi, Hiromu; Mizutani, Kiyokazu; Kato, Hiroyuki; and Endo, Takeshi, 4,870,193, Cl. 549-334.000.
Tawara, Kunio; and Hirose, Toshiro, 4,832,748, Cl. 523-454.000.
Wada, Tatsuo; Miki, Toshiro; and Takenaka, Masamitsu, 4,889,584, Cl. 156-630.000.
Yoshida, Tadao; and Kimura, Kaoru, 4,808,708, Cl. 536-27.000.
Toal, Robert P., Jr. Motor vehicle locator system. 4,797,671, 1-10-89, Cl. 340-825.490.
Toba, Akira, to Kabushiki Kaisha Toshiba. Slow-playback for helical scanning type VCR-VTR. 4,800,447, 1-24-89, Cl. 360-10.300.
Toba, Ritsuji: *See—*
Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, 4,865,888, Cl. 427-443.100.
Tobari, Kazuaki: *See—*
Marumoto, Katsuji; Ohmae, Tsutomu; Koterazawa, Toshiyuki; and Tobari, Kazuaki, 4,869,334, Cl. 180-79.100.
Tobe, Akihiro; Fujimori, Shinichiro; Yamazaki, Tomoshi; Sugano, Mamoru; Kikumoto, Ryoji; and Nitta, Issei, to Mitsubishi Chemical Industries, Limited. Arylsulfone compounds as anti-ulcer agents. 4,814,507, 3-21-89, Cl. 564-336.000.
Tobe, Akihiro: *See—*
Matsuo, Kohtaro; Ezaki, Youichirou; Tobe, Akihiro; Yamazaki, Satoshi; Enda, Kozue; and Kitsukawa, Mariko, 4,883,822, Cl. 514-680.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihir and Nitta, Issei, 4,880,819, Cl. 514-316.000.
Ninomiya, Kunihiro; Saito, Ken-Ichi; Morita, Shuji; Tobe, Akihir and Nitta, Issei, 4,883,802, Cl. 514-278.000.
Tobe, Hayato: *See—*
Oishi, Konosuke; Okumoto, Toyoharu; Tobe, Hayato; an Tsukada, Masamichi, 4,840,484, Cl. 356-312.000.
Oishi, Konosuke; Tsukada, Masamichi; Kitagawa, Masatosh Okumoto, Toyoharu; and Tobe, Hayato, 4,867,562, C 356-312.000.
Tobe, Takao, to Pioneer Electronic Corporation. Reproducing speed control system for a video disk player. 4,847,697, 7-11-89, C 358-342.000.
Tobe, Yoichiro: *See—*
Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuk Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
Tobe, Yukiya: *See—*
Kimpara, Masaomi; Kawai, Kaiji; and Tobe, Yukiya, 4,874,425, C 71-121.000.
Toben, Michael P.; Brown, Neil D.; Esterl, David J.; and Schem Robert A., to LeaRonal, Inc. Tin, lead or tin/lead alloy electrolytes for high speed electroplating. 4,880,507, 11-14-89, Cl. 204-44.400.
Toberg, Lloyd H. Self cleaning wood incisor. 4,858,660, 8-22-89, C 144-2.00J.
Tobey, Richard. Computer element performance enhancer. 4,812,73 3-14-89, Cl. 323-285.000.
Tobia, Alfonso J.: *See—*
Falotico, Robert; Kanojia, Ramesh M.; Press, Jeffery B.; and Tobia Alfonso J., 4,822,800, Cl. 514-309.000.
Tobias, Eric; and Chen, Chau-Shiong A., to Applied Micro Circuit Corporation. Semiconductor integrated circuit manufacturing process providing oxide-filled trench isolation of circuit devices 4,876,216, 10-24-89, Cl. 437-67.000.
Tobias, Richard J.: *See—*
Chen, Jack; Thomas, Jeffrey A.; Petolino, Joseph A., Jr.; Begley Michael J.; Shah, Ajay; Taylor, Michael D.; and Tobias, Richar J., 4,851,993, Cl. 364-200.000.
Tobias, Russell H.: *See—*
Bershas, James P.; and Tobias, Russell H., 4,868,267, Cl. 528-73.000.
Bershas, James P.; and Tobias, Russell H., 4,874,837, C 528-291.000.
Tobias, Samuel; Pinelli, Thomas; Messinger, Robert M.; and Hazlehurst, Fred T., to Hayward Industries, Inc. Skimmer with flow enhancer. 4,818,389, 4-4-89, Cl. 210-169.000.
Tobin, Cullin S., to Chilly Bones, Inc. Cooling apparel. 4,854,31 8-8-89, Cl. 128-380.000.
Tobin, John, to United States of America, Energy. Breathing zone ai sampler. 4,858,476, 8-22-89, Cl. 73-863.230.
Tobin, Philip J., to Motorola, Inc. Epitaxial CMOS by oxygen implantation. 4,819,040, 4-4-89, Cl. 357-42.000.
Tobin, Philip J.: *See—*
Pintchovski, Faivel; and Tobin, Philip J., 4,822,753, C 437-192.000.
Tobinai, Teruhiko: *See—*
Sejimo, Yoshimi; Tsubai, Toshiaki; and Tobinai, Teruhiko, 4,796,582, Cl. 123-378.000.
Sejimo, Yoshimi; Tsubai, Toshiaki; and Tobinai, Teruhiko, 4,809,657, Cl. 123-378.000.
Sejimo, Yoshimi; Tsubai, Toshiaki; and Tobinai, Teruhiko, 4,809,658, Cl. 123-378.000.
Tobing, Singa D. Co-curing of NR/EPDM rubber bands. 4,882,387, 11-21-89, Cl. 525-194.000.
Tobioka, Masaaki: *See—*
Ikegaya, Akihiko; and Tobioka, Masaaki, 4,859,490, Cl. 427-38.000.
Tobisawa, Yoshio: *See—*
Shimamura, Morihiko; Kubo, Jun; Kubota, Hitoshi; Fujiki, Norio; Tobisawa, Yoshio; Ishikawa, Yasuki; and Fukawa, Kazuyoshi, 4,835,970, Cl. 60-545.000.
Tobise, Masahiro: *See—*
Omae, Tsutomu; Matsuda, Toshihiko; Sukegawa, Takashi; and Tobise, Masahiro, 4,814,678, Cl. 318-317.000.
Tobita, Chuo; and Minato, Yoshiharu, to Amada Company, Limited. Right angle progressive shearing machine. 4,846,037, 7-11-89, Cl. 83-599.000.

Tobita, Etsuo: *See—*
Minagawa, Motonobu; Nakahara, Yutaka; Shibata, Toshihiro; and Tobita, Etsuo, 4,885,323, Cl. 524-95.000.
Tobita, Hideaki: *See—*
Naruse, Kazuo; Kitano, Mikio; and Tobita, Hideaki, 4,802,616, Cl. 228-4.100.
Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,825,770, Cl. 104-162.000.
Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,860,663, Cl. 104-162.000.
Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
Tobita, Hiroshi: *See—*
Goto, Chikado; and Tobita, Hiroshi, 4,819,931, Cl. 271-287.000.
Tobita, Katsumi, to Alps Electric Co., Ltd. AFT circuit for CATV receiver system. 4,855,835, 8-8-89, Cl. 358-195.100.
Tobita, Kuniharu: *See—*
Suzuki, Tsutomu; Seko, Tatsushi; Tobita, Kuniharu; Matsubayashi, Saburo; Kougo, Nobuhiko; Ogawa, Kiyoshi; Taniguchi, Susumu; Minami, Masaharu; Hayakawa, Masayuki; and Kawada, Noriyuki, 4,879,788, Cl. 26-54.000.
Tobita, Michiaki: *See—*
Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
Mouri, Hidemasa; Tobita, Michiaki; Eto, Naonobu; Ishida, Masahiko; Kouno, Shunzo; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,868,581, Cl. 346-1.100.
Sakaki, Mamoru; Arai, Ryuichi; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Eto, Naonobu; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; and Kono, Shunzo, 4,877,680, Cl. 428-332.000.
Tobita, Shigeru: *See—*
Hiramatsu, Tooru; Tami, Kazuya; and Tobita, Shigeru, 4,803,937, Cl. 112-265.200.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,821,658, Cl. 112-114.000.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,843,984, Cl. 112-114.000.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,843,985, Cl. 112-147.000.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,870,918, Cl. 112-265.200.
Tobita, Takashi: *See—*
Kitamura, Satoshi; Tobita, Takashi; Kanazawa, Motoki; and Shiozaki, Masahiro, 4,803,288, Cl. 549-267.000.
Tobita, Takuo: *See—*
Kubota, Yasuo; Kani, Nobumoto; Okawa, Kazutaka; Tobita, Takuo; and Miyasaka, Tsuneo, 4,817,005, Cl. 364-468.000.
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, to Hitachi, Ltd. Signal transmission method and system in elevator equipment. 4,872,532, 10-10-89, Cl. 187-121.000.
Tobita, Toshimitsu: *See—*
Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.
Inaba, Hiromi; Shima, Seiya; Kurosawa, Toshiaki; Tobita, Toshimitsu; Hombu, Mitsuyuki; and Mitsui, Nobuo, 4,870,556, Cl. 363-41.000.
Tobita, Youichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit device. 4,802,123, 1-31-89, Cl. 365-149.000.
Tobita, Youichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor integrated circuit with decreased burn-in time. 4,806,788, 2-21-89, Cl. 307-296.00R.
Tobita, Youichi, to Mitsubishi Denki Kabushiki Kaisha. Fast access circuit for dynamic type semiconductor memory device. 4,833,656, 5-23-89, Cl. 365-230.060.
Tobita, Youichi, to Mitsubishi Denki Kabushiki Kaisha. Dram with reduced-test-time mode. 4,860,259, 8-22-89, Cl. 365-201.000.
Tobler, Hans: *See—*
Bohner, Beat; and Tobler, Hans, 4,801,708, Cl. 544-182.000.
Tobler, Peter, to Equus Marketing Corp. Arm chair, particularly office arm chair, with adjustable arm rests. 4,884,846, 12-5-89, Cl. 297-411.000.
Tobler, Stephen R. Transmission brake. 4,883,151, 11-28-89, Cl. 192-4.00A.
Tobler, Werner: *See—*
Hiesinger, Reinhard; and Tobler, Werner, 4,831,396, Cl. 354-195.100.
Tobol, Nathan: *See—*
Hatfield, Walter B.; Tobol, Nathan; and Scholl, Frederick W., 4,888,763, Cl. 370-85.200.
Tobolski, Francis P., Jr.: *See—*
D'Avello, Robert F.; Rokusek, Daniel S.; and Tobolski, Francis P., Jr., 4,831,647, Cl. 379-91.000.
D'Avello, Robert F.; Rokusek, Daniel S.; and Tobolski, Francis P., Jr., 4,860,336, Cl. 379-63.000.
D'Avello, Robert F.; Tobolski, Francis P., Jr.; and Kowalski, Joseph L., 4,860,341, Cl. 379-91.000.
Tobor, James: *See—*
Smalley, Robert F.; and Tobor, James, 4,843,366, Cl. 338-128.000.
Tobu Electric Co., Ltd.: *See—*
Tabei, Shigeru, 4,799,038, Cl. 337-379.000.
Tabei, Shigeru, 4,862,133, Cl. 337-102.000.
Tobune, Hiroaki, to Mitsubishi Denki Kabushiki Kaisha. Electron beam direct drawing device. 4,870,286, 9-26-89, Cl. 250-492.200.
Tocci, Jean-Louis: *See—*
Druelle, Philippe; Vidal, Pierre; Saglio, Robert; and Tocci, Jean-Louis, 4,821,545, Cl. 72-53.000.
Tocci, Mario P.: *See—*
Bainbridge, David W.; and Tocci, Mario P., 4,826,724, Cl. 428-288.000.
Tocco, Inc.: *See—*
Balzer, Norbert R., 4,849,594, Cl. 219-10.430.
Mucha, George M.; Alexander, Jonathan W.; Pfaffmann, George D.; and McKelvey, Richard H., 4,816,633, Cl. 219-10.410.
Mucha, George M.; Pfaffmann, George D.; and Novorsky, Donald E., 4,855,551, Cl. 219-10.430.
Mucha, George M.; Novorsky, Donald E.; and Pfaffmann, George D., 4,855,556, Cl. 219-105.900.
Novorsky, Donald E., 4,867,810, Cl. 148-150.000.
Tochigi-Fuji Sangyo Kabushiki Kaisha: *See—*
Kurihara, Sakuo, 4,811,824, Cl. 192-35.000.
Kurihara, Sakuo, 4,854,434, Cl. 192-35.000.
Tochigi Prefecture: *See—*
Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.
Tochigifujisangyo Kabushiki Kaisha: *See—*
Hagiwara, Makoto; and Teraoka, Masao, 4,805,486, Cl. 74-710.500.
Onoue, Toshinobu, 4,884,470, Cl. 74-710.500.
Teraoka, Masao; Ishikawa, Osamu; and Yuhashi, Yukio, 4,838,119, Cl. 74-711.000.
Teraoka, Masao, 4,886,152, Cl. 192-58.00B.
Tochikubo, Shigeo. Single cylinder type switching valve for mixing hot and cold waters. 4,854,348, 8-8-89, Cl. 137-625.170.
Tochinai, Chiaki; Kohara, Tadanao; Budo, Sadayoshi; Masuda, Hiroaki; and Yoshida, Takayoshi, to Exxon Research & Engineering Company. Adhesive compositions with block copolymer tackifiers. 4,845,182, 7-4-89, Cl. 525-89.000.
Tock, Richard W., to Sub-Tank Renewal Systems, Inc. Composite board and method. 4,818,604, 4-4-89, Cl. 428-319.900.
Tock, Richard W.: *See—*
Ethington, Don; Riley, Ray J.; and Tock, Richard W., 4,834,853, Cl. 204-168.000.
Tocker, Stanley, to Du Pont de Nemours, E. I., and Company. Herbicidal spray mixtures. 4,820,336, 4-11-89, Cl. 71-93.000.
Tocksfors Verkstads AB: *See—*
Ahs, Wilgot, 4,868,530, Cl. 335-207.000.
Asp, Torbjorn, 4,827,103, Cl. 219-217.000.
Tocquet, Bernard: *See—*
Pohlenz, Charles; Boucher, Didier; and Tocquet, Bernard, 4,811,307, Cl. 367-135.000.
Toda, Atsushi: *See—*
Shibata, Hiroki; Toda, Atsushi; Takahashi, Kazuki; and Wada, Kiyoshi, 4,860,601, Cl. 73-865.800.
Toda, Fumio; Sekikawa, Ayako; Sugi, Hideo; and Tahara, Kenji, to Kurita Water Industries, Ltd. Diphenic acid bis(dicyclohexylamide) for clothrate compound, process for producing the same. 4,818,771, 4-4-89, Cl. 514-616.000.
Toda, Fumio; Tanaka, Koichi; and Nakata, Tetsuya, to Osaka Soda Co., Ltd. Method of optically resolving a racemate or a diastereomeric mixture of glycidyl compound. 4,841,081, 6-20-89, Cl. 549-541.000.
Toda, Gyozo; Kuroki, Takashi; Ishihara, Shousaku; Kanda, Naoya; and Fujita, Tsuyoshi, to Hitachi, Ltd. Process for producing ceramic substrates for microelectronic circuits. 4,817,276, 4-4-89, Cl. 29-830.000.
Toda, Haruhiko: *See—*
Miyake, Miyuki; Toda, Haruhiko; and Yasu, Minako, 4,885,159, Cl. 424-70.000.
Toda, Haruhisa; and Murata, Shiroo, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,855,549, 8-8-89, Cl. 200-401.000.
Toda, Haruhisa, to Mitsubishi Denki Kabushiki Kaisha. Circuit breaker. 4,888,570, 12-19-89, Cl. 335-167.000.
Toda, Haruki; Sahara, Hiroshi; and Ohshima, Shigeo, to Kabushiki Kaisha Toshiba. Internal interleaving type semiconductor memory device. 4,862,420, 8-29-89, Cl. 365-221.000.
Toda, Hiroaki: *See—*
Saji, Yoshiro; Tada, Eichi; Toda, Hiroaki; and Kawahara, Yoshiaki, 4,803,452, Cl. 335-301.000.
Toda, Hiroshi, to Aisin Seiki Kabushiki Kaisha. Brake control device for vehicles. 4,878,715, 11-7-89, Cl. 303-110.000.
Toda, Kazuaki: *See—*
Kitagawa, Ken; Matsuno, Shigehiro; and Toda, Kazuaki, 4,814,133, Cl. 264-174.000.
Toda, Kazuo: *See—*
Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Toda, Kazuo; Kamakura, Takuro; and Ota, Toshiaki, 4,812,387, Cl. 430-311.000.
Toda, Kenichi; and Hori, Tetsuhiro, to Kabushiki Kaisha Polyurethan Engineering. Method for measuring the amount of gas contained in liquid. 4,862,729, 9-5-89, Cl. 73-19.000.
Toda, Kenichi; and Hori, Tetsuhiro, to Kabushiki Kaisha Polyurethane Engineering. Mixing apparatus for synthetic resin with multiple resin components. 4,876,071, 10-24-89, Cl. 422-133.000.
Toda, Kenzo: *See—*
Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.
Toda Kogyo Corp.: *See—*
Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,806,429, Cl. 428-403.000.

  - Nagai, Norimichi; Hirayama, Akihiko; Sugita, Norio; Kiyama, Masao; Takada, Toshio; Fujimoto, Katsunori; and Ota, Yasutaka, 4,851,292, Cl. 428-403.000.
  - Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji, 4,873,010, Cl. 252-62.590.
  - Tanihara, Mamoru; Okuda, Yoshiro; and Sadamura, Hideaki, 4,865,834, Cl. 423-634.000.
  - Yamamoto, Shigehisa; Fujita, Ryuji; Sanada, Kazutoshi; and Horiishi, Nanao, 4,828,916, Cl. 428-329.000.
- Toda, Kohji; Takahashi, Kohji; and Niwa, Yasuo, to TDK Corporation. Method of manufacturing a photoelectric conversion device. 4,835,007, 5-30-89, Cl. 427-42.000.
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  - Takahashi, Hajime; and Toda, Masahiro, 4,810,226, Cl. 446-300.000.
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  - Eino, Teruo; Amano, Atsushi; and Toda, Masato, 4,869,237, Cl. 128-6.000.
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  - Abildgaard, William H.; Chadwick, Charles; Hotkowski, Peter; and Todaro, Frank A., 4,846,616, Cl. 412-7.000.
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  - Cornelius, Paul A.; Hochstrasser, Robin M.; Kallenbach, Neville R.; Rubin, Harvey; and Todaro, George J., 4,880,512, Cl. 204-157.610.
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  - Shoyab, Mohammed; Marquardt, Hans; and Todaro, George J., 4,806,492, Cl. 436-547.000.
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  - Tedei, Thomas C., 4,815,492, Cl. 137-362.000.
- Todd, Alec: *See—*
  - Baker, Stephen R.; and Todd, Alec, 4,845,110, Cl. 514-381.000.
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- Todd, Barry A. H., to Fin Sports Limited. Racquet shock absorbing device. 4,889,337, 12-26-89, Cl. 273-73.00D.
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  - Crawford, Frances G.; Shively, John E.; Todd, Charles W.; and Yang, Y. H. Joy, 4,873,313, Cl. 530-387.000.
- Todd, Craig C.: *See—*
  - Mandell, Douglas E.; Todd, Craig C.; Allen, Ioan R.; and Davis, Mark F., 4,799,260, Cl. 381-22.000.
- Todd, David B. Earth art forms. 4,810,539, 3-7-89, Cl. 428-7.000.
- Todd Enterprises, Inc.: *See—*
  - Goldsmith, Howard G., 4,854,261, Cl. 114-343.000.
- Todd, Gary J. Bow string release device. 4,860,720, 8-29-89, Cl. 124-35.00A.
- Todd, Gerald W.: *See—*
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- Todd, Harry V. Live bait storage container and method of using same. 4,882,872, 11-28-89, Cl. 43-55.000.
- Todd, James D.; Meyer, Herbert J.; and Zorn, Albert J., to Texaco Inc. Marine seismic data acquisition system and method. 4,835,744, 5-30-89, Cl. 367-20.000.
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  - McGann, William E.; and Todd, John R., 4,868,809, C 455-126.000.
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  - Boyle, John T. A.; and Todd, Richard S., 4,808,715, C 544-235.000.
  - White, Alan C.; Cliffe, Ian A.; and Todd, Richard S., 4,803,207, C 514-267.000.
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- Todman, Michael T., to Rolls-Royce PLC. Variable stator vane assem bly. 4,861,228, 8-29-89, Cl. 415-115.000.
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  - Fukuhara, Satoru; Shinada, Hiroyuki; and Todokoro, Hideo, 4,868,394, Cl. 250-397.000.
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  - Suzuki, Toshihiro; Todokoro, Yasuyuki; and Komenou, Kazunari, 4,877,717, Cl. 430-321.000.
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  - Grimm, Ekkehard; and Todteberg, Eckhard, 4,886,486, Cl. 494-20.000.
- Toedter, Gary P.: *See—*
  - Kortright, Kenneth H.; Hofheinz, David E.; and Toedter, Gary P., 4,865,971, Cl. 435-7.000.
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- Toews, Harvey R. Throwing toy. 4,861,304, 8-29-89, Cl. 446-34.000.
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  - Di Domenico, Roberto; Castoldi, Daniele; Spinelli, Silvano; Tofanetti, Odoardo; Tognella, Sergio; and Gandolfi, Carmelo A., 4,849,437, Cl. 514-365.000.
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  - Kerner, James M.; Palmer, Carl; Reed, Michael A.; and Pagendarm, John J., 4,833,888, Cl. 62-3.300.
- Tofield, Graham M.: *See—*
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  - Graves, William H., Jr.; Wallace, Gary W.; Bradford, Bruce P.; Carpenter, Carolyn R.; Smith, Kenneth W.; and Toft, Howard C., 4,880,018, Cl. 131-375.000.
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  - Brazdil, James F., Jr.; Glaeser, Linda C.; and Toft, Mark A., 4,801,568, Cl. 502-209.000.
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  - Northeved, Allan; and Toftkjaer, Gert, 4,844,081, Cl. 128-660.030.
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  - Maki, Kazuyoshi; Otsubo, Masayuki; and Uchida, Shizutaka, 4,860,161, Cl. 361-338.000.
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- Toganoh, Shigeo: *See—*
  - Kono, Shunzo; Mouri, Hidemasa; Tobita, Michiaki; Ishida, Masahiko; Eto, Naonobu; Akiya, Takashi; Toganoh, Shigeo; Higuma, Masahiko; Sakaki, Mamoru; and Arai, Ryuichi, 4,801,497, Cl. 428-332.000.
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- Togashi, Fusaji; and Hagisawa, Toshihiko, to NEC Corporation. Moving target indicator. 4,809,002, 2-28-89, Cl. 342-160.000.
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  - Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
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- Togashi, Mitsuo: *See—*
  - Kobayashi, Kazuo; Togashi, Mitsuo; and Fukuda, Satoshi, 4,812,667, Cl. 250-578.000.
- Togashi, Shigeru: *See—*
  - Aoki, Ken; Hoshi, Katsuhiko; Satoh, Shigeo; Kakinuma, Mitsuru; Togashi, Shigeru; and Saitoh, Hiromi, 4,860,550, Cl. 62-135.000.
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  - Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, 4,859,255, Cl. 148-302.000.
- Togawa, Takahiro: *See—*
  - Okoma, Kaoru; and Togawa, Takahiro, 4,850,830, Cl. 418-63.000.
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  - Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.

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  - Mochizuki, Takanori; Toda, Kenzo; Koga, Mamoru; Togawa, Yoshiyuki; Takayama, Shinitiro; and Imai, Katsuyuki, 4,804,450, Cl. 204-299.00R.
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- Tognoni, Carlo: *See—*
  - Scarati, Mario A.; Re, Alberto; Tognoni, Carlo; and Gavezotti, Piero, 4,842,939, Cl. 428-421.000.
- Tognoni, Keith L.; Fitzgerald, John; Welch, Glenn; and Yonkers, Paul, to Digital Equipment Corporation. Video circuit enclosure for attachment to a cathode ray tube. 4,873,578, 10-10-89, Cl. 358-254.000.
- Togo, asahiko; and Abe, Kazutoshi, to Nippon Paint Co., Ltd. Powder coating composition. 4,824,909, 4-25-89, Cl. 525-124.000.
- Togo Japan Inc.: *See—*
  - Yamada, Kazuo, 4,831,937, Cl. 104-56.000.
- Togo, Shigeru: *See—*
  - Murata, Kazuo; Togo, Shigeru; and Furuta, Masamichi, 4,817,748, Cl. 180-79.100.
- Togo, Sigeru; Saito, Yoichi; Tateyama, Masayuki; Okuma, Genji; and Miyazaki, Hiroya, to Nissan Motor Co., Ltd. Electrically powered power steering system for industrial vehicle or the like. 4,873,475, 10-10-89, Cl. 318-489.000.
- Togo, Tatsuo: *See—*
  - Morita, Shizuo; Tada, Kiyoshi; Togo, Tatsuo; and Tazaki, Hiroo, 4,814,742, Cl. 340-825.540.
- Togoshi, Hideyuki, to Chiyoda Kogyo Co., Ltd. Pipe bender. 4,843,859, 7-4-89, Cl. 72-149.000.
- Toguchi, Akira, to Sanyo Electric Co., Ltd. Still reproduction controlling circuit. 4,841,381, 6-20-89, Cl. 360-10.300.
- Toguchi, Takehiko; Tateno, Mamoru; Shibata, Kiwamu; and Inoue, Hiromichi, to Matsushita Electric Works, Ltd. Sealed contact device. 4,866,227, 9-12-89, Cl. 200-147.00A.
- Toguri, James: *See—*
  - Harris, Ralph; Toguri, James; and Wraith, Albert, 4,888,052, Cl. 75-20.00R.
- Tohara, Hisanori, to Kabushiki Kaisha Toshiba. Error checking apparatus. 4,887,268, 12-12-89, Cl. 371-40.100.
- Tohara, Hisanori: *See—*
  - Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,884,196, Cl. 364-200.000.
  - Thiel, Geoffrey L.; Hodgkiss, Douglas H.; and Tohara, Hisanori, 4,887,211, Cl. 364-413.130.
- Tohatsu Corporation: *See—*
  - Hamanaka, Tamotsu, 4,881,513, Cl. 123-664.000.
  - Ogawa, Toshimitsu; and Kudo, Shinichi, 4,801,282, Cl. 440-84.000.
- Tohda, Takao; Matsuoka, Tomizo; Fujita, Yosuke; Abe, Atsushi; and Nitta, Tsuneharu, to Matsushita Electric Industrial Co., Ltd. Electroluminescent display device. 4,814,668, 3-21-89, Cl. 313-506.000.
- Tohda, Takao: *See—*
  - Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Nishikawa, Masahiro; Matsuoka, Tomizo; and Abe, Atsushi, 4,847,609, Cl. 340-781.000.
  - Kuwata, Jun; Fujita, Yosuke; Tohda, Takao; Abe, Atsushi; and Matsuoka, Tomizo, 4,888,246, Cl. 428-432.000.
  - Nishikawa, Masahiro; Tohda, Takao; Kuwata, Jun; Fujita, Yosuke; Matsuoka, Tomizo; and Abe, Atsushi, 4,869,973, Cl. 428-690.000.
- Tohge, Noboru: *See—*
  - Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.
  - Minami, Tsutomu; Tohge, Noboru; Katayama, Shinya; and Matsuno, Yoshihiro, 4,810,547, Cl. 428-65.000.
- Tohill, Henry J.: *See—*
  - Hensley, John J.; Waldhelm, Christian M.; Tohill, Henry J.; and Kubarych, Kenneth G., 4,878,678, Cl. 277-235.00A.
- Tohji, Shigeo: *See—*
  - Suzuki, Noboru; and Tohji, Shigeo, 4,868,592, Cl. 354-400.000.
- Tohjoh, Yoshikazu; Hasegawa, Akira; and Sato, Tomoaki, to Olympus Optical Co., Ltd. Endoscope apparatus. 4,856,495, 8-15-89, Cl. 128-6.000.
- Tohkai Kogyo Co., Ltd.: *See—*
  - Hirai, Yoichi; and Ito, Toshikazu, 4,842,829, Cl. 422-186.080.
- Tohkairin, Akira: *See—*
  - Honshima, Teruhisa; Watanabe, Yasuaki; Takahachi, Akira; Samata, Tadayochi; Tohkairin, Akira; and Ogasawara, Nobuhiko, 4,829,206, Cl. 310-214.000.
- Tohma, Hitoshi: *See—*
  - Hiro, Masaaki; Kimura, Tomohiro; Tanaka, Hisami; Kashimura, Noboru; Tanaka, Shigemori; Tohma, Hitoshi; and Hisamura, Masafumi, 4,877,701, Cl. 430-59.000.
- Tohma, Kiyokazu: *See—*
  - Sugita, Ryuji; Tohma, Kiyokazu; Honda, Kazuyoshi; and Nanba, Taro, 4,859,501, Cl. 427-131.000.
- Tohma, Koichi: *See—*
  - Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
  - Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
  - Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma, Koichi; and Suzuki, Takayuki, 4,880,686, Cl. 428-212.000.
- Tohnichi Computer Applications Co., Ltd.: *See—*
  - Hayashi, Shigeru; Saito, Takasui; Horiuchi, Shoji; and Takahashi, Tadashi, 4,882,478, Cl. 250-211.00R.
- Toho Belson Co., Ltd.: *See—*
  - Ogawa, Hiroyasu; and Shigei, Tetsuro, 4,830,845, Cl. 423-447.200.
- Toho Development Engineering Co., Ltd.: *See—*
  - Kobari, Osamu; and Kida, Takashi, 4,824,364, Cl. 432-30.000.
- Toho Gas Co., Ltd.: *See—*
  - Kurosawa, Shigekichi; Nagaoka, Yoshikazu; Kannoh, Shinichi; Takemoto, Sadatoshi; Sugimoto, Shigeo; Oouchi, Tomihisa; Hatada, Toshio; Kunugi, Yoshifumi; Kawamura, Hironobu; Kohno, Kyoji; and Machizawa, Kenzi, 4,841,744, Cl. 62-475.000.
- Toho Kinzoku Co., Ltd.: *See—*
  - Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, 4,882,519, Cl. 313-633.000.
- Toho Rayon Co., Ltd.: *See—*
  - Iwata, Yoshikazu; Sugiyama, Makoto; and Miyauchi, Motohisa, 4,820,905, Cl. 219-390.000.
  - Ogawa, Hiroyasu; Shimazaki, Kenji; and Niijima, Kenji, 4,861,809, Cl. 523-149.000.
  - Ogawa, Hiroyasu; Kogo, Yasuo; Takahashi, Shuji; and Suzuki, Yasuo, 4,883,712, Cl. 428-367.000.
  - Takahashi, Hayashi; and Yagi, Tadasu, 4,869,856, Cl. 264-29.200.
  - Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, 4,849,275, Cl. 428-224.000.
- Toho Titanium Co., Ltd.: *See—*
  - Kawahara, Haruyuki; Tanaka, Katsumi; Ashiura, Yasuyuki; and Yoshimura, Motonobu, 4,842,517, Cl. 433-173.000.
  - Murai, Atsushi; Terano, Minoru; Kimura, Kohei; and Inoue, Masuo, 4,839,321, Cl. 502-127.000.
  - Murai, Atsushi; Terano, Minoru; Kimura, Kohei; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,847,227, Cl. 502-127.000.
  - Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445, Cl. 75-0.50B.
  - Shindo, Takuji; Naito, Hiromitsu; Kondo, Masayoshi; Fukuyama, Takashi; Koizumi, Masaaki; and Fukuda, Nobuo, 4,886,559, Cl. 148-421.000.
  - Terano, Minoru; Murai, Atsushi; Inoue, Masuo; and Miyoshi, Katsuyoshi, 4,816,433, Cl. 502-127.000.
  - Terano, Minoru; Soga, Hirokazu; and Kimura, Kohei, 4,829,037, Cl. 502-112.000.
- Tohoku Dotetsu Kabushiki Kaisha: *See—*
  - Matsubara, Yasushi; Miyagawa, Minoru; and Takahashi, Masanori, 4,882,371, Cl. 523-306.000.
- Tohoku Electric Power Company, Incorporated: *See—*
  - Watanabe, Kuniya, 4,815,286, Cl. 60-398.000.
- Tohoku Mikuni Kogyo Kabushiki Kaisha: *See—*
  - Kubota, Kenichi, 4,797,073, Cl. 417-461.000.
- Tohoku Ricoh Co., Ltd.: *See—*
  - Hashimoto, Yoshio; and Tajima, Hiroki, 4,820,005, Cl. 350-6.800.
  - Ulinski, Richard J., Sr.; Clarke, Hugh C.; Evers, Richard A.; and Stevens, Richard N., 4,795,281, Cl. 400-74.000.
  - Yomogida, Matsuo, 4,833,309, Cl. 235-462.000.
- Tohoku Steel Co., Ltd.: *See—*
  - Sawada, Takeshi; Shinmi, Akira; Takagi, Hiroshi; Suzuki, Kenji; Kishi, Fumio; and Kozuki, Susumu, 4,835,069, Cl. 428-694.000.
  - Takahashi, Minoru; Miyazaki, Terunobu; Shinagawa, Susumu; Abe, Yuudou; and Saitou, Yoshinobu, 4,833,044, Cl. 428-694.000.
- Tohoku University: *See—*
  - Tomita, Akira; Ohtsuka, Yasuo; Takarada, Takayuki; and Natatame, Toshihide, 4,848,983, Cl. 48-202.000.
- Tohonen, Mauno: *See—*
  - Lindroos, Kaj; and Tohonen, Mauno, 4,856,158, Cl. 29-116.100.
- Tohpren, Co., Ltd.: *See—*
  - Nakamura, Yoshiaki; Marukawa, Kiichi; and Nagaki, Kazuyoshi, 4,841,022, Cl. 528-487.000.
- Tohya, Kouzi: *See—*
  - Takenaka, Fumio; Tohya, Kouzi; and Ohtsuka, Yoshihiro, 4,885,229, Cl. 430-285.000.
- Tohyama, Atsuko: *See—*
  - Nishimura, Shigeoki; Fujita, Kazunori; Sugimoto, Hiroyuki; Tohyama, Atsuko; Ebato, Noboru; and Matsuda, Shinpei, 4,879,192, Cl. 429-198.000.

- Tohyama, Kay, to Fujitsu Limited. Semiconductor resistance element used in a semiconductor integrated circuit. 4,810,907, 3-7-89, Cl. 307-475.000.
- Tohyama, Noboru: *See—*
  - Kan, Fumitaka; Arahara, Kohzoh; Tohyama, Noboru; Yuasa, Toshiya; and Fukumoto, Hiroshi, 4,838,940, Cl. 106-22.000.
  - Kan, Fumitaka; Tamura, Yasuyuki; Kushida, Naoki; Tohma, Koichi; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; and Koizumi, Norihiko, 4,881,084, Cl. 346-1.100.
  - Kan, Fumitaka, deceased; Koizumi, Norihiko; Fukumoto, Hiroshi; Yuasa, Toshiya; Tohyama, Noboru; Mishina, Shinya; and Tanioka, Hiroshi, 4,855,763, Cl. 346-160.100.
- Tohyama, Shigeo: *See—*
  - Murakoshi, Takeo; Yoshii, Masaki; Tohyama, Shigeo; Minakawa, Sadao; and Kaneda, Aizo, 4,810,089, Cl. 356-35.000.
- Tohyama, Shigeru, to NEC Corporation. Optoelectric transducer. 4,875,084, 10-17-89, Cl. 357-30.000.
- Tohyama, Shoichiro: *See—*
  - Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,091, Cl. 360-48.000.
- Tohyama, Shunroku: *See—*
  - Amano, Jiro; Shimada, Masato; Takano, Kouzou; and Tohyama, Shunroku, 4,803,116, Cl. 428-286.000.
- Tohyama, Yoshikuni: *See—*
  - Aoki, Tomohiro; Kawakubo, Kazuo; Furuichi, Katsushi; Namekata, Kiyokazu; Tanaka, Hidetoshi; Tohyama, Yoshikuni; Kasamura, Toshirou; and Honma, Toshio, 4,845,528, Cl. 355-210.000.
  - Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, 4,803,520, Cl. 355-7.000.
- Tohzuka, Takashi; Ishikawa, Sueyoshi; Kubo, Katsuyoshi; Honda, Yoshitaka; Ohmure, Yukio; and Kataoka, Norio, to Daikin Industries Ltd. Halogen-containing polyether and its use. 4,836,944, 6-6-89, Cl. 252-54.000.
- Tohzuka, Takashi: *See—*
  - Ohsaka, Yohnosuke; Tohzuka, Takashi; and Takaki, Shoji, 4,845,268, Cl. 560-184.000.
- Toi, Hiroshi; Fujita, Shinichi; and Uragaki, Makoto, to Sony Corporation. Automatic disk handling device with overturn plate. 4,815,056, 3-21-89, Cl. 369-36.000.
- Toi, Koji: *See—*
  - Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, 4,816,484, Cl. 514-563.000.
- Toi, Nao: *See—*
  - Fujikura, Yoshiaki; Kitsuki, Tomohito; Fujita, Manabu; and Toi, Nao, 4,839,340, Cl. 512-9.000.
- Toida, Tomohiro: *See—*
  - Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.
- Toida, Tsutomu: *See—*
  - Matsuoka, Hiroo; Toida, Tsutomu; Takinami, Takao; Takenaka, Senji; and Fujita, Tetsuo, 4,855,124, Cl. 423-574.00L.
- Toida, Yoichi: *See—*
  - Marumo, Chihiro; Toida, Yoichi; Nemoto, Masatsugu; Iida, Junichi; and Sakuma, Kenji, 4,888,984, Cl. 73-105.000.
- Toide, Eiichi; Shikama, Shinsuke; and Kondo, Mitsushige, to Mitsubishi Denki Kabushiki Kaisha. Optical head utilizing diffraction grating. 4,817,072, 3-28-89, Cl. 369-44.000.
- Toide, Eiichi: *See—*
  - Shikama, Shinsuke; Kondo, Mitsushige; and Toide, Eiichi, 4,797,545, Cl. 250-201.000.
  - Shikama, Shinsuke; Toide, Eiichi; and Kondo, Mitsushige, 4,811,329, Cl. 369-116.000.
  - Shikama, Shinsuke; and Toide, Eiichi, 4,835,761, Cl. 369-122.000.
  - Shikama, Shinsuke; Toide, Eiichi; Kondou, Mitsushige; and Iwata, Kazuo, 4,888,760, Cl. 369-122.000.
- Toikka, Arto E.: *See—*
  - Toikka, Ensio A.; and Toikka, Arto E., 4,838,570, Cl. 280-507.000.
- Toikka, Ensio A.; and Toikka, Arto E. Method, control system and equipment to prevent the theft of an articulated vehicle and/or a trailer to be connected with a drawing vehicle. 4,838,570, 6-13-89, Cl. 280-507.000.
- Toikka, Osmo: *See—*
  - Aaltonen, Olli; Martikainen, Antti; Rantala, Borje; Ekstrom, Jan; and Toikka, Osmo, 4,896,528, Cl. 55-158.000.
- Toishi, Yoshiyuki, to Yoshida Kogyo K. K. Foot-operated press. 4,799,612, 1-24-89, Cl. 227-121.000.
- Toita, Sadamu: *See—*
  - Harakawa, Yoshihiro; Izawa, Koji; Takeuchi, Hidemitsu; Nakamura, Shinji; and Toita, Sadamu, 4,805,074, Cl. 361-525.000.
- Toiyama, Yoshiro, to Kayaba Kogyo Kabushiki Kaisha. Seat damper assembly. 4,842,238, 6-27-89, Cl. 248-562.000.
- Toizumi, Yasushi; and Kawase, Dai, to Olympus Optical Co., Ltd. Video floppy system. 4,816,935, 3-28-89, Cl. 360-66.000.
- Toja, Emilio; Zirotti, Carlo; Galliani, Giulio; and Barzaghi, Fernando, to Roussel Uclaf. 1-styrenesulphonyl-2-oxo-5-hydroxy pyrrolidines and their use for memory restoration after electoshock treatment. 4,810,722, 3-7-89, Cl. 514-425.000.
- Toja, Emilio; Gorini, Carlo; Zirotti, Carlo; Barzaghi, Fernando; and Galliani, Giulio, to Roussel Uclaf. 1-benzenesulphonyl-2-oxo-5-alkoxypyrrolidines and medical methods of use thereof. 4,829,079, 5-9-89, Cl. 514-425.000.
- Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, to Roussel Uclaf. Derivatives of 1-benzyl-2-oxo-5-alkoxy-pyrrolidine, and medicament compositions containing them. 4,882,350, 11-21-89, Cl. 514-425.000.
- Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, to Roussel Uclaf. Derivatives of 1-arylsulphonyl-2-oxo-5-alkoxy-pyrrolidine and medical compositions containing them. 4,885,306, 12-5-89, Cl. 514-425.000.
- Toja, Emilio; Gorini, Carlo; Barzaghi, Fernando; and Galliani, Giulio, to Roussel Uclaf. Derivatives of 1-arylsulphonyl-1,5-dihydro-2H-pyrrol-2-one, and compositions containing them. 4,885,307, 12-5-89, Cl. 514-425.000.
- Toji, Eiichi: *See—*
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,847,052, Cl. 422-249.000.
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,849,188, Cl. 422-249.000.
- Toji, Masuo: *See—*
  - Chiang, George C.; and Toji, Masuo, 4,886,881, Cl. 544-194.000.
- Toji, Shigeo: *See—*
  - Ogawa, Ryota; Toji, Shigeo; Yoshida, Kazushi; and Okura, Zenichi, 4,890,133, Cl. 354-402.000.
  - Suzuki, Noboru; and Toji, Shigeo, 4,853,732, Cl. 354-402.000.
  - Suzuki, Noboru; Toji, Shigeo; and Uenaka, Yukio, 4,876,603, Cl. 358-227.000.
- Tojima, Hitoshi: *See—*
  - Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
- Tojo, Akihiko: *See—*
  - Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.
  - Kinoshita, Takao; Tojo, Akihiko; and Suga, Akira, 4,870,495, Cl. 358-213.280.
  - Kinoshita, Takao; and Tojo, Akihiko, 4,887,160, Cl. 358-213.260.
  - Suga, Akira; Kinoshita, Takao; Sakai, Shinji; and Tojo, Akihiko, 4,821,105, Cl. 358-213.190.
  - Suzuki, Masao; Hashimoto, Seiji; Tojo, Akihiko; Takayama, Tsutomu; and Kaji, Toshio, 4,833,525, Cl. 358-29.000.
- Tojo, Chiaki: *See—*
  - Kobayashi, Yoshio; Tojo, Chiaki; and Kinoshita, Masayoshi, 4,796,547, Cl. 110-263.000.
- Tojo, Kabuji: *See—*
  - Chien, Yie W.; Chiang, Chin-Chih; and Tojo, Kabuji, 4,806,341, Cl. 424-448.000.
- Tojo, Kenji; Kadomukai, Yuzo; Takao, Kunihiko; Nakamura, Yozo; Suginuma, Atsushi; Hayase, Isao; and Takahashi, Yukio, to Hitachi, Ltd. Variable capacity swash plate compressor. 4,801,248, 1-3-89, Cl. 417-222.000.
- Tojo, Kenji; Kawashima, Kenichi; Suefuji, Kazutaka; and Nakamura, Yozo, to Hitachi, Ltd. Scroll compressor with sealed pressure space biasing the orbiting scroll member. 4,861,245, 8-29-89, Cl. 418-55.000.
- Tojo, Kenji: *See—*
  - Kawashima, Kenichi; Suginuma, Atsushi; Takahashi, Yukio; Tojo, Kenji; and Takao, Kunihiko, 4,867,649, Cl. 417-222.00S.
- Tojo, Kikumi: *See—*
  - Nishioka, Kimihiko; Tojo, Kikumi; and Yokota, Akira, 4,867,546, Cl. 350-432.000.
- Tojo, Nobuo, to Maruyama Mfg. Co. Inc. Seal device for reciprocating pump. 4,875,690, 10-24-89, Cl. 277-12.000.
- Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, to Mitsui Petrochemical Industries, Ltd. Chlorinated rubber. 4,814,390, 3-21-89, Cl. 525-331.700.
- Tojo, Tetsuo; Nakahara, Takashi; Otawa, Yasuhiko; and Okamoto, Katsuo, to Mitsui Petrochemical Industries, Ltd. Chlorinated rubber. 4,877,817, 10-31-89, Cl. 521-142.000.
- Tojo, Tetsuo: *See—*
  - Otawa, Yasuhiko; Tojo, Tetsuo; Matsuda, Akira; and Okamoto, Katsuo, 4,818,785, Cl. 524-576.000.
- Tojo, Toru; Tabata, Mitsuo; and Yoshino, Hisakazu, to Kabushiki Kaisha Toshiba; and Tokyo Kogaku Kikai Kabushiki Kaisha. Method and device for aligning first and second objects relative to each other. 4,808,002, 2-28-89, Cl. 356-401.000.
- Tojo, Toru: *See—*
  - Tabata, Mitsuo; Tojo, Toru; and Shimozono, Hiroaki, 4,811,062, Cl. 356-152.000.
- Tojo, Toshiro; Takato, Kenji; Kinoshita, Kazumi; and Yamamoto, Yuzo, to Fujitsu Limited. Protection circuit for battery feed circuit. 4,862,309, 8-29-89, Cl. 361-56.000.
- Tojo, Toshiro: *See—*
  - Takato, Kenji; Kinoshita, Kazumi; Tojo, Toshiro; and Yamamoto, Yuzo, 4,827,503, Cl. 379-373.000.
  - Takato, Kenji; Tojo, Toshiro; Iketani, Yozo; Ayano, Mitsutoshi; and Shibuya, Kiyoshi, 4,827,505, Cl. 379-413.000.
- Tojo, Yoshikazu: *See—*
  - Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
  - Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.
  - Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hat-

tori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.
Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.
Tojyo, Shigeki: *See—*
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya; Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.
Tokai Carbon Co., Ltd.: *See—*
Nakada, Toshio; Takemura, Fumio; and Ishiwata, Masao, 4,888,215, Cl. 427-215.000.
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Nitta, Tomio, 4,838,459, Cl. 222-136.000.
Nitta, Tomio, 4,859,172, Cl. 431-153.000.
Nitta, Tomio, 4,863,373, Cl. 431-255.000.
Nitta, Tomio, 4,878,833, Cl. 431-146.000.
Nitta, Tomio, 4,878,834, Cl. 431-152.000.
Nitta, Tomio, 4,878,836, Cl. 431-277.000.
Nitta, Tomio, 4,884,964, Cl. 431-277.000.
Nitta, Tomio, 4,884,965, Cl. 431-277.000.
Tokai Industrial Sewing Machine Co., Ltd.: *See—*
Tajima, Ikuo, 4,848,253, Cl. 112-99.000.
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Unuma, Sadao, 4,826,337, Cl. 400-616.200.
Unuma, Sadao; and Yamashita, Masashi, 4,836,430, Cl. 226-74.000.
Yada, Yukihiko; and Kishio, Toshiaki, 4,884,380, Cl. 52-208.000.
Tokai Rubber Industries, Ltd.: *See—*
Funahashi, Yoshiki; and Hibi, Masayuki, 4,848,756, Cl. 267-140.100.
Goto, Katsuhiro, 4,865,299, Cl. 267-140.100.
Igarashi, Ichiro; Ito, Hiroaki; and Nishimura, Kazuhiko, 4,887,647, Cl. 138-126.000.
Kanda, Ryouji, 4,854,561, Cl. 267-140.100.
Kanda, Ryouji, 4,856,764, Cl. 267-140.100.
Kanda, Ryouji, 4,871,151, Cl. 267-140.100.
Kanda, Ryouji, 4,883,260, Cl. 267-140.100.
Katayama, Motohiro; and Suzuki, Tatsuya, 4,826,126, Cl. 248-562.000.
Katayama, Motohiro; and Suzuki, Tatsuya, 4,850,578, Cl. 267-140.100.
Katayama, Motohiro; and Suzuki, Tatsuya, 4,880,215, Cl. 267-140.100.
Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.
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Ohkita, Katsuhiko; Ogata, Kazuhiro; and Niwa, Ken, 4,882,101, Cl. 264-26.000.
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Serizawa, Minoru; and Tazuke, Yutaka, 4,815,332, Cl. 74-573.00R.
Serizawa, Minoru; and Tazuke, Yutaka, 4,881,426, Cl. 74-574.000.
Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, 4,880,318, Cl. 384-125.000.
Tanahashi, Haruhiko; Tsukamoto, Yoshikazu; and Miyakawa, Shinji, 4,877,262, Cl. 280-668.000.
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Sakai, Shigekazu, 4,876,957, Cl. 101-128.400.
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Maeda, Naoyuki, 4,802,544, Cl. 180-79.100.
Sakai, Motohiro, 4,880,329, Cl. 403-134.000.
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Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Krjuchin, Andrei A.; Tokar, Alexandr P.; Shanoilo, Semen M.; Grinko, Dmitry A.; Sergienko, Tatyana I.; Judin, Gennady J.; Antonov, Evgeny E.; and Popovich, Vladislav I., 4,864,555, Cl. 369-100.000.
Petrov, Vyacheslav V.; Gorshkov, Nikolai V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; and Shanoilo, Semen M., 4,875,204, Cl. 369-100.000.
Tokar, Joseph C.: *See—*
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Schneider, Barry L.; and Tokarz, Joseph S., 4,795,449, Cl. 604-329.000.
Tokarz, Stephen, to ASC Incorporated. Electroluminescent dome light for a convertible automobile. 4,864,473, 9-5-89, Cl. 362-84.000.
Tokarz, Stephen P.; Zaback, Lon A.; Pavlak, Thomas; and Varner, Donald R., to ASC Incorporated. Passive restraint for convertible type vehicles. 4,863,190, 9-5-89, Cl. 280-808.000.
Tokarz, Stephen P., to ASC Incorporated. Heatable composite back light panel. 4,883,940, 11-28-89, Cl. 219-203.000.
Tokashiki, Michihide: *See—*
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Toker, Nazmi; and Price, Leroy R., to Allegheny Ludlum Corporation. Separating-agent composition and method using same. 4,871,40 10-3-89, Cl. 148-113.000.
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Faeth, Warren P., 4,827,987, Cl. 141-59.000.
Faeth, Warren P., 4,842,027, Cl. 141-45.000.
Forkert, Maurice J.; and Key, William D., 4,831,866, Cl. 73-3.00
Mittermaier, Armin E.; and Loy, John S., 4,864,696, Cl. 24-285.00
Simcoe, Steven B.; Orth, Charles M.; and VanDaele, John J., 4,885,443, Cl. 200-296.000.
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Toki, Motoyuki; Kanbe, Sadao; Miyashita, Satoru; and Takeuchi, Tetsuhiko, to Seiko Epson Corporation. Silica glass formation process. 4,801,318, 1-31-89, Cl. 65-18.100.
Toki, Satoshi: *See—*
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Kasugai, Joji; Toki, Satoshi; Enomoto, Koji; and Suzuki, Takamasa, 4,815,705, Cl. 251-356.000.
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Kaneko, Shinji, 4,795,010, Cl. 188-322.190.
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Kawai, Masaki, 4,857,086, Cl. 55-162.000.
Kobayashi, Kinzo; and Nakayama, Shinichi, 4,836,339, Cl. 188-73.100.
Kobayashi, Mamoru; and Nishimura, Makoto, 4,833,372, Cl. 318-696.000.
Miyazawa, Shyoichi; Kawamura, Satoshi; Tohyama, Shoichiro; Ishibashi, Akira; Kato, Kazutoshi; and Ideda, Junichi, 4,809,0 Cl. 360-48.000.
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Sawano, Susumu; Sakuma, Masaru; Nagai, Hideaki; and Funabashi, Tatsuya, 4,855,917, Cl. 364-426.020.
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Utsumi, Noriyuki, 4,831,561, Cl. 364-560.000.
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Miura, Kiyotaka; Yamashita, Toshiharu; and Tokida, Minoru, 4,845,057, Cl. 501-40.000.
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Sato, Tadakuni; and Tachiya, Yuichi, 4,881,986, Cl. 148-103.000.
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Tokio, Uetsuhara; and Hiroji, Iwasaki, to Mitsubishi Mining & Cement Co. Ltd.; and Iwasaki Electronics Co. Ltd. Step motor. 4,857,782, 8-15-89, Cl. 310-12.000.
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Akasaki, Yutaka; Tokita, Akihiko; Torikoshi, Kaoru; Imai, Akira; and Ishii, Touru, 4,820,600, Cl. 430-58.000.
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Tokita, Kiyoshi; Sone, Toshinao; Urata, Hiroshi; and Nakamura, Michio, to Kabushiki Kaisha Toshiba. Color picture tube with shadow mask supporting assembly. 4,866,333, 9-12-89, Cl. 313-406.000.
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Tokita, Muneo; and Nagata, Niro, to Kabushiki Kaisha Toshiba. Image scanner with a non-spherical fθ lens system. 4,866,459, 9-12-89, Cl. 346-108.000.
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Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, 4,865,249, Cl. 236-92.00C.
Tokitoh, Yasuo; and Yoshimura, Noriaki, to Kuraray Co., Ltd. Method for production of α,ω-dialdehydes. 4,808,756, 2-28-89, Cl. 568-454.000.
Tokitoh, Yasuo; and Yoshimura, Noriaki, to Kuraray Company, Ltd. Hydroformylation of 3-methyl-3-buten-1-ol and analogs thereof and use of such hydroformylation products. 4,861,922, 8-29-89, Cl. 568-865.000.
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Tokizane, Soichi; and Chihara, Hideaki, to Japan Association For International Chemical Information. Method of storing and searching chemical structure data. 4,811,217, 3-7-89, Cl. 364-300.000.
Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Morimoto, Ikuhisa; and Yamada, Tooru, to Matsushita Electric Works, Ltd. High-frequency cable connector. 4,813,888, 3-21-89, Cl. 429-583.000.
Tokizawa, Ikuo: *See—*
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Tokizawa, Minoru; Otsuka, Mari; Irinoda, Kazuhiko; Ishizeki, Seiji; Ishii, Fumio; Kukita, Kenichi; Matsuda, Hideaki; and Katori, Tatsuhiko, to SS Pharmaceutical Co., Ltd. 3-acylamino-3-deoxyallose derivatives. 4,849,512, 7-18-89, Cl. 536-4.100.
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Oshikawa, Michitaka, 4,841,264, Cl. 333-189.000.
Suzuki, Yukio, 4,831,661, Cl. 455-302.000.
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Tokoro, Hiroyoshi; Kobayashi, Tsuneki; Hosoya, Kensei; Nobumori, Shogo; and Hayakawa, Mitsuaki, to Hitachi Koki Co., Ltd. Duplex printing machine. 4,806,979, 2-21-89, Cl. 355-14.0SH.
Tokoro, Hiroyoshi: *See—*
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Shigematsu, Takashi; Watanabe, Tomoyuki; Tokoro, Setsuo; and Sawada, Daisaku, 4,817,469, Cl. 74-866.000.
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Tokuda, Kanji, to Fuji Photo Film Co., Ltd. Method of and apparatus for producing reprint. 4,806,986, 2-21-89, Cl. 355-38.000.
Tokuda, Kanji, to Fuji Photo Film Co., Ltd. Method of an apparatus for producing additional print. 4,841,340, 6-20-89, Cl. 355-38.000.
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- Tokuda, Kazuhiro; and Harase, Toshikatsu, to Fuji Photo Film Co., Ltd. Device for detecting reference position of magnetic head. 4,829,394, 5-9-89, Cl. 360-75.000.
- Tokuda, Kuniaki; Morii, Seiji; and Yamanishi, Kazuhiko, to Wako Pure Chemical Industries, Ltd. Process for determination of γ-GTP activity. 4,879,221, 11-7-89, Cl. 435-15.000.
- Tokuda, Kuniaki: *See*—
  - Ogata, Hiroshi; Nawa, Hiroyoshi; Tokuda, Kuniaki; and Ishihara, Masami, 4,851,572, Cl. 562-437.000.
- Tokuda, Manabu: *See*—
  - Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, 4,877,456, Cl. 106-270.000.
- Tokuda, Masahide: *See*—
  - Mizuishi, Kenichi; Tokuda, Masahide; and Chiba, Katuaki, 4,819,857, Cl. 228-121.000.
- Tokuda, Masamori: *See*—
  - Higashi, Kazutada; Tokuda, Masamori; Nakano, Hiroshi; and Ohta, Tomozo, 4,890,076, Cl. 332-170.000.
- Tokuda Seisakusho Co., Ltd.: *See*—
  - Akutsu, Shigeru; Matsumura, Yasushi; and Hattori, Ryuichi, 4,809,596, Cl. 99-472.000.
- Tokuda, Shigeo, to International Business Machines Corp. Method for displaying box cursors. 4,829,292, 5-9-89, Cl. 340-709.000.
- Tokuda, Shuichiro: *See*—
  - Yamamoto, Naohiro; and Tokuda, Shuichiro, 4,865,417, Cl. 350-96.300.
- Tokuda, Toshio; Tokieda, Tsunemi; and Ishida, Norio, to Showa Denko Kabushiki Kaisha. Apparatus and method for prevention of pulsating flow in liquid chromatograph. 4,794,954, 1-3-89, Cl. 138-30.000.
- Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor laser device. 4,817,110, 3-28-89, Cl. 372-45.000.
- Tokuda, Yasunori; and Fujiwara, Kenzo, to Mitsubishi Denki Kabushiki Kaisha. Process for producing a DFB laser with a diffraction grating superlattice. 4,843,032, 6-27-89, Cl. 437-129.000.
- Tokugawa, Kazuya: *See*—
  - Iwatani, Shiro; and Tokugawa, Kazuya, 4,803,377, Cl. 290-38.00R.
- Tokugawa, Osamu, to Nippon Seiko Kabushiki Kaisha. Anchorage for webbing of vehicle seat belt system. 4,824,175, 4-25-89, Cl. 297-473.000.
- Tokuhara, Masaharu: *See*—
  - Sonoda, Yutaka; Yuchi, Hirofumi; Murakami, Kyoichi; and Tokuhara, Masaharu, 4,862,269, Cl. 358-160.000.
- Tokuhara, Mitsuhiro: *See*—
  - Okutomi, Masatoshi; Sueda, Tetsuo; and Tokuhara, Mitsuhiro, 4,833,721, Cl. 382-21.000.
- Tokuhara, Yasutaka: *See*—
  - Nakamura, Kenji; and Tokuhara, Yasutaka, 4,807,993, Cl. 356-323.000.
- Tokuji Koshiba: *See*—
  - Nishiguchi, Narachiyo, 4,848,411, Cl. 139-358.000.
- Tokumaru, Hisashi, to Minolta Camera Kabushiki Kaisha. Zoom lens system. 4,844,600, 7-4-89, Cl. 350-427.000.
- Tokumaru, Hisashi; and Ogino, Shuji, to Minolta Camera Kabushiki Kaisha. Zoom lens system. 4,846,562, 7-11-89, Cl. 350-426.000.
- Tokumaru, Hisashi: *See*—
  - Mukai, Hiromu; and Tokumaru, Hisashi, 4,806,003, Cl. 350-459.000.
  - Taniguchi, Nobuyuki; Karasaki, Toshihiko; Mukai, Hiromu; Tokumaru, Hisashi; and Ishida, Tokuji, 4,878,076, Cl. 354-286.000.
- Tokumaru, Kaoru, to Yugen Kaisha Tokumaru Kogyo. Eyeglass frame and process for injection molding same. 4,798,453, 1-17-89, Cl. 351-41.000.
- Tokumaru, Sennosuke; Kubo, Michinori; and Nogami, Mari, to Tokumaru, Sennosuke. Lyophilized process for the production of a kefir yoghurt. 4,797,290, 1-10-89, Cl. 426-43.000.
- Tokumaru, Takeji; and Kishigami, Hidechika, to Kabushiki Kaisha Toshiba. Booth's multiplier. 4,807,175, 2-21-89, Cl. 364-760.000.
- Tokumaru, Takeji, to Kabushiki Kaisha Toshiba. Adder. 4,817,031, 3-28-89, Cl. 364-787.000.
- Tokumaru, Takeji, to Kabushiki Kaisha Toshiba. Barrel shifter for rotating data with or without carry. 4,831,571, 5-16-89, Cl. 364-715.080.
- Tokumaru, Takeji; and Nagata, Miyuki, to Kabushiki Kaisha Toshiba. Barrel shifter including rotate operation. 4,839,839, 6-13-89, Cl. 364-715.080.
- Tokumaru, Takeji, to Kabushiki Kaisha Toshiba. Highly responsive barrel shifter. 4,839,840, 6-13-89, Cl. 364-715.080.
- Tokumaru, Yuzo; and Nishi, Osamu, to Sumitomo Electric Industries, Ltd. Method and apparatus for connecting optical fibers. 4,812,008, 3-14-89, Cl. 350-96.210.
- Tokumitsu, Jun; Saito, Kenji; Handa, Yuichi; Tanaka, Nobuyoshi; and Nojiri, Hidetoshi, to Canon Kabushiki Kaisha. Optical operation apparatus for effecting parallel signal processing by detecting light transmitted through a filter in the form of a matrix. 4,815,027, 3-21-89, Cl. 364-841.000.
- Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, to Hitachi, Ltd.; and Nippon T & T. Information recording control system reusing a defective area. 4,833,665, 5-23-89, Cl. 369-58.000.
- Tokumitsu, Shigenori, to Kabushiki Kaisha Toshiba. Memory control device. 4,796,221, 1-3-89, Cl. 364-900.000.
- Tokumitsu, Shigenori, to Tokyo Shibaura Denki Kabushiki Kaisha. Data processor employing run-length coding. 4,845,662, 7-4-89, Cl. 364-900.000.
- Tokumitsu, Shuichi: *See*—
  - Tamura, Hisao; Tokumitsu, Shuichi; and Tagawa, Yuji, 4,796,951, Cl. 297-337.000.
- Tokumitsu, Yasuyuki: *See*—
  - Saito, Toshiyuki; Okubo, Naofumi; Kaneko, Yoshiaki; and Tokumitsu, Yasuyuki, 4,796,155, Cl. 361-385.000.
- Tokumo, Akio: *See*—
  - Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasai, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; an Sato, Takeshi, 4,868,878, Cl. 381-1.000.
- Tokumo, Masateru; Shirakawa, Kinichi; Koyakumaru, Takatoshi; Okaya, Takuji; Onishi, Hiroyuki; and Kohno, Hiroji, to Kuraray Co., Ltd.; and Rengo Co., Ltd. Production process and adhesives fo corrugated board. 4,824,696, 4-25-89, Cl. 427-208.600.
- Tokumoto, Mako: *See*—
  - Takao, Shoji; Nakashima, Hiroshi; Tokumoto, Mako; Sano, Makoto; and Watanabe, Makoto, 4,855,159, Cl. 426-656.00
- Tokumoto, Yuuichi: *See*—
  - Shimizu, Isoo; and Tokumoto, Yuuichi, 4,855,518, Cl. 585-319.00
  - Shimizu, Isoo; Mitsuyuki, Hiroshi; Uchida, Kazumichi; an Tokumoto, Yuuichi, 4,855,519, Cl. 585-319.000.
- Tokunaga, Atuto: *See*—
  - Kataoka, Mutsuo; and Tokunaga, Atuto, 4,800,151, Cl. 430-270.00
- Tokunaga, Haruhiko: *See*—
  - Takekoshi, Makoto; Inagaki, Masahisa; and Tokunaga, Haruhiko 4,834,565, Cl. 400-320.000.
- Tokunaga, Hiroki: *See*—
  - Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; an Haga, Akinori, 4,839,368, Cl. 514-313.000.
  - Otomo, Kikuo; Yamagushi, Masashi; Iio, Masami; and Tokunaga Hiroki, 4,798,913, Cl. 570-211.000.
- Tokunaga, Hiroshi; Hamada, Jun-ichi; and Fukuchi, Masakazu, t Konishiroku Photo Industry Co., Ltd. Method of separation an formation of a color component of a color image and apparatu therefor. 4,816,900, 3-28-89, Cl. 358-75.000.
- Tokunaga, Ichiro: *See*—
  - Abe, Hiraku; and Tokunaga, Ichiro, 4,845,456, Cl. 338-32.00R.
- Tokunaga, Katsushi: *See*—
  - Okamura, Kazuo; Kitamura, Ikuo; Aomi, Hideki; Koyama, Satoshi; Tokunaga, Katsushi; Shibuya, Yoshiyuki; and Daimon, Shig 4,842,759, Cl. 252-62.510.
- Tokunaga, Kunishige: *See*—
  - Sugiura, Sadanobu; Tokunaga, Kunishige; and Kawashima, Teruhisa, 4,858,794, Cl. 222-606.000.
- Tokunaga, Masaaki; Kogure, Hiroshi; Meguro, Noriaki; and Haj Chitoshi, to Hitachi Metals, Ltd. Permanent magnet having goo thermal stability and method for manufacturing same. 4,814,1 3-21-89, Cl. 419-12.000.
- Tokunaga, Masaaki; Uchida, Kimio; and Hiraki, Akitoshi, to Hitach Metals, Ltd. Method of producing neodymium-iron-boron permanen magnet. 4,837,109, 6-6-89, Cl. 420-83.000.
- Tokunaga, Masaaki; Endoh, Minoru; Meguro, Noriaki; and Tanigawa Shigeho, to Hitachi Metals, Ltd. Process for manufacturing perma nent magnet. 4,888,068, 12-19-89, Cl. 148-104.000.
- Tokunaga, Masami: *See*—
  - Tanaka, Noriatsu; Tokunaga, Masami; Tanaka, Tsuyoshi; Koyama Satoshi; and Kikuchi, Keiichi, 4,840,837, Cl. 428-216.000.
- Tokunaga, Mikihiko: *See*—
  - Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamiy Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda Shigeru, 4,833,597, Cl. 364-200.000.
- Tokunaga, Norikazu: *See*—
  - Satoo, Masayoshi; Tokunaga, Norikazu; Amano, Hisao; Odaka Teruaki; and Matsuda, Yasuo, 4,866,589, Cl. 363-21.000.
  - Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Aman Hisao, 4,855,887, Cl. 363-8.000.
  - Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Aman Hisao, 4,878,163, Cl. 363-8.000.
- Tokunaga, Shigeo: *See*—
  - Inaba, Yoshiharu; Mitoguchi, Fumio; and Tokunaga, Shige 4,865,536, Cl. 425-556.000.
  - Inaba, Yoshiharu; and Tokunaga, Shigeo, 4,877,38 C 425-150.000.
  - Yoshiharu, Inaba; Mitoguchi, Fumio; Kamiguchi, Masao; an Tokunaga, Shigeo, 4,828,476, Cl. 425-150.000.
- Tokunaga, Shinji: *See*—
  - Fukumochi, Yoji; Tokunaga, Shinji; Suzuki, Hitoshi; Kugimiya Syuzo; Shiotani, Shinobu; and Sata, Ichiko, 4,833,61 C 364-419.000.
  - Kugimiya, Syuzo; Tokunaga, Shinji; Suzuki, Hitoshi; Fukumochi Yoji; Shiotani, Shinobu; and Sata, Ichiko, 4,880,20 C 364-419.000.
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,800,52 C 364-900.000.
  - Miyao, Kouji; Suzuki, Hitoshi; Asano, Hazime; Tokunaga, Shinji Takiguchi, Yasuhiro; and Kugimiya, Shuzo, 4,814,97 C 364-419.000.
  - Shiotani, Shinobu; Fukumochi, Yoji; Tokunaga, Shinji; Kugimiya Syuzo; Sata, Ichiko; and Suzuki, Hitoshi, 4,814,98 C 364-419.000.

- Tokunaga, Takeshi: *See*—
  - Hirose, Etsurou; Tsubaki, Toshio; Tokunaga, Takeshi; and Isoo, Osamu, 4,825,315, Cl. 360-97.010.
- Tokunaga, Toshihide: *See*—
  - Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, 4,818,047, Cl. 350-96.330.
- Tokunaga, Yoshikatu: *See*—
  - Saitoo, Shuuji; and Tokunaga, Yoshikatu, 4,862,321, Cl. 361-385.000.
- Tokunaga, Yukio; Kojima, Yoshiyuki; Maeno, Shinichiro; Sawai, Nobumitsu; and Saso, Yasuo, to Kumiai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. 5H-1,3,4-thiadiazolo(3,2-A)pyrimidin-5-one derivatives and fungicidal compositions containing the same. 4,866,064, 9-12-89, Cl. 514-258.000.
- Tokunaga, Yukio: *See*—
  - Mikami, Tomoki; Tokunaga, Yukio; Natsugari, Mitsuharu; Omatoi, Susumi; and Yokota, Shinji, 4,795,589, Cl. 252-301.60F.
- Tokuno, Masateru; Sawada, Tetsuya; Gotou, Sadaaki; and Fukaya, Toshihiro, to Rengo Co., Ltd.; and S.K. Engineering Co., Ltd. Apparatus for feeding boards. 4,795,297, 1-3-89, Cl. 414-795.400.
- Tokuno, Masateru; Sawata, Tetsuya; and Mori, Yasuharu, to Rengo Co., Ltd. Method for positioning tools. 4,798,110, 1-17-89, Cl. 83-13.000.
- Tokuno, Mitsuji: *See*—
  - Murakami, Mitsuhiro; Mikami, Takahiro; Nagamatsu, Hiroyuki; and Tokuno, Mitsuji, 4,855,373, Cl. 252-39.000.
- Tokuno, Toshiro: *See*—
  - Tsubota, Noriaki; and Tokuno, Toshiro, 4,849,318, Cl. 430-137.000.
- Tokunoh, Futoshi, to Mitsubishi Kenki Kabushiki Kaisha. Semiconductor device and a process of producing same. 4,835,119, 5-30-89, Cl. 437-209.000.
- Tokunoh, Futoshi: *See*—
  - Niwayama, Kazuhiko; Nakagawa, Tsutomu; Tokunoh, Futoshi; and Yoshida, Shigekazu, 4,881,118, Cl. 357-79.000.
- Tokunow, Masazumi: *See*—
  - Taniguchi, Masaharu; Tokunow, Masazumi; and Fujikawa, Junichi, 4,889,793, Cl. 430-284.000.
- Tokuoka, Shuji: *See*—
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Tokuono, Shinya: *See*—
  - Hase, Hiroyuki; Tokuono, Shinya; and Wakamiya, Masayuki, 4,823,617, Cl. 73-862.360.
  - Yamashita, Ichiro; Wakamiya, Masayuki; Hase, Hiroyuki; and Tokuono, Shinya, 4,812,758, Cl. 324-209.000.
- Tokura, Go; Ishikawa, Masanori; and Yamada, Akira, to Canon Kabushiki Kaisha. Disposition of a flexible printed circuit board in a camera. 4,853,734, 8-1-89, Cl. 354-485.000.
- Tokura, Koichi; and Matsui, Goro, to Risho Kogyo Co., Ltd. Molded capacitor. 4,881,149, 11-14-89, Cl. 361-328.000.
- Tokura, Seiichi: *See*—
  - Azuma, Ichiro; Tokura, Seiichi; Nishimura, Shinichiro; and Seo, Hiroshi, 4,871,092, Cl. 424-499.000.
- Tokura, Susumu: *See*—
  - Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.
- Tokuriki Honten Co., Ltd.: *See*—
  - Ozaki, Ryoji; Shinohara, Hisaji; Yamamoto, Hironobu; Nara, Takashi; and Yoshida, Hajime, 4,808,223, Cl. 75-235.000.
- Tokushige, Kazuo, to NEC Corporation. Dynamic memory circuit with improved sensing scheme. 4,879,692, 11-7-89, Cl. 365-230.030.
- Tokushige, Kazutomo: *See*—
  - Nitoh, Toshikatsu; and Tokushige, Kazutomo, 4,885,321, Cl. 523-219.000.
- Tokushima, Akira: *See*—
  - Kawasaki, Osamu; Inaba, Ritsuo; Tokushima, Akira; and Takeda, Katsu, 4,829,209, Cl. 310-323.000.
- Tokushima, Tadao: *See*—
  - Horiai, Naoshi; and Tokushima, Tadao, 4,803,129, Cl. 428-694.000.
- Tokushima, Yasuo: *See*—
  - Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kazuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.
- Tokushu Kika Kogyo Kabushiki Kaisha: *See*—
  - Furuichi, Akira; and Manri, Yasutoshi, 4,830,293, Cl. 241-163.000.
  - Taniguchi, Toru; Yamada, Yozo; and Utsumi, Tatsuo, 4,834,549, Cl. 366-286.000.
- Tokushu Paper Manufacturing Co., Ltd.: *See*—
  - Hanaya, Morimasa; Miura, Tsunemoto; Mamiya, Satoru; Isozaki, Hiroshi; and Miyajima, Kiyoshi, 4,838,751, Cl. 414-412.000.
- Tokushu Shikiryo Color & Chemical Inc.: *See*—
  - Uchiyama, Akira; and Okamoto, Katsuo, 4,889,762, Cl. 428-195.000.
- Tokutake, Nobuo: *See*—
  - Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.
- Tokutomi, Katsuya: *See*—
  - Ishikawa, Toshikatsu; Tokutomi, Katsuya; and Imai, Yoshikazu, 4,877,643, Cl. 427-57.000.
- Tokutsu, Akihito: *See*—
  - Watanabe, Junji; Iseda, Ken; Fukunaga, Takehito; and Tokutsu, Akihito, 4,852,869, Cl. 271-126.000.
- Tokuume, Yoshihiro; Tsuji, Shigeo; and Kurosawa, Kaoru, to Canon Kabushiki Kaisha. Data processing apparatus. 4,833,471, 5-23-89, Cl. 341-67.000.
- Tokuyama, Katsumi; Arai, Kanji; Ishikawa, Takuji; and Akiyama, Haruhiko, to Oki Electric Industry Co., Ltd. Radiotelephone system adapted to read a credit card. 4,845,740, 7-4-89, Cl. 379-91.000.
- Tokuyama Soda Co. Ltd.: *See*—
  - Noguchi, Yasuhiko; Naito, Masahiro; Morinaga, Kenji; Takahashi, Yohji; and Mitani, Katsuo, 4,843,021, Cl. 436-533.000.
- Tokuyama Soda Kabushiki Kaisha: *See*—
  - Hattori, Norikazu; Urabe, Sunao; and Kusumoto, Koshi, 4,877,854, Cl. 528-15.000.
  - Kato, Shozo, 4,803,223, Cl. 514-521.000.
  - Takematsu, Tetsuo; Kato, Shozo; Ishizaki, Masahiko; and Suyama, Toshihisa, 4,802,907, Cl. 71-90.000.
  - Tanaka, Takashi; Imura, Satoshi; and Kida, Yasuji, 4,882,438, Cl. 548-407.000.
  - Yamamoto, Yoshihisa; and Kagiyama, Yasuhiro, 4,806,219, Cl. 204-182.400.
  - Yamashita, Hiroya; Yamamura, Takeshi; and Yoshimoto, Katsutoshi, 4,801,368, Cl. 204-293.000.
- Tokuyama, Takashi: *See*—
  - Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
- Tokuyama, Yoshio, to Victor Company of Japan Ltd. Control pulse recording circuit for dual tape speed recording and reproducing apparatuses using two pairs of heads selectively for selected speed including recording delayed control pulses. 4,796,103, 1-3-89, Cl. 360-10.300.
- Tokuzo, Kobayashi, to O M Kiki Co., Ltd. Free access floor panel. 4,856,256, 8-15-89, Cl. 52-805.000.
- Tokyo Aircraft Instrument Co., Ltd.: *See*—
  - Nakamura, Shuji, 4,890,103, Cl. 340-968.000.
- Tokyo Automatic Machinery Works Ltd.: *See*—
  - Honda, Sumio; Ogata, Taizo; and Etani, Tadao, 4,876,839, Cl. 53-137.000.
  - Kumata, Katsuhiko; Endo, Isao; and Nishikimoto, Taro, 4,821,746, Cl. 131-282.000.
  - Muto, Yoshiyuki; Sakakibara, Kouzou; Iwata, Yasuo; and Chiba, Shigesaburo, 4,848,091, Cl. 242-58.100.
  - Ogata, Taizo; Takahashi, Toyoharu; and Koshiba, Kenji, 4,878,912, Cl. 156-361.000.
  - Shigeta, Toshio; Muto, Yoshiyuki; and Etani, Tadao, 4,840,320, Cl. 242-58.000.
- Tokyo Boeki Ltd.: *See*—
  - Yakuyama, Takashi; and Ueda, Toshiaki, 4,882,527, Cl. 318-568.130.
- Tokyo Bosai Setsubi Company, Limited: *See*—
  - Akatsu, Yukio, 4,838,356, Cl. 169-66.000.
- Tokyo Communication Equipment Co., Ltd.: *See*—
  - Endoh, Satoru; and Katsuga, Ohnishi, 4,845,313, Cl. 174-68.500.
- Tokyo Contact Lens Research Institute: *See*—
  - Koetsu, Isao; Kumakura, Minoru; Suyama, Hidenari; Kameda, Nobuo; and Koyama, Hideo, 4,839,109, Cl. 264-1.400.
- Tokyo Denshi Yakin Co., Ltd.: *See*—
  - Honda, Hideyuki; Kawasaki, Koichi; and Sato, Hiroshi, 4,856,330, Cl. 73-204.250.
- Tokyo Electric Co., Ltd.: *See*—
  - Futakata, Takashi, 4,852,676, Cl. 177-245.000.
  - Horiya, Keiichi, 4,809,066, Cl. 358-293.000.
  - Imai, Minoru, 4,804,283, Cl. 400-234.000.
  - Izawa, Shoji; Fujihira, Hiroshi; and Yasui, Yoshiaki, 4,829,559, Cl. 379-96.000.
  - Karasawa, Hideo; and Minakuchi, Yuzo, 4,870,577, Cl. 364-405.000.
  - Kimura, Tutomu, 4,813,797, Cl. 400-124.000.
  - Kitagawa, Tohru, 4,796,212, Cl. 364-571.030.
  - Kitagawa, Tohru; and Nishiyama, Yoshihisa, 4,821,822, Cl. 177-211.000.
  - Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, 4,835,619, Cl. 358-294.000.
  - Kobori, Masao; Takita, Norio; and Fukushima, Hideaki, 4,866,511, Cl. 358-256.000.
  - Kurimoto, Yukuo; and Endo, Takayoshi, 4,879,650, Cl. 364-405.000.
  - Matsumoto, Yasuo; Shrader, Eric J.; and Cohn, Patricia O., 4,825,229, Cl. 346-1.100.
  - Matsumoto, Yasuo; Murakami, Kazunori; Ikomi, Tomonori; and Iwafune, Yasuo, 4,875,748, Cl. 350-6.800.
  - Matsushita, Tsuyoshi, 4,849,944, Cl. 371-21.000.
  - Mine, Kazunori; Murakami, Keisuke; Tago, Mamoru; and Urata, Hiromasa, 4,839,514, Cl. 250-237.00R.
  - Mine, Kazunori; Murakami, Keisuke; and Urata, Hiromasa, 4,882,631, Cl. 358-471.000.
  - Morofushi, Yoshikazu, 4,866,256, Cl. 235-433.000.
  - Murakoso, Toshiyuki; Sato, Shuichi; and Yagi, Motoi, 4,856,003, Cl. 177-210.00C.
  - Nishida, Manabu, 4,878,771, Cl. 400-70.000.
  - Nishikawa, Hisashi; Endo, Mitsuharu; and Shimosato, Masashi, 4,801,952, Cl. 346-140.00R.
  - Nishikawa, Hisashi; and Endo, Mitsuharu, 4,806,956, Cl. 346-140.00R.

Nishikawa, Hisashi; Endo, Mitsuharu; Shimosato, Masashi; and Terao, Yasunobu, 4,868,585, Cl. 346-140.00R.
Oba, Ryozo, 4,815,878, Cl. 400-616.300.
Oda, Akira, 4,834,564, Cl. 400-121.000.
Ogawa, Minoru; Sakamoto, Koichiro; Tamura, Toshiyuki; and Katsuumi, Kazushige, 4,827,146, Cl. 250-578.000.
Ohtaka, Yoshimitsu, 4,821,999, Cl. 251-129.020.
Ohtaka, Yoshimitsu, 4,864,325, Cl. 346-75.000.
Ohtaka, Yoshimitsu, 4,885,830, Cl. 29-157.00C.
Osaka, Norihisa, 4,801,788, Cl. 235-462.000.
Saguchi, Shingo, 4,804,824, Cl. 235-7.00R.
Saito, Kiyoshi; Yamamoto, Yoshiro; and Sakuragi, Takeo, 4,838,383, Cl. 186-59.000.
Sakamoto, Takao, 4,808,901, Cl. 318-687.000.
Sekioka, Kunikazu, 4,836,309, Cl. 177-25.150.
Shimosato, Masashi, 4,864,327, Cl. 346-140.00R.
Tajima, Noriyasu; Michio, Suzuki; and Mihara, Hidemi, 4,888,700, Cl. 364-466.000.
Tsuyuki, Shinzi, 4,812,061, Cl. 400-124.000.
Uchiyama, Masahiro, 4,845,570, Cl. 358-496.000.
Uchiyama, Masahiro, 4,872,061, Cl. 358-400.000.
Uematsu, Kaoru, 4,862,194, Cl. 346-76.0PH.
Tokyo Electric Power Co., Inc., The: *See*—
Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.
Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.
Katsuwe, Masahiro; Abe, Michiyuki; Kawahara, Katsuyuki; and Nakamura, Taizo, 4,856,965, Cl. 417-19.000.
Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,831,383, Cl. 342-22.000.
Okabe, Yoshimi; and Kikuchi, Katsumi, 4,856,353, Cl. 73-865.800.
Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
Tokyo Electric Power Co., Ltd., The: *See*—
Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.
Tokyo Electron Limited: *See*—
Hayakawa, Yuji; and Uchida, Takuo, 4,884,026, Cl. 324-158.00F.
Imahashi, Issei, 4,873,447, Cl. 250-492.200.
Kagami, Toshihiko; Kobayashi, Kazuyoshi; Asakawa, Eiji; Osada, Atushi; Hara, Kozo; and Abe, Yasuji, 4,859,993, Cl. 340-674.000.
Karasawa, Wataru, 4,812,901, Cl. 358-101.000.
Matsuoka, Fuminori, 4,855,775, Cl. 354-325.000.
Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.
Sugie, Kazuo; Sainen, Yoshimasa; Kimura, Yuji; and Nishiyama, Tadashi, 4,866,782, Cl. 382-22.000.
Terada, Michimasa; and Nakajima, Hisashi, 4,875,005, Cl. 324-158.00F.
Tokyo Gas Co., Ltd.: *See*—
Aoyama, Kazuo; Murata, Yukitaka; Hattori, Kiyoshi; Okamoto, Akio; Takahashi, Kiyoshi; Sasaki, Takashi; and Hanari, Shigeko, 4,817,707, Cl. 165-46.000.
Fujimoto, Tatsuo; and Ohya, Tsutomu, 4,839,790, Cl. 364-184.000.
Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, 4,883,557, Cl. 156-287.000.
Tokyo Gas Kabushiki Kaisha: *See*—
Higuchi, Kumao; Morinaga, Akio; Seshimo, Masahiro; and Saito, Hitoshi, 4,877,665, Cl. 428-36.100.
Zenbayashi, Katsuaki; Otsuga, Hisao; Morinaga, Akio; Toyoshima, Osamu; and Shimokawa, Shinji, 4,882,470, Cl. 219-523.000.
Tokyo Institute of Technology: *See*—
Hashimoto, Takasu, 4,829,770, Cl. 62-3.100.
Tokyo Juki Industrial Co., Ltd.: *See*—
Hiramatsu, Tohru; Tami, Kazuya; and Ohchi, Torao, 4,848,255, Cl. 112-147.000.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,821,658, Cl. 112-114.000.
Hiramatsu, Tooru; and Tobita, Shigeru, 4,870,918, Cl. 112-265.200.
Miyake, Tomohisa; Kataigi, Tsutomu; and Shinozuka, Toshinobu, 4,863,295, Cl. 400-54.000.
Ohchi, Torao, 4,848,256, Cl. 112-235.000.
Ozawa, Masato, 4,858,541, Cl. 112-121.110.
Satake, Atsushi; and Hirose, Hajime, 4,887,922, Cl. 400-637.000.
Shibuya, Tsuyoshi, 4,855,633, Cl. 310-328.000.
Taguchi, Katsuhiko; Imamiya, Yoshimi; Takegawa, Yuji; Kuroda, Kiyoshi; and Arashi, Sotonari, 4,848,606, Cl. 222-333.000.
Yokoyama, Taishi; Takahashi, Isao; and Sato, Masahiko, 4,817,546, Cl. 112-262.100.
Tokyo Keiki Co., Ltd.: *See*—
Hojo, Takeshi; Yamamoto, Kanshi; Morohoshi, Mikio; and Hame, Fuyuki, 4,831,544, Cl. 364-453.000.
Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.
Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,989, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,841,990, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,860,770, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,873,995, Cl. 128-804.000.
Kikuchi, Makoto; Mori, Shinsaku; Nikawa, Yoshio; and Terakawa, Takashige, 4,884,580, Cl. 128-804.000.
Miyayama, Toshio; Masuzawa, Isao; and Hirono, Nakayasu, 4,855,739, Cl. 340-984.000.
Okada, Kozo, 4,800,388, Cl. 342-194.000.
Takeuchi, Kunihiko; and Nogi, Hiroshi, 4,809,426, Cl. 29-568.000.
Takeuchi, Kunihiko; and Oba, Masao, 4,821,198, Cl. 364-468.00
Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasu, 4,833,593, Cl. 364-191.000.
Takeuchi, Kunihiko; Baba, Fujio; and Shimomura, Yasu, 4,855,729, Cl. 340-825.050.
Takeuchi, Kunihiko; Oba, Masao; and Horinouchi, Shinich, 4,855,994, Cl. 370-69.100.
Takeuchi, Kunihiko; Oba, Masao; and Horincuchi, Shinich, 4,856,177, Cl. 29-568.000.
Takeuchi, Kunihiko; Hayashi, Kiyoshi; and Shimomura, Yasu, 4,858,103, Cl. 364-174.000.
Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinich, 4,858,133, Cl. 364-424.040.
Takeuchi, Kunihiko; Ikeda, Hajime; and Horinouchi, Shinich, 4,866,616, Cl. 364-424.040.
Takeuchi, Kunihiko; Akita, Yoshisuke; and Hayakawa, Osamu, 4,886,422, Cl. 417-20.000.
Terakawa, Takashige; Takahashi, Mutsumi; and Akaba, Noriyuk, 4,829,312, Cl. 343-756.000.
Terakawa, Takashige; Takahashi, Mutsumi; and akaba, Noriyuk, 4,841,308, Cl. 343-771.000.
Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayosh, 4,857,869, Cl. 333-26.000.
Terakawa, Takashige; Akaba, Noriyuki; and Hattori, Sadayosh, 4,868,520, Cl. 330-295.000.
Tokyo Kikai Seisakusho, Ltd.: *See*—
Ohno, Kinichiro; and Kawata, Tomoshi, 4,803,634, Cl. 364-478.00
Ohno, Kinichiro; and Kawabata, Mitsuru, 4,807,263, Cl. 377-8.00
Tokyo Kogaku Kikai Kabushiki Kaisha: *See*—
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, 4,796,9 Cl. 351-212.000.
Fukuma, Yasufumi; Oana, Yoshinori; and Arai, Akihiro, 4,810,0 Cl. 351-212.000.
Fukuma, Yasufumi; and Arai, Akihiro, 4,828,385, Cl. 356-125.00
Fukuma, Yasufumi; Kitao, Ikuo; and Kato, Yasuo, 4,859,051, C 351-211.000.
Hideshima, Masayuki, 4,799,489, Cl. 128-648.000.
Hori, Nobuo, 4,821,273, Cl. 372-31.000.
Kato, Yasuo; Horiguchi, Kiwami; Wada, Shinji; and Kitao, Iku 4,848,895, Cl. 351-211.000.
Katsuhiko, Kobayashi; Takashi, Shiraiz; and Hideo, Tagi 4,804,262, Cl. 351-226.000.
Katsuragi, Kenjiro; Kobayashi, Katsuhiko; and Tori, Yoshitaka 4,817,620, Cl. 128-648.000.
Kobayashi, Katsuhiko, 4,834,527, Cl. 351-208.000.
Kobayashi, Katsuhiko; and Takahashi, Susumu, 4,848,896, C 351-243.000.
Matsui, Mizuo; Ohtomo, Fumio; Sato, Koji; and Takahashi, Yoshihiro, 4,820,264, Cl. 604-21.000.
Murai, Shunji; Othomo, Fumio; and Otani, Hitoshi, 4,834,530, C 356-2.000.
Murai, Shunji; Ohtomo, Fumio; and Ohtani, Hitoshi, 4,858,157, C 364-560.000.
Nishio, Kouji; and Hanamura, Yoshihiko, 4,872,460, C 128-648.000.
Nunokawa, Kazuo, 4,834,526, Cl. 351-206.000.
Nunokawa, Kazuo, 4,838,680, Cl. 351-206.000.
Nyui, Masaru, 4,810,084, Cl. 351-206.000.
Ohtomo, Fumio; and Otani, Hitoshi, 4,803,645, Cl. 364-560.00
Okada, Kohichi; and Takagi, Kazutoshi, 4,810,083, Cl. 351-205.00
Onone, Jun; Takagi, Kazutoshi; and Adachi, Fukuichi, 4,855,67 Cl. 362-32.000.
Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa Kazuo; and Hideshima, Masayuki, 4,854,691, Cl. 351-221.00
Tabata, Mitsuo; Tojo, Toru; and Shimozono, Hiroaki, 4,811,0 Cl. 356-152.000.
Takagi, Kazutoshi, 4,818,068, Cl. 350-272.000.
Tamura, Masafumi; Ichikawa, Ken-ichi; and Kageyama, Satosh 4,852,184, Cl. 382-48.000.
Tojo, Toru; Tabata, Mitsuo; and Yoshino, Hisakazu, 4,808,002, C 356-401.000.
Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama Masayuki; and Shimozono, Hiroaki, 4,838,693, Cl. 356-356.00
Uchida, Norio; Ishibashi, Yoriyuki; and Masuyama, Masayuk 4,848,911, Cl. 356-356.000.
Yokokura, Takashi; Gemma, Takashi; and Satoh, Takuji, 4,812,0 Cl. 356-348.000.
Yokokura, Takashi; Gemma, Takashi; and Takuji, Satoh, 4,866,97 Cl. 356-347.000.
Tokyo Kokyu Rozai Co., Ltd.: *See*—
Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.

Tokyo Koshumosu Denki Kabushiki Kaisha: *See*—
Miwa, Hirohide, 4,885,764, Cl. 379-70.000.
Tokyo Magnetic Printing Company Ltd.: *See*—
Namikawa, Mamoru; Makino, Yoshiaki; Himori, Hiroaki; Kagai, Genichi; and Kamio, Hiroshi, 4,849,618, Cl. 235-493.000.
Tokyo Metal Co., Ltd.: *See*—
Koyama, Mamoru, 4,882,237, Cl. 428-699.000.
Tokyo Metropolitan Institute for Neurosciences: *See*—
Yoshioka, Masanori; Hou, Hidemitsu; and Kawai, Nobufumi, 4,855,405, Cl. 530-300.000.
Tokyo Nagai Co., Ltd.: *See*—
Nagai, Yoshihiro, 4,887,845, Cl. 283-81.000.
Tokyo Ohka Kogyo Co., Ltd.: *See*—
Asaumi, Shingo; Kohara, Hidekatsu; Tanaka, Hatsuyuki; and Nakayama, Toshimasa, 4,804,612, Cl. 430-192.000.
Ishikawa, Tsutomu; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,835,017, Cl. 427-379.000.
Kashiwagi, Eichi; Nakayama, Muneo; Hashimoto, Akira; and Nishimura, Toshihiro, 4,865,649, Cl. 106-287.160.
Kobayashi, Masakazu; Asaumi, Shingo; and Tanaka, Hatsuyuki, 4,824,762, Cl. 430-258.000.
Kobayashi, Masakazu; Asaumi, Shingo; Yokota, Akira; and Nakane, Hisashi, 4,844,832, Cl. 252-143.000.
Kohara, Hidekatsu; Tokutake, Nobuo; Miyabe, Masanori; Nakayama, Toshimasa; Asaumi, Shingo; Tanaka, Hatsuyuki; and Arai, Yoshiaki, 4,882,260, Cl. 430-191.000.
Komano, Hiroshi, 4,847,173, Cl. 430-191.000.
Nakamura, Yoichi; Yamamoto, Shirushi; Komine, Takashi; Yokota, Akira; and Nakane, Hisashi, 4,797,348, Cl. 430-326.000.
Nakayama, Muneo, 4,867,345, Cl. 222-108.000.
Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eichi, 4,868,096, Cl. 430-329.000.
Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.
Tanaka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,873,177, Cl. 430-326.000.
Tanka, Hatsuyuki; Sato, Yoshiyuki; Kohara, Hidekatsu; and Nakayama, Toshimasa, 4,820,621, Cl. 430-331.000.
Tokyo Organic Chemical Industries, Ltd.: *See*—
Agui, Wataru; Tamura, Shuji; Kuyama, Hiroshi; Kurachi, Yoshiya; Abe, Masahiko; Kaneko, Yukihiro; and Ogino, Keizo, 4,883,596, Cl. 210-638.000.
Tokyo Pigeon Co., Ltd.: *See*—
Kamijo, Masao, 4,819,891, Cl. 242-201.000.
Tokyo Seikan Kaisha, Ltd.: *See*—
Yamada, Morio; and Kimura, Yoshihiko, 4,880,041, Cl. 141-167.000.
Tokyo Seimitsu Co., Ltd.: *See*—
Honda, Katsuo; Sawafuji, Susumu; and Tomita, Tomio, 4,838,238, Cl. 125-15.000.
Honda, Katsuo; and Sawafuji, Susumu, 4,852,304, Cl. 51-5.00C.
Tokyo Sen-I Kogyo Co., Ltd.: *See*—
Matsumoto, Seiichi, 4,870,535, Cl. 361-215.000.
Onai, Kozo, 4,889,963, Cl. 174-129.00R.
Tokyo Shibaura Denki Kabushiki Kaisha: *See*—
Abe, Masahiro; Aoyama, Masaharu; Ohshima, Jiro; and Ajima, Takashi, 4,853,760, Cl. 357-52.000.
Ando, Hideo, 4,835,762, Cl. 369-272.000.
Baba, Isao; Kondo, Takeo; Yanagisawa, Leiichi; and Kohguchi, Kenji, 4,872,045, Cl. 357-13.000.
Bernardi, Richard T., 4,798,540, Cl. 439-22.000.
Bernardi, Richard T., 4,799,245, Cl. 378-15.000.
Egawa, Hideharu; and Suzuki, Yasoji, 4,883,986, Cl. 307-298.000.
Iida, Tetsuya, 4,845,383, Cl. 307-355.000.
Ishii, Takatoshi, 4,823,119, Cl. 340-703.000.
Ishii, Takatoshi; and Takahashi, Syuku., 4,849,931, Cl. 364-900.000.
Ishii, Takatoshi, 4,870,491, Cl. 358-160.000.
Komatsu, Shigeru; and Inoue, Hiroshi, 4,888,306, Cl. 437-162.000.
Kurwla, Tadashi; and Ueda, Shoji, 4,835,682, Cl. 364-200.000.
Masuoka, Fujio, 4,803,529, Cl. 357-23.500.
Mizunoya, Nobuyuki; Kohama, Hajime; and Sugiura, Yasuyuki, 4,849,292, Cl. 428-433.000.
Nawata, Yoshiaki, 4,817,876, Cl. 355-14.00R.
Oda, Goro; and Ishida, Haruhiko, 4,843,424, Cl. 355-268.000.
Okayama, Yukihiro; Matsumoto, Tadashi; and Yoshioka, Akio, 4,809,415, Cl. 29-157.3AH.
Sagoi, Masayuki; and Nishikawa, Reiji, 4,801,481, Cl. 428-64.000.
Shibata, Tadashi, 4,830,971, Cl. 437-29.000.
Takada, Keisuke; and Mizutani, Masamichi, 4,823,254, Cl. 364-188.000.
Takase, Hidetomo, 4,849,886, Cl. 364-413.130.
Takeoka, Yoshikatsu; Yasuda, Nobuaki; Hori, Akio; and Ozawa, Norio, 4,845,000, Cl. 430-14.000.
Takenako, Sumiyoshi, 4,830,742, Cl. 209-534.000.
Tokumitsu, Shigenori, 4,845,662, Cl. 364-900.000.
Uchida, Yukimasa, 4,814,853, Cl. 357-51.000.
Watanabe, Fumio, 4,820,634, Cl. 435-7.000.
Yamazaki, Isamu, 4,823,258, Cl. 364-200.000.
Yanagi, Hisao, 4,799,040, Cl. 341-101.000.
Tokyo Shibayra Denki Kabushiki Kaisha: *See*—
Kai, Hajime; and Ochii, Kiyofumi, 4,813,021, Cl. 365-194.000.
Tokyo Tanabe Company, Limited: *See*—
Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,798,832, Cl. 514-258.000.
Matsuishi, Naoto; Takeda, Haruki; Izumi, Kenichi; Murakami, Kiyokazu; and Hisamitsu, Akira, 4,808,596, Cl. 514-307.000.
Matsuishi, Naoto; Nakagawa, Yoshio; Amano, Michiaki; Kakehi, Norihiko; Kawashima, Toshio; and Omura, Shigeki, 4,816,459, Cl. 514-258.000.
Tokyo Tatsuno Co., Ltd.: *See*—
Motohashi, Toshiaki; and Saito, Yasushi, 4,796,678, Cl. 141-206.000.
Shimamura, Norio; and Sudo, Taiji, 4,833,310, Cl. 235-479.000.
Shimamura, Norio; and Sudo, Taiji, 4,835,375, Cl. 235-479.000.
Tatsuno, Hiyoshi, 4,870,604, Cl. 364-708.000.
Tokyu Car Corporation: *See*—
Kokubo, Hiroshi; and Tsuboi, Kinji, 4,883,949, Cl. 235-449.000.
Tol, John M.; and Matt, Anthony F., to Raytheon Company. Raster display system. 4,829,308, 5-9-89, Cl. 342-195.000.
Tol-O-Matic, Inc.: *See*—
Lieberman, Walter G., 4,817,504, Cl. 92-125.000.
Rosengren, Gary W., 4,852,465, Cl. 92-88.000.
Vaughn, Jerry E., 4,813,341, Cl. 92-88.000.
Tol, Simon J. M.: *See*—
Wouda, Kornelis J.; and Tol, Simon J. M., 4,817,081, Cl. 370-321.000.
Tolan, Peter: *See*—
Steele, Donald F.; Hoagland, Lawrence C.; Kyricos, Christopher; and Tolan, Peter, 4,875,520, Cl. 165-10.000.
Tolan, Peter J.; and Baird, William E. Method and apparatus for measuring the change in volume with change in temperature of liquid in tanks. 4,811,601, 3-14-89, Cl. 73-29.00B.
Tolan, Peter J. Air blast generator. 4,880,147, 11-14-89, Cl. 222-195.000.
Tolan, Peter J.: *See*—
Baird, William E.; and Tolan, Peter J., 4,848,150, Cl. 73-296.000.
Toland, J. William. Golf ball and method of making the same. 4,805,914, 2-21-89, Cl. 273-231.000.
Tolbert, William R.: *See*—
Feder, Joseph; Tolbert, William R.; Rademacher, Thomas W.; Parekh, Raj B.; and Dwek, Raymond A., 4,851,517, Cl. 536-1.100.
Toldy, Lajos: *See*—
Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.
Toledo-Flores, Luis J.; and Zall, Robert R., to Cornell Research Foundation, Inc. Process for preservation of fish. 4,832,972, 5-23-89, Cl. 426-327.000.
Toledo, George: *See*—
Betts, John E.; and Toledo, George, 4,859,988, Cl. 49-141.000.
Toledo Scale Corporation: *See*—
Dillon, Benny N.; Griffen, Neil C.; and Weihs, Mark E., 4,815,547, Cl. 177-25.140.
Griffen, Neil C., 4,799,558, Cl. 177-5.140.
Griffen, Neil C., 4,804,052, Cl. 177-25.140.
Toledo Stamping & Manufacturing Company: *See*—
Patel, Ramanlal L.; Chew, Meng-Sang; Marsh, Richard A.; Rosenberg, Richard C.; and Thomas, Henry, Jr., 4,799,464, Cl. 123-90.410.
Tolerant Systems, Inc.: *See*—
Shipley, Dale L.; Arnett, Jean D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Mary; and Yamada, David H., 4,819,159, Cl. 364-200.000.
Toles Group, The: *See*—
Leszczynski, Tomasz, 4,833,627, Cl. 364-523.000.
Tolfree, Roger K.: *See*—
West, Barry G.; Sosin, Boleslaw M.; and Tolfree, Roger K., 4,862,453, Cl. 370-82.000.
West, Barry G.; Sosin, Boleslaw M.; and Tolfree, Roger K., 4,866,709, Cl. 370-82.000.
Tolin, Bruce G., to Toltran, Ltd. Method of using a created international language as an intermediate pathway in translation between two national languages. 4,864,503, 9-5-89, Cl. 364-419.000.
Tolino, Ralph W., to Westinghouse Electric Corp. Screw installation plate for use in a fuel assembly repair and reconstitution system. 4,819,524, 4-11-89, Cl. 81-488.000.
Toliusis, Vytautas J., to Humphrey Products Company. Single-stem four-way valve. 4,823,842, 4-25-89, Cl. 137-625.650.
Toliver, Samuel: *See*—
Roberts, Gerald E.; Toliver, Samuel; and Crescenzi, Robert J., 4,833,430, Cl. 333-191.000.
Roberts, Gerald E.; Staples, A. Gordon; and Toliver, Samuel, 4,839,618, Cl. 333-191.000.
Tolkacz, Joseph M.: *See*—
Brand, Gary J.; Poirier, David C.; Jarzyna, Peter; Haraf, John C.; Tolkacz, Joseph M.; Simon, Robert C., Jr.; Phillips, Dale L.; Mamolen, Richard C.; Stephens, George T.; and Marsh, Richard A., 4,828,082, Cl. 192-3.300.
Tolkoff, Marc J.: *See*—
Mohl, Werner; and Tolkoff, Marc J., 4,887,608, Cl. 128-673.000.
Tolkoff, Mark J.: *See*—
Herms, James K.; Nolan, Gaillard R.; McGrath, Jonathan; and Tolkoff, Mark J., 4,817,600, Cl. 128-303.00R.

- Tolksdorf, Wolfgang F. M.: *See—*
  - Dammann, Hans O. B.; Pross, Elke B., Rabe, Gert; Tolksdorf, Wolfgang F. M.; and Zinke, Manfred B., 4,798,434, Cl. 350-96.110.
- Tollaksen, Sandra L.: *See—*
  - Zhang, Jian-Shi; Giometti, Carol S.; and Tollaksen, Sandra L., 4,824,547, Cl. 204-299.00R.
- Tolle, Arnold; Forster, Manfred; Haacker, Heinz; and Wensing, Helmut, to Deutsche Babcock Werke Aktiengesellschaft; and Man Gutehoffnungshutte GmbH. Arrangement for cooling a synthetic gas in a quenching cooler. 4,848,982, 7-18-89, Cl. 48-69.000.
- Tolle, Glen C., to Mobil Oil Corporation. Method for improving drill cuttings transport from a wellbore. 4,844,182, 7-4-89, Cl. 175-215.000.
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  - Bartholomew, Wesley E.; and Tolle, Michael C., 4,885,662, Cl. 361-386.000.
- Tolledi, Bruno: *See—*
  - White, Jeffrey A.; Tolledi, Bruno; Ringer, T. Rayman; and Arkuszewski, Andrzej, 4,842,018, Cl. 137-614.110.
- Tollefson, Dale T., to Minnesota Mining and Manufacturing Company. Slack limiter for a magnetic tape cassette. 4,813,628, 3-21-89, Cl. 242-199.000.
- Tolles, Edward D., to Westvaco Corporation. Method and apparatus for removing hydrogen cyanide, cyanogen and cyanogen chloride from air. 4,801,311, 1-31-89, Cl. 55-71.000.
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- Tolleson, Thomas H.; Saul, Gregory M.; and Ware, R. Duane, to Shelby Williams Industries, Inc. Flexible backrest assembly for a chair. 4,869,552, 9-26-89, Cl. 297-296.000.
- Tolley, William K.; and Whitehead, Alton B., to United States of America, Interior. Supercritical fluid metal halide separation process. 4,853,205, 8-1-89, Cl. 423-472.000.
- Tolli, Frederick J. Thumb holster. 4,807,788, 2-28-89, Cl. 224-197.000.
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  - Muller, Jean F.; Tollitte, Francois G.; Krier, Gabriel; Dominiak, Serge; Eberhardt, Andre; and Berveiller, Marcel, 4,879,467, Cl. 250-288.000.
- Tollowski, Gunter: *See—*
  - Melzer, Rudolf; and Tollowski, Gunter, 4,869,603, Cl. 384-255.000.
- Tolman, Charles H.: *See—*
  - Mowry, Greogory S.; Mitchell, Terry B., Tolman, Charles H.; and George, Peter K., 4,821,133, Cl. 360-113.000.
- Tolman, Richard L.; and Ashton, Wallace T., to Merck & Co., Inc. 1-(2-hydroxymethyl)cycloalkylmethyl)-5-substituted uracils. 4,863,927, 9-5-89, Cl. 514-274.000.
- Tolman, Richard L., Wagner, Arthur F.; Baldwin, John J.; and Pietruszkiewicz, Adolph, to Merck & Co., Inc. 7,8-dihydro-4-(1-pierazinyl)-6H-thiopyrano-[3,2-d] pyrimidines as β-blockers. 4,889,856, 12-26-89, Cl. 514-254.000.
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  - Ashton, Wallace T.; Field, Arthur K.; Karkas, John D.; and Tolman, Richard L., 4,816,447, Cl. 514-81.000.
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  - Ashton, Wallace T.; Canning, Laura F.; Field, Arthur K.; and Tolman, Richard L., 4,880,820, Cl. 514-322.000.
  - Baldwin, John J.; Tolman, Richard L., and Wu, Mu T., 4,871,739, Cl. 514-254.000.
  - Bochis, Richard J.; Tolman, Richard L., and Harris, Elbert, 4,816,469, Cl. 514-359.000.
  - Colonno, Richard; Garsky, Victor M.; Hannah, John; Stein, Robert B.; and Tolman, Richard L., 4,845,195, Cl. 530-330.000.
  - Coss, Malcolm M.; and Tolman, Richard L., 4,876,256, Cl. 514-252.000.
  - Freidinger, Roger; Hannah, John; Garsky, Victor M.; Stein, Robert B.; and Tolman, Richard L., 4,814,432, Cl. 530-329.000.
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  - MacCoss, Malcolm; Tolman, Richard L.; Wagner, Arthur F.; and Hannah, John, 4,801,710, Cl. 544-244.000.
  - Marburg, Stephen; Tolman, Richard L.; and Jorn, Deborah A., 4,830,852, Cl. 424-85.800.
  - Marburg, Stephen; Kniskern, Peter J.; and Tolman, Richard L., 4,882,317, Cl. 514-54.000.
- Tolmie, Robert J., Jr., to Pitney Bowes Inc. Driver circuitry for multiple sensors. 4,886,976, 12-12-89, Cl. 250-578.000.
- Tolmunen, Arvi: *See—*
  - Aalto, Erkki; Korhonen, Kaarlo; Pekkinen, Jorma; Sundberg, Esa; Tolmunen, Arvi; Vartiainen, Seppo; and Villikka, Reijo, 4,811,724, Cl. 126-299.00D.
- Tolner, Betty J.: *See—*
  - Tolner, Raymond C.; and Tolner, Betty J., 4,858,368, Cl. 43-42.360.
- Tolner, Harm, to U.S. Philips Corporation. Electron beam apparatus comprising an anode which is included in the cathode/Wehnelt unit. 4,798,957, 1-17-89, Cl. 250-396.00R.
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  - Van Gorkom, Gerardus G. P.; Hoeberechts, Arthur M. E.; Van Der Mast, Karel D.; and Tolner, Harm, 4,871,911, Cl. 250-310.000.
- Tolner, Raymond C.; and Tolner, Betty J. Fishing lure. 4,858,368, 8-22-89, Cl. 43-42.360.
- Tolomay, James E. Ice fishing shelter. 4,796,649, 1-10-89, Cl. 135-102.000.
- Tolonen, Seppo T.: *See—*
  - Koistinen, Pauli A. T.; and Tolonen, Seppo T., 4,817,856, Cl. 228-176.000.
- Tolsch, Donald E.: *See—*
  - Hull, Richard W.; Tolsch, Donald E., and Wang, James H. P., 4,808,884, Cl. 375-120.000.
- Tolson, Michael T.: *See—*
  - Smith, Richard B.; and Tolson, Michael T., 4,799,251, Cl. 379-1.000.
- Tolson, Sidney S.; and Brumberg, Charles S., to Ossid Corporation. Machine packaging tray. 4,856,704, 8-15-89, Cl. 229-2.50R.
- Tolstokorova, Lidia E.: *See—*
  - Dyadechko, Vladimir N.; Nesterov, Ivan I.; Tolstokorova, Lidia E.; and Platonova, Svetlana V., 4,822,490, Cl. 210-611.000.
- Tolstopyatov, Konstantin S.: *See—*
  - Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
- Toltran, Ltd.: *See—*
  - Tolin, Bruce G., 4,864,503, Cl. 364-419.000.
- Toltzman, Randall R. Flower package apparatus. 4,863,015, 9-5-89, Cl. 206-45.140.
- Toltzman, Randall R., to Miller, John B. Dual flush system for toilets. 4,864,665, 9-12-89, Cl. 4-325.000.
- Tom, Edward: *See—*
  - Gastgeb, Raymond F.; and Tom, Edward, 4,870,868, Cl. 73-649.000.
- Tom, Gary E.; Breech, William K.; and Armstrong, C. Peter, to Data Switch Corporation. Bus and tag cable monitoring tap. 4,829,244, 5-9-89, Cl. 324-158.00F.
- Tom, Glenn M.; and Brown, Duncan W., to Advanced Technology Materials Inc. Process and composition for purifying hydrogen selenide and hydrogen telluride, to remove moisture and oxidant impurities therefrom. 4,797,227, 1-10-89, Cl. 252-194.000.
- Tom, Glenn M.; and Brown, Duncan W., to Advanced Technology Materials, Inc. Process and composition for drying of gaseous hydrogen halides. 4,853,148, 8-1-89, Cl. 252-194.000.
- Tom, Glenn M.; and Brown, Duncan W., to Advanced Technology Materials, Inc. Process for purifying hydrogen selenide and hydrogen telluride, to remove moisture and oxidant impurities therefrom. 4,865,822, 9-12-89, Cl. 423-210.000.
- Tom, Glenn M., to Hercules Incorporated. Water scavengers for hydrochloric acid streams. 4,867,960, 9-19-89, Cl. 423-488.000.
- Toma, Daniel N.; and Mitchell, Thomas P., to General Electric Company. Fabric dryer support structure. 4,817,297, 4-4-89, Cl. 34-133.000.
- Toma, Daniel N., to General Electric Company. Fabric dryer with improved blower assembly. 4,817,298, 4-4-89, Cl. 34-133.000.
- Toma, John W.; and Owens, N. Douglas, to Modernfold, Inc. Track and trolley with dual drive wheels having annular track engaging surfaces of different diameters. 4,837,891, 6-13-89, Cl. 16-87.40R.
- Toma, Ken; Asano, Masami; Takahashi, Noriaki; Takeuchi, Shoji; and Takeuchi, Yo, to Mitsubishi Aluminum Kabushiki Kaisha. Aluminum alloy sheet excellent in high-temperature sagging resistance and sacrificial anode property and having high room-temperature strength. 4,828,936, 5-9-89, Cl. 428-650.000.
- Toma, Ken: *See—*
  - Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,861,681, Cl. 428-654.000.
  - Kudo, Hajime; Asano, Masami; Toma, Ken; and Takeuchi, Yo, 4,842,185, Cl. 228-183.000.
- Toma, Shinobu: *See—*
  - Kubo, Kiichirou; Kanazaki, Mikio; and Toma, Shinobu, 4,826,297, Cl. 350-339.00R.
- Tomabechi, Hideo: *See—*
  - Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.
- Tomagou, Satoshi: *See—*
  - Inoue, Hiroshi; Kato, Toshikazu; Tomagou, Satoshi; and Emura, Noriaki, 4,840,986, Cl. 524-436.000.
  - Kato, Toshikazu; Inoue, Hiroshi; Tomagou, Satoshi; and Emura, Noriaki, 4,868,275, Cl. 528-212.000.
- Tomaka, Jan Z., to Alcan International Limited. Side sill arrangement for a gondola-type railroad car. 4,800,820, 1-31-89, Cl. 105-406.100.
- Tomaka, Jan Z., to Alcan International Limited. Top chord for open top hopper cars. 4,840,127, 6-20-89, Cl. 105-406.100.
- Tomala, Ambrose, to Allied-Signal Inc. Pressure activated isolation valve. 4,824,181, 4-25-89, Cl. 303-84.200.
- Tomalia, Donald A.; and Stahlbush, James R., to Dow Chemical Company, The. Modified dense star polymers. 4,857,599, 8-15-89, Cl. 525-259.000.
- Tomalia, Donald A.: *See—*
  - Killat, George R.; and Tomalia, Donald A., 4,871,779, Cl. 521-28.000.
- Toman, Donald, to Loral Corp. Towed decoy with fiber optic link. 4,808,999, 2-28-89, Cl. 342-15.000.
- Toman, Perry A., to Glidden Company, The. High solids coatings with reactive diluent. 4,812,523, 3-14-89, Cl. 525-162.000.
- Toman, Perry A., to Glidden Company, The. High solids coatings with reactive epoxy ester diluent. 4,877,838, 10-31-89, Cl. 525-107.000.
- Tomann, Mark M.: *See—*
  - Anderson, Dean H.; and Tomann, Mark M., 4,875,052, Cl. 343-882.000.
- Tomar Electronics, Inc.: *See—*
  - Nagel, Robert I., 4,870,551, Cl. 362-263.000.
  - Sikora, Scott T., 4,800,323, Cl. 315-219.000.
  - Sikora, Thomas R., 4,805,077, Cl. 362-267.000.
  - Sikora, Thomas R., 4,839,782, Cl. 362-363.000.
- Tomari, Yasunori: *See—*
  - Katafuchi, Tadashi; Mitazaki, Hiroo; Shido, Seiichi; Tomari, Yasunori; and Onodera, Kenji, 4,832,860, Cl. 252-56.00R.
- Tomaschke, John E., to Hydranautics Corporation. Interfacially synthesized reverse osmosis membrane containing an amine salt and processes for preparing the same. 4,872,984, 10-10-89, Cl. 210-500.380.
- Tomasek, Jaroslav, to FMC Corporation. Current and torque feedback system and circuitry for sine-wave controlled brushless servo drive systems. 4,841,213, 6-20-89, Cl. 318-661.000.
- Tomasek, Jaroslav. Brushless servo motor construction and alignment. 4,888,509, 12-19-89, Cl. 310-42.000.
- Tomaselli, Dominick; and Hoehle, Hans-Michael, to Perkin-Elmer Corporation, The. Loading apparatus for a work chamber. 4,795,300, 1-3-89, Cl. 414-217.000.
- Tomasi, Werner: *See—*
  - Gisler, Barbara; and Tomasi, Werner, 4,798,122, Cl. 84-385.00P.
- Tomasiak, Mark J.: *See—*
  - Hult, David R.; and Tomasiak, Mark J., 4,864,681, Cl. 15-367.000.
- Tomassetti, Stephen R., to Texas Instruments Incorporated. Integrated bipolar-CMOS circuit isolation for providing different backgate and substrate bias. 4,825,275, 4-25-89, Cl. 357-43.000.
- Tomaswick, Kathleen M.; and LaCamera, Alfred F., to Aluminum Company of America. Container body having improved gas barrier properties. 4,809,876, 3-7-89, Cl. 220-458.000.
- Tomaszek, Thomas R., to Nelmor Co., Inc. Flotation apparatus for reclaiming bonded, two-resin articles. 4,809,854, 3-7-89, Cl. 209-3.000.
- Tomaszewski, Isabel B.: *See—*
  - Quint, Jeanne M.; and Tomaszewski, Isabel B., 4,882,674, Cl. 364-200.000.
- Tomaszewski, Zbigniew; and Troster, Gerhard, to Telefunken electronic GmbH. RC line. 4,866,502, 9-12-89, Cl. 357-51.000.
- Tomat, Ferruccio: *See—*
  - Poloni, Alfredo; Nonini, Geremia; and Tomat, Ferruccio, 4,807,457, Cl. 72-128.000.
- Tomatsu, Kozo: *See—*
  - Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji, Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.
- Tomatsuri, Koichi: *See—*
  - Shiraishi, Mikio; Gotoh, Toshihiko; Hamma, Kentaro; Kimura, Hiroyuki; Kobori, Yasunori; and Tomatsuri, Koichi, 4,844,770, Cl. 156-387.000.
- Tomatsuri, Takeo: *See—*
  - Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.
- Tomba, Giuseppe: *See—*
  - Silvano, Tomba; and Tomba, Giuseppe, 4,872,695, Cl. 280-257.000.
- Tombolato, Aldo L.: *See—*
  - Evans, Neil L.; Tombolato, Aldo L.; Reynolds, Robert R., and Meisner, Robert J., 4,880,104, Cl. 198-445.000.
- Tombstone Pizza Corporation: *See—*
  - Stoerzinger, Charles A.; and Machlett, James, 4,798,014, Cl. 40-124.100.
- Tomco, Inc.: *See—*
  - Wolfe, Michael J.; and Killion, Robert F., 4,812,265, Cl. 261-70.000.
- Tomcufcik, Andrew S.: *See—*
  - Medwid, Jeffrey B.; Torley, Lawrence W.; and Tomcufcik, Andrew S., 4,829,083, Cl. 514-649.000.
- Tomczak, Bernard. Installation for ball game with return panel. 4,852,889, 8-1-89, Cl. 273-411.000.
- Tomczuk, Bruce E.; and Sutherland, Deborah S., to A. H. Robins Company, Incorporated. Fused imidazopyridine compounds. 4,824,951, 4-25-89, Cl. 546-118.000.
- Tomczuk, Bruce E.; and Sutherland, Deborah S., to A. H. Robins Company, Incorporated. Method of treating animals using fused imidazoheterocyclic compounds. 4,873,251, 10-10-89, Cl. 514-303.000.
- Tomczuk, Zygmunt: *See—*
  - Johnson, Terry R.; Ackerman, John P.; Tomczuk, Zygmunt; and Fischer, Donald F., 4,814,046, Cl. 204-1.500.
- Tome, Richard E.: *See—*
  - Blaushild, Ronald M.; Golick, Leonard R.; Samluk, Stephen L.; and Tome, Richard E., 4,797,247, Cl. 376-289.000.
- Tomeba, Shoichi: *See—*
  - Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, 4,827,970, Cl. 137-486.000.
- Tomecanic: *See—*
  - Pourtau, Thierry; and Thiriet, Abel, 4,829,976, Cl. 125-36.000.
  - Tondini, Claudio, 4,802,790, Cl. 404-132.000.
- Tomecek, Jerry. Electronic tank level monitoring device. 4,853,694, 8-1-89, Cl. 340-621.000.
- Tomei, L. David; Cornhill, Fred; Jagadeesh, Jogikal; and Boninger, Michael, to Ohio State University Research Foundation. Method and apparatus for the measurement of low-level laser-induced fluorescence. 4,877,966, 10-31-89, Cl. 250-458.100.
- Tomei Sangyo Kabushiki Kaisha: *See—*
  - Kawaguchi, Toru, 4,868,260, Cl. 526-242.000.
- Tomei Tsushin Kogyo Co., Ltd.: *See—*
  - Ohtsuka, Hiroo; Hara, Osamu; Hori, Akira; and Nodoa, Minoru, 4,854,889, Cl. 439-395.000.
- Tomek, Lawrence S. Oil-absorbent floor mat. 4,798,754, 1-17-89, Cl. 428-74.000.
- Tomek, Martin L., to Halliburton Logging Services, Inc. Flex joint incorporating enclosed conductors. 4,842,059, 6-27-89, Cl. 166-65.100.
- Tomek, Martin L.: *See—*
  - Hensley, Donald E.; Rankin, E. Edward; Tomek, Martin L.; and Moody, David M., 4,799,546, Cl. 166-250.000.
  - Rankin, E. Edward; Hensley, Donald E.; and Tomek, Martin L., 4,844,161, Cl. 166-250.000.
- Tomeo, Peter F., Jr. Fishing lure. 4,796,374, 1-10-89, Cl. 43-35.000.
- Tomeoka, Masaru: *See—*
  - Kitera, Takuya; Urushibata, Shoichi; Sato, Masatoshi; Nagashima, Tadashi; Hamada, Shoichi; Shirasu, Isao; Nakura, Yasumi; Sakamoto, Michito; Ishide, Takashi; Sakamoto, Naruo; Meka, Masahiko; and Tomeoka, Masaru, 4,839,495, Cl. 219-121.630.
- Tomer, Jitendra P. Electrical cable connector. 4,836,799, 6-6-89, Cl. 439-284.000.
- Tomes, Nancy J., to Pioneer Hi-Bred International, Inc. Bacterial treatment to preserve hay quality by addition of microorganisms of the genus bacillus. 4,820,531, 4-11-89, Cl. 426-52.000.
- Tomes, Nancy J., to Pioneer Hi-Bred International, Inc. Bacterial treatment to preserve hay quality by addition of microorganisms of the genus Bacillus. 4,863,747, 9-5-89, Cl. 426-61.000.
- Tomesch, John C., to Sandoz Pharm. Corp. N-alkyl-(2- or 5-substituted-2-methoxycarbonyl aminoalkyl furanyl)-substituted cyclimmonium salts and use thereof in PAF inhibition. 4,820,718, 4-11-89, Cl. 514-336.000.
- Tomesch, John C.; Prashad, Mahavir; and Houlihan, William J., to Sandoz Pharm. Corp. Process for the preparation of monoalkylcarbamate group-containing compounds. 4,868,319, 9-19-89, Cl. 549-496.000.
- Tomex Corporation: *See—*
  - Widrow, Bernard, 4,849,945, Cl. 367-30.000.
- Tomforde, Johann: *See—*
  - Klie, Wolfgang; Fischer, Wolfgang; Tomforde, Johann; Kleiner, Horst; and Ellenrieder, Gunther, 4,826,226, Cl. 293-120.000.
- Tomic, Branko: *See—*
  - Maschek, Martin; Mastner, Georg; and Tomic, Branko, 4,802,731, Cl. 350-96.230.
- Tomida, Katsushi: *See—*
  - Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Tomida, Katsushi, 4,883,709, Cl. 428-288.000.
- Tomida, Masahito: *See—*
  - Kambayashi, Makoto; Nakatani, Kensuke; Ozaki, Kazuaki; Tomida, Masahito; Haraguchi, Hiroshi; and Hamamatsu, Takeo, 4,887,349, Cl. 29-623.500.
- Tomida, Yasuko; and Koike, Shoji, to Canon Kabushiki Kaisha. Recording liquid and recording method by use thereof. 4,838,938, 6-13-89, Cl. 106-22.000.
- Tomida, Yasuko: *See—*
  - Koike, Shoji; Iwata, Kazuo; and Tomida, Yasuko, 4,849,770, Cl. 346-1.100.
  - Koike, Shoji; and Tomida, Yasuko, 4,853,036, Cl. 106-20.000.
- Tomida, Yoshinori; Sakai, Kunihiro; Matsuda, Hiroshi; Kawada, Haruki; Eguchi, Ken; Kimura, Toshiaki; Takimoto, Kiyoshi; Saitoh, Kenji; and Miyazaki, Toshihiko, to Canon Kabushiki Kaisha. Polymerizable film and pattern forming method by use thereof. 4,798,740, 1-17-89, Cl. 427-43.100.
- Tomida, Yoshinori: *See—*
  - Miyazaki, Toshihiko; Sakai, Kunihiro; Tomida, Yoshinori; Sugata, Hiroyuki; Matsuda, Hiroshi; and Nishimura, Yukuo, 4,840,821, Cl. 427-430.100.
  - Saito, Kenji; Eguchi, Ken; Kawada, Haruki; Tomida, Yoshinori; Miyazaki, Toshihiko; Nishimura, Yukuo; and Nakagiri, Takashi, 4,813,763, Cl. 350-169.000.
  - Saito, Kenji; Nishimura, Yukuo; Tomida, Yoshinori; Kawada, Haruki; Eguchi, Ken; and Nakagiri, Takashi, 4,830,502, Cl. 356-432.000.
  - Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Nishimura, Yukuo; Sakai, Kunihiro; Kawada, Haruki; Matsuda, Hiroshi; Nakagiri, Takashi; Tomida, Yoshinori; and Kimura, Toshiaki, 4,863,832, Cl. 430-281.000.
  - Sakai, Kunihiro; Saitoh, Kenji; Miyazaki, Toshihiko; Eguchi, Ken; Kawada, Haruki; Kimura, Toshiaki; Takimoto, Kiyoshi; Matsuda, Hiroshi; Nishimura, Yukuo; and Tomida, Yoshinori, 4,835,083, Cl. 430-130.000.
- Tomie, Takashi: *See—*
  - Kadokura, Sadao; Honjo, Kazuhiko; Tomie, Takashi; and Nase, Masahiko, 4,842,708, Cl. 204-298.000.
  - Yamaura, Michio; Yatabe, Toshiaki; Matsuzawa, Hiroshi; and Tomie, Takashi, 4,865,916, Cl. 428-336.000.
- Tomihashi, Nobuyuki: *See—*
  - Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Terada, Tsutomu, 4,842,940, Cl. 428-422.000.
  - Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Shimasaki, Shuhei, 4,853,425, Cl. 524-83.000.

- Tomii, Kaoru: *See—*
  - Hamada, Kiyoshi; Tomii, Kaoru; Hashiguchi, Junpei; and Nonomura, Kinzo, 4,816,724, Cl. 315-366.000.
  - Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, 4,804,887, Cl. 313-495.000.
  - Miyama, Hiroshi; Kawauchi, Yoshikazu; Tomii, Kaoru; and Nishida, Jun, 4,812,716, Cl. 315-366.000.
- Tomii, Yoshifumi: *See—*
  - Kise, Masahiro; Kitano, Masahiko; Ozaki, Masakuni; Kazuno, Kenji; Shirahase, Ichiro; Tomii, Yoshifumi; and Segawa, Jun, 4,843,070, Cl. 514-210.000.
  - Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, 4,882,328, Cl. 514-236.200.
- Tomikashi, Minoru: *See—*
  - Kanegae, Hidetoshi; Tomikashi, Minoru; and Hino, Akira, 4,839,811, Cl. 364-424.030.
- Tomikawa, Arifumi; and Yasukawa, Nihiko, to Oki Electric Industry Co., Ltd. Brief case with a portable wireless telephone. 4,840,258, 6-20-89, Cl. 190-102.000.
- Tomikawa, Hisao; and Okazaki, Mamoru, to Tsubakimoto Chain Co. Method and apparatus for detecting traveling position and/or direction of an unmanned vehicle. 4,847,774, 7-11-89, Cl. 364-449.000.
- Tomikawa, Minato: *See—*
  - Inuzuka, Toshio; Hasegawa, Tsutomu; Tomikawa, Minato; and Aoki, Shigeru, 4,889,766, Cl. 428-324.000.
- Tomiku, Masato: *See—*
  - Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,834,345, Cl. 266-105.000.
  - Kanbara, Susumu; Aihara, Kenji; Tomiku, Masato; Kawashima, Yoshio; Sawada, Tadashi; Okuda, Shinji; and Ikeda, Mitsuaki, 4,881,987, Cl. 148-12.00B.
  - Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
- Tomimatsu, Kazutaka; and Nakayama, Yutaka, to Mitsubishi Jukogyo Kabushiki Kaisha. Self-discharge type pulse charging electrostatic precipitator. 4,867,765, 9-19-89, Cl. 55-139.000.
- Tomimatsu, Kiminori: *See—*
  - Kishimoto, Shoji; Tomimatsu, Kiminori; and Sendai, Michiyuki, 4,833,134, Cl. 514-206.000.
- Tomimatsu, Noriyuki; and Tsurishima, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Frequency-voltage converting circuit. 4,846,579, 7-11-89, Cl. 363-8.000.
- Tomimoto, Koji: *See—*
  - Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
- Tominaga, Akira: *See—*
  - Kitabatake, Michiharu; and Tominaga, Akira, 4,883,830, Cl. 523-414.000.
  - Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.
- Tominaga, Chikara: *See—*
  - Ogata, Takashi; Kato, Masanori; Kawasumi, Yoshio; Tominaga, Chikara; and Tanaka, Kanji, 4,874,436, Cl. 148-2.000.
  - Tazawa, Isao; Kiuchi, Norihiro; Segawa, Hideo; Tominaga, Chikara; and Murakami, Kenji, 4,816,748, Cl. 324-65.00R.
- Tominaga, Fukutoshi; Iwanaga, Mitsuo; and Yokomizo, Hiromichi, to Nishimu Electronics Industries Co., Ltd. Ferroresonant constant AC voltage transformer. 4,862,059, 8-29-89, Cl. 323-307.000.
- Tominaga, Haruo; Takayama, Teruyuki; Miyauchi, Kenichi; and Yamaguchi, Tetsuo, to Fujikura Ltd. Dip forming apparatus for continuously forming cast rod. 4,844,147, 7-4-89, Cl. 164-450.000.
- Tominaga, Hidekazu, to Canon Kabushiki Kaisha. Optical information processing apparatus. 4,811,194, 3-7-89, Cl. 369-45.000.
- Tominaga, Jiro: *See—*
  - Sumitomo, Hidehiko; Nakazawa, Takanori; Nakatsuka, Jun; Tominaga, Jiro; and Kanai, Yoshiaki, 4,851,059, Cl. 148-327.000.
- Tominaga, Kanji; Hijikata, Toshihiro; Yamaguchi, Katsuhiro; Matsumoto, Yoshimichi; and Watanabe, Yasuo, to Honda Giken Kogyo Kabushiki Kaisha. Method of and apparatus for adjusting tension of timing belt. 4,802,883, 2-7-89, Cl. 474-101.000.
- Tominaga, Kaoru; Kan, Kojiro; Takata, Toshimasa; and Tomoshige, Toru, to Mitsui Petrochemical Industries, Ltd. Polyimide resin compositions. 4,885,329, 12-5-89, Cl. 524-430.000.
- Tominaga, Kenji: *See—*
  - Suzuki, Hiroaki; Murase, Michio; Hatamiya, Shigeo; Naitoh, Masanori; and Tominaga, Kenji, 4,822,557, Cl. 376-282.000.
  - Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, 4,808,369, Cl. 376-282.000.
- Tominaga, Ryuichiro: *See—*
  - Muramatsu, Mitsuru; and Tominaga, Ryuichiro, 4,840,011, Cl. 53-381.00R.
  - Muramatsu, Mitsuru; and Tominaga, Ryuichiro, 4,867,342, Cl. 221-11.000.
- Tominaga, Satoshi: *See—*
  - Tanaka, Nobuo; Tominaga, Satoshi; Okada, Hisao; and Yoshida, Toshihiko, 4,813,069, Cl. 379-82.000.
- Tominaga, Shigeru: *See—*
  - Okada, Osamu; Morita, Shigeki; Nakashita, Shigeto; Masu, Tadahisa; Tominaga, Shigeru; and Inada, Hiroshi, 4,881,474, Cl. 110-263.000.
- Tominaga, Shinji; Yamamoto, Kouji; and Yamanaka, Akira, to Minolta Camera Kabushiki Kaisha. Film winding-up system for photographic camera. 4,857,946, 8-15-89, Cl. 354-173.100.
- Tominaga, Shinji: *See—*
  - Ootsuka, Hiroshi; Tominaga, Shinji; Kobayashi, Haruo; Matsushita, Shuzo; Hoda, Takeo; and Mukai, Hiromu, 4,862,206, Cl. 354-414.000.
  - Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, 4,816,862, Cl. 354-412.000.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.
  - Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
- Tominaga, Shoji: *See—*
  - Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, 4,831,636, Cl. 375-27.000.
- Tominaga, Takashi: *See—*
  - Sakuramoto, Takahumi; Asoshina, Eishi; Tominaga, Takashi; Ijichi, Ichiro; Kamei, Kiyohiro; and Konishi, Toshiharu, 4,797,251, Cl. 419-9.000.
  - Sakuramoto, Takahumi; Kojima, Makoto; Asoshina, Eishi; and Tominaga, Takashi, 4,830,819, Cl. 419-8.000.
- Tominaga, Takayuki: *See—*
  - Hanaki, Kenichi; Kitagawa, Hitomi; Tominaga, Takayuki; and Hattori, Tadashi, 4,847,215, Cl. 437-100.000.
  - Sakakibara, Nobuyoshi; Katada, Mitutaka; Ohta, Minoru; Hattori, Tadashi; and Tominaga, Takayuki, 4,819,037, Cl. 357-4.000.
- Tominaga, Tsutomu, to Mitsubishi Denki Kabushiki Kaisha. Throttle control device. 4,858,715, 8-22-89, Cl. 180-170.000.
- Tominaga, Yasunori, to Live International Co., Ltd. Method of adjusting the qualtity of liquors. 4,840,812, 6-20-89, Cl. 426-488.000.
- Tominaga, Yoshiharu: *See—*
  - Takeda, Masatoshi; Ikeda, Kazuo; Tominaga, Yoshiharu; and Mori, Kenji, 4,812,669, Cl. 307-105.000.
- Tominari, Kenichi: *See—*
  - Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, 4,798,866, Cl. 525-191.000.
- Tominari, Noboru, to Dynavector, Inc. Multi-channel reproducing system. 4,873,722, 10-10-89, Cl. 381-17.000.
- Tomino, Ikuo: *See—*
  - Hashimoto, Isao; Tomino, Ikuo; Kato, Houji; Kihara, Noriaki; and Mukaiyama, Teruaki, 4,808,726, Cl. 548-342.000.
- Tomino, Tadashi: *See—*
  - Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, 4,835,609, Cl. 358-142.000.
- Tomio, Hidehiro: *See—*
  - Shindo, Yoshio; Yamazaki, Fumio; Wada, Kouichi; Tomio, Hidehiro; and Saito, Katsushi, 4,857,154, Cl. 204-27.000.
- Tomio, Yasuda: *See—*
  - Aoki, Kohji; and Tomio, Yasuda, 4,805,723, Cl. 180-289.000
- Tomioka, Akihiro: *See—*
  - Sakuma, Kazuhiro; Fukumoto, Yasuhiko; and Tomioka, Akihiro, 4,887,467, Cl. 73-517.00B
- Tomioka, Hiroki; Ooishi, Tadashi; and Hirata, Naonori, to Sumitomo Chemical Company, Limited. Soil fungicidal benzimidazoles. 4,843,090, 6-27-89, Cl. 514-388.000.
- Tomioka, Ichiro; Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; and Arakawa, Takahiko, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor intergrated circuit device. 4,870,345, 9-26-89, Cl. 371-22.300.
- Tomioka, Ichiro: *See—*
  - Kishida, Satoru; Sakashita, Kazuhiro; and Tomioka, Ichiro, 4,864,579, Cl. 371-22.300.
  - Sakashita, Kazuhiro; Kishida, Satoru; Hanibuchi, Toshiaki; Tomioka, Ichiro; and Arakawa, Takahiko, 4,856,002, Cl. 371-21.000
- Tomioka, Isao: *See—*
  - Dombou, Munehiko; Tomioka, Isao; Kitabatake, Senji; and Nakejima, Hiroshi, 4,886,749, Cl. 435-89.000.
- Tomioka, Kenichi: *See—*
  - Mase, Toshiyasu; Tsuzuki, Ryuji; Hara, Hiromu; Murase, Kiyoshi; and Tomioka, Kenichi, 4,803,211, Cl. 514-361.000.
  - Murase, Kiyoshi; Mase, Toshiyasu; Hara, Hiromu; and Tomioka, Kenichi, 4,855,310, Cl. 514-361.000.
- Tomioka, Masao: *See—*
  - Mitsuhashi, Takamichi; and Tomioka, Masao, 4,812,921, Cl. 358-343.000.
- Tomioka, Mikio: *See—*
  - Maezawa, Hiruyuki; Katumata, Hidetosi; and Tomioka, Mikio, 4,872,167, Cl. 371-19.000.
- Tomioka, Noboru: *See—*
  - Furutani, Yoshio; Tomioka, Noboru; Honjo, Masaru; Manabe, Kazuaki; and Shimada, Hiroaki, 4,824,782, Cl. 435-172.300.
- Tomioka, Yasushi; Imazeki, Shuji; Terao, Motoyasu; Ojima, Masahiro; and Taniguchi, Yoshio, to Hitachi, Ltd. Method for erasing recording in a PHB memory. 4,855,951, 8-8-89, Cl. 365-119.000.
- Tomioka, Yoshihiko: *See—*
  - Hisazumi, Nobuyuki; Funabashi, Shinichiro; and Tomioka, Yoshihiko, 4,851,245, Cl. 426-105.000.
- Tomioka, Yukio: *See—*
  - Uda, Masayuki; Tomioka, Yukio; Kouno, Chikara; Ishida, Hiroshi; and Yamauchi, Yukio, 4,823,368, Cl. 250-372.000.
- Tomiolo, Andrea, to Carpio S.r.l. Process and device for measuring and processing the displacements between two or more points in structures, buildings, machinery or the like. 4,889,997, 12-26-89, Cl. 250-561.000.
- Tomisawa, Naoki, to Nippon Denshi Kiki Co., Ltd. Apparatus for learn-controlling air-fuel ratio for internal combustion engine. 4,800,857, 1-31-89, Cl. 123-489.000.
- Tomisawa, Naoki, to Japan Electronic Control Systems Company, Limited. Spark ignition timing control system for internal combustion engine with feature of suppression of jerking during engine acceleration. 4,844,026, 7-4-89, Cl. 123-422.000.
- Tomisawa, Naoki, to Japan Electronic Control Systems, Co., Ltd. Apparatus for learning and controlling air/fuel ratio in internal combustion engine. 4,850,326, 7-25-89, Cl. 123-489.000.
- Tomisawa, Naoki, to Japan Electronic Control Systems Co., Ltd. Apparatus for learning and controlling air/fuel ratio in internal combustion engine. 4,854,287, 8-8-89, Cl. 123-489.000.
- Tomisawa, Naoki, to Japan Electronic Control Systems Company Limited. Self-diagnosis system for auxiliary air control system of internal combustion engine. 4,875,456, 10-24-89, Cl. 123-585.000.
- Tomisawa, Naoki, to Japan Electronic Control Systems Co., Ltd. Electronic learning control apparatus for internal combustion engine. 4,881,505, 11-21-89, Cl. 123-480.000.
- Tomisawa, Naoki: *See—*
  - Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,817,572, Cl. 123-492.000.
  - Nakaniwa, Shinpei; Hoshino, Yukio; Tomisawa, Naoki; Otani, Seiichi; Ariga, Tadashi; and Furuhashi, Shouji, 4,831,987, Cl. 123-488.000.
  - Nakaniwa, Shinpei; Otani, Seiichi; Hamada, Toru; Osaki, Masanobu; Hoshino, Yukio; and Tomisawa, Naoki, 4,889,100, Cl. 123-492.000.
- Tomisawa, Takehiko, to Alps Electric Co., Ltd. Brushless motor structure enabling accurate relative positioning of rotor and stator coils. 4,839,551, 6-13-89, Cl. 310-90.000.
- Tomisawa, Yutaka: *See—*
  - Inoue, Kazuhiko; and Tomisawa, Yutaka, 4,814,284, Cl. 437-022.000.
- Tomiser, Frank J., Jr., to Emerson Electric Co. Power tool handwheel/crank. 4,811,623, 3-14-89, Cl. 74-547.000.
- Tomishawa, Naoki, to Japan Electronic Control Systems Company, Limited. Air/fuel mixture ratio control system for internal combustion engine with feature of learning correction coefficient including altitude dependent factor. 4,889,099, 12-26-89, Cl. 123-489.000.
- Tomishima, Hiroshi: *See—*
  - Tsuchiya, Kazuhiro; Nishiyama, Toshikazu; and Tomishima, Hiroshi, 4,805,059, Cl. 360-125.000.
- Tomishima, Yoshio: *See—*
  - Kobayashi, Teiji; Tomishima, Yoshio; Yamamoto, Taizo; and Nojima, Yasuhiro, 4,849,482, Cl. 526-78.000.
- Tomita, Akira; and Ostasiuk, Mark, to Raychem Corp. Annealing bent optical fiber. 4,812,001, 3-14-89, Cl. 350-96.300.
- Tomita, Akira; Ohtsuka, Yasuo; Takarada, Takayuki; and Nabatame, Toshihide, to Tohoku University. Catalytic coal gasification by utilizing chlorides. 4,848,983, 7-18-89, Cl. 48-202.000.
- Tomita, Akira: *See—*
  - Ellis, Roger H.; Walton, A. Christian; and Tomita, Akira, 4,884,864, Cl. 350-96.210.
- Tomita, Fusao: *See—*
  - Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru, Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.
- Tomita, Haruhiko: *See—*
  - Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.
- Tomita, Haruo; and Yonezawa, Kazuya, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for preparing polyglycidyl compounds. 4,810,808, 3-7-89, Cl. 549-515.000.
- Tomita, Hideo: *See—*
  - Matsuzaki, Atsushi; Kobayashi, Hiroyuki; Tomita, Hideo; Kikuchi, Kenichi; Inoue, Kenji; Kondo, Yoshiyuki; Hirayasu, Masatoshi; and Ichise, Atsushi, 4,887,152, Cl. 358-86.000.
- Tomita, Hirofumi: *See—*
  - Oda, Masatsugu; Sasaki, Naoko; Sakaki, Toshiro; Tomita, Hirofumi; and Nonaka, Nobuyuki, 4,840,959, Cl. 514-355.000.
- Tomita, Hirohito: *See—*
  - Okabe, Mitsuo; Tomita, Hirohito; and Kubo, Shoichi, 4,818,588, Cl. 428-201.000.
- Tomita, Hiroshi: *See—*
  - Kunimitsu, Michio; and Tomita, Hiroshi, 4,812,063, Cl. 400-234.000.
  - Kunimitsu, Michio; Tomita, Hiroshi; Akao, Akio; and Kano, Hiroshi, 4,838,713, Cl. 400-120.000.
- Tomita, Hiroyuki: *See—*
  - Kobayashi, Sumio; Tokashiki, Mutsuo; Tomita, Hiroyuki; Okawa, Tadashi; and Sugai, Hiroshi, 4,808,933, Cl. 324-163.000.
- Tomita, Ichizo: *See—*
  - Okura, Eiji; Tomita, Ichizo; and Ida, Hiroyuki, 4,830,098, Cl. 165-42.000.
- Tomita, Itizo; and Matsumoto, Takehide, to Diesel Kiki Co., Ltd. Heater device for motor vehicle. 4,883,226, 11-28-89, Cl. 237-12.30C.
- Tomita, Katsuhiko, to Horiba, Ltd. Sheet type electrode for use in measurement of ions. 4,797,188, 1-10-89, Cl. 204-414.000.
- Tomita, Katsuhiko: *See—*
  - Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, 4,816,132, Cl. 204-408.000.
  - Kotani, Haruo; and Tomita, Katsuhiko, 4,872,956, Cl. 204-1.00T.
  - Kotani, Haruo; and Tomita, Katsuhiko, 4,872,966, Cl. 204-414.000.
  - Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, 4,883,563, Cl. 156-645.000.
  - Nakajima, Kazuo; and Tomita, Katsuhiko, 4,850,105, Cl. 29-841.000.
- Tomita, Kazuyuki. Magnet filter. 4,839,044, 6-13-89, Cl. 210-222.000.
- Tomita, Kazuyuki. Magnet filter. 4,851,116, 7-25-89, Cl. 210-222.000.
- Tomita, Keiko: *See—*
  - Miyazima, Koichiro; Tomita, Keiko; and Nakagaki, Masayuki, 4,883,665, Cl. 424-417.000.
- Tomita, Ken; and Mori, Seiichiro, to JEOL Ltd. Analytical electron microscope. 4,880,977, 11-14-89, Cl. 205-311.000.
- Tomita, Kenichi; Suetsugu, Masaru; Fukuda, Minoru; Higashi, Takao; and Koizumi, Norimichi, to Shiseido Company Ltd. UV-ray sensitive composition and element for measuring UV-ray dose. 4,829,187, 5-9-89, Cl. 250-474.100.
- Tomita, Kenichi: *See—*
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
  - Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
- Tomita, Koji: *See—*
  - Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,833,079, Cl. 435-148.000.
  - Kamei, Hideo; Ohbayashi, Masaru; Tomita, Koji; Sugawara, Koko; and Konishi, Masataka, 4,883,758, Cl. 435-253.500.
  - Konishi, Masataka; Tomita, Koji; Oka, Masahisa; and Numata, Ken-ichi, 4,833,076, Cl. 435-29.000.
  - Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.
- Tomita, Kouji: *See—*
  - Sakakibara, Yasuzo; Ueda, Ken-ichi; and Tomita, Kouji, 4,835,308, Cl. 562-413.000.
- Tomita, Mamoru: *See—*
  - Okonogi, Shigeo; Tomita, Mamoru; Shimamura, Seiichi; Ishibashi, Norio; and Kudo, Tsutomu, 4,888,171, Cl. 424-93.000.
- Tomita, Masahiro; and Yasuda, Eturo, to Nippon Soken, Inc. Piezoelectric ceramic materials. 4,882,079, 11-21-89, Cl. 252-62.900.
- Tomita, Masahiro: *See—*
  - Hayashi, Satoshi; Tomita, Masahiro; Niwa, Hitoshi; and Mukai, Hirokatsu, 4,838,233, Cl. 123-506.000.
- Tomita, Masami; Nomura, Yoshihiro; Ide, Noriaki; and Ohtaki, Kazumi, to Ricoh Co., Ltd. Color toner for electrophotography. 4,888,263, 12-19-89, Cl. 430-106.000.
- Tomita, Masao, to Kinki Denki Co., Ltd. Method of grounding electrical current surges. 4,821,139, 4-11-89, Cl. 361-124.000.
- Tomita, Masao: *See—*
  - Ohta, Haruo; and Tomita, Masao, 4,827,342, Cl. 358-167.000.
- Tomita, Minoru. Apparatus for measuring aggregation rate of whole blood red blood cells. 4,822,568, 4-18-89, Cl. 422-73.000.
- Tomita, Misao: *See—*
  - Sengoku, Koji; and Tomita, Misao, 4,884,498, Cl. 99-352.000.
- Tomita, Naotaka: *See—*
  - Murase, Masanori; Tomita, Naotaka; and Iida, Kazuyoshi, 4,840,251, Cl. 181-206.000.
  - Murase, Masanori; Tomita, Naotaka; Mizuno, Keiichiro; and Iida, Kazuyoshi, 4,858,720, Cl. 181-176.000.
- Tomita, Nobumitsu; Takahashi, Akira; and Takeuchi, Shogo, to Pioneer Electronic Corporation. Multi-disk player system. 4,864,551, 9-5-89, Cl. 369-36.000.
- Tomita, Osamu; Saiwai, Kazuhiko; and Kimura, Akira, to Kanzaki Paper Manufacturing Co., Ltd. Apparatus for measuring adhesion. 4,856,325, 8-15-89, Cl. 73-150.00A.
- Tomita, Osamu: *See—*
  - Yamakawa, Masami; and Tomita, Osamu, 4,818,973, Cl. 340-572.000.
- Tomita, Satoru; and Imakawa, Susumu, to Ricoh Company, Ltd. Method of controlling the temperature of semiconductor laser in an optical device. 4,834,477, 5-30-89, Cl. 350-6.200.
- Tomita, Satoru: *See—*
  - Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimura, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.

Tomita, Seisuke; and Hashimoto, Takatsugu, to Bridgestone Corporation. Process for molding and vulcanizing rubber products. 4,814,214, 3-21-89, Cl. 428-36.800.

Tomita, Seisuke: *See—*
Ishiharada, Minoru; Chikaraishi, Toshio; Kaneda, Hiroshi; and Tomita, Seisuke, 4,830,461, Cl. 350-96.290.

Tomita, Sigeo: *See—*
Chida, Katsunori; Tomita, Sigeo; and Koga, Kenji, 4,831,288, Cl. 307-633.000.
Harada, Eiji; Matsuzaki, Hitoshi; Tomita, Sigeo; and Chida, Katsunori, 4,884,126, Cl. 357-81.000.
Sugayama, Shigeru; Kariya, Tadaaki; Shimura, Tatsuo; and Tomita, Sigeo, 4,833,587, Cl. 363-96.000.

Tomita, Takenori: *See—*
Ohta, Yasunori; Torii, Shumpeita; Kimura, Tsutomu; Tomita, Takenori; Itakura, Toru; Shoji, Takashi; Konno, Masaaki; and Seto, Hisao, 4,831,461, Cl. 358-296.000.
Shoji, Takashi; Tomita, Takenori; and Watanabe, Hideo, 4,849,980, Cl. 372-29.000.

Tomita, Takeshi: *See—*
Kato, Shoji; and Tomita, Takeshi, 4,814,716, Cl. 328-233.000.

Tomita, Tomio: *See—*
Honda, Katsuo; Sawafuji, Susumu; and Tomita, Tomio, 4,838,238, Cl. 125-15.000.

Tomita, Toshihiko, to Mazda Motor Corporation. Automobile rear seat. 4,824,173, 4-25-89, Cl. 297-443.000.

Tomita, Toshihiko, to Mazda Motor Corporation. Motor-driven seat. 4,832,405, 5-23-89, Cl. 297-330.000.

Tomita, Toshihiko, to Pioneer Electronic Corporation. Disc player for playing disc contained in cartride. 4,853,916, 8-1-89, Cl. 369-36.000.

Tomita, Toshio: *See—*
Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, 4,857,515, Cl. 514-89.000.

Tomita, Yoji; Oishi, Eiichi; Miyaji, Hiroshi; Morimoto, Hiroya; Sekigawa, Tetsuo; and Mitsuhashi, Kenichi, to Kanebo, Ltd. Apparatus for performing separation of a solid-liquid mixture. 4,836,917, 6-6-89, Cl. 210-104.000.

Tomita, Yoshifumi; Nishizawa, Masahiro; and Nonogaki, Saburo, to Hitachi, Ltd. Fluorescent screens of color picture tubes and manufacturing method therefor. 4,855,200, 8-8-89, Cl. 430-25.000.

Tomita, Yoshifumi: *See—*
Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nonogaki, Saburo; and Nishizawa, Masahiro, 4,857,429, Cl. 430-28.000.
Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.

Tomita, Yoshihiro: *See—*
Taniguchi, Tomohiko; Iseda, Kohei, Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, 4,831,636, Cl. 375-27.000.

Tomita, Yoshinori: *See—*
Matsuda, Hiroshi; Haruta, Masahiro; Munakata, Hirohide; Tomita, Yoshinori; and Hamamoto, Takashi, 4,804,613, Cl. 430-270.000.

Tomitaka, Kichinojyo: *See—*
Fukuda, Yujiro; Utsumi, Shigeo; Tomitaka, Kichinojyo; and Takisawa, Toshifumi, 4,865,898, Cl. 428-141.000.

Tomitaka, Tadafusa: *See—*
Machida, Yukihiko; and Tomitaka, Tadafusa, 4,804,894, Cl. 318-314.000.

Tomite, Toshio; and Watanabe, Yasuaki, to Hitachi, Ltd. Method of manufacturing armature of electric rotary machine. 4,833,769, 5-30-89, Cl. 29-597.000.

Tomite, Toshio: *See—*
Abukawa, Toshimi; Tahara, Kazuo; Takahashi, Noriyoshi; and Tomite, Toshio, 4,823,037, Cl. 310-230.000.

Tomiya, Seisuke: *See—*
Hashimoto, Takatsugu; and Tomiya, Seisuke, 4,889,677, Cl. 264-297.500.

Tomiyama, Akira: *See—*
Tomiyama, Tsuyoshi; Tomiyama, Akira; and Kubota, Koichi, 4,797,415, Cl. 514-469.000.

Tomiyama, Hideki; Horie, Ikutaro; and Satake, Masaki, to Fuji Photo Film Co., Ltd. Color diffusion transfer element comprising two neutralizing layers and two timing layers. 4,833,063, 5-23-89, Cl. 430-216.000.

Tomiyama, Hideki, to Fuji Photo Film Co., Ltd. Color diffusion transfer photographic element with reducing sugar. 4,859,564, 8-22-89, Cl. 430-216.000.

Tomiyama, Hideki: *See—*
Idota, Yoshio; Karino, Yukio; Hayashi, Hiroshi; and Tomiyama, Hideki, 4,798,779, Cl. 430-202.000.

Tomiyama, Hiroshi; and Naito, Seishi, to Glory Kogyo Kabushiki Kaisha. Method for identifying certification identifying media. 4,855,584, 8-8-89, Cl. 235-493.000.

Tomiyama, Sadayoshi: *See—*
Osawa, Masao; Tsukasa, Fumihiro; Tomiyama, Sadayoshi; and Tanaka, Noboru, 4,846,291, Cl. 177-25.180.

Tomiyama, Shigeo: *See—*
Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.

Tomiyama, Tsuyoshi; Tomiyama, Akira; and Kubota, Koichi, to Kotobuki Seiyaku Company Limited. Benzofuran derivatives and use thereof for treating hyperuricemia. 4,797,415, 1-10-89, Cl. 514-469.000.

Tomiyama, Yoshio: *See—*
Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama, Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,814, Cl. 414-686.000.

Tomiyoshi, Kazutoshi: *See—*
Itoh, Kunio; Shiobara, Toshio; Futatsumori, Koji; Tomiyoshi, Kazutoshi; and Shimizu, Hisashi, 4,877,822, Cl. 523-433.000.
Shiobara, Toshio; and Tomiyoshi, Kazutoshi, 4,859,722, Cl. 523-433.000.

Tomizawa, Akira: *See—*
Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,804,559, Cl. 427-96.000.
Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,880,464, Cl. 106-1.050.

Tomizawa, Atsushi: *See—*
Masui, Takeshi; Matsumoto, Yoshiro; Tomizawa, Atsushi; and Hirooka, Eiji, 4,860,416, Cl. 29-116.200.

Tomizawa, Fumio: *See—*
Ichikawa, Yoshiaki; Senoh, Makoto; Suzuki, Masanori; Kamimura, Hiroshi; Tomizawa, Fumio; Sugiyama, Sakae; and Sasaki, Masayoshi, 4,837,734, Cl. 364-513.000.
Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,248, Cl. 364-513.000.

Tomizawa, Hirotaka: *See—*
Yoshimura, Narihiko; Komatsu, Yasuji; and Tomizawa, Hirotaka, 4,886,613, Cl. 252-79.000.
Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,886,614, Cl. 252-79.000.
Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, 4,889,650, Cl. 252-79.000.

Tomizawa, Takashi; and Takagi, Osamu, to Brother Kogyo Kabushiki Kaisha. Image recording apparatus for producing glossy image medium. 4,885,603, 12-5-89, Cl. 355-30.000.

Tomizawa, Takashi: *See—*
Hayakawa, Kiyoharu; and Tomizawa, Takashi, 4,878,083, Cl. 355-27.000.

Tomizawa, Takayuki: *See—*
Shimada, Nobuyoshi; Tomizawa, Takayuki; Hasegawa, Shigeru; Matsuo, Kaoru; Fujii, Akio; and Hoshino, Hiroo, 4,845,215, Cl. 544-265.000.

Tomizawa, Takeshi: *See—*
Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, 4,840,042, Cl. 62-324.100.

Tomizawa, Toshikazu: *See—*
Segawa, Susumu; and Tomizawa, Toshikazu, 4,833,016, Cl. 428-317.100.

Tomizawa, Youzi; and Mizutani, Masashi, to Alps Electric Co., Ltd. Cover mechanism for a recording medium holding device. 4,841,394, 6-20-89, Cl. 360-99.060.

Tomizu, Motoyuki; and Okada, Yasuhiro, to Omron Tateisi Electronics Co. Terminal pin. 4,795,378, 1-3-89, Cl. 439-751.000.

Tomizu, Motoyuki; and Nagata, Kunio, to Omron Tateisi Electronics Co. Electrical switch. 4,795,863, 1-3-89, Cl. 200-16.00B.

Tomizu, Motoyuki; and Okada, Yasuhiro, to Omron Tateisi Electronics Co. Cable connector with stepped connecting element. 4,808,122, 2-28-89, Cl. 439-417.000.

Tomizu, Motoyuki: *See—*
Shima, Koichi; and Tomizu, Motoyuki, 4,880,401, Cl. 439-746.000.

Tomizuka, Teiichi: *See—*
Horie, Ikutaro; Ishiyama, Masashi; and Tomizuka, Teiichi, 4,853,262, Cl. 428-13.000.

Tomkiewicz, Thaddeus: *See—*
Lenz, William; Patel, Arvind; and Tomkiewicz, Thaddeus, 4,886,942, Cl. 174-135.000.

Tomkinson, David M.: *See—*
Howarth, Michael S.; and Tomkinson, David M., 4,812,572, Cl. 546-290.000.

Tomkinson, Donald; and d'Entremont, John R., to Texas Instruments Incorporated. Method for making a circuit interrupter device. 4,879,805, 11-14-89, Cl. 29-622.000.

Tomkinson, Donald L.: *See—*
Walles, Wilhem E.; and Tomkinson, Donald L., 4,861,250, Cl. 425-90.000.

Tomkinson-Walles, Gayle D.: *See—*
Vallance, Michael A.; Tomkinson-Walles, Gayle D.; and Johnson, Roger N., 4,865,787, Cl. 264-101.000.

Tomko, Donna L.; and Harbison, Kenneth G., to Eastman Kodak Company. Optically brightened polyolefin coated paper support. 4,859,539, 8-22-89, Cl. 428-512.000.

Tomko, George J., to Mytec Technologies Inc. Method and apparatus for fingerprint verification. 4,876,725, 10-24-89, Cl. 382-4.000.

Tomko, John: *See—*
Aaronson, Alan M.; Protzmann, Robert L.; and Tomko, John, 4,822,916, Cl. 568-34.000.

Tomko, Richard F.; Sigworth, William D.; and Coolbaugh, Thomas S., to Uniroyal Chemical Company, Inc. Moisture-curable low molecular weight polymers and compositions and composites thereof. 4,818,789, 4-4-89, Cl. 525-64.000.

Tomlin, James S.: *See—*
Rudy, Norman A.; and Tomlin, James S., 4,875,254, Cl. 17-61.000.

Tomlin, Jerry B.; and Olejak, Ingo W. V., to Koomey, Inc. Pilot actuated spool valve. 4,887,643, 12-19-89, Cl. 137-625.660.

Tomlin, Joel T.: *See—*
Davis, Cecil J.; Freeman, Dean W.; Matthews, Robert T.; and Tomlin, Joel T., 4,832,778, Cl. 156-345.000.

Tomlinson, Alan D.: *See—*
Appel, Peter W.; Bortolotti, Fabrizio; Delwel, Francois; Hornung, Fredrik; Tomlinson, Alan D.; and Willemse, Simon, 4,824,593, Cl. 252-127.000.

Tomlinson, Andrew J.: *See—*
Baines, David A.; Faulkes, Christopher G.; Tomlinson, Andrew J.; and Ning, Peter C. Y. K., 4,818,535, Cl. 424-407.000.

Tomlinson, Brett: *See—*
Ozer, Richard; DeSantis, Edward; and Tomlinson, Brett, 4,839,640, Cl. 340-825.310.

Tomlinson, Christopher J.: *See—*
Green, Howard H.; and Tomlinson, Christopher J., 4,862,351, Cl. 364-200.000.

Tomlinson, Ian: *See—*
Heller, Harry G.; Oliver, Stephen N.; Whittall, John; and Tomlinson, Ian, 4,826,977, Cl. 544-70.000.

Tomlinson, James E., to Anderson Strathclyde PLC. Inspection line pans. 4,842,128, 6-27-89, Cl. 198-735.000.

Tomlinson, John C.: *See—*
McBride, William B.; Wilson, William R., Jr.; Tomlinson, John C.; McCarthy, John A.; Kochanowsky, Eugene W.; Hendricks, Jefferson D.; and Houle, Arthur J., 4,857,921, Cl. 340-912.000.

Tomlinson, Martin, to Devon County Council, a part interest. Television sub-carrier transmission. 4,821,120, 4-11-89, Cl. 358-142.000.

Tomlinson, Martin, to Devon County Council. Noise-reduction signal processing arrangement. 4,860,317, 8-22-89, Cl. 375-58.000.

Tomlinson, Martin G., to Mound Steel Corporation. Support base system for architectural panels. 4,870,793, 10-3-89, Cl. 52-241.000.

Tomlinson, Paul R.: *See—*
Thompson, Herbert A.; Tomlinson, Paul R.; Dropps, Kevin J; and Mancini, Ronald A., 4,843,295, Cl. 318-786.000.

Tomlinson, Peter N.; Burnand, Richard P.; and Tank, Klaus. Abrasive tool. 4,821,465, 4-18-89, Cl. 51-283.00R.

Tomlinson, Peter N. Inset for a tool. 4,836,178, 6-6-89, Cl. 125-39.000.

Tomlinson, Peter N. Cutting tool for a mining machine. 4,880,278, 11-14-89, Cl. 299-79.000.

Tomlinson, Robert K., to Monier Redland Limited. Turbine mixer. 4,878,759, 11-7-89, Cl. 366-56.000.

Tomlinson, Roderick P. J.: *See—*
Halls, Neil G.; and Tomlinson, Roderick P. J., 4,882,182, Cl. 426-116.000.

Tomlinson, Roger R.; and Ahmed, Nazeer, to Hughes Aircraft Company. Apparatus for strain-free mounting of optical components. 4,806,027, 2-21-89, Cl. 384-50.000.

Tomlinson, Roger R.: *See—*
Ahmed, Nazeer; and Tomlinson, Roger R., 4,856,172, Cl. 29-434.000.

Tomlinson, Terence R.; and Czarnecki, Bogdan, to Costain Petrocarbon Limited. Separation of hydrocarbon mixtures. 4,846,863, 7-11-89, Cl. 62-24.000.

Tomljenovic, Juraj: *See—*
Boksberger, Hans-Ulrich; and Tomljenovic, Juraj, 4,860,160, Cl. 361-279.000.

Tomlonovic, Vincent J.: *See—*
Peterson, Richard L.; Johnson, James A.; and Tomlonovic, Vincent J., 4,834,189, Cl. 172-166.000.

Tomma, Kauko: *See—*
Savkkonen, Seppo; and Tomma, Kauko, 4,883,233, Cl. 242-66.000.

Tommaney, Joseph W., to Allegheny Ludlum Corporation. Apparatus for introducing gas into molten metal baths. 4,824,080, 4-25-89, Cl. 266-218.000.

Tomminen, Hannu, to Parma Oy. Slip-form casting machine for fabrication of elongated concrete products. 4,883,416, 11-28-89, Cl. 425-64.000.

Tommita, Kenichi: *See—*
Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tommita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.

Tomo, Kentaro: *See—*
Azuma, Hitoshi; and Tomo, Kentaro, 4,813,297, Cl. 74-675.000.

Tomobe, Norio; Shimamura, Haruo; Suzuki, Kozo; Taniguchi, Yutaka; and Fujiki, Yuji, to Honda Giken Kogyo Kabushiki Kaisha. Air-fuel ratio control method for an internal combustion engine. 4,886,035, 12-12-89, Cl. 123-588.000.

Tomobe, Norio: *See—*
Ave, Yoshiharu; Koseki, Junichi; Iwasaki, Hiroaki; Tomobe, Norio; and Suzuki, Kozo, 4,844,041, Cl. 123-489.000.

Tomoda, Atsuo; Kijima, Takao; Yamada, Muneharu; and Itoh, Takaaki, to Mazda Motor Corporation. Automotive four wheel steering system. 4,821,830, 4-18-89, Cl. 180-140.000.

Tomoda, Takahisa: *See—*
Takeuchi, Mikio; Nakano, Kinichiro; Mitamura, Kenichi; and Tomoda, Takahisa, 4,873,530, Cl. 343-711.000.

Tomoda, Toshimasa; Badono, Shinji; and Komaru, Masaki, to Mitsubishi Denki Kabushiki Kaisha; and Petro-Canada, Inc. Measurement apparatus employing radiation. 4,885,759, 12-5-89, Cl. 378-53.000.

Tomoda, Toshimasa: *See—*
Badono, Shinji; Komaru, Masaki; and Tomoda, Toshimasa, 4,817,122, Cl. 378-88.000.
Ozaki, Yoshihiko; Sumitani, Hiroaki; Tomoda, Toshimasa; Sato, Fumihide; and Kusano, Kenji, 4,841,489, Cl. 367-7.000.

Tomofuji, Makoto; and Yamanashi, Fumiaki, to Alps Electric Co., Ltd. Connecting structure for connecting a liquid crystal display and a flexible flat cable. 4,842,373, 6-27-89, Cl. 350-336.000.

Tomofuji, Yoshiaki: *See—*
Murakami, Azuma; Taguchi, Yoshinori; Takahashi, Kenichi; Tanaka, Takeshi; and Tomofuji, Yoshiaki, 4,832,144, Cl. 178-18.000.

Tomohiro, Susumu: *See—*
Takayama, Kenichiro; Arai, Yukoh; Tomohiro, Susumu; and Shirasuna, Shizuko, 4,849,354, Cl. 435-133.000.

Tomohisa, Kunio: *See—*
Isono, Koichi; Tomohisa, Kunio; Oka, Junichi; and Sakamoto, Takashi, 4,872,065, Cl. 358-494.000.

Tomomatsu, Hideo, to Quaker Oats Company, The. Color-changing cereals and confections. 4,853,235, 8-1-89, Cl. 426-93.000.

Tomomatsu, Hideo: *See—*
Hamano, Yukio; Tomomatsu, Hideo; Izumi, Fumiaki; and Taga, Yutaka, 4,838,125, Cl. 74-866.000.

Tomomura, Masaomi; Nogita, Shunsuke; and Someya, Kazuo, to Hitachi, Ltd. Process for purifying argon gas and apparatus used therefor. 4,816,237, 3-28-89, Cl. 423-210.000.

Tomomura, Yoshitaka: *See—*
Kitagawa, Masahiko; Tomomura, Yoshitaka; Yamaue, Satoshi; and Nakajima, Shigeo, 4,869,776, Cl. 156-610.000.

Tomonaga, Keisuke: *See—*
Fujikawa, Tetsuzo; Tomonaga, Keisuke; Tamba, Shinichi; Miyake, Hitomi; and Miyake, Hitomi, 4,862,981, Cl. 180-68.400.

Tomonari, Kyo: *See—*
Nakata, Kenji; Tomonari, Kyo; and Yamanaka, Takeo, 4,862,587, Cl. 29-867.000.

Tomono, Hiroshi: *See—*
Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.

Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, to Murata Manufacturing Co., Ltd. Laminated transformer. 4,803,453, 2-7-89, Cl. 336-183.000.

Tomono, Shigeki: *See—*
Hara, Ryuichi; Kagizaki, Masami; Takakura, Tsuyoshi; and Tomono, Shigeki, 4,818,612, Cl. 428-367.000.

Tomono, Syoji: *See—*
Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.

Tomordi, Elemer: *See—*
Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Szeptei, Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.

Tomori, Yasumasa; and Sekiguchi, Tetsuo, to Asahi Kogaku Kogyo Kabushiki Kaisha. One-hand zoom lens barrel. 4,822,153, 4-18-89, Cl. 350-429.000.

Tomosada, Kenji; Kondo, Toshiro; Yamamoto, Tadanobu; and Hashino, Hiroshi, to Mazda Motor Corporation. Front wheel suspension stabilizer mounting structure. 4,875,704, 10-24-89, Cl. 280-695.000.

Tomosada, Masahiro; Ogawa, Hiroshi; Tohyama, Yoshikuni; Adachi, Hideki; Suzuki, Tadashi; and Ohki, Naoyuki, to Canon Kabushiki Kaisha. Electrophotographic apparatus for making superposed images. 4,803,520, 2-7-89, Cl. 355-7.000.

Tomosada, Masahiro: *See—*
Inuzuka, Tsuneki; Maeshima, Katsuyoshi; and Tomosada, Masahiro, 4,839,698, Cl. 355-243.000.
Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
Shimizu, Katsuichi; Sawamura, Osamu; Masuda, Shunichi; Tomosada, Masahiro; and Sakamaki, Hisashi, 4,816,868, Cl. 355-14.00C.
Yoshida, Nobutoshi; Miyke, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,862,219, Cl. 355-202.000.
Yoshida, Nobutoshi; Miyake, Nobuyuki; Takagi, Atsushi; Saito, Takashi; Suzuki, Tadashi; Ohki, Naoyuki; Tomosada, Masahiro; Adachi, Hideki; and Takeda, Hiroaki, 4,870,447, Cl. 355-204.000.

Tomosada, Tsuyoshi: *See—*
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Tomoshige, Shozo; Obara, Hideto; Kondo, Kozo; Otomura, Keiichiro; and Yano, Soichiro, to Doryokuro Kakunenryo Kaihatsu Jigyodan. Process for producing uranium oxides. 4,832,924, 5-23-89, Cl. 423-7.000.

Tomoshige, Toru: *See—*
Tominaga, Kaoru; Kan, Kojiro; Takata, Toshimasa; and Tomoshige, Toru, 4,885,329, Cl. 524-430.000.

Tomosky, Nancy: *See—*
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Tomosky, Thomas K.; and Tomosky, Nancy. Self-supporting infant jumper device. 4,844,452, 7-4-89, Cl. 272-85.000.

Tomotaki, Yoshihisa: *See—*
Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.

Tomoyori, Makoto; and Murata, Shinji, to Alps Electric Co., Ltd. Led array head. 4,805,982, 2-21-89, Cl. 350-96.240.

Tomoyori, Makoto; and Murata, Shinji, to Alps Electric Co., Ltd. Led array head. 4,805,983, 2-21-89, Cl. 350-96.240.
Tomoyori, Makoto; and Hatanaka, Sunao, to Alps Electric Co., Ltd. Fixing device. 4,806,969, 2-21-89, Cl. 355-3.0FU.
Tomoyori, Makoto; and Hatanaka, Sunao, to Alps Electric Co., Ltd. Printer. 4,806,972, 2-21-89, Cl. 355-4.000.
Tomoyuki, Yoji: *See—*
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Tomozawa, Kikuo: *See—*
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Tompane, Richard B., to Mirus Corporation. Electroluminescent line scanner with moveable filter. 4,868,677, 9-19-89, Cl. 358-302.000.
Tompe, Karl: *See—*
Bunz, Rosa; Dzionara, Christine; and Tompe, Karl, 4,871,101, Cl. 224-153.000.
Tompkins, E. Neal: *See—*
Barry, Michael W.; Tompkins, E. Neal; and Zuber, Peter, 4,839,722, Cl. 358-80.000.
Slayton, Danny L.; Tompkins, E. Neal; Lal., Khosrow; and Palm, Charles S., 4,848,267, Cl. 118-653.000.
Tompkins, E. Neil; Arends, Thomas C.; and Barry, Michael W., to Datapoint Corporation. Video conferencing network. 4,847,829, 7-11-89, Cl. 370-62.000.
Tompkins, John C.; and Cook, Charles E. Cordless battery charger. 4,857,820, 8-15-89, Cl. 320-2.000.
Tompkins, Robert E.: *See—*
Kaste, Robert P.; and Tompkins, Robert E., 4,845,995, Cl. 73-794.000.
Tompkins, Rodney R.: *See—*
Shockey, Brent J.; and Tompkins, Rodney R., 4,884,514, Cl. 109-24.100.
Tompson, Gerhard R.: *See—*
Pruett, David R.; Goertzel, Gerald; and Tompson, Gerhard R., 4,837,845, Cl. 382-46.000.
Tompson, Warren L.: *See—*
Hoehn, Kevin W.; and Tompson, Warren L., 4,809,786, Cl. 172-316.000.
Toms, Douglas: *See—*
Kolodesh, Michael S.; Toms, Douglas; and Pierson, Bruce A., 4,873,106, Cl. 426-481.000.
Kolodesh, Michael S.; Cash, Walter, Jr.; Davis, Jerry E.; Gosselin, Peter G.; Kock, Ronald W.; Pierson, Bruce A.; Reiboldt, H. Norman; Sabatelli, David A.; and Toms, Douglas, 4,885,182, Cl. 426-482.000.
Toms, Ray A., to L'Oreal. Locking system for pump dispenser. 4,889,262, 12-26-89, Cl. 222-153.000.
Tomskikh, Sergei F.: *See—*
Arbeniev, Alexandr S.; Ignatiev, Alexandr A.; Zhilin, Vitaly A.; Melnikov, Alexandr S.; and Tomskikh, Sergei F., 4,872,760, Cl. 366-7.000.
Tomsky Gosudarstvenny Meditsinsky Institut: *See—*
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Tomsky Gosudarstvenny Universitet IM. Kuibysheva: *See—*
Tjulkov, Gennady I.; Alperovich, Boris I.; Paramonova, Ljutsia M.; Soloviev, Valery I.; and Paramonov, Alexandr I., 4,832,022, Cl. 128-303.100.
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Anthony, Jean M., 4,815,661, Cl. 239-102.200.
Tomura, Katsumi: *See—*
Nakai, Masayuki; Uesugi, Kenji; and Tomura, Katsumi, 4,849,021, Cl. 106-472.000.
Tomura, Shinya; Okuyama, Tetsuo; Saito, Mitsunaga; and Uehara, Tsutomu, to Kabushiki Kaisha Toshiba. Developing method using one-component non-magnetic toner with positive frictional charge. 4,833,059, 5-23-89, Cl. 430-120.000.
Tomuro, Jinichi: *See—*
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Tomy, Inc.: *See—*
Kawaguchi, Kozo, 4,849,032, Cl. 148-11.50R.
Tomy Kogyo Co., Inc.: *See—*
Fujimaki, Hiroaki, 4,867,726, Cl. 446-175.000.
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Hirose, Tomiyuki; and Shimizu, Hiroyuki, 4,856,777, Cl. 273-1.0GA.
Kakizaki, Katsumi, 4,861,308, Cl. 446-129.000.
Konta, Ikuo, 4,832,649, Cl. 446-135.000.
Matsuyama, Yasushi; and Sasagawa, Koichi, 4,813,906, Cl. 446-457.000.
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Mitamura, Isao; and Otaka, Hitoshi, 4,864,607, Cl. 379-388.000.
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Ohashi, Michiya, 4,858,079, Cl. 362-35.000.
Sato, Akihiro; and Yamaguchi, Hidehiko, 4,850,930, Cl. 446-175.000.
Tonokura, Masayuki, 4,863,170, Cl. 273-126.00R.
Tsumita, Mitsuyo; and Yamane, Yuji, 4,842,502, Cl. 425-9.000.
Yamaguchi, Hidehiko; Minami, Kouich; and Kobayashi, Nobuo, 4,813,905, Cl. 446-438.000.
Yamaguchi, Hidehiko; Minami, Kouichi; and Kobayashi, Nobuo, 4,878,873, Cl. 446-321.000.
Yamane, Yuji; and Nishikawa, Hideya, 4,878,869, Cl. 446-130.000.
Ton Li Enterprises Co., Ltd.: *See—*
Lee, Yu, 4,815,391, Cl. 108-7.000.
Tonari, Takashi; and Ikeda, Yasuhiko, to Nippon Steel Chemical Co., Ltd. Method for recovery of a phenolic polymerization inhibito 4,863,587, 9-5-89, Cl. 208-263.000.
Toncelli, Dario. Conveyor belt with projections inclined in the opposite direction. 4,889,227, 12-26-89, Cl. 198-699.100.
Toncelli, Marcello. Process for the preparation of an iron armature for use with slabs or reinforced articles from an agglomerate of siliceous sand, marble, granite or, in general, stone. 4,871,586, 10-3-89, Cl. 427-204.000.
Tondello, Giuseppe; and Vincenzi, Maurizio. Method and apparatus for particulate matter detection. 4,804,273, 2-14-89, Cl. 356-427.000.
Tondini, Claudio, to Tomecanic. Vibrating machine for effecting tiling 4,802,790, 2-7-89, Cl. 404-132.000.
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Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohata, Yousuke; and Hiraoka, Hiroshi, 4,851,873, Cl. 355-245.000.
Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, 4,860,053, Cl. 355-245.000.
Tone, Junsuke: *See—*
Cullen, Walter P.; Hauske, James R.; Maeda, Hiroshi; and Tone, Junsuke, 4,835,141, Cl. 514-30.000.
Tone, Junsukse: *See—*
Jefson, Martin R.; Kaneda, Jeiji; Nishiyama, Satoshi; and Tone, Junsukse, 4,847,245, Cl. 514-54.000.
Tone, Masayuki: *See—*
Fukukita, Hiroshi; Ueno, Shinichiro; Tone, Masayuki; and Yano, Tsutomu, 4,817,615, Cl. 128-660.020.
Tone, Richard, to Hoyt/Easton Archery Co., Inc. Method and apparatus for releasing the tension on the bowstring and buss cables of a compound archery bow. 4,846,142, 7-11-89, Cl. 124-90.000.
Tone, Shoichi, to Murata Kikai Kabushiki Kaisha. Winding controlling method for an automatic winder. 4,854,515, 8-8-89, Cl. 242-36.000.
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Kawarabashi, Tsukasa; Tone, Shoichi; and Otoshima, Hiro 4,848,077, Cl. 57-281.000.
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Tone, Youichi, to Kabushiki Kaisha Toshiba. Turbine control device. 4,798,513, 1-17-89, Cl. 415-17.000.
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Saito, Haruo; Kranz, David M.; Eisen, Herman N.; and Tonegawa, Susumu, 4,874,845, Cl. 530-395.000.
Tonel, Valerio; and Mattiuzzo, Mario, to Nordica S.p.A. Ski boot. 4,809,448, 3-7-89, Cl. 36-120.000.
Tonel, Valerio: *See—*
Sartor, Mariano; and Tonel, Valerio, 4,882,857, Cl. 36-120.000.
Tonelli, Claudio: *See—*
Bargigia, Gianangelo; Caporiccio, Gerardo; Tonelli, Claudio; and Flabbi, Luciano, 4,806,662, Cl. 549-511.000.
Caporiccio, Gerardo; Bargigia, Gianangelo; Tonelli, Claudio; and Tortelli, Vito, 4,833,274, Cl. 570-137.000.
Re, Alberto; Tonelli, Claudio; and Tortelli, Vito, 4,851,485, Cl. 525-504.000.
Tonen Sekiyukagaki Kabushiki Kaisha: *See—*
Matsumura, Tooru, 4,857,230, Cl. 252-400.240.
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,867,671, Cl. 425-391.000.
Tonen Sekiyukagaku Kabushiki Kaisha: *See—*
Ichikawa, Shinichi; Yoshida, Unkichi; Matsushima, Yoshihisa; and Hashimoto, Hisatake, 4,839,029, Cl. 208-251.00R.
Kagawa, Seiji, 4,824,499, Cl. 156-85.000.
Kagawa, Seiji, 4,878,974, Cl. 156-85.000.
Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, 4,801,651, Cl. 525-195.000.
Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,824,502, Cl. 156-195.000.
Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.
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Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,867,671, Cl. 425-391.000.
Toner, John L.; Murray, Bruce J.; Babb, Bruce E.; and Sundberg, Michael W., to Eastman Kodak Company. Calcium complexing dyes and their use in analytical compositions, elements and methods. 4,795,712, 1-3-89, Cl. 436-74.000.
Toner, John L., to Eastman Kodak Company. Polypyridine Fluorescent labels for immunoassay. 4,837,169, 6-6-89, Cl. 436-546.000.
Toner, John L., to Eastman Kodak Company. Terpyridine chelating agents. 4,859,777, 8-22-89, Cl. 546-256.000.
Toner, John L.: *See—*
Hinshaw, Jerald C.; Toner, John L.; and Reynolds, George A., 4,801,722, Cl. 549-211.000.
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Toner, Thomas J.; and Doolin, Leonard J., to United Technologies Corporation. Composite helicopter rotor hub. 4,818,179, 4-4-89, Cl. 416-134.00A.
Toney, Michael F.: *See—*
Howard, James K.; Toney, Michael F.; and Tsang, Ching H., 4,809,109, Cl. 360-113.000.
Toney, William L. Stringed instrument and tremolo apparatus. 4,864,909, 9-12-89, Cl. 84-313.000.
Tong, Curtis M.: *See—*
DeVellis, Robert; Schroeder, Lawrence R.; Paalman, H. Hunter; Tong, Curtis M.; Caskey, Terrence L.; and Martin, Charles W., 4,846,977, Cl. 210-640.000.
Tong, David A. Direction finding equipment. 4,809,012, 2-28-89, Cl. 343-853.000.
Tong, Duncan, to Duncan Products Limited. Aquatic toys. 4,832,650, 5-23-89, Cl. 446-156.000.
Tong-Fong Brush Factory Co., Ltd.: *See—*
Fong, James C., 4,797,966, Cl. 15-186.000.
Tong, George L.: *See—*
Acton, Edward M.; and Tong, George L., 4,826,964, Cl. 536-6.400.
Tong, Hua Sou, to Zenith Electronics Corporation. Blackening of non iron-based flat tensioned foil shadow masks. 4,885,501, 12-5-89, Cl. 313-402.000.
Tong, Hua Sou: *See—*
Livshultz, Michael; and Tong, Hua Scu, 4,854,906, Cl. 445-37.000.
Tong, Joy: *See—*
Pulichino, John V., Jr.; and Tong, Joy, 4,854,431, Cl. 190-108.000.
Tong, Keging: *See—*
Fang, Hongsheng; Zhao, Rufa; Zheng, Yankang; Chen, Ziuyun; He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keging, 4,812,182, Cl. 148-330.000.
Tong, Kun-Yuan. Exercise air pump. 4,832,335, 5-23-89, Cl. 272-130.000.
Tong Lung Metal Industry Co., Ltd.: *See—*
Lin, San-I; and Kuo, Ching-Chuan, 4,831,687, Cl. 16-49.000.
Tong, Minh H.: *See—*
Helwig, Klaus; Lohlein, Wolfdieter; and Tong, Minh H., 4,811,298, Cl. 365-200.000.
Tong, Po, to Cyclotomics, Inc. Multiple error trapping. 4,843,607, 6-27-89, Cl. 371-37.000.
Tong, Po, to Cyclotomics, Inc. Compact galois field multiplier. 4,847,801, 7-11-89, Cl. 364-746.100.
Tong, Sun D.: *See—*
Hsu, Li-Chien; and Tong, Sun D., 4,871,357, Cl. 604-266.000.
Tong, Wen H.: *See—*
Moore, Eugene R.; and Tong, Wen H., 4,822,856, Cl. 525-197.000.
Tongaat-Hulett Group Limited, The: *See—*
Radford, David J., 4,875,940, Cl. 127-2.000.
Rein, Peter W., 4,816,076, Cl. 127-16.000.
Tongu, Shinji, to Yazaki Corporation. Air-cooled absorption type cooling/heating water generating apparatus. 4,872,319, 10-10-89, Cl. 62-141.000.
Tongue Lock, Inc.: *See—*
Russell, Richard L., 4,848,712, Cl. 248-155.200.
Tonhauser, Johann: *See—*
Hoffmann, Manfred; Tonhauser, Johann; and Karg, Dieter, 4,825,974, Cl. 181-290.000.
Toni, Darryl; and Poss, Eliasz, to United Technologies Corporation. Electrical continuity means for composite joints. 4,888,451, 12-19-89, Cl. 174-94.00R.
Tonka Corporation: *See—*
Gerold, Gregory L.; and Dickerhoof, Bruce W., 4,842,564, Cl. 446-297.000.
Moormann, Randall H., 4,887,812, Cl. 273-1.50R.
Tonkel, Raymond F., to Kangaroos U.S.A., Inc. Cushioning and impact absorptive means for footwear operative component. 4,805,319, 2-21-89, Cl. 36-28.000.
Tonkel, Raymond F., to Kangaroos U.S.A., Inc. Reversible shoe tongue. 4,805,321, 2-21-89, Cl. 36-54.000.
Tonna, Arthur J., to Stroh Brewery Company, The. Method and apparatus of brewing. 4,801,462, 1-31-89, Cl. 426-16.000.
Tonna-DeMasi, Maria: *See—*
Wisniewski, Henryk M.; Kascsak, Richard J.; Rubenstein, Richard; Merz, Patricia A.; and Tonna-DeMasi, Maria, 4,806,627, Cl. 530-387.000.
Tonnel, Eugene; and Thomas, Gilles, to SGS-Thomson Microelectronics S.A. Power MOS transistor structure. 4,890,142, 12-26-89, Cl. 357-23.400.
Tonnerre, Bernard: *See—*
Wagnon, Jean; Plouzane, Claude; Tonnerre, Bernard; and Nisato, Dino, 4,806,655, Cl. 548-455.000.
Tonnies, Bernd. Method of stunning animals for slaughter. 4,829,635, 5-16-89, Cl. 17-45.000.
Tonning, Andreas: *See—*
Gjessing, Dag K. T.; Hjelmstad, Jens F.; and Tonning, Andreas, 4,843,597, Cl. 367-15.000.
Tono, Hideo: *See—*
Iwasaki, Kazuhito; Tono, Hideo; and Omatoi, Susumu, 4,814,666, Cl. 313-468.000.
Tonoe, Nobuyuki; and Yoshikawa, Hirokazu, to Honda Giken Kogyo Kabushiki Kaisha. Cross member structure for automobile. 4,805,522, 2-21-89, Cl. 98-2.070.
Tonogai, Mitsuyasu, to Tsubakimoto Precision Products Co., Ltd. Linear motion ball bearing. 4,869,600, 9-26-89, Cl. 384-43.000.
Tonokawa, Hiroshi: *See—*
Nakamura, Masao; and Tonokawa, Hiroshi, 4,878,520, Cl. 138-149.000.
Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, to Hitachi Chemical Co., Ltd. Method for pressure lamination utilizing fluid medium with partial solidification thereof for sealing pressure chamber. 4,824,509, 4-25-89, Cl. 156-285.000.
Tonokowa, Hiroshi; Ekker, Emil; and Smith, Hubert S., to Dow Chemical Company, The. Insulation of vessels having curved surfaces. 4,823,981, 4-25-89, Cl. 220-414.000.
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Tonokura, Masayuki, to Tomy Kogyo Co., Inc. Board game having multiple playing surfaces. 4,863,170, 9-5-89, Cl. 273-126.00R.
Tonomura, Motonobu, to Hitachi, Ltd. Information processing system having smart memories. 4,823,257, 4-18-89, Cl. 364-200.000.
Tonon, Giancarlo: *See—*
Giani, Roberto P.; Parini, Ettore; Tonon, Giancarlo; and Borsa, Massimiliano, 4,841,046, Cl. 540-495.000.
Giani, Roberto P.; Malandrino, Salvatore; and Tonon, Giancarlo, 4,849,422, Cl. 514-252.000.
Tonooka, Takashi, to Texas Instruments Incorporated. I.C. socket having conductive plastic contacts. 4,838,799, 6-13-89, Cl. 439-70.000.
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Tonooka, Takashi, to Texas Instruments Incorporated. Test socket incorporating circuit elements. 4,883,428, 11-28-89, Cl. 439-69.000.
Tonshoff, Hans K.; Grabher, Thomas; Gosebruch, Harald; and Jendryschik, Jurgen, to Ernst Winter & Sohn (GmbH & Co.). Method of and arrangement for dressing grinding wheels. 4,799,472, 1-24-89, Cl. 125-11.00R.
Tonsor, Andrew J.; Nelson, David E.; Gee, James E.; and Stevens, Samuel B., to Caterpillar Inc. Track roller frame assembly. 4,836,318, 6-6-89, Cl. 180-9.500.
Tonsor, Andrew J., to Caterpillar Inc. Tensioning and recoil system for a tracked vehicle. 4,881,786, 11-21-89, Cl. 305-10.000.
Tonsor, Andrew J.: *See—*
Price, Robert J.; Gee, James E.; Tonsor, Andrew J.; Satzler, Ronald L.; and Stevens, Samuel B., 4,838,373, Cl. 180-9.460.
Stevens, Samuel B.; Gee, James E.; and Tonsor, Andrew J., 4,834,478, Cl. 305-21.000.
Toobe, Werner: *See—*
Woidich, Richard; and Toobe, Werner, 4,854,260, Cl. 114-316.000.
Toogood, Paul. Automatic worm hooker. 4,848,019, 7-18-89, Cl. 43-4.000.
Tooko, Yoshio: *See—*
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Toole, John J., Jr., to Genetics Institute, Inc. Novel procoagulant proteins. 4,868,112, 9-19-89, Cl. 435-68.000.
Toole, Patrick A.: *See—*
Gazdik, Charles E.; McBride, Donald G.; Seraphim, Donald P.; and Toole, Patrick A., 4,855,867, Cl. 361-306.000.
Toop, Gerald W.: *See—*
Dunlop, John A.; Milner, Edward F. G.; Smyth, Robert W.; and Toop, Gerald W., 4,887,492, Cl. 75-77.000.
Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., 4,820,340, Cl. 75-24.000.
Toor, John W.: *See—*
Sacherman, James E.; and Toor, John W., 4,817,284, Cl. 30-329.000.
Urwyler, Peter R.; Toor, John W.; and Sacherman, James E., 4,848,201, Cl. 83-261.000.
Toot, William W. Remote grasping device. 4,827,956, 5-9-89, Cl. 135-66.000.
Tootell, Terence S.; Wilson, Keith G.; and Shoptaw, David R., to Hydro-Craft, Inc. Electronic flowmeter system and method. 4,885,943, 12-12-89, Cl. 73-861.770.
Tooth, Arthur C., to Flexello Castors & Wheels PLC. Expander device. 4,805,260, 2-21-89, Cl. 16-37.000.
Toothill, Richard B.; Klothen, Irving; and Schaaf, Mimi Y., to American Cyanamid Company. Method for the preparation of feed premix in compositions of maduramicin. 4,816,480, 3-28-89, Cl. 514-460.000.
Tootle, James N., to Pneumo Corporation. Fluid actuators with LVDT feedback mechanisms. 4,841,844, 6-27-89, Cl. 92-5.00R.
Tootle, James N., to Pneumo Abex Corporation. Fluid actuator including a ballistically tolerant rod gland bearing. 4,884,493, 12-5-89, Cl. 92-128.000.
Tootsie Roll Industries, Incorporated: *See—*
Schneider, Wesley C., 4,809,847, Cl. 206-45.310.
Top Kogyo Co., Ltd.: *See—*
Sakai, Yuichi, 4,882,959, Cl. 81-416.000.

- Top Laboratories, Inc.: *See*—
  - Amer, Moh. S., 4,866,046, Cl. 514-159.000.
- Topaz Development Corp.: *See*—
  - Cunningham, William J., 4,858,314, Cl. 30-90.000.
- Topcik, Barry, to Union Carbide Corporation. Elastomer polyolefin blends. 4,798,864, 1-17-89, Cl. 525-71.000.
- Topcik, Barry, to Union Carbide Corporation. Tree resistant compositions. 4,812,505, 3-14-89, Cl. 524-377.000.
- Topcik, Barry; and Barnabeo, Austin E., to Union Carbide Corporation. Process of producing foamed products. 4,867,923, 9-19-89, Cl. 264-54.000.
- Topcik, Barry, to Union Carbide Chemicals and Plastics Company Inc. Process for extruding a thermoplastic copolymer. 4,873,042, 10-10-89, Cl. 264-211.240.
- Topfer, Claus: *See*—
  - Matthias, Klaus; Baumann, Karl-Heinz; Schick, Gerald; Disson, Arno; Molier, Hermann; Seel, Holger; Topfer, Claus; Nerger, Uwe; Thiele, Peter; and Fleisch, Eugen, 4,840,398, Cl. 280-756.000.
- Topfer, Lothar: *See*—
  - Waschke, Christine; Topfer, Lothar; and Rath, Alfred, 4,875,477, Cl. 128-206.210.
- Topfl, Rosemarie; and Binz, Jorg, to Ciba-Geigy Corporation. Process for the aftertreatment of dyed cellulose fibers. 4,822,374, 4-18-89, Cl. 8-554.000.
- Topfl, Werner; and Pissiotas, Georg, to Ciba-Geigy Corporation. Herbicidal sulfonylureas. 4,833,252, 5-23-89, Cl. 548-186.000.
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  - Gass, Karl; Fory, Werner; Meyer, Willy; and Topfl, Werner, 4,835,311, Cl. 564-86.000.
- Topfmeier, Fritz; and Lettenbauer, Gustav, to Boehringer Mannheim GmbH. Pharmaceutical composition containing a stable modification of torasemide. 4,822,807, 4-18-89, Cl. 514-347.000.
- Topfmeier, Fritz: *See*—
  - Batz, Hans-Georg; Herrmann, Rupert; Topfmeier, Fritz; and Schlumberger, Helmut, 4,845,030, Cl. 435-28.000.
- Topham, Susan A., to Imperial Chemical Industries PLC. Catalyst. 4,797,383, 1-10-89, Cl. 502-338.000.
- Topholm, Jan, to Topholm & Westermann ApS. Process for manufacturing an in-the-ear canal hearing aid. 4,800,636, 1-31-89, Cl. 29-169.500.
- Topholm & Westermann ApS: *See*—
  - Topholm, Jan, 4,800,636, Cl. 29-169.500.
- Topic, Michael W.; and Connolly, Wayne P., to Fairlight Instruments Pty. Limited. Detection of musical gestures. 4,825,872, 5-16-89, Cl. 84-453.000.
- Topicarn, Inc.: *See*—
  - Winter, Susan C.; and Szabo-Aczel, Stefan, 4,839,159, Cl. 424-59.000.
- Topilin, Valentin V., deceased: *See*—
  - Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
- Topilina, Tatyana V., administrator: *See*—
  - Paton, Boris E.; Latash, Jury V.; Torkhov, Gennady F.; Reida, Nikolai V.; Bukalo, Alfred I.; Kedrin, Vladimir K.; Melnik, Gary A.; Pryanishnikov, Igor S.; Tolstopyatov, Konstantin S.; Tager, Lev R.; Kljuev, Mikhail M.; Modelkin, Jury I.; Sokolkin, Boris P.; Andrianov, Alexei K.; Topilin, Valentin V., deceased; Topilina, Tatyana V., administrator; Guschin, Sergei G., deceased; Guschina, Alevtina V., administrator; Korobkova, Ljudmila S., administrator; and Kuznetsova, Tatyana S., administrator, 4,884,625, Cl. 164-495.000.
- Topliss, Robert J.; Brockmeier, Norman F.; and Lindahl, Harold A., to Amoco Corporation. Advanced control strategies for melt flow rate and reactor concentration in the polypropylene slurry process. 4,888,704, 12-19-89, Cl. 364-500.000.
- Topolewski, John: *See*—
  - Meyer, Kerry L.; and Topolewski, John, 4,833,404, Cl. 324-158.00P.
- Topolewski, John N.: *See*—
  - Roy, Dhirendra C.; and Topolewski, John N., 4,847,733, Cl. 361-427.000.
- Topolski, Alvin S.: *See*—
  - Strum, William L.; and Topolski, Alvin S., 4,824,618, Cl. 264-37.000.
- Toppan Moore Company, Inc.: *See*—
  - Watanabe, Hiroshi, 4,829,169, Cl. 235-492.000.
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  - Mochizuki, Seiji; and Kato, Fumiyasu, 4,875,633, Cl. 242-58.300.
  - Watanabe, Hiroshi, 4,797,543, Cl. 235-492.000.
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  - Watanabe, Hiroshi; and Okubo, Yoshihide, 4,849,614, Cl. 235-379.000.
- Toppan Printing Co., Ltd.: *See*—
  - Fukuyoshi, Kenzo, 4,853,296, Cl. 428-623.000.
  - Haneda, Akio, 4,846,556, Cl. 350-317.000.
  - Kato, Takeo; Yamamoto, Hideki; and Miyazaki, Naoki, 4,857,393, Cl. 428-289.000.
  - Kumagami, Naoki; Nakagawa, Yoshihiro; Yuzawa, Atsushi; Hirose, Kiichiro; Sato, Yukie; and Shiosaka, Akihiro, 4,822,967, Cl. 219-10.55F.
  - Nakagawa, Yoshihiro; Tomatsuri, Takeo; Ozaki, Ikuo; Hirose, Kiichiro; Sato, Yukie; and Ohzeki, Tamami, 4,808,782, Cl. 219-10.55M.
  - Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.
  - Takeuchi, Hikaru; Yoshida, Masato; and Nemoto, Shiro, 4,865,913, Cl. 428-321.300.
  - Tsukahara, Yusuke; Masuda, Hiroshi; Yamaguchi, Mikio; and Tanabe, Masao, 4,827,516, Cl. 381-36.000.
  - Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, 4,816,903, Cl. 358-76.000.
  - Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, 4,882,622, Cl. 358-80.000.
- Toppan Printing Co., Ltd. & Meet Corp.: *See*—
  - Abiko, Kenji; Watanabe, Yoshio; Anzai, Noboru; and Takahashi, Kenichi, 4,826,025, Cl. 215-32.0SM.
- Topper, Robert J.; and Dischert, Lee R., to Matsushita Electric Industrial Co., Ltd. Detection and concealing artifacts in combed video signals. 4,814,863, 3-21-89, Cl. 358-31.000.
- Topper, Robert J.; and Dischert, Lee R., to Matsushita Electric Industrial Co., Ltd. Three dimensional non-adaptive decoder for a PAL color television composite signal. 4,833,526, 5-23-89, Cl. 358-21.000.
- Topper, Robert J.: *See*—
  - Dischert, Lee R.; and Topper, Robert J., 4,797,731, Cl. 358-17.000.
  - Dischert, Lee R.; and Topper, Robert J., 4,845,546, Cl. 358-27.000.
- Toppert, Larry A.: *See*—
  - Hansen, Harold V.; and Toppert, Larry A., 4,867,877, Cl. 210-257.100.
- Topping, Irene M. Picture support. 4,870,766, 10-3-89, Cl. 40-154.000.
- Topre Corporation: *See*—
  - Hagiwara, Yoshihiko; and Ooshima, Katsumi, 4,800,774, Cl. 74-512.000.
  - Isoda, Noriyuki; and Okamoto, Yuji, 4,878,056, Cl. 341-26.000.
  - Nagashima, Takao, 4,851,626, Cl. 200-513.000.
  - Takahashi, Motoshi; Henmi, Kazuya; Chiba, Hiroshi; and Maegaki, Yasunobu, 4,807,145, Cl. 364-474.170.
- Topworks, Inc.: *See*—
  - Leinen, Chris M., 4,819,543, Cl. 91-363.00R.
- Topy Industries, Ltd.: *See*—
  - Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
- Topy Kogyo Kabushiki Kaisha: *See*—
  - Arai, Seizou; Fukumoto, Kikuo; Sunaga, Seizo; and Izumida, Kouji, 4,823,733, Cl. 118-630.000.
  - Hirata, Hisao; Yokomizo, Shojiro; Mitsuhori, Hirokazu; and Murano, Tadao, 4,821,865, Cl. 198-368.000.
  - Imamura, Tadashi; Shigaki, Kazuyuki; Yamazaki, Yuji; Masuda, Tadashi; and Okumura, Tsunemasa, 4,861,113, Cl. 301-65.000.
  - Itou, Susumu; Shinozawa, Yusaku; and Nakamura, Tsunoru, 4,848,125, Cl. 72-105.000.
  - Murano, Tadao; Hirata, Hisao; Hayakawa, Toshimitsu; and Saito, Takeshi, 4,841,622, Cl. 29-525.000.
  - Okumura, Tsunemasa; and Kobayashi, Shunji, 4,821,388, Cl. 29-159.010.
  - Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 72-31.000.
  - Shinozawa, Yusaku; and Sugiura, Shin, 4,821,558, Cl. 72-107.000.
  - Shinozawa, Yusaku; Takahashi, Minoru; and Nakamura, Tsunoru, 4,825,675, Cl. 72-105.000.
  - Shinozawa, Yusaku; and Sugiura, Shin, 4,854,201, Cl. 83-140.000.
- Torabi, Mohammad T. Double-hung closure for access openings. 4,813,181, 3-21-89, Cl. 49-193.000.
- Toraichi, Kazuo: *See*—
  - Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
- Toral, Jose; and Lutz, Gottfried, to Agfa-Gevaert Aktiengesellschaft. Apparatus for winding a recording carrier onto a pair of spools. 4,811,911, 3-14-89, Cl. 242-56.00R.
- Toral, Jose, to AGFA-Gevaert Aktiengesellschaft. Apparatus for taking up and depositing spools. 4,861,086, 8-29-89, Cl. 294-88.000.
- Toral, Jose; and Lutz, Gottfried, to Agfa-Gevaert Aktiengesellschaft. Magnetic tape cassette. 4,869,440, 9-26-89, Cl. 242-199.000.
- Toral, Jose: *See*—
  - Birkmann, Josef; and Toral, Jose, 4,805,848, Cl. 242-68.700.
  - Thiele, Hartmut; and Toral, Jose, 4,887,178, Cl. 206-391.000.
- Toramoto, Hisao; and Yagi, Tadashi, to Hosiden Electronics Co., Ltd. Pin plug connector. 4,859,197, 8-22-89, Cl. 439-675.000.
- Torao, Akira: *See*—
  - Kusaba, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.
- Toratani, Hisayoshi: *See*—
  - Lee, Huai-Chuan; Toratani, Hisayoshi; and Meissner, Helmuth E., 4,883,523, Cl. 65-30.140.
- Toray Industries: *See*—
  - Ando, Katsutoshi; and Ogawa, Yo, 4,874,659, Cl. 428-221.000.
  - Hasegawa, Katsumi; Ohno, Michio; and Kadotsuji, Akira, 4,852,819, Cl. 242-18.00R.
  - Hasegawa, Katsumi; Ohno, Michio; Saito, Isoo; and Fujioka, Kotaro, 4,863,662, Cl. 264-130.000.

  - Itoh, Nobuaki; Kobayashi, Hiroaki; and Mizouchi, Masanori, 4,849,287, Cl. 428-337.000.
  - Karasawa, Hiroo; Kometani, Kiichi; and Okita, Kiyomi, 4,879,328, Cl. 524-109.000.
  - Kobayashi, Hirokazu; and Kishimoto, Akihiko, 4,889,893, Cl. 525-189.000.
  - Ohno, Kiyotaka; Takahashi, Toshiya; and Nishio, Shintaro, 4,880,939, Cl. 549-458.000.
  - Suzuki, Motoyuki; and Deguchi, Yukichi, 4,882,653, Cl. 361-323.000.
- Toray Industries, Inc.: *See*—
  - Amano, Jiro; Shimada, Masato; Takano, Kouzou; and Tohyama, Shunroku, 4,803,116, Cl. 428-286.000.
  - Aoki, Takao; and Kawabe, Norio, 4,814,132, Cl. 264-165.000.
  - Aya, Toshihiko; and Kadoi, Sho, 4,831,104, Cl. 528-184.000.
  - Fujikawa, Junichi, 4,828,963, Cl. 430-285.000.
  - Fukuda, Tadanori; Sakamoto, Sadayuki; and Saito, Masami, 4,812,032, Cl. 351-159.000.
  - Gotoh, Tetsuya; Kondoh, Tosiyuki; and Aoyagi, Mutsuo, 4,816,386, Cl. 430-495.000.
  - Hiramatsu, Tohru; Higuchi, Tomitake; and Nishimura, Akira, 4,850,186, Cl. 57-236.000.
  - Inouye, Yoshinori; Osawa, Yoshihiko; and Ueda, Minoru, 4,858,528, Cl. 101-175.000.
  - Itoyama, Kuniyoshi; Horita, Norihiro; Seki, Shigemi; and Minami, Satoyuki, 4,798,875, Cl. 525-444.000.
  - Iwayama, Kazuyoshi; Magatani, Yasuhiro; and Tsuda, Kuniyuki, 4,861,928, Cl. 570-202.000.
  - Kataoka, Hiroshi; Kunitomo, Tetsunosuke; and Kobayashi, Takuichi, 4,834,882, Cl. 210-321.600.
  - Kataoka, Mutsuo; and Tokunaga, Atuto, 4,800,151, Cl. 430-270.000.
  - Kitamura, Hiroshi; and Yamagata, Seiichi, 4,798,748, Cl. 428-15.000.
  - Kobayashi, Hiroaki; and Deguchi, Yukichi, 4,831,112, Cl. 528-388.000.
  - Kondo, Tsuneyuki; and Sato, Yasuhiro, 4,818,657, Cl. 430-114.000.
  - Miwa, Kishio; Shimizu, Kazuharu; and Fukui, Hiroaki, 4,851,304, Cl. 429-40.000.
  - Miyata, Satoru; Fukuda, Hiromi; and Imamura, Shinzo, 4,824,964, Cl. 548-490.000.
  - Mori, Yoichi; Abiko, Shigeo; Tsuda, Mikio; and Ichijo, Chikara, 4,853,313, Cl. 430-156.000.
  - Ohno, Kiyotaka; Nagase, Hiroshi; Ishikawa, Mamoru; Matsumoto, Kazuhisa; and Nishio, Shintaro, 4,822,804, Cl. 514-337.000.
  - Oka, Tetsuo; Hayashi, Kenji; Akamatsu, Takayoshi; and Horiuchi, Satoshi, 4,888,211, Cl. 427-130.000.
  - Okada, Reisuke; and Fujino, Hisami, 4,798,762, Cl. 428-285.000.
  - Otani, Mitsunobu; Date, Tamotsu; Nagayama, Takashi; and Kouzuki, Tsuneo, 4,869,823, Cl. 210-349.000.
  - Sano, Takao, 4,817,843, Cl. 226-97.000.
  - Sano, Takao; Ogasawara, Masafumi; and Ichikawa, Seishiro, 4,833,758, Cl. 19-304.000.
  - Sano, Takao; Sekido, Toshihide; and Ogasawara, Masafumi, 4,844,315, Cl. 226-97.000.
  - Sasaki, Tatsuo; Fujimaki, Hideo; Uemura, Tadahiro; and Kurihara, Masaru, 4,857,363, Cl. 427-245.000.
  - Seiya, Yuji; and Odawara, Hiroyuki, 4,859,533, Cl. 428-366.000.
  - Suganuma, Heiroku; Taneichi, Shoshiro; Kobayashi, Hisaaki; and Matsunaga, Tadayo, 4,810,055, Cl. 350-96.340.
  - Takada, Takashi; Hirao, Kenichi; Tanaka, Hiroyoshi; and Suzuki, Mitsuo, 4,861,659, Cl. 428-364.000.
  - Taniguchi, Masaharu; Tokunow, Masazumi; and Fujikawa, Junichi, 4,889,793, Cl. 430-284.000.
  - Taniguchi, Takashi; Hosono, Hiroshi; and Nakamura, Itaru, 4,835,023, Cl. 428-15.000.
  - Yoshimura, Hiroshi; and Tagami, Yuichi, 4,807,336, Cl. 26-73.000.
- Toray Silicone Co., Ltd.: *See*—
  - Arai, Ichiro, 4,816,204, Cl. 264-541.000.
  - Hosokawa, Hidehiko, 4,824,652, Cl. 423-348.000.
  - Kobayashi, Hideki; Honma, Hiroshi; and Hamada, Mitsuo, 4,842,943, Cl. 428-447.000.
  - Kobayashi, Hideki, 4,845,004, Cl. 430-110.000.
  - Kobayashi, Hideki; and Ohnishi, Masayuki, 4,849,022, Cl. 106-490.000.
  - Morita, Yoshitsugu; and Shida, Shoichi, 4,808,640, Cl. 523-433.000.
  - Morita, Yoshitsugu; Yokoyama, Noriyasu; and Yoshida, Keiji, 4,880,882, Cl. 525-446.000.
  - Nakamura, Akito; and Sugihara, Junpei, 4,830,893, Cl. 428-35.800.
  - Nakasuji, Katsuyoshi; and Mikami, Ryuzo, 4,808,483, Cl. 428-447.000.
  - Okawa, Tadashi; and Suzuki, Toshio, 4,876,373, Cl. 556-453.000.
  - Ona, Isao; and Ozaki, Masaru, 4,857,212, Cl. 252-8.600.
  - Ona, Isao; Naganawa, Tsutomu; Suzuki, Toshio; and Okawa, Tadashi, 4,889,770, Cl. 428-447.000.
  - Saruyama, Toshio, 4,806,592, Cl. 524-860.000.
  - Saruyama, Toshio, 4,847,228, Cl. 502-158.000.
  - Shimizu, Koji; and Hamada, Mitsuo, 4,824,616, Cl. 264-7.000.
  - Shimizu, Koji; Hamada, Mitsuo; and Nakasuji, Katsuyoshi, 4,849,564, Cl. 524-114.000.
  - Shirahata, Akihiko, 4,814,474, Cl. 556-477.000.
  - Shirahata, Akihiko, 4,845,238, Cl. 549-215.000.
  - Suganuma, Noriyuki; and Shimmi, Hideo, 4,889,576, Cl. 156-249.000.
  - Suzuki, Toshio; and Irie, Masahiro, 4,826,954, Cl. 528-15.000.
  - Suzuki, Toshio; and Okawa, Tadashi, 4,840,693, Cl. 156-329.000.
  - Suzuki, Toshio; and Okawa, Tadashi, 4,874,881, Cl. 556-453.000.
  - Suzuki, Toshio, 4,889,905, Cl. 528-30.000.
- Torazzina, Aldo: *See*—
  - Botti, Edoardo; and Torazzina, Aldo, 4,827,221, Cl. 330-51.000.
  - Botti, Edoardo; Torazzina, Aldo; and Stefani, Fabrizio, 4,878,032, Cl. 330-263.000.
  - Botti, Edoardo; and Torazzina, Aldo, 4,879,526, Cl. 330-295.000.
- Torba, Lajos: *See*—
  - Balina, Istvan; Kokai, Jozsef; Boros, Lajos; and Torba, Lajos, 4,858,451, Cl. 70-202.000.
- Torbey, Habib H., to Columbia University in the City of New York, The Trustees of. System and method for hierarchal image encoding and decoding. 4,858,017, 8-15-89, Cl. 358-426.000.
- Torcan Chemical Ltd.: *See*—
  - Oudenes, Jan, 4,808,741, Cl. 556-418.000.
- Torcheux, Bertrand: *See*—
  - Weber, Jacques; and Torcheux, Bertrand, 4,801,913, Cl. 337-66.000.
- Torchia, Nicholas: *See*—
  - Lowsky, John; Trierwiler, Scott; and Torchia, Nicholas, 4,820,409, Cl. 210-130.000.
- Torcomian, Albert, to LHT Industries, Inc. Articulated truck/trailer combination: first cargo unit coupling mechanism. 4,817,980, 4-4-89, Cl. 280-418.100.
- Torcomian, Albert, to LHT Industries, Inc. Articulated truck/trailer combination:the drawbar. 4,830,392, 5-16-89, Cl. 280-400.000.
- Torcomian, Albert, to LHT Industries, Inc. Articulated truck/trailer combination: second cargo unit coupling mechanism. 4,881,751, 11-21-89, Cl. 280-457.000.
- Tordeux, Marc; Wakselman, Claude; and Francese, Catherine, to Rhone-Poulenc Chimie. Process for perfluoroalkylation of acid anhydrides. 4,855,460, 8-8-89, Cl. 549-308.000.
- Tordeux, Marc; Langlois, Bernard; and Wakselman, Claude, to Rhone-Poulenc Chimie. Process for the preparation of perhaloalkanesulfinic and -sulfonic acids, perhaloalkanesulfinic and -sulfonic acid salts and other derivatives of these acids. 4,866,190, 9-12-89, Cl. 556-111.000.
- Tordeux, Marc: *See*—
  - Francese, Catherine; Tordeux, Marc; and Wakselman, Claude, 4,803,298, Cl. 860-174.000.
- Tordoff, Michael G.: *See*—
  - DiNovi, Michael J.; Rafka, Robert J.; Friedman, Mark I.; and Tordoff, Michael G., 4,871,776, Cl. 514-738.000.
  - Friedman, Mark I.; Tordoff, Michael G.; DiNovi, Michael J.; and Rafka, Robert J., 4,808,626, Cl. 514-738.000.
- Tordoir, Franciscus J. M.: *See*—
  - Schelhaas, Ealbertus W.; and Tordoir, Franciscus J. M., 4,833,197, Cl. 524-594.000.
- Torelli, Gerard: *See*—
  - Coffre, Eric; Gary, Daniel; di Giulio, Christophe; Loiseau, Gerard; and Torelli, Gerard, 4,836,242, Cl. 137-505.420.
- Torelli, Giorgio, to Chemical Laboratories S.R.L. Chromogenic reactive for determining the iron content and the iron-binding capacity of biological liquids. 4,810,656, 3-7-89, Cl. 436-74.000.
- Torenbeek, Reinder: *See*—
  - Meijer, John; Torenbeek, Reinder; and van den Berg, Rolf H., 4,818,425, Cl. 252-94.000.
- Toreson, James S.: *See*—
  - Cowen, Stephen R.; Toreson, James S.; Chen, Joseph Y.; and Cochran, David S., 4,816,938, Cl. 360-75.000.
- Torfs, Jan C. M.; Laarhoven, Johannes P. M.; and Van Heel, Christiaan F. J., to Dow Nederland B.V. Automatic sample handling device. 4,801,429, 1-31-89, Cl. 422-63.000.
- Torge, Reimund, to Carl-Zeiss-Stiftung. Interferometer system for making length or angle measurements. 4,813,783, 3-21-89, Cl. 356-358.000.
- Torgerson, Curt N.: *See*—
  - Chan, Lawrence W.; Doan, Alpha N.; Torgerson, Curt N.; and Wield, Paul J., 4,865,478, Cl. 400-616.300.
- Torgrim, Willard J.; and Zuranski, Robert M., to Rockwell International Corporation. Telephone switching system with voice detection and answer supervision. 4,809,272, 2-28-89, Cl. 370-110.300.
- Torgrimson, Lee A.; and Chinske, Louis M. Mixing kit. 4,875,576, 10-24-89, Cl. 206-219.000.
- Torguet, Roger: *See*—
  - Edouard, Bridoux; Lievin, Camus; Christian, Bruneel; Marc, Gazalet; and Torguet, Roger, 4,799,777, Cl. 350-358.000.
- Torichigai, Masaaki; and Iwamoto, Keiichi, to Mitsubishi Jukogyo Kabushiki Kaisha. Cable insertion nozzle. 4,800,927, 1-31-89, Cl. 138-109.000.
- Torichigai, Masaaki; and Iwamoto, Keiichi, to Mitsubishi Jukogyo Kabushiki Kaisha. Cable insert nozzle. 4,854,614, 8-8-89, Cl. 285-93.000.
- Torichigai, Masaaki: *See*—
  - Maeyama, Takuzo; Nii, Kenichi; Shimojo, Shigeru; Iwamoto, Keiichi; Torichigai, Masaaki; and Koizumi, Kiyoshi, 4,879,973, Cl. 122-379.000.
  - Okabe, Yoshimi; Iwamoto, Keiichi; Torichigai, Masaaki; Kaneko, Shozo; Ichinari, Joji; and Koizumi, Kiyoshi, 4,872,347, Cl. 73-634.000.
- Torick, Emil L.: *See*—
  - Bod, Murray L.; McMann, Renville H.; and Torick, Emil L., 4,817,151, Cl. 381-13.000.
- Torielli, Alessandro: *See*—
  - Licciardi, Luigi; and Torielli, Alessandro, 4,873,659, Cl. 364-784.000.
- Toriello, Lawrence I.: *See*—
  - Cleary, Terrance M.; Donahue, Raymond J.; Hesterberg, William G.; and Toriello, Lawrence I., 4,830,085, Cl. 164-275.000.

Torigai, Katsumi; and Takahashi, Masanori, to Sanshin Kogyo Kabushiki Kaisha. Trimming device for marine propulsion apparatus. 4,824,407, 4-25-89, Cl. 440-1.000.

Torigai, Katsumi, to Sanshin Kogyo Kabushiki Kaisha. Engine with turbo-charger for an outboard motor. 4,827,722, 5-9-89, Cl. 60-599.000.

Torigai, Katsumi; and Takahashi, Masanori, to Sanshin Kogyo Kabushiki Kaisha. Engine rpm control device for outboard motor. 4,850,318, 7-25-89, Cl. 123-352.000.

Torigoe, Makoto, to Canon Kabushiki Kaisha. Method and apparatus for scanning exposure. 4,822,975, 4-18-89, Cl. 219-121.850.

Torigoe, Makoto; and Suzuki, Akiyoshi, to Canon Kabushiki Kaisha. Exposure apparatus. 4,875,076, 10-17-89, Cl. 355-53.000.

Torigoe, Masaaki: *See—*

Ishigaki, Kunio; Yoshimura, Yuji; Kanetake, Satoshi; and Torigoe, Masaaki, 4,822,727, Cl. 430-536.000.

Torigoe, Michiko: *See—*

Matuura, Toshihiko; Sawaki, Kenzi; Shindo, Seizin; and Torigoe, Michiko, 4,824,751, Cl. 430-106.000.

Torigoe, Tsunemitsu, to Alps Electric Co., Ltd. Liquid crystal display with small carbon particles in its mark. 4,805,995, 2-21-89, Cl. 350-339.00R.

Torihara, Masahiro; and Tamai, Yoshin, to Kuraray Company Ltd. 2-cyano-4-phenyl pentane and fragrance or perfume compositions containing the same. 4,837,351, 6-6-89, Cl. 558-388.000.

Torii & Co., Ltd.: *See—*

Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Torii, Hideo; Aoki, Masaki; Komoda, Hideaki; Aoki, Nobuyuki; Ota, Ikuo; and Ochiai, Keiichi, to Matsushita Electric Industrial Co., Ltd. Platelike magnetic powder and a recording medium which uses the platelike magnetic powder. 4,886,714, 12-12-89, Cl. 428-694.000.

Torii, Hideo: *See—*

Aoki, Masaki; Sakai, Masayuki; Torii, Hideo; Okinaka, Hideyuki; and Hirota, Hozumi, 4,811,148, Cl. 360-125.000.

Torii, Hiroshi, to Brother Kogyo Kabushiki Kaisha. Sheet-feeding apparatus with selectable unit feed and coefficient therefor. 4,820,069, 4-11-89, Cl. 400-568.000.

Torii, Kiyofumi: *See—*

Shikama, Takashi; Nakamura, Toshikazu; and Torii, Kiyofumi, 4,831,241, Cl. 219-544.000.

Torii, Michiaki; and Hirooka, Seiji, to Nippon Petrochemicals Co., Ltd. Method for preparing hydrocarbon mixture solvent. 4,795,840, 1-3-89, Cl. 585-16.000.

Torii, Michihiro: *See—*

Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.

Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, to Fanuc Ltd. Apparatus for setting industrial robot at standard position. 4,813,844, 3-21-89, Cl. 414-730.000.

Torii, Nobutoshi; and Nihei, Ryo, to Fanuc Ltd. Industrial robot brake apparatus. 4,827,782, 5-9-89, Cl. 74-89.150.

Torii, Nobutoshi; Nihei, Ryo; and Mizuno, Hitoshi, to Fanuc Ltd. Motion range limiting apparatus for industrial robots. 4,828,094, 5-9-89, Cl. 192-139.000.

Torii, Nobutoshi; and Nihei, Ryo, to Fanuc Ltd. Industrial robot with replaceable module. 4,829,840, 5-16-89, Cl. 74-89.150.

Torii, Nobutoshi; Ito, Susumu; Wakio, Hiroshi; and Iwasaki, Kyoji, to Fanuc Ltd. Industrial robot having dust-proof structure. 4,836,048, 6-6-89, Cl. 74-608.000.

Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji, to Fanuc Ltd. Vertical multi-articulated robot. 4,842,474, 6-27-89, Cl. 414-680.000.

Torii, Nobutoshi; Nihei, Ryo; and Terada, Akihiro, to Fanuc Ltd. Arm structure for an industrial robot. 4,859,139, 8-22-89, Cl. 414-744.500.

Torii, Nobutoshi; Mizuno, Hitoshi; and Iwasaki, Kyoji, to Fanuc Ltd. Apparatus for dealing with cables in industrial robots. 4,877,973, 10-31-89, Cl. 307-147.000.

Torii, Nobutoshi: *See—*

Nakashima, Seiichiro; Toyoda, Kenichi; and Torii, Nobutoshi, 4,835,362, Cl. 219-130.100.

Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuichi; and Morikawa, Shigehiro, 4,857,700, Cl. 219-124.340.

Torii, Nozomu; Mori, Keiji; and Kogita, Hidekazu, to Aisin Seiki Kabushiki Kaisha. Door mirror assembly for automotive vehicles. 4,832,477, 5-23-89, Cl. 350-637.000.

Torii, Nozomu: *See—*

Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,796,151, Cl. 361-171.000.

Asada, Toru; Komuro, Kenichi; Fukumoto, Ryoichi; and Torii, Nozomu, 4,884,207, Cl. 364-431.030.

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Aketa, Masahiro; Yamashita, Masahiro; Torii, Satoshi; and Ikeshima, Tetsuro, 4,807,811, Cl. 239-91.000.

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Yamamoto, Hitoshi; Toriyama, Masayuki; and Shibata, Kazumi, 4,829,945, Cl. 123-65.0PE.

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  - Vossbrinck, Craig R. J.; and Vossbrinck, David A., 4,831,702, Cl. 29-157.30L.
- Torrance, Hugh Y.: *See—*
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- Torre, Joseph J., to Pacific Atlantic Products, Ltd. Temperature sensing system. 4,877,330, 10-31-89, Cl. 374-136.000.
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  - Verret, Douglas P.; Brighton, Jeffrey E.; Hollingsworth, Deems R.; and Torreno, Manuel L., Jr., 4,799,099, Cl. 357-50.000.
  - Welch, Michael T.; McMann, Ronald E.; Torreno, Manuel L., Jr.; Garcia, Evaristo, Jr.; and Brighton, Jeffrey E., 4,795,722, Cl. 437-192.000.
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  - Dickinson, Thorn W., 4,872,770, Cl. 384-484.000.
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  - Hancock, Michael T., 4,802,881, Cl. 464-93.000.
  - Hartnett, Michael J.; Lugosi, Robert; Rollins, James; Cook, John P.; and Clark, Jeffrey A., 4,858,295, Cl. 29-156.40R.
  - Hill, Gary J.; and Murphy, Richard F., 4,869,604, Cl. 384-569.000.
  - Linnemeier, Elmer H., 4,854,738, Cl. 384-127.000.
  - Linnemeier, Elmer H., 4,869,616, Cl. 403-270.000.
  - Moseley, John; and McLarty, Daniel, 4,850,719, Cl. 384-1.000.
  - Podhajecki, Stephen T., 4,874,260, Cl. 384-470.000.
  - Rhoads, Thomas G.; and Cornish, Paul M., 4,883,374, Cl. 384-618.000.
  - Richtmeyer, Robert D.; and Smith, Kelvin M., 4,886,479, Cl. 464-111.000.
  - Santos, Alfred J.; Cook, Frederick A., Jr.; Duncan, Scott M.; and Moseley, John, 4,875,785, Cl. 384-448.000.
  - Shepard, Richard W.; Corban, Earle; and Preston, Peter, 4,881,830, Cl. 384-577.000.
- Torsell, Krister: *See—*
  - Axelsson, Carl L.; Brunner, Mikael; Kaufmann, Dan; and Torsell, Krister, 4,834,791, Cl. 75-26.000.
- Torstenfelt, Ragnar: *See—*
  - Mansson, Martin; and Torstenfelt, Ragnar, 4,860,535, Cl. 60-39.464.
  - Nordstrom, Karl-Johan; and Torstenfelt, Ragnar, 4,863,342, Cl. 415-134.000.
- Tortelli, Vito: *See—*
  - Caporiccio, Gerardo; Bargigia, Gianangelo; Tonelli, Claudio; and Tortelli, Vito, 4,833,274, Cl. 570-137.000.
  - Re, Alberto; Tonelli, Claudio; and Tortelli, Vito, 4,851,485, Cl. 525-504.000.
- Torterotot, Roland, to Societe a Responsabilite Limitee: Erca Holding. Metering and dispensing device for the packing of liquids products. 4,798,235, 1-17-89, Cl. 141-258.000.
- Torti, Alessandro, to Torriani & C. S. p.A. Method of making half-binding hard covers for books and a machine for the implementation thereof. 4,863,331, 9-5-89, Cl. 412-3.000.
- Tortorello, Anthony J.; and Gong, Helene, to DeSoto, Inc. Polyester coatings from terephthalate polyester and hydroxy-functional linear polyester. 4,847,314, 7-11-89, Cl. 524-317.000.
- Toru, Hanahusa: *See—*
  - Masato, Honsho; and Toru, Hanahusa, 4,807,366, Cl. 30-383.000.
- Torus Corporation: *See—*
  - Allen, Donavan J., 4,836,702, Cl. 401-10.000.
- Torus Equipment, Inc.: *See—*
  - Piper, Britton F., 4,811,758, Cl. 137-844.000.
- Tory, Kalman: *See—*
  - Abraham, Gizella; Horvath, Tibor; Toldy, Lajos; Borvendeg, Janos; Csanyi, Endre; Kiss, Eva; nee Hermann, Ilona S.; and Tory, Kalman, 4,806,685, Cl. 564-324.000.
- Torza, Sergio: *See—*
  - Bonander, James; and Torza, Sergio, 4,861,434, Cl. 162-258.000.
- Tosaka, Akio: *See—*
  - Hashiguchi, Koichi; Tosaka, Akio; Irie, Toshio; and Takahashi, Isao, 4,830,686, Cl. 148-320.000.
- Tosaka, Yasuo: *See—*
  - Ogi, Keiji; and Tosaka, Yasuo, 4,863,838, Cl. 430-378.000.
- Tosaka, Yoichi; and Shoji, Toru, to Canon Kabushiki Kaisha. Film code read out device. 4,888,604, 12-19-89, Cl. 354-21.000.
- Tosaka, Yoichi: *See—*
  - Kawamura, Masaharu; Harada, Yoshihito; Kobayashi, Ryuichi; Suzuki, Masayuki; Ohara, Tsunemasa; and Tosaka, Yoichi, 4,799,074, Cl. 354-173.100.
- Tosaki, Chikao, to Japan Synthetic Rubber Co., Ltd. Apparatus for measuring viscoelasticity. 4,829,830, 5-16-89, Cl. 73-847.000.
- Tosaya, Eric S.: *See—*
  - Bhattacharyya, Bidyut K.; and Tosaya, Eric S., 4,810,671, Cl. 437-209.000.
- Tosbac Computer System Co., Ltd.: *See—*
  - Tanaka, Yasunori; and Hashimoto, Hideo, 4,873,670, Cl. 365-189.110.
- Toschi, Lanfranco: *See—*
  - Triolo, Innocenzo; Toschi, Lanfranco; and Lorenzoni, Marcello, 4,834,623, Cl. 417-366.000.
- Tosco, Luigi: *See—*
  - Brizio, Giuseppe; Gallizio, Roberto; and Tosco, Luigi, 4,867,666, Cl. 425-190.000.
- Tose, Mark K.: *See—*
  - Andrew, John E.; Herrigel, Howard R.; Jones, George R.; Nowak, James C.; Tose, Mark K.; and Whalen, Robert, 4,863,607, Cl. 210-634.000.
  - Nowak, James C.; and Tose, Mark K., 4,830,754, Cl. 210-639.000.
- Toshiaki, Horiuchi: *See—*
  - Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.
- Toshiaki, Kikuchi; Mochizuki, Toshihiro; Ito, Yasutoshi; and Yamana, Tohru, to Murakami Kaimeido Co., Ltd. Holding device of mirror element for rearview mirror. 4,877,214, 10-31-89, Cl. 248-483.000.
- Toshiba America, Inc.: *See—*
  - Suzuki, Osami, 4,876,724, Cl. 381-187.000.
- Toshiba Automation Co., Ltd.: *See—*
  - Kenichi, Mizuno, 4,803,923, Cl. 101-365.000.
- Toshiba Battery Co., Ltd.: *See—*
  - Mitsuyasu, Kiyoshi; Kanda, Motoya; Takeno, Kazuta; and Kochiwa, Kenichi, 4,849,312, Cl. 429-217.000.
- Toshiba Ceramics Co., Ltd.: *See—*
  - Aiba, Yoshiro; Arakawa, Kazumi; Watanabe, Takashi; and Kawai, Kazuhide, 4,857,488, Cl. 501-89.000.
  - Hayashi, Kenro; and Tanaka, Takashi, 4,836,965, Cl. 264-60.000.
  - Hayashi, Kenrou; Oguma, Reiji; and Tamura, Masayuki, 4,888,142, Cl. 264-65.000.
  - Ito, Toshiaki; Yamaguchi, Masayoshi; and Meguro, Kazunori, 4,810,526, Cl. 427-50.000.
  - Katoh, Yoshihisa; Ogawa, Takashi; and Hasegawa, Mitsumasa, 4,839,488, Cl. 219-69.180.
  - Katoh, Yoshihisa; Ogawa, Takashi; Nagao, Yukihiko; and Hasegawa, Mitsumasa, 4,863,617, Cl. 210-788.000.
  - Matsushita, Junichi; Saito, Hajime; and Nagashima, Hideo, 4,873,053, Cl. 419-11.000.
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
  - Nakao, Shinichi; Yasuda, Shunji; and Ikeda, Shigehito, 4,861,471, Cl. 210-182.000.
  - Shikata, Toshio; Tokoro, Hirokazu; Nishimura, Takanobu; Kinoshita, Masaharu; and Masuda, Norio, 4,867,803, Cl. 148-3.000.
  - Shimai, Shunzo; Saito, Yoshio; Ando, Yawara; and Koseki, Takashi, 4,799,601, Cl. 220-21.00R.
  - Sugiura, Sadanobu; Tokunaga, Kunishige; and Kawashima, Teruhisa, 4,858,794, Cl. 222-606.000.
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,847,052, Cl. 422-249.000.
  - Takasu, Shin'ichiro; Toji, Eiichi; Homma, Kazumoto; and Ohwa, Michihiro, 4,849,188, Cl. 422-249.000.
  - Tanaka, Takashi; and Watanabe, Yoshiyuki, 4,859,385, Cl. 264-62.000.
  - Tanaka, Takashi; and Watanabe, Yoshiyuki, 4,863,657, Cl. 264-62.000.
  - Yokoyama, Katsunori; Sato, Yukio; and Shimai, Shunzo, 4,862,030, Cl. 310-332.000.
- Toshiba Chemical Corporation: *See—*
  - Iwase, Hidehiro; and Habata, Keiichi, 4,882,227, Cl. 428-407.000.
  - Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, 4,868,584, Cl. 346-76.0PH.
- Toshiba Computer Engineering Corporation: *See—*
  - Furuya, Akihiko; Kanamaru, Kouiti; and Inoue, Junichi, 4,835,686, Cl. 364-200.000.
  - Kusunoki, Masahiro; Saito, Toshiya; Okamura, Hiroshi; and Ohashi, Hiroshi, 4,845,576, Cl. 360-67.000.
  - Yokoo, Kyoichi; and Nanbu, Takehiko, 4,818,128, Cl. 400-166.000.
- Toshiba Corporation: *See—*
  - Kobayashi, Masahiro; Matsushita, Akitake; Nakamura, Hitoshi; Tanaka, Shinji; and Furuya, Shuji, 4,796,653, Cl. 137-341.000.
  - Nakajima, Nobuyoshi; and Fujiwara, Shigemi, 4,810,887, Cl. 250-327.200.
- Toshiba Electric Appliances: *See—*
  - Yamamoto, Isao; Iida, Akio; and Kikuchi, Kaoru, 4,846,643, Cl. 425-7.000.
- Toshiba Electric Equipment Corporation: *See—*
  - Ide, Katsuyuki; Kobayashi, Hisao; and Aoike, Nanjou, 4,839,564, Cl. 315-169.400.
  - Imamura, Hitoshi; and Nakajima, Junichi, 4,835,440, Cl. 313-492.000.
  - Maruyama, Tatsuo; and Matsushita, Nobuo, 4,838,629, Cl. 350-1.600.
- Toshiba Glass Co., Ltd.: *See—*
  - Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.
- Toshiba Heating Appliances Co., Ltd.: *See—*
  - Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwatari, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, 4,800,661, Cl. 38-93.000.
- Toshiba Kikai Kabushiki Kaisha: *See—*
  - Fujita, Shigeru; Banzai, Hideo; and Takada, Makoto, 4,862,385, Cl. 364-518.000.
  - Harada, Susumu, 4,844,847, Cl. 264-40.500.
  - Hayashi, Akihiro, 4,868,761, Cl. 364-474.240.
  - Hosoya, Toshio, 4,802,267, Cl. 425-135.000.
  - Ikeda, Go; Sasaki, Kiyoshi; Kumazaki, Hiroshi; Fujita, Shigeru; and Banzai, Hideo, 4,841,459, Cl. 364-557.000.
  - Itoh, Hiroshi, 4,841,208, Cl. 318-561.000.
  - Kakazu, Yukinori; Minami, Noburo; and Nukui, Katsuhiko, 4,837,703, Cl. 364-474.180.
  - Kamiyama, Takashi; Segawa, Osamu; and Eshima, Mitsuaki, 4,808,355, Cl. 264-39.000.
  - Kamiyama, Takashi; and Fujita, Shigeru, 4,822,269, Cl. 425-203.000.
  - Koya, Hirokuni, 4,850,420, Cl. 164-150.000.
  - Miyauchi, Mikiyoshi; Meguro, Takashi; Serizawa, Hisao; and Kusanagi, Hiroaki, 4,851,267, Cl. 427-357.000.
  - Motomura, Noriyuki, 4,804,036, Cl. 164-147.100.
  - Nakamura, Hiromi, 4,854,370, Cl. 164-259.000.
  - Nakamura, Hiromi, 4,871,624, Cl. 428-611.000.
  - Nakanishi, Yoshinori, 4,800,325, Cl. 318-661.000.
  - Ozawa, Koichi, 4,810,181, Cl. 425-190.000.
  - Saito, Hirozi; Kubota, Shoko; and Motomura, Noriyuki, 4,828,460, Cl. 417-50.000.
  - Sasaki, Yoshinari; Oda, Etsuji; Nagata, Hirozumi; Kurita, Naoki; and Maehara, Hiroyuki, 4,820,464, Cl. 264-40.100.
  - Sato, Kazuhito, 4,855,095, Cl. 264-40.500.
  - Sato, Kazuhito, 4,889,478, Cl. 425-149.000.
  - Tanaka, Hideo; Bannai, Saburo; Sasaki, Kiyoshi; and Totani, Tsuginobu, 4,802,097, Cl. 364-476.000.
  - Tanaka, Shoichi, 4,802,769, Cl. 366-75.000.
  - Tsuboi, Hiroyuki; and Sugiyama, Hiroshi, 4,881,186, Cl. 364-565.000.
  - Watanabe, Takeshi; and Fuke, Yasukiyo, 4,832,307, Cl. 249-63.000.
  - Yamamoto, Harutoshi; Mochizuki, Zenichi; and Sakomoto, Sadasue, 4,808,486, Cl. 428-609.000.
  - Yamashita, Kazutaka, 4,795,955, Cl. 318-632.000.
- Toshiba Machine Co., Ltd.: *See—*
  - Ebata, Hitoshi, 4,807,561, Cl. 118-697.000.
  - Fujita, Jun; Nakanishi, Yoshinori; Oda, Etsuzi; and Yamashita, Kazutaka, 4,808,895, Cl. 318-384.000.
  - Itoh, Hiroshi, 4,884,014, Cl. 318-600.000.
  - Kasahara, Izumi; Kawauchi, Yasunobu; and Suzuki, Yoshio, 4,868,395, Cl. 250-398.000.
  - Kawauchi, Yasunobu; and Handa, Koji, 4,810,095, Cl. 356-394.000.
  - Kubota, Shoko; and Yamada, Sadayoshi, 4,848,603, Cl. 222-595.000.
- Toshiba Monofrax Co., Ltd.: *See—*
  - Hirata, Kimio; and Saito, Yasuo, 4,874,034, Cl. 165-9.100.
  - Matsukane, Tetsuyoshi; and Arai, Kenji, 4,810,150, Cl. 411-508.000.
- Toshiba Silicone Co., Ltd.: *See—*
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,814,475, Cl. 556-489.000.
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,876,363, Cl. 549-215.000.
  - Kabeta, Keiji, 4,814,473, Cl. 556-479.000.
  - Kimura, Hiroshi; and Takagi, Akira, 4,871,616, Cl. 428-407.000.
  - Kobayashi, Keiji; and Urabe, Takashi, 4,841,006, Cl. 528-15.000.
  - Kurita, Atsushi; Matsumoto, Yasuji; and Huy, Sam, 4,839,452, Cl. 528-15.000.
  - Nagaoka, Hisayuki; Zenbayashi, Michio; and Shimizu, Chiyuki, 4,877,855, Cl. 528-26.000.
  - Nagaoka, Hisayuki; and Zenbayashi, Michio, 4,882,396, Cl. 525-426.000.
  - Nishida, Makoto; and Hanaoka, Hiroaki, 4,851,558, Cl. 556-471.000.
  - Satoh, Yoshiyuki; Kida, Shinji; Kimura, Hiroshi; and Otsuki, Masaaki, 4,828,739, Cl. 252-49.600.
  - Shimizu, Chiyuki; and Yoshida, Tamio, 4,847,357, Cl. 528-374.000.
  - Shimizu, Chiyuki; and Yoshida, Tamio, 4,873,272, Cl. 523-212.000.
- Toshiba Tungaloy Co., Ltd.: *See—*
  - Taniguchi, Yasuro; Sasaki, Ko; Ueki, Mitsuo; and Kobori, Keiichi, 4,830,930, Cl. 428-547.000.
- Toshida, Yomishi, to Canon Kabushiki Kaisha. Method for forming optical pattern in porous glass. 4,816,376, 3-28-89, Cl. 430-290.000.
- Toshiharu, Inui: *See—*
  - Moriguchi, Haruhiko; and Toshiharu, Inui, 4,809,063, Cl. 358-75.000.
- Toshikuni, Nobuyuki; Takagi, Masao; and Nishiguchi, Nobuyuki, to Kubota Limited. Frame type tractor. 4,804,056, 2-14-89, Cl. 180-70.100.
- Toshikuni, Nobuyuki: *See—*
  - Takagi, Masao; Miyahara, Masayoshi; and Toshikuni, Nobuyuki, 4,824,128, Cl. 180-53.100.
- Toshima, Tomoyuki: *See—*
  - Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
- Toshima, Yasuhide: *See—*
  - Yokoo, Hidejiro; Maruyama, Toshishiro; Toshima, Yasuhide; and Kobori, Yasuo, 4,842,640, Cl. 71-92.000.
- Toshimi, Isobe: *See—*
  - Hidemitsu, Akabane; Seiichi, Hoshino; Yasuji, Tamura; and Toshimi, Isobe, 4,815,658, Cl. 237-2.00A.
- Toshimits, Kazushige: *See—*
  - Noguchi, Kunio; Koike, Yuzuru; and Toshimits, Kazushige, 4,877,006, Cl. 123-589.000.
- Toshimitsu, Kazushige; Umeda, Tadashi; and Igarashi, Hisashi, to Honda Giken Kogyo Kabushiki Kaisha. Method of controlling fuel supply during acceleration of an internal combustion engine. 4,805,579, 2-21-89, Cl. 123-492.000.
- Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, to Honda Giken Kogyo Kabushiki Kaisha. Fuel supply control method for internal combustion engines. 4,825,834, 5-2-89, Cl. 123-463.000.
- Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, to Honda Giken Kogyo Kabushiki Kaisha. Fuel supply control method for internal combustion engines. 4,883,039, 11-28-89, Cl. 123-463 000.
- Toshimitsu, Kenshi; and Mizuma, Takashi, to Kabushiki Kaisha Toshiba. Image forming apparatus. 4,860,049, 8-22-89, Cl. 355-218.000.
- Toshimitsu, Kenshi: *See—*
  - Ichihara, Issey; and Toshimitsu, Kenshi, 4,832,233, Cl. 222-201.000.
  - Ichihara, Issey; Toshimitsu, Kenshi; and Tachibana, Natsuki, 4,862,213, Cl. 355-245.000.
- Toshinai, Akio: *See—*
  - Hase, Takashi; Jinnai, Toshio; Fujino, Shigeo; Hayashi, Masato; and Toshinai, Akio, 4,810,416, Cl. 252-301.60R.
- Toshio, Kamimura; and Koji, Ito, to Teijin Seiki Co., Ltd. Pressure balance type solenoid controlled valve. 4,852,853, 8-1-89, Cl. 251-129.070.
- Toshio, Kamimura; and Koji, Ito, to Teijin Seiki Co., Ltd. Back pressure valve. 4,869,288, 9-26-89, Cl. 137-494.000.
- Toshio, Kamimura; and Koji, Ito, to Teijin Seiki Co., Ltd. Check valve. 4,877,052, 10-31-89, Cl. 137-512.300.
- Toshio Takatsu: *See—*
  - Takatsu, Toshio, 4,832,600, Cl. 433-164.000.
- Toshio, Torii: *See—*
  - Kaoru, Sakurai; Harunori, Murakami; Toshio, Torii; and Hidetoshi, Oka, 4,864,316, Cl. 343-704.000.

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Toshio, Wachi: *See—*
- Kohtaroh, Fujita; Toshio, Wachi; and Hitomi, Nakano, 4,830,731, Cl. 208-113.000.

Toshiya, Natsuhara: *See—*
- Yuji, Enoguchi; Toshiya, Natsuhara; and Masashi, Yamamoto, 4,883,017, Cl. 118-653.000.

Toshiyasu, Masayuki: *See—*
- Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.

Toshiyuki, Nakaie; and Tethuo, Oonishi, to Hanwa Electronic Co., Ltd. Base board for testing integrated circuits. 4,812,755, 3-14-89, Cl. 324-158.00F.

Tosho Corporation: *See—*
- Toei, Junichi; and Baba, Nobuyuki, 4,877,522, Cl. 210-198.200.

Tosi, Bruno: *See—*
- Munari, Fausto; Ostan, Giovanni; and Tosi, Bruno, 4,863,871, Cl. 436-161.000.

Toska Co., Ltd.: *See—*
- Ueno, Hideyuki, 4,854,014, Cl. 24-16.0PB.

Toski, Robert J.: *See—*
- Battersby, Gary, 4,869,510, Cl. 273-186.00R.

Toso Enterprises, Ltd.: *See—*
- Onizaki, Takashi J.; and Oshust, Stephen L., 4,862,984, Cl. 180-120.000.

Toso Kabushiki Kaisha (Toso Company Limited): *See—*
- Onosato, Hiroshi; Horikoshi, Hiroshi; and Hirahara, Masahiro, 4,819,708, Cl. 160-331.000.

Toso Susteel Co., Ltd.: *See—*
- Inoue, Hiroshi; Kato, Toshikazu; and Emura, Noriaki, 4,845,190, Cl. 528-388.000.

Toso, Victor. Upper torso garment with integral back support. 4,813,080, 3-21-89, Cl. 2-94.000.

Tosoh Corporation: *See—*
- Harada, Tsuneo; Fukuda, Ken-ichi; Shimizu, Hiroshi; Tokuda, Akira; and Oyama, Kiyotaka, 4,830,720, Cl. 204-131.000.
- Harada, Yukihiko; Nakagawa, Tatsushi; Kanesaka, Junichiro; and Kaneshige, Yousuke, 4,840,849, Cl. 428-419.000.
- Hayashi, Hidechika, 4,821,080, Cl. 356-318.000.
- Inoue, Hiroshi; Kato, Toshikazu; Otsuru, Masaaki; and Emura, Noriaki, 4,820,801, Cl. 528-388.000.
- Inoue, Hiroshi; Kato, Toshikazu; and Emura, Noriaki, 4,845,190, Cl. 528-388.000.
- Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.
- Kato, Toshikazu; Inoue, Hiroshi; Tomagou, Satoshi; and Emura, Noriaki, 4,868,275, Cl. 528-212.000.
- Kitayama, Ryuichi; Komiya, Katsuo; and Kato, Yoshio, 4,830,921, Cl. 428-406.000.
- Komiya, Katsuo; and Kato, Yoshio, 4,835,058, Cl. 428-405.000.
- Miyake, Takanori; Sekizawa, Kazuhiko; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,861,929, Cl. 570-209.000.
- Nakagawa, Tatsushi; Ishida, Yoshiaki; Junichiro, Kanesaka; and Kaneshige, Yosuke, 4,868,029, Cl. 428-163.000.
- Nakatani, Masaki, 4,820,501, Cl. 423-321.00R.
- Ohkura, Yosuke, 4,800,223, Cl. 544-354.000.
- Okisaki, Fumio; Kubo, Masashige; and Sakka, Hideo, 4,822,931, Cl. 570-208.000.
- Saito, Hiroyuki; Sakuma, Masaru; and Murakami, Tsugio, 4,863,709, Cl. 423-474.000.
- Sakai, Yasushi; Fujii, Tetsuo; Saito, Michio; Munekata, Motoaki; and Kiyohara, Akio, 4,870,146, Cl. 526-237.000.
- Sato, Masatoshi; Ogawara, Kensuke; and Emura, Noriaki, 4,883,702, Cl. 428-141.000.
- Takematsu, Tetsuo; Nonaka, Yuji; Nakanishi, Akira; and Morinaka, Hideo, 4,826,859, Cl. 514-349.000.
- Tanaka, Koji; Takemoto, Katsuo; and Sakai, Yasushi, 4,857,617, Cl. 526-237.000.

Tosoh Corporation and Toso Susteel Co., Ltd.: *See—*
- Inoue, Hiroshi; Kato, Toshikazu; Tomagou, Satoshi; and Emura, Noriaki, 4,840,986, Cl. 524-436.000.

Tosoh SMD, Inc.: *See—*
- Brat, Teodoro E.; and Wickersham, Charles E., 4,820,393, Cl. 204-192.150.
- Fielder, Kenneth B.; Bell, Robert L.; and Fuchs, Conrad E., 4,820,397, Cl. 204-298.000.

Toss, Franco. Support unit. 4,854,563, 8-8-89, Cl. 269-25.000.

Tosti, John. Replaceable, reusable golf club grip. 4,878,667, 11-7-89, Cl. 273-81.200.

Totake, Yukinori: *See—*
- Okuda, Akihiko; Totake, Yukinori; and Matsumura, Hideki, 4,876,407, Cl. 570-239.000.

Total Compagnie Francaise des Petroles: *See—*
- Dorleans, Andre M., 4,852,667, Cl. 175-65.000.
- Ducos, Maurice P.; and Serio, Andre L., 4,839,239, Cl. 428-623.000.
- Durando, Pierre; and LaFaille, Alain, 4,859,196, Cl. 439-197.000.
- Hommani, Noureddine; and Kadjar, Daniel, 4,823,891, Cl. 175-323.000.
- Minkkinen, Ari, 4,824,445, Cl. 55-40.000.
- Roussel, Michel; and Baffreau, Daniel, 4,877,452, Cl. 106-97.000.

Total Engineering and Research Company: *See—*
- Swint, Richard E.; and Newman, Robert J., 4,816,137, Cl. 208-154.000.

Total Environmental Services Technology, Inc.: *See—*
- Brown, Robert L., 4,882,929, Cl. 73-49.200.

Total Foam: *See—*
- Kennedy, Richard B.; and Widen, Jeffrey C., 4,863,276, Cl. 366-130.000.

Total Human Medical Laboratory Co., Ltd.: *See—*
- Anzai, Hiroshi; and Futsuki, Atsunori, 4,875,484, Cl. 128-421.000.

Total Tote, Inc.: *See—*
- Becker, Henry A., 4,809,581, Cl. 221-224.000.

Total Walther Feuerschutz GmbH: *See—*
- Lehmann, Reinhold; and Rusch, Hans-Joachim, 4,833,451, Cl. 340-524.000.

Totani Giken Kogyo Co., Ltd.: *See—*
- Totani, Mikio, 4,860,621, Cl. 83-171.000.

Totani, Mikio, to Totani Giken Kogyo Co., Ltd. Heat knife holding device for heat cutting plastic films. 4,860,621, 8-29-89, Cl. 83-171.000.

Totani, Tsuginobu: *See—*
- Tanaka, Hideo; Bannai, Saburo; Sasaki, Kiyoshi; and Totani, Tsuginobu, 4,802,097, Cl. 364-476.000.

'totes', incorporated: *See—*
- Okuda, Toshio, 4,794,939, Cl. 135-33.00R.

Toth, Alan J: *See—*
- Loutfy, Rafik O.; Hor, Ah-Mee; Liebermann, George; Toth, Alan J; Hsiao, Cheng-Kuo; Carmichael, Kathleen M.; and Tokoli, Emery G., 4,882,254, Cl. 430-59.000.

Toth, Andras: *See—*
- Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Toth, Andrew J.: *See—*
- Moore, Paul E.; Henderson, Jeffrey S.; Soisson, Lawrence R.; and Toth, Andrew J., 4,797,528, Cl. 219-70.000.

Toth, Bela: *See—*
- Csajtai, Geza; Doleschall, Sandor; Milley, Gyula; Kristof, Miklos; Paal, Tibor; Racz, Daniel; and Toth, Bela, 4,875,809, Cl. 405-263.000.

Toth, Douglas J., to Under Sea Industries, Inc. Integral buoyancy and ballast system for scuba divers. 4,887,932, 12-19-89, Cl. 405-186.000.

Toth, Edit; Kiss, Bela; Turley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, to Richter Gedeon Vegyeszeti Gyar Rt. 1,4-disubstituted piperazines, pharmaceutical compositions thereof and method of use. 4,866,062, 9-12-89, Cl. 514-255.000.

Toth, Edit: *See—*
- Lapis, Erzsebet; Toth, Edit; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; and Laszlovszky, Istvan, 4,874,765, Cl. 514-255.000.

Toth, Edith; Kiss, Bela; Torley, Jozsef; Palosi, Eva; Hajdu, Istvan; Szporny, Laszlo ; Groo, Dora; Lapis, Erzsebet; and Laszlovszky, Istvan, to Richter Gedeon Vegyeszeti Gyar Rt. Benzhydrylpiperazines pharmaceutical compositions thereof and method of use. 4,868,184, 9-19-89, Cl. 514-255.000.

Toth, Ferenc: *See—*
- Odor, Gyula; Csapo, Frigyes; Szabo, Bela; Szucs, Lajos; Marton, Mihaly; Steiner, Janso; Revesz, Laszlo; Toth, Ferenc; and Weiszengruber, Ferenc, 4,816,142, Cl. 209-3.000.

Toth, Istvan: *See—*
- Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.
- Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
- Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno ; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,889,944, Cl. 558-171.000.
- Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilovai, Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
- Simonyi, Sandor; Torocsik, Laszlo; Valoczi, Gyorgy; and Toth, Istvan, 4,823,647, Cl. 74-867.000.
- Simonyi, Sandor; Torocsik, Laszlo; Toth, Istvan; and Valoczi, Gyorgy, 4,867,288, Cl. 192-1.230.
- Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, 4,851,416, Cl. 514-280.000.

Toth, John: *See—*
- Murphy, Allan P.; and Toth, John, 4,826,050, Cl. 222-175.000.

Toth, John A., to Key Manufacturing Group, Inc. Wheel nut. 4,813,835, 3-21-89, Cl. 411-429.000.

Toth, John A., to Key Manufacturing Group, Inc. Decorative capped wheel nut and method of making same. 4,850,776, 7-25-89, Cl. 411-429.000.

Toth, Laszlo; and Conway, Michael R., to Western Sugar Company, The. Beet juice purification system. 4,795,494, 1-3-89, Cl. 127-48.000.

Toth, Louis: *See—*
- McCune, Robert C., Jr.; Toth, Louis; and Bailey, Robert S., 4,871,651, Cl. 430-315.000.

Toth, Marie A. Intracranial pressure monitoring system. 4,858,619, 8-22-89, Cl. 128-748.000.

Toth, Michael R.; and Buckley, Mary E., to Kendall Company, The. Absorbent pad with moisture barrier strips. 4,804,379, 2-14-89, Cl. 604-378.000.

Toth nee Takacs, Maria: *See—*
- Bajusz, Ferenc; Balogh, Karoly; Bodi, Tibor; Bordas, Barna; Dombay, Zsolt; Fodor nee Balogh, Gyongyver; Grega nee Toth, Erzsebet; Gribovszki, Pal; Lorik, Erno; Matolcsy, Gyorgy; Matyas nee David, Judit; Mile, Erzsebet; Nagy, Jozsef; Pavliscsak, Csaba; Tarpai, Gyula; Toth, Andras; Toth, Istvan; Toth nee Takacs, Maria; and Tuske, Marton, 4,804,405, Cl. 71-118.000.

Toth, Pal: *See—*
- Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc: Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor. 4,807,815, Cl. 241-39.000.

Toth, Vincent A.: *See—*
- Hawkins, Phillip J.; Kasner, William H.; Toth, Vincent A.; and Stroster, Mariann C., 4,855,564, Cl. 219-121.780.
- Kasner, William H.; Toth, Vincent A.; and Hawkins, Phillip J., 4,827,098, Cl. 219-121.630.
- Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., 4,844,947, Cl. 427-53.100.
- Kasner, William H.; Kun, Zoltan K.; Leksell, David; and Toth, Vincent A., 4,885,448, Cl. 219-121.690.

Toth, William D.: *See—*
- Nobile, John R.; Ross, William A.; and Toth, William D., 4,876,959, Cl. 101-233.000.
- Ross, William A.; Toth, William D.; and Freeman, Gerald C., 4,831,273, Cl. 250-561.000.

Toth, William H., to American Telephone and Telegraph Company, AT&T Bell Laboratories. In-place diagnosable electronic circuit board. 4,829,520, 5-9-89, Cl. 371-15.000.

Tothmatyas, Istvan: *See—*
- Biro, Gabor; Breitner, Robert; Fazekas, Gabor; Hejjas, Istvan; Niklai, Peter; Rubik, Erno ; Szabo, Karoly; and Tothmatyas, Istvan, 4,817,952, Cl. 273-153.00S.

Toti, Andrew J. Decorative awning and facia structures and methods and apparatus for forming the same. 4,796,393, 1-10-89, Cl. 52-76.000.

Toti, Andrew J. Vertical window covering systems. 4,858,668, 8-22-89, Cl. 160-84.100.

Toto Ltd.: *See—*
- Ito, Haruyuki; and Matsumoto, Akio, 4,818,457, Cl. 264-130.000.
- Ito, Haruyuki; and Matsumoto, Akio, 4,830,802, Cl. 264-135.000.
- Ito, Haruyuki; and Matsumoto, Akio, 4,844,853, Cl. 264-225.000.
- Ito, Haruyuki; and Matsumoto, Akio, 4,874,304, Cl. 425-84.000.
- Ito, Haruyuki; and Matsumoto, Akio, 4,884,959, Cl. 425-84.000.
- Kishima, Noboru; and Matsumoto, Akio, 4,797,425, Cl. 521-64.000.
- Kishima, Noboru; and Matsumoto, Akio, 4,828,771, Cl. 264-41.000.
- Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao, and Shiozawa, Junichi, 4,887,345, Cl. 29-568.000.
- Sato, Kimiteru; and Ito, Haruyuki, 4,798,525, Cl. 425-84.000.
- Sato, Kimiteru; and Ito, Haruyuki, 4,832,890, Cl. 264-87.000.
- Siotani, Masao, 4,861,257, Cl. 425-438.000.
- Tsutsumi, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, 4,819,587, Cl. 122-488.00R.

Totoki, Takao: *See—*
- Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, 4,796,149, Cl. 361-117.000.
- Seike, Shoji; Totoki, Takao; and Nozaki, Masayuki, 4,835,508, Cl. 338-21.000.

Totoku Electric Co., Ltd.: *See—*
- Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.

Totoku Electric Power Company, Incorporated: *See—*
- Kubota, Misao; Sugai, Osamu; Goto, Tetsuo: Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.

Totsch, John W. Magnetic conveyor system for transporting wafers. 4,805,761, 2-21-89, Cl. 198-619.000.

Totsu, Hideo: *See—*
- Sano, Yoshii; Totsu, Hideo; and Morihisa, Toshiharu, 4,841,563, Cl. 379-150.000.

Totsuka, Masao; Suzuki, Akiyoshi; and Ina, Hideki, to Canon Kabushiki Kaisha. Projection exposure apparatus. 4,834,540, 5-30-89, Cl. 356-401.000.

Totsuka, Masao: *See—*
- Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, 4,814,830, Cl. 355-54.000.
- Isohata, Junji; Totsuka, Masao; and Nakamura, Yoshiharu, 4,878,086, Cl. 355-77.000.
- Kosugi, Masao; Suzuki, Akiyoshi; Ina, Hideki; Outsuka, Kazuhito; Ogawa, Shigeki; Totsuka, Masao; and Sakai, Fumio, 4,814,829, Cl. 355-43.000.

Totsuka, Mikio: *See—*
- Suzuki, Tamotsu; Shinozaki, Fumiaki; Nishioka, Akira; and Totsuka, Mikio, 4,803,145, Cl. 430-166.000.

Totsuka, Mitsuhiko: *See—*
- Ikeda, Tomohiro; and Totsuka, Mitsuhiko, 4,801,275, Cl. 439-350.000.
- Ikeda, Tomohiro; Hatagishi, Yuji; Totsuka, Mitsuhiko; and Kudoh, Toshiharu, 4,871,990, Cl. 337-238.000.

Totsuka, Naoko: *See—*
- Katoh, You; Ogino, Takehiko; and Totsuka, Naoko, 4,849,239, Cl. 426-549.000.

Totsune, Atsushi: *See—*
- Hibino, Yoshitaka; Fukuzawa, Takeshi; Sato, Hiromitsu; Asakura, Masahiko; and Totsune, Atsushi, 4,803,898, Cl. 74-860.000.
- Sato, Hiromitsu; Kubota, Shinichi; Totsune, Atsushi; and Asakura, Masahiko, 4,882,538, Cl. 324-127.000.

Totta, Paul A.: *See—*
- Gajda, Joseph J.; Srikrishnan, Kris V.; Totta, Paul A.; and Trudeau, Francis G., 4,839,715, Cl. 357-71.000.
- Master, Raj N.; Pittler, Marvin S.; Totta, Paul A.; Ainslie, Norman G.; and Palmateer, Paul H., 4,824,009, Cl. 228-124.000.

Totten, George E.; and Johnson, Gordon C., to Union Carbide Corporation. Random polyether foam control agents. 4,836,951, 6-6-89, Cl. 252-174.210.

Totten, Jeffrey E.: *See—*
- Lichtenberg, Norman B.; Sponseller, Harold P.; and Totten, Jeffrey E., 4,854,185, Cl. 74-501.50R.

Totten, Joseph W.; and Walters, Kenneth A., to Fisons plc. Pharmaceutical compositions and methods using certain 4H-pyrano (3,2-g) quinoline compounds. 4,868,192, 9-19-89, Cl. 514-291.000.

Tottori, Nobuyuki: *See—*
- Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.

Tottori Sanyo Electric Co., Ltd.: *See—*
- Yamane, Mikihito; and Yamane, Hiroshi, 4,845,405, Cl. 313-500.000.

Tottori, Seiichi: *See—*
- Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.

Tottori, Takafumi, to Minolta Camera Kabushiki Kaisha. Multi-color image forming apparatus for forming a latent image pattern by use of residual toner remaining in a developing device. 4,888,619, 12-19-89, Cl. 355-210.000.

Tottori, Takafumi: *See—*
- Kusuda, Yasuhiro; and Tottori, Takafumi, 4,884,096, Cl. 355-233.000.

Tottori, Takumi: *See—*
- Yamamoto, Hitoshi; Tottori, Takumi; Ikeda, Tsugio; and Okazaki, Kouji, 4,807,571, Cl. 123-65.0PE.

Tottori University: *See—*
- Sato, Toru; and Hasegawa, Toshihisa, 4,825,862, Cl. 128-207.150.

Totty, Jerry. Automobile lift and tow hoist. 4,840,534, 6-20-89, Cl. 414-563.000.

Totty, Kenneth D.: *See—*
- Murphey, Joseph R.; and Totty, Kenneth D., 4,829,100, Cl. 523-131.000.

Totzek, Ulrich: *See—*
- Zehner, Bernd; Matthiesen, Fred; Schoebinger, Matthias; and Totzek, Ulrich, 4,864,397, Cl. 358-136.000.
- Zehner, Bernd; Matthiesen, Fred; Schoebinger, Matthias; and Totzek, Ulrich, 4,866,518, Cl. 358-135.000.

Touborg, Jorn, to F. L. Smidth & Co. A/S. Gas suspension reactor. 4,822,574, 4-18-89, Cl. 422-228.000.

Touboul, Pierre: *See—*
- Bernard, Alain; and Touboul, Pierre, 4,799,386, Cl. 73-517.00B.
- Bernard, Alain; and Touboul, Pierre, 4,869,092, Cl. 73-1.00D.

Touchet, Paul; Rodriguez, Gumersindo; Gatza, Paul E.; Butler, Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., to United States of America, Army. Rubber compound for tracked vehicle track pads. 4,843,114, 6-27-89, Cl. 524-87.000.

Touchi, Hachiro: *See—*
- Murakami, Koji; Higeta, Kazuya; and Touchi, Hachiro, 4,881,185, Cl. 364-557.000.

Toudic, Yves: *See—*
- Lambert, Bertrand; Toudic, Yves; and Coquille, Rene, 4,853,077, Cl. 156-605.000.

Touge, Takashi: *See—*
- Nishimoto, Hiroshi; Touge, Takashi; Okiyama, Tadashi; Kuwata, Naoki; and Arai, Yasunari, 4,884,278, Cl. 372-26.000.

Tough, Timothy: *See—*
- Davis, Dennis W. P.; and Tough, Timothy, 4,805,707, Cl. 173-139.000.

Tougne, Daniel: *See—*
- Feron, Paul; and Tougne, Daniel, 4,888,495, Cl. 307-39.000.

Touhsaent, Robert E.: *See—*
- Liu, Leland L.; and Touhsaent, Robert E., 4,865,908, Cl. 428-248.000.

Touji, Ryozo; and Ohnishi, Souichi, to Sharp Kabushiki Kaisha. Method of modifying programs stored in cash register. 4,811,219, 3-7-89, Cl. 364-405.000.

Toukan, Sameeh S., to Pennwalt Corporation. Polymers and lubricant additives of alkylene dithiothiadiazoles and alkylene cyanodithioimidocarbonates. 4,800,028, 1-24-89, Cl. 252-25.000.

Toukan, Sameeh S. Method of cleaning dental appliances artificial dentures. 4,806,173, 2-21-89, Cl. 134-42.000.

- Touki, Yoshio: *See—*
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,804,047, Cl. 172-91.000.
  - Kobashi, Teruhisa; Kobashi, Ichiro; Touki, Yoshio; and Kobiki, Yasuhiro, 4,805,704, Cl. 172-91.000.
- Toukmanian, Aram H.: *See—*
  - Ghosh, Asim; and Toukmanian, Aram H., 4,798,300, Cl. 215-10.000.
- Toulemonde, Marcel; and Balanzat, Emmanuel, to Commissariat A L'Energie Atomique; and Centre National de la Recherche Scientifique. Microporous membrane obtained by the irradiation of two faces and process for obtaining the same. 4,855,049, 8-8-89, Cl. 210-500.400.
- Toulhoat, Herve; and Favre, Anne, to Institut Francais du Petrole. Process for characterizing a catalyst by determination of its conversion and coking activities. 4,837,158, 6-6-89, Cl. 436-37.000.
- Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, to Canon Kabushiki Kaisha. Method and apparatus for carrying out transference recording of an ink image. 4,882,593, 11-21-89, Cl. 346-111.000.
- Toupin, Joseph; and Douesnel, Xavier, to Douesnel, Xavier. Method and device for detecting the temperature to which a solid, a liquid or a gas may have been subjected. 4,884,897, 12-5-89, Cl. 374-160.000.
- Touret, Jean-Pierre: *See—*
  - Rouleau, Alain; Rouleau, Patrick; and Touret, Jean-Pierre, 4,822,020, Cl. 271-18.300.
- Tournereau, Alain; Richard, Alain; Dumas, Daniel; and Egea, Guy, to Thomson Hybrides et Microondes. Opto-electronic head for the coupling of a semi-conductor device with an optic fiber, and a method to align this semi-conductor device with this fiber. 4,807,956, 2-28-89, Cl. 350-96.200.
- Tourneur, Roger; and Vasselet, Joel, to Bendix France. Hydraulic braking device for automobile vehicle. 4,858,737, 8-22-89, Cl. 188-358.000.
- Tourtellotte, Frederick: *See—*
  - Pernick, Jeffrey R.; and Tourtellotte, Frederick, 4,839,002, Cl. 204-58.000.
- Toussaint, Francois; and Goelff, Pierre, to Glaverbel. Transparent fire-screening panels. 4,873,146, 10-10-89, Cl. 428-428.000.
- Toussaint, Herbert: *See—*
  - Mueller, Herbert; Toussaint, Herbert; and Schossig, Juergen, 4,864,066, Cl. 568-861.000.
- Toutant, Roy T.; Motley, Richard M.; and Perry, David S., to General Electric Company. Method and apparatus for applying material to selected areas of a moving part. 4,828,887, 5-9-89, Cl. 427-424.000.
- Toutant, Roy T.; Perry, David S.; Brennan, Michael A.; Kreko, James E.; and Dilk, Mark A., to General Electric Company. Adaptive roll formed system and method. 4,878,368, 11-7-89, Cl. 72-9.000.
- Toutenkamion: *See—*
  - Girerd, Marc P. M., 4,863,334, Cl. 414-458.000.
- Touya, Hiroki: *See—*
  - Okuyama, Kouji; and Touya, Hiroki, 4,858,901, Cl. 269-21.000.
- Touzani, William. Freshness and tamper monitoring closure. 4,887,730, 12-19-89, Cl. 215-271.000.
- Touze, Eric, to Societe Nationale d'Etude et de Construction de Moteurs d'Aviation "SNECMA". Screwed attachment of a body of revolution to an annular flange in a turbine engine. 4,883,407, 11-28-89, Cl. 415-190.000.
- Tovar, Juan R.; and Tovar, Maria. Non-spattering hygienic napkin for men. 4,795,450, 1-3-89, Cl. 604-349.000.
- Tovar, Maria: *See—*
  - Tovar, Juan R.; and Tovar, Maria, 4,795,450, Cl. 604-349.000.
- Tovel Manufacturing Limited: *See—*
  - Bentivoglio, Giovanni, 4,889,038, Cl. 92-110.000.
- Tovey, Peter: *See—*
  - Ezell, Larry O.; Schmid, John; and Tovey, Peter, 4,823,552, Cl. 60-443.000.
- Tovrog, Benjamin S.: *See—*
  - Hoppin, Charles R.; and Tovrog, Benjamin S., 4,829,038, Cl. 502-125.000.
- Towae, Freidrich: *See—*
  - Merger, Franz; and Towae, Freidrich, 4,851,565, Cl. 560-115.000.
- Towart, Robertson: *See—*
  - Wehinger, Egbert; Meyer, Horst; Bossert, Friedrich; Vater, Wulf; Towart, Robertson; Stoepel, Kurt; and Kazda, Stanislav, 4,849,433, Cl. 514-356.000.
- Towe, Bruce C.: *See—*
  - Pizziconi, Vincent B.; and Towe, Bruce C., 4,832,034, Cl. 128-632.000.
- Towe, Elias; and Fonstad, Clifton G., Jr., to Massachusetts Institute of Technology. Phase-locked semiconductor laser arrays. 4,827,482, 5-2-89, Cl. 372-44.000.
- Tower, John R., to RCA Corporation. Floating-diffusion electrometer with adjustable sensitivity. 4,811,371, 3-7-89, Cl. 377-60.000.
- Tower Manufacturing Corportion: *See—*
  - Rao, Chepur P.; and Barrena, Juan J., 4,825,020, Cl. 200-16.00D.
- Tower, Stephen N.; Christenson, James A.; and Braun, Howard E., to Westinghouse Electric Corp. Nuclear steam supply system and method of installation. 4,839,137, 6-13-89, Cl. 376-260.000.
- Tower, Steven A.; and Greenspan, Jay S. Hermetic glass chip carrier. 4,855,808, 8-8-89, Cl. 357-74.000.
- Tower, William A.: *See—*
  - Kreiling, William H.; and Tower, William A., 4,857,416, Cl. 428-690.000.
- Towery, Barbara W., legal representative: *See—*
  - Watson, Thomas F.; and Towery, Donald R., deceased, 4,869,953, Cl. 428-260.000.
- Towery, Donald R., deceased: *See—*
  - Watson, Thomas F.; and Towery, Donald R., deceased, 4,869,953, Cl. 428-260.000.
- Towey, Michael: *See—*
  - Lemon, Peter H. R. B.; and Towey, Michael, 4,831,067, Cl. 523-156.000.
- Towle, Ian D. H., to Raychem Limited. Preparation of aromatic polyketones using a strong acid catalyst with a weaker acid solvent. 4,820,792, 4-11-89, Cl. 528-126.000.
- Towle, Ian D. H., to Raychem Limited. Preparation of arylene oligomers. 4,841,011, 6-20-89, Cl. 528-125.000.
- Towle, Ian D. H., to Raychem Limited. Preparation of poly(arylene ether ketones). 4,841,013, 6-20-89, Cl. 528-125.000.
- Towle, Ian D. H., to Raychem Limited. Preparation of monomers. 4,841,094, 6-20-89, Cl. 560-73.000.
- Towle, Ian D. H.; and Horner, Patrick J., to Raychem Limited. Preparation of organic polymers using organometallic capped monomers to produce metal free polymers. 4,845,179, 7-4-89, Cl. 528-9.000.
- Town, Allen W. Glove and method for producing the same. 4,831,667, 5-23-89, Cl. 2-163.000.
- Town Centre Securities, PLC: *See—*
  - Hogg, Jeffrey; and Harwood, Joseph T., 4,841,697, Cl. 52-208.000.
- Town, Joseph E.: *See—*
  - Govaert, Johan A.; and Town, Joseph E., 4,831,262, Cl. 250-363.010.
- Towner, Mark E.: *See—*
  - Salamy, Thomas E.; Love, Marvin L., Jr.; and Towner, Mark E., 4,886,728, Cl. 430-331.000.
- Towner, Stephen J.; and Turk, Robert L., to Outboard Marine Corporation. Linkage for activating throttle and spark advance. 4,829,961, 5-16-89, Cl. 123-413.000.
- Townsend, Arthur M. Filtered waterbed filling system. 4,860,805, 8-29-89, Cl. 141-382.000.
- Townsend, Carl W.: *See—*
  - Ludwig, Frank A.; and Townsend, Carl W., 4,798,774, Cl. 429-12.000.
  - Ludwig, Frank A.; and Townsend, Carl W., 4,865,925, Cl. 429-12.000.
- Townsend, Charles P. Energy absorbing ball. 4,872,676, 10-10-89, Cl. 273-58.00H.
- Townsend, David F.: *See—*
  - Edwards, Derek W.; and Townsend, David F., 4,861,376, Cl. 106-123.100.
- Townsend, Donald L.: *See—*
  - Streich, Herbert K.; Leach, Robert D.; Johnson, Joel R.; Olson, Thomas B.; and Townsend, Donald L., 4,873,422, Cl. 219-370.000.
- Townsend, Donald M.; and Jacklich, John R., to Simpson Dura Vent Company, Inc. Chimney liner system. 4,846,147, 7-11-89, Cl. 126-307.00R.
- Townsend, Douglas W., to Comalco Aluminum, Ltd. Slotted cathode collector bar for electrolyte reduction cell. 4,795,540, 1-3-89, Cl. 204-243.00R.
- Townsend Engineering Company: *See—*
  - Townsend, Ray T., 4,811,459, Cl. 17-21.000.
  - Townsend, Ray T., 4,817,244, Cl. 17-49.000.
- Townsend, Ensley E., to Eastman Kodak Company. Cassette orientation detection apparatus. 4,806,959, 2-21-89, Cl. 354-21.000.
- Townsend, Ensley E., to Eastman Kodak Company. Automatic adjustment of focal length to obtain desired optical reduction ratio in a microfilm camera. 4,884,099, 11-28-89, Cl. 355-55.000.
- Townsend, Ensley E.: *See—*
  - Barry, Robert V.; and Townsend, Ensley E., 4,866,477, Cl. 355-55.000.
  - Momot, David; and Townsend, Ensley E., 4,806,958, Cl. 354-21.000.
  - Momot, David; Townsend, Ensley E.; and LaCourt, Michael W., 4,806,960, Cl. 354-21.000.
- Townsend, Herbert E.: *See—*
  - Steinbicker, Richard N.; Townsend, Herbert E.; and Yau, Yung-Herng, 4,840,712, Cl. 204-28.000.
- Townsend Industries, Inc.: *See—*
  - Townsend, Robert T., 4,876,958, Cl. 101-175.000.
- Townsend, Irving. Textile fabric. 4,881,381, 11-21-89, Cl. 66-1.00A.
- Townsend, John A. Vehicle closure. 4,801,172, 1-31-89, Cl. 296-155.000.
- Townsend, Leslie, to Wiggins Teape Group Limited, The. Imaged microcapsule-coated paper. 4,824,691, 4-25-89, Cl. 427-53.100.
- Townsend, Mitchell: *See—*
  - Townsend, Thomas R.; and Townsend, Mitchell, 4,796,706, Cl. 166-380.000.
- Townsend, Peter B.: *See—*
  - Gelb, Allan S.; Townsend, Peter B.; and Purdy, Erika, 4,855,810, Cl. 357-87.000.
- Townsend, Ray T., to Townsend Engineering Company. Blade for meat skinning machines. 4,811,459, 3-14-89, Cl. 17-21.000.
- Townsend, Ray T., to Townsend Engineering Company. Method and means of lubricating the passage of meat emulsion through the stuffing horn of a meat emulsion encasing machine. 4,817,244, 4-4-89, Cl. 17-49.000.
- Townsend, Robert T., to Townsend Industries, Inc. Swing apparatus for an offset press auxiliary print unit. 4,876,958, 10-31-89, Cl. 101-175.000.

- Townsend, Ted H.; Moore, Clinton L.; and Machnicki, John T., to Alfa-Laval Agri, Inc. Electronic identification system. 4,798,175, 1-17-89, Cl. 119-155.000.
- Townsend, Thomas R.; and Townsend, Mitchell. Liner setting apparatus and method for use in well casings. 4,796,706, 1-10-89, Cl. 166-380.000.
- Townsend, Wesley P.: *See—*
  - Bogatin, Eric L.; Quan, Xina S.; Scalco, Emanuele; Schwartz, Thomas A.; and Townsend, Wesley P., 4,816,811, Cl. 340-712.000.
- Towsend, Marvin S., to Genvention, Inc. Storage container for a station wagon. 4,842,175, 6-27-89, Cl. 224-275.000.
- Towsend, Marvin S., to Genvention, Inc. Portable recording system for telephone conversations. 4,862,509, 8-29-89, Cl. 381-163.000.
- Tox-Dubel-Werk Richard M. Heckhausen GmbH & Co. KG: *See—*
  - Riedel, Josef, 4,861,206, Cl. 411-36.000.
- Toy, Sylvia S. Cook's caddy. 4,799,744, 1-24-89, Cl. 312-229.000.
- Toya, Hideaki; and Hayashi, Tatsuya, to Mitsubishi Denki Kabushiki Kaisha. Vacuum interrupter. 4,855,547, 8-8-89, Cl. 200-144.00B.
- Toya, Hiroo: *See—*
  - Kitamura, Shuji; Okumura, Takuzo; Tadokoro, Yoshio; Toya, Hiroo; Togawa, Yoshiaki; Kikuchi, Toshitsugu; Ohmae, Tadayuki; Okada, Mitsuyuki; Nishihara, Minoru; Shiota, Toshiaki; and Nagai, Hiroyuki, 4,883,717, Cl. 428-458.000.
- Toya, Hisao: *See—*
  - Manabe, Katsuhide; Ogisu, Yasuhiko; Goto, Kazuaki; and Toya, Hisao, 4,836,901, Cl. 204-164.000.
- Toya, Ichizo; and Yasuda, Tomokazu, to Fuji Photo Film Co., Ltd. Silver halide photographic material containing polymer fixation accelerator. 4,812,391, 3-14-89, Cl. 430-564.000.
- Toya, Matsumi, to Kabushiki Kaisha Tiyoda Seisakusho; and Sakura Seiki Kabushiki Kaisha. Cell for placing solid matters on a slide glass under centrifugal force. 4,853,188, 8-1-89, Cl. 422-104.000.
- Toya, Mitsuo: *See—*
  - Okochi, Kastuhiko; Toya, Mitsuo; Naito, Masahito; Inoue, Yoshiaki; and Egusa, Takahiro, 4,812,997, Cl. 364-505.000.
- Toya, Shinichi, to Tachi-s Co., Ltd. Locking mechanism for armrest. 4,848,840, 7-18-89, Cl. 297-417.000.
- Toya, Takao: *See—*
  - Obara, Yuichi; Fuse, Kenichi; Onuma, Yoshihiro; Toya, Takao; and Chiba, Kazuo, 4,836,636, Cl. 350-96.200.
- Toyai Kogyo Kabushiki Kaisha: *See—*
  - Unuma, Sadao, 4,867,591, Cl. 400-616.100.
- Toyama, Akira, to Seikosha Co., Ltd. D/A converter. 4,864,305, 9-5-89, Cl. 341-144.000.
- Toyama, Akiyoshi: *See—*
  - Komatsu, Fumito; Tezuka, Tuneo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,796,120, Cl. 360-96.500.
  - Komatsu, Fumito; Oguchi, Yuzo; Toyama, Akiyoshi; and Iwanami, Kiyoharu, 4,802,040, Cl. 360-78.040.
- Toyama Chemical Co., Ltd.: *See—*
  - Hirai, Shiro; Hirano, Hiroshi; Arai, Hirotoshi; Shibata, Hisanari; Kusayanagi, Yoshikazu; and Hashiba, Kazuhiko, 4,871,765, Cl. 514-471.000.
  - Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
- Toyama, Fumio: *See—*
  - Zaitsu, Yasushi; and Toyama, Fumio, 4,827,144, Cl. 250-574.000.
- Toyama, Hiroaki, to Kabushiki Kaisha Murakoshi Seiko. Hinge. 4,873,743, 10-17-89, Cl. 16-237.000.
- Toyama, Jiro: *See—*
  - Yoshida, Shingo; Akatsuka, Takahisa; Inoue, Osamu; and Toyama, Jiro, 4,849,133, Cl. 252-511.000.
- Toyama, Koichi; Narita, Ko; and Nonaka, Toshihito, to Nippondenso Co., Ltd. Ignition system for internal combustion engine. 4,809,668, 3-7-89, Cl. 123-609.000.
- Toyama, Masamichi: *See—*
  - Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, 4,876,564, Cl. 354-400.000.
  - Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hirofumi; Toyama, Masamichi; and Yamada, Kunihiko, 4,871,906, Cl. 250-201.000.
- Toyama, Mitsuaki; Ebihara, Tameaki; Kawai, Syohei; Kono, Keizo; and Shimoda, Nobuo, to Victor Company of Japan, Ltd. Color television camera having a test pattern projected through a non-incident prism plane. 4,823,187, 4-18-89, Cl. 358-51.000.
- Toyama, Mitsusada: *See—*
  - Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.
- Toyama, Motoo, to Seiko Instruments Inc. Electro-optical device having an amorphous silicon resistive element with carbon. 4,842,372, 6-27-89, Cl. 350-334.000.
- Toyama, Niichi: *See—*
  - Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuchi, Eiji; and Fukuda, Masao, 4,830,882, Cl. 427-421.000.
- Toyama Prefecture: *See—*
  - Tanino, Katsumi; Nakazawa, Yukio; and Kizaki, Takeo, 4,808,326, Cl. 252-62.540.
- Toyama, Sachio: *See—*
  - Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.
- Toyama, Tadao; Ohba, Hisao; and Kunichika, Kenji, to Fuji Photo Film Co., Ltd. Method for manufacture of lithographic printing plate with disposable developer with surfactant. 4,880,724, 1 -14-89, Cl. 430-302.000.
- Toyama, Tadao. *See—*
  - Kobayashi, Kesanao; Ohba, Hisao; and Toyama, Tadao, 4,837,131, Cl. 430-302.000.
- Toyama, Takashi; Narita, Haruyoshi; and Ishii, Tatsuya, to Nissho & Co., Ltd.; Toho Rayon Co., Ltd.; and Nissan Shoji Co., Ltd. Insect-repellent assembly. 4,849,279, 7-18-89, Cl. 428-224.000.
- Toyama, Takeshi: *See—*
  - Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Taketo, 4,878,123, Cl. 358-401.000.
  - Yoshino, Motoaki; Watanabe, Tsunehiro; Miura, Shigeo; Toyama, Takeshi; and Takahashi, Masatomo, 4,843,479, Cl. 358-257.000.
- Toyama, Tetsuo: *See—*
  - Inoguchi, Kazuhiro; Ito, Novuei; Nunogaki, Naochika; and Toyama, Tetsuo, 4,845,061, Cl. 501-97.000.
  - Nunogaki, Naochika; Toyama, Tetsuo; Ito, Nobuei; and Inoguchi, Kazuhiro, 4,814,581, Cl. 219-270.000.
- Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, To[illegible]; and Terada, Hitoshi, to Sony Corporation. Reflow soldering apparatus. 4,847,465, 7-11-89, Cl. 219-85.100.
- Toyama, Tsuyoshi; Kohda, Kenji; and Koyama, Toshihiro, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory including a selectively disabled redunancy circuit. 4,827,452, 5-2-89, Cl. 365-200.000.
- Toybox Corporation: *See—*
  - Matsumoto, Hajime; and Suzuki, Toshio, 4,804,192, Cl. 273-336.000.
  - Ohnuma, Nobuyoshi; and Ueda, Akio, 4,838,828, Cl. 446-446.000.
- Toye, Edward W.; Bowen, Leslie, deceased; Bowen, Janet R., legal representative; and Danks, Walter L., legal representative, to Conveyor Units Limited. Housing and bearing assembly for a live roller conveyor. 4,842,129, 6-27-89, Cl. 198-790.000.
- Toyne, Kenneth J.: *See—*
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., 4,852,977, Cl. 350-350.00S.
  - Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., 4,868,341, Cl. 5[illegible]-664.000.
- Toyo Aluminium Kabushiki Kaisha: *See—*
  - Kamada, Mamoru; Nagase, Fumiaki; Takeuchi, Eiichi; Nakano, Toshihiko; and Makimoto, Shoichi, 4,848,931, Cl. 383-104.000.
  - Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.
  - Nakano, Toshihiko; Nagase, Fumiaki; Takeuchi, Eiichi; Kamada, Mamoru; and Shigematsu, Hideyo, 4,868,033, Cl. 428-201.000.
- Toyo Boseki Kabushiki Kaisha: *See—*
  - Arimatsu, Yoshikazu; Tani, Katsuya; Mitamura, Hideyuki; Saito, Minoru, Kaji, Atsushi; and Katsuo, Kenichi, 4,824,929, Cl. 528-205.000.
  - Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
  - Fujimoto, Susumu; and Kobayashi, Shigeo, 4,806,588, Cl. 524-505.000.
  - Iizuka, Yasuhiro; Inoue, Makoto; and Mitomi, Takeshi, 4,828,666, Cl. 204-255.000.
  - Imagawa, Osamu; Iwanishi, Masazumi; and Yokoyama, Seiichiro, 4,839,701, Cl. 357-2.000.
  - Imagawa, Osamu; Iwanishi, Masazumi; and Yokohama, Seiichiro, 4,866,006, Cl. 437-101.000.
  - Isaka, Tsutomu; and Ohta, Saburo, 4,876,146, Cl. 428-347.000.
  - Kanzaki, Takashi, 4,861,621, Cl. 427-54.100.
  - Kashima, Toshihiro; and Fukuda, Minoru, 4,873,131, Cl. 428-64.000.
  - Kobayashi, Shigeo; and Nishida, Takashi, 4,871,799, Cl. 525-64.000.
  - Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; Chiba, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.
  - Kurita, Kazuo; and Ishihara, Hideaki, 4,859,389, Cl. 264-130.000.
  - Maeda, Satoshi; Yoneda, Ryu; Yokota, Kenichi; and Miyake, Hideo, 4,888,208, Cl. 427-96.000.
  - Ohta, Toshihiko; Okada, Fujio; and Hayashi, Masahiro, 4,800,121, Cl. 428-364.000.
  - Okada, Fujio; and Ohta, Toshihiko, 4,824,619, Cl. 264-40.100.
  - Shirasaki, Yoshikazu; and Inuzuka, Kenichi, 4,840,826, Cl. 428-36.910.
  - Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, 4,808,312, Cl. 210-500.230.
  - Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, 4,886,631, Cl. 264-48.000.
  - Tanaka, Toshikiyo; Yoshida, Ichiro; and Yasuda, Hiroshi, 4,801,491, Cl. 428-212.000.
  - Tsujimoto, Soichiro, 4,846,855, Cl. 55-60.000.
  - Yamagishi, Mashiro; Minagawa, Takumi; and Yoshida, Hiroshi, 4,868,041, Cl. 428-254.000.
  - Yatsuka, Takeshi; Kotera, Nobukazu; and Mizumura, Yutaka, 4,842,942, Cl. 428-425.900.

Yoshihara, Nori, 4,795,771, Cl. 524-114.000.
Toyo Bussan Kabushiki Kaisha: *See—*
Arai, Michio, 4,863,789, Cl. 428-253.000.
Toyo Chemical Co., Ltd.: *See—*
Asakura, Hiroshi, 4,878,976, Cl. 156-190.000.
Toyo Chemical Industry Co., Ltd.: *See—*
Kumasaka, Sadao; and Katsuki, Koretoshi, 4,810,298, Cl. 106-284.400.
Toyo Communication Equipment Co., Ltd.: *See—*
Funatsu, Chuhei; and Kita, Kazuyuki, 4,853,700, Cl. 342-30.000.
Hirama, Kouichi; Shouzi, Tomokazu; and Tanaka, Yoshiaki, 4,870,313, Cl. 310-320.000.
Matsuno, Tatsuji, 4,851,761, Cl. 324-62.000.
Matsuno, Tatsuji, 4,857,830, Cl. 324-62.000.
Matsuno, Tatsuji, 4,857,855, Cl. 324-521.000.
Oshita, Masahide; Isai, Masaaki; and Fukunaka, Toshiaki, 4,874,438, Cl. 148-400.000.
Toyo Contact Lens Co., Ltd.: *See—*
Nakajima, Tatsutoshi; Toyoshima, Nobuyuki; and Yamanaka, Masashige, 4,829,126, Cl. 525-[illegible]83.000.
Toyo Denshoku Kabushiki Kaisha: *See—*
Haranoya, Tomoji; and Iwamoto, Shigeki, 4,886,693, Cl. 428-90.000.
Toyo Denso Kabushiki Kaisha: *See—*
Satoh, Hiroshi; and Mohri, Minoru, 4,808,775, Cl. 200-1.00V.
Toyo Element Industry Co., Ltd.: *See—*
Horikoshi, Kuniaki; Kimura, Mikio; Sone, Mototaka; and Yamazaki, Kunikatsu, 4,832,918, Cl. 422-[illegible].180.
Toyo Engineering Corporation: *See—*
Fujii, Hidetsugu, 4,864,059, Cl. 564-71.000.
Uozu, Hisahiro; Naitoh, Akio; and Numaguchi, Toru, 4,849,187, Cl. 422-197.000.
Toyo Flocking Co.: *See—*
Haranoya, Tomoji; Motegi, Toshio; and Abe, Masaaki, 4,879,969, Cl. 118-638.000.
Toyo Glass Company Limited: *See—*
Minato, Nobuhiro, 4,811,251, Cl. 364-552.000.
Yamato, Yoshihiro; and Gomibuchi, Tadashi, 4,850,696, Cl. 356-237.000.
Toyo Hakka Kogyo Co., Ltd.: *See—*
Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
Toyo Ink Manufacturing Co., Ltd.: *See—*
Enokida, Toshio; and Takano, Shigemasa, 4,882,427, Cl. 540-141.000.
Funatsu, Takenori; Hayashi, Mikio; and Ohtomo, Yoshitaka, 4,810,302, Cl. 106-402.000.
Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, 4,877,681, Cl. 428-336.000.
Hirota, Fumio; Kado, Tsutomu; Oku, Shosuke; and Watanabe, Noboru, 4,879,335, Cl. 524-495.000.
Ishikawa, Hiroshi; Takano, Hiroshi; Ohtomo, Ryosuke; Hoshino, Yoshinori; and Ohyama, Taro, 4,861,647, Cl. 428-216.000.
Koishi, Masumi; Sawada, Manabu; Igarashi, Nobuyuki; and Arikawa, Akira, 4,835,082, Cl. 430-109.000.
Komori, Keiji; Ohta, Masaru; Sawada, Takashi; and Matsuo, Masaaki, 4,835,576, Cl. 355-40.000.
Nonomura, Tsutomu; and Abe, Hidetoshi, 4,873,924, Cl. 101-146.000.
Sakuma, Noburu; and Shimizu, Hideo, 4,810,733, Cl. 523-206.000.
Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, 4,863,825, Cl. 430-109.000.
Toyo Jozo Co., Ltd.: *See—*
Fujiwara, Tatsuro; Watanabe, Hideyuki; and Sakakibara, Hideo, 4,804,749, Cl. 536-7.100.
Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.
Ishimura, Fumihiro; Ishikawa, Satoru; and Akiyama, Seiji, 4,857,469, Cl. 435-280.000.
Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, 4,873,087, Cl. 424-433.000.
Sagai, Hitoshi; Takahara, Masayasu; Katsuragi, Shigeo; Kajiwara, Junboku; and Masujima, Harumi, 4,818,698, Cl. 435-189.000.
Toyo Jozo Kabushiki Kaisha: *See—*
Fujiwara, Tatsuro; Yashiro, Tomoko; and Sakakibara, Hideo, 4,868,290, Cl. 336-7.100.
Fukukawa, Kiyofumi; Hirano, Takao; Tsujino, Masatoshi; and Ueda, Tooru, 4,816,575, Cl. 544-277.000.
Imamura, Shigeyuki; and Misaki, Hideo, 4,845,028, Cl. 435-15.000.
Sasagawa, Tutomu, 4,869,907, Cl. 424-442.000.
Shuto, Satoshi; Ito, Hiromichi; Fukukawa, Kiyofumi; Sakakibara, Hideo; and Tsujino, Masatoshi, 4,797,479, Cl. 536-27.000.
Suzuki, Yukio; Yaso, Masao; Nisimura, Katumi; Saeki, Kenzi; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,175, Cl. 544-354.000.
Takahashi, Mamoru; Imamura, Shigeyuki; and Takada, Masaki, 4,877,733, Cl. 435-190.000.
Yaginuma, Satoshi; Awata, Masashi; Takada, Masaki; and Kinoshita, Kenji, 4,801,697, Cl. 536-4.100.
Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,837,319, Cl. 544-120.000.
Yaso, Masao; Suzuki, Yukio; Honda, Eiichi; Shibata, Kensuke; Kinoshita, Hiroyuki; Takayanagi, Noriyasu; Saito, Tetsu; and Hayashi, Eiichi, 4,870,171, Cl. 544-354.000.
Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,870,176, Cl. 544-408.000.
Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,875, Cl. 544-116.000.
Yaso, Masao; Suzuki, Yukio; Shibata, Kensuke; and Hayashi, Eiichi, 4,877,877, Cl. 544-354.000.
Toyo Kohan Co., Ltd.: *See—*
Kawamura, Hiroaki; Matsubara, Masanobu; Yoshioka, Osamu; and Inui, Tsuneo, 4,816,348, Cl. 428-629.000.
Toyo Machinery Co., Ltd.: *See—*
Ohya, Seiji; and Harada, Tetsuro, 4,860,4[illegible]7, Cl. 51-98.500.
Toyo Medical Co., Ltd.: *See—*
Usui, Shiro, 4,846,568, Cl. 351-246.000.
Toyo Netsu Kogyo Kaisha, Ltd.: *See—*
Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoak 4,799,284, Cl. 15-230.120.
Toriwaki, Masao; Kawakami, Kinya; and Ishino, Tomoak 4,800,611, Cl. 15-308.000.
Toyo Piano Mfg. Co., Ltd.: *See—*
Sato, Masaru, 4,843,939, Cl. 84-230.000.
Toyo Radiator Co., Ltd.: *See—*
Hagihara, Hisao; Banno, Takayuki; Miya, Shigenori; and Tanaka, Norio, 4,876,778, Cl. 29-157.30A.
Nasu, Kenichi; Kawai, Kazuo; and Matsuo, Yoshihiro, 4,831,90 Cl. 123-196.00A.
Toyo Roshi Kaisha Ltd.: *See—*
Kamei, Eiichi; and Shimomura, Yasushi, 4,869,822, Cl. 210-321.70
Toyo Rubber Industry Co., Ltd.: *See—*
Miyoshi, Shoji; and Nomura, Ryuichi, 4,849,149, Cl. 264-210.50
Toyo Seikan Kaisha, Ltd.: *See—*
Francke, Wittko, 4,853,217, Cl. 424-84.000.
Gryouda, Toshio; Inaba, Shouichi; Watanabe, Michio; an Yamaguchi, Kanemichi, 4,885,897, Cl. 53-407.000.
Hirata, Sadao; and Watanabe, Yoshihiko, 4,820,795, C 528-272.000.
Hirata, Shunsaku; Nohara, Shigezo; and Hirata, Sadao, 4,818,5 Cl. 428-36.700.
Igarashi, Reiko; Watanabe, Yoshihiko; and Hirata, Sada 4,837,115, Cl. 428-36.920.
Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiro Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiro 4,863,063, Cl. 220-458.000.
Kawahara, Masayuki; Hotta, Hisashi; Watanabe, Toshiaki; an Otsuka, Shinya, 4,828,136, Cl. 220-270.000.
Maruhashi, Yoshitsugu; Iida, Setsuko; Sugisaki, Takashi; Mizuta Yohji; and Kishida, Nobuhiro, 4,803,036, Cl. 264-526.000.
Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Michi Shimizu, Takashi; and Ikegami, Tamotsu, 4,887,732, C 220-90.600.
Matsuno, Kenji; Imatani, Tsuneo; Sato, Nobuyuki; Teru Osamu; and Kurashima, Hideo, 4,883,937, Cl. 219-121.640.
Nohara, Shigezo; Hirata, Sadao; Matsuo, Junichi; Hirano, Masa and Tanikawa, Isao, 4,798,697, Cl. 264-255.000.
Nohara, Shigezo; Hirata, Sadao; Sugimoto, Takeshi; and Ohk Yoshimichi, 4,816,304, Cl. 428-36.700.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishich Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhi 4,805,795, Cl. 220-75.000.
Sato, Nobuyuki; Matsubayashi, Hiroshi; Kobayashi, Seishich Mitsuhashi, Minoru; Matsuno, Kenji; and Ishibashi, Kazuhi 4,840,304, Cl. 228-214.000.
Takakusaki, Nobuyuki; Mizutani, Yohji; Kishida, Nobuhiro; and Hosokawa, Manabu, 4,850,850, Cl. 425-526.000.
Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashi Masato; and Kobayashi, Hironori, 4,846,936, Cl. 204-1.00T.
Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hid and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.
Watanabe, Michio; Ishibashi, Kazuhisa; Matsuno, Kenji; and Kurashima, Hideo, 4,800,250, Cl. 219-121.630.
Yamada, Muneki; and Kawaguchi, Kiyoshi, 4,876,052, C 264-148.000.
Yamanashi, Shigeaki, 4,815,626, Cl. 220-273.000.
Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Imata Tsuneo; and Kurashima, Hideo, 4,858,782, Cl. 220-458.000.
Yazaki, Jinichi; and Tamura, Akihiko, 4,877,662, Cl. 428-36.700
Toyo Soda Manufacturing Co., Ltd.: *See—*
Fukuda, Kenichi; Mori, Takashi; Kurauchi, Yasuhiro; Do Masaharu; and Suematsu, Tetsuya, 4,877,498, Cl. 204-86.000.
Harada, Masashi; Miyazaki, Hiroshi; and Itabashi, Keiji, 4,861,57 Cl. 423-328.000.
Higo, Yuji; Hayashi, Hidechika; and Iwasaki, Shuji, 4,810,659, C 436-180.000.
Ishikawa, Tomohiro; and Kondo, Yozo, 4,818,809, Cl. 528-364.00
Kondo, Yozo; Mori, Mitsuhiro; Sato, Morihiko; Chikusa, Toshikazu; and Ito, Hitoshi, 4,804,726, Cl. 526-124.000.
Kumoi, Sadakatsu; Mitarai, Keiji; and Tsutsumi, Yukihiro 4,845,297, Cl. 564-487.000.
Miyanaga, Akiyoshi; and Umino, Masuo, 4,808,540, C 436-150.000.
Nagano, Mineo; and Saito, Michio, 4,826,935, Cl. 526-230.500.
Nakagawa, Tatsushi; Narui, Mamoru; and Sakanaka, Yasuhiro 4,871,815, Cl. 525-344.000.

Sekizawa, Kazuhiko; Miyake, Takanori; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,849,560, Cl. 570-208.000.
Someya, Shinzo; Koura, Seigo; Ito, Mikio; Nakanishi, Akira; and Nonaka, Yuji, 4,841,035, Cl. 546-270.000.
Suzuki, Hideo; Iwasaki, Shuji; Kamada, Satoru; and Higo, Yuji, 4,816,408, Cl. 435-311.000.
Takahashi, Hiroaki; Okada, Haruo; Matsumoto, Katsuya; and Umino, Masuo, 4,879,039, Cl. 210-635.000.
Tsutsumi, Yoshitaka; Seita, Toru; Shuyama, Hideo; Matsumura, Kousaburou; and Nakazawa, Kyoko, 4,822,721, Cl. 430-325.000.
Wakamatsu, Hideotoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,303, Cl. 560-41.000.
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Hiyotaka, 4,831,180, Cl. 560-41.000.
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,835,301, Cl. 560-41.000.
Toyo Soda Manufacturing Co., Ltd: *See—*
Wakamatsu, Hidetoshi; Irino, Shigeaki; Harada, Tsuneo; Tokuda, Akira; and Oyama, Kiyotaka, 4,810,818, Cl. 560-41.000.
Toyo Stauffer Chemical Co., Ltd.: *See—*
Yamamoto, Hisashi; and Maruoka, Keiji, 4,798,903, Cl. 556-432.000.
Toyo Tanson Co., Ltd.: *See—*
Matsuo, Koichiro; Maekawa, Kazuhiro; and Kondo, Teruhisa, 4,888,242, Cl. 428-408.000.
Toyo Tire & Rubber Co., Ltd.: *See—*
Fukushima, Shigeyoshi; Uno, Hidehiro; and Mimura, Shigetoshi, 4,798,756, Cl. 428-198.000.
Ishijo, Osamu; Asama, Shoji; and Kuwabara, Tsutomu, 4,832,780, Cl. 156-360.000.
Komai, Yukio; and Oda, Keijiro, 4,858,666, Cl. 152-556.000.
Kondo, Nobuaki; and Yamazaki, Shinichi, 4,837,881, Cl. 5-464.000.
Nakayama, Rinichi; Yoshida, Yasunori; and Iwama, Satoshi, 4,840,988, Cl. 524-476.000.
Sogi, Hidehito; and Hori, Toshiyuki, 4,803,118, Cl. 428-246.000.
Takahira, Koji, 4,828,001, Cl. 152-451.000.
Yamada, Yoshio; and Hashiyama, Mitsuaki, 4,823,161, Cl. 355-15.000.
Toyo Yakushoku Kogyo Co., Ltd.: *See—*
Hikino, Hiroshi; and Hayashi, Teruaki, 4,801,582, Cl. 514-54.000.
Toyobo Petcord Co., Ltd.: *See—*
Yabuki, Kazuyuki; Kohmura, Yohji; Iwasaki, Mitsuo; and Yasuda, Hiroshi, 4,827,999, Cl. 152-451.000.
Toyoboseki Kabushiki Kaisha: *See—*
Ichikawa, Rinjiro; and Ishida, Toshio, 4,802,742, Cl. 350-339.00R.
Toyoda, Akio: *See—*
Tsukamoto, Yukihide; Sato, Yasuhiro; Seino, Minoru; and Toyoda, Akio, 4,835,041, Cl. 428-215.000.
Toyoda Gosei Co., Ltd.: *See—*
Fujisawa, Norio; Sakamoto, Toshishige; Ito, Toshiyasu; and Shimada, Junichi, 4,872,745, Cl. 350-357.000.
Hanabusa, Hisao, 4,853,125, Cl. 210-172.000.
Hara, Noboru; and Sugiyama, Shogo, 4,856,908, Cl. 366-182.000.
Hayashi, Chikahisa; Inui, Shuji; Hiramitsu, Tetsushi; Hirano, Atsuo; and Kantoh, Takanori, 4,804,857, Cl. 307-10.00R.
Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.
Hayashi, Chikahisa; Kawai, Makoto; and Hirose, Yoshikazu, 4,845,986, Cl. 73-290.00R.
Hiramitsu, Tetsushi; Ono, Satoshi; Hirano, Atsuo; and Murase, Zenzaburo, 4,796,482, Cl. 74-492.000.
Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-90.000.
Inayama, Yukiyoshi; Sorimachi, Akio; Sugizaki, Tomohiro; Goto, Shinichi; Satou, Kouichi; Nagata, Masatoshi; and Nagata, Takuji, 4,833,847, Cl. 52-208.000.
Inui, Shuji; Hayashi, Chikahisa; Kikuta, Mitsuhiro; Ono, Satoshi; Kawai, Makoto; Sano, Yoshio; Hirosawa, Kunikazu; and Kanai, Makoto, 4,868,355, Cl. 200-61.540.
Ito, Toshiyasu; Mori, Takaaki; Minoura, Jun; and Adachi, Mikio, 4,832,468, Cl. 350-357.000.
Ito, Toshiyasu; Minoura, Jun; Mori, Takaaki; Takahashi, Shigeyuki; Kato, Mamoru; Shimada, Junichi; and Hayakawa, Fujio, 4,874,229, Cl. 350-357.000.
Iuchi, Yasuaki, 4,800,775, Cl. 74-552.000.
Iuchi, Yasuaki, 4,876,915, Cl. 74-552.000.
Iwasa, Tadanobu; Sasayama, Masataka; Ohashi, Masaki; and Kurimoto, Isao, 4,866,101, Cl. 521-95.000.
Kaga, Koichi; Hosoi, Akio; and Yamaguchi, Takao, 4,872,364, Cl. 74-484.00H.
Kasugai, Joji; Ohashi, Tamiyoshi; and Toki, Satoshi, 4,795,053, Cl. 220-203.000.
Kasugai, Joji; Toki, Satoshi; Enomoto, Koji; and Suzuki, Takamasa, 4,815,705, Cl. 251-356.000.
Kasugai, Joji; Toki, Satoshi; and Ide, Masayuki, 4,854,471, Cl. 220-288.000.
Kisanuki, Hisayuki, 4,817,336, Cl. 49-476.000.
Kisanuki, Hisayuki; and Yamada, Masami, 4,843,759, Cl. 49-480.000.
Kobayashi, Teruo, 4,811,472, Cl. 29-159.00B.
Kogiso, Harumi; and Akachi, Keiji, 4,827,670, Cl. 49-476.000.
Kurita, Toshinori; Enomoto, Masaaki; and Nagamatsu, Hidetoshi, 4,836,722, Cl. 409-132.000.
Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.
Manabe, Katsuhide; Ogisu, Yasuhiko; Goto, Kazuaki; and Toya, Hisao, 4,836,901, Cl. 204-164.000.
Mizutani, Junichi; Muroi, Ryoichi; Hayashi, Chikahisa; Sano, Yoshio; and Komatsu, Moriyuki, 4,843,477, Cl. 358-248.000.
Murachi, Tatsuya; and Nakane, Masakazu, 4,849,468, Cl. 524-523.000.
Nagata, Atsushi, 4,879,923, Cl. 74-552.000.
Nagata, Takuji; and Kuzuya, Yasuhisa, 4,853,263, Cl. 428-31.000.
Nagata, Takuji; and Nagano, Akiyoshi, 4,869,937, Cl. 428-31.000.
Nakashima, Kunihiko; Sugiura, Hiroshi; Murachi, Tatsuya; and Nakane, Masakazu, 4,804,584, Cl. 428-424.200.
Nishikawa, Masayuki; Miyazaki, Takeshi; Shigeki, Terumitsu; Mizutani, Satoshi; and Isono, Toru, 4,854,030, Cl. 29-510.000.
Nishiki, Hiroyuki; and Kokuryu, Yuji, 4,840,408, Cl. 285-62.000.
Niwa, Minoru; and Hashiba, Takahiro, 4,808,776, Cl. 200-61.550.
Noda, Kazushi; and Kanai, Makoto, 4,871,991, Cl. 340-384.00E.
Nozaki, Masahiro, 4,872,288, Cl. 49-485.000.
Nozaki, Masahiro; and Hikosaka, Atusi, 4,884,370, Cl. 49-479.000.
Ogawa, Kazuo; Oohashi, Masaki; and Kamiya, Tomoyuki, 4,851,067, Cl. 156-244.180.
Onishi, Kunikazu; Kisanuki, Hisayuki; and Naito, Takeshi, 4,864,774, Cl. 49-440.000.
Sasajima, Muneharu, 4,867,599, Cl. 403-405.100.
Sato, Kenji, 4,838,976, Cl. 156-245.000.
Shiraki, Kouji; Niwa, Minoru; Itou, Kuniyasu; Yamamoto, Tadashi; and Harata, Mitsuru, 4,852,907, Cl. 280-731.000.
Sugimoto, Masatoshi; and Kurosaki, Toshiki, 4,806,351, Cl. 428-421.000.
Sugiura, Hidemi; Ukai, Mikio; and Miyamoto, Kenji, 4,852,891, Cl. 277-212.0FB.
Suzuki, Satoshi; and Shigeki, Kiyoshi, 4,819,382, Cl. 49-497.000.
Takimoto, Masahiro, 4,889,673, Cl. 264-118.000.
Ukai, Mikio; Furukawa, Takashi; and Hojo, Yasuo, 4,805,921, Cl. 277-212.0FB.
Ushida, Yoshio; and Jinushi, Sinji, 4,824,873, Cl. 521-137.000.
Yokoi, Hiroshi; Ogawa, Yoshihiro; and Imai, Hideyuki, 4,806,437, Cl. 428-623.000.
Yoshioka, Shigeo, 4,823,576, Cl. 72-17.000.
Toyoda, Hiroaki: *See—*
Kinbara, Minoru; and Toyoda, Hiroaki, 4,828,455, Cl. 415-131.000.
Toyoda, Hirokazu, to Sasaki Glass Co., Ltd. Speaker system. 4,865,153, 9-12-89, Cl. 181-153.000.
Toyoda, Hiroshi; Shimizu, Shigemi; Hatakeyama, Hideharu; Kumagai, Shuzo; and Takahashi, Hareo, to Sanden Corporation. Wobble plate type compressor with a drive shaft attached to a cam rotor at an inclination angle. 4,870,894, 10-3-89, Cl. 92-71.000.
Toyoda, Hiroshi: *See—*
Muguruma, Hiroshi; Toyoda, Hiroshi; and Sawano, Takayasu, 4,834,148, Cl. 140-119.000.
Toyoda Iron Works Co., Ltd.: *See—*
Kanno, Kimio, 4,876,914, Cl. 74-538.000.
Kanno, Kimio, 4,881,425, Cl. 74-538.000.
Toyoda, Kazuhiko, to Fujitsu Limited. Semiconductor memory device having pulse width control circuit. 4,802,131, 1-31-89, Cl. 365-230.000.
Toyoda, Kazuhiro; and Ono, Chikai, to Fujitsu Limited. Bipolar type static memory cell. 4,815,037, 3-21-89, Cl. 365-156.0
Toyoda, Kazuo: *See—*
Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,804,168, Cl. 266-235.000.
Otsuka, Ryotatsu; Tanimoto, Shigemi; and Toyoda, Kazuo, 4,854,968, Cl. 75-63.000.
Toyoda, Kenichi; Mizuno, Tohru; Torii, Nobutoshi; Kanda, Yuichi; and Morikawa, Shigehiro, to Fanuc Ltd. Control apparatus for automatic arc welding machine. 4,857,700, 8-15-89, Cl. 219-124.340.
Toyoda, Kenichi: *See—*
Nakashima, Seiichiro; Toyoda, Kenichi; and Torii, Nobutoshi, 4,835,362, Cl. 219-130.100.
Toyoda Koki Kabushiki Kaisha: *See—*
Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, 4,817,751, Cl. 180-233.000.
Asano, Hiroaki, 4,821,604, Cl. 74-718.000.
Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, Cl. 51-165.710.
Eto, Kunihiko; Takeuchi, Shiro; Mori, Yutaka; Tanooka, Shigeo; Kodama, Kazumasa; and Matsumoto, Tsutomu, 4,858,134, Cl. 364-424.050.
Eto, Kunihiko; and Takeuchi, Shiro, 4,864,873, Cl. 73-862.320.
Imai, Tomoyasu; Mukai, Ryouhei; and Tsutsui, Toshihiro, 4,866,887, Cl. 51-325.000.
Maruyama, Toshio; Nakano, Hiroshi; and Sakakibara, Yasuji, 4,848,038, Cl. 51-281.00C.
Nakamura, Keiichi; Tanaka, Tsuneo; Inaguma, Yoshiharu; and Shiratori, Harunori, 4,798,050, Cl. 60-329.000.
Nakamura, Keiichi; Honaga, Susumu; Suzuki, Mikio; and Kawakami, Hiroshi, 4,805,714, Cl. 180-141.000.
Ohta, Takeshi; Kamiya, Yoji; Nakashima, Kunimichi; and Taniguchi, Mitsuyoshi, 4,797,052, Cl. 414-744.300.
Sugita, Kazuhiko; Sugiyama, Kazuhisa; and Nakane, Yasumasa, 4,865,465, Cl. 384-12.000.
Suzuki, Ikuo; Yoneda, Takao; Hotta, Takayuki; and Yonezu, Toshihiro, 4,884,373, Cl. 51-165.710.

  - Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.
  - Takagi, Masayoshi; and Okada, Yashuhiro, 4,868,960, Cl. 29-33.00P.
  - Tanaka, Tsuneo; and Mori, Katsuhisa, 4,799,514, Cl. 137-625.230.
  - Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
  - Yoneda, Takao; and Ohmura, Haruo, 4,810,945, Cl. 318-571.000.
  - Yoneda, Takao; Yamauchi, Tadashi; and Sakakibara, Yasuji, 4,815,000, Cl. 364-474.340.
- Toyoda Machine Works, Ltd.: *See—*
  - Noda, Shigeo, 4,890,306, Cl. 377-15.000.
- Toyoda, Minoru: *See—*
  - Sasaki, Hiroaki; Toyoda, Minoru; Sada, Jun; Takahashi, Sueo; and Suzuki, Shigeru, 4,835,352, Cl. 219-10.55E.
- Toyoda, Noriyuki: *See—*
  - Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
- Toyoda, Satoru: *See—*
  - Maeba, Yoshiyasu; Toyoda, Satoru; and Naruse, Humio, 4,816,046, Cl. 55-209.000.
- Toyoda, Shigehiro: *See—*
  - Taki, Teluomi; and Toyoda, Shigehiro, 4,829,881, Cl. 92-88.000.
- Toyoda, Takashi: *See—*
  - Yamada, Minoru; and Toyoda, Takashi, 4,810,622, Cl. 430-420.000.
  - Yamada, Minoru; Toyoda, Takashi; and Seto, Kunio, 4,839,273, Cl. 430-634.000.
- Toyoda, Tatsuo, to Aisin Seiki Kabushiki Kaisha. Method of producing a reinforced ceramic. 4,814,127, 3-21-89, Cl. 264-56.000.
- Toyoda, Toshihiro: *See—*
  - Kouno, Masahiro; Mizutani, Kazumi; Osawa, Masanori; Shizuka, Kohei; Toyoda, Toshihiro; and Nakano, Hiromi, 4,795,795, Cl. 528-53.000.
- Toyoda, Toshiro: *See—*
  - Nomura, Shinnya; Toyoda, Toshiro; and Ikenoya, Kazuhisa, 4,839,591, Cl. 324-208.000.
- Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, to Canon Kabushiki Kaisha. Brake device for a shutter. 4,829,329, 5-9-89, Cl. 354-252.000.
- Toyoda, Yasuhiro; and Fukuda, Tsuyoshi, to Canon Kabushiki Kaisha. Brake device for shutter. 4,847,649, 7-11-89, Cl. 354-252.000.
- Toyoda, Yasushi; Mishiba, Saburo; and Nishioka, Toshiyasu, to Sumitomo Naugatuck Co., Ltd. Adhesive composition. 4,861,820, 8-29-89, Cl. 524-510.000.
- Toyoda, Yoshiaki: *See—*
  - Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, 4,810,482, Cl. 423-347.000.
- Toyoda, Yoshiharu; Mikata, Yoshitaka; and Yamano, Shoji, to Yamato Scale Company, Limited. Weighing and packing device. 4,840,240, 6-20-89, Cl. 177-25.180.
- Toyoda, Yoshiharu: *See—*
  - Inoue, Shinichi; and Toyoda, Yoshiharu, 4,817,026, Cl. 364-724.010.
- Toyofuku, Kunitaka; Morita, Yasuyoshi; and Michikawa, Kohei, to Oji Paper Company, Ltd. Fat-desensitizing composition for litho printing plates comprising phytic acid, polyethylene glycol and a glycol compound. 4,834,797, 5-30-89, Cl. 106-2.000.
- Toyofuku, Kunitaka; Sato, Hiroaki; and Michikawa, Kohei, to Oji Paper Co., Ltd. Laser-sensitive electrophotographic material. 4,879,195, 11-7-89, Cl. 430-89.000.
- Toyofuku, Toshihiro: *See—*
  - Fujiwara, Haruyoshi; and Toyofuku, Toshihiro, 4,808,445, Cl. 427-428.000.
- Toyofuku, Toshiyuki: *See—*
  - Asakura, Yasuo; and Toyofuku, Toshiyuki, 4,862,207, Cl. 354-453.000.
- Toyoguchi, Yoshinori; Yamaura, Junichi; Matsui, Tooru; and Iijima, Takashi, to Matsushita Electric Industrial Co., Ltd. Rechargeable electrochemical apparatus and negative electrode thereof. 4,851,309, 7-25-89, Cl. 429-194.000.
- Toyokako Kabushiki Kaisha: *See—*
  - Tanino, Katsumi; and Nakada, Morihito, 4,826,616, Cl. 252-62.900.
- Toyokawa, Yasufumi: *See—*
  - Matsuzawa, Masafumi; Hokari, Hiroshi; Kusano, Shoji; Miyazawa, Takeshige; and Toyokawa, Yasufumi, 4,875,930, Cl. 71-106.000.
  - Motojima, Kenji; Miyazawa, Takeshige; Toyokawa, Yasufumi; Matsuzawa, Masafumi; Hokari, Hiroshi; and Kusano, Shoji, 4,866,201, Cl. 560-126.000.
  - Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, 4,889,552, Cl. 71-92.000.
- Toyokawa, Yasuhumi: *See—*
  - Shigematsu, Masahiro; Ohi, Hideo; Kusano, Shoji; Miyazawa, Takeshige; Takahashi, Satoru; Toyokawa, Yasuhumi; and Kajiwara, Ikuo, 4,832,729, Cl. 71-92.000.
- Toyoko Kagaku Co., Ltd.: *See—*
  - Yagisawa, Shigeru, 4,811,976, Cl. 285-328.000.
- Toyoma Chemical Company, Ltd.: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
- Toyomoto, Kazuo; Terada, Eigo; Kobayashi, Hiroshi; and Kageura, Yoshiaki, to Asahi Kasei Kogyo Kabushiki Kaisha. Permeable polymer membrane for dessication of gas. 4,844,719, 7-4-89, Cl. 55-16.000.
- Toyomura, Shigeru, to Canon Kabushiki Kaisha. Electronic equipment with a printer. 4,843,591, 6-27-89, Cl. 364-900.000.
- Toyonaga, Keiji; and Ueno, Ichiro, to Toyota Jidosha Kabushiki Kaisha; and Tsubakimoto Chain Co. 90 degrees turning device with means for constant angular velocity. 4,886,155, 12-12-89, Cl. 198-377.000.
- Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, to Matsushita Electric Industrial Co., Ltd. Method of producing an electrically-conductive transparent film. 4,859,496, 8-22-89, Cl. 427-53.100.
- Toyono, Tsutomu: *See—*
  - Kaneko, Shuzo; Toyono, Tsutomu; and Kanbe, Junichiro, 4,796,980, Cl. 350-350.00S.
  - Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
  - Mouri, Akihiro; Kitayama, Hiroyuki; Kaneko, Shuzo; Takahashi, Tohru; Enari, Masahiko; Kuno, Mitsutoshi; and Toyono, Tsutomu, 4,818,078, Cl. 350-350.00S.
  - Mouri, Akihiro; Toyono, Tsutomu; Kaneko, Shuzo; Inaba, Yutaka; and Kanbe, Junichiro, 4,836,656, Cl. 350-350.00S.
- Toyooka, Shinichi: *See—*
  - Kato, Chiaki; Hatta, Toshiyuki; Isomura, Akihiko; Toyooka, Shinichi; and Nishi, Masaya, 4,844,953, Cl. 427-387.000.
- Toyooka, Takashi: *See—*
  - Sato, Toshihiro; Toyooka, Takashi; Kodama, Naoki; Takeuchi, Teruaki; Takeshita, Masatoshi; and Suzuki, Ryo, 4,837,741, Cl. 365-12.000.
- Toyooka, Yutaka: *See—*
  - Kishida, Kazuo; Toyooka, Yutaka, and Kimura, Atsushi, 4,804,70 Cl. 525-66.000.
  - Kishida, Kazuo; Toyooka, Yutaka; and Mikami, Yoshiyuki, 4,877,844, Cl. 525-316.000.
- Toyoroki Seizo Co., Ltd.: *See—*
  - Yamaguchi, Yoshinobu; Terasawa, Mutsumi; and Sasagase, Mitsuo, 4,813 385, Cl. 123-2.000.
- Toyosawa, Shinichi: *See—*
  - Ogawa, Masao; Harada, Toyoo; Toyosawa, Shinichi; Shinoda, Isamu; Kawagoe, Takahiro; Daifuku, Hideharu; and Masuda, Yoshitomo, 4,824,745, Cl. 429-213.000.
- Toyosawa, Yukio: *See—*
  - Kurakake, Mitsuo; Sakamoto, Keiji; and Toyosawa, Yukio, 4,859,920, Cl. 318-567.000.
  - Sakamoto, Keiji; and Toyosawa, Yukio, 4,851,754, Cl. 318-616.000.
- Toyoshi, Naoki; and Oka, Takeki, to Minolta Camera Kabushiki Kaisha. Electro-static photo-copier machine. 4,821,076, 4-11-89, Cl. 355-3.00R.
- Toyoshi, Naoki: *See—*
  - Oka, Tateki; Toyoshi, Naoki; Myochin, Hisashi; and Yokoyama, Tomoaki, 4,821,071, Cl. 355-14.0CH.
  - Oka, Tateki; Toyoshi, Naoki; and Yokoyama, Tomoaki, 4,828,95 Cl. 430-100.000.
  - Oka, Tateki; Toyoshi, Naoki; and Yokoyama, Tomoaki, 4,835,5 Cl. 355-219.000.
  - Okamoto, Hiroshi; Toyoshi, Naoki; Tabuchi, Kenji; Takebe, Kaoru; and Nagao, Taisuke, 4,845,524, Cl. 355-239.000.
  - Takebe, Kaoru; Toyoshi, Naoki; Okamoto, Hiroshi; Tabuchi, Kenji; and Sako, Mineyuki, 4,847,658, Cl. 355-245.000.
- Toyoshi, Takanori: *See—*
  - Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.
- Toyoshima, Akira, to Stanley Electric Co., Ltd. Wedge-base lamp and socket assembly. 4,883,434, 11-28-89, Cl. 439-619.000.
- Toyoshima, Fumitoshi, to Alps Electric Co., Ltd. Composite magnetic head and method of manufacturing the same. 4,831,481, 5-16-89, Cl. 360-118.000.
- Toyoshima, Hisanori: *See—*
  - Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.
- Toyoshima, Ko: *See—*
  - Hishinuma, Itaru; Adachi, Akio; and Toyoshima, Ko, 4,823,585, Cl. 72-247.000.
- Toyoshima, Masakatsu: *See—*
  - Tagawa, Koichi; Matsuzaki, Atsushi; Toyoshima, Masakatsu; and Kondo, Yoshiyuki, 4,866,515, Cl. 358-86.000.
- Toyoshima, Masayasu; Watanabe, Yoshiaki; and Orito, Yoshiaki, to Sumitomo Light Metal Industries, Ltd. Method of producing a high purity aluminum-lithium mother alloy. 4,808,283, 2-28-89, Cl. 204-71.000.
- Toyoshima, Nobuyuki: *See—*
  - Nakajima, Tatsutoshi; Toyoshima, Nobuyuki; and Yamanaka, Masashige. 4,829,126, Cl. 525-283.000.
- Toyoshima, Osamu: *See—*
  - Zenbayashi, Katsuaki; Otsuga, Hisao; Morinaga, Akio; Toyoshima, Osamu; and Shimokawa, Shinji, 4,882,470, Cl. 219-523.000.
- Toyoshima, Shigeshi; Seto, Yoshiko; Shinkai, Hisashi; Toi, Koji; and Kumashiro, Izumi, to Ajinomoto Co., Inc. Hypoglycemic agent. 4,816,484, 3-28-89, Cl. 514-563.000.
- Toyoshima, Shuji: *See—*
  - Ichimura, Shigeru; Nakasuna, Seiko; Kawarai, Takeshi; Nishiyama, Takanori; and Toyoshima, Shuji, 4,885,643, Cl. 358-335.000.
- Toyoshima, Yoshiki: *See—*
  - Ito, Iko; Toyoshima, Yoshiki; Takagishi, Hisao; and Takahashi, Tsutomu, 4,876,371, Cl. 549-517.000.
- Toyota, Akinori: *See—*
  - Kashiwa, Norio; Toyota, Akinori; and Kioka, Mamoru, 4,841,003, Cl. 526-125.000.
  - Kioka, Mamoru; Sugi, Masahiro; Toyota, Akinori; and Kashiwa, Norio, 4,822,840, Cl. 525-240.000.
- Toyota Central Research and Development Laboratories, Inc.: *See—*
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,797,823, Cl. 364-424.050.
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.
  - Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, 4,821,191, Cl. 364-424.100.
  - Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.
- Toyota, Eijiro, to Sumitomo Heavy Industries, Ltd. Electric beam accelerator. 4,808,940, 2-28-89, Cl. 328-233.000.
- Toyota Jidosha Kabushiki Kaisha: *See—*
  - Adachi, Yoshiharu; Nishimuru, Takumi; Takeuchi, Hiroaki; Noguchi, Noboru; Nakanishi, Nobuyasu; and Kuromitsu, Hiromu, 4,800,289, Cl. 303-119.000.
  - Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,857,032, Cl. 464-68.000.
  - Aiki, Shigetaka; Kobayashi, Kiyonori; and Kato, Satoshi, 4,876,917, Cl. 74-574.000.
  - Akiyoshi, Michio; and Hamada, Chiaki, 4,842,343, Cl. 303-103.000.
  - Asada, Toshiyuki; Ushijima, Fumihiro; and Higashiyama, Yasuhiko, 4,872,376, Cl. 74-765.000.
  - Asada, Toshiyuki; Kubo, Seitoku; Nakamura, Shinya; Kinoshita, Masafumi; and Kuroda, Takaaki, 4,879,921, Cl. 74-467.000.
  - Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; and Yoshitsugu, Noritada, 4,850,610, Cl. 280-804.000.
  - Asahara, Makoto; and Shirai, Kenji, 4,800,724, Cl. 60-560.000.
  - Asami, Ken; Sakai, Kazunori; Hori, Shinichi; Nakashima, Noriyuki; Okuda, Yutaka; and Tamura, Kimio. 4,817,418, Cl. 73-118.100.
  - Azuma, Hitoshi; and Tomo, Kentaro, 4,813,297, Cl. 74-675.000.
  - Azuma, Hitoshi; and Mizutani, Hitoshi, 4,819,512, Cl. 74-713.000.
  - Azuma, Kazuo; and Inoue, Masahiko, 4,843,206, Cl. 219-119.000.
  - Baba, Youichiro; Hashimoto, Hirofumi; and Watanabe, Masayuki, 4,878,649, Cl. 251-121.000.
  - Baika, Toyokazu; Nakamura, Norihiko; Noguchi, Hirosi; Tanahasi, Tosio; and Hirose, Katsuhiko, 4,821,686, Cl. 123-65.0VD.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,799,707, Cl. 280-711.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,826,141, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,834,418, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,511, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,836,575, Cl. 280-702.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,852,906, Cl. 280-707.000.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,856,798, Cl. 280-6.110.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Kamimae, Hajime, 4,858,895, Cl. 267-64.160.
  - Buma, Shuuichi; Ohwa, Nobutaka; Takeda, Osamu; and Aburaya, Toshio, 4,869,528, Cl. 280-707.000.
  - Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
  - Chujo, Yoshiki; Inoue, Tokuta; Konomi, Toshiaki; and Hyodo, Yoshihiko, 4,836,174, Cl. 123-571.000.
  - Demura, Hiroshi; Kawahashi, Akira; Hayashi, Kazumi; and Kokubu, Sadao, 4,799,769, Cl. 350-331.00R.
  - Demura, Hiroshi; Hayashi, Kazumi; Oyama, Yasuo; Kokubu, Sadao; Takizawa, Kouji; and Iguchi, Shigeru, 4,820,022, Cl. 350-331.00R.
  - Demura, Takayuki; and Igarashi, Kohei, 4,881,368, Cl. 60-274.000.
  - Donomoto, Tadashi; Koyama, Mototsugu; and Nagaoka, Masaaki, 4,798,770, Cl. 428-547.000.
  - Donomoto, Tadashi, 4,802,524, Cl. 164-97.000.
  - Donomoto, Tadashi; Tanaka, Atsuo; and Tatematsu, Yoshiaki, 4,830,932, Cl. 428-608.000.
  - Fujita, Hiroya, 4,840,149, Cl. 123-90.310.
  - Fukami, Kashirou; Inagaki, Masao; Oomura, Seiji; and Hamamoto, Tooru, 4,794,883, Cl. 123-41.120.
  - Fukura, Kenichi; Hiramatsu, Eiji; and Nishimura, Akira, 4,796,164, Cl. 362-66.000.
  - Fukuta, Kenji; Kaneko, Takaoki; and Takahashi, Yoshinobu, 4,874,453, Cl. 156-345.000.
  - Funahashi, Makoto; Kubo, Seitoku; and Nakamura, Shinya, 4,856,381, Cl. 74-867.000.
  - Furuta, Youichi; Ando, Masamoto; Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,838,621, Cl. 303-115.000.
  - Goshima, Takahiro; Hattori, Yoshiyuki; Kinbara, Hiroji; Otsuki, Hiromi; Nomura, Yoshihisa; and Nakanishi, Nobuyasu, 4,799,048, Cl. 340-626.000.
  - Goto, Katsuhiro, 4,865,299, Cl. 267-140.100.
  - Hamaguchi, Shigeki; Otsuka, Yasuhiro; Taga, Yasunori; Motohiro, Tomoyoshi; and Itoh, Tadayoshi, 4,813,768, Cl. 350-347.00R.
  - Hamaguchi, Shigeki; Ohtsuka, Yasuhiro; Motohiro, Tomoyoshi; Taga, Yasunori; and Ishii, Masahiko, 4,874,664, Cl. 428-325.000.
  - Hamajima, Kaneo; Tanaka, Atsuo; Kubo, Masahiro; and Dohnomoto, Tadashi, 4,852,630, Cl. 164-761.000.
  - Hamano, Hideo; Funato, Yasumichi; and Ida, Shuichiro, 4,841,803, Cl. 74-665.0GE.
  - Hamano, Yukio; Kubo, Seitoku; and Taga, Yutaka, 4,803,901, Cl. 74-867.000.
  - Hamano, Yukio; Kashihara, Yuji; Sakurai, Keita; Yasue, Hideki; and Fukumura, Kagenori, 4,838,124, Cl. 74-866.000.
  - Hamano, Yukio; Tomomatsu, Hideo; Izumi, Fumiaki; and Taga, Yutaka, 4,838,125, Cl. 74-866.000.
  - Hamano, Yukio; and Izumi, Fumiaki, 4,846,021, Cl. 74-866.000.
  - Harada, Kenichi; Uchitani, Nobuki; Kamohara, Tatuyoshi; Satoya, Koichi; and Kato, Takashi, 4,819,601, Cl. 123-438.000.
  - Harada, Yoshiharu; Taga, Yutaka; Fukumura, Kagenori; Hayakawa, Yoichi; and Kawai, Masao, 4,858,500, Cl. 74-866.000.
  - Hashimoto, Hirofumi; and Hayashi, Sensuke, 4,848,657, Cl. 239-11.000.
  - Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.
  - Hayakawa, Shigeru; Shiraishi, Daiichi; and Murakami, Hisakazu, 4,854,617, Cl. 292-216.000.
  - Hayashi, Kazuhiko; Kuroyanagi, Shigeru; and Iwatsuki, Kunihiro, 4,841,447, Cl. 364-431.070.
  - Hayashi, Kotaro; Ito, Sumio; and Kobashi, Kiyoshi, 4,875,336, Cl. 60-286.000.
  - Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.
  - Hayashi, Sensuke; Ota, Koji; and Hashimoto, Hirofumi, 4,869,935, Cl. 427-421.000.
  - Hayashi, Takashi; Tokoro, Setsuo; Watanabe, Tomoyuki; and Shigematsu, Takashi, 4,803,628, Cl. 364-424.100.
  - Hayashi, Takashi, 4,860,863, Cl. 192-0.033.
  - Hayashi, Takashi, 4,867,287, Cl. 192-0.076.
  - Hibino, Ikukazu; and Takahashi, Yoshinobu, 4,824,538, Cl. 204-180.200.
  - Hida, Tsuneo; Takizawa, Sumio; Ishii, Hakumi; Kegasa, Hideo; and Izawa, Minoru, 4,881,020, Cl. 318-626.000.
  - Higuchi, Akira, 4,844,505, Cl. 280-663.000.
  - Hiraku, Akira; Minezawa, Morio; Katoh, Isao; and Itoh, Kouichi, 4,860,715, Cl. 123-519.000.
  - Hirose, Hisashi; Ohta, Takanori; Hara, Shigeo; and Iwata, Kazuo, 4,831,349, Cl. 335-186.000.
  - Hirose, Katsuhiko; Noguchi, Hiroshi; Baika, Toyokazu; Horii, Kingo; Nagaosa, Hideo; Tanahashi, Toshio; and Itoh, Toshio, 4,823,755, Cl. 123-480.000.
  - Hirose, Kiyoo, 4,825,836, Cl. 123-478.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,835,026, Cl. 428-40.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,844,285, Cl. 220-287.000.
  - Horiki, Seinosuke; Makino, Reiji; and Iwata, Hisami, 4,879,158, Cl. 428-159.000.
  - Hosoda, Tomohiko; Nakanishi, Nobuyasu; Shibata, Hirochika; and Saito, Tadao, 4,870,390, Cl. 340-453.000.
  - Ichitani, Yutaka; Imaeda, Masayoshi; Ikeda, Yoshimasa; Nishimura, Yoji; and Seikou, Kiyokazu, 4,802,405, Cl. 98-2.060.
  - Ida, Shuichiro, 4,805,485, Cl. 74-674.000.
  - Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
  - Ikeda, Sadao; and Taguchi, Yoshio, 4,830,929, Cl. 428-542.800.
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,797,823, Cl. 364-424.050.
  - Ikemoto, Hiroyuki; Owa, Nobutaka; Hayashi, Yasutaka; and Doi, Shunichi, 4,807,128, Cl. 364-424.050.
  - Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.
  - Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, 4,821,191, Cl. 364-424.100.
  - Inagaki, Takafumi; and Nakamura, Kazumasa, 4,830,132, Cl. 180-197.000.
  - Inagaki, Takafumi, 4,843,552, Cl. 364-426.030.
  - Inoue, Hideo; Ohta, Masashi; and Sugitani, Tatsuo, 4,848,852, Cl. 303-100.000.
  - Inoue, Hideo; Uchida, Koyoyuki; and Sugitani, Tatsuo, 4,849,890, Cl. 364-426.020.
  - Inui, Masaki, 4,809,832, Cl. 192-53.00F.
  - Inui, Masaki, 4,838,399, Cl. 192-53.00F.
  - Inui, Masaki, 4,842,112, Cl. 192-53.00F.
  - Inui, Masaki; and Ishikawa, Masakazu, 4,869,122, Cl. 74-331.000.
  - Inui, Masaki; Okuda, Shozo; and Hosono, Masaki, 4,875,566, Cl. 192-53.00F.
  - Inuzuka, Yutaka, 4,798,370, Cl. 267-220.000.
  - Ise, Kiyotaka; Minegishi, Harumasa; and Harada, Hiroshi, 4,805,102, Cl. 364-424.050.
  - Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,850,656, Cl. 303-100.000.
  - Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,854,411, Cl. 180-197.000.

Ise, Kiyotaka; Matsumoto, Sinichi; and Miyazaki, Hiroharu, 4,866,623, Cl. 364-426.030.
Ishiguro, Yasuo; Kato, Yoshito; Takeda, Fumiaki; Koide, Mitsuo; Kuno, Toshitaka; and Nakano, Masaru, 4,831,316, Cl. 318-568.130.
Ishiguro, Yasuo; Itou, Yoshizumi; and Shiroshita, Osamu, 4,831,547, Cl. 364-513.000.
Ishiguro, Yasuo; Itou, Yoshizumi; Shiroshita, Osamu; and Nakano, Masaru, 4,836,742, Cl. 414-742.000.
Isobe, Toshiaki; and Oba, Hidehiro, 4,819,490, Cl. 73-861.220.
Isobe, Toshiaki; and Oba, Hidehiro, 4,878,386, Cl. 73-861.220.
Ito, Eiji, 4,833,940, Cl. 74-595.000.
Ito, Shoji, 4,807,656, Cl. 137-43.000.
Itoh, Hiroshi; and Takahashi, Tokuyuki, 4,825,3[illegible]6, Cl. 364-424.100.
Itoh, Hiroshi; and Takada, Mitsuru, 4,872,115, Cl. 364-424.100.
Iwamuro, Minoru; Ishii, Kazunori; and Sarai, Naohito, 4,794,886, Cl. 123-52.00M.
Iwasaki, Eiji; and Isomura, Yukio, 4,842,312, Cl. 292-336.300.
Iwata, Yasuo; Mae, Shigenori; Urai, Yoshio; and Tsunoda, Takayuki, 4,889,557, Cl. 75-249.000.
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,811,223, Cl. 364-424.100.
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,815,340, Cl. 74-858.000.
Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,858,496, Cl. 74-863.000.
Izawa, Minoru; Hamamoto, Tadanao; Ishikawa, Masaru; Dohke, Harumi; and Nakano, Tasuku, 4,890,037, Cl. 315-77.000.
Izumi, Akira; Kishi, Tomomi; and Niwa, Hideo, 4,840,417, Cl. 294-65.500.
Izumi, Fumiaki; and Sekido, Shinji, 4,833,947, Cl. 74-877.000.
Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.
Kaido, Masataka; and Fuwa, Yoshio, 4,847,166, Cl. 428-591.000.
Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; Sugiyama, Etsuo; and Yamada, Yutaka, 4,869,739, Cl. 55-269.000.
Kasegawa, Norimichi, 4,874,059, Cl. 180-249.000.
Kashihara, Yuji; Tage, Yutaka; Nakamura, Yasunari; Ito, Hiroshi; and Takahashi, Tokuyuki, 4,840,247, Cl. 180-249.000.
Kashihara, Yuji, 4,843,922, Cl. 74-866.000.
Kashihara, Yuji; Taga, Yutaka; and Kubo, Seitoku, 4,882,952, Cl. 74-867.000.
Kasugai, Joji; Toki, Satoshi; and Ide, Masayuki, 4,854,471, Cl. 220-288.000.
Katagiri, Masayoshi, 4,805,746, Cl. 188-73.370.
Katayama, Nobuaki; Sasaki, Kan; Koide, Takeharu; and Takimura, Keisuke, 4,802,383, Cl. 74-711.000.
Katayama, Nobuaki; and Sasaki, Kan, 4,815,336, Cl. 74-701.000.
Kato, Eiji; Kadotani, Masanori; Sakaguchi, Yoshikazu; Kubo, Seitoku; Iwatsuki, Kunihiro; Taniguchi, Hiroji; and Harada, Yoshihara, 4,875,665, Cl. 267-170.000.
Kato, Nobuyuki; Takahashi, Tokuyuki; and Itoh, Hiroshi, 4,840,263, Cl. 192-109.00F.
Kato, Nobuyuki; Kuramochi, Koujiro; Nakamura, Shinya; and Houjo, Yasuo, 4,858,646, Cl. 137-596.160.
Katoh, Kenji; Naruoka, Takao; and Iwasaki, Eiji, 4,834,031, Cl. 123-48.00R.
Katsuyama, Kazuo; Ohhashi, Yutaka; and Fukuta, Kenji, 4,844,706, Cl. 417-339.000.
Katumata, Shoji; and Kondo, Shunichi, 4,811,720, Cl. 123-527.000.
Kawai, Taiyo; Nakagawa, Norihisa; and Sano, Shin-ichi, 4,856,473, Cl. 123-308.000.
Kawakami, Hiroshi; Shiratori, Harunori; Sugihara, Koichi; Watanabe, Atsushi; and Kishida, Fumio, 4,858,713, Cl. 180-143.000.
Kayanuma, Nobuaki; and Nagai, Toshinari, 4,809,501, Cl. 60-274.000.
Kikuchi, Kenichi; Kawai, Yoshikane; Satou, Makoto; and Ishii, Hakumi, 4,832,364, Cl. 280-690.000.
Kishimoto, Masashi; Asami, Ken; and Sakai, Kazunori, 4,805,104, Cl. 364-426.010.
Kito, Shozo; Harada, Shoichi; Imai, Hajime; Ohta, Hisatoshi; Suzuki, Masamitsu; and Muramatsu, Tadao, 4,880,092, Cl. 192-4.00A.
Kitoh, Osamu; and Ohashi, Masahiko, 4,874,650, Cl. 428-68.000.
Kobayashi, Nobuo; Tanimoto, Iwao; Watanabe, Atsushi; and Shinto, Hiroaki, 4,800,770, Cl. 74-422.000.
Koide, Toshikazu; Ida, Shuichiro, Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, 4,854,414, Cl. 180-249.000.
Kojima, Fumio; Tachiiri, Yoshikazu; and Kato, Yoshihisa, 4,874,174, Cl. 285-82.000.
Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.
Kouno, Katsumi; Okawa, Susumu; Sugaya, Masami; and Soga, Yoshinobu, 4,857,034, Cl. 474-28.000.
Kouno, Katsumi, 4,884,653, Cl. 180-233.000.
Kumagai, Tadanobu, 4,796,722, Cl. 180-297.000.
Kuromitsu, Hiromu; Nakanishi, Nobuyasu; Shirai, Akira; and Noguchi, Noboru, 4,840,544, Cl. 417-254.000.
Kurosawa, Ryuichi, 4,825,370, Cl. 364-424.050.
Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,834,468, Cl. 303-116.000.
Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,842,344, Cl. 303-117.000.
Kuwana, Kazutaka; Kuromitsu, Hiromu; Takeuchi, Hiroaki; Nakanishi, Nobuyasu; and Hosoda, Tomohiko, 4,846,535, Cl. 303-117.000.
Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,839,041, Cl. 210-168.000.
Maeda, Yorishige, 4,798,391, Cl. 277-139.000.
Maeda, Yoshihiro; Morisaka, Manabu; and Matsumoto, Hisayoshi, 4,848,627, Cl. 224-275.000.
Masegi, Mitsuhiko; Sakurai, Masao; and Aso, Makoto, 4,835,514, Cl. 340-426.000.
Masui, Takatoshi, 4,817,383, Cl. 60-274.000.
Matsui, Hitoshi; and Suzuki, Hiroshi, 4,838,287, Cl. 134-1.000.
Matsui, Kazuma; Hattori, Yoshiyuki; Imani, Yuuichi; Kuno, Akira; and Nomura, Yoshihisa, 4,800,498, Cl. 364-426.020.
Matsumoto, Shinichi; Miyoshi, Naoto; and Sato, Masayasu, 4,808,564, Cl. 502-303.000.
Matsumoto, Shinichi; Ise, Kiyotaka; and Miyazaki, Hiroharu, 4,811,808, Cl. 180-197.000.
Matsumoto, Shinichi; Miyoshi, Naoto; Muraki, Hideaki; Sobukawa, Hideo; Fukui, Masayuki; Kimura, Mareo; and Shinjoh, Hirofumi, 4,843,056, Cl. 502-302.000.
Matsuoka, Hiroki, 4,838,230, Cl. 123-491.000.
Meguro, Kazuhisa; and Ono, Yuichi, 4,805,447, Cl. 73-121.000.
Misaka, Toru; and Fukumura, Sadafumi, 4,842,258, Cl. 267-140.100.
Miya, Yasuhiro; Sawada, Kouji; Tanabe, Masato; Araki, Hitoshi; and Nanno, Takanobu, 4,844,430, Cl. 267-140.100.
Miyagi, Hideo; Ohya, Fumiaki; Fukushima, Koji; and Adachi, Shin, 4,800,863, Cl. 123-559.300.
Miyamaru, Tsuneo, 4,874,254, Cl. 374-208.000.
Miyamoto, Noritaka; Koujiya, Miyuki; Miyake, Joji; Iomoda, Takashi; Ohsawa, Hidetoshi; and Nagami, Tetsuo, 4,885,213, Cl. 428-612.000.
Miyazaki, Hiroshi; Miyatani, Takao; Ishizaki, Akira; and Abe, Shinpei, 4,800,640, Cl. 29-429.000.
Miyazaki, Shizuo; and Fujita, Norio, 4,814,208, Cl. 427-402.000.
Mochizuki, Hiroyuki; Kobayashi, Nobuo; Tamaki, Shigenori; Iwase, Takahiro; Masuda, Naofumi; and Taguchi, Yoshio, 4,806,388, Cl. 427-46.000.
Monden, Yukio; and Manabe, Akira, 4,857,695, Cl. 219-85.220.
Mori, Eiji; Sonoda, Hidefumi; Hiraku, Akira; Katoh, Isao; Itoh, Kouichi; and Minezawa, Morio, 4,809,865, Cl. 220-86.00R.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,818,307, Cl. 148-414.000.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,832,982, Cl. 427-53.100.
Morisawa, Kunio, 4,817,474, Cl. 74-869.000.
Morisawa, Kunio, 4,871,344, Cl. 474-206.000.
Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
Murakami, Akihiro; Matsunaga, Mitsunobu; and Tanemura, Yasunari, 4,840,116, Cl. 98-115.200.
Murakami, Zensaku, 4,852,950, Cl. 303-100.000.
Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, 4,884,[illegible]58, Cl. 74-502.400.
Murata, Kiyohito; and Ushijima, Fumihiro, 4,798,272, Cl. 192-70.250.
Nagai, Toshinari; and Kayanuma, Nobuaki, 4,796,425, Cl. 60-274.000.
Nagai, Toshinari; Masui, Takatoshi; and Katsuno, Toshiyasu, 4,819,427, Cl. 60-274.000.
Nagai, Toshinari, 4,823,270, Cl. 364-431.050.
Nagai, Toshinari; Masui, Takatoshi; Satou, Yasushi; and Katsuno, Toshiyasu, 4,831,838, Cl. 60-274.000.
Nagano, Shuji; and Inui, Masaki, 4,876,919, Cl. 74-650.000.
Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010.
Nagase, Takashi; and Taguchi, Yoshio, 4,867,660, Cl. 425-4.00R.
Nakamura, Keiichi; Tanaka, Tsuneo; Inaguma, Yoshiharu; and Shiratori, Harunori, 4,798,050, Cl. 60-329.000.
Nakamura, Tetsuya; Hobo, Nobuhito; Masuda, Akira; and Shinoda, Kazuo, 4,825,373, Cl. 364-431.050.
Nakanishi, Nobuyasu; Noguchi, Noboru; Aizawa, Hideyuki; and Ito, Kenzi, 4,797,612, Cl. 324-173.000.
Nakano, Jiro; and Ogawa, Takashi, 4,806,845, Cl. 324-57.00N.
Nakano, Jiro; and Ito, Yoshizo, 4,836,016, Cl. 73-118.100.
Nakawaki, Yasunori; Numazawa, Akio; and Hayashi, Takashi, 4,836,056, Cl. 74-866.000.
Naruoka, Takao; and Iwasaki, Eiji, 4,830,517, Cl. 384-255.000.
Naruse, Kazuo; Kitano, Mikio; and Tobita, Hideaki, 4,802,616, Cl. 228-4.100.
Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,825,770, Cl. 104-162.000.
Naruse, Kazuo; Tobita, Hideaki; and Shibata, Yoichi, 4,860,663, Cl. 104-162.000.
Nishikawa, Seiichi; and Saitou, Tadashi, 4,866,624, Cl. 364-424.030.
Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,953, Cl. 280-807.000.
Nomura, Yoshihisa, 4,835,967, Cl. 60-404.000.
Norota, Kazuhiko; Yoshioka, Mamoru; and Ohnaka, Hidemi, 4,825,841, Cl. 123-571.000.
Numazawa, Akio; Kubo, Seitoku; and Kuramochi, Koujiro, 4,836,050, Cl. 74-695.000.
Numazawa, Akio; Sato, Akira; and Ushijima, Fumihiro, 4,860,607, Cl. 74-330.000.
Oba, Hidehiro; and Kato, Senji, 4,886,030, Cl. 123-488.000.

Ogasawara, Shinji; Isomura, Yukio; and Okudaira, Souichiro, 4,858,973, Cl. 292-347.000.
Ogino, Mineo; and Ohnishi, Masazumi, 4,821,551, Cl. 72-302.000.
Ohashi, Michihiro; and Nakamura, Norio, 4,881,509, Cl. 123-571.000.
Ohata, Akira, 4,843,553, Cl. 364-426.040.
Ohata, Akira, 4,860,707, Cl. 123-399.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,804,966, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,804,967, Cl. 343-712.000.
Ohe, Junzo; and Konda, Hiroshi, 4,804,968, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,806,942, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,811,024, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,811,025, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,811,330, Cl. 455-277.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,816,837, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,819,001, Cl. 345-712.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,821,042, Cl. 343-712.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,823,141, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,823,142, Cl. 343-713.000.
Ohe, Junzo; and Kondo, Hiroshi, 4,845,505, Cl. 343-712.000.
Okabe, Yoshio; Kobayashi, Yukimori; Ishikawa, Makoto; Kamiya, Tamotsu; and Atsumi, Tomiaki, 4,798,563, Cl. 474-110.000.
Okamura, Hiromasa; and Yamada, Masahiro, 4,867,284, Cl. 188-218.0XL.
Okamura, Shotaro; and Shimomura, Satoshi, 4,842,299, Cl. 280-732.000.
Okane, Yukihiro; Endo, Koji; and Nakai, Masayoshi, 4,802,456, Cl. 123-564.000.
Okumura, Atsuo; and Demura, Takayuki, 4,811,557, Cl. 60-274.000.
Okumura, Atsuo; Ujino, Masato; and Kawase, Takashi, 4,817,384, Cl. 60-274.000.
Okumura, Atsuo, 4,840,027, Cl. 60-274.000.
Okuwaki, Shigeru; Ohkawa, Susumu; Jufuku, Yasunobu; and Tatara, Yuudai, 4,795,409, Cl. 474-245.000.
Omura, Seiji, 4,823,744, Cl. 123-41.120.
Onishi, Akito, 4,864,998, Cl. 123-489.000.
Onuma, Masashi, 4,830,079, Cl. 157-1.240.
Oomura, Seiji; Fukami, Kashirou; Inagaki, Masao; and Hamamoto, Tooru, 4,798,177, Cl. 12.3-41.120.
Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.
Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.
Ouchi, Mitsuyuki, 4,821,601, Cl. 74-71.000.
Ouchi, Mitsuyuki; and Aono, Kouichi, 4,841,808, Cl. 74-710.500.
Ouchi, Mitsuyuki; and Aono, Koichi, 4,872,373, Cl. 74-711.000.
Saitoh, Mitsuhiro, 4,799,047, Cl. 340-618.000.
Sakaguchi, Yoshikazu; Taga, Yutaka; and Kashihara, Yuji, 4,840,092, Cl. 74-869.000.
Sasaki, Kan; Takimura, Keisuke; and Katayama, Nobuaki, 4,867,001, Cl. 74-424.000.
Sasaki, Noboru; Yamada, Haruki; Onchi, Yoshiaki; and Horio, Kazuya, 4,800,362, Cl. 340-78.000.
Sato, Yoshihisa; Hirabayashi, Yuji; Ina, Katsuhiro; Ito, Katsunori; Akiyama, Susumu; Saito, Takao; and Tanigawa, Tetsuo, 4,835,671, Cl. 364-186.000.
Sato, Yoshihisa; Hirabayashi, Yuji; Akiyama, Susumu; Ito, Katsunori, and Saito, Takao, 4,864,568, Cl. 371-8.200.
Sawada, Daisaku, 4,814,659, Cl. 310-328.000.
Sawada, Daisaku; and Takahashi, Takeshi, 4,858,439, Cl. 60-583.000.
Serizawa, Minoru; and Tazuke, Yutaka, 4,794,816, Cl. 74-574.000.
Serizawa, Minoru; and Tazuke, Yutaka, 4,815,332, Cl. 74-573.00R.
Serizawa, Minoru; and Tazuke, Yutaka, 4,881,426, Cl. 74-574.000.
Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.
Shibata, Yoshiaki; and Ohnaka, Hidemi, 4,799,466, Cl. 123-327.000.
Shibuya, Nobuhiro; Takahashi, Hideyuki; and Nishio, Takeyoshi, 4,863,997, Cl. 525-92.000.
Shigematsu, Takashi; Watanabe, Tomoyuki; Tokoro, Setsuo; and Sawada, Daisaku, 4,817,459, Cl. 74-866.000.
Shima, Kotaro; Ohba, Masaharu; and Nonaka, Masakatsu, 4,881,753, Cl. 280-707.000.
Shimizu, Hidetoshi; Terada, Shigeru; and Mishio, Yasuhiko, 4,819,163, Cl. 364-424.100.
Shioda, Yasuhiro; Nakamura, Shinya; Funahashi, Makoto; and Kubo, Seitoku, 4,881,725, Cl. 267-179.000.
Shirai, Kenji, 4,812,777, Cl. 303-14.000.
Shirai, Kenji; and Nomura, Yoshihisa, 4,876,853, Cl. 60-547.100.
Soga, Yoshinobu; Kouno, Katsumi; Sugaya, Masami; and Okawa, Susumu, 4,867,732, Cl. 474-28.000.
Sonoda, Akikazu; Fujita, Sinji; Sato, Masanobu; Tomono, Syoji; and Nakamura, Hisanori, 4,855,560, Cl. 219-86.250.
Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu; and Tanaka, Akira, 4,872,439, Cl. 123-518.000.
Souda, Takeshi; and Matsuoka, Kenichi, 4,827,705, Cl. 56-328.100.
Sugitani, Tatsuo; Uchida, Kiyoyuki; and Inoue, Hideo, 4,883,326, Cl. 303-110.000.
Sugiyama, Masanori; Masutani, Takayoshi; and Shirai, Takao, 4,887,024, Cl. 324-61.00R.
Sugiyama, Mizuho, 4,811,969, Cl. 280-701.000.
Suzumura, Hiroyuki; Okamoto, Yuji; and Suezaki, Isao, 4,875,817, Cl. 411-171.000.
Tabata, Masaaki, 4,887,515, Cl. 92-80.000.
Tada, Tetsuya; Nagasaka, Masumi; Tabuchi, Hiroaki; and Teratani, Tatsuo, 4,803,637, Cl. 364-426.040.
Tada, Tetsuya; Nagasaka, Masumi; and Teratani, Tatsuo, 4,814,991, Cl. 364-426.040.
Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
Tada, Tetsuya; Nagasaka, Masumi; Teratani, Tatsuo; Miyazaki, Akira; and Takahashi, Junji, 4,877,101, Cl. 180-177.000.
Taga, Yutaka; and Kashihara, Yuji, 4,879,925, Cl. 74-867.000.
Takada, Mitsuru; Itoh, Hiroshi; and Takahashi, Tokuyuki, 4,867,262, Cl. 180-249.000.
Takada, Toshihiro; Matsumoto, Shinichi; and Miyoshi, Naoto, 4,849,398, Cl. 502-303.000.
Takagi, Kozi; Ido, Noriyuki; Ohno, Sadayuki; Suzuki, Hideaki; Inoue, Yoshiaki; and Nomura, Yoshihisa, 4,872,730, Cl. 303-92.000.
Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.
Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.
Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
Takahashi, Takeshi, 4,803,393, Cl. 310-328.000.
Takahashi, Takeshi, 4,841,936, Cl. 123-447.000.
Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; and Takamura, Akio, 4,858,466, Cl. 73-119.00A.
Takahashi, Yoshinobu; Hibino, Ikukazu; Mori, Takanobu; and Ogata, Kentaro, 4,844,783, Cl. 204-180.200.
Takeshima, Shinichi, 4,831,821, Cl. 60-286.000.
Takeshita, Hajime; Iwase, Takahiro; Masuda, Naofumi; Sibata, Takuo; Mochizuki, Hiroyuki; Kobayashi, Nobuo; Kawakami, Seiho; and Kuroiwa, Yosio, 4,869,623, Cl. 407-14.000.
Takeshita, Keiji; Hamano, Hideo; and Ida, Shuichiro, 4,838,121, Cl. 74-785.000.
Takeuchi, Hiroaki; Noguchi, Noboru; and Nakanishi, Nobuyasu, 4,865,398, Cl. 303-115.000.
Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, 4,813,60[illegible], Cl. 239-113.000.
Tamaki, Shigenori; Machizuki, Hiroyuki; Kobayashi, Nobuo; Iwase, Takahiro; and Masuda, Naofumi, 4,806,387, Cl. 427-46.000.
Tamura, Masanobu, 4,854,124, Cl. 60-274.000.
Tanahashi, Haruhiko; and Hayashi, Makoto, 4,795,009, Cl. 188-315.000.
Tanahashi, Haruhiko; and Arai, Noritoshi, 4,822,073, Cl. 280-673.000.
Tanahashi, Haruhiko; Tsukamoto, Yoshikazu; and Miyakawa, Shinji, 4,877,262, Cl. 280-668.000.
Tanahashi, Toshio; Nakamura, Norihiko; Noguchi, Hiroshi; Nomura, Kenichi; Baika, Toyokazu; Kanamaru, Masanobu; Kobayashi, Tatsuo; Nagaoka, Hideo; Ito, Kazuhiro; Ito, Toshio; and Nakae, Kouichi, 4,840,147, Cl. 123-65.0VD.
Tanahashi, Toshio; Kanamaru, Masanobu; Itoh, Toshio; and Itoh, Kazuhiro, 4,883,030, Cl. 123-193.0CH.
Tanaka, Atsuo; Dohnomoto, Tadashi; and Kajikawa, Yoshiaki, 4,804,586, Cl. 428-611.000.
Tanaka, Hiroaki; Inuzuka, Yutaka; and Takeo, Hideki, 4,813,507, Cl. 180-88.000.
Tanaka, Toshio, 4,815,576, Cl. 188-315.000.
Tanaka, Yoshiyuki; Ii, Akira; Meguro, Taiichi; and Hayashi, Kenji, 4,858,136, Cl. 364-431.070.
Tanino, Masaharu; and Hattori, Takemi, 4,798,415, Cl. 297-410.000.
Teratani, Tatsuo, 4,833,570, Cl. 361-403.000.
Toyonaga, Keiji; and Ueno, Ichiro, 4,886,155, Cl. 198-377.000.
Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
Tsukamoto, Keisuke; Nagase, Masaomi; and Matsuno, Kiyotaka, 4,862,853, Cl. 123-357.000.
Uchida, Kiyoyuki; Akiyoshi, Michio; and Tsuchiya, Yoshiaki, 4,824,183, Cl. 303-92.000.
Ukai, Mikio; Furukawa, Takashi; and Hojo, Yasuo, 4,805,921, Cl. 277-212.0FB.
Umeda, Masahiro, 4,823,887, Cl. 173-31.000.
Uno, Makoto; Ikemoto, Kazuhito; and Terakura, Yukio, 4,830,158, Cl. 192-53.00F.
Uranishi, Kouji; and Itou, Takaaki, 4,809,667, Cl. 123-520.000.
Uranishi, Kouji; and Itou, Takaaki, 4,834,050, Cl. 123-440.000.
Uranishi, Kouji; and Itou, Takaaki, 4,838,229, Cl. 123-440.000.
Uranishi, Kouji; and Itou, Takaaki, 4,841,940, Cl. 123-520.000.
Ushida, Masayasu; Nakao, Sigeru; and Hattori, Kyo, 4,869,216, Cl. 123-146.50A.
Ushijima, Fumihiro; and Murata, Kiyohito, 4,795,011, Cl. 192-0.032.
Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Watanabe, Masao, 4,884,227, Cl. 364-565.000.
Watanabe, Tomoyuki; Tokoro, Setsuo; Hayashi, Takashi; and Shigematsu, Takashi, 4,811,222, Cl. 364-424.100.
Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,870,046, Cl. 502-439.000.
Yamashita, Masashi; Sugihara, Koichi; and Kawakami, Hiroshi, 4,860,842, Cl. 180-140.000.
Yamauchi, Nobuhiro; and Yoshie, Koichi, 4,848,733, Cl. 254-126.000.
Yamazawa, Yasushi; Terada, Masaki; and Tsuchiya, Yasuhiro, 4,798,101, Cl. 74-552.000.
Yamazawa, Yasushi; Kondo, Katsumi; Tsuchiya, Yasuhiro; Koike, Shinji; and Terada, Masaki, 4,821,598, Cl. 74-552.000.
Yasuda, Mitsuyoshi; Matsuura, Junichi; Ikemoto, Kazuhito; and Katayama, Nobuaki, 4,794,942, Cl. 137-197.000.
Yasue, Hideki; and Fukumura, Kagenori, 4,800,781, Cl. 74-860.000.
Yasue, Hideki; and Fukumura, Kagenori, 4,807,497, Cl. 74-867.000.
Yasue, Hideki; Fukumura, Kagenori; Iwatsuki, Kunihiro; and Shindo, Yoshio, 4,819,187, Cl. 364-431.010.
Yasue, Hideki; and Fukumura, Kagenori, 4,819,777, Cl. 192-0.062.
Yasue, Hideki; and Fukumura, Kagenori, 4,825,372, Cl. 364-431.010.
Yasui Yasuyoshi; and Suganuma, Tatsuji, 4,821,602, Cl. 74-713.000.
Yasui, Yasuyoshi; and Azuma, Hitoshi, 4,876,921, Cl. 74-710.500.
Yasuike, Osamu; Arai, Yasuji; Ikemoto, Hiroyuki; Owa, Nobutaka; and Doi, Shunichi, 4,803,627, Cl. 364-424.050.
Yokoya, Yuji, 4,821,852, Cl. 188-322.150.
Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Toyota Jidosha Kabushiki Kaisha & Nippondenso Co., Ltd.: *See—*
Inoue, Yoshiaki; Nomura, Yoshihisa; Ise, Kiyotaka; and Otsuki, Hiromi, 4,865,397, Cl. 303-110.000.

Toyota Jidosha Kabushiki Kaisha and Ransburg-Gema K.K.: *See—*
Tamura, Kenji; Hashimoto, Hirofumi; Baba, Youichiro; and Inose, Sadao, 4,824,026, Cl. 239-707.000.

Toyota Jidosha Kogyo Kabushiki Kaisha: *See—*
Kubo, Seitoku; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,817,472, Cl. 74-869.000.
Shindo, Yoshio; and Ito, Hiroshi, 4,831,892, Cl. 74-740.000.
Shinohara, Toshio, 4,811,226, Cl. 364-424.050.

Toyota Jidoshokki Seisakusho Kabushiki Kaisha: *See—*
Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, 4,808,083, Cl. 417-295.000.

Toyota Motor Corporation: *See—*
Kawai, Kenichi; Fukuma, Nobuo; Matsui, Akira; Futamura, Kenichiro; Asada, Eizi; and Fukuoka, Tatsuhiko, 4,869,871, Cl. 420-559.000.

Toyota, Sumio, to Yoshida Kogyo K. K. Automatic fastener assembling apparatus. 4,819,852, 4-11-89, Cl. 227-8.000.

Toyota, Takashi: *See—*
Maekawa, Toshio; Yamauchi, Hiroshige; Toyota, Takashi; Sawayama, Akeo; and Yamanaka, Masaaki, 4,795,676, Cl. 428-328.000.

Toyota, Takehito, to Mitsubishi Denki Kabushiki Kaisha. Electronic blackboard capable of providing hardcopy. 4,858,021, 8-15-89, Cl. 358-494.000.

Toyota, Takeshi; Kanemaru, Toshihiko; and Kasai, Hiroshi, to Takeda Chemical Industries, Ltd. 5'-nucleotide seasoning composition and production thereof. 4,806,370, 2-21-89, Cl. 426-99.000.

Toyota, Takeshi: *See—*
Kanemaru, Toshihiko; Kasai, Hiroshi; and Toyota, Takeshi, 4,842,881, Cl. 426-307.000.

Toyota, Tomohiro: *See—*
Yamaoka, Masao; and Toyota, Tomohiro, 4,881,670, Cl. 222-590.000.

Toyotomi Kogyo Co., Inc.: *See—*
Nakanishi, Yutaka; Yamada, Toshihiko; and Gamou, Shigeo, 4,805,589, Cl. 126-96.000.

Toyotomi Kogyo Co., Ltd.: *See—*
Kawai, Takashi, 4,850,855, Cl. 431-201.000.
Kawamura, Masanori; and Kawai, Takashi, 4,846,672, Cl. 431-201.000.
Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; and Sanada, Yuji, 4,797,088, Cl. 431-15.000.
Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,810,185, Cl. 431-150.000.
Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,872,829, Cl. 431-33.000.
Nakanishi, Yutaka; and Yamada, Toshihiko, 4,854,858, Cl. 431-320.000.

Toytot, Francois: *See—*
Bravet, Jean-Louis; Toytot, Francois; Leyens, Gerd; Pikhardt, Siegfried; and Bayer, Herbert, 4,871,579, Cl. 427-31.000.

Tozawa, Hideaki; and Kawada, Jitsuji, to Honda Giken Kogyo Kabushiki Kaisha. Tubular frame member. 4,809,999, 3-7-89, Cl. 280-281.100.

Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, to Kawasaki Steel Corporation. Cooling pad arrangement for belt caster type continuous casting device. 4,825,935, 5-2-89, Cl. 164-481.000.

Tozawa, Sadamu: *See—*
Ohta, Jiro; Tozawa, Sadamu; Matsushita, Koichi; and Maruyama, Yutaka, 4,838,710, Cl. 384-100.000.

Tozawa, Shoji: *See—*
Morita, Izuru; Tozawa, Shoji; Hisatake, Tsuneo; and Atono, Tadasi, 4,853,859, Cl. 364-424.040.
Morita, Izuru; Kishitani, Keisuke; Kajitani, Masayoshi; Tozawa, Shoji; Satoh, Masanori; Otabe, Kisaburo; and Onda, Mamoru, 4,884,398, Cl. 60-274.000.

Tozawa, Yohzi: *See—*
Shigematsu, Tatsuhiko; Ichidate, Minoru; Shiotani, Chitose; and Tozawa, Yohzi, 4,846,884, Cl. 75-3.000.

Tozawa, Yukio: *See—*
Nagumo, Tadanobu; Takei, Sadakazu; and Tozawa, Yukio, 4,854,360, Cl. 152-529.000.

Toze, Jean-Yves: *See—*
Mange, Christian; and Toze, Jean-Yves, 4,846,054, Cl. 99-495.000.

Tozer, Michael J. C., to Heat Transfer Technology Ltd. (Jersey). Hollow metallic sealing ring. 4,798,397, 1-17-89, Cl. 277-200.000.

Tozuka, Mitsuhiko: *See—*
Takenouchi, Kenji; Ikeda, Tomohiro; and Tozuka, Mitsuhiko, 4,800,358, Cl. 337-268.000.

Tozuka, Zenzaburo: *See—*
Takaya, Takao; Tozuka, Zenzaburo; Yasuda, Nobuyoshi; and Kawabata, Kohji, 4,871,730, Cl. 514-206.000.

Tozuka, Zenzoburo: *See—*
Takaya, Takao; Tozuka, Zenzoburo; Yasuda, Nobuyoshi; and Nishimura, Shintaro, 4,861,769, Cl. 514-202.000.

Tozuka, Zenzou: *See—*
Amino, Fumihiro; Tozuka, Zenzou; Tachibana, Sadao; and Aoki, Kazuo, 4,851,618, Cl. 200-5.00A.

Tozzolino, Pierre; and Cahiez, Gerard, to Societe Nationale Elf Aquitaine. Process of preparation of ketones. 4,827,044, 5-2-89, C 568-319.000.

TP Orthodontics, Inc.: *See—*
Kesling, Christopher K., 4,842,512, Cl. 433-8.000.
Kesling, Peter C., 4,799,882, Cl. 433-8.000.
Kesling, Peter C., 4,842,514, Cl. 433-21.000.
Kesling, Peter C., 4,859,179, Cl. 433-8.000.
Kesling, Peter C., 4,877,398, Cl. 433-8.000.

TPO "Pharmachim": *See—*
Georgieva, Maria I.; and Georgiev, Georgi M., 4,816,483, C 514-558.000.

TPV Energy Systems, Inc.: *See—*
Diederich, Walter J., 4,877,553, Cl. 252-492.000.
Diederich, Walter J.; and Nelson, Robert E., 4,883,619, C 264-60.000.
Nelson, Robert E., 4,826,426, Cl. 431-100.000.

Tra, Josef, to J. M. Voith GmbH. Screen cage. 4,812,229, 3-14-89, C 209-397.000.

Traa, Einar O., to Tektronix, Inc. Controllable delay circuit. 4,797,5 1-10-89, Cl. 307-603.000.

Traa, Einar O., to Tektronix, Inc. Programmable high-speed digital delay circuit. 4,866,314, 9-12-89, Cl. 307-603.000.

Traber, Jorg: *See—*
Glaser, Thomas; Raddatz, Siegfried; Traber, Jorg; and Allen, George, 4,870,085, Cl. 514-323.000.
Junge, Bodo; Richter, Bernd; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,873,262, Cl. 514-510.000.
Opitz, Klaus; Weischer, Maria-Luise; and Traber, Jorg, 4,871,73 Cl. 514-252.000.
Schohe, Rudolf; Glaser, Thomas; Traber, Jorg; and Allen, George S., 4,880,802, Cl. 514-222.200.
Seidel, Peter-Rudolf; Horstmann, Harald; Traber, Jorg; Dompert, Wolfgang; Glaser, Thomas; and Schuurman, Teunis, 4,818,75 Cl. 514-224.200.

Trabert, Ludwig; Lindner, Christian; Merten, Josef; and Haupt, Heinrich, to Bayer Aktiengesellschaft. High-impact polyamide moulding compositions. 4,806,587, 2-21-89, Cl. 524-504.000.

Trabert, Ludwig: *See—*
Lindner, Christian; Wittmann, Dieter; Trabert, Ludwig; Suling, Carlhans; Bartl, Herbert; and Ott, Karl-Heinz, 4,873,289, Cl. 525-293.000.

Trabitzsch, Hans: *See—*
Suetterlin, Norbert; Blitz, Hans-Dieter; and Trabitzsch, Hans, 4,839,417, Cl. 524-833.000.

Trabitzsch, Uwe; and Grund, Helmut, to Henkel Kommanditgesellschaft auf Aktien. Low-foam phosphate-free detergent. 4,832,863, 5-23-89, Cl. 252-135.000.

Trabitzsch, Uwe: *See—*
Amberg, Guenther; Bechstedt, Wolfgang; Schulz, Paul; and Trabitzsch, Uwe, 4,889,644, Cl. 252-8.900.

Trabocco, Ronald E.: *See—*
Williams, John G.; Donnellan, Thomas M.; and Trabocco, Ronald E., 4,862,735, Cl. 73-54.000.

Trace Products, Inc.: *See—*
Santeusanio, Peter M., 4,813,838, Cl. 414-798.100.

Trach, Guenter: *See—*
Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenter; Determann, Otto; and Becker, Horst P., 4,803,840, Cl. 60-545.000.
Seibert, Wolfram; and Trach, Guenter, 4,817,767, Cl. 188-346.000.

Trach, Guenther: *See—*
Seibert, Wolfram; Ocvirk, Norbert; Trach, Guenther; and Maas, Joachim, 4,796,959, Cl. 303-119.000.

Trachman, Edward G.; Shih, Shan; and Arzoian, John, to Rockwell International Corporation. Planetary transmission apparatus having a four element torque converter. 4,872,374, 10-10-89, Cl. 74-731.000.

Trachman, Edward G.; Shih, Shan; and Arzoian, John, to Rockwell International Corporation. Control method for planetary transmission having four element torque converter. 4,872,375, 10-10-89, Cl. 74-731.000.

Tracht, Steven L., to General Motors Corporation. Intermittent wiper control circuit with instant wipe. 4,825,134, 4-25-89, Cl. 318-443.000.

Tracht, Steven L., to General Motors Corporation. Window wiper control for vehicle. 4,859,919, 8-22-89, Cl. 318-444.000.

Tracht, Steven L.: *See—*
Suriano, John R.; Staarmann, Patrick J.; Tracht, Steven L.; and Mueller, Dennis L., 4,843,286, Cl. 318-443.000.

Trachte, Dietrich: *See—*
Schmitt, Alfred; Stumpp, Gerhard; Trachte, Dietrich; and Wessel, Wolf, 4,811,710, Cl. 123-359.000.

Trachtenberg, Leonard; and Trachtenberg, Peter W. Vehicle thermoelectric cooling and heating food and drink appliance. 4,823,554, 4-25-89, Cl. 62-3.000.

Trachtenberg, Peter W.: *See—*
Trachtenberg, Leonard; and Trachtenberg, Peter W., 4,823,554, Cl. 62-3.000.

Track, Antoine, to Schlumberger Technology Corporation. Seismic signal velocity filtering. 4,852,068, 7-25-89, Cl. 367-57.000.

Trackmobile, Inc.: *See—*
Lich, Richard L.; and Siewert, Robert L., 4,878,436, Cl. 105-72.200.

Trackdorf, Peter, to MTU Motoren- und Turbinen-Union Munchen GmbH. Jet engine nacelle. 4,865,268, 9-12-89, Cl. 244-53.00B.

Tracor, Inc.: *See—*
Duryea, Anthony N., 4,882,485, Cl. 250-288.000.

Tracor Northern, Inc.: *See—*
McCarthy, Jon J.; Fairing, John D.; and Buchholz, Jeffrey C., 4,802,748, Cl. 350-507.000.
McCarthy, Jon J.; and Aeschbach, James F., 4,863,252, Cl. 350-507.000.

Tractiontec Corporation: *See—*
Kemper, Yves J., 4,856,371, Cl. 74-690.000.

Tracy, Charles R.; and Elliott, Robert S., to J. P. Stevens & Co., Inc. Cushioned strap. 4,853,275, 8-1-89. Cl. 428-178.000.

Tracy, Daniel J.: *See—*
Andrews, George S.; Lamberty, Bernard J.; and Tracy, Daniel J., 4,862,185, Cl. 343-761.000.

Tracy, David H.; and Myers, Stephen A., to Perkin-Elmer Corporation, The. Polychromator for multi-element analysis. 4,795,257, 1-3-89, Cl. 356-328.000.

Tracy, David H., to Perkin-Elmer Corporation, The. Exposure control system for full field photolithography using pulsed sources. 4,804,978, 2-14-89, Cl. 346-108.000.

Tracy, David J.; Hashem, Mohamed M.; and Vara, Fulvio J., to GAF Corporation. Pyrrolidonyl acrylate block polymers. 4,806,609, 2-21-89, Cl. 526-264.000.

Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., to GAF Corporation. Polymeric halophors. 4,830,851, 5-16-89, Cl. 424-78.000.

Tracy, David J.; Hashem, Mohamed M.; and Login, Robert B., to GAF Corporation. Polymeric halophors. 4,842,858, 6-27-89, Cl. 424-150.000.

Tracy, David J.; Rizzo, Thomas; and Login, Robert B., to GAF Corporation. Heat stable quaternized lactams having oxylated sulfur anions. 4,885,158, 12-5-89, Cl. 424-69.000.

Tracy, David J.; and Hashem, Mohamed M., to GAF Chemicals Corporation. Process for the preparation of purified N-alkyl lactams. 4,885,371, 12-5-89, Cl. 548-554.000.

Tracy, David J.: *See—*
Chaudhuri, Ratan K.; Tracy, David J.; and Login, Robert B., 4,886,890, Cl. 548-519.000.
Login, Robert B.; Hashem, Mohamed M.; and Tracy, David J., 4,801,400, Cl. 252-357.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,830,850, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,834,970, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,837,013, Cl. 424-70.000.
Login, Robert B.; Chaudhuri, Ratan K.; Tracy, David J.; and Helioff, Michael W., 4,883,655, Cl. 424-70.000.

Tracy, Lawrence M. Septic system. 4,824,287, 4-25-89, Cl. 405-36.000.

Tracy, Michael J.: *See—*
Kramer, William E.; Forward, John E.; and Tracy, Michael J., 4,838,497, Cl. 242-67.200.

Tracy, Richard J. Shoe construction and closure components thereof. 4,870,761, 10-3-89, Cl. 36-51.000.

Tracy, Richard J. Attachment for slide fastener slider pull tab. 4,873,750, 10-17-89, Cl. 24-429.000.

Tracy, Robert A.: *See—*
Pistsov, Leon A; and Tracy, Robert A., 4,829,443, Cl. 364-464.030.

Tracy, Stephen E. Toy air vehicle. 4,880,071, 11-14-89, Cl. 180-117.000.

Tracy, Theodore A.; and Freuler, George H. Circuit board interfacing apparatus. 4,812,754, 3-14-89, Cl. 324-158.00F.

Tracy, William J., III: *See—*
Bartilucci, Mark P.; Karsner, Grant G.; and Tracy, William J., III, 4,874,505, Cl. 208-131.000.

Trade Ocean Line, Ltd.: *See—*
Tsuchiya, Masanori; and Suzuki, Teruo, 4,805,794, Cl. 220-8.000.

Tradewinds Technologies, Inc.: *See—*
Bardo, Charles J.; and Campbell, Charles M., 4,819,448, Cl. 62-304.000.

Trading Post Restaurants Limited: *See—*
McFarlane, Robert; and Walker, Stewart M., 4,840,128, Cl. 108-50.000.

Tradt, Hans-Richard; and Schillmeier, Hans, to Kuka. Method and apparatus for mounting windshields on vehicles. 4,852,237, 8-1-89, Cl. 29-407.000.

Traeger, Joseph P.; Traeger, Randolph J.; and Traeger, Mark A. Pellet-fired barbecue. 4,823,684, 4-25-89, Cl. 99-447.000.

Traeger, Mark A.: *See—*
Traeger, Joseph P.; Traeger, Randolph J.; and Traeger, Mark A., 4,823,684, Cl. 99-447.000.

Traeger, Randolph J.: *See—*
Traeger, Joseph P.; Traeger, Randolph J.; and Traeger, Mark A., 4,823,684, Cl. 99-447.000.

Traenckner, Hans-Joachim: *See—*
Bottenbruch, Ludwig; Traenckner, Hans-Joachim; Hampe, Andreas; and Schumacher, Klaus, 4,856,342, Cl. 73-827.000.
Pielartzik, Harald; Dhein, Rolf; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,886,869, Cl. 528-196.000.
Pielartzik, Harald; Ebert, Wolfgang; Meyer, Rolf-Volker; Traenckner, Hans-Joachim; and Ostlinning, Edgar, 4,889,911, Cl. 528-182.000.

Traex Corporation: *See—*
Salzmann, Ferdinand F.; and Wenkman, Gregory J., 4,838,454, Cl. 221-57.000.

Traflet, Robert F. Medical treatment tube construction. 4,795,442, 1-3-89, Cl. 604-179.000.

Trafton, R. Winfield, to Eastman Kodak Company. Simplified registration gate. 4,844,443, 7-4-89, Cl. 271-245.000.

Tragatschnig, Joerg, to Porsche Design GmbH. Telephone. 4,875,234, 10-17-89, Cl. 379-434.000.

Trager, Dennis. Attachable hard-disk drive and housing therefor. 4,853,807, 8-1-89, Cl. 360-97.010.

Trager, Fred C.; Mansell, J. Douglas; and Wimer, W. Eugene, to PPG Industries, Inc. Separation of hydrogen fluoride from 1,1-difluoroethene. 4,818,513, 4-4-89, Cl. 423-488.000.

Trager, Heiner; Kleemann, Karl-Heinz; Reifferscheid, Karl J.; and Gumbinger, Dieter H., to Metallgesellschaft Aktiengesellschaft. Process and apparatus for inoculating cast iron. 4,867,227, 9-19-89, Cl. 164-59.100.

Trager, Louis: *See—*
Dholakia, Anil R.; and Trager, Louis, 4,797,728, Cl. 357-81.000.
Dholakia, Anil R.; and Trager, Louis, 4,820,659, Cl. 437-209.000.

Trager, Seymour F.; and Chylinski, Victoria S. Method of treating degenerative joint disease by injection of meth(acrylamide) (co)-polymers. 4,828,828, 5-9-89, Cl. 424-81.000.

Trager, Ulrich: *See—*
Baier, Manfred; Kaspar, Klaus P.; Schafer, Rainer; Trager, Ulrich; and Notzel, Siegfried, 4,803,171, Cl. 436-530.000.

Trahan, Albert J.; and Douglas, Robert J., to Emhart Industries, Inc. Plunger assembly for a glassware forming machine. 4,836,839, 6-6-89, Cl. 65-323.000.

Trahan, Albert J., to Emhart Industries, Inc. Plunger assembly for a glassware forming machine. 4,836,842, 6-6-89, Cl. 65-362.000.

Trahan, Albert J., to Emhart Industries, Inc. Plunger assembly for a glassware forming machine. 4,838,921, 6-13-89, Cl. 65-229.000.

Trahan, Albert J.; and Douglas, Robert J., to Emhart Industries, Inc. Plunger operating mechanism for a glass forming machine. 4,889,549, 12-26-89, Cl. 65-314.000.

Trahan, Albert J.: *See—*
Douglas, Robert J.; and Trahan, Albert J., 4,888,040, Cl. 65-307.000.

Trahan, David O.; and Faulk, Michael B. Use of polyalphalolefin in downhole drilling. 4,876,017, 10-24-89, Cl. 252-8.510.

Trahey, Gregg E.: *See—*
Smith, Stephen W.; and Trahey, Gregg E., 4,852,577, Cl. 128-660.070.

Trail, Melvin P.: *See—*
Davis, Clint A.; and Trail, Melvin P., 4,821,202, Cl. 364-477.000.

Trailer P. H. Corporation: *See—*
Bakka, Charles M.; Sims, Roger D.; and Stevenson, James T., 4,838,744, Cl. 410-53.000.

Trailer Teain Company: *See—*
Terlecky, Boris S., 4,817,535, Cl. 105-158.200.

Trailer Train Company: *See—*
Jackson, Kenneth J.; Shah, Jagdish; and Graham, Robert E., Jr., 4,805,875, Cl. 254-2.00R.
Terlecky, Boris S.; and Sellberg, Ronald P., 4,848,611, Cl. 213-64.000.

Trailigaz-Compagnie Generale De L'Ozone: *See—*
Petitimbert, Jean F., 4,833,583, Cl. 363-36.000.

Trailmobile Inc.: *See—*
Fenton, Gary; and Huddle, Tom, 4,887,437, Cl. 62-186.000.

Trainer, William E.: *See—*
Roberts, Auston K.; Trainer, William E.; and Biederman, David L., 4,874,593, Cl. 423-322.000.

Traini, Carlo; Leone, Tomaso; and Schira, Renato, to Permelec S.p.A. Long lasting anode for high current density galvanization. 4,828,653, 5-9-89, Cl. 204-23.000.

- Traino, James C.: *See—*
  - Beikirch, Thomas R.; Traino, James C.; and Williams, Leon C., 4,878,119, Cl. 358-471.000.
- Trainor, Diane A., to ICI Americas Inc. Difluoro peptide compounds. 4,873,221, 10-10-89, Cl. 514-18.000.
- Trainor, Diane A.; and Stein, Mark M., to ICI Americas Inc. Selected difluoro derivatives. 4,880,780, 11-14-89, Cl. 514-18.000.
- Trainor, Donna: *See—*
  - Couturier, Marysusan; and Trainor, Donna, 4,870,128, Cl. 524-556.000.
- Trainor, John, to Imagitek. Bar lens assembly for reproduction machine and method of forming same. 4,832,450, 5-23-89, Cl. 350-252.000.
- Trainor, John W.: *See—*
  - Holtte, Bruce E.; and Trainor, John W., 4,869,401, Cl. 222-166.000.
- Trakas, Panos. Internally heated sprue bushing assembly with a unitary bushing casing core element. 4,882,469, 11-21-89, Cl. 219-421.000.
- Trambouze, Pierre; Euzen, Jean Paul; Bergez, Pierre; and Claveau, Michel, to Institut Francais du Petrole; and Commissariat a l'Energie Atomique. Process for deasphalting a hydrocarbon oil. 4,816,140, 3-28-89, Cl. 208-309.000.
- Trame, Charles E., to Everbrite Electric Signs, Inc. Tambour-type sign. 4,827,644, 5-9-89, Cl. 40-472.000.
- Trammel, Gary L., to Trammel, Gary L. Metering casting ladle. 4,842,171, 6-27-89, Cl. 222-595.000.
- Trammell, Larry L.: *See—*
  - Turner, C. Warren; Trammell, Larry L.; and Hametner, Albert L., 4,848,137, Cl. 73-1.00J.
- Tramont, Charles V. Obstetric safety device. 4,880,418, 11-14-89, Cl. 604-356.000.
- Tramposch, Kenneth M.; Zusi, Fred C.; and Marathe, Suresh A., to Bristol-Myers Company. Lipoxygenase inhibitory compounds. 4,861,798, 8-29-89, Cl. 514-575.000.
- Tran, Bao G.: *See—*
  - White, Lionel S., Jr.; Neal, Joseph H.; and Tran, Bao G., 4,868,823, Cl. 371-21.300.
- Tran, Chinh N.; Chu, Hong C.; and Light, William G., to Allied-Signal Inc. Chlorine-resistant semipermeable membranes. 4,830,885, 5-16-89, Cl. 427-245.000.
- Tran, Chinh N.: *See—*
  - Kraus, Menahem A.; and Tran, Chinh N., 4,806,189, Cl. 156-155.000.
- Tran, Chinh V.: *See—*
  - Tipon, Donald G.; and Tran, Chinh V., 4,825,106, Cl. 307-451.000.
- Tran, Danh C.: *See—*
  - Tan, H. Wayne; Tran, Danh C.; and McGreevy, Walter, 4,803,828, Cl. 53-390.000.
- Tran Dinh, Can. Process and means for cutting hard objects or materials without cutting softer objects or materials. 4,836,069, 6-6-89, Cl. 83-13.000.
- Tran, Duc H.: *See—*
  - Berson, William; Gluck, Julius; Murphy, Patrick; and Tran, Duc H., 4,860,025, Cl. 346-1.100.
  - Gluck, Julius; Murphy, Patrick; and Tran, Duc H., 4,855,756, Cl. 346-76.0PH.
  - Murphy, Patrick; and Tran, Duc H., 4,857,942, Cl. 346-76.0PH.
- Tran, Duc T.; and Faillon, Georges, to Thomson-CSF. Output circuit for klystron and klystron with an output circuit of this type. 4,827,192, 5-2-89, Cl. 315-5.390.
- Tran, Dung Q., to Advanced Micro Devices, Inc. ECL PROM programming method and apparatus using ECL addressing means. 4,887,241, 12-12-89, Cl. 365-230.060.
- Tran, Hiep V., to Texas Instruments Incorporated. Fast rise time booting circuit. 4,814,647, 3-21-89, Cl. 307-482.000.
- Tran, Hiep V., to Texas Instruments Incorporated. Bipolar-CMOS static ram memory device. 4,825,413, 4-25-89, Cl. 365-189.000.
- Tran, Hiep V., to Texas Instruments Incorporated. Pass gate with low transistor junction breakdown susceptibility. 4,831,596, 5-16-89, Cl. 365-230.060.
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  - Gauneus, Gilbert; Nicaise, Maryvonne; and Tran, Kifu O., 4,888,019, Cl. 623-18.000.
- Tran, Liem T.: *See—*
  - Plumton, Donald L.; Tran, Liem T.; and Shih, Hung-Dah, 4,868,633, Cl. 357-67.000.
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  - Gill, Hardayal S.; Hesterman, Victor W.; Tarnopolsky, Giora J.; and Tran, Lung T., 4,878,140, Cl. 360-113.000.
- Tran, Nam H.: *See—*
  - Eidt, Scott H.; Deavenport, Dennis L.; and Tran, Nam H., 4,841,082, Cl. 556-129.000.
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  - Keel, Beat G.; Tran, Tuan P.; Bonnie, Gene P.; and Schwarz, Edward L., 4,819,111, Cl. 360-125.000.
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  - Johnson, Dale W.; Cussler, Edward L.; and Trank, Steven J., 4,863,613, Cl. 210-670.000.
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  - Higgins, Bob J., 4,834,447, Cl. 296-201.000.
- Trans-Guard Industries, Inc.: *See—*
  - Stevenson, David L.; Moore, Terry R.; and Brammall, Terrence N., 4,802,700, Cl. 292-327.000.
- Trans-Tech Industries, Inc.: *See—*
  - Bhattacharya, Amor, 4,817,862, Cl. 236-10.000.
- Trans-World Marketing Corporation: *See—*
  - Franklin, Robert P.; and LaRocca, John, 4,796,763, Cl. 211-133.000.
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  - Griffith, John B.; and Linton, Donald F., 4,825,050, Cl. 235-379.000.
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  - Dudasik, Edward M., 4,812,709, Cl. 313-478.000.
- Transalta Resources Corporation: *See—*
  - Dykema, Owen W., 4,807,542, Cl. 110-343.000.
- Transamerica DeLaval Inc.: *See—*
  - Conlow, Frank J., 4,797,065, Cl. 416-220.00R.
- Transamerica Interway, Inc.: *See—*
  - Donavich, John X., 4,884,496, Cl. 98-6.000.
- TransData, Inc.: *See—*
  - Hammond, Scott H., 4,868,893, Cl. 455-617.000.
  - Hammond, Scott H.; Kirk, Ronald L.; and Francis, Eric R., 4,884,021, Cl. 324-142.000.
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  - Setter, Joseph R.; and Maclay, G. Jordan, 4,865,717, Cl. 204-412.000.
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  - Stetter, Joseph R., 4,818,348, Cl. 204-1.00T.
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  - Anderson, Richard S., 4,806,783, Cl. 307-118.000.
- Transensory Devices, Inc.: *See—*
  - Jerman, John H., 4,879,587, Cl. 357-55.000.
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  - Lashlee, Curtiss N., 4,843,956, Cl. 99-468.000
  - MacLeod, Richard F.; and Bolejack, Kevin J., 4,821,489, Cl. 53-419.000.
- Translab, Inc.: *See—*
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  - Fawcett, Sherwood L.; Fawcett, Martha S.; and Cullen, Donald L., 4,794,726, Cl. 47-9.000.
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  - Blum, Paul, 4,810,890, Cl. 250-506.100.
- Transpec Inc.: *See—*
  - Hood, Delos W., 4,827,548, Cl. 14-71.100.
  - Lamparter, Ronald C.; and Brown, Robert J., 4,877,266, Cl. 280-762.000.
- Transpharm Group: *See—*
  - Garay, Gabriel L.; Garay, Anne-Ly; and Tacy, Robert, 4,861,268, Cl. 433-229.000.
- Transphase Systems, Inc.: *See—*
  - Ames, Douglas A., 4,872,557, Cl. 206-504.000.
- Transpo Industries, Inc.: *See—*
  - Dinitz, Arthur M.; and Ozeroff, Shepard C., 4,826,728, Cl. 294-81.560.
- Transpower A/S: *See—*
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  - Scherer, Andrew J.; Westover, Dwight G.; Spencer, William H.; and Roldan, Bayani E., 4,805,894, Cl. 271-297.000.
- Transtector Systems, Inc.: *See—*
  - Honorof, Frank D.; and Odenberg, Richard, 4,797,773, Cl. 361-58.000.
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  - Widmer, Hans, 4,846,338, Cl. 198-831.000.
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- Tranter, Brian R., to EG&G Limited. Bellows seal arrangement. 4,889,350, 12-26-89, Cl. 277-88.000.
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- Trapp, Stephan: *See—*
  - Fuchs, Harald; Gleiter, Herbert; Trapp, Stephan; and Petermann, Juergen, 4,812,800, Cl. 338-2.000.
- Traquandi, Gabriella: *See—*
  - Chiodini, Laura; Gobbini, Mauro; Mantegani, Sergio; Ruggieri, Daniel; Temperilli, Aldemio; Traquandi, Gabriella; and Ferrari, Patrizia, 4,882,315, Cl. 514-26.000.
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  - Rothe, Anselm; Knappe, Wolfgang-Reinhold; and Trasch, Heinz-Friedrich, 4,820,489, Cl. 422-56.000.
- Trasen, Ben. Portable intravenous solutions and water for injection apparatus and method. 4,810,388, 3-7-89, Cl. 210-638.000.
- Trasen, Benjamin: *See—*
  - Haraveth, Garry R.; Catterfeld, Robert J.; and Trasen, Benjamin, 4,880,536, Cl. 210-232.000.
- Trask, Allen. Air-to-air heat pump. 4,843,838, 7-4-89, Cl. 62-324.600.
- Trask, Elwood G.: *See—*
  - Smith, Gerald J.; and Trask, Elwood G., 4,818,586, Cl. 428-198.000.
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- Trask, Walter H.; and Lampson, Neil F., to Neil F. Lampson, Inc. Latticework construction for cranes. 4,863,044, 9-5-89, Cl. 212-189.000.
- Trasko, Theodore W. Golf course and method of playing a golf game. 4,872,686, 10-10-89, Cl. 273-176.0AB.
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  - Williams, Stephen J.; and Traster, Elden D., 4,882,727, Cl. 370-79.000.
- Tratschin, Jon D.: *See—*
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- Trattner, Burton, to Harvey-Westbury Corp. Portable solar charged operated lamp having orientation switch for selectively energizing lamp based upon its physical orientation. 4,823,241, 4-18-89, Cl. 362-183.000.
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- Traub, Zeno P., to Eaton Leonard Technologies, Inc. Method for tube bending with controlled clamp die arrangement. 4,870,849, 10-3-89, Cl. 72-149.000.
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- Traugott, Thomas D.; Moore, Eugene R.; and Malanga, Michael T., to Dow Chemical Company, The. Polyphenylene ether/polystyrene blends. 4,804,712, 2-14-89, Cl. 525-152.000.
- Traugott, Thomas D.; Moore, Eugene R.; and Malanga, Michael T., to Dow Chemical Company, The. Polyphenylene ether/polystyrene blends. 4,885,339, 12-5-89, Cl. 525-132.000.
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  - Heinzl, Joachim; Lehmann, Manfred; and Trausch, Gunter E., 4,888,598, Cl. 346-140.00R.
- Traut, G. Robert: *See—*
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- Traut, Martin: *See—*
  - Kropp, Rudolf; Thyes, Marco; Schlecker, Rainer; Franke, Albrecht; Reicheneder, Franz; Reicheneder, Dora I.; Amann, August; Teschendorf, Hans-Juergen; Kretzschmar, Rolf; Traut, Martin; and Gries, Josef, 4,820,821, Cl. 544-224.000.
- Trauth, Hubert: *See—*
  - Aumueller, Alexander; Neumann, Peter; and Trauth, Hubert, 4,835,273, Cl. 544-180.000.
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  - Bock, Gustav; Trauth, Hubert; Weber, Wilhelm; and Lechtken, Peter, 4,806,580, Cl. 524-110.000.
  - Spang, Peter; Neumann, Peter; Wagenblast, Gerhard; and Trauth, Hubert, 4,820,757, Cl. 524-93.000.
- Trautmann, Walter: *See—*
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- Traver, Frank J., to General Electric Company. Stable, two package water emulsions of silicone hydride fluids. 4,888,384, 12-19-89, Cl. 524-862.000.
- Traver, Frank J.: *See—*
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- Travers, Barbara E. Infusion package. 4,875,574, 10-24-89, Cl. 206-0.500.
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- Travers, Dennis P.: *See—*
  - Schultz, Edward R.; Loehlein, Gerald J.; Travers, Dennis P.; McGregor, Calvin J.; and Johnstone, Robert H., 4,795,193, Cl. 281-15.00R.
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- Travert, Serge, to Thomson Grand Public. Method for separating the luminance and chrominance signals of a PAL or SECAM composite video signal and a device for the practical application of said method. 4,814,862, 3-21-89, Cl. 358-31.000.
- Travieso, Ruben: *See—*
  - Myers, Clyde J.; Stephenson, Daniel L.; and Travieso, Ruben, 4,872,736, Cl. 350-96.200.
- Travis, Elmer E. Support rack for plastic bags. 4,805,857, 2-21-89, Cl. 248-97.000.
- Travis, Steed. Trolling motor having pivotal foot element. 4,838,817, 6-13-89, Cl. 440-6.000.
- Travis, Tonny D. Dusting apparatus. 4,872,598, 10-10-89, Cl. 222-630.000.
- Travis, William B. Energy absorption system. 4,844,213, 7-4-89, Cl. 188-377.000.
- Travisano, Frank P. Tamper evident indicating means. 4,877,143, 10-31-89, Cl. 215-230.000.
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- Trawinski, Jurgen: *See—*
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- Trax Pty. Ltd.: *See—*
  - Padgett, Barry C., 4,850,308, Cl. 119-82.000.
- Traxler, Peter: *See—*
  - Kump, Wilhelm; and Traxler, Peter, 4,876,258, Cl. 514-254.000.
- Traylor, Billy J. Trailer with lift truck storage compartment. 4,828,449, 5-9-89, Cl. 414-462.000.
- Traylor, Christine M.: *See—*
  - Schwartz, Ellen S.; Smolenski, Donald J.; Keersmaekers, John D.; Traylor, Christine M.; and Wallo, Gary J., 4,847,768, Cl. 364-424.030.
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  - Crum, Gerald W.; and Traylor, John C., 4,830,279, Cl. 239-3.000.
  - Gacka, Mark; Hollstein, Thomas E.; and Traylor, John C., 4,815,666, Cl. 239-697.000.
- Traylor, Paul L. Air gap faucet. 4,856,121, 8-15-89, Cl. 4-191.000.
- Trayner, Brian T., to British Aerospace Public Limited Company. Ballistic projectiles. 4,877,201, 10-31-89, Cl. 244-3.210.
- Traynor, Rodney P.; and Zeedick, Albert F. Lane viewer mirror apparatus for vehicles. 4,859,046, 8-22-89, Cl. 350-627.000.
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- Trca, Gordon R.: *See—*
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- Trcka, Vaclav: *See—*
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- Tre Med, Inc.: *See—*
  - Hauze, Dennis R., 4,813,931, Cl. 604-54.000.
- Treace Medical, Inc.: *See—*
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- Trease, Dwaine A.; and Trease, Leroy E. Bearing puller. 4,852,235, 8-1-89, Cl. 29-263.000.
- Trease, Leroy E.: *See—*
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- Treaster, Mahlon L. Archer's bow. 4,848,306, 7-18-89, Cl. 124-23.00R.
- Treasure Isle, Inc.: *See—*
  - Ahmed, Belal; Eisner, Andrew; Foodman, Harold; Hartley, G. Cecil; Hartley, Michael; and Marsh, Robert, 4,819,176, Cl. 364-468.000.
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- Treatch, James E., to Pulse Trend, Inc. System for ambulatory blood pressure monitoring. 4,830,018, 5-16-89, Cl. 128-677.000.
- Trebbi, Giorgio, to Fiat Auto S.p.A. Vehicle door with sliding window. 4,819,380, 4-11-89, Cl. 49-374.000.

- Trebino, Rick: *See—*
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- Trebor Industries, Inc.: *See—*
  - Rosenthal, Robert D., 4,801,804, Cl. 250-341.000.
- Trebules, Victor W.: *See—*
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- Trechsel, Hans W.: *See—*
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- Trecker, Gary W.: *See—*
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- Tredegar Industries, Inc.: *See—*
  - McBride, Robert K., 4,880,422, Cl. 604-389.000.
- Treder, Wolfgang: *See—*
  - Thiem, Joachim; Treder, Wolfgang; Keller, Reinhold; and Schlingmann, Merten, 4,859,590, Cl. 435-97.000.
- Tree Technologies Corporation: *See—*
  - Neil, James E.; Demjanenko, Victor; and Caile, Christopher R., 4,803,718, Cl. 379-163.000.
- Treece, Lanney C.: *See—*
  - Steinmetz, Guy R.; Rule, Mark; Agreda, Victor H.; and Treece, Lanney C., 4,803,296, Cl. 560-80.000.
- Treene, William E., to Hayward Industries, Inc. Skimmer vacuum filter apparatus. 4,798,670, 1-17-89, Cl. 210-169.000.
- Treer, Yuri P. Combination of a game apparatus and educational device. 4,822,047, 4-18-89, Cl. 273-113.000.
- Trees, George M.: *See—*
  - Anthias, Tefcros; Herrod, John A.; and Trees, George M., 4,890,257, Cl. 364-900.000.
- Treestone Corporation: *See—*
  - Eichen, Howard R., 4,876,151, Cl. 428-446.000.
- Treff, Arthur J.; and Spaman, Donald R., to Raymond Engineering Inc. Tape transport cartridge. 4,832,283, 5-23-89, Cl. 242-192.000.
- Treficable Pirelli: *See—*
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- Tregear, Geoffrey W.: *See—*
  - Hudson, Peter J.; Shine, John; Niall, Hugh D.; and Tregear, Geoffrey W 4,871,670, Cl. 435-172.300.
- Treher, Elizabeth N.: *See—*
  - Francesconi, Lynn C.; and Treher, Elizabeth N., 4,871,836, Cl. 534-10.000.
- Treibacher Chemische Werke AG: *See—*
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- Treibel, Walter: *See—*
  - Olschewski, Armin; Schurger, Rainer; Stolz, Robert; Neder, Gunter; Treibel, Walter; and Kunkel, Heinrich, 4,804,276, Cl. 384-526.000.
- Treiber, Fritz F., to Hobart Corporation. Package positioning apparatus and method. 4,805,760, 2-21-89, Cl. 198-456.000.
- Treiber, Fritz F., to Hobart Corporation. Package wrapping method and machine. 4,813,211, 3-21-89, Cl. 53-441.000.
- Treiber, Fritz F., to Hobart Corporation. Package wrapping and weighing system. 4,825,626, 5-2-89, Cl. 53-502.000.
- Treiber, Helmut: *See—*
  - Zahn, Wolfgang; Fursich, Manfred; Nitsch, Wilhelm; Rauh, Hans-Jurgen; and Treiber, Helmut, 4,873,546, Cl. 355-38.000.
- Treiber, Richard K.: *See—*
  - Obermarck, Ronald L.; Palmer, John D.; and Treiber, Richard K., 4,847,754, Cl. 364-200.000.
- Treitz, Peter-Ludwig, to Carl Schenck AG. Method and apparatus for the transfer of forces and/or moments in vehicle testing. 4,862,736, 9-5-89, Cl. 73-117.000.
- Trek Medical Products, Inc.: *See—*
  - Sinnett, Kevin B., 4,878,487, Cl. 128-20.000.
- Trek-Tron Coolers Inc.: *See—*
  - Hartwick, L. Paul, 4,881,024, Cl. 323-299.000.
- Trell, Anders E. Method for transmission of alarm signals utilizing an entrance telephone system. 4,872,194, 10-3-89, Cl. 379-40.000.
- Trell, Erik. Physical instrument for determining accelerations of electrons. 4,851,688, 7-25-89, Cl. 250-396.00R.
- Trelleborg AB: *See—*
  - Soderstrom, Hans S., 4,815,490, Cl. 135-97.000.
- Trema, Daniel, to ELF FRANCE. Bracket construction for a motor cycle assembly. 4,805,717, 2-21-89, Cl. 180-219.000.
- Trema, Daniel, to Elf France. Device for coupling in rotation a wheel hub. 4,810,039, 3-7-89, Cl. 301-9.0CN.
- Trema, Daniel, to Elf France. Motorcycle front wheel suspension device. 4,834,412, 5-30-89, Cl. 280-276.000.
- Trema, Daniel, to Elf France. Support and suspension arm for a driving wheel. 4,877,097, 10-31-89, Cl. 180-357.000.
- Trema, Daniel, to Elf France. Device for supporting and attaching a disk brake caliper. 4,884,663, 12-5-89, Cl. 188-18.00A.
- Tremblay, Denis. Venitian blind lamp. 4,800,473, 1-24-89, Cl. 362-217.000.
- Tremblay, Gilles, to Futonair Quebec, Inc. Sofa bed construction. 4,875,244, 10-24-89, Cl. 5-37.00R.
- Tremblay, Guy: *See—*
  - Desjardins, Gilles; Tremblay, Guy; and Valois, Paul-Yvon, 4,850,588, Cl. 272-111.000.
- Tremblay, Paul A.: *See—*
  - Janoff, Andrew S.; Bolcsak, Lois E.; Weiner, Alan L.; Tremblay, Paul A.; Bergamini, Michael V. W.; and Suddith, Robert L., 4,861,580, Cl. 424-1.100.
  - Kearns, John J.; Tremblay, Paul A.; Robey, Raymond J.; and Sunder, Swaminathan, 4,814,111, Cl. 260-403.000.
- Tremblay, Pierre: *See—*
  - Hudson, Tom J.; McIntyre, John; Tremblay, Pierre; Allaire, Claude; and Gnyra, Bohdan, 4,877,507, Cl. 204-243.00R.
- Tremblay, Robert A.: *See—*
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- Tremblay, Robert L. Clip device to attach a backsplash to a countertop. 4,881,844, 11-21-89, Cl. 403-407.100.
- Tremblay, Roger. Powder dispenser. 4,811,869, 3-14-89, Cl. 222-440.000.
- Tremblay, Yves; and Nicholson, David J. to Northern Telecom Limited. Binary data regenerator with adaptive threshold level. 4,823,360, 4-18-89, Cl. 375-4.000.
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Trinquet, Gilles: *See*—
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Davenport, William H., 4,859,961, Cl. 330-253.000.
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- Trippe, Michael W.: *See—*
  - Sequeira, Hermann B.; Trippe, Michael W.; and Jakhete, Rajendra S., 4,853,613, Cl. 324-58.00R.
- Triquet, Fred, to Arco Industries Corporation. Steering column boot. 4,826,466, 5-2-89, Cl. 464-173.000.
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  - Gleason, Kimberly R.; Strid, Eric W.; Flegal, Robert F., and McCamant, Angus J., 4,853,627, Cl. 324-158.00P.
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  - Taylor, Stewart S., 4,808,853, Cl. 307-473.000.
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  - Danho, Waleed; Triscari, Joseph; and Madison, Vincent S., 4,808,701, Cl. 530-317.000.
- Trischler, Ferenc: *See—*
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  - Junier, Marius R., 4,813,817, Cl. 406-116.000.
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  - Nelson, Jack R., 4,872,520, Cl. 175-329.000.
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- Triumph Motorcycles (Coventry) Limited: *See—*
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  - Thorn, David W.; Patel, Rajendra; Coley, Gerald; Trivedi, Ashok; and Patel, Girish, 4,853,955, Cl. 379-230.000.
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- Trivett, Gordon S.: *See—*
  - MacKay, G. David M.; and Trivett, Gordon S., 4,836,116, Cl. 110-245.000.
- Trivett, Robert L., to Nalco Chemical Company. Oil-in-water dry film prelube emulsion. 4,846,986, 7-11-89, Cl. 252-49.500.
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  - Eden, James; and Trksak, Ralph M., 4,853,168, Cl. 264-180.000.
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- Trocciola, John C.: *See—*
  - Breault, Richard D.; Rajpolt, Michael J.; and Trocciola, John C., 4,824,739, Cl. 429-13.000.
  - Levy, Alexander H.; VanDine, Leslie L.; and Trocciola, John C., 4,839,247, Cl. 429-21.000.
  - Swarr, Thomas E.; and Trocciola, John C., 4,800,052, Cl. 264-65.000.
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- Troesch, Jacques J. Measurement method for an electrical signal, series-parallel negative-feedback measuring circuit, as well as use of the method of the measuring circuit for measuring voltage sources with very-high-ohmage internal impedances. 4,814,695, 3-21-89, Cl. 324-118.000.
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- Trofimenkoff, Frederick N.; Paslawski, Daniel J.; and Li, Chun O. Clock-controlled pulse width modulator. 4,827,261, 5-2-89, Cl. 341-157.000.
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  - Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Khoimovsky, Alexandr S.; and Nikonchuk, Andrei N., 4,867,661, Cl. 425-34.200.
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- Troger, Wolfgang; and Mesmer, Otto, to Vorwerk & Co. Interholding GmbH. Liquid cleaning suspension. 4,842,763, 6-27-89, Cl. 252-155.000.
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- Troisi, Michael R.: *See—*
  - Stewart, Gwendolyn J.; Ziskin, Marvin C.; Philips, Charles M.; Alburger, Philip D.; Lachman, John W.; Manuel, Donald W.; and Troisi, Michael R., 4,866,998, Cl. 73-866.500.
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- Trojanowski, George F.: *See—*
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- Trojanowski, Norbert T., to ITT Avionics, A Division of ITT Corporation. Clamping apparatus for coupling waveguides to one another. 4,795,361, 1-3-89, Cl. 439-368.000.
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- Trombly, Edward E.: *See—*
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- Tromborg, Erik T.; and Garfunkel, James H., to Honeywell Inc. Fiber optic system for detecting vibrations of a reflecting surface. 4,801,799, 1-31-89, Cl. 250-227.000.
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  - Borner, Manfred; Muller, Reinhard; and Trommer, Gert, 4,799,749, Cl. 350-96.130.
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- Tromp, Corwin M., to CMI International, Inc. Vehicle road sensor. 4,799,381, 1-24-89, Cl. 73-146.000.
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- Troncoso, Fernando, Jr. Archery box arrow rest. 4,827,895, 5-9-89, Cl. 124-41.00A.
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  - Troncoso, Robert; and Troncoso, Fernando, Jr., 4,852,286, Cl. 42-70.070.

- Troncoso, Robert; and Troncoso, Fernando, Jr. Detachable gun trigger safety device. 4,825,576, 5-2-89, Cl. 42-70.070.
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- Troncoso, Vincent F. Multiple firing gun trigger extension assembly. 4,803,910, 2-14-89, Cl. 89-27.300.
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- Trondle, Robert: *See—*
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- Trondsen, John M.: *See—*
  - Stone, Forrest D.; and Trondsen, John M., 4,798,309, Cl. 221-4.000.
- Tronel, Jean-Claude: *See—*
  - Climent, Jean-Pierre; Petelet, Georges; and Tronel, Jean-Claude, 4,876,551, Cl. 342-460.000.
  - Climent, Jean-Pierre; and Tronel, Jean-Claude, 4,887,180, Cl. 361-91.000.
- Tronic Electronic Services Limited: *See—*
  - Alcock, John M.; and Nocholson, Joseph A., 4,795,359, Cl. 439-271.000.
- Tronomed, Inc.: *See—*
  - Malana, Anthony, 4,797,125, Cl. 439-729.000.
  - Roberts, Richard R.; Frank, Robert J.; Booker, Philip H., III; and Hemner, Rodney A., 4,806,112, Cl. 439-144.000.
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  - Greco, Ralph S.; Harvey, Richard A.; and Trooskin, Stanley Z., 4,879,135, Cl. 427-2.000.
- Trop, Moshe, to Weintraub, Morton. Continuous automatic snow and ice prevention and clearing of automobile front and rear windows. 4,877,458, 10-31-89, Cl. 134-5.000.
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  - Beckermann, Bernhard; Dell, Hans-Dieter; Horstmann, Harald; and Kraus, Reinhold. 4,871,767, Cl. 514-536.000.
  - Opitz, Klaus; Weischer, Maria-Luise; and Traber, Jorg, 4,871,738, Cl. 514-252.000.
  - Seidel, Peter-Rudolf; and Schollnhammer, Gunter, 4,816,461, Cl. 514-287.000.
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  - Khoury, John M.; and Trosino, James M., 4,835,421, Cl. 307-491.000.
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  - Zenk, Daniel K.; and Trost, John R., 4,835,672, Cl. 364-200.000.
- Trost, Stephen A. Tool and process for stimulating a subterranean formation. 4,798,244, 1-17-89, Cl. 166-250.000.
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  - Barab-Tarle, Matus E.; Vernikov, Arkady Y.; Rashkovich, Mikhail P.; Soifer, Romen D.; Trostanovsky, Boris A.; and Khinkus, Alexandr S., 4,804,914, Cl. 324-226.000.
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- Trostel, Louis J.: *See—*
  - Ault, Neil N.; Butkus, Anthony K.; and Trostel, Louis J., 4,823,359, Cl. 373-137.000.
- Troster, Gerhard: *See—*
  - Tomaszewski, Zbigniew; and Troster, Gerhard, 4,866,502, Cl. 357-51.000.
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  - Spietschka, Ernst; and Troster, Helmut, 4,831,140, Cl. 546-37.000.
- Troster, Josef; and Barten, Axel. Flatness measuring device for strip-shaped rolled material. 4,836,680, 6-6-89, Cl. 356-371.000.
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  - Hofmann, Heinrich; and Troster, Manfred, 4,804,233, Cl. 301-124.00R.
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- Trotel, Jacques: *See—*
  - Broussoux, Dominique; Micheron, Francois; Staron, Alain; and Trotel, Jacques, 4,812,647, Cl. 250-227.000.
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- Trotoir, Jean-Paul; and Bath, Colin, to Imperial Chemical Industries PLC. Composition. 4,829,114, 5-9-89, Cl. 524-243.000.
- Trott, Arthur F.; and Marchand, Sam R., to Concept, Inc. Lashliner. 4,796,624, 1-10-89, Cl. 128-316.000.
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  - Bays, F. Barry; Trott, Arthur F.; and Marchand, Sam R., 4,884,572, Cl. 128-334.00R.
- Trott, Delano B., to Beringer Co., Inc. Polymer filtration apparatus. 4,814,186, 3-21-89, Cl. 425-199.000.
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  - Doehler, Gottfried H.; Scott, Caroline J.; Trott, Gary R.; and Boatman, Betty, 4,839,714, Cl. 357-71.000.
- Trott, Michael W.; and Turner, Gilbert A., to Dowty Rotol Limited. Bladed rotor assemblies. 4,863,347, 9-5-89, Cl. 416-46.000.
- Trott, Ulrich R., to Robert Bosch GmbH. Electromagnetically actuatable fuel injection valve. 4,832,314, 5-23-89, Cl. 251-129.160.
- Trotta, Paul P.: *See—*
  - Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P., 4,828,990, Cl. 435-68.000.
- Trotta, Robert A.; and Cerier, Jeffrey C., to Gillette Company, The. Shaving device. 4,875,288, 10-24-89, Cl. 30-49.000.
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  - Cerier, Jeffrey C.; Trotta, Robert A.; and Shurtleff, Jill M., 4,807,360, Cl. 30-49.000.
- Trotter, Ansel B., Sr. Water collection mat for dish-washers. 4,889,155, 12-26-89, Cl. 137-312.000.
- Trotter, Johnny L. Mop head spreader attachment for enhanced drying. 4,823,481, 4-25-89, Cl. 34-239.000.
- Trotter, Phil, Jr. Aerobic exercise floor system. 4,819,932, 4-11-89, Cl. 272-3.000.
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- Trottier, Robert R.; and Slezak, Robert J., to Wang Laboratories, Inc. Loosely-coupled computer system using global identifiers to identify mailboxes and volumes. 4,851,988, 7-25-89, Cl. 364-200.000.
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  - Leifeld, Ferdinand, 4,805,267, Cl. 19-105.000.
- Troubridge, William C. Steps for climbing trees. 4,867,272, 9-19-89, Cl. 182-92.000.
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- Troudet, Thierry; and Walters, Stephen M., to Bell Communications Research, Inc. Digital phase locked loop with bounded jitter. 4,855,683, 8-8-89, Cl. 328-155.000.
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  - Sue, Jiinjen A.; and Troue, Harden H., 4,839,245, Cl. 428-698.000
- Trouet, Andre; Dejonghe, Jean-Paul; Collard, Marie-Paule; and Rao, Bhushana K. S. P., to Ire-Celltarg S.A. Vinblastine derivatives and pharmaceutical composition containing them. 4,831,038, 5-16-89, Cl. 514-283.000.
- Trouet, Andre B. L.; Bushana, Kandukuri S.; Hannart, Jean A. A.; and Dejonghe, Jean-Paul, to Omnichem. Conjugates of vinblastine, a process for their preparation and their use in therapy. 4,870,162, 9-26-89, Cl. 530-363.000.
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  - Hannart, Jean A. A.; Trouet, Andre B. L.; and Rao, Kandukuri S. B., 4,828,831, Cl. 424-85.910.
- Troup, Gordon J. F.: *See—*
  - Pilbrow, John R.; Troup, Gordon J. F.; Tirkel, Anatol Z.; Hutton, Donald R.; Gruner, Lucian; and McLaren, Neil R., 4,803,624, Cl. 324-316.000.
- Troupel, Michel: *See—*
  - Moingeon, Marie-Odile; Chaussard, Jacques; Troupel, Michel; and Saboureau, Christophe, 4,824.532, Cl. 204-72.000.
- Trousdell, Edmund D.; and Kasprow, Robert F., to United Technologies Corporation. Flanged ladder seal. 4,875,830, 10-24-89, Cl. 416-215.000.
- Trout, John F., to Lily Corporation. Corner grouting nozzle. 4,798,502, 1-17-89, Cl. 450-269.000.
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  - Haluda, Raymond P.; and Trout, John F., 4,828,148, Cl. 222-134.000.
- Trout, Torence J., to Du Pont de Nemours, E. I., and Company. Hydroxycarboxylic acids as adjuvants for negative liquid electrostatic developers. 4,859,559, 8-22-89, Cl. 430-115.000.
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  - Chan, Dominic M.; El-Sayed, Lyla M.; Thanawalla, Chandrakant B.; and Trout, Torence J., 4,886,726, Cl. 430-115.000.
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- Trouteaud, Lee E.: *See—*
  - Gaccetta, Joseph M.; Bowling, Kinred; Trouteaud, Lee E.; and Whitby, Michael A., 4,805,373, Cl. 53-77.000.
- Troutman, Charles E. Apparatus for containing a pet in a vehicle trunk. 4,870,925, 10-3-89, Cl. 119-15.000.
- Troutner, Arthur L., to Trus Joist Corporation. Adjustable crossarm spacer and utility line hanger apparatus. 4,798,362, 1-17-89, Cl. 248-62.000.
- Troutner, Arthur L.; and Atwood, Thomas M., to Trus Joist Corporation. Method and apparatus for assembling box units. 4,824,510, 4-25-89, Cl. 156-288.000.
- Troutner, Arthur L.; and O'Sullivan, Kevin B., to Trus Joist Corporation. Key clip support member. 4,872,299, 10-10-89, Cl. 52-693.000.
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  - Jauvinet, Vincent; Bletry, Jean; Bonnaud, Micheline; and Trouve, Maurice, 4,859,499, Cl. 427-108.000.
- Trouve, Patrick: *See—*
  - Seinera, Henri; Luberne, Patricia; Stock, Claude; and Trouve, Patrick, 4,803,231, Cl. 523-219.000.

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- Trovati, Aldo: *See—*
  - Federici, Franco; Pin, Giorgio; Cozzi, Ennio; and Trovati, Aldo, 4,851,475, Cl. 525-104.000.
- Trovato, Joseph R., to Eastman Kodak Company. Devices for mounting a load and orienting the load in two orthogonal directions. 4,854,532, 8-8-89, Cl. 248-178.000.
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- Trowbridge, Theodore D.; and Fung, Shun C., to Exxon Research & Engineering Co. Method for treating and stabilizing zeolite catalysts. 4,839,320, 6-13-89, Cl. 502-66.000.
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- Troxel, Donald E., to ECRM Incorporated. Method and apparatus for synchronizing to a pulse train packet signal. 4,806,879, 2-21-89, Cl. 331-2.000.
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  - Buerkle, Thomas B.; and Troxell, Jack D., 4,885,029, Cl. 75-235.000.
- Troxell, John R.; Harrington, Marie I.; and Erskine, James C., to General Motors Corporation. Fabrication of polysilicon fets on alkaline earth alumino-silicate glasses. 4,851,363, 7-25-89, Cl. 437-40.000.
- Troxell, Lillian H.: *See—*
  - Johnston, Howard; and Troxell, Lillian H., 4,851,539, Cl. 546-345.000.
- Troxler, Eduard: *See—*
  - Stegmann, Werner; Troxler, Eduard; Hofmann, Peter; Meier, Hans-Rudolf; and Dubs, Paul, 4,863,982, Cl. 524-101.000.
- Troxler Electronic Laboratories, Inc.: *See—*
  - Regimand, Ali, 4,864,842, Cl. 73-1.00R.
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- Troy, Frederick M., to Genrad, Inc. Guided probe system and method for at-speed PC board testing. 4,796,259, 1-3-89, Cl. 371-20.000.
- Troy Marketing Corporation: *See—*
  - Dunchock, Richard S., 4,867,465, Cl. 280-79.300.
- Troy, Michael: *See—*
  - Panson, Armand J.; and Troy, Michael, 4,842,812, Cl. 376-306.000.
- Troy, Stephen: *See—*
  - Repetti, Ronald V.; and Troy, Stephen, 4,867,934, Cl. 264-41.000.
- Troyer, James, to Phoenix Newspapers, Inc. Roll-feeder loader and method therefor. 4,807,526, 2-28-89, Cl. 101-216.000.
- Troyer, Jane D. Undergarment. 4,821,342, 4-18-89, Cl. 2-82.000.
- Troyon, Michel, to Universite de Reims Champagne-Ardenne. Electrical particle gun. 4,825,080, 4-25-89, Cl. 250-396.00R.
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  - Gano, Richard E.; Gano, David A.; and Garbe, Heinz-Siegfried, 4,831,856, Cl. 72-149.000.
- Tru-Line Manufacturing, Inc.: *See—*
  - Turner, Terry A., 4,825,615, Cl. 52-455.000.
- TruAngle Broadhead Hones, Inc.: *See—*
  - Roberts, Timothy A., 4,835,910, Cl. 51-285.000.
- Truax, Frank L. Lever actuated nutcracker. 4,843,715, 7-4-89, Cl. 30-120.500.
- Trubac, Robert E., to UOP. Oxygenate removal in MTBE production. 4,814,517, 3-21-89, Cl. 568-697.000.
- Trubac, Robert E.: *See—*
  - Nagji, Moez M.; and Trubac, Robert E., 4,876,394, Cl. 568-697.000.
- Trube, Hans; Korber, Jurgen; and Duenas, Santiago, to Daimler-Benz Aktiengesellschaft. Glove box, particularly for motor vehicles. 4,886,311, 12-12-89, Cl. 296-37.120.
- Trube, Hans: *See—*
  - Epple, Anton; Trube, Hans; and Pfeiffer, Martin, 4,817,236, Cl. 15-250.340.
- Trube, Hans-Wilhelm: *See—*
  - Freitag, Elmar; Weller, Karl-Heinz; and Trube, Hans-Wilhelm, 4,840,113, Cl. 98-2.000.
- Trubert, Valdo: *See—*
  - Georgel, Jean; Monvoisin, Jacques; and Trubert, Valdo, 4,808,254, Cl. 156-245.000.
- Trubett, Valdo: *See—*
  - Monvoisin, Jacques; and Trubett, Valdo, 4,862,188, Cl. 343-840.000.
- Trubilin, Vladimir N.: *See—*
  - Fedorov, Svyatoslav N.; Egorova, Eleonora V.; Strusova, Natalya A.; Glazko, Viktor I.; and Trubilin, Vladimir N., 4,838,890, Cl. 623-6.000.
- Truc, Joel: *See—*
  - Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, 4,831,944, Cl. 110-346.000.
- Truche, Robert: *See—*
  - LeRoux, Thierry; and Truche, Robert, 4,846,557, Cl. 350-333.000.
- Truchet, Gaston, to S.A. des Etablissements Staubli. Tool-gripping device for remote manipulators, robots or like assemblies. 4,826,230, 5-2-89, Cl. 294-88.000.
- Truchot, Jean-Marc: *See—*
  - Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, 4,849,083, Cl. 204-206.000.
- Truck-Lite Co., Inc.: *See—*
  - Beswick, John H.; and VanRiper, Bradley C., 4,812,955, Cl. 362-240.000.
  - Roller, Philip C., 4,816,818, Cl. 340-475.000.
- Truckee Meadows Research & Development: *See—*
  - Mulreany, Patrick A.; Kinney, Alan C.; and Presley, Donald C., 4,838,856, Cl. 604-65.000.
- Truckenbrod, Thomas G.: *See—*
  - Jasper, Edward P.; and Truckenbrod, Thomas G., 4,882,899, Cl. 56-220.000.
- Trucksess, A. William. Security enclosure for transaction machine. 4,856,437, 8-15-89, Cl. 109-24.100.
- Trudeau, Francis G.: *See—*
  - Gajda, Joseph J.; Srikrishnan, Kris V.; Totta, Paul A.; and Trudeau, Francis G., 4,839,715, Cl. 357-71.000.
- Trudeau, William H., to O & S Manufacturing Company. Torque rod of composite material. 4,888,236, 12-19-89, Cl. 428-34.100.
- Trudel, J. Bernard: *See—*
  - Brennan, Robert P.; Camelon, Joseph; and Trudel, J. Bernard, 4,805,211, Cl. 379-355.000.
- Trudell Medical: *See—*
  - Nowacki, Christopher; Brisson, Alfred G.; and Dela-Cruz, Exequiel, 4,809,692, Cl. 128-206.240.
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- Truderung, Axel U. R., to Saxel Industries Ltd. Lawn mower cutting assembly. 4,825,627, 5-2-89, Cl. 56-12.700.
- True, Daniel G.: *See—*
  - Taylor, Robert J.; and True, Daniel G., 4,798,159, Cl. 114-295.000.
- True, Donald C.; and Carriere, Raymond, to CXA Ltd./CXA Ltee. Delay initiator for blasting. 4,821,646, 4-18-89, Cl. 102-322.000.
- True, Donald C.: *See—*
  - Simon, James R.; True, Donald C.; and Lafond, Jacques, 4,870,902, Cl. 102-201.000.
- True, Donovan B. Ice fishing tip-up. 4,837,965, 6-13-89, Cl. 43-17.000.
- True Fitness Technology, Inc.: *See—*
  - Trulaske, James A., 4,886,266, Cl. 272-69.000.
- True, Karen J.; Griffin, G. Barbara; Griffin, Daniel V.; and Nickels, William M., to Avtar Sciences, Inc. Method and apparatus for measuring sperm penetration. 4,824,247, 4-25-89, Cl. 356-244.000.
- True Manufacturing Co., Inc.: *See—*
  - Trulaske, Arthur W., 4,875,745, Cl. 312-298.000.
- True, Thomas T.; and Good, William E., to General Electric Company. Light valve projector having an improved bar plate configuration. 4,802,735, 2-7-89, Cl. 350-162.120.
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  - Truslaske, James A., 4,844,449, Cl. 272-69.000.
- Trueba, Kenneth E.; Knight, William R.; and Nielsen, Niels J., to Hewlett-Packard Company. Hydraulically tuned channel architecture. 4,882,595, 11-21-89, Cl. 346-140.00R.
- Trueba, Kenneth E.: *See—*
  - Chan, C. S.; Meyer, Wesley L.; and Trueba, Kenneth E., 4,829,319, Cl. 346-1.100.
- Trueblood, John W.; and Mizuno, Masami, to Sony Corporation. Gamma corrected anti-aliased graphic display apparatus. 4,808,984, 2-28-89, Cl. 340-723.000.
- Truedesson, Lars: *See—*
  - Svenning, Bjornar; Svensson, Rune; and Truedesson, Lars, 4,805,549, Cl. 114-325.000.
- Trueg, Larry, to Wood's Powr-Grip Co. Tilt-top table. 4,815,395, 3-28-89, Cl. 108-112.000.
- Truehart, David C., to Lull Corp. Adjustable divided flow self-leveling system. 4,815,357, 3-28-89, Cl. 91-516.000.
- Truelove, Kevin M.: *See—*
  - Herrick, Phillip R.; Ewing, Daniel C.; Wright, Floyd H.; and Truelove, Kevin M., 4,801,877, Cl. 324-158.0MG.
- Truelove, Ronald D.: *See—*
  - Goodson, Thomas A.; and Truelove, Ronald D., 4,799,369, Cl. 70-54.000.
  - Goodson, Thomas A.; and Truelove, Ronald D., 4,873,849, Cl. 70-54.000.
- Truesdale, James H.: *See—*
  - Leonard, David P.; Truesdale, James H.; and Scherrer, Joseph H., 4,804,715, Cl. 525-245.000.
- Truesdale, R. Grant, Jr.: *See—*
  - Uken, David; Truesdale, R. Grant, Jr.; and Swan, Daniel L., 4,883,431, Cl. 439-521.000.
- Truhe, Joseph V., Jr. Continuous differential signal equalizer. 4,852,176, 7-25-89, Cl. 381-103.000.
- Truitt, Gary A.: *See—*
  - Baggiolini, Enrico G.; Partridge, John J.; Shiuey, Shian-Jan; Truitt, Gary A.; and Uskokovic, Milan R., 4,804,502, Cl. 260-397.200.
- Truitt, Robert E.: *See—*
  - Courtois, Peter D.; and Truitt, Robert E., 4,807,843, Cl. 249-61.000.
- Trujillo, David A.; McMahon, William A., Jr.; and Lyle, Robert E., Jr., to Southwest Research Institute. Polymeric decontamination composition. 4,883,608, 11-28-89, Cl. 252-189.000.
- Trujillo, David A.: *See—*
  - McMahon, William A., Jr.; Trujillo, David A.; and Lyle, Robert E., Jr., 4,885,327, Cl. 524-376.000.
- Trujillo, Ruben: *See—*
  - Felker, Michael A.; Viverito, Angelo N.; Gilstrap, John W.; Martos, Jesus J.; Trujillo, Ruben; and Wang, Chang J., 4,890,278, Cl. 370-17.000.
- Trujillo, Suzanne S.: *See—*
  - Trujillo, Ted A.; and Trujillo, Suzanne S., 4,861,364, Cl. 65-36.000.
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- Trujillo, William R., to Eastman Christensen Co. Large compact cutter rotary drill bit utilizing directed hydraulics for each cutter. 4,883,136, 11-28-89, Cl. 175-339.000.
- Trulaske, Arthur W., to True Manufacturing Co., Inc. Latch for cooler. 4,875,745, 10-24-89, Cl. 312-298.000.
- Trulaske, James A., to True Fitness Technology, Inc. Exercise treadmill. 4,886,266, 12-12-89, Cl. 272-69.000.
- Trumbauer, David V.; and Seeley, Alan E., to Deere & Company. Core defining apparatus and method. 4,844,141, 7-4-89, Cl. 164-15.000.
- Trumble, William P.; and Maritan, Cheryl M., to Bell Canada. Improved stabilization of wood preservative solutions and preservation of wood by such solutions. 4,847,002, 7-11-89, Cl. 252-400.500.
- Trumble, William P.: *See—*
  - Borkowicz, Gerzy; Trumble, William P.; and Anderson, James E., 4,851,956, Cl. 361-118.000.
- Trumbull, Christopher J. Hydraulic jack ramp. 4,886,243, 12-12-89, Cl. 254-88.000.
- Trumbull, Douglas; Collins, David, Smith, Wayne; and Spieldiener, Robert, to Showscan Film Corporation; and Intamin Corp. Inc. Est. Amusement ride apparatus with a plurality of individually tiltable frames. 4,798,376, 1-17-89, Cl. 272-18.000.
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- Trumbull, Douglas, to Showscan Film Corporation. Conversion of high to low frame rate motion picture films. 4,889,423, 12-26-89, Cl. 352-46.000.
- Trumm, Eldon E. Row crop tillage and planting unit guidance system. 4,821,807, 4-18-89, Cl. 172-6.000.
- Trummer, Bernhard; and Luder, Stefan, to Autelca AG. Device for verifying coins. 4,819,780, 4-11-89, Cl. 194-317.000.
- Trummer, Gregor: *See—*
  - Pollner, Juergen; Trummer, Gregor; and Moelzer, Peter, 4,836,734, Cl. 414-430.000.
- Trummlitz, Gunter: *See—*
  - Engel, Wolfhard; Eberlein, Wolfgang; Mihm, Gerhard; Trummlitz, Gunter; Mayer, Norbert; and De Jonge, Adriaan, 4,873,236, Cl. 514-220.000.
- Trump, Thomas R. Heading and distance measuring device and method. 4,802,283, 2-7-89, Cl. 33-431.000.
- Trumper, Jacob: *See—*
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- Trumpf GmbH & Co.: *See—*
  - Ackermann, Frank; Wollermann-Windgasse, Reinhard; and Faller, Bernd, 4,805,072, Cl. 361-328.000.
  - Xlingel, Hans, 4,869,141, Cl. 83-49.000.
- Trumpfheller, Gunter: *See—*
  - Hoferer, Richard; Klotz, Arthur; Lehmann, Volker; and Trumpfheller, Gunter, 4,881,292, Cl. 16-2.000.
- Trumpler, Walter; and Schmidt, Josef, to Sew-Eurodrive GmbH & Co. Electrical switching unit. 4,860,167, 8-22-89, Cl. 361-417.000.
- Trumpower, Bernard L., to Dartmouth College. Protein removal from soft contact lenses. 4,832,754, 5-23-89, Cl. 134-30.000.
- Trumpp, Gerhard, to Siemens Aktiengesellschaft. Circuit arrangement for time-regeneration of broadband digital signals. 4,837,778, 6-6-89, Cl. 375-4.000.
- Trumpp, Gerhard: *See—*
  - Koenig, Wilhelm; Lang, Thomas; and Trumpp, Gerhard, 4,839,643, Cl. 340-825.910.
- Trumpp, Hans J.: *See—*
  - Greschner, Johann; Schwerdt, Friedrich W.; and Trumpp, Hans J., 4,857,383, Cl. 428-156.000.
- Trumpp, Hans-Joachim: *See—*
  - Euen, Wolfgang; Hagmann, Dieter; and Trumpp, Hans-Joachim, 4,869,781, Cl. 156-643.000.
  - Horner, Eva; Muhl, Reinhold; and Trumpp, Hans-Joachim, 4,816,115, Cl. 156-643.000.
- Trundle, Clive, to Plessey Company plc., The. Photochromic gamma butyrolactones. 4,861,899, 8-29-89, Cl. 549-58.000.
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  - Bennion, Ian; Trundle, Clive; Brettle, Jack; Goodwin, Martin J.; and Glenn, Robert, 4,838,634, Cl. 350-96.120.
  - Brettle, Jack; and Trundle, Clive, 4,812,171, Cl. 106-21.000.
  - Heller, Harry G.; Oliver, Stephen N.; Whittall, John; Brettle, Jack; Trundle, Clive; and Baskerville, Martin W., 4,818,096, Cl. 351-163.000.
- Trunzo, James E.: *See—*
  - Dosaj, Vishu D.; Filsinger, Daniel H.; and Trunzo, James E., 4,798,659, Cl. 204-164.000.
- Truong, Liem V.: *See—*
  - Berg, Kenneth R.; Sundquist, Roger L.; and Truong, Liem V., 4,807,351, Cl. 29-432.000.
- Truong, Phat: *See—*
  - Dolby, Debra J.; Schreck, John F.; and Truong, Phat, 4,820,941, Cl. 307-449.000.
- Truong, Trieu-Kie; Hsu, In-Shek; and Reed, Irving S., to United States of America, National Aeronautics and Space Administration. VLSI binary updown counter. 4,845,728, 7-4-89, Cl. 377-123.000.
- Truong, Trieu-Kie: *See—*
  - Shao, Howard M.; Truong, Trieu-Kie; Hsu, In-Shek; and Deutsch, Leslie J., 4,868,828, Cl. 371-5.100.
- Trupiano, Michael S.: *See—*
  - Lata, Walter J.; and Trupiano, Michael S., 4,853,888, Cl. 364-900.000.
- Trus Joist Corporation: *See—*
  - Troutner, Arthur L., 4,798,362, Cl. 248-62.000.
  - Troutner, Arthur L.; and Atwood, Thomas M., 4,824,510, Cl. 156-288.000.
  - Troutner, Arthur L.; and O'Sullivan, Kevin B., 4,872,299, Cl. 52-693.000.
- Truscott, Aaron S. Roof drill bit. 4,819,748, 4-11-89, Cl. 175-410.000.
- Trush, David M.: *See—*
  - LaRocca, William J.; and Trush, David M., 4,856,363, Cl. 74-535.000.
- Truskolaski, Bernard S.; and Pohl, Daniel P., to Minnesota Mining and Manufacturing Company. Method of printing the backside of adhesive tape. 4,825,763, 5-2-89, Cl. 101-488.000.
- Truslaske, James A., to True & True. Infinitely adjustable elevating system for treadmill. 4,844,449, 7-4-89, Cl. 272-69.000.
- Trussardi, Nicola, to Trussardi S.p.A. Flattened container capable of withstanding crushing. 4,795,048, 1-3-89, Cl. 220-4.00B.
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  - Trussardi, Nicola, 4,795,048, Cl. 220-4.00B.
- Trussell, C. Ward: *See—*
  - Buser, Rudolph G.; and Trussell, C. Ward, 4,848,894, Cl. 351-162.000.
- Trust, Donald B.: *See—*
  - Ryan, Douglas G.; Trust, Donald B.; and Savory, Rudolph R., 4,820,400, Cl. 208-38.000.
- Trustess of Princeton University, The: *See—*
  - Shih, Chuan; and Taylor, Edward C., 4,882,333, Cl. 514-258.000.
- Trusty, Alan J.: *See—*
  - Curro, John J.; Trusty, Alan J.; and Vernon, George M., 4,839,216, Cl. 428-134.000.
- Trutek Research, Inc.: *See—*
  - Nowacki, Christopher; and Brisson, Alfred G., 4,796,614, Cl. 128-200.140.
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- Truth Incorporated: *See—*
  - Allen, R. George, 4,823,508, Cl. 49-252.000.
  - Mosch, Duane L., 4,801,164, Cl. 292-204.000.
  - Mosch, Duane L., 4,813,725, Cl. 292-241.000.
  - Nolte, Douglas A.; Rooney, Dennis J.; and Sandberg, Christopher T., 4,843,703, Cl. 29-432.100.
  - Nolte, Douglas A.; and Rooney, Dennis J., 4,845,830, Cl. 29-432.100.
  - Tucker, Daniel G., 4,840,075, Cl. 74-89.140.
- Trutna, William R.: *See—*
  - Donald, David K.; Wang, Shih-Yuan; Ranganath, Tirumala R.; Newton, Steven A.; Trutna, William R.; Bloom, David M.; and David, Frank K., 4,805,237, Cl. 455-619.000.
- Trutt, Didier: *See—*
  - Lobry, Claude; and Trutt, Didier, 4,797,996, Cl. 29-740.000.
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  - Hosel, Fritz; Kranefeld, Andreas; and Temburg, Josef, 4,813,615, Cl. 241-30.000.
  - Hosel, Fritz; and Temburg, Josef, 4,813,616, Cl. 241-36.000.
  - Hosel, Fritz, 4,870,854, Cl. 73-1.00H.
  - Jagst, Peter, 4,797,980, Cl. 19-107.000.
  - Jagst, Peter; and Thannheiser, Axel, 4,798,516, Cl. 415-121.00A.
  - Kluttermann, Jurgen, 4,815,171, Cl. 19-159.00R.
  - Kranefeld, Andreas; and Temburg, Josef, 4,796,335, Cl. 19-80.00R.
  - Leifeld, Ferdinand; and Selker, Hermann G., 4,797,976, Cl. 19-200.000.
  - Leifeld, Ferdinand; and Hosel, Fritz, 4,805,266, Cl. 19-0.200.
  - Leifeld, Ferdinand, 4,805,268, Cl. 19-105.000.
  - Leifeld, Ferdinand, 4,811,463, Cl. 19-105.000.
  - Leifeld, Ferdinand; and Nohr, Franz J., 4,817,247, Cl. 19-105.000.
  - Leifeld, Ferdinand, 4,839,943, Cl. 19-80.00R.
  - Portell, Jose, 4,815,170, Cl. 19-105.000.
- Truvillot, Pascal M.: *See—*
  - Barbier, Gerard Y. G.; Laboure, Gerard J. P. B.; Desaulty, Michel A. A.; Duchene, Francois; and Truvillot, Pascal M., 4,805,397, Cl. 60-39.320.
- Truworths Limited: *See—*
  - Wyatt, Roger M., 4,821,893, Cl. 211-123.000.
- Truyens, Hendrikus M. T. Collapsible structure. 4,816,310, 3-28-89, Cl. 428-12.000.
- TRW Automotive Products Inc.: *See—*
  - Goetz, George W., 4,817,828, Cl. 222-3.000.
- TRW Cam Gears Limited: *See—*
  - Adams, Frederick J., 4,838,106, Cl. 74-368.0PS.
  - Adams, Frederick J., 4,856,608, Cl. 180-148.000.
  - Adams, Frederick J., 4,865,150, Cl. 180-148.000.
  - North, Bernard G., 4,794,997, Cl. 180-79.100.
  - Rayner, Alan, 4,823,839, Cl. 137-625.240.
- TRW Canada, Ltd.: *See—*
  - Polkinghorne, John; and Desnoyers, Michael, 4,816,823, Cl. 340-825.150.
  - Polkinghorne, John, 4,843,833, Cl. 62-180.000.

  - Polkinghorne, John, 4,879,878, Cl. 62-187.000.
- TRW Ehrenreich GmbH & Co. KG: *See—*
  - Blumberg, Willy; Schutt, Hans J.; Mette, Ulrich; Barbet, Karl H.; Busse, Fritz; and Klier, Benno, 4,812,073, Cl. 403-134.000.
  - Glatzel, Michael; and Blumberg, Willy, 4,832,523, Cl. 403-134.000.
- TRW Inc.: *See—*
  - Archer, John S., 4,847,506, Cl. 250-515.100.
  - Assawa, Charles K., 4,817,205, Cl. 455-612.000.
  - Bianchi, Maurice P., 4,836,860, Cl. 134-21.000.
  - Blazek, William S., 4,850,419, Cl. 164-122.100.
  - Botez, Dan, 4,852,113, Cl. 372-50.000.
  - Botez, Dan; and Mawst, Luke J., 4,866,724, Cl. 372-50.000.
  - Brennan, Daniel G.; Gutwald, Mark J.; and Miller, Leonard J., 4,819,117, Cl. 361-18.000.
  - Brock, John C., 4,803,686, Cl. 372-44.000.
  - Brock, John C., 4,879,468, Cl. 250-374.000.
  - Brooks, Robert E., 4,815,035, Cl. 365-108.000.
  - Brooks, Robert E., 4,823,402, Cl. 455-607.000.
  - Brown, Louis R., 4,800,764, Cl. 73-862.330.
  - Brown, Louis R., 4,856,606, Cl. 180-140.000.
  - Chuang, Jo-Yu, 4,799,844, Cl. 411-414.000.
  - Clark, George L.; and Heflinger, Lee O., 4,847,479, Cl. 250-201.000.
  - Clough, Melvyn J. L.; Mackowiak, Stephen P.; and Lewis, Jeffrey C., 4,850,778, Cl. 411-433.000.
  - Drutchas, Gilbert H., deceased; and Borza, John S., 4,828,060, Cl. 180-79.100.
  - Drutchas, Gilbert H., deceased; and Borza, John S., 4,887,682, Cl. 180-79.100.
  - Dymond, Richard W., 4,819,545, Cl. 91-371.000.
  - Egense, Andrea L. [illegible]; and Kuenzly, John D., 4,873,930, Cl. 110-345.000.
  - Figueroa, Luis; Morrison, Charles B.; Zinkiewicz, Lawrence M.; and Niesen, Joseph W., 4,856,014, Cl. 372-46.000.
  - Fishman, Erwin, Kraft, Morton L.; and Coleman, William B., 4,833,040, Cl. 428-570.000.
  - Fleck, Gerald W., 4,812,737, Cl. 323-271.000.
  - Fucci, Joseph G.; and Clough, Melvyn J. L., 4,819,954, Cl. 277-235.00B
  - Gray, Joseph H.; Greenstreet, Mark R.; and Jorgensen, Lars M., 4,868,776, Cl. 364-726.000.
  - Hovanchak, John A., 4,811,813, Cl. 180-79.100.
  - Hudgens, Bernard C., 4,846,317, Cl. 188-299.000.
  - Ingerson, Paul G., 4,855,751, Cl. 343-779.000.
  - Jenkins, John C., 4,850,772, Cl. 411-171.000.
  - Jones, Robert J.; and Chang, Glenn E. C., 4,880,584, Cl. 264-135.000.
  - Kaminskas, Rimvydas A., 4,811,034, Cl. 343-915.000.
  - Kleks, Jonathan A., 4,814,642, Cl. 307-350.000.
  - Klosterhaus, Edwin G.; and Feindel, Robert E., 4,887,683, Cl. 180-148.000.
  - Koutsoukos, Elias P., 4,873,214, Cl. 502-185.000.
  - Kuenzly, John D., 4,800,825, Cl. 110-345.000.
  - Leete, John H., II; and Skinner, William J., 4,835,932, Cl. 52-648.000.
  - Leibowitz, Joseph D., 4,812,792, Cl. 333-238.000.
  - Leibowitz, Joseph D., 4,814,945, Cl. 361-414.000.
  - Leibowitz, Joseph D., 4,875,282, Cl. 29-830.000.
  - Leveque, James H.; Williams, Frederick A.; and Eldon, John, 4,839,906, Cl. 375-37.000.
  - Marum, John R., 4,800,302, Cl. 307-441.000.
  - Maschke, Alfred W., 4,795,912, Cl. 250-356.00R.
  - McCurdy, Roger A., 4,814,684, Cl. 323-222.000.
  - McCurdy, Roger A.; and Stonerook, Dana A., 4,825,148, Cl. 324-64.000.
  - McCurdy, Roger A.; and Stonerook, Dana A., 4,835,513, Cl. 340-438.000.
  - Miller, Cynthia S., 4,833,354, Cl. 310-87.000.
  - Morell, Philip C., 4,819,499, Cl. 74-498.000.
  - Neff, Charles E., 4,828,237, Cl. 267-221.000.
  - Neff, Charles E., 4,858,712, Cl. 180-143.000.
  - Neil, George R.; and Edighoffer, John A., 4,809,281, Cl. 372-2.000.
  - Palmer, William B.; and Giebler, Martin M., 4,862,190, Cl. 343-915.000.
  - Prinz, Thomas K.; and Dier, Stephen A., 4,799,303, Cl. 29-157.10R.
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  - Rabe, William T.; and Gilbert, Wendell L., 4,872,393, Cl. 91-375.00A.
  - Rau, Bantwal R.; Glaeser, Christopher D.; and Kuekes, Philip J., 4,811,201, Cl. 364-200.000.
  - Rourke, Kenneth H.; and Hart, Raymond J., 4,880,187, Cl. 244-172.000.
  - Schoen, Neil C., 4,867,534, Cl. 350-319.000.
  - Shoup, Thomas E., 4,804,820, Cl. 219-98.000.
  - Shtarkman, Emil M., 4,869,476, Cl. 267-140.100.
  - Silver, Arnold H., 4,879,488, Cl. 341-171.000.
  - Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Yang, Jane J., 4,868,839, Cl. 372-50.000.
  - Statkus, Robert J., 4,804,303, Cl. 411-41.000.
  - Taber, John E., 4,809,156, Cl. 364-200.000.
  - Thaniyavarn, Suwat, 4,820,009, Cl. 350-96.130.
  - Thaniyavarn, Suwat, 4,878,724, Cl. 350-96.140.
  - Thorpe, J. Carlton; and Konsevich, Francis X., 4,806,892, Cl. 333-246.000.
  - Tice, David A., 4,841,801, Cl. 74-573.00R.
  - Ubhayakar, Shivadev K., 4,848,179, Cl. 74-479.000.
  - Walker, Robert H.; Voigt, Du Monte O.; and Yeager, Andrea L., 4,827,510, Cl. 380-14.000.
  - Wand, Thomas J.; Gaubis, Philip A.; and Gurst, Philip Q., Jr., 4,800,974, Cl. 180-79.100.
  - Wood, Ruey E., Jr., 4,797,019, Cl. 403-133.000
  - Wood, Ruey E., Jr., 4,887,486, Cl. 74-588.000.
  - Yang, Jane J.; and Hong, Chi-Shain, 4,821,279, Cl. 372-46.000.
  - Yang, Jane J. J.; Simmons, William W.; Jansen, Michael; Wilcox, Jaroslava Z.; and Sergant, Moshe, 4,869,78[illegible], Cl. 156-643.000.
  - Zaremba, Jerzy G., 4,864,300, Cl. 341-6.000.
- TRW Repa GmbH: *See—*
  - Biller, Dieter; and Biller, Joachim, 4,872,704, Cl. 280-808.000.
  - Fohl, Artur, 4,810,005, Cl. 280-732.000.
  - Fohl, Artur, 4,828,286, Cl. 280-731.000.
  - Fohl, Artur, 4,838,499, Cl. 242-107.000.
  - Fohl, Artur, 4,846,498, Cl. 280-808.000.
  - Mitzkus, Jurgen; and Wiesner, Dieter, 4,878,689, Cl. 280-731.000.
- TRW United Carr GmbH: *See—*
  - Kraus, Willibald, 4,801,040, Cl. 220-307.000.
  - Kraus, Willibald, 4,859,129, Cl. 411-512.000.
  - Kraus, Willibald, 4,881,705, Cl. 248-74.200.
- TRW United-Carr Ltd.: *See—*
  - Barnett, Barry R. M.; and Ellis, David C., 4,797,983, Cl. 24-289.000
  - Neil, Gary A.; and Ferguson, Edward H. F., 4,840,345, Cl. 248-74.200.
- TRW Vehicle Safety Systems Inc.: *See—*
  - Brown, Louis R.; and Higbee, Wallace C., 4,854,522, Cl. 242-107.700.
  - Fernandez, Angel, 4,811,913, Cl. 242-107.600.
  - Goetz, George W.; and Hamilton, Brian K., 4,806,180, Cl. 149-5.000.
  - Goetz, George W., 4,846,368, Cl. 222-3.000.
  - Higbee, Wallace C., 4,830,310, Cl. 242-107.700.
  - Higbee, Wallace C.; and Bauer, Barney J., 4,840,324, Cl. 242-107.600.
  - Kitokovsky, Alexander P., 4,878,271, Cl. 24-194.000.
  - Kotikovsky, Alexander P.; and Tait, Robert E., 4,878,27[illegible], Cl. 24-196.000.
  - Lenzen, Reiner, 4,858,951, Cl. 280-741.000.
  - Schmidt, Utz H.; and Asfour, Richard E., 4,856,727, Cl. 242-107.40B.
  - Willey, Ronald A., 4,871,190, Cl. 280-801.000.
  - Ziomek, Joseph F.; Dick, Joseph G.; and Goetz, George W., 4,842,300, Cl. 280-732.000.
- Trycomm Technologies, Inc.: *See—*
  - Unser, Bobby; and Crum, Stephen T., 4,887,086, Cl. 342-20.000.
- Trygg, Hannu: *See—*
  - Niittyla, Heikki; Trygg, Hannu; Ljokkoi, Juhani; Po[illegible]kolainen, Esko; and Vehmaa, Raumo, 4,869,463, Cl. 251-149.600
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- Tryggvason, Karl; and Liotta, Lance A. Basement membrane collagen degrading enzyme and method of purifying same. 4,816,400, 3-28-89, Cl. 435-219.000.
- Trygstad, Joyce C.: *See—*
  - Buchan, Stuart H.; Ehrlich, Robert; Trygstad, Joyce C.; and Wardlaw, Norman C., 4,882,763, Cl. 382-1.000.
- Trystam, Gilles: *See—*
  - Vasseur, Jean; and Trystam, Gilles, 4,831,867, Cl. 73-29.000.
- Trytten, Anne: *See—*
  - Carden, Matthew J.; Lantz, Kim; Reh, Theresa L.; Trytten, Anne; and Lubino, Yves, 4,887,260, Cl. 370-60.000.
- Trzasko, Peter T.: *See—*
  - Hasuly, Michael J.; and Trzasko, Peter T., 4,859,509, Cl. 427-442.000.
- Trzaskos, Casmir R.: *See—*
  - Cueman, Michael K.; Trzaskos, Casmir R.; Thomas, Lewis J., III; and Greskovich, Charles D., 4,870,279, Cl. 250-368.000.
- Trzaskos, William J.: *See—*
  - Baretz, Bruce H.; and Trzaskos, William J., 4,859,369, Cl. 252-700.000.
- TSA, Inc.: *See—*
  - Annas, Dulin L., Sr, Dulin L.; and Teague, Richard M., 4,853,067, Cl. 156-351.000.
- Tsadilas, James R.: *See—*
  - Dobyns, Kenneth P.; and Tsadilas, James R., 4,813,194, Cl. 52-309.130.
- Tsai, Aaron. Vertically assembled compact. 4,807,773, 2-28-89, Cl. 220-4.00D.
- Tsai, Albert G.; Westerman, John F.; and Ott, Victor J., to Thermal Energy Storage, Inc. Clathrate thermal storage system. 4,821,794, 4-18-89, Cl. 165-104.170.
- Tsai, Allan. Cleaning pen for cleaning spectacle lenses. 4,818,134, 4-4-89, Cl. 401-195.000.
- Tsai, Bin-ming B.; and Babian, Fred E., to KLA Instruments Corporation. Method and apparatus for detecting defects in repeated microminiature patterns. 4,845,558, 7-4-89, Cl. 358-106.000.
- Tsai, Boh C.: *See—*
  - Farrell, Christopher J.; Tsai, Boh C.; and Wachtel, James A., 4,816,342, Cl. 428-475.500.
  - McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.

- Tsai, Chao-Hsiung, to Jiuh Lung Enterprise Co., Ltd. Footwear having single-layer ventilating and massaging insole. 4,831,749, 5-23-89, Cl. 36-3.00B.
- Tsai, Chee-Hway: *See—*
  - Braun, Steven D.; Dake, Timothy W.; and Tsai, Chee-Hway, 4,830,862, Cl. 426-74.000.
  - Piotrowski, Robert D.; Ross, George R.; Strobel, Rudolf G. K.; Thundathil, Raju V.; and Tsai, Chee-Hway, 4,818,555, Cl. 426-599.000.
  - Powers, John R.; Stipp, Gordon K.; Strobel, Rudolf G. K.; and Tsai, Chee-Hway, 4,889,739, Cl. 426-599.000.
- Tsai, Chein M. Circulating multi-forming continuous printing machine. 4,795,143, 1-3-89, Cl. 270-53.000.
- Tsai, Chiang-Tung, to Lien-Chiang Optician's Company, Ltd. Apparatus and method for retaining a spectacle lens on a rimless spectacle frame with a tough cord. 4,842,399, 6-27-89, Cl. 351-106.000.
- Tsai, Ching-Eeng; and Tarng, Guang-Der, to Industrial Technology Research Institute. Lubricating device for two-stroke engine. 4,794,896, 1-3-89, Cl. 123-193.000.
- Tsai, Chung-Chieh, to Ashland Oil, Inc. Compatible polyol blends for high modulus polyurethane compositions. 4,826,885, 5-2-89, Cl. 521-176.000.
- Tsai, Frank W., to Kinetics Technology International. Method of operating a furnace hydrocarbon converter. 4,879,020, 11-7-89, Cl. 208-130.000.
- Tsai, Hsin: *See—*
  - Morr, Michael; Kakoschke, Christel; Tsai, Hsin; and Getzlaff, Rita, 4,845,222, Cl. 544-[illegible]47.000.
- Tsai, Hun-Lian: *See—*
  - Chen, Ih-Chin; Shen, Bing W.; Bohlman, James G.; and Tsai, Hun-Lian, 4,888,820, Cl. 361-313.000.
- Tsai, Hung-Chie. Self-powered computerized advertisement board. 4,805,329, 2-21-89, Cl. 40-550.000.
- Tsai, Huo L. Manufacturing method of a keyboard. 4,831,719, 5-23-89, Cl. 29-622.000.
- Tsai, Jame. Screwdriver with insulated shaft and polygonal driving head. 4,858,504, 8-22-89, Cl. 81-436.000.
- Tsai, James. Flashing spectacles. 4,822,160, 4-18-89, Cl. 351-158.000.
- Tsai, James T. Circuit protection device. 4,878,038, 10-31-89, Cl. 337-107.000.
- Tsai, Jing-Hwang. Push-type wire terminating apparatus. 4,886,472, 12-12-89, Cl. 439-656.000.
- Tsai, John J.; and Tessler, Martin M., to National Starch and Chemical Corporation. Synthetic homo- and heteropolysaccharides and a method for the preparation thereof. 4,831,128, 5-16-89, Cl. 536-111.000.
- Tsai, John J.; Jobe, Patrick G.; and Billmers, Robert L., to National Starch and Chemical Corporation. Polysaccharide graft polymers containing acetal groups and their conversion to aldehyde groups. 4,866,151, 9-12-89, Cl. 527-300.000.
- Tsai, John J.: *See—*
  - Tessler, Martin M.; Billmers, Robert L.; and Tsai, John J., 4,804,769, Cl. 549-374.000.
- Tsai, Lii-Chyuan: *See—*
  - Liu, Jonq-Min; Chen, Tai-Jun; Tsai, Lii-Chyuan; and Pai, Li-Wen, 4,882,250, Cl. 430-58.000.
- Tsai, Ming T. Converter. 4,858,076, 8-15-89, Cl. 361-417.000.
- Tsai, Nun-Sian: *See—*
  - Chen, Min-Liang; Leung, Chung W.; Lu, Chih-Yuan; and Tsai, Nun-Sian, 4,886,765, Cl. 437-200.000.
- Tsai, Peter. Outdoor game dart. 4,887,822, 12-19-89, Cl. 273-420.000.
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  - Lush, Richard A.; and Tsao, Hsiang-Wei, 4,877,920, Cl. 585-823.000.
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  - Wang, Henry Y.; and Tsao, I-Fu, 4,869,826, Cl. 210-679.000.
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  - Worner, Gunter; Moser, Franz; and Tscheplak, Ernest, 4,846,759, Cl. 464-68.000.
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  - Kobel, Hans; Sanglier, Jean-Jacques; Tscherter, Hans; and Bolliger, Georg, 4,804,660, Cl. 514-250.000.
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  - Sullivan, Marian D.; and Tschetter, Elaine A., 4,815,967, Cl. 431-295.000.
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  - Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.
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  - Drits, Vladimir; and Tselesin, Naum, 4,873,605, Cl. 361-143.000.
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  - Cherendin, Alexandr F.; Stoyanovsky, Oleg I.; Shepelev, Lev N.; Mitrofanov, Vladislav V.; Manzhalei, Viktor I.; Tsemakhovich, Abram D.; Moskvitin, Georgy P.; and Galutsky, Valery G., 4,819,917, Cl. 266-51.000.
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  - Hagiwara, Haruo; Tsukamoto, Hideo; and Tsubaki, Yasuhiro, 4,802,253, Cl. 8-158.000.
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  - Katsube, Shinji, 4,824,281, Cl. 403-369.000.

  - Kitao, Nobuo; and Shimomura, Yoshimasa, 4,833,876, Cl. 59-78.100.
  - Kotegawa, Katsumi; and Kanehira, Makoto, 4,795,408, Cl. 474-209.000.
  - Mino, Joji; and Ishikura, Takashi, 4,867,070, Cl. 104-293.000.
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  - Suzuki, Tadasu, 4,822,320, Cl. 474-111.000.
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  - Tonegai, Mitsuyasu, 4,869,600, Cl. 384-43.000.
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  - Kagiya, Tsutomu; Minagawa, Motonobu; Nakahara, Yutaka; Kimura, Ryoji; Tsubakimoto, Tsuneo; Oshiumi, Ryoichi; and Sakano, Koichi, 4,820,844, Cl. 548-266.000.
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  - Miyazawa, Chihiro; Mikami, Hiroshi; Tsuboi, Akio; and Hamano, Katsuhide, 4,822,917, Cl. 568-454.000.
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  - Kubo, Kazuo; Nomura, Itsuro; Nishitani, Kunihiko; and Tsuboi, Noboru, 4,826,412, Cl. 418-180.000.
  - Nishitani, Kunihiko; and Tsuboi, Noboru, 4,808,095, Cl. 418-15.000.
- Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, to Hitachi, Ltd. Optical recording method and apparatus using two light spots. 4,841,514, 6-20-89, Cl. 369-100.000.
- Tsuboi, Nobuyoshi: *See—*
  - Ito, Tetsuo; Sasaki, Hiroshi; Sato, Yoshio; Shimada, Satoshi; Miyamoto, Norifumi; Tsuboi, Nobuyoshi; Nihei, Hideki; and Koyanagi, Hiroaki, 4,811,328, Cl. 369-112.000.
  - Miyamoto, Norifumi; Sato, Yoshio; Tsuboi, Nobuyoshi; Shimada, Satoshi; Sasaki, Hiroshi; Koyanagi, Hiroaki; and Minemura, Hiroyuki, 4,862,440, Cl. 369-45.000.
- Tsuboi, Shinichi: *See—*
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,803,277, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,806,553, Cl. 514-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Moriya, Koichi; and Baasner, Bernd, 4,812,454, Cl. 514-256.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,812,571, Cl. 546-296.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; and Moriya, Koichi, 4,845,106, Cl. 514-342.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Kagabu, Shinzo; Sasaki, Shoko; Moriya, Koichi; and Hattori, Yumi, 4,849,432, Cl. 514-341.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,876,263, Cl. 514-338.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Moriya, Koichi; and Shibuya, Katsuhiko, 4,880,933, Cl. 544-332.000.
  - Shiokawa, Kozo; Tsuboi, Shinichi; Sasaki, Shoko; Moriya, Koichi; Hattori, Yumi; and Shibuya, Katsuhiko, 4,882,344, Cl. 514-342.000.
- Tsuboi, Takashi: *See—*
  - Itahana, Hiroshi; Usui, Yoshinori; and Tsuboi, Takashi, 4,864,385, Cl. 357-82.000.
- Tsuboi, Takayuki, to Canon Kabushiki Kaisha. Magnification change-over device for camera. 4,811,041 3-7-89, Cl. 354-195.120.
- Tsuboi, Takayuki, to Canon Kabushiki Kaisha. Distance measuring device. 4,827,303, 5-2-89, Cl. 354-403.000.
- Tsuboi, Takayuki; Nakazawa, Isao; Harunari, Yoshihiro; Sato, Yasuhisa; and Yamada, Yasuyuki, to Canon Kabushiki Kaisha. Magnification change-over device for camera. 4,862,202, 8-29-89, Cl. 354-195.120.
- Tsuboi, Takayuki; Nakazawa, Isao; Maeno, Hiroshi; and Shiomi, Yasuhiko, to Canon Kabushiki Kaisha. Focal length varying device for camera. 4,870,439, 9-26-89, Cl. 354-195.120.
- Tsuboi, Tetsuo: *See—*
  - Tajima, Kenji; Tsuboi, Tetsuo; and Arata, Ryozo, 4,888,371, Cl. 524-120.000.
- Tsuboike, Yoshihiko: *See—*
  - Iida, Giichi; and Tsuboike, Yoshihiko, 4,809,502, Cl. 60-316.000.
  - Nagai, Noboru; Hashimoto, Yoshisato; Tsuboike, Yoshihiko; and Kaito, Noboru, 4,872,309, Cl. 60-316.000.
- Tsubomatsu, Yoshiaki: *See—*
  - Kida, Akinari; Fukutomi, Naoki; Tsubomatsu, Yoshiaki; and Yasuoka, Takuya, 4,830,691, Cl. 156-631.000.
- Tsubone, Tsunehiko: *See—*
  - Kakehi, Yutaka; Nakazato, Norio; Fukushima, Yoshimasa; Shibata, Fumio; Tsubone, Tsunehiko; and Kanai, Norio, 4,824,309, Cl. 414-217.000.
- Tsuboniwa, Noriyuki; Urano, Satoshi; and Mizuguchi, Ryuzo, to Nippon Paint Co., Ltd. Blocked isocyanatocarbonyl group-containing polymers, and their production and use. 4,816,537, 3-28-89, Cl. 526-301.000.
- Tsubono, Isamu: *See—*
  - Kaku, Nobuyuki; Masuda, Kenmei; and Tsubono, Isamu, 4,814,910, Cl. 360-85.000.
- Tsubosaki, Kunihiro: *See—*
  - Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.
- Tsuboshima, Masami: *See—*
  - Narumiya, Shuh; Hayaishi, Osamu; Kimura, Yoshiharu; and Tsuboshima, Masami, 4,812,457, Cl. 514-226.200.
- Tsubota, Hiroyki: *See—*
  - Takami, Tetuji; Tsubota, Hiroyki; and Ochi, Hisashi, 4,888,289, Cl. 435-15.000.
- Tsubota, Kojiro: *See—*
  - Nakagawa, Kenichi; Tsubota, Kojiro; and Yamamoto, Kunihiko, 4,870,486, Cl. 358-92.000.
- Tsubota, Makio: *See—*
  - Asayama, Yoshio; Tsubota, Makio; Takitani, Yukitaka; and Okura, Yasunori, 4,836,057, Cl. 74-867.000.
- Tsubota, Noriaki; and Tokuno, Toshiro, to Mita Industrial Co., Ltd. Processes for producing electrophotographic toner. 4,849,318, 7-18-89, Cl. 430-137.000.
- Tsubota, Tetsuro; and Kubota, Yukio, to Sony Corp. Magnetic tape recording and/or reproducing apparatus rotary head assembly having sweeping device. 4,849,839, 7-18-89, Cl. 360-84.000.
- Tsubota, Toshio: *See—*
  - Nishizawa, Shunichi; Tsubota, Toshio; and Chikura, Takashi, 4,803,895, Cl. 74-603.000.
- Tsubota, Yasumasa: *See—*
  - Shibahata, Yasuji; Fukunaga, Yukio; Tsubota, Yasumasa; Uno, Takaaki; and Okuyama, Yuji, 4,878,557, Cl. 180-140.000.
- Tsubouchi, Hidetsugu: *See—*
  - Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.
- Tsubouchi, Junichi: *See—*
  - Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.
  - Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl. 364-900.000.
- Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Hand brake lever assembly for parking brake. 4,805,480, 2-21-89, Cl. 74-503.000.

Tsubouchi, Kaoru; and Ochiai, Chiaki, to Aisin Seiki Kabushiki Kaisha. Reservoir inlet assembly for a master cylinder. 4,807,438, 2-28-89, Cl. 60-585.000.

Tsubouchi, Kazuo: *See—*

Mikoshiba, Nobuo; Tsubouchi, Kazuo; and Nagao, Makoto, 4,799,244, Cl. 377-58.000.

Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; and Arai, Akira, to Hitachi, Ltd. Apparatus for transferring small amount of fluid. 4,808,084, 2-28-89, Cl. 417-322.000.

Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; Okusawa, Tsutomu; and Arai, Akira, to Hitachi, Ltd. Apparatus for transferring small amount of fluid. 4,822,250, 4-18-89, Cl. 417-45.000.

Tsubouchi, Kuniyoshi: *See—*

Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, 4,875,170, Cl. 364-507.000.

Tsubouchi, Natsuro; and Kimata, Masafumi, to Mitsubishi Denki Kabushiki Kaisha. Process for manufacture of a semiconductor memory device. 4,853,348, 8-1-89, Cl. 437-203.000.

Tsubouchi, Natsuro: *See—*

Kimata, Masafumi; and Tsubouchi, Natsuro, 4,809,048, Cl. 357-24.000.

Kono, Keizo; Kondou, Mitsushige; Tsubouchi, Natsuro; Hine, Shiro; Nishihara, Hiroshi; and Suhara, Toshiaki, 4,859,033, Cl. 350-320.000.

Tsubouchi, Toshihiro: *See—*

Konagaya, Yoshiaki; Tanaka, Tooru; Takaine, Masami; and Tsubouchi, Toshihiro, 4,801,437, Cl. 423-210.000.

Tsubouchi, Toshiyuki; Abe, Kazuaki; and Hata, Hitoshi, to Idemitsu Kosan Company Limited. Fluid composition. 4,840,745, 6-20-89, Cl. 252-73.000.

Tsuboyama, Akira, to Canon Kabushiki Kaisha. Ferroelectric liquid crystal device having dual laminated alignment films. 4,796,979, 1-10-89, Cl. 350-350.00S.

Tsuboyama, Akira; Kitayama, Hiroyuki; and Taniguchi, Osamu, to Canon Kabushiki Kaisha. Liquid crystal device with ferroelectric liquid crystal oriented at non-pixel portions. 4,846,560, 7-11-89, Cl. 350-350.00S.

Tsuboyama, Akira: *See—*

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, 4,882,085, Cl. 252-299.610.

Tsubuko, Kazuo, to Ricoh Co., Ltd. Liquid developer for electrophotography. 4,797,341, 1-10-89, Cl. 430-114.000.

Tsubuko, Kazuo; and Nagai, Kayoko, to Ricoh Company, Ltd. Developer for electrophotography. 4,855,207, 8-8-89, Cl. 430-109.000.

Tsubuku, Takako: *See—*

Wakabayashi, Hidehiko; Tsubuku, Takako; Ueda, Youichi; and Miyajima, Ryuichi, 4,849,238, Cl. 426-537.000.

Tsuburai, Yasuhiko: *See—*

Yamamoto, Motoyuki; and Tsuburai, Yasuhiko, 4,855,250, Cl. 437-81.000.

Tsuburaya, Toshihiko: *See—*

Kasai, Yoichi, deceased; Kawamura, Akio; Nakanishi, Yoshimi; Kakita, Akira; Tsuburaya, Toshihiko; Kuraoka, Yasuo; and Sakao, Nobuo, 4,883,452, Cl. 600-36.000.

Tsuchida, Eiharu; and Nagasawa, Hisayoshi, to Kuron Corporation. Overhead blind. 4,802,521, 2-7-89, Cl. 160-172.000.

Tsuchida, Hirofumi; and Mihara, Shin-ichi, to Olympus Optical Co., Ltd. Variable focal length lens system. 4,810,071, 3-7-89, Cl. 350-423.000.

Tsuchida, Hirofumi; Tanaka, Toshiaki; Oyamada, Akira; and Hirao, Sumio, to Nissan Motor Co., Ltd. Swirl chamber for diesel engines and the like. 4,875,444, 10-24-89, Cl. 123-270.000.

Tsuchida, Hirofumi: *See—*

Doi, Kazuhiro; Fujii, Bunichiro; Honda, Naoki; Kanesaka, Hiroyuki; and Tsuchida, Hirofumi, 4,833,373, Cl. 318-114.000.

Kunishige, Keiji; and Tsuchida, Hirofumi, 4,828,383, Cl. 356-1.000.

Tsuchida, Kouji: *See—*

Tanabe, Susumu; Sekii, Shigekazu; Tsuchida, Kouji; and Ishizu, Yoshiô, 4,841,981, Cl. 128-692.000.

Tsuchida, Masami; Suzuki, Shiro; Koguchi, Kiichiro; Takahashi, Tokihiro; and Sato, Takayuki, to Pioneer Electronic Corporation. Magnetic recording/reproducing apparatus for magnetically reproducing signals from one tape and recording the signals onto a second tape. 4,887,170, 12-12-89, Cl. 360-15.000.

Tsuchida, Masami: *See—*

Kikuchi, Takashi; Amemiya, Naomi; Tsuchida, Masami; Suzuki, Shiro; and Tanabe, Masashi, 4,817,075, Cl. 369-47.000.

Tsuchida, Masumi: *See—*

Semura, Norio; Tsuchida, Masumi; and Shimamura, Yoshihiro, 4,879,803, Cl. 29-598.000.

Tsuchida, Nobuo: *See—*

Ishiwa, Hiromi; Shibahara, Harue; Mutai, Masahiko; and Tsuchida, Nobuo, 4,876,202, Cl. 435-320.000.

Tsuchida, Seiichi; and Ishimoto, Tsukasa, to Arakawa Chemical Industries, Ltd. Process for preparing liquid rosin ester with anthraquinone and alkali metal iodide. 4,822,526, 4-18-89, Cl. 260-103.000.

Tsuchida, Shinya: *See—*

Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,853,429, Cl. 524-29.000.

Sannan, Takanori; Seki, Mitsutaka; Tsuchida, Shinya; and Horiguchi, Shojiro, 4,881,343, Cl. 47-57.600.

Tsuchida, Tetsuo; and Yamanoi, Yoshinori, to Honda Giken Kogyo Kabushiki Kaisha. Acceleration sensor for vehicle wheel braking anti-lock controller. 4,815,570, 3-28-89, Cl. 188-181.00A.

Tsuchida, Tsuyoshi: *See—*

Iguchi, Isamu; Ohshima, Hirofumi; Deguchi, Hiroaki; and Tsuchida, Tsuyoshi, 4,831,978, Cl. 123-195.00H.

Tsuchida, Yasuyuki: *See—*

Deguchi, Yutaka; Momohara, Hideo; Tsuchida, Yasuyuki; Ootani, Toshio; and Nakanishi, Yuji, 4,832,576, Cl. 417-45.000.

Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; and Hasebe, Nobuhisa, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha; and Nippon Kokan Kabushiki Kaisha. Mold apparatus for endless track type continuous casting machine. 4,807,692, 2-28-89, Cl. 164-430.000.

Tsuchida, Yutaka; Takahashi, Shuzo; Osada, Shiro; Sato, Hisashi; Ozeki, Akichika; and Hasebe, Nobuhisa, to Ishikawajima-Harima Jukogyo Kabushiki Kaisha; and Nippon Kokan Kabushiki Kaisha. Apparatus for pouring molten metal. 4,821,790, 4-18-89, Cl. 164-430.000.

Tsuchida, Yutaka: *See—*

Koyasu, Yoshiro; Tsuchida, Yutaka; and Suzuki, Nobukazu, 4,806,178, Cl. 148-330.000.

Tsuchihashi, Akira; and Ezawa, Naoya, to Hitachi, Ltd. Manipulator system with small arm removably attachable at points along large arm. 4,865,514, 9-12-89, Cl. 414-736.000.

Tsuchihashi, Hironori: *See—*

Samejima, Kazuo; Tsuchihashi, Hironori; Sato, Tsuyoshi; Hamada, Toshihiko; Kida, Hideo; and Kasamatsu, Kiyoto, 4,882,898, Cl. 56-208.000.

Tsuchihashi, Michihiro: *See—*

Anzai, Yoshinori; Saikatsu, Takeo; Saito, Masato; and Tsuchihashi, Michihiro, 4,837,478, Cl. 313-112.000.

Tsuchihashi, Tsuneyuki; and Itoh, Nobuaki, to Yokohama Aeroquip Corporation. Four-way valve. 4,825,908, 5-2-89, Cl. 137-625.430.

Tsuchihashi, Yoshiaki: *See—*

Hashimoto, Tadahiko; Nagae, Yoshiharu; Takasaka, Masahiro; Mori, Yuji; Hoshino, Minoru; Kozima, Yasuyuki; Saito, Youhei; Fukuda, Kyohei; Kozai, Hayao; Hasimoto, Tadahiko; and Tsuchihashi, Yoshiaki, 4,838,655, Cl. 350-335.000.

Tsuchikawa, Koji: *See—*

Torimitsu, Hiroshi; Takeda, Yukimasa; and Tsuchikawa, Koji, 4,838,702, Cl. 366-149.000.

Tsuchikawa, Syuji: *See—*

Mawatari, Masaaki; Itoh, Tetsuo; Tsuchikawa, Syuji; and Kimura, Shinichi, 4,839,425, Cl. 525-92.000.

Tsuchikura, Akira: *See—*

Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, 4,810,746, Cl. 524-522.000.

Tsuchikura, Kaname: *See—*

Ichinomiya, Keizi; Okada, Kouichi; Itsuki, Yuji; and Tsuchikura, Kaname, 4,890,033, Cl. 313-487.000.

Tsuchimoto, Hideyuki: *See—*

Karakawa, Koichi; Yoshimatsu, Tatsuhiko; Tsuchimoto, Hideyuki; and Hiwatashi, Katsumi, 4,852,484, Cl. 101-170.000.

Tsuchimoto, Shuhei: *See—*

Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.

Komoda, Tomohisa; Ishizuka, Mamoru; Tsuchimoto, Shuhei; and Yoshikawa, Mitsuhiko, 4,824,539, Cl. 204-192.200.

Ohhara, Soji; Nishigaki, Satoshi; Tsuchimoto, Shuhei; and Kita, Ryusuke, 4,828,876, Cl. 427-76.000.

Sugimura, Hiroshi; Imada, Eiji; Kojima, Yoshimi; and Tsuchimoto, Shuhei, 4,883,733, Cl. 430-54.000.

Tsuchimoto, Yuichi: *See—*

Furuya, Tamio; Tazaki, Yuichi; Kinugasa, Toshiyuki; Ishige, Yoshiki; and Tsuchimoto, Yuichi, 4,841,618, Cl. 29-423.000.

Tsuchino, Hisanori; Kano, Akiko; Nakano, Kuniaki; and Shimada, Fumio, to Konica Corporation. Radiation image storage panel having assembled heat generating body. 4,825,085, 4-25-89, Cl. 250-484.100.

Tsuchino, Masatoshi: *See—*

Ueshima, Michio; Takahashi, Yoshiyuki; Tsuchino, Masatoshi; and Saito, Noboru, 4,814,512, Cl. 568-432.000.

Tsuchita, Kenji: *See—*

Ichikawa, Yoshiaki; Senoh, Makoto; Tsuchita, Kenji; Koizumi, Akira; and Iwama, Kunihiko, 4,824,633, Cl. 376-268.000.

Naito, Shinji; Tsuchita, Kenji; Ichikawa, Yoshiaki; Sato, Chikara; and Kajiyama, Shigeru, 4,828,059, Cl. 180-119.000.

Tsuchitani, Kenji: *See—*

Nakamura, Masahiro; Murata, Tomohiro; Komoda, Norihisa; Kera, Kazuo; Tsuchitani, Kenji; and Matsumoto, Kuniaki, 4,802,094, Cl. 364-468.000.

Tsuchitani, Masatoshi; Naito, Sakae; and Nakajima, Ryoichi, to Iizuka, Kozo; and Maruzen Petrochemical Co., Ltd. Process for the preparation of mesophase pitches. 4,820,401, 4-11-89, Cl. 208-40.000.

Tsuchitani, Masatoshi; and Naito, Sakae, to Maruzen Petrochemical Co., Ltd. Method of purifying coal tars for use in the production of carbon products. 4,874,502, 10-17-89, Cl. 208-45.000.

Tsuchitani, Masatoshi: *See—*

Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tsuchitani, Masatoshi; and Nakajima, Ryoichi, 4,818,449, Cl. 264-29.200.

Tsuchitani, Shigeki: *See—*

Oho, Shigeru; Yamada, Kazuji; and Tsuchitani, Shigeki, 4,835,595, Cl. 357-30.00R.

Tsuchiya, Akio: *See—*

Otani, Masami; Nishida, Masami; Himoto, Masahiro; and Tsuchiya, Akio, 4,846,623, Cl. 414-225.000.

Tsuchiya, Atsushi: *See—*

Uchiyama, Yoshichika; and Tsuchiya, Atsushi, 4,875,932, Cl. 73-202.000.

Tsuchiya, Eiichi: *See—*

Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,807,064, Cl. 360-85.000.

Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,837,645, Cl. 360-85.000.

Tsuchiya, Haruhiko; Yamamoto, Hiroshi; Ogawa, Shinji; and Kyoe, Shinji, to Panafacom Limited. Video information transfer processing system. 4,801,930, 1-31-89, Cl. 340-703.000.

Tsuchiya, Haruhiko: *See—*

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,837,564, Cl. 340-750.000.

Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,849,747, Cl. 340-735.000.

Tsuchiya, Hiroaki: *See—*

Itoh, Masahiro; Murasawa, Yoshihiro; Takeda, Atsushi; Tsuchiya, Hiroaki; and Nakahata, Kimio, 4,860,048, Cl. 355-208.000.

Tsuchiya, Hiromu; Nabekawa, Shukichi; and Takada, Masao, to Nippon Chemical Industrial Co., Ltd. Manufacturing method for alkyldihalogenophosphines. 4,857,238, 8-15-89, Cl. 562-820.000.

Tsuchiya, Hiroshi; Karakama, Yoshiakira; Nagaike, Sadanori; Nakajima, Hiroyasu; and Chida, Kousaku, to Computer Basic Technology Research Association. Magnetic head flying slider assembly. 4,796,126, 1-3-89, Cl. 360-103.000.

Tsuchiya, Hiroshi: *See—*

Koike, Kiyoshi; Tsuchiya, Hiroshi; and Hayakawa, Tsuyoshi, 4,862,004, Cl. 250-369.000.

Tsuchiya, Hiroyoshi: *See—*

Nakazato, Katsuo; Tsuchiya, Hiroyoshi; Kurosawa, Toshiharu; Maruyama, Yuji; and Takahashi, Kiyoshi, 4,890,167, Cl. 358-443.000.

Tsuchiya, Ikuo: *See—*

Matsuo, Kenji; and Tsuchiya, Ikuo, 4,859,970, Cl. 331-57.000.

Tsuchiya, Kanji; and Ono, Shizumi, to Seikensha Company Limited. Apparatus for inactivation of enzymes in oil seeds. 4,879,132, 11-7-89, Cl. 426-634.000.

Tsuchiya, Kazuhiro; Nishiyama, Toshikazu; and Tomishima, Hiroshi, to Hitachi Metals, Ltd. Magnetic head having MnO/NiO-based nonmagnetic substrate. 4,805,059, 2-14-89, Cl. 360-125.000.

Tsuchiya, Keiko: *See—*

Nakayama, Masatoshi; Morita, Haruyuki; Kubota, Yuichi; and Tsuchiya, Keiko, 4,816,341, Cl. 428-458.000.

Tsuchiya, Kikuo; Araki, Shingo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, to Dainippon Ink and Chemicals, Inc. Thermosensitive recording sheet. 4,885,270, 12-5-89, Cl. 503-209.000.

Tsuchiya, Kikuo: *See—*

Araki, Shingo; Tsuchiya, Kikuo; Inagaki, Masaji; Kudoh, Yumi; and Kitao, Teijiro, 4,843,058, Cl. 503-209.000.

Tsuchiya, Kiyoshi; Ioka, Hideyuki; and Takahashi, Hideyuki, to Mitsuba Electric Mfg., Co., Ltd. Rectifier in alternating generators for automotive vehicles. 4,841,182, 6-20-89, Cl. 310-68.00D.

Tsuchiya, Kiyoshi: *See—*

Akutsu, Shigeru; and Tsuchiya, Kiyoshi, 4,859,894, Cl. 310-239.000.

Kawazoe, Takashi; Tsuchiya, Kiyoshi; and Ioka, Hideyuki, 4,808,866, Cl. 310-68.00D.

Tsuchiya, Masahiro: *See—*

Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, 4,826,737, Cl. 428-650.000.

Tsuchiya, Masaki, to NEC Corporation. Bus connection structure for interruption control system. 4,853,831, 8-1-89, Cl. 361-39.400.

Tsuchiya, Masanori; and Suzuki, Teruo, to Trade Ocean Line, Ltd.; and Nissin Engineering Co., Ltd. Container for housing metal strip coil. 4,805,794, 2-21-89, Cl. 220-8.000.

Tsuchiya, Minoru, to Taga Manufacturing Co., Ltd. Automatic wire replacing system for use in an automatic wire coiling apparatus. 4,809,917, 3-7-89, Cl. 242-7.060.

Tsuchiya, Nobuo: *See—*

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Tachiuchi, Tsuguji; Konuma, Satoshi; and Tsuchiya, Nobuo, 4,839,739, Cl. 358-282.000.

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Tsuchiya, Osamu: *See—*

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Itoh, Toshikazu; and Tsuchiya, Satoru, 4,810,113, Cl. 400-124.000.

Tsuchiya, Shoichi: *See—*

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Tsuchiya, Tomio, to Fuji-Seiki Machine Works, Ltd. Solder coating apparatus. 4,858,554, 8-22-89, Cl. 118-224.000.

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Tsuchiya, Yasuhiko: *See—*

Terashima, Hideyuki; and Tsuchiya, Yasuhiko, 4,840,082, Cl. 74-523.000.

Tsuchiya, Yasuhiro: *See—*

Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.

Yamazawa, Yasushi; Terada, Masaki; and Tsuchiya, Yasuhiro, 4,798,101, Cl. 74-552.000.

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Tsuchiya, Yayoi: *See—*

Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.

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Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,796,992, Cl. 356-347.000.

Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,841,234, Cl. 324-96.000.

Aoshima, Shinichiro; Tsuchiya, Yutaka; and Nakamura, Takuya, 4,864,220, Cl. 324-96.000.

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Aoshima, Shinichiro; and Tsuchiya, Yutaka, 4,864,577, Cl. 372-18.000.

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Kinoshita, Katsuyuki; Koishi, Musubu; and Tsuchiya, Yutaka, 4,801,796, Cl. 250-213.0VT.
Mizushima, Yoshihiko; Tsuchiya, Yutaka; Koishi, Musubu; and Takeshima, Akira, 4,827,317, Cl. 356-73.100.
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Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.
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Tsuda, Hideo: *See*—
Ozaki, Kiyoshi; Mori, Atsushi; Tsuda, Hideo; Kawamoto, Mineo; Murakami, Kanji; and Wajima, Motoyo, 4,820,549, Cl. 427-98.000.

Tsuda, Hirokazu: *See*—
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Tsuda Industries, Co., Ltd.: *See*—
Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.

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Tsuda, Keishiro: *See*—
Katsura, Tatsuo; Maeda, Hideatsu; Sakai, Tsukasa; and Tsuda, Keishiro, 4,804,834, Cl. 250-211.00R.

Tsuda, Kenzi, to Daicel Chemical Industries, Ltd. Polyacrylate derivative. 4,818,797, 4-4-89, Cl. 525-329.900.

Tsuda, Kiyoshi: *See*—
Noguchi, Masahiko; Tsuda, Kiyoshi; and Sasage, Tsutomu, 4,819,927, Cl. 271-34.000.

Tsuda, Masami: *See*—
Kimura, Kiyoshi; Kise, Masahiro; Morita, Iwao; Tomita, Toshio; and Tsuda, Masami, 4,857,515, Cl. 514-89.000.

Tsuda, Mikio: *See*—
Mori, Yoichi; Abiko, Shigeo; Tsuda, Mikio; and Ichijo, Chikara, 4,853,313, Cl. 430-156.000.

Tsuda, Shigenori; Manabe, Yukio; and Tsuji, Kozo, to Sumitomo Chemical Company, Limited. Oil-in-water pesticidal emulsion. 4,871,766, 10-3-89, Cl. 514-521.000.

Tsuda, Shigenori: *See*—
Kohama, Takuji; Minagawa, Fumiyasu; Shinjo, Goro; Tsuda, Shigenori; and Maeda, Kazuyuki, 4,834,977, Cl. 424-405.000.
Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.

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Matsuyama, Takao; Tarui, Hisaki; Tsuda, Shinya; Nakano, Shoichi; and Kuwano, Yukinori, 4,799,087, Cl. 357-4.000.

Tsuda, Takashi: *See*—
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,803,384, Cl. 307-490.000.
Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, 4,813,048, Cl. 372-38.000.

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Sakao, Shingo; Tone, Eiichi; Fujisawa, Shuji; Tsuda, Takeshi; Ohata, Yousuke; and Hiraoka, Hiroshi, 4,851,873, Cl. 355-245.000.
Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, 4,860,053, Cl. 355-245.000.

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Tsuda, Toru: *See*—
Ushikubo, Hisao; Tsuda, Toru; and Takahashi, Ichiro, 4,824,501, Cl. 156-130.000.

Tsuda, Toshio: *See*—
Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.

Tsuda, Yasuo: *See*—
Masukawa, Toyoaki; Tsuda, Yasuo; Ninomiya, Hidetaka; Nakayama, Noritaka; and Kimura, Toshihiko, 4,818,672, Cl. 430-558.000.

Tsuda, Yoshiaki: *See*—
Nakamura, Shizuo; Inoue, Makoto; Inai, Masatoshi; and Tsuda, Yoshiaki, 4,886,813, Cl. 514-326.000.
Tsuda, Yoshihiko; and Tsuda, Yoshiaki, 4,822,780, Cl. 514-119.000.

Tsuda, Yoshihiko; and Tsuda, Yoshiaki, to Otsuka Pharmaceutical Factory, Inc. Carboxamide compounds. 4,822,780, 4-18-89, Cl. 514-119.000.

Tsuda, Yoshiki: *See*—
Fukunaga, Yukio; Tsuda, Yoshiki; Fukushima, Naoto; Akatsu, Yohsuke; Hano, Sunao; and Sato, Masaharu, 4,848,790, Cl. 280-707.000.

Tsuda, Yukifumi; Kotera, Hiroaki; and Fumoto, Teruo, to Matsushita Electric Industrial Co., Ltd. Color correction processor with memory addressed by color component signals having unevenly-distributed data bits. 4,814,867, 3-21-89, Cl. 358-80.000.

Tsuda, Yusuke; Kurata, Takashi; Suzuki, Yoshinobu; and Yamamoto, Yuji, to Japan Synthetic Rubber Co., Ltd. Thermoplastic resin composition. 4,877,835, 10-31-89, Cl. 525-67.000.

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Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.

Tsudakoma Corp.: *See*—
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Takehana, Tatsuo; and Matsuda, Fumio, 4,856,691, Cl. 226-91.000.
Tamura, Zenji; Sakurada, Kenji; and Nakada, Akihiko, 4,884,597, Cl. 139-102.000.

Tsudakoma Kogyo Kabushiki Kaisha: *See*—
Sainen, Tsutomu; and Wakamatsu, Kensuke, 4,843,290, Cl. 318-603.000.
Shin, Tokujiro; Ida, Yoshio; and Maenaka, Koyu, 4,832,086, Cl. 139-435.000.
Suwa, Mitsuru, 4,858,656, Cl. 139-116.000.
Suwa, Mituru, 4,838,319, Cl. 139-116.00R.
Tamura, Zenji; and Sugita, Katsuhiko, 4,836,252, Cl. 139-353.000.

Tsuei, Julia J. Method for treating genital and oral herpes. 4,795,636, 1-3-89, Cl. 424-195.100.

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Sasaki, Mitsuo, 4,800,694, Cl. 52-175.000.

Tsugawa, Iwao: *See*—
Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwao; and Koshino, Nagaaki, 4,889,746, Cl. 427-162.000.

Tsugawa, Takayuki, to Odawara Engineering Company Limited. Coil winding machine for armatures. 4,826,092, 5-2-89, Cl. 242-7.05B.

Tsuge, Akihiko: *See*—
Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.
Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko; and Ohnuma, Yoshiyuki, 4,853,299, Cl. 428-698.000.

Tsuge, Kazunori; Kuwamura, Shinji; and Tawada, Yoshihisa, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Semiconductor device and its manufacturing method. 4,862,227, 8-29-89, Cl. 357-2.000.

Tsuge, Kazunori: *See*—
Fushiya, Fusao; Inoue, Nobuhiro; and Tsuge, Kazunori, 4,805,504, Cl. 83-397.000.
Hamakawa, Yoshihiro; Tawada, Yoshihisa; Tsuge, Kazunori; and Izumina, Masanobu, 4,875,943, Cl. 136-244.000.
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Tsuge, Shoichi, to Minolta Camera Kabushiki Kaisha. Method for producing an original for use in an overhead projector. 4,871,640, 10-3-89, Cl. 430-126.000.

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Tsugei, Shinji: *See*—
Washizuka, Isamu; Tsugei, Shinji; and Inoue, Tomohiro, 4,858,125, Cl. 364-413.010.

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Sakamoto, Hideo; and Tsugita, Hiroshi, 4,875,002, Cl. 324-73.00R.

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Ohta, Noboru; Takahashi, Koji; Suzuki, Tsuneo; and Tsugita, Makoto, 4,796,086, Cl. 358-80.000.

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Tsui, James B. Y.: *See*—
Shaw, Rudy L.; Tsui, James B. Y.; and Hedge, James N., Jr., 4,860,318, Cl. 375-82.000.

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Imamura, Takaharu; Tsuji, Hiroshi; Aruga, Chikao; and Kawatsura, Tohru, 4,828,598, Cl. 65-104.000.
Yamazoe, Seigo; and Tsuji, Hiroshi, 4,843,247, Cl. 250-573.000.

Tsuji, Ichiroh: *See*—
Taniguchi, Isao; Yasukouchi, Kazuo; Tsuji, Ichiroh; and Fujiyasu, Takeshi, 4,839,017, Cl. 204-403.000.

Tsuji, Katsuya; Yamada, Takeshi; and Uchihara, Hiroshi, to Horiba, Ltd. Method of measuring oxygen in silicon. 4,800,747, 1-31-89, Cl. 73-19.000.

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Katsura, Joji; Yamaguchi, Seiji; Tsuji, Kazuhiko; and Ichinohe, Eisuke, 4,820,974, Cl. 324-73.00R.

Tsuji, Kazuhiro: *See*—
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Tsuji, Kazutaka: *See*—
Ishioka, Sachio; Tsuji, Kazutaka; Takasaki, Yukio; Shimomoto, Yasuharu; Matsubara, Hirokazu; and Hirai, Tadaaki, 4,829,345, Cl. 357-19.000.
Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.
Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

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Tsuji, Kazuwo: *See*—
Satoh, Shuichi; and Tsuji, Kazuwo, 4,836,881, Cl. 156-621.000.
Satoh, Shyuichi; and Tsuji, Kazuwo, 4,880,613, Cl. 423-446.000.

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Tsuji, Kenji: *See*—
Ishimura, Toshihiko; Tsuji, Kenji; Taniguchi, Nobuyuki; and Ootsuka, Hiroshi, 4,887,119, Cl. 354-413.000.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,797,702, Cl. 354-413.000.
Taniguchi, Nobuyuki; Yamazaki, Keiji; Hosomizu, Hiroshi; Kamiya, Makoto; and Tsuji, Kenji, 4,851,868, Cl. 354-127.100.
Taniguchi, Nobuyuki; Hosomizu, Hiroshi; Tsuji, Kenji; Omaki, Takanobu; and Nakai, Masaaki, 4,870,438, Cl. 354-132.000.

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Matsushita, Tetsuya; Tsuji, Kikunosuke; Nakakuma, Akira; Morimoto, Kiyoshi; Tsudaka, Hideaki; Kobayashi, Hiroshi; and Kawamoto, Masuo, 4,814,833, Cl. 355-75.000.
Shibata, Kiyoshi; and Tsuji, Kikunosuke, 4,814,815, Cl. 355-3.00R.
Tsunoda, Arihiro; Tsuji, Kikunosuke; Nakakuma, Akira; and Matsushita, Tetsuya, 4,862,218, Cl. 355-235.000.

Tsuji, Kiyosha: *See*—
Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyosha; and Chiba, Toshiyuki, 4,822,888, Cl. 548-195.000.

Tsuji, Kiyoshi, to Olympus Optical Co., Ltd. Image pickup apparatus for an electronic endoscope. 4,868,646, 9-19-89, Cl. 358-98.000.

Tsuji, Kiyoshi; Kimura, Kenji; and Okada, Yoshihiro, to Olympus Optical Co., Ltd. Video endoscope apparatus employing device shutter. 4,884,134, 11-28-89, Cl. 358-98.000.

Tsuji, Kiyoshi: *See*—
Hasegawa, Akira; Takahashi, Susumu; Tsuji, Kiyoshi; Nishioka, Kimihiko; and Matsui, Hiroshi, 4,882,619, Cl. 358-55.000.
Kimura, Kenji; and Tsuji, Kiyoshi, 4,814,859, Cl. 358-22.000.
Kimura, Kenji; and Tsuji, Kiyoshi, 4,860,091, Cl. 358-22.000.
Kimura, Kenji; and Tsuji, Kiyoshi, 4,860,095, Cl. 358-98.000.
Matsuo, Masaaki; Tsuji, Kiyoshi; and Konishi, Nobukiyo, 4,866,091, Cl. 514-471.000.
Matsuo, Masaaki; Morino, Daizo; Tsuji, Kiyoshi; and Okumura, Hiroyuki, 4,885,297, Cl. 514-253.000.
Takaya, Takao; Takasugi, Hisashi; Tsuji, Kiyoshi; and Chiba, Toshiyuki, 4,841,062, Cl. 548-194.000.
Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, 4,797,399, Cl. 514-253.000.
Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Tsuji, Kiyotaka: *See*—
Haga, Masaki; Tsuji, Kiyotaka; Nawafune, Hidemi; Mizumoto, Shozo; and Uchida, Ei, 4,804,410, Cl. 106-1.150.

Tsuji, Kouichi: *See*—
Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.

Tsuji, Kouji: *See*—
Kanazawa, Hirotaka; Marumoto, Akira; and Tsuji, Kouji, 4,817,986, Cl. 280-781.000.

Tsuji, Kozo: *See*—
Ohtsubo, Toshiro; Tsuda, Shigenori; Manabe, Yukio; Kasamatsu, Kiyoshi; Takeda, Hisami; and Tsuji, Kozo, 4,889,719, Cl. 424-408.000.
Tsuda, Shigenori; Manabe, Yukio; and Tsuji, Kozo, 4,871,766, Cl. 514-521.000.

Tsuji, Kunio: *See*—
Nakamura, Shozo; Mathusima, Tokunori; and Tsuji, Kunio, 4,840,766, Cl. 376-378.000.

Tsuji, Masahiro: *See*—
Mori, Kenji; and Tsuji, Masahiro, 4,814,468, Cl. 549-336.000.
Mori, Kenji; and Tsuji, Masahiro, 4,871,869, Cl. 556-436.000.
Mori, Kenji; and Tsuji, Masahiro, 4,885,246, Cl. 435-123.000.

Tsuji, Masaki, to Kabushiki Kaisha Toshiba. FM signal demodulator for video signal reproducing apparatus. 4,882,618, 11-21-89, Cl. 358-167.000.

Tsuji, Masami: *See*—
Ozaki, Yoichi; Yukawa, Shinjiro; Ide, Takanobu; and Tsuji, Masami, 4,809,799, Cl. 180-292.000.

Tsuji, Masanari; Tani, Yuji; Zaitsu, Akira; Shimamoto, Kojiro; Hashii, Masaaki; Donoue, Ikuo; Suzuki, Hiromi; and Sakakibara, Yoshihito, to Mitsubishi Jukogyo Kabushiki Kaisha. Power generation cassette type power plant for marine electric propulsion and a controller thereof. 4,808,835, 2-28-89, Cl. 290-4.00A.

Tsuji, Masanori: *See*—
Kato, Tetsuo; Sueyoshi, Tadahiro; Tsuji, Masanori; and Ohta, Yukio, 4,867,712, Cl. 439-752.000.

Tsuji, Masao: *See*—
Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; Sugiura, Tsutomu; and Ichihara, Yoshihiro, 4,867,913, Cl. 260-397.450.
Bunno, Masayasu; Harada, Hidemi; Tsuji, Masao; and Ichihara, Yoshihiro, 4,867,914, Cl. 260-397.470.
Nishida, Yoshie; Hata, Seiji; and Tsuji, Masao, 4,803,735, Cl. 382-8.000.

Tsuji, Masaru, to Sharp Kabushiki Kaisha. Paper conveying roller for image forming apparatus. 4,840,300, 6-20-89, Cl. 226-187.000.

Tsuji, Masaru: *See*—
Sugimoto, Yuji; Tsuji, Masaru; and Yoshiura, Shoichiro, 4,802,439, Cl. 118-116.000.

Tsuji, Masayoshi; Nakagawa, Akira; Inoue, Hisataka; Hachiya, Terumi; Tanoue, Yoshihiro; Ikesue, Kouichi; Saita, Masaru; Mizoguchi, Takenobu; Aoki, Testsuo; Sato, Hironobu; and Nodo, Kanji, to Hisamitsu Pharmaceutical Co., Inc. Novel indenothiazole derivative and process for preparing the same. 4,877,876, 10-31-89, Cl. 544-133.000.

Tsuji, Michiru; Konno, Chisato; and Saji, Miyuki, to Hitachi, Ltd. Method for preparing a simulation program. 4,841,479, 6-20-89, Cl. 364-900.000.

Tsuji, Mitsuji: *See*—
Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, 4,812,527, Cl. 525-250.000.

Tsuji, Mutsuo, to NEC Corporation. Chip carrier. 4,855,869, 8-8-89, Cl. 361-386.000.

Tsuji, Nobuaki: *See*—
Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,847,189, Cl. 430-567.000.
Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,861,702, Cl. 430-564.000.

Tsuji, Nobuo: *See*—
Nishikawa, Yasuo; Miyazuka, Hajime; and Tsuji, Nobuo, 4,857,402, Cl. 428-336.000.
Yamada, Yasuyuki; Miyatsuka, Hajime; Okita, Tsutomu; and Tsuji, Nobuo, 4,837,081, Cl. 428-329.000.

Tsuji, Ryohei; and Takahashi, Mitsuo, to Kikkoman Corporation. Process for treating meat with raw soy sauce. 4,851,241, 7-25-89, Cl. 426-56.000.

Tsuji, Sadafusa: *See*—
Omaki, Takanobu; Tanii, Junichi; Tsuji, Sadafusa; and Yamashita, Maki, 4,870,437, Cl. 354-64.000.
Shibata, Yoshitaka; Tsuji, Sadafusa; and Takada, Kenji, 4,827,118, Cl. 250-211.00J.

  - Tanaka, Yoshihiro; Tsuji, Sadafusa; and Ootsuka, Hiroshi, 4,811,044, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,595, Cl. 354-418.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,868,597, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,873,544, Cl. 354-457.000.
  - Tanaka, Yoshihiro; Tsuji, Sadafusa; Hata, Yoshiaki; Inoue, Manabu; Ootsuka, Hiroshi; Iwata, Michihiro; Ishito, Fumiaki; and Hayama, Koh, 4,882,602, Cl. 354-457.000.
- Tsuji, Sadahiko; and Inaba, Hiroyoshi, to Canon Kabushiki Kaisha. Diaphragm device. 4,797,700, 1-10-89, Cl. 354-271.100.
- Tsuji, Sadahiko, to Canon Kabushiki Kaisha. Lens system of variable magnification range and having a supplementary lens unit. 4,807,982, 2-28-89, Cl. 350-422.000.
- Tsuji, Sadahiko, to Canon Kabushiki Kaisha. Photographic system having front conversion lens. 4,854,679, 8-8-89, Cl. 350-422.000.
- Tsuji, Sadahiko: *See—*
  - Kato, Masatake; Tsuji, Sadahiko; Sugiura, Muneharu; and Tanaka, Kazuo, 4,854,681, Cl. 350-427.000.
- Tsuji, Shinji: *See—*
  - Kuroda, Takao; Watanabe, Akiyoshi; Tsuji, Shinji; Ohishi, Akio; and Matsumura, Hiroyoshi, 4,819,036, Cl. 357-4.000.
  - Ohishi, Aiko; Hirao, Motohisa; Chinone, Naoki; Tsuji, Shinji; Nakamura, Hitoshi; and Matsumura, Hiroyoshi, 4,841,536, Cl. 372-46.000.
  - Okai, Makoto; Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; and Chinone, Naoki, 4,885,753, Cl. 372-45.000.
  - Uomi, Kazuhisa; Tsuji, Shinji; Sakano, Shinji; Okai, Makoto; and Chinone, Naoki, 4,873,691, Cl. 372-20.000.
- Tsuji, Shintaro, to Mitsubishi Denki Kabushiki Kaisha. Monitor control apparatus. 4,839,631, 6-13-89. Cl. 340-541.000.
- Tsuji, Shintaro: *See—*
  - Umeda, Yasukazu; and Tsuji, Shintaro, 4,802,557, Cl. 187-127.000.
- Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, to Mitsubishi Denki Kabushiki Kaisha. Thermal head. 4,827,289, 5-2-89, Cl. 346-76.0PH.
- Tsuji, Syoichi: *See—*
  - Aoyama, Mari; Ito, Michiyasu; Tsuji, Syoichi; Ishii, Toshiyuki; and Tanaka, Tomohide, 4,814,124, Cl. 264-41.000.
- Tsuji, Tatsunori: *See—*
  - Shinozaki, Fumihiko; Tsuji, Tatsunori; and Yokoyama, Yutaka, 4,830,785, Cl. 252-62.200.
- Tsuji, Toshiaki; and Kishimoto, Shinichi, to Ajinomoto Co., Inc. Process for the production of n-formyl-aspartyl-phenylalanine or its methyl ester. 4,810,816, 3-7-89, Cl. 560-41.000.
- Tsuji, Toshiaki: *See—*
  - Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, 4,820,861, Cl. 560-41.000.
- Tsuji, Toshihide: *See—*
  - Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, 4,801,090, Cl. 239-290.000.
- Tsuji, Yasunori: *See—*
  - Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, 4,882,630, Cl. 358-451.000.
- Tsuji, Yasuo: *See—*
  - Tanaka, Yasutaka; Kojima, Hidetaka, and Tsuji, Yasuo, 4,843,172, Cl. 562-406.000.
- Tsuji, Yoshiaki: *See—*
  - Furuuchi, Toshiharu; Nagano, Makoto; and Tsuji, Yoshiaki, 4,833,015, Cl. 428-309.900.
- Tsuji, Yoshihisa: *See—*
  - Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.
- Tsuji, Yoshihito; *See—*
  - Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, 4,829,948, Cl. 123-90.160.
- Tsuji, Yoshikazu: *See—*
  - Yoshimatsu, Toshikane; Hagiwara, Yoshiki; Tsuji, Yoshikazu; and Momata, Kazuhiro, 4,843,486, Cl. 360-121.000.
- Tsuji, Yoshiomi; Maruyama, Ichiro; Mori, Kenji; and Nishikawa, Souji, to Sumitomo Electric Industries, Ltd. Set-up/down plural-span weir assembly made of flexible sheets. 4,846,603, 7-11-89, Cl. 405-115.000.
- Tsuji, Yoshitaka, to IDEC IZUMI Corporation. Terminal connector of small electric devices. 4,881,903, 11-21-89, Cl. 439-76.000.
- Tsujide, Kiyokazu: *See—*
  - Itoh, Masaharu; and Tsujide, Kiyokazu, 4,814,353, Cl. 514-675.000.
- Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, to Tanabe Seiyaku Co., Ltd. Organic platinum complex and process for the preparation thereof. 4,882,447, 11-21-89, Cl. 556-40.000.
- Tsujihara, Kenji; Arai, Yoshihisa; Ohtsuki, Osamu; and Nakatani, Tadashi, to Tanabe Seiyaku Co., Ltd. Organic platinum complex and process for the preparation thereof. 4,886,894, 12-12-89, Cl. 556-40.000.
- Tsujihara, Susumu; and Kataoka, Teruo, to Matsushita Electric Industrial Co., Ltd. Automatic primary color convergence alignment system for projection television. 4,857,998, 8-15-89, Cl. 358-60.000.
- Tsujii, Gen: *See—*
  - Hamada, Akio; Tsujii, Gen; Fuse, Genzo; and Kondo, Masahide, 4,841,113, Cl. 219-110.000.
- Tsujii, Hiraaki: *See—*
  - Ban, Yuzaburo; Tsujii, Hiraaki; Sasai, Youichi; Ogura, Mototsugu; and Serizawa, Hiroyuki, 4,843,031, Cl. 437-129.000.
- Tsujii, Kanji: *See—*
  - Yajima, Yusuke; and Tsujii, Kanji, 4,887,037, Cl. 324-316.000.
- Tsujii, Kaoru: *See—*
  - Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, 4,859,696, Cl. 514-420.000.
  - Yahagi, Kazuyuki; Tsujii, Kaoru; Hirota, Hajime; and Matsumura, Yoshihisa, 4,824,604, Cl. 252-546.000.
- Tsujii, Masao: *See—*
  - Takeuchi, Hitoshi; Tsujii, Masao; and Ohba, Masahiro, 4,819,172, Cl. 364-431.070.
- Tsujii, Osamu; and Fujii, Masashi, to Kabushiki Kaisha Toshiba. X-ray inspection apparatus. 4,803,711, 2-7-89, Cl. 378-4.000.
- Tsujii, Shigeo: *See—*
  - Tokuume, Yoshihiro; Tsujii, Shigeo; and Kurosawa, Kaoru, 4,833,471, Cl. 341-67.000.
- Tsujii, Shinji: *See—*
  - Gunasekera, Sarath P.; Cross, Sue S.; Kashman, Yoel; Lui, May S.; Rinehart, Kenneth L.; and Tsujii, Shinji, 4,866,084, Cl 514-397.000.
- Tsujii, Tatsuya: *See—*
  - Kasai, Toshihiro; and Tsujii, Tatsuya, 4,816,869, Cl. 355-4.000.
- Tsujikawa, Nobuto: *See—*
  - Ichiga, Hiroyasu; Tsutsumi, Kiyoshi; and Tsujikawa, Nobuto, 4,866,341, Cl. 313-623.000.
- Tsujimoto, Akira, to NEC Corporation. Semiconductor memory device having serial addressing scheme. 4,802,134, 1-31-89, Cl. 365-230.000.
- Tsujimoto, Akito: *See—*
  - Kohigashi, Minoru; Shiraki, Toshihiko; and Tsujimoto, Akito, 4,854,749, Cl. 384-482.000.
- Tsujimoto, Jun-ichi, to Kabushiki Kaisha Toshiba. Power voltage regulator circuit. 4,868,483, 9-19-89, Cl. 323-313.000.
- Tsujimoto, Jun-ichi; Matsui, Masataka; Iwai, Hiroshi; and Ohtani, Takayuki, to Kabushiki Kaisha Toshiba. Semiconductor memory device using partial decoders for redundancy. 4,881,202, 11-14-89, Cl. 365-200.000.
- Tsujimoto, Jun-ichi: *See—*
  - Matsui, Masataka; Iizuka, Tetsuya; Tsujimoto, Jun-ichi; Ohtani, Takayuki; and Isobe, Mitsuo, 4,813,022, Cl. 365-203.000.
- Tsujimoto, Kazumi: *See—*
  - Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.
- Tsujimoto, Kazunori: *See—*
  - Tachi, Shinichi; Okudaira, Sadayuki; Tsujimoto, Kazunori; and Mukai, Kiichiro, 4,857,137, Cl. 156-640.000.
- Tsujimoto, Kazuyuki: *See—*
  - Ohyama, Hiroshi; Hobara, Satoshi; Tsujimoto, Kazuyuki; and Tanaka, Shouji, 4,822,814, Cl. 514-440.000.
- Tsujimoto, Masafumi: *See—*
  - Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P., 4,828,990, Cl. 435-68.000.
- Tsujimoto, Masaharu: *See—*
  - Asahina, Takashi; Akiyoshi, Mitsuo; Mitsumoto, Yoshio; Kodama, Satoru; and Tsujimoto, Masaharu, 4,870,896, Cl. 99-348.000.
- Tsujimoto, Nobuhiro; Suzuki, Michinori; and Hiromoto, Jiro, to Ube Industries, Ltd. N-chydroxyphenyl)maleimide-isobutylene copolymer. 4,816,523, 3-28-89, Cl. 525-380.000.
- Tsujimoto, Shinichi; and Kazumi, Jiro, to Canon Kabushiki Kaisha. Liquid crystal driving system. 4,834,503, 5-30-89, Cl. 350-332.000.
- Tsujimoto, Shinichi; Amano, Kenichiro; and Itch, Kenji, to Canon Kabushiki Kaisha. Display apparatus. 4,883,610, 12-19-89, Cl. 354-475.000.
- Tsujimoto, Shuichi; and Asada, Haruo, to Kabushiki Kaisha Toshiba. Image inclination detecting method and apparatus. 4,878,124, 10-31-89, Cl. 358-443.000.
- Tsujimoto, Soichiro, to Toyo Boseki Kabushiki Kaisha. Method for adsorption treatment of gas. 4,846,855, 7-11-89, Cl. 55-60.000.
- Tsujimoto, Susumu: *See—*
  - Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,574, Cl. 160-168.100.
  - Saeki, Toshinori; Mizutani, Tadashi; and Tsujimoto, Susumu, 4,806,376, Cl. 426-537.000.
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,813,324, Cl. 83-848.000.
  - Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, 4,827,822, Cl. 83-835.000.
- Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, to Sharp Kabushiki Kaisha. Discharging apparatus and method for use in a copying machine. 4,827,306, 5-2-89, Cl. 355-3.0CH.
- Tsujimoto, Yoshiharu: *See—*
  - Masuda, Zitsuo, Kinashi, Hiroshi; Tsujimoto, Yoshiharu; and Hirai, Masashi, 4,847,652, Cl. 355-274.000.

- Tsujimoto, Yukio: *See—*
  - Shindo, Yasuhiro; Tsujimoto, Yukio; and Saito, Isami, 4,829,553, Cl. 338-309.000.
  - Shindo, Yasuhiro; Tsujimoto, Yukio; Saito, Isami; Hiraoka, Isamu; and Hirayama, Hiroshi, 4,842,654, Cl. 148-20.600.
- Tsujimura, Kazuya: *See—*
  - Kasai, Naoya; Shima, Hisaharu; and Tsujimura, Kazuya, 4,840,907, Cl. 435-253.300.
- Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, to Kyocera Corporation. Autofocus camera having automatic focus adjustment apparatus. 4,853,731, 8-1-89, Cl. 354-400.000.
- Tsujimura, Masao: *See—*
  - Kubodera, Takayuki; Nakamura, Shizuo; Onizawa, Masanori; Shiroshita, Hirotaka; Mochizuki, Eiichi; Tsujimura, Masao; Atsuta, Toshikatsu; and Morooka, Takayoshi, 4,875,065, Cl. 354-82.000.
- Tsujimura, Osamu; and Arai, Tatsuo, to Mitsubishi Kinzoku Kabushiki Kaisha. Insert cutter. 4,808,044, 2-28-89, Cl. 407-42.000.
- Tsujimura, Osamu; Saito, Takayoshi; Arai, Tatsuo; and Funaki, Yasuzo, to Mitsubishi Kinzoku Kabushiki Kaisha. End mill with throw-away tip. 4,808,045, 2-28-89, Cl. 408-204.000.
- Tsujimura, Osamu, Nakayama, Masaaki; and Okawa, Masayuki, to Mitsubishi Kinzoku Kabushiki Kaisha. Indexable cutter insert. 4,834,591, 5-30-89, Cl. 407-113.000.
- Tsujimura, Osamu; Arai, Tatsuo; and H yama, Nobuo, to Izumo Industrial Co., Ltd.; and Mitsubishi Kinzoku Kabushiki Kaisha. Insert rotary cutting tool. 4,844,666, 7-4-89, Cl. 407-34.000.
- Tsujimura, Osamu; Arai, Tatsuo; and Saito, Takayoshi, to Mitsubishi Kinzoku Kabushiki Kaisha. Insert boring tool and cutting insert therefor. 4,844,669, 7-4-89, Cl. 408-188.000.
- Tsujimura, Osamu; Arai, Tatsuo; and Okawa, Masayuki, to Mitsubishi Kinzoku Kabushiki Kaisha. Ball end mill. 4,883,391, 11-28-89, Cl. 407-40.000.
- Tsujimura, Shinichirou: *See—*
  - Araki, Masakatsu; Haraguchi, Hideaki; Tsujimura, Shinichirou; and Iwanaga, Kouichi, 4,825,546, Cl. 30-201.000.
  - Fujikawa, Shouji; Araki, Masakatsu; Kumano, Fumihiro; and Tsujimura, Shinichirou, 4,888,870, Cl. 30-233.500.
- Tsujinaka, Hisayuki: *See—*
  - Onishi, Hiroyuki; Sano, Tetsuo Hoki, Tetsuo; Kodama, Eiji; Tsujinaka, Hisayuki; and Kitakado, Ryuji, 4,803,734, Cl. 382-8.000.
  - Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, Cl. 364-552.000.
- Tsujino, Masatoshi: *See—*
  - Fukukawa, Kiyofumi; Hirano, Takao; Tsujino, Masatoshi; and Ueda, Tooru, 4,816,575, Cl. 544-277.000.
  - Shuto, Satoshi; Ito, Hiromichi; Fukukawa, Kiyofumi; Sakakibara, Hideo; and Tsujino, Masatoshi, 4,797,479, Cl. 536-27.000.
- Tsujino, Yoshikazu; Hamada, Yuji; Sakata, Masakazu; Fujii, Takanori; and Kuwano, Yukinori, to Sanyo Electric Co., Ltd. Ultrafine tube and method for its production. 4,874,646, 10-17-89, Cl. 428-34.100.
- Tsujino, Yoshikazu: *See—*
  - Kuwano, Yukinori; Tsujino, Yoshikazu; and Hamada, Yuji, 4,855,214, Cl. 430-281.000.
- Tsujioka, Hiroshi; Yoneda, Shigeo; and Yatsuzuka, Yasuhumi, to Sharp Kabushiki Kaisha. Image input processor. 4,887,227, 12-12-89, Cl. 364-519.000.
- Tsujioka, Hiroshi: *See—*
  - Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, 4,835,609, Cl. 358-142.000.
- Tsujisawa, Takahiko, to NEC Corporation. System for positioning a magnetic head at a center line of a floppy disk track. 4,831,471, 5-16-89, Cl. 360-78.040.
- Tsujita, Mitsuji: *See—*
  - Kato, Yoshiaki; Tanaka, Masashi; Tsujita, Mitsuji; Kimoto, Keizo; Nishikawa, Hirotsugu; and Kawaguchi, Mika, 4,882,253, Cl. 430-59.000.
- Tsujita, Satoshi; Maeda, Koji; and Eguchi, Yasuteru, to Kao Corporation. Granular composition and dentifrice containing the same. 4,871,396, 10-3-89, Cl. 106-286.800.
- Tsujita, Yoshio: *See—*
  - Nakagawa, Fumio; Tsujita, Yoshio; and Yamazaki, Mitsuo, 4,822,879, Cl. 544-277.000.
- Tsujiuchi, Toshio: *See—*
  - Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, Cl. 51-165.710.
- Tsukada, Akira: *See—*
  - Higuchi, Tetuya; Tsukada, Akira; and Takegawa, Yukio, 4,820.617, Cl. 430-570.000.
- Tsukada, Eiichi: *See—*
  - Ogawa, Shigeki; and Tsukada, Eiichi, 4,803,389, Cl. 310-49.00R.
- Tsukada, Hiroaki: *See—*
  - Yamamoto, Yasuaki; Tsukada, Hiroaki; Sorimachi, Masami; and Hori, Akihiro, 4,871,787, Cl. 523-122.000.
- Tsukada, Kazuo: *See—*
  - Nakazawa, Masahiko; Tsukada, Kazuo; and Suzuki, Kazunori, 4,804,164, Cl. 251-335.300.
- Tsukada, Keiichi; Demura, Hirotaka; and Yamada, Tokushi, to Hokkai Giken Kogyo Ltd. Apparatus for hydroponics. 4,794,728, 1-3-89, Cl. 47-64.000.
- Tsukada, Kenichi: *See—*
  - Konishi, Junkichi; Tsukada, Kenichi; Sekiguchi, Tomoyoshi; Kouda, Masanori; and Suzuki, Minoru, 4,838,563, Cl. 280-840.000.
- Tsukada, Kiyoshi: *See—*
  - Suzue, Shigetoshi; Kimura, Akio; Tsukada, Kiyoshi; Noda, Kozo; Ogino, Hidekazu; and Kamegai, Jun, 4,846,991, Cl. 252-89.100.
- Tsukada, Kiyotaka, to Ibiden Co., Ltd. Process for preparing heat-resistant composite body. 4,846,673, 7-11-89, Cl. 432-5.000.
- Tsukada, Kouji: *See—*
  - Nonomura, Yutaka; Tsukada, Kouji; Nishibe, Yuji; and Takeuchi, Masaharu, 4,803,885, Cl. 73-862.360.
  - Omura, Yoshiteru; Kawaguchi, Kazuyoshi; Tsukada, Kouji; Sugiyama, Susumu; Hayashi, Sadayuki; and Matsui, Masayuki, 4,833,929, Cl. 73-862.680.
- Tsukada, Masaaki: *See—*
  - Sano, Yoshiki; and Tsukada, Masaaki, 4,811,386, Cl. 379-132.000.
- Tsukada, Masaharu: *See—*
  - Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.
- Tsukada, Masakazu: *See—*
  - Iwasaki, Toshio; Katoh, Akihiko; Murao, Atsuhiko; Tsukada, Masakazu; Nakano, Takashi; and Nasu, Masaru, 4,822,201, Cl. 403-268.000.
- Tsukada, Masamichi: *See—*
  - Oishi, Konosuke; Okumoto, Toyoharu; Tobe, Hayato; and Tsukada, Masamichi, 4,840,484, Cl. 356-312.000.
  - Oishi, Konosuke; Tsukada, Masamichi; Kitagawa, Masatoshi; Okumoto, Toyoharu; and Tobe, Hayato, 4,867,562, Cl. 356-312.000.
- Tsukada, Naoshi: *See—*
  - Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Naoshi; and Sekine, Kiyoshi, 4,848,678, Cl. 241-65.000.
- Tsukada, Noriaki: *See—*
  - Tokuda, Yasunori; Fujiwara, Kenzo; Tsukada, Noriaki; Kojima, Keisuke; Nomura, Yoshinori; and Matsui, Teruhito, 4,817,110, Cl. 372-45.000.
- Tsukada, Norishige: *See—*
  - Fukumoto, Masatoshi; Kubo, Soichi; Miyake, Yoichi; Tsukada, Norishige; Kasutani, Kiyoshi; and Okamori, Kenji, 4,853,794, Cl. 358-447.000.
- Tsukada, Shuichi: *See—*
  - Morikawa, Tuneo; Kabe, Kazuyuki; and Tsukada, Shuichi, 4,856,573, Cl. 152-556.000.
- Tsukada, Tetsuro: *See—*
  - Suzuki, Koji; Tsukada, Tetsuro; Saito, Yoshihiko; Arai, Kiyotaka; and Mori, Hiroshi, 4,872,958, Cl. 204-98.000.
- Tsukada, Tokio: *See—*
  - Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,803,492, Cl. 343-713.000.
  - Inaba, Hiroshi; Shinnai, Masao; Nishikawa, Kazuya; Saitoh, Tamotsu; and Tsukada, Tokio, 4,849,766, Cl. 343-713.000.
- Tsukada, Toru, to Nippon Seiko Kabushiki Kaisha. Dust-proof cover for linear guide. 4,886,375, 12-12-89, Cl. 384-15.000.
- Tsukada, Toshihisa: *See—*
  - Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, 4,855,795, Cl. 357-2.000.
- Tsukada, Toshinori: *See—*
  - Nakano, Tsunetomo; Hayashi, Toshikazu and Tsukada, Toshinori, 4,855,215, Cl. 430-283.000.
- Tsukada, Toshiro: *See—*
  - Baji, Toru; Matsuura, Tatsuji; Tsukada, Toshiro; and Ohba, Shinya, 4,825,287, Cl. 358-160.000.
- Tsukada, Tsutomu: *See—*
  - Ukai, Katsumi; Tsukada, Tsutomu; Ikeda, Kouji; and Adachi, Toshio, 4,816,638, Cl. 219-121.430.
- Tsukada, Yukihisa: *See—*
  - Momata, Kazuhiro; Chida, Kousaku; Takeura, Tooru; and Tsukada, Yukihisa, 4,860,140, Cl. 360-127.000.
- Tsukagoshi, Tetsuhito, to Bridgestone Corporation. Bead reinforcement for pneumatic radial tire for heavy-duty road vehicle. 4,852,626, 8-1-89, Cl. 152-541.000.
- Tsukahara, Akihiko: *See—*
  - Itoh, Takeshi; and Tsukahara, Akihiko, 4,870,333, Cl. 318-286.000.
- Tsukahara, Daiki: *See—*
  - Wakabayashi, Hiroshi; Tsukahara, Daiki; Machida, Kiyosada; Katano, Yuji; and Miyamoto, Hidenori, 4,843,411, Cl. 354-187.000.
  - Wakabayashi, Hiroshi; Kazami, Kazuyuki; Nakamura, Toshiyuki; Miyamoto, Hidenori; Tsukahara, Daiki; Machida, Kiyosada; and Katano, Yuji, 4,857,947, Cl. 354-195.100.
- Tsukahara, Hirokazu; Kagota, Nobuhiro; and Yoda, Masashi, to Mitsubishi Paper Mills, Ltd. Thermal delayed tack sheets. 4,833,023, 5-23-89, Cl. 428-349.000.
- Tsukahara, Hiroyuki: *See—*
  - Koezuka, Tetsuo; Tsukahara, Hiroyuki; and Nakashima, Masato, 4,805,224, Cl. 382-8.000.
- Tsukahara, Hitoshi; Kurokawa, Keiko; Tsukui, Toshimitsu; and Nagai, Toshitake, to Sanyo Electric Co., Ltd. Air blower apparatus. 4,876,070, 10-24-89, Cl. 422-122.000.
- Tsukahara, Takashi, to Fuji Electric Co., Ltd. Power converter for driving an AC motor at a variable speed. 4,879,639, 11-7-89, Cl. 363-37.000.

Tsukahara, Takayuki: *See—*

Ishikawa, Katsuhisa; Yamamoto, Ryoji; and Tsukahara, Takayuki, 4,832,908, Cl. 420-95.000.

Tsukahara, Yusuke; Masuda, Hitoshi; Yamaguchi, Mikio; and Tanabe, Masao, to Toppan Printing Co., Ltd. Method of analyzing input speech and speech analysis apparatus therefor. 4,827,516, 5-2-89, Cl. 381-36.000.

Tsukakoshi, Kunihiko: *See—*

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,801,892, Cl. 330-288.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,804,927, Cl. 330-288.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Mito, Kazuhisa, 4,825,104, Cl. 307-355.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, 4,859,966, Cl. 330-288.000.

Tsukakoshi, Masao, to AMP Incorporated. Electrical connector having a movable guide member. 4,832,613, 5-23-89, Cl. 439-141.000.

Tsukakoshi, Masao: *See—*

Isohata, Shigeru; and Tsukakoshi, Masao, 4,797,116, Cl. 439-141.000.

Tsukamoto, Goro: *See—*

Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,808,584, Cl. 514-229.500.

Taguchi, Masahiro; Kondo, Hirosato; Inoue, Yoshimasa; Kawahata, Yoshihiro; and Tsukamoto, Goro, 4,853,469, Cl. 544-99.000.

Tsukamoto, Hidehiko: *See—*

Takahashi, Ryoichi; Sato, Tomoyoshi; Tsukamoto, Hidehiko; Morimoto, Kazuo; and Maeda, Nobutaka, 4,811,585, Cl. 72-108.000.

Tsukamoto, Hideo: *See—*

Hagiwara, Haruo; Tsukamoto, Hideo; and Tsubaki, Yasuhiro, 4,802,253, Cl. 8-158.000.

Tsukamoto, Jun; Takahashi, Akio; and Matsumura, Kiichiro, to Director General, Agency of Industrial Science and Technology. Process for producing carbon dichalcogenide homopolymer and homopolymer produced thereby. 4,816,547, 3-28-89, Cl. 528-387.000.

Tsukamoto, Jun: *See—*

Matsumura, Kiichiro; Takahashi, Akio; and Tsukamoto, Jun, 4,808,475, Cl. 428-367.000.

Tsukamoto, Katsuhiro; Shimizu, Masahiro; Fujishima, Kazuyasu; and Matsuda, Yoshio, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device having stacked memory capacitors and method for manufacturing the same. 4,855,953, 8-8-89, Cl. 365-149.000.

Tsukamoto, Katsuhiro; and Matsukawa, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory cell capacitor and method for making the same. 4,859,615, 8-22-89, Cl. 437-38.000.

Tsukamoto, Katsuo: *See—*

Fujihara, Tadafumi; Shimada, Yoshihiro; Nagano, Chikara; and Tsukamoto, Katsuo, 4,852,985, Cl. 350-523.000.

Shimada, Yoshihiro; Fujihara, Tadafumi; Nagano, Chikara; and Tsukamoto, Katsuo, 4,812,039, Cl. 356-129.000.

Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, to Matsushita Electric Works, Ltd. Planar antenna. 4,829,309, 5-9-89, Cl. 343-700.0MS.

Tsukamoto, Katsuya; Masamoto, Kyoji; Fujii, Yasuhiro; and Kitsuda, Yoshihiro, to Matsushita Electric Works, Ltd. Planar antenna. 4,851,855, 7-25-89, Cl. 343-700.0MS.

Tsukamoto, Katsuya; Fujii, Yasuhiro; and Abiko, Toshio, to Matsushita Electric Works, Ltd. Planar antenna. 4,857,938, 8-15-89, Cl. 343-700.0MS.

Tsukamoto, Katsuya: *See—*

Abiko, Toshio; Tsukamoto, Katsuya; Inoue, Hiroo; Fujii, Yasuhiro; Kanda, Minoru; and Miyachi, Nobuaki, 4,816,835, Cl. 343-700.0MS.

Tsukamoto, Kazuhiro: *See—*

Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.

Tsukamoto, Kazumasa: *See—*

Hayabuchi, Masahiro; Tsukamoto, Kazumasa; Takahashi, Tokuyuki; Kubo, Seitoku; and Kuramochi, Koujiro, 4,866,935, Cl. 60-361.000.

Tsukamoto, Keisuke; Nagase, Masaomi; and Matsuno, Kiyotaka, to Toyota Jidosha Kabushiki Kaisha. Method of controlling individual cylinder fuel injection quantities in electronically controlled diesel engine and device therefor. 4,862,853, 9-5-89, Cl. 123-357.000.

Tsukamoto, Keisuke: *See—*

Nagase, Masaomi; Ito, Yoshiyasu; Kizaki, Mikio; Matsuno, Kiyotaka; Tsukamoto, Keisuke; and Kobayashi, Fumiaki, 4,879,673, Cl. 364-571.010.

Tsukamoto, Kenji: *See—*

Kato, Yutaka; Tsukamoto, Kenji; and Isoyama, Eizo, 4,828,937, Cl. 428-654.000.

Tada, Kiyoshi; Tsukamoto, Kenji; and Otsuka, Tatsuo, 4,806,436, Cl. 428-629.000.

Tsukamoto, Kimihide: *See—*

Ogura, Mitsuru; and Tsukamoto, Kimihide, 4,876,577, Cl. 355-315.000.

Tsukamoto, Koichi: *See—*

Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, 4,836,417, Cl. 222-63.000.

Tsukamoto, Koji, to Yamazaki Corporation. Mop holder. 4,811,446, 3-14-89, Cl. 15-147.00R.

Tsukamoto, Masahiro, to Nippon Seiko Kabushiki Kaisha. Emergency locking retractor. 4,834,313, 5-30-89, Cl. 242-107.40A.

Tsukamoto, Masao; Kawamoto, Kinji; and Uya, Masaru, to Matsushita Electric Industrial Co., Ltd. Electronic musical instrument. 4,815,352, 3-28-89, Cl. 84-1.010.

Tsukamoto, Masatoshi: *See—*

Sawayama, Tadahiro; Tsukamoto, Masatoshi; Sasagawa, Takashi; Nishimura, Kazuya; Hosoki, Kanoo; and Takeyama, Kunihiko, 4,826,814, Cl. 514-18.000.

Tsukamoto, Noboru: *See—*

Ichikawa, Kenji; Tsukamoto, Noboru; Iwado, Hitoshi; and Iida, Eishi, 4,830,992, Cl. 501-100.000.

Tsukamoto, Nobuo: *See—*

Yamauchi, Yukiji; Tsukamoto, Nobuo; and Koya, Masahiro, 4,881,271, Cl. 455-56.000.

Tsukamoto, Ryuichi: *See—*

Okunishi, Hiromu; and Tsukamoto, Ryuichi, 4,850,760, Cl. 409-37.000.

Tsukamoto, Sakae, to Yazaki Corporation. Illumination meter dial device. 4,875,433, 10-24-89, Cl. 116-335.000.

Tsukamoto, Shinji: *See—*

Asai, Yoshiharu; Tsukamoto, Shinji; and Murata, Shuji, 4,852,673, Cl. 177-25.180.

Tsukamoto, Takahiro, to Canon Kabushiki Kaisha. Thermal recorder for printing dot patterns having higher density at ends of pattern. 4,872,772, 10-10-89, Cl. 400-120.000.

Tsukamoto, Takashi; Hatta, Toyoji; and Minato, Ichiro, to Takeda Chemical Industries, Ltd. Coating compositions. 4,841,008, 6-20-89, Cl. 528-45.000.

Tsukamoto, Takeo: *See—*

Okunuki, Masahiko; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Shimoda, Isamu, 4,825,082, Cl. 250-423.00F.

Shimizu, Akira; Tsukamoto, Takeo; Suzuki, Akira; Sugata, Masao; Shimoda, Isamu; and Okunuki, Masahiko, 4,833,507, Cl. 357-4.000.

Shimoda, Isamu; Tsukamoto, Takeo; Shimizu, Akira; Suzuki, Akira; Sugata, Masao; and Okunuki, Masahiko, 4,810,934, Cl. 315-107.000.

Tsukamoto, Takeshi; Tanimoto, Takao; and Miyao, Hidetoshi, to Anritsu Corporation. Chromatic dispersion measuring system for optical fibers. 4,799,789, 1-24-89, Cl. 356-73.100.

Tsukamoto, Takeshi; and Tanimoto, Takao, to Anritsu Corporation. Chromatic dispersion measuring system for optical fibers. 4,799,790, 1-24-89, Cl. 356-73.100.

Tsukamoto, Takeya: *See—*

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Hamada, Masataka; Ishibashi, Kenji; and Ootsuka, Hiroshi, 4,812,912, Cl. 358-227.000.

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; and Kondo, Takashi, 4,843,456, Cl. 358-29.000.

Tsukamoto, Yoshikazu: *See—*

Tanahashi, Haruhiko; Tsukamoto, Yoshikazu; and Miyakawa, Shinji, 4,877,262, Cl. 280-668.000.

Tsukamoto, Yuji, to NEC Corporation. Magnetic recording medium with protective layer using graphite fluoride and method of producing same. 4,839,244, 6-13-89, Cl. 428-694.000.

Tsukamoto, Yuji, to NEC Corporation. Apparatus for measuring an adhesion force of a thin film. 4,856,326, 8-15-89, Cl. 73-150.00A.

Tsukamoto, Yukihide; Sato, Yasuhiro; Seino, Minoru; and Toyoda, Akio, to Dainippon Ink & Chemicals, Inc. Biaxially stretched composite styrene resin sheet. 4,835,041, 5-30-89, Cl. 428-215.000.

Tsukamura, Kazuo: *See—*

Naito, Kenzo; Kato, Masayasu; and Tsukamura, Kazuo, 4,801,703, Cl. 540-227.000.

Tsukane, Nagayoshi; and Sato, Masaru, to Daicel Chemical Industries, Ltd. Multi-layer high density information recording carrier having a non-alkali inorganic glass protective layer. 4,831,608, 5-16-89, Cl. 369-14.000.

Tsukasa, Fumihiro: *See—*

Osawa, Masao; Tsukasa, Fumihiro; Tomiyama, Sadayoshi; and Tanaka, Noboru, 4,846,291, Cl. 177-25.180.

Tsukase, Masaaki: *See—*

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,824,759, Cl. 430-203.000.

Sato, Kozo; Kitaguchi, Hiroshi; Takeuchi, Masashi; Tsukase, Masaaki; and Kato, Masatoshi, 4,845,018, Cl. 430-203.000.

Tsukaya, Takashi: *See—*

Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.

Tsukazaki, Hideo: *See—*

Sakashita, Kimiaki; Kouno, Masaaki; and Tsukazaki, Hideo, 4,886,533, Cl. 55-498.000.

Tsukazaki, Hisanobu: *See—*

Oku, Masuo; Kudo, Yoshimichi; Kuroyanagi, Tomomitsu; Kondo, Kazuo; Tsukazaki, Hisanobu; Ikeda, Tetsuya; Nakashima, Akio; and Kimura, Takashi, 4,858,030, Cl. 358-342.000.

Tsukazaki, Hisashi; Yamanishi, Kenichiro; and Yasunaga, Seiji, to Mitsubishi Denki Kabushiki Kaisha. Evaporation source with a shaped nozzle. 4,812,326, 3-14-89, Cl. 427-38.000.

Tsukidate, Takaaki: *See—*

Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.

Tsukimoto, Takayuki; Okuno, Takuo; Izukawa, Kazuhiro; and Okumura, Ichiro, to Canon Kabushiki Kaisha. Vibration wave motor. 4,810,923, 3-7-89, Cl. 310-323.000.

Tsukimura, Kiyoshi: *See—*

Koike, Yuzuru; and Tsukimura, Kiyoshi, 4,819,604, Cl. 123-492.000.

Tsukioka, Yasunobu. Method of syringing reaction bead in examination of blood or the like and apparatus thereof. 4,879,242, 11-7-89, Cl. 436-54.000.

Tsukiyama, Tokuhiro; Sagara, Yasunori; and Miyazawa, Kazumi, to Hitachi, Ltd. Method for compressing and restoring data series and apparatus for realizing same. 4,866,440, 9-12-89, Cl. 341-95.000.

Tsukiyama, Tokuhiro; Yashiki, Hiroshi; and Hirose, Osamu, to Hitachi, Ltd.; and Hitachi Computer Peripherals Co., Ltd. Method and apparatus for data compression and restoration. 4,872,009, 10-3-89, Cl. 341-95.000.

Tsukiyama, Yasumitsu: *See—*

Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,846,381, Cl. 222-638.000.

Kito, Yoshikazu; Tsukiyama, Yasumitsu; and Tatematsu, Susumu, 4,850,202, Cl. 62-195.000.

Tsukuda, Hiroshi, to Daikin Industries, Ltd. Room temperature controlling apparatus used for an air conditioner. 4,815,657, 3-28-89, Cl. 236-47.000.

Tsukuda, Ichizo; Atsumi, Takashi; and Yokoyama, Masao, to Showa Aluminum Kabushiki Kaisha. Photosensitive drums. 4,866,479, 9-12-89, Cl. 355-211.000.

Tsukuda, Yasuo; and Hara, Hisao, to Hitachi Metals, Ltd. Plasma sprayed film resistor heater. 4,808,490, 2-28-89, Cl. 428-699.000.

Tsukui, Toshimitsu: *See—*

Tsukahara, Hitoshi; Kurokawa, Keiko; Tsukui, Toshimitsu; and Nagai, Toshitake, 4,876,070, Cl. 422-122.000.

Tsukumo, Noriko: *See—*

Yamane, Akio; Kawasoe, Tatsuro; Tsukumo, Noriko; and Miyoshi, Kenichi, 4,876,335, Cl. 536-27.000.

Tsukune, Atsuhiro: *See—*

Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.

Tsukushi, Masanori: *See—*

Ohshita, Youichi; Hashimoto, Akira; Tsukushi, Masanori; Kurosawa, Yukio; and Okumura, Kiyoshi, 4,864,286, Cl. 340-644.000.

Tsukutani, Seiichi: *See—*

Ohtsuka, Shigeru; and Tsukutani, Seiichi, 4,825,114, Cl. 310-90.000.

Tsumadori, Masaki; and Inokoshi, Junichi, to Kao Corporation. Fabric softener of mixed quaternary ammonium salts: combination of linear alkyl and methyl-branched alkyl quaternary ammonium salts. 4,795,573, 1-3-89, Cl. 252-8.800.

Tsumadori, Masaki; Shimizu, Kazuo; Inokoshi, Junichi; and Murata, Moriyasu, to Kao Corporation. Soft finishing agent. 4,842,760, 6-27-89, Cl. 252-8.800.

Tsumaki, Koji; Miyata, Kenji; and Nishi, Masatsugu, to Hitachi, Ltd. Electron beam stabilizing method for electron storing ring, and electron storing ring system. 4,812,774, 3-14-89, Cl. 328-233.000.

Tsumaki, Nobuo: *See—*

Tokisue, Hiromitsu; Tsumaki, Nobuo; and Koike, Toshifumi, 4,874,273, Cl. 406-88.000.

Tsumazawa, Hiroyuki; Yoshioka, Daigo; and Kuwada, Atsushi, to Minolta Camera Kabushiki Kaisha. Video camera with automatically movable microphone. 4,862,279, 8-29-89, Cl. 358-229.000.

Tsumazawa, Hiroyuki: *See—*

Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.

Iida, Takashi; Tsumazawa, Hiroyuki; Itoh, Masatoshi; and Kiten, Hiroshi, 4,847,650, Cl. 354-400.000.

Tsumita, Mitsuyo; and Yamane, Yuji, to Tomy Kogyo Co., Inc. Cotton candy machine. 4,842,502, 6-27-89, Cl. 425-9.000.

Tsumita, Norikazu: *See—*

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Gobara, Yoshio; Tsumita, Norikazu; Ohura, Masaki; and Hayashi, Masaaki, 4,833,020, Cl. 428-336.000.

Shiroishi, Yoshihiro; Hishiyama, Sadao; Suzuki, Hiroyuki; Ohno, Tomoyuki; Matsuda, Yoshibumi; Takagi, Kazumasa; Tsumita, Norikazu; Kitazaki, Yasushi; Ohura, Masaki; and Nagaike, Sadanori, 4,883,711, Cl. 428-336.000.

Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, to Ube Industries, Ltd. Polyester/polyamide resin compositions containing grafted polyolefin and molded products thereof. 4,879,341, 11-7-89, Cl. 525-66.000.

Tsumori, Yukihisa; and Takubo, Takayasu, to NTN Toyo Bearing Co., Ltd. Rolling bearing. 4,846,592, 7-11-89, Cl. 384-473.000.

Tsumori, Yukihisa: *See—*

Ito, Hideji; Kametaka, Koji; and Tsumori, Yukihisa, 4,856,916, Cl. 384-477.000.

Tsumura, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Disc assembly for a magnetic disc apparatus. 4,796,141, 1-3-89, Cl. 360-135.000.

Tsumura Juntendo, Inc.: *See—*

Kimura, Masayuki; Hosaka, Kunio; Takeda, Shigehumi; and Mitsuhashi, Hiroshi, 4,849,448, Cl. 514-464.000.

Tsumura, Kazunobu: *See—*

Sawamura, Norio; Matsuo, Takaharu; Tsumura, Kazunobu; and Ebihara, Yoshitaka, 4,873,194, Cl. 435-198.000.

Tsumura, Kiyoaki, to Mitsubishi Denki Kabushiki Kaisha. Method for bonding a wire and bonding apparatus. 4,821,944, 4-18-89, Cl. 228-10.000.

Tsumura, Kiyoaki, to Mitsubishi Denki Kabushiki Kaisha. Capillary tip for bonding a wire. 4,886,200, 12-12-89, Cl. 228-1.100.

Tsumura, Naoki, to Ricoh Company, Ltd. Facsimile machine having an output level adjusting function. 4,868,852, 9-19-89, Cl. 375-59.000.

Tsumuraya, Kenichi: *See—*

Kobayashi, Shogo; Tsumuraya, Kenichi; and Horie, Kazuhiro, 4,815,876, Cl. 400-603.100.

Tsunaga, Masayuki; Yuba, Kazuaki; and Kaneko, Youichi, to Mitsui Mining & Smelting Co., Ltd. Electrically conductive powder and electrically conductive composition using the same. 4,888,135, 12-19-89, Cl. 252-512.000.

Tsunakawa, Mitsuaki: *See—*

Oki, Toshikazu; Saitoh, Kyoichiro; Tomatsu, Kozo; Tomita, Koji; Konishi, Masataka; Miyaki, Takeo; Tsunakawa, Mitsuaki; and Nishio, Maki, 4,870,165, Cl. 536-6.400.

Tsunamoto, Kanichi; and Inoue, Seiji, to Sanshin Kogyo Kabushiki Kaisha. Warning system for watercraft. 4,871,996, 10-3-89, Cl. 340-521.000.

Tsunashima, Makoto: *See—*

Ikeda, Hiroshi; Tsunashima, Makoto; and Mieda, Akihiko, 4,861,574, Cl. 423-342.000.

Tsunashima, Shigeru, to Daidotokushuko Kabushiki Kaisha; and Canon Kabushiki Kaisha. Thermomagnetic recording carrier and a method for thermomagnetic recording. 4,799,114, 1-17-89, Cl. 360-59.000.

Tsuneda, Masaaki, to Fuji Jukogyo Kabushiki Kaisha. Power transmitting system for a four-wheel drive vehicle. 4,805,713, 2-21-89, Cl. 180-70.100.

Tsuneeda, Kenichi, to Kabushiki Kaisha Toshiba. Electrophotography apparatus and electrophtographic process for developing positive image from positive or negative film. 4,885,221, 12-5-89, Cl. 430-100.000.

Tsunekawa, Kyosuke; Fukuta, Ken; and Iwabuchi, Muneyuki, to NGK Insulators, Ltd. High strength zirconia ceramic. 4,820,667, 4-11-89, Cl. 501-104.000.

Tsunekawa, Shinichi; and Takagi, Masami, to Kabushiki Kaisha Toshiba. Rare gas arc lamp having hot cathode. 4,882,520, 11-21-89, Cl. 313-643.000.

Tsunekawa, Shyozi: *See—*

Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.

Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hosoe, Kazuya; and Urushibara, Kazunori, to Canon Kabushiki Kaisha. Camera for flash photography having an image recording system. 4,823,200, 4-18-89, Cl. 358-335.000.

Tsunekawa, Tokuichi: *See—*

Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.

Tsunekawa, Yoshifumi: *See—*

Iwano, Hideaki; and Tsunekawa, Yoshifumi, 4,856,013, Cl. 372-45.000.

Tsunekawa, Yuzo; Tsuruta, Hikaru; and Sato, Takehiko, to Fuji Photo Film Co., Ltd. Ion activity measuring device. 4,871,441, 10-3-89, Cl. 204-409.000.

Tsunekawa, Yuzo; Ishida, Yukio; and Shiino, Tatsuo, to Fuji Photo Film Co., Ltd. Method of continuously assembling chemical analysis slides. 4,878,971, 11-7-89, Cl. 156-70.000.

Tsunekawa, Yuzo: *See—*

Takayama, Naoto; Tsunekawa, Yuzo; and Kitamura, Kazumi, 4,802,554, Cl. 184-14.000.

- Tsunematsu, Toyoaki: *See—*
  - Tomono, Kunisaburo; Mandai, Harufumi; Kawabata, Toshio; Sakamoto, Yukio; Tsunematsu, Toyoaki; and Kaneko, Toshimi, 4,803,453, Cl. 336-183.000.
- Tsunemi, Yutaka; Asahi, Satoru; and Doi, Muneharu, to Takeda Chemical Industries, Ltd. Production of uridine. 4,880,736, 11-14-89, Cl. 435-87.000.
- Tsunemi, Yutaka: *See—*
  - Asahi, Satoru; Tsunemi, Yutaka; and Doi, Muneharu, 4,839,285, Cl. 435-87.000.
- Tsunemitsu, Katsuhiko: *See—*
  - Fujino, Yoshiharu; Kawai, Hajime; and Tsunemitsu, Katsuhiko, 4,845,245, Cl. 549-304.000.
  - Fujisaki, Hideaki; Mizuno, Kouzou; Sueto, Yukihiko; and Tsunemitsu, Katsuhiko, 4,820,841, Cl. 546-152.000.
  - Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,808,567, Cl. 503-220.000.
  - Kawai, Hajime; Taniguchi, Masatoshi; and Tsunemitsu, Katsuhiko, 4,814,320, Cl. 503-220.000.
  - Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.
- Tsunemitsu, Sakuji, deceased: *See—*
  - Yamada, Akio; and Tsunemitsu, Sakuji, deceased, 4,848,846, Cl. 30-276.000.
- Tsunemitsu, Takao, administrator: *See—*
  - Yamada, Akio; and Tsunemitsu, Sakuji, deceased, 4,848,846, Cl. 30-276.000.
- Tsunenari, Tomoo: *See—*
  - Mizushima, Toshiaki; Ozaki, Shigeo; Shinohara, Yukimasa; Tsunenari, Tomoo; Takada, Yasufumi; and Noguchi, Yasuo, 4,843,432, Cl 355-41.000.
- Tsuneoka, Masayuki: *See—*
  - Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,809,071, Cl. 358-111.000.
  - Yokouchi, Hisatake; Takahashi, Fumitaka; and Tsuneoka, Masayuki, 4,881,124, Cl. 358-111.000.
- Tsuneta, Katsuhiro: *See—*
  - Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsuneo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
- Tsuneta, Masayuki: *See—*
  - Takeuchi, Toshiyuki; and Tsuneta, Masayuki, 4,841,869, Cl. 104-292.000.
- Tsuno, Katsuhiko; Kameda, Yoshihiko; and Akabane, Satoshi, to Kabushiki Kaisha Toshiba. Sun sensor with periodic pattern reticle and reference phase signal generating means. 4,810,870, 3-7-89, Cl. 250-203.00R.
- Tsuno, Koichi; Nishikawa, Mitsuru; and Awazu, Kunio, to Sumitomo Electric Industries, Ltd. Fiberscope. 4,807,597, 2-28-89, Cl. 128-6.000.
- Tsuno, Koichi: *See—*
  - Hiramoto, Jun-ichi; and Tsuno, Koichi, 4,826,280, Cl. 350-96.260.
- Tsuno, Nobuo: *See—*
  - Oda, Isao; and Tsuno, Nobuo, 4,810,585, Cl. 428-469.000.
  - Oda, Isao; Matsui, Minoru; and Tsuno, Nobuo, 4,822,645, Cl. 427-376.300.
  - Oda, Isao; and Tsuno, Nobuo, 4,854,025, Cl. 29-156.80R.
- Tsunoda, Arihiro; Tsuji, Kikunosuke; Nakakuma, Akira; and Matsushita, Tetsuya, to Mita Industrial Co., Ltd. Support and adjusting apparatus for an optical unit. 4,862,218, 8-29-89, Cl. 355-235.000.
- Tsunoda, Arihiro: *See—*
  - Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.
- Tsunoda, Eiji: *See—*
  - Hadano, Yoshikazu; Tsunoda, Eiji; and Kajigaya, Ichiro, 4,873,827, Cl. 60-646.000.
- Tsunoda, Euji: *See—*
  - Ikeda, Takashi; and Tsunoda, Euji, 4,884,934, Cl. 411-383.000.
- Tsunoda, Kazuhiko; Furuyama, Hiroyuki; Asakura, Toshimitsu; and Tagami, Tomoyuki, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle body frame structure. 4,805,716, 2-21-89, Cl. 180-219.000.
- Tsunoda, Kazuyoshi: *See—*
  - Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.
- Tsunoda, Kazuyuki: *See—*
  - Matai, Masahiro; and Tsunoda, Kazuyuki, 4,876,536, Cl. 340-825.440.
- Tsunoda, Kikuo; Yorikane, Toshiaki; and Murakami, Hideo, to Ryobi Ltd. Fishing reel leg with soft cover. 4,830,306, 5-16-89, Cl. 242-84.20R.
- Tsunoda, Kikuo, to Ryobi Ltd. Reciprocating mechanism for spinning reel for fishing. 4,865,262, 9-12-89, Cl. 242-241.000.
- Tsunoda, Kikuo: *See—*
  - Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,821,006, Cl. 333-202.000.
  - Ishikawa, Youhei; Tsunoda, Kikuo; Hiratsuka, Toshiro; and Abe, Hirotsugu, 4,839,773, Cl. 361-321.000.
- Tsunoda, Masakazu: *See—*
  - Shibata, Shinya; Hokusho, Takayasu; Tsunoda, Masakazu; and Kawakami, Yasushi, 4,823,140, Cl. 343-713.000.
- Tsunoda, Noriaki: *See—*
  - Takagi, Hiroshi; Serikawa, Toshiaki; and Tsunoda, Noriaki, 4,889,442, Cl. 401-194.000.
- Tsunoda, Tahahiro; Yamaoka, Tsuguo; and Arimatsu, Seiji, to Nippon Paint Company, Ltd. Photosensitive aqueous emulsion resin composition of polystyrene or styrene copolymer particles containing photosensitive material. 4,877,714, 10-31-89, Cl. 430-270.000.
- Tsunoda, Taiji; and Iwasawa, Takashi, to Pioneer Electronic Corporation. Multi-speed magnetic recording playback. 4,807,055, 2-21-89, Cl. 360-32.000.
- Tsunoda, Takayuki: *See—*
  - Iwata, Yasuo; Mae, Shigenori; Urai, Yoshio; and Tsunoda, Takayuki, 4,889,557, Cl. 75-249.000.
- Tsunoda, Toshiyuki: *See—*
  - Ishikawa, Tomonori; Fukaya, Takashi; Tsunoda, Toshiyuki; and Fujiwara, Hiroshi, 4,871,245, Cl. 350-502.000.
  - Nagano, Takashi; Tsunoda, Toshiyuki; and Fukaya, Takashi, 4,807,989, Cl. 351-212.000.
  - Nakano, Hiroshi; Takeuchi, Toyoaki; Tsunoda, Toshiyuki; and Kinukawa, Masahiko, 4,878,746, Cl. 350-507.000.
  - Togino, Takayoshi; Fujiwara, Hiroshi; Takabayashi, Yutaka; Nagano, Takashi; Fukaya, Takashi; Minami, Kazuyuki; and Tsunoda, Toshiyuki, 4,802,749, Cl. 350-516.000.
- Tsunoda, Yoshito: *See—*
  - Kaku, Toshimitsu; Shigematsu, Kazuo; Tsunoda, Yoshito; and Maeda, Takeshi, 4,807,210, Cl. 369-44.000.
  - Kaku, Toshimitsu; Maeda, Takeshi; Nakamura, Shigeru; Ito, Masaru; Shigematsu, Kazuo; and Tsunoda, Yoshito, 4,835,756, Cl. 369-44.000.
  - Kaku, Toshimitsu; Tsunoda, Yoshito; Maeda, Takeshi; and Nakamura, Shigeru, 4,855,991, Cl. 369-275.000.
  - Kaku, Toshimitsu; Tsunoda, Yoshito; and Shigematsu, Kazuo, 4,879,703, Cl. 369-13.000.
  - Kataoka, Keiji; Maeda, Takeshi; and Tsunoda, Yoshito, 4,802,151, Cl. 369-45.000.
  - Nakamura, Shigeru; and Tsunoda, Yoshito, 4,815,058, Cl. 369-45.000.
- Tsunoka, Akitoshi: *See—*
  - Itoh, Shigeyuki; Watatani, Yoshizumi; and Tsunoka, Akitoshi, 4,825,305, Cl. 360-8.000.
- Tsunooka, Masahiro: *See—*
  - Shirai, Masamitsu; Tsunooka, Masahiro; Tanaka, Makoto; Nishijima, Kanji; and Ishikawa, Katsukiyo, 4,869,995, Cl. 430-270.000.
- Tsunooka, Tsutomu: *See—*
  - Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi and Yamamoto, Takashi, 4,874,727, Cl. 501-134.000.
- Tsunotani, Masanori: *See—*
  - Saito, Tadashi; Nakamura, Hiroshi; and Tsunotani, Masanori, 4,889,817, Cl. 437-22.000.
- Tsunoyama, Kozo: *See—*
  - Okada, Susumu; Imanaka, Makoto; Masui, Susumu; Obara, Takashi; Shinozaki, Masatoshi; and Tsunoyama, Kozo, 4,889,566, Cl. 148-2.000.
  - Sato, Susumu; Kurosawa, Mitsumasa; Suzuki, Hideo; Obara, Takashi; and Tsunoyama, Kozo, 4,818,299, Cl. 148-2.000.
  - Satoh, Susumu; Matsuoka, Saiji; Obara, Takashi; Tsunoyama, Kozo; and Irie, Toshio, 4,861,390, Cl. 148-12.00R.
- Tsuo, Simon; and Langford, Alison A., to Midwest Research Institute. Method and apparatus for removing and preventing window deposition during photochemical vapor deposition (photo-CVD) processes. 4,816,294, 3-28-89, Cl. 427-531.000.
- Tsuri, Tatsuo: *See—*
  - Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
- Tsurishima, Akihiko: *See—*
  - Tomimatsu, Noriyuki; and Tsurishima, Akihiko, 4,846,579, Cl. 363-8.000.
- Tsuru, Eiji; Nishi, Shunji; and Ogasawara, Masao, to Nippon Steel Corporation. Threaded joint for oil-well pipe. 4,830,411, 5-16-89, Cl. 285-334.000.
- Tsuru, Sumiaki; Mori, Shoichi; Komatsu, Noriko; and Fujii, Shigeo, to Toa Nenryo Kogyo Kabushiki Kaisha; and Asahi Kogaku Kogyo Kabushiki Kaisha. Cell separator device. 4,865,733, 9-12-89, Cl. 210-266.000.
- Tsuru, Yoshikazu: *See—*
  - Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi; and Tanaka, Masumi, 4,797,690, Cl. 346-105.000.
  - Takita, Masaaki; Tsuru, Yoshikazu; Kitagawa, Toshiharu; and Nomura, Yoshikazu, 4,881,831, Cl. 400-120.000.
- Tsuru, Yoshiyuki; Okamura, Toshiro; Okishima, Tetsuya; Ikeda, Masayoshi; and Kawamura, Masahiro, to Hitachi Chemical Co., Ltd. Process for forming metallic film on inorganic material. 4,842,899, 6-27-89, Cl. 427-309.000.
- Tsurubuchi, Yasuo; and Kato, Shogo, to Konishiroku Photo Industry Co., Ltd. Sheet conveyance apparatus. 4,884,110, 11-28-89, Cl. 355-319.000.
- Tsuruda, Makoto, to Mitsubishi Denki Kabushiki Kaisha. Method for controlling a shape of a plate. 4,805,492, 2-21-89, Cl. 72-8.000.
- Tsuruda, Takahiro: *See—*
  - Matsunami, Hidenobu; Tsuruda, Takahiro; Hitosugi, Naoki; and Hirukawa, Yoshinori, 4,880,644, Cl. 426-46.000.
- Tsurufuji, Shinichi: *See—*
  - Iida, Masayuki; and Tsurufuji, Shinichi, 4,864,622, Cl. 381-41.000.

- Tsuruga, Teruhisa: *See—*
  - Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, 4,867,858, Cl. 204-290.00R.
- Tsurukawa, Ikuya; Nishi, Kohichi; and Yamaguchi, Kunihisa, to Ricoh Company, Ltd. Finder switching apparatus for camera. 4,831,399, 5-16-89, Cl. 354-221.000.
- Tsurukawa, Ikuya: *See—*
  - Yamaguchi, Kunihisa; Nishi, Kohichi; Tsurukawa, Ikuya; and Sawabe, Kosaku, 4,847,648, Cl. 354-195.120.
- Tsurukawa, Toshio: *See—*
  - Miyazaki, Yasuhiro; Okada, Hiroo; Tsurukawa, Toshio; and Kobayashi, Shohei, 4,819,220, Cl. 369-45.000.
- Tsuruki, Satoru: *See—*
  - Yamakawa, Kiyoshi; Sugiura, Yoshio; and Tsuruki, Satoru, 4,863,296, Cl. 400-63.000.
- Tsurumaki, Masao: *See—*
  - Nakai, Hiromi; and Tsurumaki, Masao, 4,817,881, Cl. 242-55.19A.
- Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, to Tatsuta Electric Wire and Cable Co., Ltd.; and Nippon Mining Co., Ltd. Filler for noise insulating material and noise insulating material using same. 4,814,018, 3-21-89, Cl. 106-457.000.
- Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashina, Masato; and Kobayashi, Hironori, to Toyo Seikan Kaisha, Ltd. Method and apparatus for measuring metal exposure in resin covering portion in metal container and constituent member thereof. 4,846,936, 7-11-89, Cl. 204-1.00T.
- Tsurumaru, Shinobu: *See—*
  - Fukuzawa, Keiji; Ito, Fumihiro; Kajikuri, Junichi; and Tsurumaru, Shinobu, 4,827,276, Cl. 343-778.000.
- Tsurumi, Hideaki: *See—*
  - Fujiwara, Toshihiro; Tsurumi, Hideaki; and Sato, Yukio, 4,880,926, Cl. 544-105.000.
- Tsurumoto, Takashi; and Nagai, Kunio, to Sony Corporation. Remote control system. 4,817,203, 3-28-89, Cl. 455-603.000.
- Tsuruno, Kunio: *See—*
  - Sakata, Tsuguhide; Taguchi, Tomishige; Kimura, Norio; Tsuruno, Kunio; and Suzuki, Yasutomo, 4,878,131, Cl. 360-37.100.
- Tsuruoka, Hisashi: *See—*
  - Kaneko, Tomiatsu; Yokoyama, Kazuaki; and Tsuruoka, Hisashi, 4,798,733, Cl. 426-549.000.
- Tsuruoka, Kazuhiro; Kanamaru, Hisanobu; Ohwada, Takefumi; Hayase, Isao; and Mizukami, Masao, to Hitachi, Ltd. Method of combining plurality of parts and structure of plurality of parts combined by same. 4,815,195, 3-28-89, Cl. 29-523.000.
- Tsuruoka, Kazuhiro: *See—*
  - Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
  - Usui, Toshifumi; Yanagisawa, Syozo; Kanamaru, Hisanobu; and Tsuruoka, Kazuhiro, 4,815,192, Cl. 29-509.000.
- Tsuruoka, Michihiko; Nakagawa, Wataru; Miyoshi, Noriomi; Konosu, Naohiro; and Hashimoto, Tadao, to Fuji Electric Co., Ltd. Vibrating type transducer. 4,872,335, 10-10-89, Cl. 73-30.000.
- Tsuruoka, Taiji: *See—*
  - Nakamori, Tomohiro; Tsuruoka, Taiji; Shibata, Susumu; and Kanamori, Takashi, 4,849,605, Cl. 219-216.000.
- Tsuruoka, Takao: *See—*
  - Konomura, Yutaka; and Tsuruoka, Takao, 4,845,553, Cl. 358-98.000.
  - Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000
- Tsuruoka, Yoshihisa, to Futaba Denshi Kogyo Kabushiki Kaisha. Display device with stretched electrode assemblies having different resonant frequencies. 4,881,017, 11-14-89, Cl. 313-495.000.
- Tsurusaki, Masayuki; Wakabayashi, Tamotsu; Mano, Hiroshi; and Mori, Hideyasu, to Kabushiki Kaisha Toshiba. Telephone system allowing hold releasing request from central office line. 4,852,158, 7-25-89, Cl. 379-393.000.
- Tsurusaki, Masayuki: *See—*
  - Mano, Hiroshi; Tsurusaki, Masayuki; Sano, Yoshikazu; and Shiomi, Junichi, 4,887,264, Cl. 370-58.200.
- Tsuruta, Fuminori: *See—*
  - Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.
- Tsuruta, Haruki: *See—*
  - Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,886,623, Cl. 252-299.650.
- Tsuruta, Hikaru: *See—*
  - Tsunekawa, Yuzo; Tsuruta, Hikaru; and Sato, Takehiko, 4,871,441, Cl. 204-409.000.
- Tsuruta, Koji: *See—*
  - Ohkoshi, Akio; Nakagawa, Hideaki; Tsuruta, Koji; Sugii, Yasuyoshi; and Wada, Haruaki, 4,857,800, Cl. 313-495.000.
- Tsuruta, Masahiko: *See—*
  - Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, 4,811,122, Cl. 360-25.000.
- Tsuruta, Masao; Kiuchi, Seiji; Honjyoh, Akira; Oishi, Kengo; and Suzuki, Osamu, to Fuji Photo Film Co., Ltd. Lid spring locking structure in a magnetic tape cassette. 4,841,403, 6-20-89, Cl. 360-132.000.
- Tsuruta, Masao: *See—*
  - Naruo, Kyoichi; Ohtani, Sumio; Etoh, Masahiro; Tsuruta, Masao; Moriya, Ikuro; Ishiguro, Masanori; and Matsumoto, Akira, 4,876,007, Cl. 210-339.000.
- Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, to Sanyo Electric Co., Ltd. Disc player. 4,796,244, 1-3-89, Cl. 369-38.000.
- Tsushima, Akinori: *See—*
  - Sakamoto, Junshin; Suzuki, Shun; and Tsushima, Akinori, 4,836,349, Cl. 192-56.00R.
- Tsushima, Eiki: *See—*
  - Hino, Takashi; Naito, Tsutomu; Kuroda, Hiroyuki; Tsushima, Eiki; and Nomura, Tomio, 4,822,587, Cl. 423-447.100.
- Tsushima, Isao; Komoda, Norihisa; Yagi, Masao; and Kusuzaki, Tetsuo, to Hitachi, Ltd. Job scheduling method and system. 4,852,001, 7-25-89, Cl. 364-401.000.
- Tsushima, Kazunori; Matsuo, Noritada; Tanabe, Yoo; Yano, Toshihiko; and Hirano, Masachika, to Sumitomo Chemical Company, Limited. Novel ether compound, a process for manufacturing the same, a composition containing the same and a use thereof. 4,840,971, 6-20-89, Cl. 514-721.000.
- Tsushima, Kazunori: *See—*
  - Ohsumi, Tadashi; Tsushima, Kazunori; Nishida, Sumio; Maeda, Kiyoto; Ooishi, Tadashi; and Matsuo, Noritada, 4,837,242, Cl. 514-365.000.
- Tsushima, Kenichi: *See—*
  - Fukubayashi, Harold H.; Tsushima, Kenichi; Tucker, Robert C., Jr.; and Taylor, Thomas A., 4,822,689, Cl. 428-472.000.
- Tsushima, Rikio: *See—*
  - Ohtani, Shoji; Muroi, Yoshiyuki; and Tsushima, Rikio, 4,795,792, Cl. 526-201.000.
  - Ohtani, Shoji; Sato, Yukiya; Takemura, Kazunari; and Tsushima, Rikio, 4,868,086, Cl. 430-137.000.
- Tsushima, Shuichi, to Ricoh Company, Ltd. Contact photoelectric conversion apparatus having plurality of protecting layers. 4,845,375, 7-4-89, Cl. 250-578.000.
- Tsushima, Tadahiko: *See—*
  - Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.
- Tsushima, Tetsurou: *See—*
  - Okubo, Osamu; Kato, Takeo; and Tsushima, Tetsurou, 4,874,918, Cl. 219-85.110.
- Tsuta, Toshio; Kadota, Koji; Matsui, Shigetomo; Matsumura, Hiroyuki; Hasegawa, Hisao; Nakamura, Hiromichi; Noma, Tetsuro; Miyazaki, Hisahiko; and Furugen, Munekatsu, to Kawasaki Jukogyo Kabushiki Kaisha; and Sumitomo Metal Industries Ltd. Method of and apparatus for continuous production of seam-welded metal tubing. 4,796,798, 1-10-89, Cl. 228-146.000.
- Tsutomu, Kurokawa: *See—*
  - Masakazu, Kikuchi; Tsutomu, Kurokawa; and Susumu, Honda, 4,855,409, Cl. 530-351.000.
- Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, to Matsushita Electric Industrial Co., Ltd. Radiation detector and method of manufacturing the same. 4,883,967, 11-28-89, Cl. 250-370.010.
- Tsutsui, Kenji: *See—*
  - Moriwaki, Takeshi; and Tsutsui, Kenji, 4,831,074, Cl. 524-494.000.
- Tsutsui, Kiyomi: *See—*
  - Yamaoka, Masayoshi; Tsutsui, Kiyomi; Inoue, Tadashi; and Takahashi, Toyoki, 4,888,993, Cl. 73-760.000.
- Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, to Nippon Paint Co., Ltd. Powder treating method and apparatus used therefor. 4,867,573, 9-19-89, Cl. 366-114.000.
- Tsutsui, Koichi; Ikeda, Shoji; and Ueki, Koji, to Nippon Paint Co., Ltd. Corona discharge treatment apparatus. 4,879,100, 11-7-89, Cl. 422-186.050.
- Tsutsui, Koichi: *See—*
  - Ohata, Masatoshi; Tsutsui, Koichi; Ikedal, Shoji; and Fujimoto, Teruo, 4,853,436, Cl. 525-244.000.
- Tsutsui, Masatoshi: *See—*
  - Manabe, Katsuhide; Tsutsui, Masatoshi; Suzuki, Toshimasa; Suzuki, Masayuki; and Nishibayashi, Yoshifumi, 4,816,124, Cl. 204-192.140.
- Tsutsui, Mitsukuni: *See—*
  - Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, 4,887,577, Cl. 123-494.000.
  - Suzuki, Tadao; and Tsutsui, Mitsukuni, 4,829,814, Cl. 73-118.200.
- Tsutsui, Osamu; Kawaguchi, Hideki; Hayashi, Keiji; Kayano, Masahiro; Tanaka, Shingo; Kobayashi, Hiroshi; Nakamura, Hisashi; and Makita, Atsuo, to Toto Ltd. Multiple-purpose instantaneous gas water heater. 4,819,587, 4-11-89, Cl. 122-488.00R.
- Tsutsui, Ryuji: *See—*
  - Tateyama, Masayuki; and Tsutsui, Ryuji, 4,842,102, Cl. 188-24.210.
- Tsutsui, Shinji; and Shimoda, Isamu, to Canon Kabushiki Kaisha. Photomask positioning device. 4,820,930, 4-11-89, Cl. 250-548.000.
- Tsutsui, Taizo: *See—*
  - Hashimoto, Masayuki; Sakamoto, Manabu; Tsutsui, Taizo; Satoh, Satoshi; Kouza, Yukihiko; Murakami, Keikichi; Soga, Tonokatsu; Takeishi, Akira; Takusagawa, Teruhiko; and Hayashi, Misao, 4,885,816, Cl. 15-53.00A.
- Tsutsui, Toshiaki; and Akiba, Takashi, to Nikkiso Co., Ltd. Canned motor pump. 4,808,087, 2-28-89, Cl. 417-369.000.

- Tsutsui, Toshihiro: *See—*
  - Imai, Tomoyasu; Mukai, Ryouhei; and Tsutsui, Toshihiro, 4,866,887, Cl. 51-325.000.
- Tsutsui, Yoshimitsu: *See—*
  - Yonezawa, Keitaro; and Tsutsui, Yoshimitsu, 4,823,687, Cl. 100-53.000.
- Tsutsumi, Fumihiro: *See—*
  - Tsurumaru, Michiko; Suzuki, Yukio; Tsutsumi, Fumihiro; Ashina, Masato; and Kobayashi, Hironori, 4,846,936, Cl. 204-1.00T.
- Tsutsumi, Fumio; Kondo, Makoto; Sakakibara, Mitsuhiko; Oda, Masaru; Ogawa, Masaki; Tsuchikura, Akira; and Fujimaki, Tatsuo, to Bridgestone Tire Company Limited; and Japan Synthetic Rubber Company Limited. Rubber composition for use in vibration insulating material. 4,810,746, 3-7-89, Cl. 524-522.000.
- Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Shimada, Noboru; Fujinaga, Yoshihisa; Oshima, Noboru; Hamada, Tatsuro; and Fujimaki, Tatsuo, to Japan Synthetic Rubber Co., Ltd. Butadiene-based rubber composition. 4,824,908, 4-25-89, Cl. 525-99.000.
- Tsutsumi, Fumio: *See—*
  - Morikawa, Akihiko; Tsutsumi, Fumio; Sakakibara, Mitsuhiko; Oshima, Noboru; Hamada, Tatsuro; Fukuoka, Hiromi; Komatsu, Hideki; and Fujimaki, Tatsuo, 4,835,216, Cl. 525-77.000.
- Tsutsumi, Hideo: *See—*
  - Murata, Masayoshi; Tsutsumi, Hideo; Matsuda, Keiji; Hattori, Kohji; and Nakajima, Takashi, 4,822,787, Cl. 514-210.000.
- Tsutsumi, Hiroshi; Okamura, Morihito; and Matsunaga, Osamu, to Mitsui Mining Company, Limited. Apparatus for treating a sulfur dioxide-containing gas. 4,818,496, 4-4-89, Cl. 422-172.000.
- Tsutsumi, Kazumasu; and Ohba, Shinji, to Yamaha Corporation. Magnetic recording and/or reproducing apparatus. 4,868,693, 9-19-89, Cl. 360-85.000.
- Tsutsumi, Kazumichi, to Mitsubishi Denki Kabushiki Kaisha. Suction air amount measuring device for an engine. 4,838,078, 6-13-89, Cl. 73-118.200.
- Tsutsumi, Kenichi: *See—*
  - Matsubara, Akinori; Tsutsumi, Kenichi; Kaneko, Youji; Akutsu, Takashi; and Tateishi, Naofumi, 4,854,209, Cl. 84-1.010.
- Tsutsumi, Kenji: *See—*
  - Okada, Sumie; Nara, Takashi; Hatano, Takashi; Kawato, Yutaka; Shimozono, Ryoji; Tsutsumi, Kenji; Ogawa, Yasunori; and Tanaka, Yasuo, 4,812,839, Cl. 340-825.140.
- Tsutsumi, Kiyohide: *See—*
  - Sako, Yuji; Tsutsumi, Kiyohide; and Ootsuka, Shigeharu, 4,808,961, Cl. 337-49.000.
- Tsutsumi, Kiyoshi: *See—*
  - Ichiga, Hiroyasu; Tsutsumi, Kiyoshi; and Tsujikawa, Nobuto, 4,866,341, Cl. 313-623.000.
- Tsutsumi, Michinari: *See—*
  - Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, Cl. 118-52.000.
- Tsutsumi, Sadao; and Sato, Kazuaki, to Iwata Air Compressor Manufacturing Company Limited. Prevention against shifting of tip seal of scroll compressor. 4,869,658, 9-26-89, Cl. 418-55.000.
- Tsutsumi, Sadao: *See—*
  - Kikuchi, Hideo; Tsutsumi, Sadao; and Kaneko, Akira, 4,823,278, Cl. 364-491.000.
- Tsutsumi, Shunsaku: *See—*
  - Kataoka, Sachiro; and Tsutsumi, Shunsaku, 4,835,407, Cl. 307-10.500.
- Tsutsumi, Takao: *See—*
  - Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, 4,844,469, Cl. 273-186.00R.
- Tsutsumi, Takehiko: *See—*
  - Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.
- Tsutsumi, Yasuyuki: *See—*
  - Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, 4,808,492, Cl. 429-34.000.
- Tsutsumi, Yoshitaka; Seita, Toru; Shuyama, Hideo; Matsumura, Kousaburou; and Nakazawa, Kyoko, to Toyo Soda Manufacturing Co., Ltd. A method of image-wise exposing and developing halogen-containing polyacrylate derivatives. 4,822,721, 4-18-89, Cl. 430-325.000.
- Tsutsumi, Yoshitsugu; Ueda, Shinjiro; and Otaka, Tadashi, to Hitachi, Ltd. Apparatus for analysis employing electron. 4,889,995, 12-26-89, Cl. 250-441.100.
- Tsutsumi, Yuji: *See—*
  - Ishiwatari, Masaaki; Tsutsumi, Yuji; Ogusu, Yoshiyuki; and Kimura, Yoshihiro, 4,857,304, Cl. 424-59.000.
- Tsutsumi, Yukihiro: *See—*
  - Kumoi, Sadakatsu; Mitarai, Keiji; and Tsutsumi, Yukihiro, 4,845,297, Cl. 564-487.000.
  - Miyake, Takanori; Sekizawa, Kazuhiko; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,861,929, Cl. 570-209.000.
  - Sekizawa, Kazuhiko; Miyake, Takanori; Hironaka, Toshio; and Tsutsumi, Yukihiro, 4,849,560, Cl. 570-208.000.
- Tsutsumi, Yukio: *See—*
  - Ishii, Keiichi; Tsutsumi, Yukio; Saeki, Kazunori; and Koyama, Mitsuji, 4,851,263, Cl. 427-240.000.
- Tsuya, Yoshimi: *See—*
  - Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
- Tsuya, Yuko: *See—*
  - Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.
- Tsuyama, Kouichi: *See—*
  - Nakayama, Hajime; Tsuyama, Kouichi; and Okamura, Toshiro, 4,859,505, Cl. 427-305.000.
- Tsuyama, Manabu: *See—*
  - Maehara, Masanori; Kumagai, Takao; Yoshida, Shuji; and Tsuyama, Manabu, 4,870,517, Cl. 360-96.500.
- Tsuyama, Osamu, to Ichikoh Industries Ltd. Door mirror. 4,809,561, 3-7-89, Cl. 74-502.100.
- Tsuyoshi, Nagata; Katsuto, Fujita; and Shinji, Okuda, to Sunstar Engineering Inc. Method of checking the workmanship of paint coating. 4,843,874, 7-4-89, Cl. 73-150.00R.
- Tsuyoshi, Nagata; and Katsuto, Fujita, to Sunstar Engineering Inc. Paint-coating brush. 4,881,289, 11-21-89, Cl. 15-168.000.
- Tsuyoshi, Toshiaki; and Mada, Takeshi, to Hitachi, Ltd. Method and apparatus for beam-track alignment in optical disk apparatus. 4,796,246, 1-3-89, Cl. 369-44.000.
- Tsuyoshi, Toshiaki; Ohtake, Masatoshi; Takasugi, Wasao; and Yonezawa, Seiji, to Hitachi, Ltd. Light spot position control system and method by sampled servo. 4,872,152, 10-3-89, Cl. 369-44.000.
- Tsuyoshi, Toshiaki: *See—*
  - Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
  - Takasugi, Wasao; Yonezawa, Seiji; Tsuyoshi, Toshiaki; and Ohtake, Masatoshi, 4,847,822, Cl. 369-44.000.
- Tsuyuguchi, Hirohumi: *See—*
  - Kamata, Akira; Kubo, Yoshiyuki; Umemura, Yasuo; and Tsuyuguchi, Hirohumi, 4,821,555, Cl. 72-391.000.
- Tsuyuguchi, Hiroshi; and Enami, Katsuya, to Teac Corporation. Circuit arrangement for the determination of the constant speed rotation of a disklike record medium. 4,809,119, 2-28-89, Cl. 360-73.000.
- Tsuyuguchi, Hiroshi, to Teac Corporation. Power-saving read/write circuit for apparatus for digital data transfer with a magnetic disk. 4,816,934, 3-28-89, Cl. 360-62.000.
- Tsuyuguchi, Hiroshi: *See—*
  - Enami, Katsuya; and Tsuyuguchi, Hiroshi, 4,870,514, Cl. 360-61.000.
- Tsuyuki, Isao, to Fuji Photo Film Co., Ltd. Apparatus for precisely measuring and supplying liquid. 4,796,787, 1-10-89, Cl. 222-64.000.
- Tsuyuki, Larry: *See—*
  - Saferstein, Albert; Spector, Gilbert; and Tsuyuki, Larry, 4,819,6 Cl. 132-156.000.
- Tsuyuki, Mikio: *See—*
  - Seto, Izumi; Tsuyuki, Mikio; and Takashima, Yutaka, 4,878,799, Cl. 414-331.000.
  - Takashima, Yutaka; Tsuyuki, Mikio; and Seto, Izumi, 4,811,546, Cl. 53-266.00R.
- Tsuyuki, Shinzi, to Tokyo Electric Co., Ltd. Technique for improving the wear resistance of a wire matrix printing head. 4,812,061, 3-14-89, Cl. 400-124.000.
- Tsuyuki, Yasuo: *See—*
  - Suzuki, Haruo; and Tsuyuki, Yasuo, 4,862,787, Cl. 91-369.200.
- Tsuyumoto, Michio: *See—*
  - Karakane, Hiroki; Maeda, Yasushi; and Tsuyumoto, Michio, 4,871,461, Cl. 210-638.000.
- Tsuzuki, Isao: *See—*
  - Ikeda, Hayato; Tsuzuki, Isao; and Ohta, Kazuhiro, 4,813,852, Cl. 417-269.000.
- Tsuzuki, Kazuo; Yoshida, Yoshinori; Ishizuka, Toshio; and Anezaki, Mitsugu, to NEC Corporation. Packet switching system. 4,827,47 5-2-89, Cl. 370-60.000.
- Tsuzuki, Kunimasa: *See—*
  - Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829, Cl. 156-251.000.
- Tsuzuki, Mitsuo; and Suga, Michihisa, to NEC Corporation. On demand type ink-jet print head having fluid control means. 4,882,59 11-21-89, Cl. 346-140.00R.
- Tsuzuki, Naoyuki: *See—*
  - Takahashi, Takeshi; Tsuzuki, Naoyuki; Nohira, Hidetaka; Omori, Yukimitsu; and Takamura, Akio, 4,798,084, Cl. 73-119.00A.
  - Takahashi, Takeshi; Tsuzuki, Naoyuki; Omori, Yukimitsu; and Takamura, Akio, 4,858,466, Cl. 73-119.00A.
- Tsuzuki, Nobuyori: *See—*
  - Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,808,551, Cl. 437-81.000.
  - Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,848,273, Cl. 118-729.000.
- Tsuzuki, Norihisa: *See—*
  - Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
- Tsuzuki, Ryuji: *See—*
  - Mase, Toshiyasu; Tsuzuki, Ryuji; Hara, Hiromu; Murase, Kiyoshi; and Tomioka, Kenichi, 4,803,211, Cl. 514-361.000.
  - Tanaka, Akihiro; Fujikura, Takashi; Tsuzuki, Ryuji; Yokota, Masaki; and Yatsu, Takeyuki, 4,876,261, Cl. 514-307.000.
- Tsuzuki, Takoyoshi; Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, to Aisin Seiki Kabushiki Kaisha. Variable resistor. 4,864,273, 9-5-89, Cl. 338-174.000.

- Tsuzuki, Yoshihiko: *See—*
  - Haseda, Satoshi; Tsuzuki, Yoshihiko; Konishi, Yoshimune; and Suzuki, Motoshi, 4,836,319, Cl. 180-142.000.
- Tsuzuki, Yukio; and Yamaoka, Masami, to Nippondenso Co., Ltd. Method of manufacturing a DMOS. 4,879,254, 11-7-89, Cl. 437-41.000.
- Tsuzuku, Susumu: *See—*
  - Nishitani, Eisuke; Tsuzuku, Susumu; Nakatani, Mitsuo; Maehara, Masaaki; Horiuchi, Mitsuaki; and Mizukami, Koichiro, 4,830,891, Cl. 427-253.000.
- Tsuzurahara, Mamoru, to Hitachi, Ltd. Filter apparatus for a magnetron. 4,797,596, 1-10-89, Cl. 315-5.130.
- Tsuzurahara, Mamoru, to Hitachi, Ltd. Through-type capacitor. 4,853,824, 8-1-89, Cl. 361-302.000.
- Tsuzurahara, Mamoru, to Hitachi, Ltd. Through-type capacitor with improved anti-tracking performance. 4,872,085, 10-3-89, Cl. 361-302.000.
- Tswei, Tsz-Gang: *See—*
  - Yuan, Chii-Yah; Tswei, Tsz-Gang; Lee, Chang-Franw; Wei, Wu-Yaw; Lin, Ching-Hwa; and Chen, Wen-Kuang, 4,848,618, Cl. 220-1.500.
- Tsygankov, Anatoly S.; Kovalev, Igor N.; Voskresensky, Igor V.; Evstafieva, Ellen A.; and Rozhkov, Anatoly I. Bicycle wheel. 4,844,552, 7-4-89, Cl. 301-63.0DD.
- TTK Kermarx Corporation: *See—*
  - Erlichman, Max, 4,865,890, Cl. 428-35.100.
- Tu, Charles W.: *See—*
  - Johnston, Wilbur D., Jr.; and Tu, Charles W., 4,870,032, Cl. 437-84.000.
  - Johnston, Wilbur D., Jr.; and Tu, Charles W., 4,878,956, Cl. 148-33.300.
- Tu, Chen-Hua. Unitary mold for making ice sculpture. 4,807,844, 2-28-89, Cl. 249-78.000.
- Tu, Chin-Wang: *See—*
  - Snyder, Wayne L.; DeFevere, Dennis C.; Steranka, Frank M.; and Tu, Chin-Wang, 4,864,369, Cl. 357-17.000.
- Tu, Ho C. Combination blood sampling and intravenous infusion apparatus and method. 4,865,583, 9-12-89, Cl. 604-53.000.
- Tu, Jan-I: *See—*
  - DiPietro, Richard A.; Tu, Jan-I; and Turabi, Noor Z., 4,857,522, Cl. 514-212.000.
- Tu, Jerome C.: *See—*
  - Gordon, David; Akselrod, Solange; Cohen, Richard J.; Tu, Jerome C.; Burns, Stephen K.; and DeLeon, Victoria H., 4,862,361, Cl. 364-413.060.
- Tu, King-Ning: *See—*
  - Psaras, Peter A.; Tu, King-Ning; and Thompson, Richard D., 4,803,539, Cl. 357-67.000.
- Tu, Ming L. Quantitative feeding device. 4,860,930, 8-29-89, Cl. 222-231.000.
- Tu, Minh Q.: *See—*
  - Hallenbeck, Richard A.; and Tu, Minh Q., 4,829,222, Cl. 318-696.000.
- Tu, Roger; and Mathewson, Wilfred F., to Baxter International Inc. Heterogeneous elastomeric compositions containing a fluoroelastomer and PTFE and methods for manufacturing said compositions. 4,882,113, 11-21-89, Cl. 264-127.000.
- Tu, Roger H.; and Wang, Edwin, to Baxter International Inc. Multi-layered poly(tetrafluoroethylene)/elastomer materials useful for in vivo implantation. 4,816,339, 3-28-89, Cl. 428-421.000.
- Tu, Xuan M.; and Taghezout, Daho, to Asulab S.A. Mechanical-to-electrical energy converter. 4,799,003, 1-17-89, Cl. 322-29.000.
- Tu, Yue-Tung; Rosenblum, Martin P.; and English, Elliot V., to Southwall Technologies. High resistivity chromium silicide films. 4,846,949, 7-11-89, Cl. 204-192.210.
- Tua Espallargas, Antonio, to Fabricacion De Herramientas Y. Utensilios, S.A. Machine cutter. 4,880,337, 11-14-89, Cl. 407-40.000.
- Tuan, Hsing C., to Xerox Corporation. Electrostatic discharge protection network for large area transducer arrays. 4,803,536, 2-7-89, Cl. 357-23.130.
- Tuan, James: *See—*
  - Katz, Leonard; Tuan, James; and McAlpine, James B., 4,874,748, Cl. 514-29.000.
- Tuazon, Jesus O.: *See—*
  - Peterson, John C.; Tuazon, Jesus O.; Lieberman, Don; and Pniel, Moshe, 4,814,980, Cl. 364-200.000.
- Tub-Master Corporation: *See—*
  - Roberts, Joseph W.; Roberts, John C.; and MacLeod, Gordon, 4,823,525, Cl. 52-200.000.
- Tubaki, Kazuharu: *See—*
  - Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwatari, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, 4,800,661, Cl. 38-93.000.
- Tubaro, Ezio; and Cavallo, Giovanni, to Burroughs Wellcome Co. Ganglioside derivatives. 4,831,021, 5-16-89, Cl. 514-54.000.
- Tubauto: *See—*
  - Caillol, Andre, 4,887,863, Cl. 297-362.000.
- Tubbs, Arthur E., Jr. High energy return seawall. 4,856,933, 8-15-89, Cl. 405-30.000.
- Tubbs, Duane G., to Qualcomm, Inc. Pillbox antenna and antenna assembly. 4,876,554, 10-24-89, Cl. 343-780.000.
- Tubbs, Henry, to Rolls-Royce plc. Variable guide vane arrangement for a compressor. 4,867,635, 9-19-89, Cl. 415-159.000.
- Tubemakers of Australia Limited: *See—*
  - Stone, Jeffrey V., 4,813,910, Cl. 464-162.000.
- Tuboi, Naruyoshi: *See—*
  - Doke, Hiroshi; Tuboi, Naruyoshi; Sasaki, Yoshihisa; and Ozawa, Shigeo, 4,795,025, Cl. 198-763.000.
- Tuboscope Inc.: *See—*
  - Kessler, Newlin W.; and Willis, Ray D., 4,856,828, Cl. 285-334.100.
  - Rushing, Larry D.; and McFadden, Douglas W., 4,827,680, Cl. 51-439.000.
  - Weems, Craig C., 4,835,873, Cl. 33-21.300.
- Tuburaya, Yoshitane: *See—*
  - Sugiyama, Toshinori; Ikegaki, Tetsurou; Shimizu, Mitsuru; and Tuburaya, Yoshitane, 4,876,133, Cl. 428-64.000.
- Tucci, Mario A.; and Sutherland, George K., to Aqua-Tronics, Inc. Water treatment regeneration system incorporating alternating current excitation and paired operational amplifiers with asymmetrical feedback elements. 4,847,598, 7-11-89, Cl. 340-603.000.
- Tucci, Raymond J. Printed bleeding madras. 4,822,376, 4-18-89, Cl. 8-478.000.
- Tuchida, Yoichi: *See—*
  - Murakami, Azuma; Hagiwara, Teruyoshi; Tuchida, Yoichi; and Johno, Hideki, 4,848,496, Cl. 178-19.000.
- Tuchiya, Takanori: *See—*
  - Fukutomi, Hisao; Tuchiya, Takanori; Yamamoto, Takeshi; Konishi, Takeshi; and Hamasaki, Iseo, 4,796,943, Cl. 296-65.100.
- Tuck, Brian C.: *See—*
  - Atkins, Thomas M.; Tuck, Brian C.; Fuller, Edward N.; and Every, Peter, 4,865,399, Cl. 303-116.000.
- Tucker, Andrew J.: *See—*
  - Wyatt, Mark L.; and Tucker, Andrew J. 4,813,486, Cl. 166-118.000.
- Tucker, Brian D., to Gould Electronics Limited. Method and apparatus for the generation of mixed REFRESH and ROLL mode display in a CRT. 4,837,561, 6-6-89, Cl. 340-722.000.
- Tucker, Council A.: *See—*
  - Gains, Oliver B.; Perrin, Jack L.; and Tucker, Council A., 4,807,824, Cl. 242-55.300.
- Tucker, Dalton R. Drinking container holder. 4,889,302, 12-26-89, Cl. 248-146.000.
- Tucker, Daniel A., to AM International Incorporated. Mechanical double caliper. 4,826,149, 5-2-89, Cl. 271-263.000.
- Tucker, Daniel G., to Truth Incorporated. Window operator. 4,840,075, 6-20-89, Cl. 74-89.140.
- Tucker, David S. B. Loading die for ammunition. 4,869,148, 9-26-89, Cl. 86-43.000.
- Tucker, Francis D., III: *See—*
  - Chadwick, Curt H.; Sholes, Robert R.; Greene, John D.; Tucker, Francis D., III; Fein, Michael E.; Jann, P. C.; Harvey, David J.; and Bell, William, 4,877,326, Cl. 356-394.000.
- Tucker, Frank D.; and Nunley, Leonard, to Light Signatures, Inc. Document authentication method. 4,807,287, 2-21-89, Cl. 380-23.000.
- Tucker, Frank D.: *See—*
  - Gold, David G.; and Tucker, Frank D., 4,806,740, Cl. 235-449.000.
- Tucker, Herbert D.: *See—*
  - Nieboer, Keith A.; and Tucker, Herbert D., 4,861,540, Cl. 264-263.000.
- Tucker, Howard, to Imperial Chemical Industries PLC. Acyanilide derivatives. 4,880,839, 11-14-89, Cl. 514-613.000.
- Tucker, Howard: *See—*
  - Hughes, Leslie R.; and Tucker, Howard, 4,845,119, Cl. 514-450.000.
  - Hughes, Leslie R.; Oldfield, John; and Tucker, Howard, 4,873,329, Cl. 544-265.000.
- Tucker, James E., to Weber-Stephen Products Co. Squirrel-proof birdfeeder. 4,821,681, 4-18-89, Cl. 119-51.00R.
- Tucker, James L.; Yano, Takatoshi; and Turknett, Roy L. Cooking apparatus ventilation system. 4,821,704, 4-18-89, Cl. 126-299.00D.
- Tucker, James L.; Yano, Takatoshi; and Turknett, Roy L. Cooking apparatus ventilation system with recycling air flow. 4,846,146, 7-11-89, Cl. 126-299.00D.
- Tucker, Michael A. Fishing lure. 4,823,502, 4-25-89, Cl. 43-42.370.
- Tucker, Mit S.: *See—*
  - Gens, Theodore A.; Tucker, Mit S.; and Grob, John J., 4,844,881, Cl. 423-574.00R.
- Tucker, Richard E. Drywall tape with plastic bead. 4,863,774, 9-5-89, Cl. 428-77.000.
- Tucker, Richard O.; and Rierson, Richard D., Jr., to Hoechst Celanese Corporation. Method and apparatus for dispersing liquids or melts. 4,828,178, 5-9-89, Cl. 239-223.000.
- Tucker, Robert C.: *See—*
  - Rogers, Kermett A.; Tucker, Robert C.; and Iyer, Mani, 4,823,568, Cl. 70-58.000.
- Tucker, Robert C., Jr.: *See—*
  - Fukubayashi, Harold H.; Tsushima, Kenichi; Tucker, Robert C., Jr.; and Taylor, Thomas A., 4,822,689, Cl. 428-472.000.
- Tucker, Robert E. Sterilizer unit for fluid media and process. 4,798,702, 1-17-89, Cl. 422-24.000.
- Tucker, Robert L.; and Staller, Joseph M., to Motorola Inc. Semiconductor pressure sensor means and method. 4,889,590, 12-26-89, Cl. 156-647.000.
- Tucker, Scott D.: *See—*
  - Graf, Raymond J.; and Tucker, Scott D., 4,819,467, Cl. 72-8.000.
- Tucker, Terry L.: *See—*
  - Hemsky, Robert L.; and Tucker, Terry L., 4,839,718, Cl. 358-22.000.
  - Orsburn, Michael L.; Hemsky, Robert L.; Tucker, Terry L.; Schwarz, Robert E.; and Fearing, Craig F., 4,876,589, Cl. 358-22.000.

Tucker, Thomas: *See—*
Spada, Alfred P.; Studt, William L.; Campbell, Henry F.; Kuhla, Donald E.; and Tucker, Thomas, 4,866,074, Cl. 514-300.000.

Tucker, Wilson H. Clip applicator and spreadable clips for use therein. 4,796,627, 1-10-89, Cl. 128-337.000.

Tuckerman, David B., to United States of America, Energy. Planarization of metal films for multilevel interconnects. 4,814,578, 3-21-89, Cl. 219-121.650.

Tuckey, Charles H., to Walbro Corporation. Quick disconnect pulse modulation sleeve. 4,795,320, 1-3-89, Cl. 417-360.000.

Tuckey, Charles H., to Walbro Corporation. Reserve fuel shut-off valve. 4,807,582, 2-28-89, Cl. 123-514.000.

Tuckey, Charles H., to Walbro Corporation. Self-contained rotary fuel pump. 4,820,139, 4-11-89, Cl. 418-135.000.

Tuckey, Charles H., to Walbro Corporation. Motor-driven material level indicator. 4,827,768, 5-9-89, Cl. 73-290.00R.

Tuckey, Charles H., to Walbro Corporation. In-tank fuel reservoir with reservoir fuel level control. 4,831,990, 5-23-89, Cl. 123-514.000.

Tuckey, Charles H., to Walbro Corporation. In-tank fuel reservoir with fuel vapor separation. 4,878,518, 11-7-89, Cl. 137-448.000.

Tuckey, Charles H., to Walbro Corporation. In-tank fuel reservoir with fuel vapor separation. 4,878,816, 11-7-89, Cl. 417-76.000.

Tuckey, Charles H., to Walbro Corporation. Motor-driven material level indicator. 4,884,444, 12-5-89, Cl. 73-290.00R.

Tuckey, Robert W., Jr. Bulk sampler tool. 4,887,413, 12-19-89, Cl. 53-520.000.

Tuckowski, Thomas J.: *See—*
Patel, Nathalal G.; Tuckowski, Thomas J.; and Herrmann, Raymond J., 4,834,413, Cl. 280-304.100.

Tuckwood, Denis W., to Pressac Limited. Printed circuit connector with spark gap for discharging excess voltage. 4,828,506, 5-9-89, Cl. 439-181.000.

Tuckwood, Denis W., to Pressac Limited. Electrical connector for a printed circuit. 4,854,883, 8-8-89, Cl. 439-84.000.

Tucoulat, Marcel: *See—*
Matteodo, Jean B.; Tucoulat, Marcel; and Pascal-Mousselard, Michel, 4,869,841, Cl. 252-79.000.

Tuczek, Franz. Level and inclination regulation for a vehicle. 4,815,751, 3-28-89, Cl. 280-840.000.

Tudos nee Feuer, Helga: *See—*
Szabolcs nee Borbas, Anna; Otvos, Laszlo ; Sagi, Janos; Tudos nee Feuer, Helga; Szemzo , Attila; Veres, Zsuzsa; Szinai, Istvan; Vajda, Miklos; Csernus, Istvan; Marossy, Katalin; Jancso , Sandor; Medgyesi nee Lukacs, Eva; and Bacsa, Gyorgy, 4,880,785, Cl. 514-50.000.

Tuenge, Richard T.: *See—*
Barrow, William A.; and Tuenge, Richard T., 4,801,844, Cl. 313-509.000.

Tuerk, Erich: *See—*
Buecheler, Herbert; Capune, Thomas; Holdt, Bernd-Dieter; Menke, Ronald; and Tuerk, Erich, 4,813,084, Cl. 4-231.000.

Tuerk, Wolfgang: *See—*
Rentzea, Costin; Sauter, Hubert; Tuerk, Wolfgang; Wenderoth, Bernd; Richarz, Winfried; Jung, Johann; and Rademacher, Wilhelm, 4,822,400, Cl. 71-76.000.

Tufano, Thomas P., to Du Pont de Nemours, E. I., and Company. Process for the preparation of octahedral silver chloride-containing emulsions. 4,801,523, 1-31-89, Cl. 430-589.000.

Tufano, Thomas P.; and Chan, Dominic M., to Du Pont de Nemours, E. I., and Company. Process for the preparation of tabular silver chloride emulsions using a grain growth modifier. 4,804,621, 2-14-89, Cl. 430-567.000.

Tuff Spun Products, Inc.: *See—*
Sabee, Reinhardt N., 4,834,741, Cl. 604-385.200.

Tuftco Corporation: *See—*
Magourik, Ray O. V., 4,817,541, Cl. 112-80.600.
Morgante, Michael R.; Guzewich, Gregory J.; Kowal, Henry J.; La Mendola, Christopher; and Stanfield, Randall E., 4,829,917, Cl. 112-80.410.
Watkins, Charles W., 4,800,828, Cl. 112-80.410.
Watkins, Charles W., 4,840,133, Cl. 112-80.300.
Watkins, Charles W., 4,841,886, Cl. 112-80.300.
Watkins, Charles W., 4,864,946, Cl. 112-80.730.

Tufte, Obert N.: *See—*
Abrokwah, Jonathan K.; Cirillo, Nicholas C., Jr.; Shur, Michael S.; and Tufte, Obert N., 4,814,851, Cl. 357-42.000.

Tufting and Textile Systems Limited: *See—*
Ward, Gerald F.; and Beckett, Allan, 4,860,673, Cl. 112-80.400.

Tufts College, Trustees of: *See—*
Robbat, Jr. Albert; and Corso, Nicholas P., 4,801,430, Cl. 422-52.000.
Sonnenschein, Carlos; and Soto, Ana M., 4,859,585, Cl. 435-29.000.
Walt, David R., 4,822,746, Cl. 436-528.000.

Tufts College, Tufts University, Trustees of: *See—*
Levy, Stuart B., 4,806,529, Cl. 514-154.000.

Tufts, Robert J.: *See—*
Brotea, Paul A.; and Tufts, Robert J., 4,795,556, Cl. 210-172.000.

Tufts, Timothy A., to Ashland Oil, Inc. Storage stable blend comprising a long chain polyol, a short chain diol and a urethane. 4,839,087, 6-13-89, Cl. 252-182.270.

Tufts, Timothy A.; Borgnaes, Dan; Culbertson, Billy M.; and Wilkinson, Theodore C., to Ashland Oil, Inc. Thermoset resinous molding compositions. 4,855,368, 8-8-89, Cl. 525-454.000.

Tufts, Timothy A.; Bock, Robert S.; and Moss, Christopher T., to Ashland Oil, Inc. Thermoset molding compositions catalyzed by 1,4-benzoquinone salts of 1,8-diaza-bicyclo(5.4.0)undec-7-ene. 4,880,846, 11-14-89, Cl. 521-129.000.

Tufts, Timothy A.: *See—*
Moss, Christopher T.; Tufts, Timothy A.; and Bock, Robert S., 4,880,845, Cl. 521-114.000.

Tufts University: *See—*
Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,832,463, Cl. 350-357.000.
Goldner, Ronald B.; Haas, Terry; Wong, Kwok-Keung; and Seward, George, 4,876,628, Cl. 361-313.000.
Kenny, Jonathan E.; and Woudenberg, Timothy, 4,834,288, Cl. 239-99.000.

Tugal, Halil, to Helix Technology Corporation. Cryopump with vibration isolation. 4,833,899, 5-30-89, Cl. 62-55.500.

Tugal, Halil; and Gaudet, Peter W., to Helix Technology Corporation. Flex-line vibration isolator and cryopump with vibration isolation. 4,835,972, 6-6-89, Cl. 62-50.100.

Tugal, Halil; and Bent, Bruce R., to Helix Technology Corporation. Cryopump with vibration isolation. 4,862,697, 9-5-89, Cl. 62-55.500.

Tuggle, Lloyd H.; and Sadler, Jeffery G., to White Consolidated Industries, Inc. Portable rotary power tool. 4,841,929, 6-27-89, Cl. 123-198.00E.

Tugui, Hiedji: *See—*
Iwakiri, Norio; Bingo, Hideyuki; and Tugui, Hiedji, 4,845,322, Cl. 200-81.00R.

Tugwood, Edward, to Schering Corporation. Fluid dispenser. 4,865,230, 9-12-89, Cl. 222-383.000.

Tuhey, William, Jr., to Lynmour, Ltd. Window shade roller bracket and assembly including the same. 4,834,164, 5-30-89, Cl. 160-319.000.

Tuhkanen, Erkki T. Suspension device for document storing tube. 4,848,715, 7-18-89, Cl. 248-317.000.

Tuhkanen, Raimo; Grasten, Markku; and Westergard, Sivert, to Oy Wartsila Ab. Coater. 4,822,640, 4-18-89, Cl. 427-211.000.

Tuhkanen, Tapio, to Office Plus. Combined visiting card and brochure. 4,838,580, 6-13-89, Cl. 283-56.000.

Tuhtan, Michael J.: *See—*
Everett, James E.; and Tuhtan, Michael J., 4,833,998, Cl. 108-36.000.

TUI Industries: *See—*
Sulzberger, Kevin J., 4,858,681, Cl. 165-70.000.
Sulzberger, Kevin J., 4,870,734, Cl. 29-157.30R.
Sulzberger, Kevin J., 4,871,014, Cl. 165-76.000.

Tuider, Wolfgang: *See—*
Fischer, Karl; Kock, Werner; and Tuider, Wolfgang, 4,858,051, Cl. 360-137.000.

Tuji, Kiyoaki: *See—*
Sugisawa, Ko; Sekiguchi, Kazuya; Tuji, Kiyoaki; and Ot[illegible] Akinobu, 4,861,559, Cl. 422-110.000.

Tujikawa, Masanori: *See—*
Hamashima, Yoshio; Minami, Kyoji; Kawata, Kyozo; Sakamoto, Teruo; Takeda, Toyohiko; Suzuki, Yusuke; and Tujikawa, Masanori, 4,812,561, Cl. 540-222.000.

Tujimura, Kiyoharu; Akebe, Osamu; and Satoh, Kiyoshi, to STEC Inc. Thermal flow meter. 4,815,280, 3-28-89, Cl. 73-204.120.

Tukahara, Tadayuki: *See—*
Ito, Yukihiro; Imaizumi, Takeshi; Tukahara, Tadayuki; and Miyamoto, Yoshimi, 4,808,841, Cl. 307-11.000.

Tukamoto, Hirosi: *See—*
Kato, Yoji; Minai, Osamu; Tukamoto, Hirosi; Hagiwara, Takashi; and Kosaka, Katsuji, 4,881,018, Cl. 318-9.000.

Tuke, Michael A., to Finsbury (Instruments) Limited. Acetabular 4,851,006, 7-25-89, Cl. 623-22.000.

Tulenko, Dennis M.: *See—*
Sandell, Michael A.; and Tulenko, Dennis M., 4,846,402, Cl. 239-9.000.

Tulenko, William. Table-chest. 4,859,009, 8-22-89, Cl. 312-277.000.

Tuley, Eugene N.: *See—*
Maclin, Harvey M.; Lenahan, Dean T.; and Tuley, Eugene N., 4,807,433, Cl. 60-39.290.

Tull, Richard H., to MGM Petro Equipment & Enviro Services, Inc. Spill protecting apparatus. 4,877,155, 10-31-89 Cl. 222-108.000.

Tulley, Jack M. Swivel seat. 4,846,529, 7-11-89, Cl. 297-349.000.

Tullis, Barclay J.; and Baer, Richard G., to Hewlett-Packard Company. Hot chuck assembly for integrated circuit wafers. 4,872,835, 10-10-89, Cl. 432-225.000.

Tullis, Barclay J.; Bailey, John S.; Gunawardena, D. R.; and Kaempf, Ulrich, to Hewlett-Packard Company. Method for automated cassette handling. 4,875,825, 10-24-89, Cl. 414-786.000.

Tullman, Robert; and Tullman, Stephen. Variable volume container. 4,881,666, 11-21-89, Cl. 222-386.500.

Tullman, Stephen: *See—*
Tullman, Robert; and Tullman, Stephen, 4,881,666, Cl. 222-386.500.

Tulloch, Rory: *See—*
Forrest, John; Stewart, William, and Tulloch, Rory, 4,796,704, Cl. 166-317.000.
Forrest, John; Tulloch, Rory; and Stewart, William, 4,844,179, Cl. 175-92.000.

Tulloch, William: *See—*
Anderson, John N.; Marshall, Edward C.; Stoney, Arthur; Tulloch, William; and Duke, Paul L., 4,813,723, Cl. 292-336.300.

Tullos, Hugh S.: *See—*
Noble, Phillip C.; and Tullos, Hugh S., 4,881,536, Cl. 606-94.000.

Tullos, Michael V.: *See—*
Rush, Hughey A.; Hibbard, Billy B.; Pursoo, Johnson L.; Lindsay, John W.; Smith, Thomas E.; Harper, Kenneth; Tullos, Michael V.; and Davis, James E., 4,886,706, Cl. 428-288.000.

Tullsen, Thomas R., to Dionex Corporation. Bipolar voltage to frequency converter. 4,839,788, 6-13-89, Cl. 363-63.000.

Tully, Clay E.; and Perry, Seth D., to Yale Security Inc. Door closer having arm/slide track connection. 4,837,890, 6-13-89, Cl. 16-71.000.

Tully, John W., to Northrop Corporation. Aluminum liftoff masking process and product. 4,818,712, 4-4-89, Cl. 437-26.000.

Tully, John W.; O'Brien, Benedict B.; Hant, William; and Hu, King L., to Northrop Corporation. Planar bipolar transistors including heterojunction transistors and method. 4,839,303, 6-13-89, Cl. 437-31.000.

Tully, Michael: *See—*
Roggenburg, Stanley L.; Laauwe, Robert H.; Polite, John L.; and Tully, Michael, 4,823,990, Cl. 222-207.000.

Tully, Wilfred R.: *See—*
Fenske, Dankwart C.; Kuo, Elizabeth A.; and Tully, Wilfred R., 4,810,828, Cl. 514-398.000.

Tully, William; Vernon, Nicholas M.; and Walsh, Peter A., to McNeilab, Inc. Process for the preparation of 1,6-dichloro-1,6-dideoxy-β-D-fructofuranosyl-4-chloro-4-deoxy-α-galactopyranoside. 4,801,700, 1-31-89, Cl. 536-125.000.

Tulman, Stanley, to Willard Industries, Inc. Tin base lead-free solder composition containing bismuth, silver and antimony. 4,806,309, 2-21-89, Cl. 420-562.000.

Tulp, Martinus T. M.: *See—*
Van Wijngaarden, Ineke; Kruse, Cornelis; Van Der Heyden, Johannes A. M.; and Tulp, Martinus T. M., 4,874,770, Cl. 514-326.000.

Tulsa Power Products, Inc.: *See—*
Spillar, Robert J., 4,838,595, Cl. 294-90.000.

Tults, Juri, to RCA Licensing Corporation. Television tuning system with provisions for tuning RF signals with scrambled video information. 4,823,387, 4-18-89, Cl. 380-13.000.

Tults, Juri; Testin, William J.; and Rumreich, Mark F., to RCA Licensing Corporation. Tuning system with provisions for calculating the local oscillator frequency from an aft characteristic. 4,868,892, 9-19-89, Cl. 455-182.000.

Tum, Chan-lin. Timely, quantitative and automatic feeding machine. 4,834,025, 5-30-89, Cl. 119-51.500.

Tuma, Martin, to ITM Industrial Technology & Machines AG. Firearm. 4,843,748, 7-4-89, Cl. 42-70.080.

Tuma, Martin, to ITM Industrial Technology & Machines AG. Magazine for firearms. 4,876,813, 10-31-89, Cl. 42-50.000.

Tumblin, John E.: *See—*
Blanton, Keith A.; and Tumblin, John E., 4,807,158, Cl. 364-521.000.
Blanton, Keith A.; Finlay, William M.; Sinclair, Michael J.; and Tumblin, John E., 4,873,585, Cl. 358-335.000.

Tumey, Michael L.; Bange, Donna W.; and Robbins, Aida F., to Minnesota Mining and Manufacturing Company. Method of preparing coated abrasive having radiation curable binder. 4,836,832, 6-6-89, Cl. 51-293.000.

Tumiatti, Wander; Nobile, Gilberto; and Tundo, Pietro, to Sea Marconi Technologies S.p.A. Immobilized reagent for the decontamination of halogenated organic compounds. 4,839,042, 6-13-89, Cl. 210-194.000.

Tumlinson, James H., III: *See—*
Chuman, Tatsuji; Guss, Paul L., deceased; Doolittle, Robert E.; McLaughlin, John R.; and Tumlinson, James H., III, 4,871,537, Cl. 424-84.000.

Tumminelli, Richard P.: *See—*
Mansfield, Robert J.; McCollum, Bill C.; and Tumminelli, Richard P., 4,826,288, Cl. 350-320.000.
Snitzer, Elias; Po, Hong; Tumminelli, Richard P.; and Hakimi, Farhad, 4,815,079, Cl. 372-6.000.
Snitzer, Elias; and Tumminelli, Richard P., 4,848,998, Cl. 65-3.110.

Tump, Ronald S., to Moksnes Manufacturing Co., Inc. Loss-in-weight feeder system. 4,882,784, 11-21-89, Cl. 364-567.000.

Tundik, Ferenc: *See—*
Szepesy, Istvan; Tundik, Ferenc; Gyurk, Istvan; and nee Kiss, Ibolya S., 4,817,333, Cl. 47-58.000.

Tundo, Pietro: *See—*
Tumiatti, Wander; Nobile, Gilberto; and Tundo, Pietro, 4,839,042, Cl. 210-194.000.

Tunekawa, Shouji; Yamada, Wazoh; Hara, Yoshitaka; and Suzuki, Fujio, to Sanyo Electric Co., Ltd. Wall mounted air conditioner with dischargers in separate rooms. 4,854,376, 8-8-89, Cl. 165-54.000.

Tuneki, Hideaki: *See—*
Shimazaki, Yuuji; Tuneki, Hideaki; Hino, Youichi; Yano, Hitoshi; and Ueshima, Michio, 4,833,248, Cl. 546-184.000.
Shimazaki, Yuuji; Ueshima, Michio; Tuneki, Hideaki; and Ariyoshi, Kimio, 4,841,061, Cl. 546-184.000.

Tunell, Lars-Erik: *See—*
Mattsson, Michael; and Tunell, Lars-Erik, 4,832,136, Cl. 175-57.000.

Tung, Albert E.: *See—*
Kennedy, Eugene D.; McAlister, Donald R.; and Tung, Albert E., 4,[illegible]8,257, Cl. 55-97.000.

Tung, Charles Cheng-Yuan, to Hewlett-Packard Company. Piece-wise print image enhancement for dot matrix printers. 4,847,641, 7-11-89, Cl. 346-154.000.

Tung-Chow, Siu. Packing and storing device for a flexible cover of a road vehicle. 4,834,446, 5-30-89, Cl. 296-136.000.

Tung Ho Industry Co., Ltd.: *See—*
Su, Tseng, 4,825,888, Cl. 135-22.000.

Tung, Hung-Ying, to 3 W Industry Inc. Electric torch with flexible casing. 4,868,724, 9-19-89, Cl. 362-189.000.

Tung, Lawrence Y., to Hydril Company, The. Lengthened tubular pin member nose for improving sealing integrity and bearing forces. 4,795,200, 1-3-89, Cl. 285-334.000.

Tung, Lawrence Y.: *See—*
Mott, Keith C.; Kirsch, Gary E.; Barringer, H. Paul; and Tung, Lawrence Y., 4,817,962, Cl. 277-1.000.

Tung, Lu H.: *See—*
Chau, C. C.; Im, Jang-hi; Raspor, Otto C.; and Tung, Lu H., 4,873,037, Cl. 264-49.000.

Tung, Lu Ho: *See—*
White, Jerry E.; Tung, Lu Ho; and Dehnke, Mary K., 4,851,454, Cl. 522-117.000.

Tung, Paul: *See—*
Fellmann, Jere D.; Saxton, Robert J.; and Tung, Paul, 4,861,921, Cl. 568-772.000.

Tung, Pham N., to Thomson-CSF. Active load type of current source and method of making it. 4,814,835, 3-21-89, Cl. 357-22.000.

Tung, Pham N., to Thompson Hybrides et Microondes. Microwave linear amplifier with very wide pass band. 4,881,046, 11-14-89, Cl. 330-277.000.

Tung, Po L. Stepless tilting device for umbrella. 4,878,509, 11-7-89, Cl. 135-20.00M.

Tung, Simon C.: *See—*
Wang, Su-Chee S.; and Tung, Simon C., 4,828,655, Cl. 204-38.100.

Tung, William C. T.; and Floyd, Merry E., to Goodyear Tire & Rubber Company, The. Modified polyethylene naphthalate. 4,798,883, 1-17-89, Cl. 528-272.000.

Tung, William C. T., to Goodyear Tire & Rubber Company, The. Wood-like polymeric composition. 4,833,174, 5-23-89, Cl. 521-81.000.

Tung, William C. T., to Goodyear Tire & Rubber Company, The. Copolyester adhesive containing hyroxymethyl benzoic acid. 4,835,205, 5-30-89, Cl. 524-361.000.

Tung, Yingsheng: *See—*
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Salgo, Tamas, 4,799,912, Cl. 445-26.000.

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Csanyi, Istvan; Csiszar, Janos; Feher, Laszla ; Losonczi, Zoltan; and Szabo, Gyorgy, 4,870,316, Cl. 313-113.000.
Szanto, Janos; Hollo , Sandor; Nyiri, Balazs; and Nagel, Ferenc, 4,843,266, Cl. 313-25.000.

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Schmidt, Helmut; Patzelt, Helmut; Tunker, Gerhard; and Scholze, Horst, 4,840,666, Cl. 106-14.050.

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Tunoda, Kikuo, to Ryobi Ltd. Bail arm turning mechanism for spinning reel. 4,884,762, 12-5-89, Cl. 242-236.000.

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Tunturipyora Oy: *See—*
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Tuomaala, Jorma A. K., to Teratoute Oy. Mounting of the circularly fitted inserted tooth of a circular saw. 4,885,968, 12-12-89, Cl. 83-843.000.

Tuominen, Francis W.; Swanson, Ronald R.; Mattison, Phillip L.; MacKay, Kenneth D.; and Glorvigen, Bradley W., to Henkel Corporation. Extraction of amino an acid from aqueous mixtures thereof. 4,886,888, 12-12-89, Cl. 548-497.000.

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Tupman, Thomas G., to Fry Reglet Corporation. Reveal molding and trim structure. 4,825,612, 5-2-89, Cl. 52-371.000.

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Tur, Wladimir, to Induchem AG. Cosmetic sunscreen product for the face and body. 4,844,884, 7-4-89, Cl. 424-59.000.

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Turak, Ali A.: *See—*
Janiak, Jerzy S.; Turak, Ali A.; Pawlak, Wanda; and Ignasiak, Boleslaw L., 4,854,940, Cl. 44-620.000.

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Turano, Rona. Thermoelectric aquarium cooling unit. 4,867,102, 9-19-89, Cl. 119-2.000.

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Antony, Kenneth C.; and Russo, Vincent J., 4,842,183, Cl. 228-119.000.
Shankar, Srinivasan; and Goward, George W., 4,837,389, Cl. 428-668.000.

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Proctor, Rudy R.; and Reinstein, Fred M., 4,858,830, Cl. 239-313.000.
Proctor, Rudy R.; and Reinstein, Fred M., 4,886,212, Cl. 239-315.000.

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Andrews, Anthony J.; and Hunt, Toby C., 4,882,562, Cl. 340-388.000.

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Olodort, Robert; Micalizzi, Charles; Cambruzzi, Louis; and Turchik, Randy, 4,875,174, Cl. 364-519.000.

Turchini, Luigi: *See—*
Garlisi, Salvatore; Turchini, Luigi; Albanini, Aurelio; and Fornara, Dario, 4,797,481, Cl. 536-116.000.

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Martin, Robert L.; Rajaratnam, M. Martha; and Turci, Pamela, 4,818,658, Cl. 430-156.000.

Turck, Donald C.: *See—*
Aasen, Robert K.; Turck, Donald C.; and Mathur, Anoop K., 4,802,100, Cl. 364-494.000.

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Federici, Franco; Pallozzi, Franco; Cozzi, Ennio: and Turco, Pietro, 4,873,307, Cl. 528-60.000.

Turconi, Marco: *See—*
Cavalleri, Bruno; Turconi, Marco; and Tamborini, Giovanni, 4,880,789, Cl. 514-183.000.

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Turk, Robert L.: *See—*
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Morrall, Robin A. A.; Turkington, T. K.; Gugel, Richard K.; and Rude, Sheldon V., 4,837,146, Cl. 435-34.000.

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Turley, R. Steven: *See—*
Steel, Duncan G.; and Turley, R. Steven, 4,797,552, Cl. 250-251.000.

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Ebeling, Wolfgang, 4,877,094, Cl. 175-170.000.

Turman, William C., to Filter Systems, Inc. Fuel oil filter assembly. 4,824,567, 4-25-89, Cl. 210-416.400.

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Gleason, Patrick J., 4,801,226, Cl. 409-244.000.

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Turnbull, Roy C., to General Motors Corporation. Separable door hinge for vehicle body. 4,881,298, 11-21-89, Cl. 16-266.000.

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Parker, Norman W.; Turnbull, William G.; and Robinson, William P., 4,818,872, Cl. 250-309.000.

Turnell, David C.; and Cooper, John D. H., to Coventry Health Authority. Sample preparation method for liquid chromatography. 4,837,157, 6-6-89, Cl. 436-20.000.

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Belanger, James A.; Wentworth, Robert J.; Turner, Barry S.; and Astley, Graham J., 4,882,826, Cl. 29-527.100.
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Turner, Charles B.: *See—*
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Turner, Clifford B.: *See—*
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Turner, Colin, to Flymo Limited. Earth leakage circuit breaker with plug actuated resetting breaker. 4,825,329, 4-25-89, Cl. 361-93.000.

Turner, David L. Hose clamp. 4,819,307, 4-11-89, Cl. 24-274.00R.

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Turner, Lanny. Random lotto marker. 4,875,411, 10-24-89, Cl. 101-333.000.

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Adams, John; Amoroso, Juan, Jr.; Axford, Paul; Bowles, Phil; Juha, Mike; Nguyen, Van; Preskitt, Charles; Ross, Ed; Thompson, Doug; and Turner, Paul, 4,809,308, Cl. 378-99.000.

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Jones, Philip E.; and Turner, Ralph E., Jr., 4,830,673, Cl. 106-487.000.

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Turner, Ronald F., to Lucas Industries Public Limited Company. Fuel injection nozzles. 4,856,714, 8-15-89, Cl. 239-533.900.
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  Waterbury, John B.; Calloway, Charles B.; and Turner, Ruth D., 4,861,721, Cl. 435-252.100.
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Turner, Willie A. Processed peanuts and method of producing the same. 4,816,270, 3-28-89, Cl. 426-243.000.
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Turngren, Christina M. Method for forming foam braced packaging. 4,883,555, 11-28-89, Cl. 156-227.000.
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Turnwald, Hermann: *See—*
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  Koepff, Peter; Muller, Alexander; Schreiber, Reinhard; Turowski, Angelika; and Braumer, Klaus, 4,804,745, Cl. 530-356.000.
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Turpin, Robert T., Sr.; and Miracle, Gary D. Pipeline bulk residue remover and method. 4,827,553, 5-9-89, Cl. 15-104.180.
Turpin, Rowland A. Funeral vault. 4,845,906, 7-11-89, Cl. 52-124.200.
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Turska, Carl J., to J. M. Huber Corporation. Conduit air dispenser for improved in-car slurrying. 4,844,664, 7-4-89, Cl. 406-46.000.
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Turucz, Sandor. ACU-pressure massaging insoles. 4,841,647, 6-27-89, Cl. 36-44.000.
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  Ishino, Takashi; Hiyama, Isao; Nagano, Yousuke; Shikamori, Tamotu; Turuta, Shizuo; Kamano, Toshiyasu; and Oshugi, Hiroshi, 4,868,944, Cl. 8-158.000.
Turver, Carlos S. Smoke-less cigarette container. 4,819,666, 4-11-89, Cl. 131-175.000.
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Tury, Bernard: *See—*
  John, Glyn R.; Tury, Bernard; and Walker, Campbell F., 4,865,647, Cl. 106-14.150.
Tury, Edward L. Electrical control system for control of an automatic transmission apparatus. 4,817,471, 4-4-89, Cl. 74-866.000.
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  Graalmann, Onno; Kreibiehl, Guenter; Turznik, Gerhard; and Weber, Heinz, 4,885,206, Cl. 428-316.600.
Tusa, Esko; Maaatta, Raimo; and Ruuskanen, Antti, to Imatran Voima Oy. Method for volume reduction of low activity organic wastes from nuclear power plants by anaerobic decomposition. 4,861,519, 8-29-89, Cl. 252-633.000.
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Tush Cush, Inc.: *See—*
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Tushaus, Hans-Joachim; and Hormann, Michael, to W. C. Heraeus GmbH. Method for forming an object of metal by cold pressing. 4,876,868, 10-31-89, Cl. 72-42.000.
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  Rule, Mark; and Tustin, Gerald C., 4,795,737, Cl. 570-203.000.
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  Rule, Mark; Lane, Donald W.; and Tustin, Gerald C., 4,814,525, Cl. 570-203.000.
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Tustison, Randal W.; and Varitimos, Thomas, to Raytheon Company. Method of producing single crystalline magnetic film having bi-axial anisotropy. 4,857,415, 8-15-89, Cl. 428-620.000.
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Tuszynski, Michael P.: *See—*
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  Howard, Keith; Sherrill, Jim; Kirby, Robert; and Malone, Bill A., 4,848,567, Cl. 206-332.000.
Tutelian, Clifford H. Apparatus for mounting a closure on a housing or the like and a confining assembly. 4,831,966, 5-23-89, Cl. 119-17.000.
Tuthill Corporation: *See—*
  Gailey, Edward D., 4,825,893, Cl. 137-75.000.
  Karcher, Thomas D.; and Weston, John, 4,833,951, Cl. 81-471.000.
  Sarson, Charles R., 4,799,512, Cl. 137-614.040.
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Tuttle, Billy W., to GTE Products Corporation. Fluorescent lamp starter assembly. 4,879,494, 11-7-89, Cl. 315-61.000.
Tuttle, Gary M.; and DeShaw, Steven, to Waterman Industries, Inc. Method and apparatus for control of an upstream water level. 4,877,352, 10-31-89, Cl. 405-104.000.
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Tuttle, John. Adjustable eye glass frame. 4,799,782, 1-24-89, Cl. 351-118.000.
Tuttle, John E. Power driven wire nut wrench. 4,823,650, 4-25-89, Cl. 81-124.200.
Tuttle, John E.; and Ewing, Sheldon M. Card case with powered dispenser. 4,875,599, 10-24-89, Cl. 221-231.000.
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Tutumi, Kazumichi, to Mitisubishi Denki Kabushiki Kaisha. Suction air measuring device. 4,879,908, 11-14-89, Cl. 73-861.230.
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Tweedle, Michael F.; Gaughan, Glen T.; and Hagan, James T., to E. R. Squibb & Sons, Inc. 1-substituted-1,4,7-triscarboxymethyl-1,4,7,10-tetraazacyclododecane and analogs. 4,885,363, 12-5-89, Cl. 540-465.000.
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Twerdochlib, Michael, to Westinghouse Electric Corp. Water trap valve for fail safe operation of an air inleakage monitoring system in a steam turbine. 4,831,875, 5-23-89, Cl. 73-202.000.
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Twerdochlib, Michael, to Westinghouse Electric Corp. Monitor for testing the operating condition of a nonreturn valve. 4,833,916, 5-30-89, Cl. 73-168.000.
Twerdochlib, Michael, to Westinghouse Electric Corp. Thermally self-adjusting mount for proximity sensor. 4,833,931, 5-30-89, Cl. 73-866.500.
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Twietmeyer, Ted H., to Switch Tech, Inc. System for optically transmitting data between circuit packs, such as printed circuit boards. 4,823,403, 4-18-89, Cl. 455-607.000.
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Twigg, Martyn V.; and Sengelow, William M., to Imperial Chemical Industries PLC. Catalysts for reforming hydrocarbon feedstocks. 4,863,712, 9-5-89, Cl. 423-651.000.
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Tworoger, Peter C.; and Johnson, E. A., to Atlas Marine Technologies. Load moving apparatus. 4,797,055, 1-10-89, Cl. 414-283.000.
Twose, David L.: *See—*
  Ballard, Denis G. H.; Holmes, Paul A.; Nevin, Alan; Shirley, Ian M.; and Twose, David L., 4,798,742, Cl. 427-240.000.
Twydell, Roland S.; and Radcliffe, Jennifer M., to Shell Internationale Research Maatschappij B.V. Method of combating termites. 4,833,158, 5-23-89, Cl. 514-616.000.
Twyman, Diana L.: *See—*
  Zarowitz, Barbara J.; and Twyman, Diana L., 4,880,014, Cl. 128-734.000.
Twyman, Jeffrey R. Method of preparing green beans. 4,867,996, 9-19-89, Cl. 426-326.000.
TX Controls AB: *See—*
  Nilsson, Ingmar, 4,840,079, Cl. 74-500.500.
Ty, Henry: *See—*
  Zaveri, Narendra R.; Ty, Henry; and White, Alfred J., 4,865,250, Cl. 236-93.00R.
Tyan, Yuan S.; Pan, Kee-Chuan; and Vazan, Fridrich, to Eastman Kodak Company. Erasable optical recording method. 4,797,871, 1-10-89, Cl. 369-100.000.
Tyan, Yuan-Sheng: *See—*
  Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Marino, Salvatore J., 4,795,695, Cl. 430-495.000.
  Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Vazan, Fridrich, 4,798,785, Cl. 430-495.000.
  Pan, Kee-Chuan; Tyan, Yuan-Sheng; and Preuss, Donald R., 4,812,385, Cl. 430-290.000.
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Tydlacka, Joseph, to Wyle Laboratories. Jamfree cable storage. 4,853,500, 8-1-89, Cl. 191-12.00R.
Tye, Anthony J.: *See—*
  Cameron, James M.; Stanton, Timothy P.; Tye, Anthony J.; and December, Timothy S., 4,837,278, Cl. 525-162.000.
Tyee Aircraft, Inc.: *See—*
  Curtz, William C., 4,851,065, Cl. 156-172.000.
Tyers, Michael B., to Glaxo Group Limited. Method of medical treatment. 4,835,173, 5-30-89, Cl. 514-397.000.
Tyers, Michael B., to Glaxo Group Limited. Method of medical treatment. 4,845,115, 7-4-89, Cl. 514-397.000.
Tyers, Michael B., to Glaxo Group Limited. Method of medical treatment of addiction. 4,847,281, 7-11-89, Cl. 514-397.000.
Tyers, Michael B., to Glaxo Group Limited. Treatment of anxiety. 4,883,803, 11-28-89, Cl. 514-304.000.
Tyger, Wayne H.: *See—*
  Ambrose, Ronald R.; O'Dwyer, James B.; Johnston, Byron K.; Zielinski, David P.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,859,743, Cl. 525-443.000.
  Das, Suryya K.; Porter, Samuel, Jr.; and Tyger, Wayne H., 4,818,796, Cl. 525-329.500.
Tyl, Craig S.: *See—*
  Spak, Michael E.; Tyl, Craig S.; and Wottrich, Philip C., 4,813,015, Cl. 365-78.000.
  Spak, Michael E.; Tyl, Craig S.; and Wottrich, Philip C., 4,864,544, Cl. 365-230.080.
Tyle, Praveen, to American Cyanamid Company. Sustained release growth hormone compositions for parenteral administration and their use. 4,857,506, 8-15-89, Cl. 514-12.000.
Tyler, D. Kevin, to Litton Industrial Automation Systems, Inc. Clutch and lock mechanism. 4,796,737, 1-10-89, Cl. 192-18.00R.
Tyler, Henry: *See—*
  Eisa, Soraya; Peczkowski, Joseph; Tyler, Henry; and Richardson, Glenn, 4,837,697, Cl. 364-431.020.
Tyler, John: *See—*
  Keem, John; Im, Jun S.; Tyler, John; Bergeron, Richard; Dennis, Kevin; and Hoeft, David, 4,867,785, Cl. 75-0.50C.
Tyler, Kenneth J. Molded capacitor header. 4,868,717, 9-19-89, Cl. 361-519.000.
Tyler Limited Partnership: *See—*
  Strand, Glen L., 4,886,208, Cl. 239-77.000.
Tyler, Maurice E.: *See—*
  Warren, Donald E.; and Tyler, Maurice E., 4,854,389, Cl. 169-28.000.
Tyler, Michael E. Gate locking device. 4,796,385, 1-10-89, Cl. 49-280.000.
Tyler Pipe Industries, Inc.: *See—*
  Pannell, Minor W.; and Meadows, Alton L., 4,848,808, Cl. 285-337.000.
Tyler Refrigeration Corporation: *See—*
  Beehler, James R.; and Ware, Dean R., 4,831,835, Cl. 62-196.100.
Tyler, Stephen L., to Toro Company, The. Sprinkler nozzle module. 4,840,312, 6-20-89, Cl. 239-205.000.
Tyler, Thomas R., to Sundstrand Corporation. Centrifugal pump with self-regulating impeller discharge shutter. 4,802,817, 2-7-89, Cl. 415-157.000.
Tyler, Vernal M. Vehicle toy. 4,822,068, 4-18-89, Cl. 280-211.000.
Tyler, William R.: *See—*
  Snow, Michael G.; Tyler, William R.; Hsu, Sung-Peng; and Fallat, Robert J., 4,796,639, Cl. 128-719.000.
Tyler's Fine Dry Cleaning, Inc.: *See—*
  Pierson, Tyler V., 4,860,981, Cl. 248-97.000.
Tylko, Jozef K., to Plasma Holdings N.V. Hybrid plasma reactor. 4,801,435, 1-31-89, Cl. 422-186.040.
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  Campbell, Bruce D.; Triplett, James T.; and Tylor, Richard E. 4,834,482, Cl. 350-96.150.
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  Kolomeets, Sergei D.; Krivoshlykov, Alexei J.; Ostafiev, Vladimir A.; and Tymchik, Grigory S., 4,866,360, Cl. 318-577.000.
Tymon, Thomas M.; and Niznik, Shelly S., to Armstrong World Industries, Inc. Suspensions of sheet silicate materials and products made therefrom. 4,800,041, 1-24-89, Cl. 252-378.00R.
Tymon, Thomas M.: *See—*
  Bohrn, Walter J.; Garman, Shelly N.; and Tymon, Thomas M. 4,851,021, Cl. 65-17.000.
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Tymonko, John M., to FMC Corporation. Safening of herbicidal clomazone applications with organophosphorus compounds. 4,822,401, 4-18-89, Cl. 71-87.000.
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  Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D. 4,798,876, Cl. 525-457.000.
  Gould, Francis E.; Kliment, Charles K.; and Seems, George E. 4,810,543, Cl. 428-35.700.
  Gould, Francis E.; Morgan, Ellen K.; and Reduker, Stephen D. 4,810,582, Cl. 428-423.100.
Tyner, Alvin. Shirt. 4,809,626, 3-7-89, Cl. 2-115.000.
Tyo, Eileen M.: *See—*
  Kaukeinen, Joseph Y.; and Tyo, Eileen M., 4,880,494, Cl. 156-633.000.
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  Shore, Sydney, 4,830,524, Cl. 400-208.000.
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  Drillick, Jacob M., 4,813,350, Cl. 101-76.000.
Tyree, Gerald W.: *See—*
  Smith, Charles R.; Brindisi, Anthony E.; and Tyree, Gerald W., 4,884,929, Cl. 411-3.000.
Tyree, Lewis, Jr., to Liquid Carbonic Corporation. Chiller with expanding spiral conveyor belt. 4,878,362, 11-7-89, Cl. 62-381.000.
Tyree, Lewis, Jr.; Gyger, Roger F.; and Rhoades, George D., to Liquid Carbonic Corporation. Two phase CO_2 storage tank. 4,888,955, 12-26-89, Cl. 62-47.100.
Tyree, William H.: *See—*
  Balmer, David K.; and Tyree, William H., 4,820,925, Cl. 250-379.000.
Tyrell, John A.; and McCready, Russell J., to General Electric Company. Polyetherimide amide from polyoxyalkylene diimide dicarboxylic acid. 4,861,862, 8-29-89, Cl. 528-322.000.
Tyrell, John A.; and Wallace, Lawrence R., to General Electric Company. Polyesters with modified melt viscosity. 4,882,375, 11-21-89, Cl. 524-161.000.
Tyrell, John A.: *See—*
  McCready, Russell J.; and Tyrell, John A., 4,795,790, Cl. 525-437.000.
  McCready, Russell J.; Liu, Nan-I; and Tyrell, John A., 4,798,858, Cl. 524-100.000.
Tyren, Carl H.: *See—*
  Dahlander, Par N. O.; and Tyren, Carl H., 4,830,601, Cl. 431-12.000.
Tyrer, John R., to National Research Development Corporation. Optical inspection. 4,832,494, 5-23-89, Cl. 356-354.000.

Tyrrell, Raymond E., to Alcatel NA, Inc. Multi-task state machine signalling translator. 4,852,157, 7-25-89, Cl. 379-236.000.
Tyson, Ben B.: *See—*
  Hessing, Lynn C.; Huffman, John W.; and Tyson, Ben B., 4,869,608, Cl. 400-320.000.
Tyson, George J., to Xylan, Inc. Delignification of non-woody biomass. 4,842,877, 6-27-89, Cl. 426-271.000.
Tyson, Graham R., to Royal Melbourne Institute of Technology Limited. Movement parameter sensor. 4,839,646, 6-13-89, Cl. 340-870.300.
Tyson, Ray M., to Rockwell International Corporation. Method and system for reducing aircraft stopping distance. 4,834,320, 5-30-89, Cl. 244-103.00R.
Tyson, Robert G.: *See—*
  Lamendola, Joseph F.; Vashi, Dhiru; and Tyson, Robert G., 4,831,193, Cl. 564-417.000.
  Palmer, Derek R.; and Tyson, Robert G., 4,820,857, Cl. 558-277.000.
Tyson, Therese M.: *See—*
  Kiffel, William G.; and Tyson, Therese M., 4,837,012, Cl. 424-70.000.
Tyson, William H., Jr.; and Stuart, Frank A. Treatment of catalyst fines-oil mixtures. 4,889,618, 12-26-89, Cl. 208-162.000.
Tysver, John D.; and Grimm, Duane, to Sunstrand Corp. Actuator mechanism having adjustable stop. 4,877,120, 10-31-89, Cl. 192-141.000.
Tyus, Ruby M. Portable storage apparatus. 4,795,186, 1-3-89, Cl. 280-651.000.
Tzekov, Anton D.: *See—*
  Zapryanov, Yordan D.; Boyadjiev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., 4,814,993, Cl. 364-442.000.
Tzeng, Ming-Her. Folding glasses. 4,887,895, 12-19-89, Cl. 351-63.000.
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  Diosady, Levente L.; Rubin, Leon J.; and Tzeng, Yew-Min, 4,889,921, Cl. 530-377.000.
Tzikas, Athanassios; and Kaser, Adolf, to Ciba-Geigy Corporation. Reactive azo dyes carrying two amine-fluoro-triazinyl groups for dyeing and printing cotton. 4,818,247, 4-4-89, Cl. 8-549.000.
Tzikas, Athanassios; and Herzig, Paul, to Ciba-Geigy Corporation. Triazinyl reactive dyes in which the triazinyl is further substituted with a reactive radical. 4,876,334, 10-24-89, Cl. 534-632.000.
Tzikas, Athanassios: *See—*
  Scheibli, Peter; Seitz, Karl; Seiler, Herbert; and Tzikas, Athanassios, 4,801,694, Cl. 534-637.000.
Tzilianos, Eftihia: *See—*
  Edelman, Isidore S.; Erlanger, Bernard F.; Tzilianos, Eftihia; and Cleveland, William L., 4,818,684, Cl. 435-7.000.
Tziony, Joseph. Chance device with variably sized number selecting compartments. 4,884,810, 12-5-89, Cl. 273-144.00B.
Tzong-Lin, Sheen. Versatile vise. 4,824,084, 4-25-89, Cl. 269-87.200.
Tzong, Liou C. Riveter with adjustable headpiece. 4,807,460, 2-28-89, Cl. 72-391.000.
U C B, S.A.: *See—*
  Cossement, Eric; Geerts, Jean-Pierre; Gobert, Jean; and Michel, Philippe, 4,814,343, Cl. 514-397.000.
U.C. Regents: *See—*
  Hitzeman, Ronald; and Carbon, John A., 4,865,989, Cl. 435-320.000.
U.F.O., Inc.: *See—*
  Sams, Kenneth, 4,848,704, Cl. 244-153.00A.
U-Haul International: *See—*
  Abromavage, John C., 4,838,605, Cl. 296-182.000.
U-Line Corporation: *See—*
  Reed, William A., 4,872,317, Cl. 62-135.000.
U.S.C.: *See—*
  Forrest, Stephen R., 4,876,209, Cl. 437-5.000.
U.S.D. Corp: *See—*
  Eaulconer, Mark; and Greatrake, Scott E., 4,810,134, Cl. 405-186.000.
  Faulconer, Mark, 4,809,550, Cl. 73-300.000.
U.S.E. Diamond, Inc.: *See—*
  Shamah, Alfred A.; and Schroeder, James R., 4,883,396, Cl. 411-55.000.
Uarco Incorporated: *See—*
  Schnitzer, David H., 4,885,205, Cl. 229-68.00R.
  Zehner, George F., Jr., 4,880,255, Cl. 282-11.50A.
UAS Support, Inc.: *See—*
  Snyder, Stephen, 4,848,514, Cl. 181-290.000.
Uba, Tomohisa: *See—*
  Hirata, Tatsushiro; and Uba, Tomohisa, 4,882,516, Cl. 313-407.000.
Ube Industries, Ltd.: *See—*
  Abe, Shuzo; Matsunami, Satoshi; Nagamatsu, Sunao; Tanaka, Masaaki; and Matsuno, Masao, 4,853,546, Cl. 250-432.0PD.
  Ataka, Kikuo; and Oku, Masayoshi, 4,851,190, Cl. 362-474.000.
  Dannoura, Sadayuki, 4,860,818, Cl. 164-314.000.
  Dannoura, Sadayuki, 4,871,010, Cl. 164-253.000.
  Fujino, Kiyoshi; and Ueno, Toyoaki, 4,842,038, Cl. 164-80.000.
  Hamasaki, Naotaka; Kawamura, Hirotaka; Ohtsu, Norio; Nakakoshi, Ichiro; Ataka, Kikuo; Oomori, Kiyosi; and Kouno, Masahiko, 4,874,882, Cl. 558-131.000.
  Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, 4,860,542, Cl. 60-583.000.
  Idei, Yasumasa; and Orisaki, Satoshi, 4,800,846, Cl. 122-4.00D.
  Inoue, Hiroshi; Hirano, Tetsuji; Muramatsu, Tadao; and Narahara, Yasuji, 4,869,861, Cl. 264-204.000.
  Inoue, Kazuo; Yoshikiyo, Motozo; Yoshii, Shizuka; and Okamoto, Iwao, 4,814,239, Cl. 428-694.000.
  Ishimoto, Kenji; and Kawabata, Kouji, 4,840,557, Cl. 425-555.000.
  Joh, Yasushi; and Kaneko, Noriaki, 4,822,352, Cl. 623-1.000.
  Joh, Yasushi, 4,872,867, Cl. 604-269.000.
  Kamei, Eiichi; and Shimomura, Yasushi, 4,869,822, Cl. 210-321.790.
  Kashibe, Masaki; Sugishita, Hideyuki; and Okada, Nobuyoshi, 4,822,760, Cl. 502-24.000.
  Kawaguchi, Toshiro; Sonoda, Takefumi; and Hashimoto, Kiyoshi, 4,842,507, Cl. 425-382.400.
  Kawamura, Hirotaka; Ohtsu, Norio; and Utiumi, Shinichiro, 4,889,943, Cl. 558-71.000.
  Kawano, Minoru; Simizu, Katsumi; Isonaga, Eiji; and Kurata, Shigeo, 4,877,874, Cl. 540-606.000.
  Kohtoku, Yasuhiko; Kunisawa, Teturo; and Takahashi, Takuji, 4,812,298, Cl. 423-327.000.
  Kohtoku, Yasuhiko; and Nakayasu, Tetsuo, 4,845,059, Cl. 501-98.000.
  Kunimoto, Akihiro; Takabayashi, Seiichiro; and Matsui, Yuji, 4,797,307, Cl. 427-386.000.
  Kunimoto, Akihiro; Takabayashi, Seiichirou; Nakamura, Morio; and Maeda, Tatuaki, 4,810,419, Cl. 252-511.000.
  Maeda, Sadahiko; Takahashi, Hideaki; Idei, Yasumasa; and Nishida, Masahiro, 4,815,418, Cl. 122-4.00D.
  Maeda, Sadahiko; Yokota, Shinjiro; and Idei, Yasumasa, 4,863,488, Cl. 44-589.000.
  Matsumoto, Keigo; Yokoi, Shinji; and Fujii, Katsutoshi, 4,845,097, Cl. 514-234.200.
  Mizuno, Hisayuki; Miura, Masao; Fukushima, Hiroyuki; Miyamoto, Mamoru; Ohizumi, Kyouhei; and Nishimura, Yoshio, 4,820,316, Cl. 55-18.000.
  Motonari, Kazunori; Kumamoto, Kazuo; Turuda, Shigeto; Ito, Yutaka; and Mitsutake, Taiichiro, 4,801,506, Cl. 428-421.000.
  Nakano, Tsunetomo; Hayashi, Toshikazu; and Tsukada, Toshinori, 4,855,215, Cl. 430-283.000.
  Nishihara, Yoshio; Isobe, Noriyuki; and Kotera, Satoshi, 4,808,659, Cl. 524-701.000.
  Sasakawa, Shigeru; and Shiba, Masayuki, 4,880,786, Cl. 514-53.000.
  Shinomura, Yasushi; Yamaguchi, Masahiko; and Fukuzaki, Koichiro, 4,859,535, Cl. 428-398.000.
  Shiomi, Yasushi; Matsuzaki, Tokuo; and Masunaga, Katsuro, 4,874,888, Cl. 560-204.000.
  Sonoda, Takefumi, 4,797,245, Cl. 264-328.400.
  Sugiura, Hisao; and Watanabe, Masanori, 4,842,860, Cl. 424-403.000.
  Tabata, Kanzo; Inoue, Hiroshi; Muramatsu, Tadao; and Narahara, Yasuji, 4,839,217, Cl. 428-156.000.
  Tanaka, Hideho; Fujii, Kazuyoshi; and Nishimura, Kazuo, 4,868,050, Cl. 428-335.000.
  Tsujimoto, Nobuhiro; Suzuki, Michinori; and Hiromoto, Jiro, 4,816,523, Cl. 525-380.000.
  Tsumiyama, Tatsuo; Shimada, Toshiro; Akagawa, Yoshifumi; Nakamoto, Satoru; and Takada, Teruo, 4,879,341, Cl. 525-66.000.
  Ueno, Toyoaki; Dannoura, Sadayuki; and Uchida, Masashi, 4,799,534, Cl. 164-314.000.
  Ueno, Toyoaki; Uchida, Masashi; and Dannoura, Sadayuki, 4,828,010, Cl. 164-113.000.
  Ueno, Toyoaki; and Dannoura, Sadayuki, 4,836,267, Cl. 164-113.000.
  Umeya, Kaoru; and Fujino, Kiyoshi, 4,830,289, Cl. 241-57.000.
  Waku, Yoshiharu; Yoshioka, Hideho; Oba, Hiroyoshi; and Fujino, Kiyoshi, 4,879,074, Cl. 264-24.000.
  Winkler, Robert; Sala, Siro; Kobayashi, Yakayuki; and Yokota, Shinjiro, 4,830,707, Cl. 159-47.100.
  Yamamoto, Tadashi; and Suzuki, Michiyuki, 4,799,531, Cl. 164-120.000.
  Yasuno, Hiroshi; Sakatani, Fumio; and Kanda, Takeshi, 4,883,575, Cl. 204-198.000.
Ube-Nitto Kasei Co., Ltd.: *See—*
  Kitagawa, Ken; Matsuno, Shigehiro; and Toda, Kazuaki, 4,814,133, Cl. 264-174.000.
  Nakasone, Takayoshi; Ida, Yoji; and Kozuka, Kenji, 4,795,234, Cl. 350-96.300.
  Okada, Masao; Sakai, Kazuhiko; Kimura, Haruo; and Ikada, Yoshito, 4,878,907, Cl. 623-1.000.
Ubel, F. Andrew, III: *See—*
  Aasen, Steven M.; Oxman, Joel D.; and Ubel, F. Andrew, III, 4,871,786, Cl. 523-113.000.
  Oxman, Joel D.; Ubel, F. Andrew, III; and Larson, Eric G., 4,828,583, Cl. 51-295.000.
Ubelhack, Heinrich: *See—*
  Mattis, Renate; Seidel, Gunther; Ubelhack, Heinrich; and Homer, Russel D., 4,799,256, Cl. 379-269.000.
Ubels, John L.: *See—*
  Gressel, Philip D.; Roehrs, Robert E.; Ubels, John L.; and Edelhauser, Henry F., 4,826,871, Cl. 514-438.000.
Ubels, Sibrand A.; and Baxter, Steven L., to Conoco Inc. Method for reducing pressure drop in the transportation of drag reducer. 4,881,566, 11-21-89, Cl. 137-13.000.
Uber, Arthur E., III, to Medrad, Inc. Radiation detector with an ionizable gas atop an integrated circuit. 4,804,847, 2-14-89, Cl. 250-389.000.
Ubhayakar, Shivadev K., to TRW Inc. Flexidigit robotic manipulator. 4,848,179, 7-18-89, Cl. 74-479.000.
Ubukata, Susumu; Mizutani, Yasukazu; and Iyoda, Syozo, to Ubukata, Susumu. Three-phase thermal protector. 4,843,363, 6-27-89, Cl. 337-94.000.

- UC Industry Co., Ltd.: *See—*
  - Nagayoshi, Akio; and Nagayoshi, Kiyoharu, 4,824,502, Cl. 156-195.000.
- UCB Societe Anonyme: *See—*
  - Gobert, Jean; Geerts, Jean-Pierre; and Dodson, Guy, 4,837,223, Cl. 514-424.000.
  - Gobert, Jean; Giurgea, Corneliu; Geerts, Jean-Pierre; and Bodson, Guy, 4,837,224, Cl. 514-424.000.
  - Hahn, Thomas O., 4,828,784, Cl. 264-316.000.
- Ucci, Pompelio A.: *See—*
  - Blyth, Randolph C.; and Ucci, Pompelio A., 4,839,212, Cl. 428-96.000.
  - Blyth, Randolph C.; and Ucci, Pompelio A., 4,879,180, Cl. 428-395.000.
- Uchdorf, Rudolf: *See—*
  - Bruening, Wilhelm; Uchdorf, Rudolf; and Mitschker, Alfred, 4,853,191, Cl. 423-226.000.
- Uchibe, Hisashi: *See—*
  - Sakaguchi, Akira; Uchibe, Hisashi; and Tange, Toshiyuki, 4,856,700, Cl. 228-5.100.
- Uchida, Akihisa; Okada, Daisuke; Takakura, Toshihiko; Ogiue, Katsumi; Tamaki, Yoichi; and Kawamura, Masao, to Hitachi, Ltd. Method for fabricating a semiconductor integrated circuit device having thick oxide films and groove etch and refill. 4,853,343, 8-1-89, Cl. 437-33.000.
- Uchida, Akihisa: *See—*
  - Kawaji, Mikinori; Takakura, Toshihiko; Uchida, Akihisa; Kuroda, Shigeo; Tamaki, Yoichi; Shiba, Takeo; Sagara, Kazuhiko; and Kawamura, Masao, 4,819,054, Cl. 357-49.000.
  - Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kiichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.
- Uchida, Akira: *See—*
  - Hirose, Joji; and Uchida, Akira, 4,869,849 Cl. 261-78.200.
- Uchida, Ei: *See—*
  - Haga, Masaki; Tsuji, Kiyotaka; Nawafune, Hidemi; Mizumoto, Shozo; and Uchida, Ei, 4,804,410, Cl. 106-1.150.
- Uchida, Haruhiko: *See—*
  - Nasu, Yasunobu; and Uchida, Haruhiko, 4,836,952, Cl. 252-188.280.
- Uchida, Hideaki: *See—*
  - Iwamura, Masahiro; Masuda, Ikuro; and Uchida, Hideaki, 4,860,148, Cl. 361-58.000.
  - Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, 4,829,479, Cl. 365-189.090.
  - Nakazato, Shinji; Uchida, Hideaki; Tanba, Nobuo; Gotoo, Nobuyuki; Onozawa, Kazunori; and Hiraishi, Atsushi, 4,868,626, Cl. 357-42.000.
  - Ogiue, Katsumi; Suzuki, Yukio; Masuda, Ikuro; Odaka, Masanori; and Uchida, Hideaki, 4,858,189, Cl. 365-203.000.
- Uchida, Hirofumi: *See—*
  - Sato, Takeshi; Fukase, Katsuya; Shimada, Kiyotaka; and Uchida, Hirofumi, 4,867,839, Cl. 156-630.000.
- Uchida, Hiroshi, to Earthnics Corporation. Sheet for forming twisted flaps in continuous arrangement and method of producing same. 4,818,579, 4-4-89, Cl. 428-102.000.
- Uchida, Hiroshi, to Murata Kikai Kabushiki Kaisha. Yarn end finding device. 4,834,304, 5-30-89, Cl. 242-35.60E.
- Uchida, Hiroshi: *See—*
  - Matsui, Isamu; Uchida, Hiroshi; Otojima, Hirao; and Kino, Yoshihiro, 4,880,176, Cl. 242-35.60E.
  - Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445, Cl. 75-0.50B.
  - Yamashita, Takaji; Uchida, Hiroshi; Shimizu, Keiji; and Omura, Tomohide, 4,823,016, Cl. 250-363.030.
  - Yamashita, Takaji; Uchida, Hiroshi; and Omura, Tomohide, 4,870,280, Cl. 250-368.000.
- Uchida, Hiroyasu; and Ueda, Kazuhiko, to Mazda Motor Corporation. Intake system for V-type internal combustion engine. 4,878,460, 11-7-89, Cl. 123-52.0MV.
- Uchida, Hiroyuki; Kaneko, Setsuo; and Okubo, Toshio, to NEC Corporation. Amorphous silicon photo sensor with blocking diode. 4,827,117, 5-2-89, Cl. 250-211.00R.
- Uchida, Hiroyuki: *See—*
  - Katsumata, Masaaki; Takagi, Isamu; Takahashi, Eiji; Sakai, Tadamichi; Matsumoto, Yoji; Ohtsu, Hideaki; Uchida, Hiroyuki; and Asami, Kiyoshi, 4,855,106, Cl. 420-109.000.
- Uchida, Itsuo: *See—*
  - Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.
  - Okamoto, Masanori; Uchida, Itsuo; Umehara, Kazuyoshi; Kohsaka, Masanobu; and Imanaka, Hiroshi, 4,797,417, Cl. 514-473.000.
  - Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.
- Uchida, Kazuko: *See—*
  - Deguchi, Takenori; Suzuki, Masaru; Watanabe, Sanae; and Uchida, Kazuko, 4,818,568, Cl. 427-226.000.
- Uchida, Kazumichi: *See—*
  - Shimizu, Isoo; Hirano, Ryotaro; Matsumura, Yasuo; Nomura, Hideki; Uchida, Kazumichi; and Sato, Atsushi, 4,827,065, Cl. 585-25.000.
  - Shimizu, Isoo; Matsumura, Yasuo; and Uchida, Kazumichi, 4,835,337, Cl. 585-471.000.
  - Shimizu, Isoo; Mitsuyuki, Hitoshi; Uchida, Kazumichi; and Tokumoto, Yuuichi, 4,855,519, Cl. 585-319.000.
- Uchida, Kazuyuki, to Tandy Electronics Japan, Ltd. Voltage-sensitive telephone line monitor. 4,802,207, 1-31-89, Cl. 379-164.000.
- Uchida, Ken: *See—*
  - Okuyama, Kousuke; Uchida, Ken; Kusuyama, Kouichi; Meguro, Satoshi; Katto, Hisao; and Komori, Kazuhiro, 4,818,716, Cl. 437-49.000.
- Uchida, Kenji; Banba, Nobuvuki; Kuroiwa, Minoru; Saito, Makoto; and Kamino, Yukishige, to Hitachi, Ltd. Vertical hydro-hoist with adjustable floats and method of operating the same. 4,854,783, 8-8-89, Cl. 406-13.000.
- Uchida, Kenji: *See—*
  - Aoki, Takayoshi; Takeda, Masayuki; Nagatsuka, Ikutaroh; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,861,694, Cl. 430-137.000.
  - Aoki, Takayoshi; Nagatsuka, Ikutaroh; Takeda, Masayuki; Honjo, Toshio; Itoh, Kazuhiro; and Uchida, Kenji, 4,871,639, Cl. 430-108.000.
- Uchida, Kihachiro: *See—*
  - Kondo, Hiroyuki; Harada, Tadashi; and Uchida, Kihachiro, 4,871,331, Cl. 439-736.000.
- Uchida, Kimio: *See—*
  - Tokunaga, Masaaki; Uchida, Kimio; and Hiraki, Akitoshi, 4,837,109, Cl. 420-83.000.
- Uchida, Kiyoyuki; Akiyoshi, Michio; and Tsuchiya, Yoshiaki, to Toyota Jidosha Kabushiki Kaisha. Dual-circuit hydraulic anti-lock braking system. 4,824,183, 4-25-89, Cl. 303-92.000.
- Uchida, Kiyoyuki: *See—*
  - Sugitani, Tatsuo; Uchida, Kiyoyuki; and Inoue, Hideo, 4,883,326, Cl. 303-110.000.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makato, to Nissan Motor Co., Ltd. Rotary control valve for power assist steering system. 4,844,126, 7-4-89, Cl. 137-625.210.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, to Nissan Motor Co., Ltd. Hydraulic fluid pressure control system for use with power assist steering. 4,846,296, 7-11-89, Cl. 180-140.000.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, to Nissan Motor Co., Ltd. Operating noise-free fluid flow distributor circuit for variable assist power steering system. 4,852,462, 8-1-89, Cl. 91-375.00A.
- Uchida, Koh; and Kurihara, Takashi, to Nissan Motor Co., Ltd. Steering control valve for variable power assist steering system. 4,860,635, 8-29-89, Cl. 91-375.00A.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, to Nissan Motor Co., Ltd. Vehicle speed responsive variable assist power steering system. 4,860,846, 8-29-89, Cl. 180-141.000.
- Uchida, Koh; Kurihara, Takashi; Miyoshi, Makoto; and Kai, Hirohide, to Nissan Motor Co., Ltd. Variable assist power steering system with varying power assist with vehicle speed. 4,862,985, 9-5-89, Cl. 180-141.000.
- Uchida, Koh, to Nissan Motor Company, Limited. Hydraulic fluid circuit for variable assist power steering system. 4,865,147, 9-12-89, Cl. 180-141.000.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, to Nissan Motor Co., Ltd. Hydraulic system for variable assist power steering system. 4,875,542, 10-24-89, Cl. 180-142.000.
- Uchida, Koh; Kurihara, Takashi; and Miyoshi, Makoto, to Nissan Motor Company, Limited. Variable assist power steering system with varying power assist characteristic. 4,884,648, 12-5-89, Cl. 180-142.000.
- Uchida, Koh: *See—*
  - Miyoshi, Makato; Uchida, Koh; and Kurihara, Takashi, 4,830,131, Cl. 180-141.000.
- Uchida, Koji: *See—*
  - Kurihara, Haruto; and Uchida, Koji, 4,887,344, Cl. 29-468.000.
- Uchida, Koyoyuki: *See—*
  - Inoue, Hideo; Uchida, Koyoyuki; and Sugitani, Tatsuo, 4,849,890, Cl. 364-426.020.
- Uchida, Kuniaki: *See—*
  - Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, 4,847,192, Cl. 431-88.000.
  - Fujimoto, Masayuki; Tao, Muneo; and Uchida, Kuniaki, 4,872,831, Cl. 431-73.000.
- Uchida, Kuninobu; Nemoto, Kenji; Nokajima, Kunio; Murata, Nagatoshi; and Kaneko, Mitsuo, to Honda Giken Kogyo Kabushiki Kaisha. Process for adjusting alignment of a suspension sub-assembly. 4,805,286, 2-21-89, Cl. 29-407.000.
- Uchida, Kuninobu: *See—*
  - Minagawa, Takehiro; Stou, Toshio; Miyata, Masao; Nemoto, Kenji; and Uchida, Kuninobu, 4,872,793, Cl. 409-244.000.
- Uchida, Makoto; Kakuhari, Hiroyuki; Isogawa, Wataru; and Amano, Tadashi, to Konishiroku Photo Industry Co., Ltd. Automatic developing apparatus. 4,806,962, 2-21-89, Cl. 354-324.000.
- Uchida, Manabu: *See—*
  - Kitano, Kisei; Ushioda, Makoto; Uchida, Manabu; and Suzuki, Toshiharu, 4,877,548, Cl. 252-299.630.
  - Kitano, Kisei; Uchida, Manabu; Ushioda, Makoto; and Suzuki, Toshiharu, 4,880,562, Cl. 252-299.630.
  - Yoshida, Naoyuki; Kaneoya, Masakazu; and Uchide, Manabu, 4,882,451, Cl. 556-440.000.
- Uchida, Masaaki: *See—*
  - Nagaishi, Hatsuo; Seimiya, Yasuo; Tamura, Hideyuki; Miwa, Hiromichi; Sanbuichi, Hiroshi; Uchida, Masaaki; and Takahata, Toshio, 4,873,641, Cl. 364-431.040.
- Uchida, Masafumi; Takagiwa, Hiroyuki; Ikeuchi, Satoru; Nishikawa, Hideyo; Tanaka, Shingo; and Kawabe, Kuniyasu, to Konica Corporation; and Kao Corporation. Toner for developing electrostatic latent image. 4,863,824, 9-5-89, Cl. 430-109.000.
- Uchida, Masafumi: *See—*
  - Takagiwa, Hiroyuki; Takahashi, Jiro; Shirose, Meizo; Akimoto, Kunio; and Uchida, Masafumi, 4,877,704, Cl. 430-99.000.
- Uchida, Masami; and Minamide, Seiko, to Matsushita Electric Industrial Co., Ltd. Method for producing information storage disk. 4,877,475, 10-31-89, Cl. 156-273.700.
- Uchida, Masashi: *See—*
  - Ueno, Toyoaki; Dannoura, Sadayuki; and Uchida, Masashi, 4,799,534, Cl. 164-314.000.
  - Ueno, Toyoaki; Uchida, Masashi; and Dannoura, Sadayuki, 4,828,010, Cl. 164-113.000.
- Uchida, Matazaemon: *See—*
  - Kabota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; Uchida, Matazaemon; and Taninaka, Kuniaki, 4,835,153, Cl. 514-249.000.
  - Kubota, Shuhei; Hiraga, Kunikazu; Nakayama, Keisuke; and Uchida, Matazaemon, 4,863,925, Cl. 514-249.000.
  - Nagamine, Masashi; Hiraga, Kunikazu; Sakai, Atsushi; and Uchida, Matazaemon, 4,816,475, Cl. 514-435.000.
- Uchida, Mikio; and Ishida, Akihiro, to NSK-Warner Kubushiki Kaisha. Skew-preventing ribbon spring for use in a one-way clutch. 4,848,557, 7-18-89, Cl. 192-41.00A.
- Uchida, Minoru; Morita, Seiji; Chihiro, Masatoshi; and Nakagawa, Kazuyuki, to Otsuka Pharmaceutical Co., Ltd. Imidazopyridylalkylthio-pyridines and anti-peptic ulcer compositions containing the same. 4,880,815, 11-14-89, Cl. 514-303.000.
- Uchida, Minoru: *See—*
  - Takeda, Takao; Yamazaki, Hitoshi; Taniguchi, Yoshiteru; Tanaka, Norihiko; Ito, Hiroshi; Uchida, Minoru; and Imai, Jun, 4,840,593, Cl. 445-26.000.
- Uchida, Mitsuru; Yasuda, Satoshi; and Kuribayashi, Tetsuya, to Canon Kabushiki Kaisha. One-component toner for dry electrophotography containing metal complex as charge control agent. 4,873,185, 10-10-89, Cl. 430-903.000.
- Uchida, Mitsuru: *See—*
  - Yasuda, Satoshi; Uchida, Mitsuru; Takagi, Seiichi; and Karami, Yusuke, 4,824,752, Cl. 430-106.600.
- Uchida, Naoshi: *See—*
  - Oyama, Jun; and Uchida, Naoshi, 4,884,049, Cl. 337-36.000.
- Uchida, Noriaki; and Gemma, Hideaki, to Hitachi, Ltd. Multi-window control system. 4,860,247, 8-22-89, Cl. 364-900.000.
- Uchida, Norimasa, to Hitachi Metals, Ltd. Super hard high-speed tool steel. 4,880,461, 11-14-89, Cl. 75-238.000.
- Uchida, Norio; Ishibashi, Yoriyuki; Hirano, Ryoichi; Masuyama, Masayuki; and Shimozono, Hiroaki, to Kabushiki Kaisha Toshiba; and Tokyo Kogaku Kikai Kabushiki Kaisha. Method and apparatus for setting a gap between first and second objects to a predetermined distance. 4,838,693, 6-13-89, Cl. 356-356.000.
- Uchida, Norio; Ishibashi, Yoriyuki; and Masuyama, Masayuki, to Kabushiki Kaisha Toshiba; and Tokyo Kogaku Kikai Kabushiki Kaisha. Method for aligning first and second objects, relative to each other, and apparatus for practicing this method. 4,848,911, 7-18-89, Cl. 356-356.000.
- Uchida, Satoru, to Ricoh Company, Ltd. Image reading system using an LED array. 4,806,775, 2-21-89, Cl. 250-578.000.
- Uchida, Shin-ichi; Deguchi, Kozi; and Sasaki, Masamitsu, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Reactivating Mo-Bi-Fe catalyst used in production of unsaturated aldehydes. 4,871,700, 10-3-89, Cl. 502-51.000.
- Uchida, Shinichi: *See—*
  - Kawajiri, Tatsuya; Onodera, Hideo; Uchida, Shinichi; Aoki, Yukio; and Wada, Masahiro, 4,873,217, Cl. 502-311.000.
- Uchida, Shinya, to Laurel Bank Machines Co., Ltd. Cutting device for wrapped coin stack 4,852,253, 8-1-89, Cl. 30-2.000.
- Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, to Laurel Bank Machines Co., Ltd. Bill receiving, discriminating, and dispensing machine. 4,854,452, 8-8-89, Cl. 209-534.000.
- Uchida, Shinya; Kohzu, Kazuya; Fujii, Kiyoshi; and Kawakami, Moriatsu, to Laurel Bank Machines Co., Ltd. Paper money discriminator. 4,881,268, 11-14-89, Cl. 382-7.000.
- Uchida, Shizutaka: *See—*
  - Maki, Kazuyoshi; Otsubo, Masayuki; and Uchida, Shizutaka, 4,860,161, Cl. 361-338.000.
- Uchida, Shunji; Morita, Kazuharu; and Hashimoto, Kenji, to Idemitsu Kosan Company Limited. Ferroelectric liquid crystal polymer. 4,844,835, 7-4-89, Cl. 252-299.010.
- Uchida, Shunji: *See—*
  - Hachiya, Satoshi; Uchida, Shunji; and Hashimoto, Kenji, 4,877,858, Cl. 528-100.000.
  - Morita, Kazuharu; Uchida, Shunji; and Hachiya, Satoshi, 4,818,807, Cl. 528-191.000.
- Uchida, Shunsuke: *See—*
  - Asakura, Yamato; Endo, Masao; Uchida, Shunsuke; Matsuda, Masami; and Suzuki, Kazumichi, 4,831,324, Cl. 324-57.00R.
  - Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.
  - Matsuda, Masami; Funabashi, Kiyomi; Nishi, Takashi; Komori, Itaru; Baba, Tsutomu; Yusa, Hideo; Uchida, Shunsuke; Adachi, Tetsuro; Ohsumi, Katsumi; and Sato, Tomohiro, 4,880,595, Cl. 376-313.000.
- Uchida, Susumu; and Konishi, Satoru, to Keeper Co., Ltd. Universal joint having a flexible boot. 4,820,238, 4-11-89, Cl. 464-15.000.
- Uchida, Takao: *See—*
  - Kikuchi, Hiroshi; Tanuma, Jiro; Ishimizu, Hideaki; Uchida, Takao; and Asaka, Toshiyuki, 4,857,005, Cl. 439-140.000.
- Uchida, Takashi; Hoshino, Osamu; Chiku, Kazuyoshi; Murayama, Yasushi; and Matsuzawa, Kunihiko, to Canon Kabushiki Kaisha. Superimposed image forming apparatus. 4,816,844, 3-28-89, Cl. 346-160.000.
- Uchida, Takashi: *See—*
  - Fujiwhara, Mitsuto; Uchida, Takashi; and Kimura, Toshihiko, 4,871,655, Cl. 430-519.000.
  - Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; Matsuzawa, Kunihiko; and Kanekura, Kazunori, 4,873,541, Cl. 346-160.100.
  - Hirose, Yoshihiko; Aoki, Tomohiro; Chiku, Kazuyoshi; Murayama, Yasushi; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,887,101, Cl. 346-134.000.
  - Murayama, Yasushi; Kanekura, Kazunori; Aoki, Tomohiro; Chiku, Kazuyoshi; Hirose, Yoshihiko; Uchida, Takashi; and Matsuzawa, Kunihiko, 4,847,642, Cl. 346-157.000.
- Uchida, Takuo: *See—*
  - Hayakawa, Yuji; and Uchida, Takuo, 4,884,026, Cl. 324-158.00F.
- Uchida, Tamotu: *See—*
  - Hayashi, Junkichi; and Uchida, Tamotu, 4,825,533, Cl. 29-605.000.
- Uchida, Tatsuki: *See—*
  - Nakahama, Ryoji; and Uchida, Tatsuki, 4,795,001, Cl. 184-6.180.
  - Takahashi, Masanori; and Uchida, Tatsuki, 4,848,082, Cl. 60-285.000.
- Uchida, Tatsuro; and Yamada, Yoshio, to Ishikawa Gasket Co., Ltd. Metal plate with reinforced beads for a metal gasket. 4,869,515, 9-26-89, Cl. 277-207.00R.
- Uchida, Teruyoshi: *See—*
  - Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.
- Uchida, Tomio: *See—*
  - Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,811,320, Cl. 369-45.000.
  - Kawasaki, Ryoichi; Shimizu, Masami; Suzuki, Kozo; Oyama, Noriyoshi; and Uchida, Tomio, 4,845,699, Cl. 369-45.000.
- Uchida, Toshiya: *See—*
  - Sugano, Mitsutoshi; Uchida, Toshiya; Tokita, Shigeru; Kaneaki, Atsuhiko; and Shimada, Shigeho, 4,865,249, Cl. 236-92.00C.
- Uchida, Tsuyoshi: *See—*
  - Ueda, Shigeharu; Ikuta, Kazuyoshi; Kato, Shiro; and Uchida, Tsuyoshi, 4,867,976, Cl. 424-92.000.
- Uchida, Yasumi: *See—*
  - Shibuya, Kimiyuki; Takahashi, Yoshio; Sato, Seiichi; Shigyo, Hiromichi; Ohta, Tomio; and Uchida, Yasumi, 4,886,822, Cl. 514-357.000.
- Uchida, Yasuo; and Fujisaka, Hisato, to Omron Tateisi Electronics Co. ID system and method or writing data in an ID system. 4,827,115, 5-2-89, Cl. 235-492.000.
- Uchida, Yasuzo; Nagasaki, Hitoshi; and Itoh, Makoto, to Asahi Denka Kogyo Kabushiki Kaisha. Process for preparing pasty proteinous material or proteinous food from crustaceans. 4,820,529, 4-11-89, Cl. 426-7.000.
- Uchida, Yasuzo; and Shirakawa, Yoichi, to Asahi Denka Kogyo Kabushiki Kaisha. Process for treating fish bodies. 4,861,602, 8-29-89, Cl. 426-56.000.
- Uchida, Yasuzo; and Shirakawa, Yoichi, to Asahi Denka Kogyo Kabushiki Kaisha. Proteinous material. 4,863,746, 9-5-89, Cl. 426-56.000.
- Uchida, Yoshihiko; Kuroda, Kotaro; Kusano, Akihiko; and Fukunaga, Shinichi, to Kurosaki Refractories Co., Ltd.; and Nippon Steel Corporation. Lightweight heat-insulating tundish coating material. 4,839,317, 6-13-89, Cl. 501-108.000.
- Uchida, Yoshihisa: *See—*
  - Maruyama, Masahiro; Hata, Kanji; Itemadani, Eiji; and Uchida, Yoshihisa, 4,868,977, Cl. 29-823.000.
- Uchida, Yukimasa, to Tokyo Shibaura Denki Kabushiki Kaisha. Semiconductor device with programmable fuse. 4,814,853, 3-21-89, Cl. 357-51.000.
- Uchida, Yukimasa, to Kabushiki Kaisha Toshiba. Complementary MOS circuit having decreased parasitic capacitance. 4,837,460, 6-6-89, Cl. 307-296.800.
- Uchida, Yukio: *See—*
  - Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,847,169, Cl. 428-659.000.
  - Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,876,960, Cl. 148-127.000.
- Uchide, Hitoshi; Kuribayashi, Tetsuya; and Ohno, Manabu, to Canon Kabushiki Kaisha. Developer for developing electrostatic latent image and image forming method. 4,868,084, 9-19-89, Cl. 430-110.000.
- Uchihara, Hiroshi: *See—*
  - Tsuji, Katsuya; Yamada, Takeshi; and Uchihara, Hiroshi, 4,800,747, Cl. 73-19.000.
- Uchihara, Kiyoyuki, to Murata Kikai Kabushiki Kaisha. Pneumatic yarn splicing apparatus. 4,803,833, 2-14-89, Cl. 57-22.000.
- Uchihashi, Syozo; Yamamoto, Isao; and Takeno, Kenji, to Furuno Electric Company Limited. Transducer device. 4,866,682, 9-12-89, Cl. 367-153.000.

Uchikata, Yoshio: *See—*
    Asakura, Osamu; Uchikata, Yoshio; Kawazoe, Kenji; Sukigara, Akihiko; Shibamiya, Yoshikazu; and Mizoguchi, Shigeru, 4,887,096, Cl. 346-76.0PH.

Uchikawa, Akira, to Japan Electronic Control Systems Company, Limited. Air-fuel ratio control apparatus in internal combustion engine. 4,854,288, 8-8-89, Cl. 123-489.000.

Uchikawa, Akira: *See—*
    Nakaniwa, Shinpei; and Uchikawa, Akira, 4,878,473, Cl. 123-489.000.

Uchikawa, Naoshi: *See—*
    Murayama, Akira; Uchikawa, Naoshi; Kuroshima, Ryoichi; Kuno, Hiroaki; Arata, Tetsuya; and Shiibayashi, Masao, 4,818,195, Cl. 418-15.000.

Uchikawa, Sadao: *See—*
    Aoyama, Motoo; Bessho, Yasunori; Morimoto, Yuichi; Maruyama, Hiromi; and Uchikawa, Sadao, 4,826,654, Cl. 376-444.000.
    Aoyama, Motoo; Maruyama, Hiromi; Bessho, Yasunori; and Uchikawa, Sadao, 4,832,906, Cl. 376-419.000.
    Aoyama, Motoo; Bessho, Yasunori; Uchikawa, Sadao; Takeda, Renzo; and Ishii, Yoshihiko, 4,876,062, Cl. 376-444.000.
    Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.

Uchikawa, Tadao: *See—*
    Oota, Takashi; and Uchikawa, Tadao, 4,886,382, Cl. 400-124.000.

Uchikubo, Akinobu, to Olympus Optical Co., Ltd. Signal processing apparatus for endoscope capable of changing outline enhancement frequency. 4,882,623, 11-21-89, Cl. 358-98.000.

Uchikubo, Akinobu: *See—*
    Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
    Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.

Uchimi, Hiroshi: *See—*
    Onodera, Fumio; Uchimi, Hiroshi; and Koseki, Toshio, 4,883,671, Cl. 425-122.000.

Uchimura, Eikichi: *See—*
    Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.

Uchimura, Kiyoshi: *See—*
    Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.

Uchimura, Ryoji: *See—*
    Koshida, Takahisa; Uchimura, Ryoji; and Ogasawara, Takeshi, 4,853,196, Cl. 423-290.000.

Uchimura, Shun-ichiro: *See—*
    Kojima, Mitsumasa; Saito, Takayuki; Kikuchi, Toul; Uchimura, Shun-ichiro; Satou, Hidetaka; and Makino, Daisuke, 4,847,358, Cl. 528-353.000.

Uchinami, Masanobu; and Kimoto, Yasuhiro, to Mitsubishi Denki Kabushiki Kaisha. Fuel control apparatus for an n-cycle engine. 4,846,131, 7-11-89, Cl. 123-479.000.

Uchinami, Masanobu; Takahashi, Toshihisa; Suzuki, Hiroyoshi; Nishiyama, Ryoji; and Nishida, Shinichi, to Mitsubishi Denki Kabushiki Kaisha. Apparatus for controlling air-fuel ratio of internal combustion engine. 4,886,028, 12-12-89, Cl. 123-479.000.

Uchinami, Masanobu: *See—*
    Kishimoto, Yuji; and Uchinami, Masanobu, 4,884,540, Cl. 123-339.000.

Uchino, Fumiko: *See—*
    Iino, Syuji; Hotomi, Hideo; Saeki, Noboru; Fujiwara, Masanori; Uchino, Fumiko; and Osawa, Izumi, 4,797,338, Cl. 430-58.000.

Uchino, Fumio: *See—*
    Namba, Akihiro; Uchino, Fumio; Tateoka, Hitoshi; Ohno, Masahiro; Ando, Outaro; Karaki, Kouichi; and Nagasaki, Tatsuo, 4,826,319, Cl. 356-339.000.
    Tateoka, Hitoshi; and Uchino, Fumio, 4,881,618, Cl. 181-176.000.

Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I, Kanji, to Kawasaki Steel Corporation. Metal stripping system and an operation process therefor. 4,830,836, 5-16-89, Cl. 423-139.000.

Uchino, Kenji; and Ohnishi, Kazumasa, to Nissan Motor CO., Ltd.; and Alps Electric Co., Ltd. Linear motor. 4,857,791, 8-15-89, Cl. 310-321.000.

Uchino, Kenji; and Ohnishi, Kazumasa, to Alps Electric Co., Ltd. Shock preventing apparatus. 4,883,248, 11-28-89, Cl. 248-550.000.

Uchino, Kenji: *See—*
    Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.

Uchino, Setsuya, to Nihon Radiator Co., Ltd. Flat motor having a rotatable shaft, a stepped portion formed in said shaft, and apparatus for producing same. 4,829,208, 5-9-89, Cl. 310-268.000.

Uchino, Shoichi: *See—*
    Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nonogaki, Saburo; and Nishizawa, Masahiro, 4,857,429, Cl. 430-28.000.
    Nonogaki, Saburo; Morishita, Hajime; Hayashi, Nobuaki; Uchino, Shoichi; Tomita, Yoshifumi; Nishizawa, Masahiro; and Miura, Kiyoshi, 4,815,821, Cl. 350-164.000.

Uchisawa, Osamu: *See—*
    Ohmi, Tadahiro; Kanno, Yohichi; Uchisawa, Osamu; and Sato, Kazuhiko, 4,828,219, Cl. 251-118.000.

Uchitani, Nobuki: *See—*
    Harada, Kenichi; Uchitani, Nobuki, Kamohara, Tatuyoshi; Satoya, Koichi; and Kato, Takashi, 4,819,601, Cl. 123-438.000.
    Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.

Uchiya Termostat Co.: *See—*
    Kanezawa, Nobuyoshi, 4,876,422, Cl. 200-302.100.

Uchiyama, Akira; Masaki, Yuuichi; Iwabuchi, Toshiyuki; Nomoto, Tsutomu; and Sakamoto, Masaaki, to Oki Electric Industry Co., Ltd. Pin photodiode and method of fabrication of the same. 4,885,622, 12-5-89, Cl. 357-30.000.

Uchiyama, Akira; and Okamoto, Katsuo, to Mitsui Petrochemical Industries Ltd.; and Tokushu Shikiryo Color & Chemical Inc. Molded articles of thermoplastic elastomer. 4,889,762, 12-26-89, Cl. 428-195.000.

Uchiyama, Akira: *See—*
    Yonekura, Katsuyoshi; Uchiyama, Akira; and Matsuda, Akira, 4,800,130, Cl. 428-517.000.

Uchiyama, Atsushi: *See—*
    Iijima, Kenzaburou; Hayashi, Yoshinori; Suzuki, Makoto; and Uchiyama, Atsushi, 4,847,879, Cl. 377-43.000.

Uchiyama, Futoshi; Tsukamoto, Koichi; Kurashige, Tomoyoshi; Furusawa, Kaoru; and Koike, Mitsumaro, to Agency of Industrial Science and Technology; and Ministry of International Trade and Industry. Apparatus for continuous supply of fine powder, viscous fluid or the like at a constant rate. 4,836,417, 6-6-89, Cl. 222-63.000.

Uchiyama, Hirao; and Taguchi, Hiromi, to Nissan Motor Co., Ltd. Governor cap sealing structure of transmission gearbox. 4,881,659, 11-21-89, Cl. 220-319.000.

Uchiyama, Hiroki: *See—*
    Kadokawa, Yuichi; Uchiyama, Hiroki; and Yamada, Wa[illegible] 4,870,685, Cl. 381-31.000.

Uchiyama, Hiromi; and Nakano, Tsuyoshi, to Izumi Seimitsu Kogyo Kabushiki Kaisha. Fixing structure of blade force up spring for clothes shaver and electric shaver. 4,839,964, 6-20-89, Cl. 30-43.60[illegible]

Uchiyama, Hitoshi: *See—*
    Suehiro, Tsutomu; Uchiyama, Hitoshi; Inukai, Takahito; and Sato, Tsunenari, 4,858,016, Cl. 358-246.000.

Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, to Fuji Photo Film Co., Ltd. Film supplying apparatus. 4,831,401, 5-16-89, Cl. 354-319.000.

Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, to Fuji Photo Film Co., Ltd. Film supplying apparatus. 4,843,412, 6-27-89, Cl. 354-275.000.

Uchiyama, Kaoru; Ishizuka, Tetuya; and Sakamoto, Kiichiro, to Fuji Photo Film Co., Ltd. Light-sensitive material feeding rack. 4,887,11[illegible] 12-12-89, Cl. 354-320.000.

Uchiyama, Katsuhiko: *See—*
    Naito, Hideo; Matsuda, Tsukasa; and Uchiyama, Katsuhiko, 4,821,876, Cl. 242-71.100.

Uchiyama, Kazuo: *See—*
    Ohmi, Masatoshi; Uchiyama, Kazuo; and Yoneda, Toshihiko, 4,827,879, Cl. 123-52.0MV.

Uchiyama, Keiichi: *See—*
    Miyamoto, Yasuo; Arai, Katsuyoshi, and Uchiyama, Keiichi, 4,858,879, Cl. 248-562.000.

Uchiyama, Kenji; Ishizaki, Hideki; Utsunomiya, Hajime; and Takayama, Suguru, to TDK Corporation. Optical recording medium. 4,849,304, 7-18-89, Cl. 428-694.000.

Uchiyama, Kenji; Ishizaki, Hideki; and Takayama, Suguru, to TDK Corporation. Optical recording medium. 4,861,656, 8-29-89, Cl. 428-333.000.

Uchiyama, Kenji: *See—*
    Misawa, Akira; Sato, Hisatomo; Ishikawa, Keiichi; Shin, Masaaki; Fujiwara, Akio; Hisamatsu, Kazuo; Kawasaki, Shoji; and Uchiyama, Kenji, 4,833,057, Cl. 430-109.000.

Uchiyama, Kunio; and Nishimukai, Tadahiko, to Hitachi, Ltd. Virtual memory supported processor having restoration circuit for register recovering. 4,797,816, 1-10-89, Cl. 364-200.000.

Uchiyama, Kunio; Nishimukai, Tadahiko; and Hasegawa, Atsushi, to Hitachi, Ltd.; and Hitachi Microcomputer Engineering, Ltd. Buffer memory. 4,803,616, 2-7-89, Cl. 364-200.000.

Uchiyama, Kyoichi: *See—*
    Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.
    Usami, Saburo; Uchiyama, Kyoichi; and Suzuki, Satoshi, 4,875,837, Cl. 417-407.000.

Uchiyama, Masahiro, to Tokyo Electric Co., Ltd. Optical image sensor. 4,845,570, 7-4-89, Cl. 358-496.000.

Uchiyama, Masahiro, to Tokyo Electric Co., Ltd. Facsimile. 4,872,061, 10-3-89, Cl. 358-400.000.

Uchiyama, Masayuki: *See—*
    Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.

Uchiyama, Naoki: *See—*
    Kanehira, Katsuyuki; Takayama, Syuichi; Amano, Atsushi; Hibino, Hiroki; Uchiyama, Naoki; and Nakada, Akio, 4,872,458, Cl. 128-401.000.

Uchiyama, Nobuhito; Kamiya, Tamotsu; Shibayama, Yasuhiro; Takagi, Shigeo; and Katano, Sakae, to Furukawa Electric Co., Ltd., The. Apparatus for fabricating optical fiber preform. 4,813,989, 3-21-89, Cl. 65-1.000.

Uchiyama, Nobuhito: *See—*
    Kamiya, Tamotsu; Uchiyama, Nobuhito; and Shibayama, Yasuhiro, 4,832,721, Cl. 65-3.120.

Uchiyama, Shigeru, to Casio Computer Co., Ltd. Input apparatus of electronic system for extracting pitch data from input waveform signal. 4,841,827, 6-27-89, Cl. 84-1.010.

Uchiyama, Shigeru: *See—*
    Iba, Akio; and Uchiyama, Shigeru, 4,817,484, Cl. 84-1.160.

Uchiyama, Shinji: *See—*
    Sasaki, Akira; Uchiyama, Shinji; and Nagata, Yoshihisa, 4,810,387, Cl. 210-634.000.

Uchiyama, Shintaro, to Fuji Jukogyo Kabushiki Kaisha. Power transmitting system for a four-wheel drive vehicle. 4,875,698, 10-24-89, Cl. 180-233.000.

Uchiyama, Takashi; Homma, Yuji; Sakamoto, Tetsuya; Horiguchi, Satoru; Mizuno, Mikizo; and Obata, Hiroyuki, to Dai Nippon Insatsu Kabushiki Kaisha. Multicolor sublimation type thermal recording method including color and gradation correction and device therefor. 4,814,891, 3-21-89, Cl. 358-296.000.

Uchiyama, Takeshi: *See—*
    Sato, Hirochika; Nakayama, Haruo; Uchiyama, Takeshi; Hagami, Yoshihisa; and Sato, Yoshiro, 4,825,113, Cl. 370-2.000.

Uchiyama, Tetsuo: *See—*
    Sakuhara, Toshihiko; Sakai, Fumiki; and Uchiyama, Tetsuo, 4,837,435, Cl. 250-306.000.

Uchiyama, Tetsuya: *See—*
    Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Baba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.

Uchiyama, Toshihiko: *See—*
    Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, 4,855,993, Cl. 370-16.000.

Uchiyama, Yoshichika; and Tsuchiya, Atsushi, to Cosmo Instruments Co., Ltd. Apparatus for measuring a flow rate. 4,875,932, 10-24-89, Cl. 73-202.000.

Uchiyama, Yoshirou: *See—*
    Ueno, Ryuzo; Katsura, Shinichi; Uchiyama, Yoshirou; and Inoue, Satomi, 4,855,482, Cl. 560-56.000.

Uchtman, Vernon A., to Procter & Gamble Company, The. Kit for use in the treatment of osteoporosis. 4,812,311, 3-14-89, Cl. 424-112 000.

Uchytil, Thomas F.: *See—*
    Durbin, Richard D.; Lukens, Jean H.; Uchytil, Thomas F.; and Rhodehamel, Nicholas, 4,874,706, Cl. 435-253.300.

Ucker, John L.: *See—*
    Randa, James; and Ucker, John L., 4,819,697, Cl. 138-30.000.

Uckun, Fatih M. Monoclonal antibody specific for human B-cells. 4,831,117, 5-16-89, Cl. 530-387.000.

Uclaf, Roussel: *See—*
    Bonin, Werner; and Martel, Jacques, 4,826,874, Cl. 514-521.000.
    Coussediere, Daniel; Gigliotti, Giuseppe; and Moguilewsky, Martine, 4,873,256, Cl. 514-391.000.
    Tessier, Jean; Demoute, Jean-Pierre; and Taliani, Laurent, 4,798,901, Cl. 548-562.000.
    Tessier, Jean; DeMoute, Jean-Pierre; and Cadiergue, Joseph, 4,849,449, Cl. 514-521.000.

Ucosan B.V.: *See—*
    Dijkhuizen, Okko K., 4,856,125, Cl. 4-543.000.

Uda, Kazutaka: *See—*
    Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.

Uda, Masahiro; Ohno, Satoru; and Okuyama, Hideo, to National Research Institute for Metals. Process for producing ultrafine particles of ceramics. 4,889,665, 12-26-89, Cl. 264-10.000.

Uda, Masayuki; Tomioka, Yukio; Kouno, Chikara; Ishida, Hiroshi; and Yamauchi, Yukio, to Rikagaku Kenkyujyo. Open counter for low energy electron detection with suppressed background noise. 4,823,368, 4-18-89, Cl. 250-372.000.

Uda, Toyokazu: *See—*
    Matsumoto, Kentaro; Takaoka, Makoto; Fukumoto, Masami; Uda, Toyokazu; and Sugiura, Susumu, 4,860,026, Cl. 346-1.100.

Uda, Tsuyoshi: *See—*
    Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

Udagawa, Katsuhiro: *See—*
    Hamada, Takeaki; Okada, Akio; Abe, Kiyoshi; Udagawa, Katsuhiro; Okazaki, Fumitoshi; and Fujino, Kouji, 4,837,877, Cl. 5-10.00B.

Udagawa, Shigeo; Haruyama, Tetsuo; Orime, Nobutake; and Katagi, Takashi, to Mitsubishi Denki Kabushiki Kaisha. Antenna device. 4,827,270, 5-2-89, Cl. 343-853.000.

Udagawa, Shigeo: *See—*
    Haruyama, Tetsuo; Shiramatsu, Kuniaki; Udagawa, Shigeo; and Yoshikawa, Yukihiro, 4,835,540, Cl. 343-700.0MS.

Udagawa, Shigeru: *See—*
    Matsumoto, Takashi; and Udagawa, Shigeru, 4,860,662, Cl. 104-93.000.

Udagawa, Takatoshi: *See—*
    Kawai, Yoichi; Udagawa, Takatoshi; Imakita, Takeshi; and Yokote, Sachio, 4,885,162, Cl. 424-83.000.
    Kiyoshi, Nakatani; Numata, Satoshi; Kodaka, Kenji; Oda, Kengo; Shiraishi, Shiro; and Udagawa, Takatoshi, 4,814,340, Cl. 514-345.000.

Udagawa, Tetsuo: *See—*
    Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,086, Cl. 353-79.000.
    Tachibana, Hajime; Saito, Eichi; Fukuda, Hiroshi; Udagawa, Tetsuo; Ohgaki, Koji; and Kojima, Shigeru, 4,810,087, Cl. 353-79.000.

Udagawa, Tsunekazu; and Yamada, Yoshio, to Ishikawa Gasket Co., Ltd. Steel laminate type cylinder head gasket. 4,803,965, 2-[illegible]-89, Cl. 123-193.0CH.

Udagawa, Tsunekazu, to Ishikawa Gaskit Co., Ltd. Steel laminate gasket with high sealing ability. 4,807,892, 2-28-89, Cl. 277-23[illegible]0B.

Udagawa, Tsunekazu; and Yamada, Yoshio, to Ishikawa Gasket Co., Ltd. Steel laminate type cylinder head gasket. 4,809,653, 3-7-89, Cl. 123-193.0CH.

Udagawa, Tsunekazu, to Ishikawa Gasket Co., Ltd. Method of manufacturing a steel plate with a seal coating for a steel laminate gasket. 4,826,708, 5-2-89, Cl. 427-210.000.

Udagawa, Tsunekazu, to Ishikawa Gasket Co., Ltd. Gasket with elastic sealing members. 4,828,275, 5-9-89, Cl. 277-207.00R.

Udagawa, Tsunekazu; and Inamura, Susumu, to Ishikawa Gasket Co., Ltd. Steel laminate gasket. 4,834,399, 5-30-89, Cl. 277-234.000.

Udagawa, Tsunekazu, to Ishikawa Gasket Co., Ltd. Steel laminate gasket with separate beads. 4,861,046, 8-29-89, Cl. 277-235.00B.

Udagawa, Tsunekazu, to Ishikawa Gasket Co., Ltd. Steel laminate gasket with separate beads. 4,867,462, 9-19-89, Cl. 277-235.00B.

Udagawa, Tsunekazu; Hiramatsu, Yasuji; Nakasone, Hidetaka; and Yamada, Yoshio, to Ishikawa Gasket Co., Ltd. Steel laminate gaskets. 4,869,516, 9-26-89, Cl. 277-234.000.

Udagawa, Yoshiaki: *See—*
    Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, 4,879,632, Cl. 361-386.000.

Udagawa, Yoshio: *See—*
    Fujikake, Yoichi; Sugimoto, Takao; Tamaki, Kiyohide; and Udagawa, Yoshio, 4,821,575, Cl. 73-626.000.

Udagawa, Yutaka: *See—*
    Ishii, Hiroaki; Sato, Yukio; Udagawa, Yutaka; and Wataya, Masafumi, 4,821,065, Cl. 355-14.00E.

Udall, Humfrey N.: *See—*
    Rudd, Wallace C.; Udall, Humfrey N.; and Harriau, Robert R., 4,845,326, Cl. 219-8.500.

Udd, Eric: *See—*
    Cahill, Richard F.; Eck, Jeffrey A.; Schwantz, Gerald L.; Theriault, John P.; Turek, Philip A.; Udd, Eric; Wagoner, Raymond E.; and Wanser, Keith H., 4,834,493, Cl. 350-96.200.
    Michal, Ronald J.; Udd, Eric; and Cahill, Richard F., 4,875,775, Cl. 356-350.000.

Uddeholm Tooling Aktiebolag: *See—*
    Roberts, William; and Johansson, Borje, 4,863,515, Cl. 75-238.000.

Udding, Anne C., to Shell Oil Company. Process for the preparation of carboxylated propylene polymers. 4,849,477, 7-18-89, Cl. 525-184.000.

Udding, Anne C., to Shell Oil Company. Carboxylated propylene polymers. 4,861,843, 8-29-89, Cl. 525-373.000.

Uddo Jr., Joseph F.; and Breaux, John R. Secretion contaminated indwelling tube closed removal and disposal system. 4,878,762, 11-7-89, Cl. 383-33.000.

Uddo-Mims International, Inc.: *See—*
    Mims, Ken, 4,818,419, Cl. 210-796.000.
    Mims, Ken, 4,818,420, Cl. 210-798.000.

Ude, Werner: *See—*
    Besecke, Sigmund; Knebel, Joachim; Schroeder, Guenter; and Ude, Werner, 4,889,909, Cl. 528-125.000.

Udelhofen, John H.: *See—*
    Hunt, Mack W.; and Udelhofen, John H., 4,832,857, Cl. 252-33.000.

Udelhofen, Mark J., to Illinois Tool Works Inc. Belt loop stay. 4,819,303, 4-11-89, Cl. 24-182.000.

Udi Ag.: *See—*
    Pabst, Hans-Georg, 4,862,703, Cl. 62-229.000.

Udipi, Kishore, to Monsanto Company. Rubber modified reaction molded nylon-6 block copolymers. 4,882,382, 11-21-89, Cl. 525-66.000.

Udluft, Klaus: *See—*
    Stober, Reinhard; Fischer, Wolfgang; Huss, Michael; and Udluft, Klaus, 4,812,257, Cl. 252-182.320.

Udo, Eigi, to Nikko Industry Co., Ltd. Cooling apparatus for electric arc furnace electrodes. 4,852,120, 7-25-89, Cl. 373-95.000.

Udo, Tadashi: *See—*
    Takata, Naoto; Kanai, Seita; Araki, Nobuhiro; and Udo, Tadashi, 4,815,755, Cl. 280-690.000.

Udovich, Carl A., to Amoco Corporation. Oxidative alkoxycarbonylation of amines and amine derivatives. 4,876,379, 10-24-89, Cl. 560-158.000.

Udren, Eric A., to Westinghouse Electric Corp. Protective relaying apparatus for providing fault-resistance correction. 4,841,405, 6-20-89, Cl. 361-80.000.
Udren, Eric A., to Electric Power Research Institute, Inc. Power bus fault detection and protection system. 4,862,308, 8-29-89, Cl. 361-45.000.
Udseth, Harold R.: *See—*
Smith, Richard P.; Udseth, Harold R.; and Olivares, Jose A., 4,885,076, Cl. 204-299.00R.
Udvardi, Geza: *See—*
Bauer, Sandorne ; Biro , Zoltan; Doleschall, Sandor; Farkas, Eva; Milley, Gyula; Paal, Tibor; Szittar, Antal; Tiszai, Gyorgy; Udvardi, Geza; and Papay, Jozsef, 4,799,551, Cl. 166-303.000.
UE Systems, Inc.: *See—*
Biegel, Michael; and Goodman, Mark, 4,823,600, Cl. 73-592.000.
Ueba, Hisaaki; and Sunaga, Yoshio, to Kureha Kagaku Kogyo Kabushiki Kaisha; and Kureha Gosen Co., Ltd. String for a musical instrument. 4,833,027, 5-23-89, Cl. 428-364.000.
Ueba, Yoshinobu; and Matsumiya, Norifumi, to Sumitomo Electric Industries, Ltd. Alkyl methacrylate homo- or copolymer optical waveguide for illumination and production of the same. 4,828,359, 5-9-89, Cl. 350-96.340.
Ueba, Yoshinobu: *See—*
Mizoguchi, Akira; Shioya, Jun; Yamaguchi, Yoichi; Ueba, Yoshinobu; and Matsubara, Hironaga, 4,795,656, Cl. 427-38.000.
Uebel, Lutz: *See—*
Kieim, Karl Heinz; and Uebel, Lutz, 4,867,072, Cl. 105-133.000.
Ueberegger, Henry, to KMK Karl Magerle Lizenz AG. Method for joining overlapping edges of a multi-layer foil, and a tubular liner produced according to the method. 4,834,822, 5-30-89, Cl. 156-203.000.
Ueberle, Friedrich; and Riedlinger, Rainer, to Richard Wolf GmbH. Method for detection of cavitations during medical application of high sonic energy. 4,819,621, 4-11-89, Cl. 128-24.00A.
Ueberle, Friedrich: *See—*
Riedlinger, Rainer; and Ueberle, Friedrich, 4,805,622, Cl. 128-660.060.
Ueberreiter, Ekkehard: *See—*
Willberg, Hans H.; and Ueberreiter, Ekkehard, 4,889,242, Cl. 209-573.000.
Ueberschaer, Hubert. Rescue lift. 4,861,299, 8-29-89, Cl. 441-80.000.
Uecker, Dale A.; and Boltz, Keith R. Temperature insulating apparatus for improving the efficiency of an evaporative cooling unit. 4,838,038, 6-13-89, Cl. 62-304.000.
Uecker, Richard P., to Johnson Service Company. Gas valve using modular construction. 4,850,530, 7-25-89, Cl. 236-1.0EB.
Ueda, Akihiro; Nakaya, Fuminori; Yuhara, Kouhei; and Aoike, Nanjou, to Kabushiki Kaisha Toshiba. Apparatus for starting and operating a discharge lamp. 4,847,537, 7-11-89, Cl. 315-200.00R.
Ueda, Akio: *See—*
Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.
Ohnuma, Nobuyoshi; and Ueda, Akio, 4,838,828, Cl. 446-446.000.
Ohyama, Tetsuo; Akita, Shuichi; Watanabe, Hiroyuki; and Ueda, Akio, 4,848,511, Cl. 180-312.000.
Stein, Claude; Nagai, Hitoshi; Ueda, Akio, and Isomura, Satoru, 4,831,094, Cl. 526-283.000.
Ueda, Fusao: *See—*
Kimura, Kiyoshi; Ueda, Fusao; and Ogasawara, Takashi, 4,873,242, Cl. 514-242.000.
Kimura, Kiyoshi; Ueda, Fusao; and Tamura, Masaru, 4,874,762, Cl. 514-242.000.
Ueda, Hideaki; Yuge, Shizuo; and Konishi, Katsutoshi, to Minolta Camera Kabushiki Kaisha. Laminated type photosensitive member for electrophotography comprising a substrate of aluminate. 4,800,144, 1-24-89, Cl. 430-58.000.
Ueda, Hideaki, to Minolta Camera Kabushiki Kaisha. Photosensitive member with enamine charge transport material. 4,808,505, 2-28-89, Cl. 430-83.000.
Ueda, Hideaki, to Minolta Camera Kabushiki Kaisha. Photosensitive member having an azo compound. 4,810,608, 3-7-89, Cl. 430-73.000.
Ueda, Hideaki, to Minolta Camera Kabushiki Kaisha. Photosensitive member with enamine charge transport material. 4,810,609, 3-7-89, Cl. 430-83.000.
Ueda, Hideaki, to Yamada Hatsudoki Kabushiki Kaisha. Exhaust gas control means for motorcycle and the like. 4,831,823, 5-23-89, Cl. 60-313.000.
Ueda, Hideaki; Sakamoto, Mitsutoshi; and Ito, Kimiyuki, to Minolta Camera Kabushiki Kaisha. Function divided photosensitive member. 4,865,934, 9-12-89, Cl. 430-59.000.
Ueda, Hideaki, to Minolta Camera Kabushiki Kaisha. Photosensitive member comprising an azo pigment. 4,865,935, 9-12-89, Cl. 430-76.000.
Ueda, Hideaki, to Minolta Camera Kabushiki Kaisha. Photosensitive medium having a styryl charge transport material. 4,886,720, 12-12-89, Cl. 430-58.000.
Ueda, Hideaki: *See—*
Matsushima, Atsushi; and Ueda, Hideaki, 4,821,685, Cl. 123-52.0MF.
Ueda, Hideki; and Babano, Sotoaki, to NEC Corporation. Radio transceiver including an antenna switching circuit capable of changing reception sensitivity. 4,853,972, 8-1-89, Cl. 455-83.000.
Ueda, Hideshi; Okumura, Kazumasa; Morimoto, Masamichi; and Okahashi, Yoshikazu, to Matsushita Electric Industrial Co., Ltd. Shape recognition apparatus. 4,845,764, 7-4-89, Cl. 382-8.000.
Ueda, Hidetaka: *See—*
Sakakibara, Yutaka; Ueda, Hidetaka; and Majima, Kunio, 4,860,170, Cl. 362-26.000.
Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, to Otsuka Pharmaceutical Company, Limited. 1-cyclopropyl-6-fluoro-8-alkyl-1,4-dihydro-4-oxo-quinoline-3-carboxylic acid derivatives. 4,855,292, 8-8-89, Cl. 514-312.000.
Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, to Otsuka Pharmaceutical Company, Limited. Benzoheterocyclic compounds. 4,874,764, 10-17-89, Cl. 514-254.000.
Ueda, Hiraki; Miyamoto, Hisashi; Aki, Shinji; and Otsuka, Tatsuya, to Otsuka Pharmaceutical Company, Limited. 1-Cyclopropyl-6-fluoro-7-piperazinyl-1,4-Dihydro-4-oxo-quinoline-3-carboxylic acid derivatives. 4,880,806, 11-14-89, Cl. 514-249.000.
Ueda, Hiroo; and Yagi, Hiromitsu, to Ricoh Co., Ltd.; and Nintendo Co., Ltd. T.V. game system having reduced memory needs. 4,824,106, 4-25-89, Cl. 273-1.00E.
Ueda, Hiroshi; and Sugimoto, Mamoru, to Sumitomo Electric Industries, Ltd. Method and device for measuring clearances between gears. 4,811,490, 3-14-89, Cl. 33-179.50R.
Ueda, Hiroshi: *See—*
Hata, Yoshiaki; Taniguchi, Nobuyuki; Hoda, Takeo; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,860,039, Cl. 354-106.000.
Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,829,333, Cl. 354-412.000.
Inoue, Manabu; Taniguchi, Nobuyuki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,884,092, Cl. 354-289.100.
Inoue, Manabu; Taniguchi, Nobuyaki; Hata, Yoshiaki; Hoda, Takeo; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,115, Cl. 354-289.100.
Matsui, Toru; and Ueda, Hiroshi, 4,843,415, Cl. 354-403.000.
Matsushima, Toshiro; and Ueda, Hiroshi, 4,809,939, Cl. 248-430.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,812,871, Cl. 354-421.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,814,804, Cl. 354-202.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,843,418, Cl. 354-419.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,847,646, Cl. 354-106.000.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; Hoda, Takeo; and Ueda, Hiroshi, 4,862,201, Cl. 354-105.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,868,589, Cl. 354-127.100.
Taniguchi, Nobuyuki; Hata, Yoshiaki; Kudo, Yoshinobu; Inoue, Manabu; Hoda, Takeo; and Ueda, Hiroshi, 4,884,089, Cl. 354-222.000.
Taniguchi, Nobuyuki; Hoda, Takeo; Hata, Yoshiaki; Inoue, Manabu; Kudo, Yoshinobu; and Ueda, Hiroshi, 4,887,108, Cl. 354-195.100.
Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, 4,816,862, Cl. 354-412.000.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.
Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
Ueda, Hirotada; Matsushima, Hitoshi; Hagiwara, Yoshimune; and Kaneko, Kenji, to Hitachi, Ltd. Processor capable of executing one or more programs by a plurality of operation units. 4,821,187, 4-11-89, Cl. 364-200.000.
Ueda, Hirotada: *See—*
Kiuchi, Atsushi; Kaneko, Kenji; Ishida, Jun; Nakagawa, Tetsuya; Hagiwara, Yoshimune; and Ueda, Hirotada, 4,809,206, Cl. 364-724.010.
Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, to Canon Kabushiki Kaisha. Printing apparatus system with a plurality of interchangeable type units. 4,846,593, 7-11-89, Cl. 400-157.300.
Ueda, Hiroyuki, to Canon Kabushiki Kaisha. Output control system. 4,858,148, 8-15-89, Cl. 364-518.000.
Ueda, Hiroyuki, to Canon Kabushiki Kaisha. Word processor including spelling verifier and corrector. 4,859,091, 8-22-89, Cl. 400-63.000.
Ueda, Hiroyuki, to Canon Kabushiki Kaisha. Printing wheel discriminating apparatus. 4,872,773, 10-10-89, Cl. 400-144.200.
Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, to Canon Kabushiki Kaisha. Ink ribbon cassette including means for identifying the type of ink ribbon contained therein and containing an ink ribbon having end indication means. 4,880,325, 11-14-89, Cl. 400-249.000.
Ueda, Hiroyuki: *See—*
Kondo, Hiroatsu; Ozawa, Toshiaki; Nakajima, Hiroharu; and Ueda, Hiroyuki, 4,865,476, Cl. 400-144.200.
Ueda, Ikuo; Matsuo, Masaaki; Tsuji, Kiyoshi; Okumura, Hiroyuki; and Nakaguchi, Osamu, to Fujisawa Pharmaceutical Co., Ltd. Piperazine compounds and antithrombotic pharmaceutical composition comprising the same. 4,797,399, 1-10-89, Cl. 514-253.000.
Ueda, Katsuhiko: *See—*
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,818,307, Cl. 148-414.000.
Mori, Kazuhiko; Ueda, Katsuhiko; Takagi, Soya; and Kawasaki, Minoru, 4,832,982, Cl. 427-53.100.
Ueda, Kazuhiko, to Victor Company of Japan, Ltd. Solid-state imaging apparatus with a plurality of CCD storage sections. 4,837,630, 6-6-89, Cl. 358-213.260.
Ueda, Kazuhiko, to Victor Company of Japan, Ltd. Contour compensating circuit. 4,839,725, 6-13-89, Cl. 358-160.000.
Ueda, Kazuhiko: *See—*
Uchida, Hiroyasu; and Ueda, Kazuhiko, 4,878,460, Cl. 123-52.0MV.
Ueda, Kazuo, to Shikoku Kakoki Co., Ltd. Sealed paper container. 4,865,203, 9-12-89, Cl. 206-606.000.
Ueda, Ken: *See—*
Umetani, Keiji; Ueda, Ken; Suzuki, Ryuichi; and Yokouchi, Hisatake, 4,890,310, Cl. 378-82.000.
Ueda, Ken-ichi: *See—*
Sakakibara, Yasuzo; Ueda, Ken-ichi; and Tomita, Kouji, 4,835,308, Cl. 562-413.000.
Ueda, Kenichi: *See—*
Awaji, Toshio; Ueda, Kenichi; and Atobe, Daisuke, 4,837,280, Cl. 525-502.000.
Ueda, Kenji, to Omron Tateisi Electronics Co. Circuit resistance adjusting device. 4,799,043, 1-17-89, Cl. 340-825.060.
Ueda, Kenji: *See—*
Sekiguchi, Kunio; Kai, Hajime; Miyokawa, Masaru; and Ueda, Kenji, 4,850,211, Cl. 72-8.000.
Ueda, Kiichirou; and Arai, Norikazu, to Konishiroku Photo Industry Co., Ltd. Projection lens for a projector. 4,838,670, 6-13-89, Cl. 350-432.000.
Ueda, Kimio; and Andou, Hideki, to Mitsubishi Denki Kabushiki Kaisha. Light-actuated superconducting integrated circuit device. 4,847,514, 7-11-89, Cl. 307-245.000.
Ueda, Kiyotsugu: *See—*
Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.
Ueda, Kouhei, to Taisei Corporation. Reproduction process of the existing pipeline. 4,796,673, 1-10-89, Cl. 138-97.000.
Ueda, Kouhei, to Taisei Corporation. Method and apparatus for refurbishing deficient pipes. 4,830,538, 5-16-89, Cl. 405-184.000.
Ueda, Kouichi; Yamauchi, Kouichi; Takebayashi, Hiroaki; and Rokkaku, Kazuo, to Koyo Seiko Co., Ltd. Attaching structure for ceramics bearing. 4,808,014, 2-28-89, Cl. 384-492.000.
Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hirofumi; Toyama, Masamichi; and Yamada, Kunihiko, to Canon Kabushiki Kaisha. Focus detecting device using correlation. 4,871,906, 10-3-89, Cl. 250-201.000.
Ueda, Kouichi: *See—*
Amikura, Takashi; Fujiwara, Akihiro; Toyama, Masamichi; Ueda, Kouichi; and Kozuki, Susumu, 4,876,564, Cl. 354-400.000.
Ueda, Kouichiro; Tanaka, Satoru; Kunii, Toshinobu; Kagei, Kengo; Sato, Tadashi; Ono, Hideki; Ohtsuka, Issei; Kawase, Mayumi; Ohgoh, Toshiharu; and Wakabayashi, Tsuneo, to Eisai Co., Ltd. Hydantoin derivatives and medicines containing the same. 4,874,869, 10-17-89, Cl. 548-309.000.
Ueda, Kunihiro; Takasugi, Yasufumi; and Nakayama, Masatoshi, to TDK Corporation. Magnetic recording medium. 4,824,724, 4-25-89, Cl. 428-336.000.
Ueda, Kunihiro; and Nakayama, Masatoshi, to TDK Corporation. Magnetic recording medium and method of making. 4,863,811, 9-5-89, Cl. 428-694.000.
Ueda, Kunihiro: *See—*
Nakayama, Masatoshi; Takarugi, Yasufumi; and Ueda, Kunihiro, 4,844,978, Cl. 428-336.000.
Yokoyama, Kenji; Nakayama, Masatoshi; Maruta, Fumio; and Ueda, Kunihiro, 4,816,334, Cl. 428-336.000.
Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,880,687, Cl. 428-141.000.
Yokoyama, Kenji; Nakayama, Masatoshi; Shimozawa, Toru; Ueda, Kunihiro; and Maruta, Fumio, 4,889,767, Cl. 428-336.000.
Ueda, Makoto: *See—*
Misono, Shigemi; Ueda, Makoto; Shikino, Kazuto; Torii, Tomoyuki; Ishiyama, Keiichi; and Aoyagi, Toshiharu, 4,796,036, Cl. 346-108.000.
Yoshioka, Ritsuo; Ueda, Makoto; Motora, Yoichi; and Nakamura, Mitsuharu, 4,876,060, Cl. 376-333.000.
Ueda, Masaaki: *See—*
Toyonaga, Yufuko; Kimura, Suzushi; Ueda, Masaaki; Tabata, Osamu; and Kimura, Saburo, 4,859,496, Cl. 427-53.100.
Ueda, Masahide, to Minolta Camera Kabushiki Kaisha. Apparatus for developing electrostatic latent images. 4,800,412, 1-24-89, Cl. 355-3.0DD.
Ueda, Masahiro, to Mitsubishi Denki Kabushiki Kaisha. Bipolar transistor and CMOS transistor logic circuit having improved discharge capabilities. 4,880,998, 11-14-89, Cl. 307-446.000.
Ueda, Masahiro: *See—*
Asakura, Masahiko; Shiina, Takanori; Ueda, Masahiro; Kubota, Shinichi; Kawanabe, Tomohiko; Kushida, Noritaka; and Muroya, Minoru, 4,870,586, Cl. 364-431.060.
Ueda, Masanori; Abe, Masayuki; Shitani, Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, to Nippon Steel Corporation. Process for preparation of austenitic stainless steel having excellent seawater resistance. 4,883,544, 11-28-89, Cl. 148-2.000.
Ueda, Masaru: *See—*
Cho, Hidetsura; and Ueda, Masaru, 4,824,837, Cl. 514-356.000.
Ueda, Masashi; and Higashiyama, Shunichi, to Brother Kogyo Kabushiki Kaisha. Image recording apparatus using microcapsule carrying sheet and separate developer sheet. 4,847,661, 7-11-89, Cl. 355-27.000.
Ueda, Masashi; Horaguchi, Yoichi; and Sakakibara, Kenji, to Brother Kogyo Kabushiki Kaisha. Color picture image recording apparatus capable of adjusting color tone in the copy sheet. 4,875,073, 10-17-89, Cl. 355-27.000.
Ueda, Masashi: *See—*
Asano, Yuji; Ueda, Masashi; Higashiyama, Shunichi; Hayakawa, Kiyoharu; Matsumoto, Yumio; Sago, Akira; Takagi, Osamu; Sakai, Toshio; and Sawaki, Yukichi, 4,864,356, Cl. 355-30.000.
Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, 4,866,473, Cl. 355-27.000.
Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Takagi, Osamu, 4,870,451, Cl. 355-27.000.
Hayakawa, Kiyoharu; Matsumoto, Yumio; Ueda, Masashi; Sago, Akira; and Tagaki, Osamu, 4,878,084, Cl. 355-27.000.
Yamamoto, Takemi; Sakakibara, Kenji; and Ueda, Masashi, 4,806,982, Cl. 355-27.000.
Yamamoto, Takemi; and Ueda, Masashi, 4,829,340, Cl. 355-35.000.
Ueda, Masataka: *See—*
Ono, Mitsuaki; Ueda, Masataka; and Miyazaki, Osamu, 4,888,658, Cl. 360-126.000.
Ueda, Masaya: *See—*
Tamura, Mitsuhiko; Miyamoto, Masaaki; Ueda, Masaya; and Kamoshida, Eiichi, 4,804,720, Cl. 525-431.000.
Ueda, Mashiro: *See—*
Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru, Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
Ueda, Michio, to Shikoku Kakoki Co., Ltd. Apparatus for sterilizing containers. 4,803,055, 2-7-89, Cl. 422-297.000.
Ueda, Michio; and Shibata, Satoshi, to Brother Kogyo Kabushiki Kaisha. Control device for a stepping motor. 4,841,214, 6-20-89, Cl. 318-696.000.
Ueda, Mikio: *See—*
Takenawa, Seishi; Ueda, Mikio; and Takeda, Hideki, 4,842,873, Cl. 426-49.000.
Ueda, Minoru; Watanabe, Akio; and Shimamune, Takayuki, to Agency of Industrial Science & Technology; Ministry of International Trade & Industry; and Permelec Electrode, Ltd. Lead oxide-coated electrode for use in electrolysis and process for producing the same. 4,822,459, 4-18-89, Cl. 204-38.100.
Ueda, Minoru; Matsuda, Hideaki; and Murakami, Koichi, to Okura Kogyo Kabushiki Kaisha. Process of producing modified wood. 4,832,987, 5-23-89, Cl. 427-297.000.
Ueda, Minoru; and Kimoto, Hiroshi, to Ohtsu Tire & Rubber Co., Ltd., The. Sheet coated with beads and process for preparing same. 4,849,265, 7-18-89, Cl. 428-40.000.
Ueda, Minoru; Matsuda, Hideaki; and Mori, Hideki, to Okura Kogyo Kabushiki Kaisha. Process for producing plastic-like woody moldings from dibasic acid anhydrides and unsaturated monoglycidyl ethers. 4,888,403, 12-19-89, Cl. 527-103.000.
Ueda, Minoru: *See—*
Inouye, Yoshinori; Osawa, Yoshihiko; and Ueda, Minoru, 4,858,528, Cl. 101-175.000.
Ueda, Motohiko: *See—*
Adachi, Ikuo; Yamamori, Teruo; Ueda, Motohiko; and Sato, Hatsuo, 4,873,334, Cl. 514-303.000.
Ueda, Naoki: *See—*
Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, 4,816,332, Cl. 428-304.400.
Ueda, Nobuo: *See—*
Azuma, Makoto; Takahashi, Jun; Yamauchi, Hirohiko; and Ueda, Nobuo, 4,880,616, Cl. 424-1.100.
Hirasawa, Hideaki; and Ueda, Nobuo, 4,875,768, Cl. 353-27.00A.
Ito, Masaaki; Ueda, Nobuo; and Fujita, Masafumi, 4,825,243, Cl. 355-41.000.
Kurami, Miki; Shirakami, Yoshifumi; Takahashi, Keietsu; and Ueda, Nobuo, 4,855,353, Cl. 525-54.100.
Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
Ueda, Norihiro: *See—*
Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.

Ueda, Noriyoshi: *See—*
Hayakawa, Kimiaki; Ueda, Noriyoshi; and Hiroi, Masakazu, 4,850,581, Cl. 271-10.000.
Ueda, Ryuzo: *See—*
Takahashi, Toshitada; Ueda, Ryuzo; and Ohta, Kazuo, 4,855,235, Cl. 435-240.270.
Ueda, Sachio: *See—*
Ohtani, Yuzo; and Ueda, Sachio, 4,805,060, Cl. 360-132.000.
Ueda, Satoshi: *See—*
Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,808,416, Cl. 424-497.000.
Maekawa, Tohru; Ueda, Satoshi; Takigawa, Hiroshi; Kochi, Tetsuya; and Goto, Junjiro, 4,795,907, Cl. 250-352.000.
Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,871,549, Cl. 424-494.000.
Ueda, Seiichi: *See—*
Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.
Ueda, Seiji, to Matsushita Electronics Corporation. MOS capacitor with direct polycrystalline contact to grooved substrate. 4,797,719, 1-10-89, Cl. 357-23.600.
Ueda, Shigeharu; Ikuta, Kazuyoshi; Kato, Shiro; and Uchida, Tsuyoshi, to Sumitomo Chemical Company, Limited. H.I.V. treatment utilizing specific inhibitation of protein syntheses in a cell. 4,867,976, 9-19-89, Cl. 424-92.000.
Ueda, Shigeki, to Matsushita Electric Industrial Co., Ltd. Automatic heating appliance with ultrasonic sensor. 4,831,239, 5-16-89, Cl. 219-518.000.
Ueda, Shigeki, to Matsushita Electric Industrial Co., Ltd. Automatic heating appliance with food identifying function. 4,833,304, 5-23-89, Cl. 219-518.000.
Ueda, Shigenori: *See—*
Ehara, Toshiyuki; Ueda, Shigenori; and Yamazaki, Koji, 4,851,865, Cl. 346-160.100.
Ueda, Shigeo: *See—*
Sekimoto, Isao; Minara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, 4,805,299, Cl. 29-796.000.
Ueda, Shigeta: *See—*
Inaba, Hiromi; Shima, Seiya; Hokari, Sadao; Tobita, Toshimitsu; Takahashi, Hideaki; and Ueda, Shigeta, 4,829,416, Cl. 363-41.000.
Ueda, Shinichi; Ohtaka, Michihiro; and Nakayama, Yoshiaki, to Yazaki Corporation. Wire harness for automobile. 4,831,278, 5-16-89, Cl. 307-10.100.
Ueda, Shinichi; and Nakayama, Yoshiaki, to Yazaki Corporation. Wire harness arrangement for automotive vehicle. 4,869,670, 9-26-89, Cl. 439-34.000.
Ueda, Shinichi: *See—*
Nakayama, Yoshiaki; and Ueda, Shinichi, 4,800,648, Cl. 29-854.000.
Ueda, Shinji; and Nakajima, Junya, to Fuji Photo Film Co., Ltd. Method for processing silver halide color reversal photographic material. 4,804,616, 2-14-89, Cl. 430-379.000.
Ueda, Shinji; and Morimoto, Kiyoshi, to Fuji Photo Film Co., Ltd. Method of treating silver halide color photographic material with at least one ferric complex salt of an organic chelating compound. 4,804,618, 2-14-89, Cl. 430-393.000.
Ueda, Shinji; Mihayashi, Keiji; and Ichijima, Seiji, to Fuji Photo Film Co., Ltd. Processing of silver halide color photographic materials containing a compound releasing a specified development inhibitor. 4,818,664, 4-4-89, Cl. 430-430.000.
Ueda, Shinji; Hasebe, Kazunori; and Nakajima, Junya, to Fuji Photo Film Co., Ltd. Method for processing a silver halide color photographic material. 4,818,673, 4-4-89, Cl. 430-566.000.
Ueda, Shinjiro: *See—*
Tsutsumi, Yoshitsugu; Ueda, Shinjiro; and Otaka, Tadashi, 4,889,995, Cl. 250-441.100.
Ueda, Shinjiroo: *See—*
Matsumoto, Manabu; Ikeguchi, Takashi; Ueda, Shinjiroo; Sonobe, Tadasi; Murashita, Toru; Ido, Satoshi; Kuroishi, Kazuo; Kazawa, Yoshiaki; Kakiuchi, Shunji; and Kobari, Toshiaki, 4,853,640, Cl. 328-235.000.
Satou, Akihiko; Kusaka, Tadao; Tomiyama, Shigeo; Aoki, Kouzi; Gyobu, Ichiro; Muramatsu, Kimio; Sakamoto, Hiroaki; Ueda, Shinjiroo; Mase, Masahiro; and Nagaoka, Takashi, 4,835,114, Cl. 437-81.000.
Ueda, Shinobu: *See—*
Watanabe, Miyoichi; and Ueda, Shinobu, 4,871,976, Cl. 330-69.000.
Ueda, Shiro: *See—*
Sumimoto, Shinzaburo; Ishizuka, Ichiro; Kai, Hiroyuki; Ueda, Shiro; and Takase, Akira, 4,797,492, Cl. 548-245.000.
Sumimoto, Shinzaburo; Ishizuka, Ichiro; Ueda, Shiro; Kai, Hiroyuki; and Ide, Kinya, 4,888,044, Cl. 71-88.000.
Ueda, Shoji: *See—*
Kurachi, Tadashi; and Ueda, Shoji, 4,835,682, Cl. 364-200.000.
Ueda, Shuji; Nakata, Kunio; Inoue, Mamoru; and Fujino, Kazuhiko, to Matsushita Electric Industrial Co. Ltd. Apparatus for automatically performing plural sequential spherical grinding operations on workpieces. 4,829,716, 5-16-89, Cl. 51-134.000.
Ueda, Shuji; Shibuya, Chiuji; Kanehisa, Takashi; Fujishiro, Kenji; and Mochida, Shoro, to Matsushita Electric Industrial Co., Ltd. Optical pattern detecting apparatus. 4,866,258, 9-12-89, Cl. 235-472.000.
Ueda, Syuzo: *See—*
Imai, Yasuho; Tobe, Yoichiro; Moriyama, Ko; Yano, Seinosuke; Ueda, Syuzo; and Karino, Seimei, 4,814,141, Cl. 420-109.000.
Ueda, Takaharu; Yumura, Takashi; Funai, Kiyosi; and Yamamoto, Tetsu, to Mitsubishi Denki Kabushiki Kaisha. Head positioning assembly for magnetic disc apparatus. 4,819,106, 4-4-89, Cl. 360-106.000.
Ueda, Takaharu; Yumura, Takashi; Yamamoto, Tetsu; and Funai, Kiyosi, to Mitsubishi Denki Kabushiki Kaisha. Carriage recording head sandwiched by electromagnetic coil sections. 4,823,219, 4-18-89, Cl. 360-106.000.
Ueda, Takahisa; Sasakura, Hiroyuki; and Ikeda, Takashi, to Nippon Pillar Packing Co., Ltd. Structure of a gland packing box. 4,844,479, 7-4-89, Cl. 277-4.000.
Ueda, Takamasa: *See—*
Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.
Ueda, Takashi; and Sagane, Toshihiro, to Mitsui Petrochemical Industries, Ltd. Heat-fixable electrophotographic toner composition. 4,810,612, 3-7-89, Cl. 430-109.000.
Ueda, Takashi; Maruta, Keiichi; and Yaguchi, Hiroshi, to Ricoh Company, Ltd. Thermosensitive recording material. 4,857,502, 8-15-89, Cl. 503-217.000.
Ueda, Takeo: *See—*
Kurokawa, Koichi; Ueda, Takeo; and Osumi, Yoshiro, 4,848,212, Cl. 102-200.000.
Ueda, Tatsuya: *See—*
Yoshida, Toyohiko; and Ueda, Tatsuya, 4,802,112, Cl. 364-784.000.
Ueda, Tetsuya, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor card which can be folded. 4,849,617, 7-18-89, Cl. 235-492.000.
Ueda, Tetsuya: *See—*
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasama, Yasushi, 4,838,804, Cl. 439-325.000.
Banjo, Toshinobu; Ueda, Tetsuya; Onoda, Shigeo; and Kasama, Yasushi, 4,864,116, Cl. 235-492.000.
Shimamoto, Haruo; and Ueda, Tetsuya, 4,865,193, Cl. 206-330.000.
Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713, Cl. 357-70.000.
Ueda, Tetsuyuki: *See—*
Ishii, Hiroshi; Nakai, Shunji; Sawai, Hiroyuki; Ueda, Tetsuyuki; Hanato, Hiroyuki; and Iwamatsu, Tadashi, 4,866,463, Cl. 346-163.000.
Ueda, Tooru: *See—*
Fukukawa, Kiyofumi; Hirano, Takao; Tsujino, Masatoshi; and Ueda, Tooru, 4,816,575, Cl. 544-277.000.
Ueda, Toru; and Nishioka, Yoshiki, to Computer Basic Technology Research Association. Speech recognition system with generation of logarithmic values of feature parameters. 4,833,711, 5-23-89, Cl. 381-43.000.
Ueda, Toshiaki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera furnished with a zoom lens system and a strobe unit capable of changing angle of illumination. 4,847,647, 7-11-89, Cl. 354-149.100.
Ueda, Toshiaki; Nomura, Katsuhiko; and Takaoka, Yukio, to Asahi Kogaku Kogyo Kabushiki Kaisha. Battery receptacle. 4,863,812, 9-5-89, Cl. 429-9.000.
Ueda, Toshiaki: *See—*
Yakuyama, Takashi; and Ueda, Toshiaki, 4,882,527, Cl. 318-568.130.
Ueda, Toshihiko; and Konoma, Kunihiko, to Minolta Camera Kabushiki Kaisha. Variable magnification lens system with constant object-image distance. 4,805,999, 2-21-89, Cl. 350-425.000.
Ueda, Toshihiko, to Minolta Camera Kabushiki Kaisha. Zoom lens system for use in microfilm projection apparatus. 4,824,236, 4-25-89, Cl. 350-427.000.
Ueda, Toshihiko, to Minolta Camera Kabushiki Kaisha. Zoom lens system for use in microfilm projection apparatus. 4,838,667, 6-13-89, Cl. 350-427.000.
Ueda, Toshihiko, to Minolta Camera Kabushiki Kaisha. Zoom lens system for use in an image projecting apparatus with Kohler illumination. 4,865,431, 9-12-89, Cl. 350-427.000.
Ueda, Toshihiko, to Minolta Camera Kabushiki Kaisha. Zoom lens system for use in microfilm projection apparatus. 4,887,891, 12-19-89, Cl. 350-427.000.
Ueda, Toshio: *See—*
Kageno, Kenji; Ueda, Toshio; and Harada, Susumu, 4,812,540, Cl. 526-218.100.
Ueda, Toyoichi: *See—*
Inayoshi, Hideo; Suzuki, Akira; Tsubosaki, Kunihiro; Ueda, Toyoichi; Makino, Daisuke; Ichimura, Nobuo; and Suzuki, Kazunari, 4,803,543, Cl. 357-72.000.
Ueda, Tsunehiro: *See—*
Nakato, Hakaru; Nozaki, Tsutomu; Habu, Yasuhiro; Oka, Hiromu; Ueda, Tsunehiro; Koshikawa, Takao; Kishimoto, Hideaki; and Shimokawa, Fumitaka, 4,806,163, Cl. 106-38.220.
Ueda, Tsunehisa: *See—*
Hamaguchi, Tetsuo; Ueda, Tsunehisa; and Natsume, Tadao, 4,883,535, Cl. 106-93.000.
Miki, Yoshiaki; and Ueda, Tsunehisa, 4,797,274, Cl. 424-76.100.
Ueda, Yasuhiro, to Olympus Optical Co., Ltd. Medical tube to be inserted in body cavity. 4,799,474, 1-24-89, Cl. 128-4.000.
Ueda, Yasuhiro, to Olympus Optical Co., Ltd. Endoscope having optical elements that are resistant to condensation. 4,805,598, 2-21-89, Cl. 128-6.000.
Ueda, Yasuhiro; Nagai, Isao; Shinkai, Naruto; Nakazawa, Masaaki; and Terayama, Toshiki, to Olympus Optical Co., Ltd. Oviduct closing apparatus. 4,805,618, 2-21-89, Cl. 128-346.000.
Ueda, Yasuhiro, to Olympus Optical Co., Ltd. Endoscope with elastic actuator comprising a synthetic rubber tube with only radial expansion controlled by a mesh-like tube. 4,832,473, 5-23-89, Cl. 350-506.000.
Ueda, Yasuhiro: *See—*
Takehana, Sakae; Ueda, Yasuhiro; and Sakurai, Tomohisa, 4,884,557, Cl. 128-4.000.
Ueda, Yasuyoshi: *See—*
Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.
Ueda, Yoshihiro: *See—*
Hara, Kazuhiko; Ueguri, Shigeo; Iwata, Akihiko; Okamoto, Tatsuki; and Ueda, Yoshihiro, 4,815,091, Cl. 372-56.000.
Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890,294, Cl. 372-57.000.
Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, to Fujisawa Pharmaceutical Co., Ltd. Time-controlled explosion systems and processes for preparing the same. 4,871,549, 10-3-89, Cl. 424-494.000.
Ueda, Yoshio; Asakura, Sotoo; Murakami, Yoshio; and Nakate, Toshiomi, to Fujisawa Pharmaceutical Co., Ltd. Sustained-release percutaneous preparations. 4,889,721, 12-26-89, Cl. 424-448.000.
Ueda, Yoshio: *See—*
Omizono, Hitoshi; Sasaki, Hiroshi; Fukatsu, Yasuo; Ota, Saburo; and Ueda, Yoshio, 4,837,995, Cl. 52-223.00L.
Ueda, Youichi: *See—*
Wakabayashi, Hidehiko; Tsubuku, Takako; Ueda, Youichi; and Miyajima, Ryuichi, 4,849,238, Cl. 426-537.000.
Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.
Ueda, Yuji: *See—*
Kondo, Michitada; Minai, Masayoshi; Kai, Seiichi; Higashii, Takayuki; and Ueda, Yuji, 4,812,585, Cl. 549-483.000.
Ueda, Yukinori: *See—*
Masuda, Fumitoshi; and Ueda, Yukinori, 4,821,014, Cl. 338-164.000.
Matsui, Kenji; Numata, Toshi; Ueda, Yukinori; Ogawa, Tomohisa; and Ito, Kiyoshi, 4,821,015, Cl. 338-175.000.
Ueda, Yutaka; and Kawamura, Shuzo, to Murata Kikai Kabushiki Kaisha. Automatic winder. 4,805,846, 2-21-89, Cl. 242-36.000.
Ueda, Yutaka; Ikeda, Isamu; Kiriake, Masaharu; and Nakada, Kazuhiko, to Murata Kikai Kabushiki Kaisha. Method and apparatus for winding yarn in automatic winder. 4,809,919, 3-7-89, Cl. 242-35.50R.
Ueda, Yutaka; and Yamauchi, Toshio, to Murata Kikai Kabushiki Kaisha. Yarn defect detecting method. 4,817,425, 4-4-89, Cl. 73-160.000.
Ueda, Yutaka; Kawamura, Shuzo; Yamauchi, Toshio; and Ichiba, Yoshiyuki, to Murata Kikai Kabushiki Kaisha. Automatic winder. 4,830,296, 5-16-89, Cl. 242-18.00R.
Ueda, Yutaka, to Murata Kikai Kabushiki Kaisha. Spinning frame control system. 4,838,019, 6-13-89, Cl. 57-264.000.
Ueda, Yutaka; Tone, Shoichi; and Kawarabashi, Tsukasa, to Murata Kikai Kabushiki Kaisha. Interconnecting system for a winder and a two-for-one twisting machine. 4,848,076, 7-18-89, Cl. 57-281.000.
Ueda, Yutaka, to Murata Kikai Kabushiki Kaisha. Doffed package transporting system. 4,854,439, 8-8-89, Cl. 198-350.000.
Ueda, Yutaka; and Kiriake, Masaharu, to Murata Kikai Kabushiki Kaisha. Article selecting and conveying system. 4,854,453, 8-8-89, Cl. 209-583.000.
Ueda, Yutaka; and Noda, Eiji, to Ricoh Company, Ltd. Optical information recording medium. 4,861,637, 8-29-89, Cl. 428-65.000.
Ueda, Yutaka: *See—*
Yamamuro, Tetsu; and Ueda, Yutaka, 4,865,949, Cl. 430-272.000.
Yamauchi, Tosio; Tone, Shoichi; and Ueda, Yutaka, 4,880,175, Cl. 242-35.50R.
Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, to Sony Corporation. Method for manufacturing fine lead titanate powders. 4,810,484, 3-7-89, Cl. 423-598.000.
Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, to Sony Corporation. Method of manufacturing fine powder of lead stannate. 4,889,706, 12-26-89, Cl. 423-593.000.
Uede, Hisashi: *See—*
Endo, Yoshihiro; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,880,661, Cl. 427-38.000.
Harada, Shigeyuki; Ohba, Toshihiro; Kanatani, Yoshiharu; and Uede, Hisashi, 4,866,348, Cl. 315-169.300.
Isaka, Kinishi; Kawaguchi, Masashi; and Uede, Hisashi, 4,818,913, Cl. 315-169.300.
Nakamura, Noriaki; Isaka, Kinichi; Kawaguchi, Masashi; Kishishita, Hiroshi; and Uede, Hisashi, 4,814,237, Cl. 428-690.000.
Ohba, Toshihiro; Kinoshita, Hiroshi; Kanatani, Yoshiharu; and Uede, Hisashi, 4,801,920, Cl. 340-781.000.
Uede, Toshio: *See—*
Morioka, Takayuki; Motoyama, Nobuyuki; Hoshikawa, Hiroshi; Takahashi, Takeo; Suzuki, Sizuo; Ishikawa, Tuyoshi; Toyoshi, Takanori; and Uede, Toshio, 4,877,558, Cl. 252-626.000.
Uegaki Beika Kabushiki Kaisha: *See—*
Okayama, Tetsuro, 4,877,630, Cl. 426-302.000.
Ueguri, Shigeo: *See—*
Hara, Kazuhiko; Ueguri, Shigeo; Iwata, Akihiko; Okamoto, Tatsuki; and Ueda, Yoshihiro, 4,815,091, Cl. 372-56.000.
Ueha, Sadayuki; Kurosawa, Minoru; and Masuda, Michiyuki, to NGK Spark Plug Co., Inc. Ultrasonic driven type motor. 4,885,499, 12-5-89, Cl. 310-328.000.

Uehara, Aiichi: *See—*
Ishikawa, Hideaki; Abe, Osamu; and Uehara, Aiichi, 4,869,224, Cl. 123-489.000.
Uehara, Akira. Device for preventing scattering of molded articles ejected from resin molding machine. 4,828,477, 5-9-89, Cl. 425-151.000.
Uehara, Akira: *See—*
Nakayama, Muneo; Uehara, Akira; Hashimoto, Akira; Nishimura, Toshihiro; Hijikata, Isamu; Minato, Mitsuaki; and Kashiwagi, Eiichi, 4,868,096, Cl. 430-329.000.
Shibahara, Akihiro; Taguchi, Takehiko; Uehara, Akira; Shinohara, Koji; and Kawaguchi, Hiroshi, 4,880,318, Cl. 384-125.000.
Uehara, Kazuhiro, to Laurel Bank Machines Co., Ltd. Circulating-bill pressing-down apparatus for bill receiving and dispensing machine. 4,834,362, 5-30-89, Cl. 271-3.100.
Uehara, Kazuhiro, to Laurel Bank Machines Co., Ltd. Bill containing box apparatus of bill receiving and dispensing machine. 4,840,368, 6-20-89, Cl. 271-162.000.
Uehara, Kazuhiro: *See—*
Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, 4,854,452, Cl. 209-534.000.
Uehara, Kenji; Takayanagi, Shinji; and Oike, Ikuo, to Honda Giken Kogyo Kabushiki Kaisha. Rotary type hydraulic damper. 4,886,149, 12-12-89, Cl. 188-306.000.
Uehara, Kensuke: *See—*
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,881,266, Cl. 381-43.000.
Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,888,823, Cl. 381-43.000.
Uehara, Makoto; Matsumoto, Koichi; Suenaga, Yutaka; and Muramatsu, Kiyoyuki, to Nikon Corporation. Projection type exposure apparatus. 4,795,244, 1-3-89, Cl. 356-401.000.
Uehara, Makoto; Ichikawa, Hajime; Yomoto, Masahiko; and Kato, Shigeru, to Nikon Corporation. Light radiation apparatus. 4,859,832, 8-22-89, Cl. 219-411.000.
Uehara, Makoto: *See—*
Matsumoto, Koichi; Suenaga, Yutaka; Uehara, Makoto; and Muramatsu, Kiyoyuki, 4,798,962, Cl. 250-548.000.
Yomoto, Masahiko; Uehara, Makoto; Ichikawa, Hajime; and Kato, Shigeru, 4,890,245, Cl. 364-557.000.
Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, to Olympus Optical Co., Ltd. Electronic endoscopic apparatus isolated by differential type drive means. 4,868,647, 9-19-89, Cl. 358-98.000.
Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, to Olympus Optical Co., Ltd. Electronic endoscope apparatus using horizontal transfer clock of fixed frequency. 4,887,153, 12-12-89, Cl. 358-98.000.
Uehara, Masao: *See—*
Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.
Nishioka, Kimihiko; and Uehara, Masao, 4,831,437, Cl. 358-98.000.
Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, 4,862,873, Cl. 128-6.000.
Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, to Nippon Steel Corporation. Method of oscillating continuous casting mold at high frequencies and mold oscillated by such method. 4,867,226, 9-19-89, Cl. 164-478.000.
Uehara, Mikio: *See—*
Aoyama, Takeo; Imai, Teruo; Hattori, Junichi; and Uehara, Mikio, 4,876,049, Cl. 264-49.000.
Uehara, Osamu: *See—*
Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tatsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.
Uehara, Shoji: *See—*
Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo; Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.
Mikuriya, Kenta; Ohya, Akira; Nakagawara, Minoru; Hirukawa, Hideo; and Uehara, Shoji, 4,850,695, Cl. 356-237.000.
Uehara, Takashi: *See—*
Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, 4,885,833, Cl. 29-407.000.
Uehara, Toshihiro; and Watanabe, Rikizo, to Agency of Industrial Science & Technology, Ministry of International Trade & Industry. Alloys having excellent corrosion resistance. 4,882,124, 11-21-89, Cl. 420-74.000.
Uehara, Toshio: *See—*
Sato, Makoto; and Uehara, Toshio, 4,860,221, Cl. 364-522.000.
Uehara, Tsukasa, to Canon Kabushiki Kaisha. Loading device for a cassette having a cover member. 4,802,041, 1-31-89, Cl. 360-99.060.
Uehara, Tsukasa; and Sakata, Tsuguhide, to Canon Kabushiki Kaisha. Reproducing apparatus. 4,847,709, 7-11-89, Cl. 360-72.200.
Uehara, Tsukasa; Maeda, Masaya; and Nishimura, Akimasa, to Canon Kabushiki Kaisha. Recording and/or reproducing apparatus. 4,872,076, 10-3-89, Cl. 360-99.070.
Uehara, Tsukasa: *See—*
Okauchi, Shigeki; and Uehara, Tsukasa, 4,800,453, Cl. 360-99.020.

- Okauchi, Shigeki; and Uehara, Tsukasa, 4,807,069, Cl. 360-99.060.
- Uehara, Tsutomu: *See—*
  - Hosoya, Masahiro; Fujiwara, Shigeru; and Uehara, Tsutomu, 4,866,480, Cl. 355-245.000.
  - Tomura, Shinya; Okuyama, Tetsuo; Saito, Mitsunaga; and Uehara, Tsutomu, 4,833,059, Cl. 430-120.000.
- Uehara, Yasuhiko: *See—*
  - Ishigaki, Toshimasa; Uehara, Yasuhiko; Shoji, Fusaji; Sudo, Ryoichi; Iwami, Etsuji; and Izumi, Hirohumi, 4,866,338, Cl. 313-478.000.
  - Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.
- Uehara, Yumito: *See—*
  - Goko, Nobuaki, Uehara, Yumito; and Nishihara, Yasuhiro, 4,808,667, Cl. 525-247.000.
- Uehashi, Hiroyuki: *See—*
  - Hiejima, Kiyoshi; Uehashi. Hiroyuki; Kishitani, Yoriko; and Kojima, Toshitada, 4,864,068, Cl. 219-10.55B.
- Uehira, Shigeyuki, to Sharp Kabushiki Kaisha. Shielding of semiconductor module. 4,857,375, 8-15-89, Cl. 428-75.000.
- Uehira, Tetsuo; and Kimura, Akira, to Sony Corp. Apparatus for arraying parts on respective trays. 4,829,748, 5-16-89, Cl. 53-525.000.
- Uehlinger, Werner H.; and Franek, Jozef T., to KM-Engineering AG. Apparatus for making blanks and strips of blanks. 4,846,033, 7-11-89, Cl. 83-94.000.
- Uehori, Yuji: *See—*
  - Kakehi, Nobuo; Takahashi, Yuzuru; Higuchi, Norio; Izumihara, Yoshikazu; Matsumoto, Hiromi; and Uehori, Yuji, 4,876,874, Cl. 72-199.000.
- Uekama, Kaneto; Tahara, Yoshiyuki; Ijitsu, Takanori; and Yamada, Tadashi, to Nisshin Flour Milling Co., Ltd. Sustained release drug preparation. 4,869,904, 9-26-89, Cl. 424-400.000.
- Uekama, Kaneto: *See—*
  - Pitha, Josef; Harman, Mitchell; and Uekama, Kaneto, 4,877,774, Cl. 514-26.000.
- Uekawa, Yutaka; Takata, Shuji; and Goto, Michiyo, to Matsushita Electric Industrial Co., Ltd. Method for extracting formant frequencies. 4,882,758, 11-21-89, Cl. 381-50.000.
- Ueki, Kanji: *See—*
  - Munemasa, Shinichi; Ueki, Kanji; and Yoshino, Eiichi, 4,843,752, Cl. 43-140.000.
- Ueki, Kazuyeshi: *See—*
  - Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.
- Ueki, Kazuyoshi: *See—*
  - Suzuki, Shinji; Ueki, Kazuyoshi; Suzuki, Hiroko; and Mimura, Yoshiki, 4,868,095, Cl. 430-326.000.
  - Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,882,263, Cl. 430-328.000.
  - Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,888,271, Cl. 430-328.000.
- Ueki, Keiji: *See—*
  - Sawada, Kaname; Suzuki, Kazuo; Hasunuma, Shinji; Katayama, Eizo; Ohno, Motoyasu; Kanazawa, Tsukasa; and Ueki, Keiji, 4,839,879, Cl. 369-54.000.
- Ueki, Koji: *See—*
  - Tsutsui, Koichi; Ikeda, Shoji; and Ueki, Koji, 4,879,100, Cl. 422-186.050.
- Ueki, Kouichi; and Fujieda, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Temperature-adjustable water supply system. 4,867,375, 9-19-89, Cl. 236-12.120.
- Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Apparatus for forming deposited film. 4,803,947, 2-14-89, Cl. 418-719.000.
- Ueki, Masao; Hirooka, Masaaki; Hanna, Junichi; and Shimizu, Isamu, to Canon Kabushiki Kaisha. Method for forming deposited film by generating precursor with halogenic oxidizing agent. 4,861,623, 8-29-89, Cl. 427-69.000.
- Ueki, Masao: *See—*
  - Hirooka, Masaaki; Ueki, Masao; Hanna, Junichi; and Shimizu, Isamu, 4,812,331, Cl. 427-255.100.
  - Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,873,125, Cl. 427-248.100.
  - Matsuyama, Jinsho; Hirai, Yutaka; Ueki, Masao; and Sakai, Akira, 4,877,650, Cl. 427-248.100.
  - Takeuchi, Eiji; Hanna, Junichi; Shimizu, Isamu; Hirooka, Masaaki; Sakai, Akira; and Ueki, Masao, 4,842,897, Cl. 427-255.200.
- Ueki, Mitsuo: *See—*
  - Taniguchi, Yasuro; Sasaki, Ko; Ueki, Mitsuo; and Kobori, Keiichi, 4,830,930, Cl. 428-547.000.
- Ueki, Nobuhide: *See—*
  - Hashimoto, Youichi; Tokuyama, Takashi; Nishiga, Kazuya; Arai, Yoshihiro; Ueki, Nobuhide; and Adachi, Naoki, 4,862,170, Cl. 341-144.000.
- Ueki, Satoshi: *See—*
  - Kohara, Tadanao; and Ueki, Satoshi, 4,870,042, Cl. 502-114.000.
  - Kohara, Tadanao; and Ueki, Satoshi, 4,871,704, Cl. 502-114.000.
  - Makishima, Tokuo, deceased; Makishima, Nobuko, legal representative; Ueki, Satoshi; and Imai, Chihiro, 4,801,654, Cl. 525-333.700.
  - Tachikawa, Mamoru; Sakuma, Masato; Ueki, Satoshi; Imai, Chihiro; and Makishima, Tokuo, 4,849,483, Cl. 526-97.000.
- Ueki, Shigeru: *See—*
  - Isobe, Kunio; Hira, Takaaki; Naoi, Takayuki; Nikaido, Hideyuki; Fujiwara, Kozo; Ueki, Shigeru; Ishikawa, Kouzou; and Hanada, Toshihiro, 4,848,127, Cl. 72-206.000.
- Ueki, Tadao, to Kabushiki Kaisha Denkosha. Device and process for lighting a fluorescent discharge lamp. 4,806,830, 2-21-89, Cl. 315-244.000.
- Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hideo; and Miyazaki, Takashi, to Mitsui Toatsu Chemicals, Incorporated; and Toyo Seikan Kaisha Ltd. Polypropylene resin composition, a multi-layered sheet comprised thereof and a production process therefore. 4,826,735, 5-2-89, Cl. 428-476.100.
- Ueki, Toru: *See—*
  - Usami, Katsuyuki; Ueki, Toru; Sentoku, Hajime; Takahashi, Takashi; and Kanezaki, Kazuharu, 4,869,938, Cl. 428-34.300.
- Uekido, Kouzou: *See—*
  - Suzuki, Takao; and Uekido, Kouzou, 4,883,429, Cl. 439-74.000.
  - Takai, Nobuei; Sakamoto, Haruo; Uekido, Kouzou; and Nishiyama, Michiaki, 4,838,814, Cl. 439-620.000.
- Uekita, Masakazu, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for forming a film. 4,801,420, 1-31-89, Cl. 264-298.000.
- Uekita, Masakazu; and Awaji, Hiroshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Amphiphilic polyimide precursor containing c12-c30 hydrophobic groups and langmuir-blodgett films therefrom. 4,822,853, 4-18-89, Cl. 528-125.000.
- Uekita, Masakazu; and Awaji, Hiroshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Thin film and device having the same. 4,839,219, 6-13-89, Cl. 428-220.000.
- Uekita, Masakazu; and Awaji, Hiroshi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Ionic bond containing condensation polymers. 4,868,281, 9-19-89, Cl. 528-353.000.
- Uekubo, Yasuhiro: *See—*
  - Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.
  - Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.
- Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, to Fuji Photo Film Co., Ltd. Analyzer for ionic activity measurement. 4,797,193, 1-10-89, Cl. 204-416.000.
- Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, to Fuji Photo Film Co., Ltd. Simple inspection device for analyzer for ionic activity measurement. 4,832,617, 5-23-89, Cl. 204-401.000.
- Uekusa, Tadashi; Koizumi, Takashi; and Amano, Nobuhiko, to Fuji Photo Film Co., Ltd. Simple inspection device for analyzer for ionic activity measurment. 4,882,544, 11-21-89, Cl. 324-511.000.
- Uekusa, Tsutomu, to Kabushiki Kaisha Toshiba. Anti tapping system. 4,829,589, 5-9-89, Cl. 455-26.100.
- Uematsu, Hiroaki; and Imanishi, Shinji, to Horiba, Ltd. Method of measuring electrolyte in blood and urine by electrode method. 4,877,492, 10-31-89, Cl. 204-1.00T.
- Uematsu, Hiroshi: *See—*
  - Ashizawa, Kenji; and Uematsu, Hiroshi, 4,795,065, Cl. 222-541.000.
  - Tamaoki, Akimichi; Tanaka, Shinichiro; Kondo, Morio; Kawata, Masami; Hirose, Ichiro; Uematsu, Hiroshi; Minami, Kazuto; and Kobiyama, Mitsuyuki, 4,865,056, Cl. 131-337.000.
- Uematsu, Kaoru, to Tokyo Electric Co., Ltd. Label printer having both image and character data printing means. 4,862,194, 8-29-89, Cl. 346-76.0PH.
- Uematsu, Michio; and Suganuma, Nobuo, to Lion Corporation. Transparent dentifrices. 4,877,602, 10-31-89, Cl. 424-49.000.
- Uematsu, Reppei: *See—*
  - Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.
- Uematsu, Satoshi: *See—*
  - Yokota, Yukio; Iwase, Isao; and Uematsu, Satoshi, 4,796,124, Cl. 360-76.000.
- Uematsu, Shigeyuki: *See—*
  - Saeki, Hideo; and Uematsu, Shigeyuki, 4,824,748, Cl. 430-7.000.
- Uematsu, Takao; Suzuki, Hiroshi; Komatsuzaki, Shigeki; and Nakano, Fumio, to Hitachi, Ltd. Lubricant for cold plastic working of aluminum alloys. 4,803,000, 2-7-89, Cl. 252-32.500.
- Uematsu, Tamon: *See—*
  - Kusaba, Tomoyuki; Takahashi, Junya; Sugano, Masayo; Uematsu, Tamon; Oguri, Yukio; and Teramae, Tomohiro, 4,841,088, Cl. 558-417.000.
- Uematu, Hideaki, to Rigaku Denki Kabushiki Kaisha. X-ray generator selectively providing point- and line-focusing X-rays. 4,866,749, 9-12-89, Cl. 378-134.000.
- Uemori, Satoru: *See—*
  - Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguchi, Akihiko; and Ikeda, Yoshifumi, 4,889,857, Cl. 514-235.200.
- Uemoto, Atsuko: *See—*
  - Shigeta, Mitsuhiro; Suzuki, Akira; Furukawa, Katsuki; Fujii, Yoshihisa; Hatano, Akitsugu; Uemoto, Atsuko; and Nakanishi, Kenji, 4,865,659, Cl. 148-33.000.
- Uemoto, Katsunori: *See—*
  - Kurita, Yasuo; Kokubu, Masaaki; and Uemoto, Katsunori, 4,809,953, Cl. 254-250.000.
- Uemura, Akio: *See—*
  - Mochida, Ei; Uemura, Akio; Kato, Kazuo; Tokunaga, Hiroki; and Haga, Akinori, 4,839,368, Cl. 514-313.000.
- Uemura, Daisuke; Yamamoto, Toshihiro; Watanabe, Takeshi; Okanishi, Masanori; and Hirata, Yoshimasa, to Banyu Pharmaceutical Co., Ltd. Glycookadaic acid, preparation thereof and use thereof. 4,835,176, 5-30-89, Cl. 514-456.000.

- Uemura, Haruo, to Dainippon Screen Mfg., Co., Ltd. Fly's eye lens unit for illumination system. 4,884,869, 12-5-89, Cl. 350-169.000.
- Uemura, Haruo: *See—*
  - Endo, Kenji; Nagata, Shinichi; and Uemura, Haruo, 4,878,745, Cl. 350-469.000.
- Uemura, Hideki: *See—*
  - Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Uemura, Hideki; and Yamamoto, Kazuo, 4,839,915, Cl. 378-105.000.
- Uemura, Hiromi: *See—*
  - Fujitani, Takashi; Uemura, Hiromi; Kishimoto, Toshiaki; Uchiyama, Masayuki; Shirasu, Isao; Kurokawa, Hideyuki; Nishioka, Takashi; Kikukawa, Kenji; and Sato, Yoshinori, 4,883,185, Cl. 212-147.000.
- Uemura, Hiroshi: *See—*
  - Tsubouchi, Kaoru; Yamazaki, Takeo; Tachino, Tomio; Inaba, Takuya; Nakagiri, Yoshihiro; Uemura, Hiroshi; and Shibatani, Juichi, 4,805,480, Cl. 74-503.000.
- Uemura, Hiroyuki: *See—*
  - Mochizuki, Hidehiro; Imamura, Masanaga; Suzuki, Akira; Shimada, Masaru; and Uemura, Hiroyuki, 4,880,768, Cl. 503-227.000.
- Uemura, Isao; Takagaki, Yasuo; Arai, Yoshitaka; and Ami, Isamu, to Ajinomoto Co., Inc. Process for producing pasta sheets. 4,830,867, 5-16-89, Cl. 426-557.000.
- Uemura, Isao; and Ishihata, Mitsuhiro, to Ajinomoto Co., Inc. Low fat foods. 4,844,922, 7-4-89, Cl. 426-104.000.
- Uemura, Isao: *See—*
  - Hayashi, Kunioki; Tanaka, Hironori; Sasagawa, Tsutomu; Uemura, Isao; and Aizawa, Akira, 4,858,560, Cl. 119-1.000.
- Uemura, Minoru: *See—*
  - Narita, Hiroshi; Uemura, Minoru; and Mori, Yoshitada, 4,824,229, Cl. 350-531.000.
- Uemura, Morito: *See—*
  - Brandt, Alan F.; and Uemura, Morito, 4,797,356, Cl. 435-7.000.
- Uemura, Noboru, to TDK Corporation. Magnetic tape cassette. 4,850,547, 7-25-89, Cl. 242-198.000.
- Uemura, Noboru: *See—*
  - Fujita, Motoyoshi; Kunuki, Akikazu; Uemura, Noboru; Kotani, Tsutomu; Shunpei, Saeki; and Kawano, Toshiharu, 4,849,843, Cl. 360-128.000.
- Uemura, Seiichi; Sohda, Yoshio; Ido, Yasuji; and Yamamoto, Shunichi, to Nippon Oil Company, Limited. Process for fabricating carbon/-carbon composite. 4,849,200, 7-18-89, Cl. 423-447.400.
- Uemura, Seiichi: *See—*
  - Maeda, Naoyuki; Nii, Akira; Yamamoto, Shunichi; and Uemura, Seiichi, 4,850,836, Cl. 425-72.200.
- Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, to Sharp Kabushiki Kaisha. Data processing device for reading coded signals in synchronization with the display frequencies. 4,835,609, 5-30-89, Cl. 358-142.000.
- Uemura, Tadahiro: *See—*
  - Sasaki, Tatsuo; Fujimaki, Hideo; Uemura, Tadahiro; and Kurihara, Masaru, 4,857,363, Cl. 427-245.000.
- Uemura, Toyohide: *See—*
  - Miura, Akira; Takata, Kanji; Okazaki, Ryoji; Uemura, Toyohide; and Kagawa, Keiichi, 4,861,688, Cl. 429-206.000.
- Uemura, Yahiro: *See—*
  - Hirao, Yutaka; Uriyu, Katuhiro; Takechi, Kazuo; and Uemura, Yahiro, 4,845,199, Cl. 530-387.000.
  - Hirao, Yutaka; Takechi, Kazuo; Uriyu, Katuhiro; and Uemura, Yahiro, 4,876,088, Cl. 424-85.800.
- Uemura, Yuji: *See—*
  - Oshita, Saiichiro; Mouri, Toyohiko; and Uemura, Yuji, 4,800,975, Cl. 180-142.000.
- Uemura, Yukikazu: *See—*
  - Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.
- Uenaka, Kazushige; Takase, Haruo; Utomo, Riuzi; and Akimoto, Masuo, to Fuji Photo Film Co., Ltd. Film feeding apparatus. 4,797,698, 1-10-89, Cl. 354-275.000.
- Uenaka, Kazushige: *See—*
  - Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,857,441, Cl. 430-393.000.
  - Abe, Akira; Nakajima, Junya; Takase, Haruo; Uenaka, Kazushige; and Otomo, Ruyzi, 4,876,180, Cl. 430-393.000.
  - Takase, Haruo; Uenaka, Kazushige; Abe, Akira; and Fujita, Yoshihiro, 4,857,950, Cl. 354-324.000.
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,831,401, Cl. 354-319.000.
  - Uchiyama, Kaoru; Takase, Haruo; Sakamoto, Kiichiro; Uenaka, Kazushige; Kokubu, Masakazu; and Akimoto, Masuo, 4,843,412, Cl. 354-275.000.
- Uenaka, Yukio: *See—*
  - Suzuki, Noboru; Toji, Shigeo; and Uenaka, Yukio, 4,876,603, Cl. 358-227.000.
- Ueng, Ming-Shean. Mirror assemblies with universal joints. 4,802,751, 2-7-89, Cl. 350-626.000.
- Uenishi, Kazuya; Kokubo, Tadayoshi; and Kawabe, Yasumasa, to Fuji Photo Film Co., Ltd. Positive-working photoresist composition. 4,871,645, 10-3-89, Cl. 430-192.000.
- Uenishi, Kazuya: *See—*
  - Kawabe, Yasumasa; Uenishi, Kazuya; and Kokubo, Tadayoshi, 4,863.828, Cl. 430-191.000.
- Uenishi, Yuuji: *See—*
  - Ukita, Hiroo; Katagiri, Yoshitada: Sawada, Renshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima. Tomoyuki; and Mise, Keisuke, 4,860,276, Cl. 369-119.000.
- Ueno, Akira: *See—*
  - Kobayashi, Mikio; and Ueno, Akira, 4,887,120, Cl. 354-416.000.
  - Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.
  - Sakaguchi, Touru; Takahashi, Akira; and Ueno, Akira, 4,809,031, Cl. 354-429.000.
- Ueno, Atushi: *See—*
  - Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.
- Ueno, Chizuru: *See—*
  - Saito, Toshiaki; Ueno, Chizuru; and Sunada, Fumiyuki, 4,861,603, Cl. 426-93.000.
- Ueno, Eizi; and Takayama, Masami, to Pioneer Electronic Corporation. Space diversity receiving system. 4,864,642, 9-5-89, Cl. 455-277.000.
- Ueno, Fumio; Yamakawa, Takeshi; and Shirai, Yuji, to Omron Tateisi Electronics Co. Fuzzy logic semifinished integrated circuit. 4,860,243, 8-22-89, Cl. 364-807.000.
- Ueno, Fumio: *See—*
  - Horiguchi, Akihiro; Ueno, Fumio; Kasori, Mitsuo; Sato, Yoshiko; Hayashi, Masaru; Endo, Hiroshi; Shinozaki, Kazuo; and Tsuge, Akihiko, 4,847,221, Cl. 501-98.000.
  - Kasori, Mituo; Shinozaki, Kazuo; Anzai, Kazuo; Tsuge, Akihiko; Imagawa, Hiroshi; Takano, Takeshi; Ueno, Fumio; Horiguchi, Akihiro; and Inoue, Hiroshi, 4,883,780, Cl. 501-96.000.
- Ueno, Haruyuki: *See—*
  - Hamamatu, Takashi; Sato, Nobuhiro; and Ueno, Haruyuki, 4,832,771, Cl. 156-89.000.
  - Sato, Nobuhiro; Ueno, Haruyuki; Katsura, Yuji; and Hamamatu, Takashi, 4,832,888, Cl. 264-63.000.
- Ueno, Hideo; and Yamada, Shigeto, to Brother Kogyo Kabushiki Kaisha. Document processor. 4,823,288, 4-18-89, Cl. 364-519.000.
- Ueno, Hideo, to Brother Kogyo Kabushiki Kaisha. Character-erasable printing apparatus. 4,834,567, 5-30-89, Cl. 400-697.100.
- Ueno, Hideo; Shibata, Satoshi; and Yamada, Keiko, to Brother Kogyo Kabushiki Kaisha. Data input device having switch matrix scanning means. 4,853,695, 8-1-89, Cl. 341-26.000.
- Ueno, Hideo: *See—*
  - Mori, Masaharu; Ueno, Hideo; Yamakawa, Kiyoshi; Kawakami, Yuji; and Sasaki. Ryoichi, 4,834,566, Cl. 400-697.000.
- Ueno, Hideyuki, to Toska Co., Ltd. Fastener. 4,854,014, 8-8-89, Cl. 24-16.0PB.
- Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, to Koyo Seiko Co., Ltd. Method of making a bearing. 4,821,385, 4-18-89, Cl. 29-148.40A.
- Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, to Koyo Seiko Co., Ltd. Bearing. 4,872,771, 10-10-89, Cl. 384-492.000.
- Ueno, Hiroshi: *See—*
  - Imazu, Katsuhiro; Horiguchi, Makoto; Matsubayashi, Hiroshi; Kobayashi, Seishichi; Taira, Kazuo; and Ueno, Hiroshi, 4,863,063, Cl. 220-458.000.
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,311, Cl. 502-111.000.
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,312, Cl. 502-111.000.
  - Murata, Masahide; Imai, Masafumi; Furuhashi, Hiroyuki; Maruyama, Kouji; and Ueno, Hiroshi, 4,814,313, Cl. 502-111.000.
  - Nakayama, Okihiko; Itoh, Toshiyuki; and Ueno, Hiroshi, 4,796,189, Cl. 364-449.000.
  - Peppers, Norman A.; Young, James R.; Nishi, Hisami; and Ueno, Hiroshi, 4,817,169, Cl. 382-9.000.
  - Peppers, Norman A.; Young, James R.; Nishi, Hisami; Ueno, Hiroshi; and Katsuki, Kazuo, 4,827,529, Cl. 382-9.000.
- Ueno, Ichiro: *See—*
  - Toyonaga, Keiji; and Ueno, Ichiro, 4,886,155, Cl. 198-377.000.
- Ueno, Iowa: *See—*
  - Purcey, Larry J.; VanderHoff, Douglas A.; Vreeland, Robert H.; Nielsen, James P.; and Ueno, Iowa, 4,835,802, Cl. 5-453.000.
- Ueno, Isamu: *See—*
  - Sugawa, Shigetoshi; Nakamura, Yoshio; Tanaka, Nobuyoshi; and Ueno, Isamu, 4,879,470, Cl. 250-578.000.
- Ueno, Katsuhiko: *See—*
  - Sasaki, Takayuki; Ueno, Katsuhiko; Ichimura, Eiichi; and Kodama, Yasumasa, 4,816,928, Cl. 360-35.100.
- Ueno, Katsuji: *See—*
  - Saeki, Tadashi; Ikawa, Kiyoshi; Kurita, Seiji; and Ueno, Katsuji, 4,824,905, Cl. 525-66.000.
- Ueno, Katsumi, to Diesel Kiki Co., Ltd. Shuttle valve device. 4,856,549, 8-15-89, Cl. 137-112.000.
- Ueno, Katsunobu; and Hataishi, Osamu, to Fujitsu Limited. Semiconductor device with shallow n-type region with arsenic or antimony and phosphorus. 4,875,085, 10-17-89, Cl. 357-34.000.
- Ueno, Katsunori, to Fuji Electric Co., Ltd. Conductivity modulation type vertical MOS-FET. 4,851,888, 7-25-89, Cl. 357-23.400.
- Ueno, Kazuhiro: *See—*
  - Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,824,430, Cl. 494-22.000.
  - Kashihara, Hidechiyo; Nemoto, Shin-ichi; and Ueno, Kazuhiro, 4,857,040, Cl. 494-22.000.
- Ueno, Keiji, to Sumitomo Electric Industries, Ltd. Article having thermal recovery property. 4,820,782, 4-11-89, Cl. 525-454.000.

Ueno, Kouji, to Fujitsu Limited. Semiconductive memory device with current control and comparison means to reduce power consumption and increase operating speed. 4,800,529, 1-24-89, Cl. 365-189.000.

Ueno, Kouji; Naito, Takamitsu; and Nakajima, Yoshitaka, to Fujitsu Limited; and Fujitsu VLSI Limited. Semiconductor memory device using junction short type programmable element. 4,835,590, 5-30-89, Cl. 357-51.000.

Ueno, Masahiro; Kurita, Kozaburo; Masuda, Ikuro; and Miyakawa, Nobuaki, to Hitachi, Ltd. Level converting circuit for converting voltage levels, including a current amplifying arrangement. 4,797,583, 1-10-89, Cl. 307-475.000.

Ueno, Masahiro; Iwamura, Masahiro; Kurita, Kozaburo; and Masuda, Ikuro, to Hitachi, Ltd. Schottky diode formed on MOSFET drain. 4,801,983, 1-31-89, Cl. 357-15.000.

Ueno, Masahito, to Alps Electric Co., Ltd. Apparatus for controlling the speed of an internal combustion engine vehicle. 4,852,011, 7-25-89, Cl. 364-431.070.

Ueno, Masaji, to Kabushiki Kaisha Toshiba. BicMO logic circuit. 4,839,537, 6-13-89, Cl. 307-446.000.

Ueno, Masaji, to Kabushiki Kaisha Toshiba. Tri-state output circuit. 4,839,540, 6-13-89, Cl. 307-473.000.

Ueno, Masaji; and Masuoka, Hideaki, to Kabushiki Kaisha Toshiba. Bipolar-MOS logic circuit with high speed operation. 4,841,172, 6-20-89, Cl. 307-443.000.

Ueno, Masaji, to Kabushiki Kaisha Toshiba. Bi-MOS logic circuit having a totem pole type output buffer section. 4,845,386, 7-4-89, Cl. 307-446.000.

Ueno, Masaji, to Kabushiki Kaisha Toshiba. Logic circuit having an output signal with a gentle leading edge. 4,877,975, 10-31-89, Cl. 307-443.000.

Ueno, Masao: *See—*

Sato, Kiyoshi; Morimoto, Yasunori; Sugibayashi, Kenji; and Ueno, Masao, 4,832,954, Cl. 424-449.000.

Ueno, Masayuki: *See—*

Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,825,834, Cl. 123-463.000.

Toshimitsu, Kazushige; Ueno, Masayuki; and Igarashi, Hisashi, 4,883,039, Cl. 123-463.000.

Ueno, Minoru. Card case with a magnifying glass. 4,805,680, 2-21-89, Cl. 150-147.000.

Ueno, Moriaki: *See—*

Igarashi, Sadao; and Ueno, Moriaki, 4,799,033, Cl. 333-134.000.

Ueno, Ryuji: *See—*

Hayaishi, Osamu; Ueno, Ryuji; and Kuno, Sachiko, 4,880,742, Cl. 435-238.000.

Ueno, Ryuzo; Ueno, Ryuji; Kuno, Sachiko; and Tabata, Akihiko, 4,840,941, Cl. 514-59.000.

Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, 4,868,203, Cl. 514-423.000.

Ueno, Ryuzo; and Ueno, Ryuji, 4,869,270, Cl. 128-844.000.

Ueno, Ryuzo; Ito, Shigeru; Fujimoto, Shin; and Iwao, Mayumi, to Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo. Process for producing azo pigment. 4,804,415, 2-14-89, Cl. 106-496.000.

Ueno, Ryuzo; and Fujita, Yatsuka, to Ueno Seiyaku Kabushiki Kaisha. Production of frozen surimi. 4,806,378, 2-21-89, Cl. 426-643.000.

Ueno, Ryuzo; Ueno, Ryuji; Kuno, Sachiko; and Tabata, Akihiko, to Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo. Method for inhibiting infection of human T-cells. 4,840,941, 6-20-89, Cl. 514-59.000.

Ueno, Ryuzo; Katsura, Shinichi; Uchiyama, Yoshirou; and Inoue, Satomi, to Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo. New compounds and their application. 4,855,482, 8-8-89, Cl. 560-56.000.

Ueno, Ryuzo; Ueno, Ryuji; Kita, Hiroshi; Kato, Ichie; Tabata, Akihiko; and Hironaka, Takashi, to Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo. Bacterial substance and pharmaceutical composition thereof. 4,868,203, 9-19-89, Cl. 514-423.000.

Ueno, Ryuzo; and Ueno, Ryuji, to Kabushiki Kaisha Ueno Seiyaku Oyo Kenkyujo. Condom. 4,869,270, 9-26-89, Cl. 128-844.000.

Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, to Kureha Kagaku Kogyo Kabushiki Kaisha. Nitrogen-containing polysaccharide. 4,851,395, 7-25-89, Cl. 514-54.000.

Ueno, Sadayasu, to Hitachi, Ltd. Life diagnosis apparatus for automotive battery. 4,888,716, 12-19-89, Cl. 364-550.000.

Ueno, Satoshi, to Omron Tateisi Electronics Co.; and Isao KAI. Electronic blood pressure meter having means for detecting artifacts. 4,870,973, 10-3-89, Cl. 128-680.000.

Ueno Seiyaku Kabushiki Kaisha: *See—*

Hayaishi, Osamu; Ueno, Ryuji; and Kuno, Sachiko, 4,880,742, Cl. 435-238.000.

Ueno, Ryuzo; and Fujita, Yatsuka, 4,806,378, Cl. 426-643.000.

Ueno, Shinichiro: *See—*

Fukukita, Hiroshi; Ueno, Shinichiro; Tone, Masayuki; and Yano, Tsutomu, 4,817,615, Cl. 128-660.020.

Fukukita, Hiroshi; Ueno, Shinichiro; Yano, Tsutomu; and Furuya, Nobuaki, 4,844,082, Cl. 128-660.060.

Ueno, Shoji; Yamada, Yasuhiro; and Inoue, Yasuo, to Victor Company of Japan, Ltd. Code error correcting circuit. 4,835,629, 5-30-89, Cl. 360-53.000.

Ueno, Shoji: *See—*

Yamada, Yasuhiro; Ueno, Shoji; and Yoshida, Shiro, 4,839,755, Cl. 371-38.000.

Ueno, Susumu: *See—*

Nakanishi, Toru; Hoshida, Shigehiro; and Ueno, Susumu, 4,824,717, Cl. 428-255.000.

Yamato, Motoyuki; Ueno, Susumu; Okumura, Kinichi; and Fuchi, Masao, 4,853,435, Cl. 525-193.000.

Ueno, Tadashi, to Matsuo Kogyo Kabushiki Kaisha. Clutch mechanism thumb button mounting for fishing reel. 4,819,893, 4-11-89, Cl. 242-220.000.

Ueno, Takeshi, to Ricoh Company, Ltd. Signal preprocessing circuit of a line sensor. 4,868,685, 9-19-89, Cl. 358-461.000.

Ueno, Takeshi: *See—*

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,876,952, Cl. 98-121.200.

Kuno, Toshio; Shindo, Yoshikazu; Kuno, Yukio; Ueno, Takeshi; Torimi, Akira; and Mori, Yoji, 4,887,522, Cl. 98-40.200.

Ueno, Takumi: *See—*

Iwayanagi, Takao; Hasegawa, Norio; Tanaka, Toshihiko; Shiraishi, Hiroshi; Ueno, Takumi; Hashimoto, Michiaki; Shirai, Seiichiro; and Kadota, Kazuya, 4,835,089, Cl. 430-323.000.

Ueno, Tetsuo; and Kiyooka, Katsumi, to Komatsu Zenoah Company. Portable engine unit. 4,815,430, 3-28-89, Cl. 123-195.00R.

Ueno, Tetsuo; and Kiyooka, Katsumi, to Komatsu Zenoah Company. Portable engine unit. 4,821,691, 4-18-89, Cl. 123-185.00B.

Ueno, Tomoyuki; Honda, Tadatoshi; Jimbo, Takashi; Kotani, Makoto; Terada, Kazuhiro; and Kiyono, Shinji, to Mitsui Toatsu Chemicals, Incorporated. Preparation process indoles. 4,831,158, 5-16-89, Cl. 548-508.000.

Ueno, Toru; Fukuoka, Youichi; Baba, Seiichi; Miyoshi, Kaoru; and Kinoshita, Kazuto, to Hitachi, Ltd. Method and apparatus for measuring the size of wire rod with laser beam and reference rod. 4,871,910, 10-3-89, Cl. 250-560.000.

Ueno, Toshiaki; Ikeuchi, Fumio; and Inoue, Fumihito, to Hitachi, Ltd. Test method of A/D converter. 4,795,963, 1-3-89, Cl. 324-57.00R.

Ueno, Toshiyuki: *See—*

Sugioka, Takami; Naoki, Shigeru; and Ueno, Toshiyuki, 4,822,972, Cl. 219-10.492.

Ueno, Toyoaki; Dannoura, Sadayuki; and Uchida, Masashi, to UBE Industries, Ltd. Vertical die casting machine. 4,799,534, 1-24-89, Cl. 164-314.000.

Ueno, Toyoaki; Uchida, Masashi; and Dannoura, Sadayuki, to Ube industries, Ltd. Horizontal mold clamping and vertical injection type die casting method and apparatus. 4,828,010, 5-9-89, Cl. 164-113.000.

Ueno, Toyoaki; and Dannoura, Sadayuki, to Ube Industries, Ltd. Vertical die casting method and apparatus. 4,836,267, 6-6-89, Cl. 164-113.000.

Ueno, Toyoaki: *See—*

Fujino, Kiyoshi; and Ueno, Toyoaki, 4,842,038, Cl. 164-80.000.

Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, 4,860,542, Cl. 60-583.000.

Ueno, Tsunemasa: *See—*

Kitano, Masao; Ueno, Tsunemasa; Kojima, Kouichi; and Morimoto, Yutaka, 4,853,486, Cl. 568-22.000.

Ueno, Tsutomu: *See—*

Ogawa, Soichi; Okamoto, Akio; Fukui, Shigeo; and Ueno, Tsutomu, 4,869,835, Cl. 250-423.00R.

Ueno, Yasuhide, to Canon Kabushiki Kaisha. Communication system. 4,864,412, 9-5-89, Cl. 358-436.000.

Ueno, Yasuhide: *See—*

Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.

Ueno, Yasuo, to Kokusai Gijutsu Kaihatsu Kabushiki Kaisha. Flexible coupling with bent plate body. 4,834,690, 5-30-89, Cl. 464-84.000.

Ueno, Yoshiaki: *See—*

Ohyama, Sadahiro; Morita, Yoshiaki; Ueno, Yoshiaki; and Tazawa, Kazuhiro, 4,851,935, Cl. 360-64.000.

Ueno, Yoshiharu, to Sharp Kabushiki Kaisha. Microwave oven cavity housing. 4,843,204, 6-27-89, Cl. 219-10.55R.

Ueno, Yoshio: *See—*

Sakurai, Katukiyo; Ueno, Yoshio; and Okuyama, Takashi, 4,863,907, Cl. 514-56.000.

Ueno, Yukichi: *See—*

Takahashi, Kenitiro; and Ueno, Yukichi, 4,814,761, Cl. 340-825.050.

Uenoyama, Kazuo: *See—*

Kuwajima, Teruaki; Uenoyama, Kazuo; Takae, Masaki; and Okuda, Hidefumi, 4,812,335, Cl. 427-407.100.

Uera, Yoshinori: *See—*

Hatakeyama, Tetsuo; Uera, Yoshinori; and Nagao, Nobuaki, 4,801,109, Cl. 242-72.100.

Uerdingen, Walter: *See—*

Prater, Klaus; Uerdingen, Walter; Heine, Heinrich; and Freitag, Dieter, 4,812,589, Cl. 558-51.000.

Uesawa, Yutaka; and Morimoto, Isamu, to Konishiroku Photo Industry Co., Ltd. High whiteness silver halide photographic paper for direct positives. 4,840,889, 6-20-89, Cl. 430-597.000.

Ueshima, Michio; Takahashi, Yoshiyuki; Tsuchino, Masatoshi; and Saito, Noboru, to Nippon Shokubai Kagaku Kogyo Co., Ltd. Method for the production of p-methoxybenzaldehyde. 4,814,512, 3-21-89, Cl. 568-432.000.

Ueshima, Michio: *See—*

Hino, Youichi; Shimasaki, Yuuji; and Ueshima, Michio, 4,841,060, Cl. 546-184.000.

Shimasaki, Yuuji; Tuneki, Hideaki; Hino, Youichi; Yano, Hitoshi; and Ueshima, Michio, 4,833,248, Cl. 546-184.000.

Shimasaki, Yuuji; Ueshima, Michio; Tuneki, Hideaki; and Ariyoshi, Kimio, 4,841,061, Cl. 546-184.000.

Ueshima, Takaaki: *See—*

Fukuda, Toshio; Yoneda, Kenji; Ueshima, Takaaki; and Sasaki, Osamu, 4,852,696, Cl. 187-139.000.

Ueshima, Yoshiyuki; Mizoguchi, Shozo; and Komatsu, Nobuyuki, to Nippon Steel Corporation. Method for controlling solidification segregation of steel. 4,809,765, 3-7-89, Cl. 164-122.100.

Ueshimo, Hiroaki: *See—*

Kawabe, Tetsufumi; Bamba, Toshiaki; Matsufuji, Takashi; Ueshimo, Hiroaki; Hashizume, Yoshiki; Uchimura, Eikichi; Harasda, Masakatsu; Aoki, Masahiro; and Kimura, Toru, 4,869,754, Cl. 106-404.000.

Ueshin, Akito: *See—*

Nakahara, Jirou; Ueshin, Akito; and Okajima, Shiro, 4,874,934, Cl. 235-492.000.

Uesu, Yoshihiro: *See—*

Hanada, Heiroku; Uesu, Yoshihiro; Matsuyama, Yohei; and Kato, Yuji, 4,801,229, Cl. 410-26.000.

Uesugi, Akio; Oda, Kazutaka; and Kakei, Tsutomu, to Fuji Photo Film Co., Ltd. Process for producing support for lithographic printing plate. 4,851,091, 7-25-89, Cl. 204-129.460.

Uesugi, Akio; Kakei, Tsutomu; and Minato, Shinichiro, to Fuji Photo Film Co., Ltd. Method of manufacturing supports for lithographic printing plate. 4,872,946, 10-10-89, Cl. 156-637.000.

Uesugi, Fumihiko; and Morishige, Yukio, to NEC Corporation. Method and apparatus for writing a line on a patterned substrate. 4,873,413, 10-10-89, Cl. 219-121.680.

Uesugi, Hiroshi: *See—*

Yamamoto, Minoru; Ito, Nobuei; Uesugi, Hiroshi; and Hattori, Tadashi, 4,851,254, Cl. 427-37.000.

Uesugi, Kenichi, to Kabushiki Kaisha Kobe Seiko Sho. Rolled strip shape detecting device with high accuracy. 4,860,212, 8-22-89, Cl. 364-472.000.

Uesugi, Kenji: *See—*

Nakai, Masayuki; Uesugi, Kenji; and Tomura, Katsumi, 4,849,021, Cl. 106-472.000.

Uesugi, Masaki, to Hitachi, Ltd. Cassette loading apparatus. 4,881,138, 11-14-89, Cl. 360-96.500.

Uesugi, Michika, to Kabushiki Kaisha Toshiba. Apparatus for controlling a PWM controlled inverter. 4,807,103, 2-21-89, Cl. 363-41.000.

Uesugi, Michika, to Kabushiki Kaisha Toshiba. AC-DC converting apparatus having power factor improving circuit utilizing a photocoupler. 4,825,351, 4-25-89, Cl. 363-79.000.

Uesugi, Michika: *See—*

Sugiura, Hiroaki; Ide, Yuichi; and Uesugi, Michika, 4,849,950, Cl. 363-48.000.

Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, to NKK Corporation. Method and apparatus for measuring a three-dimensional curved surface shape. 4,874,955, 10-17-89, Cl. 250-550.000.

Uesugi, Mitsuaki; Inomata, Masaichi; and Komine, Isamu, to NKK Corporation. Image composing apparatus. 4,881,126, 11-14-89, Cl. 358-160.000.

Uesugi, Mitsuaki: *See—*

Sano, Kazuo; Uesugi, Mitsuaki; Harayama, Masami; Okuno, Yoshihiro; Matsunaga, Hiroshi; and Matsuju, Yoichi, 4,848,912, Cl. 356-376.000.

Uesugi, Naomoto; Takahashi, Hideo; and Ikeno, Tetsuro, to Honda Giken Kogyo Kabushiki Kaisha. Exhaust muffler for an internal combustion engine. 4,854,417, 8-8-89, Cl. 181-272.000.

Uesugi, Tatsuya; and Nakai, Eiji, to Mazda Motor Corporation. Oil pressure control apparatus for an internal combustion engine. 4,854,273, 8-8-89, Cl. 123-90.170.

Uesugi, Tatsuya: *See—*

Masuda, Shunji; Uesugi, Tatsuya; and Oda, Hiroyuki, 4,794,893, Cl. 123-90.170.

Ueta, Makoto: *See—*

Nakazawa, Hayashi; Iyoda, Hiroumi; and Ueta, Makoto, 4,811,829, Cl. 198-326.000.

Uetake, Masami; and Takada, Toshiaki, to Nissan Motor Co., Ltd. Transmission shift control mechanism. 4,827,792, 5-9-89, Cl. 74-473.00R.

Uetake, Yoshinari: *See—*

Usui, Yasunori; Okamura, Hiroshi; Uetake, Yoshinari; and Fujiwara, Takashi, 4,882,612, Cl. 357-79.000.

Uetani, Kenichi, to Mitsubishi Denki Kabushiki Kaisha. Supervisory system for elevators. 4,802,082, 1-31-89, Cl. 364-138.000.

Uetani, Yasunori: *See—*

Oi, Fumio; Osaki, Haruyoshi; Furuta, Akihiro; Uemura, Yukikazu; Ninomiya, Takao; Uetani, Yasunori; and Hanabata, Makoto, 4,812,551, Cl. 528-129.000.

Uetani, Yoshio: *See—*

Uroshiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.

Uetsuhara, Tokio, to Mitsubishi Mining & Cement Co., Ltd. Electromagnetic actuator. 4,797,645, 1-10-89, Cl. 335-230.000.

Uetsuhara, Tokio; Iio, Kenji; and Andoh, Yuichi, to Mitsubishi Mining & Cement Co., Ltd.; and Osaka Gas Co., Ltd. Electromagnet. 4,845,451, 7-4-89, Cl. 335-257.000.

Uetsuhara, Tokio, to Mitsubishi Mining and Cement Co., Ltd.; and Iwasaki Electronics Co., Ltd. Electromagnetic actuator. 4,859,975, 8-22-89, Cl. 335-230.000.

Uetsuki, Haruo; Kobayashi, Takehiro; and Makino, Kounoshin, to Ryobi Ltd. Backlash prevention adjustment mechanism for a fishing reel. 4,821,975, 4-18-89, Cl. 242-84.52B.

Uetsuki, Masao: *See—*

Kawatsuki, Nobuhiro; Fujisawa, Katsuya; Matsuzaki, Ichiro; and Uetsuki, Masao, 4,842,969, Cl. 430-5.000.

Ueyama, Masayuki, to Minolta Camera Kabushiki Kaisha. Camera system with interchangeable lens unit. 4,812,865, 3-14-89, Cl. 354-286.000.

Ueyama, Noboru: *See—*

Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.

Ueyama, Seiji; and Onoe, Hiroyasu, to General Company Limited. Heat-sensitive transferring recording medium. 4,840,835, 6-20-89, Cl. 428-212.000.

Ueyama, Shinichiro; Furukawa, Masayuki; and Nishikawa, Tadaichi, to Shin Nisso Kako Co., Ltd. Process for producing phosphonitrile oligomers containing maleimidophenoxy group. 4,855,389, 8-8-89, Cl. 528-168.000.

Ueyama, Shinichiro; Yoshikawa, Yasuhiro; and Okamoto, Tetsuhiko, to Nippon Soda Co., Ltd. Process for producing organophosphazene polymers with chlorophosphazene. 4,880,905, 11-14-89, Cl. 528-399.000.

Ueyama, Shinichiro: *See—*

Okamoto, Tetsuhiko; Ueyama, Shinichiro and Fujikawa, Kazuhiko, 4,795,621, Cl. 423-300.000.

Ueyama, Tsutomu: *See—*

Kawai, Kenji; Ohtorii, Masakzu; Ueyama, Tsutomu; and Yoshida, Takumi, 4,847,634, Cl. 346-136.000.

Ueyama, Yoshiji; and Asayama, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Throttle valve controlling apparatus including relative position limiting means for throttle valves. 4,872,435, 10-10-89, Cl. 123-336.000.

Ueyama, Yoshiji; and Asayama, Yoshiaki, to Mitsubishi Denki Kabushiki Kaisha. Throttle valve control apparatus. 4,873,957, 10-17-89, Cl. 123-399.000.

Ueyanagi, Kaoru; Oyabu, Norio; and Asahina, Yoshiyuki, to Asahi Kasei Kogyo Kabushiki Kaisha. Isocyanurate polyisocyanate and its use as a curing agent for a two-component polyurethane composition. 4,801,663, 1-31-89, Cl. 525-528.000.

UFA Incorporation: *See—*

Gerstenfeld, Arthur, 4,827,418, Cl. 364-439.000.

Ufer, Peter; Schaper, Siegfried; Haldenwanger, Hans-Gunther; and Paulus, Ingrid, to Audi AG. Method of blow molding and fluorinating plastic containers. 4,830,810, 5-16-89, Cl. 264-40.100.

Uffenheimer, Kenneth F., to Technicon Instruments Corporation. Combined closed and open tube sampling apparatus and method. 4,799,393, 1-24-89, Cl. 73-864.220.

Uffenheimer, Kenneth F., to Technicon Instruments Corporation. Apparatus and method for pressure equalization in closed tube sampler. 4,811,611, 3-14-89, Cl. 73-864.220.

Uffenheimer, Kenneth F.; and Negersmith, Kent M., to Technicon Instruments Corporation. System for dispensing precisely metered quantities of a fluid and method of utilizing the system. 4,863,066, 9-5-89, Cl. 222-1.000.

Uffner, William E.: *See—*

Aigrim, Donald J.; Uffner, William E.; Lamb, Glenn D.; and Jones, Stephen J., 4,824,880, Cl. 524-62.000.

Ufimsky Neftyanoi Institut: *See—*

Galiakbarov, Vil F.; Sannikov, Rashit K.; Mavljutov, Midkhat R.; Fomin, Alexandr S.; Baranovsky, Vladimir D.; Galiev, Radil A.; and Sedakov, Rinat G., deceased, 4,842,066, Cl. 166-265.000.

Ugai, Yasuhiro: *See—*

Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,867,537, Cl. 350-339.00F.

Aoki, Shigeo; Miyake, Katsumi; and Ugai, Yasuhiro, 4,881,797, Cl. 350-339.00F.

Ugata, Ken: *See—*

Fukuta, Shigemi; Amakasu, Toshinari; Ugata, Ken; and Yoshino, Shoichi, 4,798,615, Cl. 65-4.400.

Ugawa, Akimitsu: *See—*

Shiochi, Masazumi; and Ugawa, Akimitsu, 4,868,705, Cl. 361-91.000.

Ugawa, Satoru: *See—*

Kitaura, Kazuhiko; Ugawa, Satoru; and Ogawa, Kouzi, 4,819,381, Cl. 49-493.000.

Maekawa, Junichi; Ugawa, Satoru; and Obuchi, Satoshi, deceased, 4,823,512, Cl. 49-352.000.

Ugenti, Michael, to Grumman Aerospace Corporation. Computer-aided, logic pulsing probe for locating faulty circuits on a printed circuit card. 4,837,502, 6-6-89, Cl. 324-73.0PC.

Uggeri, Fulvio: *See—*

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,810,819, Cl. 562-56.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,855,464, Cl. 549-450.000.

Giordano, Claudio; Castaldi, Graziano; Uggeri, Fulvio; and Cavicchioli, Silvia, 4,888,433, Cl. 549-450.000.

Uggetti, Sergio: *See—*

Falconieri, Remo; and Uggetti, Sergio, 4,881,837, Cl. 400-625.000.

Ugi, Siegfried: *See—*

Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, 4,880,986, Cl. 250-484.100.

Ugland Trading Co. A/S: *See—*

Ebeling, Jaakko; Pesonen, Jarmo; and Sandaas, Inge, 4,803,940, Cl. 114-72.000.

Uglow, Katharine A. Roof drain coupling. 4,799,713, 1-24-89, Cl. 285-42.000.

Ugon, Michel, to Bull, CP8. Security device prohibiting the function of an electronic data processing unit after a first cutoff of its electrical power. 4,795,893, 1-3-89, Cl. 235-382.000.

Ugon, Michel; and Guillou, Louis, to Cii Honeywell Bull; Etat Francais represente par le Ministre des Postes et Telecommunications (Centre National d'Etudes des Telecommunications); and Establissement Public de diffusion dit Telediffusion de France. Microprocessor intended particularly for executing the calculation algorithms of a public code encoding system. 4,807,288, 2-21-89, Cl. 380-30.000.

Ugon, Michel: *See—*

Chemin, Francois; and Ugon, Michel, 4,825,052, Cl. 235-380.000.

Ugro, Josef V., Jr., to Minnesota Mining and Manufacturing Company. Device for exposing colorant to be transferred. 4,879,175, 11-7-89, Cl. 428-321.500.

Ugrosdy, Laszlo : *See—*

Antal, Kalman; Ugrosdy, Laszlo ; and Rimay, Bela, 4,861,302, Cl. 445-38.000.

Uhara, Koji: *See—*

Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, 4,870,049, Cl. 503-217.000.

Uhde, Dietmar; Gleim, Gunter; Schandl, Hartmut; Hoch, Peter; and Lehmann, Rudiger, to Deutsche Thomson-Brandt GmbH. Brushless DC motor system with optically scannable member for commutation. 4,803,408, 2-7-89, Cl. 318-254.000.

Uhde, Dietmar: *See—*

Gleim, Gunter; and Uhde, Dietmar, 4,862,045, Cl. 318-254.000.

Uhde GmbH: *See—*

Forster, Friedrich, 4,880,603, Cl. 422-218.000.

Gerlach, Wolfgang; and Malczok, Reimund, 4,871,278, Cl. 403-338.000.

Mevenkamp, Paul, 4,869,315, Cl. 165-142.000.

Uher, Jan: *See—*

Rypacek, Frantisek; Uher, Jan; and Drobnik, Jaroslav, 4,808,399, Cl. 424-2.000.

Uherek, Robert J., Sr.; and Claycomb, Jack R. Blast joint. 4,889,185, 12-26-89, Cl. 166-243.000.

Uhl, Guenter; Blum, Rainer; and Belde, Horst, to BASF Aktiengesellschaft. Pigment printing pastes and dyeing liquors containing stable dispersions of finely divided solid polyisocyanates. 4,849,262, 7-18-89, Cl. 427-288.000.

Uhl, Guenter: *See—*

Blum, Rainer; Belde, Horst; Osterloh, Rolf; and Uhl, Guenter, 4,888,124, Cl. 252-182.200.

Uhl, Jonathan T.: *See—*

Perry, Joseph W.; Uhl, Jonathan T.; Davis, Thomas L.; and Potts, David E., 4,846,134, Cl. 123-520.000.

Uhl, Richard L.; and Uhl, Robert J. Corticotomo osteotome with T-shaped cutting end. 4,881,534, 11-21-89, Cl. 606-84.000.

Uhl, Robert J.: *See—*

Uhl, Richard L.; and Uhl, Robert J., 4,881,534, Cl. 606-84.000.

Uhl, Tim L.: *See—*

Wooten, Beven P.; and Uhl, Tim L., 4,841,957, Cl. 128-80.00H.

Uhl, Ullrich: *See—*

Senft, Ernst; Klemmer, Herbert; Uhl, Ullrich; Naumann, Emil; and Schefcsik, Nikolaus, 4,889,007, Cl. 74-506.000.

Uhlemann, Hans J. Cardiac diagnosis instrument. 4,825,874, 5-2-89, Cl. 128-710.000.

Uhler, G. Michael: *See—*

Rubinfeld, Paul I.; Uhler, G. Michael; and Supnik, Robert M., 4,851,991, Cl. 364-200.000.

Uhlig, Albert R., to Owens-Illinois Plastic Products Inc. Reusable wrap-type multi-pack carrier. 4,821,874, 4-18-89, Cl. 206-140.000.

Uhlig, Albert R., to Plastic Technologies, Inc. Tamper resistant wide mouth package with labyrinth seal. 4,878,595, 11-7-89, Cl. 220-306.000.

Uhlig, Helmut: *See—*

Kraemer, Dieter; Plainer, Hermann; Sproessier, Bruno; Uhlig, Helmut; and Schnee, Reiner, 4,839,419, Cl. 525-54.100.

Uhlig, Uwe: *See—*

Mushardt, Heinrich; Uhlig, Uwe; and Bleich, Ralf, 4,827,583, Cl. 29-33.00R.

Uhlin, Bernt E.: *See—*

Lindberg, Frederick C.; Lund, Bjorn O.; Baga, Britt M.; Norgren, Mari E.; Goransson, Mikael; Uhlin, Bernt E.; Normark, Jan S.; and Lark, David L., 4,795,803, Cl. 530-324.000.

Uhlir, Arthur, Jr.: *See—*

Markson, Ralph; Warwick, James W.; and Uhlir, Arthur, Jr., 4,801,942, Cl. 342-460.000.

Uhlmann, Dominique: *See—*

Fell, Claude; Pages, Etienne; and Uhlmann, Dominique, 4,889,524, Cl. 494-12.000.

Uhlmann, Eugen: *See—*

Engels, Joachim; Leineweber, Michael; Uhlmann, Eugen; and Ulmer, Wolfgang, 4,832,959, Cl. 424-85.500.

Uhlmann, Fritz, to Bieri Pumpenbau Ag. Double-urinal flushing apparatus and method for automatic operation. 4,815,150, 3-28-89, Cl. 4-305.000.

Uhlmann, Klaus P. Method for drawing seamless metal tubing particularly copper tubing under inclusion of a floating mandrel and a diameter reducing die. 4,856,703, 8-15-89, Cl. 228-156.000.

UHR Corporation: *See—*

Jones, Richard D., 4,809,516, Cl. 62-160.000.

Uhrenhandelsgesellschaft mbH: *See—*

Trisl, Klaus, 4,799,588, Cl. 206-301.000.

Uhri, Duane C., to Mobil Oil Corporation. Simultaneous hydraulic fracturing. 4,830,106, 5-16-89, Cl. 166-250.000.

Uhri, Duane C.; and Jennings, Alfred R., Jr., to Mobil Oil Corporation. Creation of multi-azimuth permeable hydraulic fractures. 4,834,181, 5-30-89, Cl. 166-281.000.

Uhri, Duane C.: *See—*

Hazlett, Randy D.; and Uhri, Duane C., 4,848,468, Cl. 166-300.000.

Uhrich, Kevin D., to Andco Environmental Processes, Inc. Method for removing dye stuffs from wastewater. 4,880,510, 11-14-89, Cl. 204-131.000.

Uhrich, Wilfried: *See—*

Zobel, Jurgen; Karst, Siegfried; Zickwolf, Rolf; and Uhrich, Wilfried, 4,815,833, Cl. 350-445.000.

Uhrig, L. Oscar: *See—*

Prusas, Zenon; Uhrig, L. Oscar; and Wisecup, Gene W., 4,888,092, Cl. 162-130.000.

Uhrner, Horst: *See—*

Schwing, Ewald; Sommer, Peter; and Uhrner, Horst, 4,869,756, Cl. 148-16.500.

Ui, Kazuo: *See—*

Matsuda, Tsukasa; Ui, Kazuo; and Maeda, Hiroshi, 4,874,089, Cl. 206-397.000.

Uitenbroek, Duane G.: *See—*

Kielpikowski, David P.; Uitenbroek, Duane G.; and Proxmire, Deborah L., 4,834,738, Cl. 604-385.200.

Kielpikowski, David P.; and Uitenbroek, Duane G., 4,842,596, Cl. 604-385.200.

Uithoven, Pieter G., to Thomassen & Drijver-Verblifa NV. Apparatus for supporting and printing cylindrical objects. 4,821,638, 4-18-89, Cl. 101-40.000.

Uithoven, Pieter G., to Thomassen & Drijver-Verblifa N.V. Apparatus for disposing packing in predetermined relative positions. 4,856,262, 8-15-89, Cl. 53-499.000.

Uittenbogaard, Marinus: *See—*

De Baan, Jacob; and Uittenbogaard, Marinus, 4,838,823, Cl. 441-3.000.

Uji, Toshio, to NEC Corporation. Double heterostructure light emitting diode. 4,862,230, 8-29-89, Cl. 357-17.000.

Ujihara, Toshihide; Sakurada, Shuroku; Sakaue, Tadashi; and Musha, Shuji, to Hitachi, Ltd. Gate turn-off thyristor of multi-emitter type. 4,868,625, 9-19-89, Cl. 357-38.000.

Ujihira, Hideyuki: *See—*

Mizude, Kazuhiro; and Ujihira, Hideyuki, 4,804,997, Cl. 355-14.0SH.

Ujiie, Kazuaki: *See—*

Sato, Nobuyuki; Ujiie, Kazuaki; Terasawa, Masaaki; and Nabetani, Shinji, 4,881,201, Cl. 365-189.090.

Ujiie, Mikio: *See—*

Takai, Haruki; and Ujiie, Mikio, 4,833,674, Cl. 370-95.000.

Ujiie, Noriaki: *See—*

Hara, Yasuhiko; Karasaki, Koichi; and Ujiie, Noriaki, 4,816,686, Cl. 250-458.100.

Ujiie, Susumu: *See—*

Shirai, Isamu; Ujiie, Susumu; and Koitabashi, Takeshi, 4,819,77 Cl. 192-84.00T.

Ujino, Koji; and Fujioka, Tadashi, to Mita Industrial Co., Ltd. Electrostatic copying apparatus capable of copying on both surfaces. 4,799,079, 1-17-89, Cl. 355-14.0SH.

Ujino, Koji: *See—*

Sumida, Yasuji; Kajita, Hiroshi; Ujino, Koji; Kano, Atsushi; Maekawa, Takashi; and Shibata, Kiyotaka, 4,815,724, Cl. 271-121.000.

Ujino, Masato: *See—*

Okumura, Atsuo; Ujino, Masato; and Kawase, Takashi, 4,817,384, Cl. 60-274.000.

Ujszaszy, Kamtan: *See—*

Knausz, Dezso; Csakvari, Bela; Gebhardt, Istvan; Mesztuczky, Aranka; Kolos, Zsuzsanna; Rohonczy, Janos; Szederkenyi, Ferenc; Ujszaszy, Kamtan; and Volford, Janos, 4,831,173, Cl. 556-420.000.

UKAF Industries, Inc.: *See—*

Skeath, Arthur D. L., 4,828,448, Cl. 414-304.000.

Ukai, Katsumi; Tsukada, Tsutomu; Ikeda, Kouji; and Adachi, Toshio, to Anelva Corporation. Vacuum processing apparatus. 4,816,638, 3-28-89, Cl. 219-121.430.

Ukai, Koichi: *See—*

Kobayashi, Tatuhiro; Ebata, Yasuhiko; Matsumi, Hideki; Fukui, Seiji; and Ukai, Koichi, 4,813,345, Cl. 98-94.200.

Ukai, Mikio; Furukawa, Takashi; and Hojo, Yasuo, to Toyoda Gosei Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Mechanical shaft joint boot. 4,805,921, 2-21-89, Cl. 277-212.0FB.

Ukai, Mikio: *See—*

Sugiura, Hidemi; Ukai, Mikio; and Miyamoto, Kenji, 4,852,891, Cl. 277-212.0FB.

Ukai, Nobuyuki; and Shibata, Ryoji, to Seiko Epson Kabushiki Kaisha. Printer including cartridge mounted interchangeable read only memory. 4,826,332, 5-2-89, Cl. 400-70.000.

Ukai, Norio; and Kondou, Yuzuru, to Honda Giken Kogyo Kabushiki Kaisha; and Nihon Magnet Kogyo Kabushiki Kaisha. Structure for preventing oil contamination for hydraulically operated power steering system. 4,813,294, 3-21-89, Cl. 74-388.0PS.

Ukai, Noriyuki; Hayakawa, Issei; Miyamoto, Mithuru; and Matsuhisa, Tadaaki, to NGK Insulators, Ltd. Ceramic sintered bodies and a process for manufacturing the same. 4,820,665, 4-11-89, Cl. 501-97.000.

Ukai, Noriyuki: *See—*

Hayakawa, Issei; and Ukai, Noriyuki, 4,871,697, Cl. 501-97.000.

Ukai, Toshinao: *See—*

Saeki, Naomi; Inoue, Nobuaki; Ukai, Toshinao; and Mihara, Yuji, 4,820,625, Cl. 430-596.000.

Ukai, Yasuhiro, to Hosiden Electronics Co. Ltd. Active color liquid crystal display element compensating for differing voltage-transmission curves of the primary colors. 4,810,060, 3-7-89, Cl. 350-333.000.

Ukai, Yasuhiro; and Aoki, Shigeo, to Hosiden Electronics Co., Ltd. Thin film transistor. 4,849,797, 7-18-89, Cl. 357-237.000.

Ukai, Yasuhiro: *See—*

Aoki, Shigeo; and Ukai, Yasuhiro, 4,864,376, Cl. 357-23.710.

Aoki, Shigeo; Ukai, Yasuhiro; and Matsushita, Yasuhiro, 4,869,576, Cl. 350-336.000.

Ukai, Yoshio: *See—*

Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, 4,802,084, Cl. 364-200.000.

Ukaji, Shiroh; Kimura, Hisao; Urata, Kenji; and Kaneda, Toshio, to Asahi Kogaku Kogyo Kabushiki Kaisha. Electrospark machine system, assembly for use with system, device for mounting electrospark machining electrode, and method of shaping a workpiece. 4,859,824, 8-22-89, Cl. 219-69.150.

Ukani, Anish A.: *See—*

Fuller, Terry A.; and Ukani, Anish A., 4,822,997, Cl. 250-227.000.

Uke, Alan K. Waterproof flashlight. 4,870,550, 9-26-89, Cl. 362-158.000.

Ukegawa, Shin: *See—*

Kobayashi, Koichi; Shinomiya, Masaki; Kobayashi, Tsutomu; Higashikawa, Masahiro; and Ukegawa, Shin, 4,864,194, Cl. 315-248.000.

Uken, David; Truesdale, R. Grant, Jr.; and Swan, Daniel L., to Raychem Corporation. Gel-filled cap member. 4,883,431, 11-28-89, Cl. 439-521.000.

Uken, William D., to Raychem Corp. Optical fiber tap utilizing reflector. 4,824,199, 4-25-89, Cl. 350-96.150.

Uken, William D., to Raychem Corporation. Article for protection of a substrate. 4,865,905, 9-12-89, Cl. 428-220.000.

Uken, William D.: *See—*

Clark, Brian; Uken, William D.; Schoenstein, Paul; and Camin, Geary, 4,888,070, Cl. 156-48.000.

Ukiah Machine & Welding, Inc.: *See—*

McGehee, Ronald W., 4,848,200, Cl. 83-169.000.

Ukima Colour & Chemicals Mfg. Co., Ltd.: *See—*

Hanada, Kazuyuki; Misaizu, Iwao; Kashimura, Masashi; Goto, Tomoko; and Kuriyama, Katsumi, 4,853,418, Cl. 521-154.000.

Kuriyama, Katsumi; Hanada, Kazuyuki; Nakamura, Susumu; Misaizu, Iwao; Kashimura, Masashi; and Goto, Tomoko, 4,837,198, Cl. 503-227.000.

Ukita, Eizi: *See—*

Kawaki, Takao; Kijima, Yasuhiko; Miyauchi, Yuh; Ukita, Eizi; Nakajima, Toru; and Masumoto, Mituhiko, 4,888,401, Cl. 525-468.000.

Ukita, Hiroo; Katagiri, Yoshitada; Sawada, Kenshi; Uenishi, Yuuji; Isomura, Yoshihiro; Toshima, Tomoyuki; and Mise, Keisuke, to Nippon Telegraph and Telephone Corporation. Micro optical head with an optically switched laser diode. 4,860,276, 8-22-89, Cl. 369-119.000.

Ukmar, Boris; and Trompetto, Mario, to Ing. C. Olivetti & C., S.p.A. Ribbon cartridge for printing machines. 4,806,033, 2-21-89, Cl. 400-208.000.

Ukrainsky Nauchno-Issledovatelsky Institut Prirodnykh Gazov "Ukrniigaz" : *See—*

Kiselev, Viktor M., 4,820,456, Cl. 261-111.000.

Kiselev, Viktor M., 4,838,906, Cl. 55-238.000.

Ulanday, Myrna G.: *See—*

Bailey, Mark W.; and Ulanday, Myrna G., 4,800,167, Cl. 436-66.000.

Ulano Corporation: *See—*

Gerhardt, Robert F., 4,847,336, Cl. 525-518.000.

Ulber, Armin, to Siemens Aktiengesellschaft. Arrangement for fixing the capstan of a magnetic tape recorder means. 4,819,851, 4-11-89, Cl. 226-194.000.

Ulbers, Gerd; and Hutter, Karl, to Hommelwerke GmbH. Device for scanning the contour of a surface of a workpiece. 4,806,777, 2-21-89, Cl. 250-560.000.

Ulbers, Gerd, to Hommelwerke GmbH. Distance measuring device. 4,886,365, 12-12-89, Cl. 356-351.000.

Ulbing, Otmar M., to Windwinder Corporation. Preloaded spring, method and apparatus for forming same. 4,836,514, 6-6-89, Cl. 267-166.000.

Ulbing, Otmar M., to Windwinder Corporation. Rotary/linear actuator. 4,848,184, 7-18-89, Cl. 74-640.000.

Ulbing, Otmar M., to Windwinder Corporation. Rotary/linear actuator. 4,854,189, 8-8-89, Cl. 74-640.000.

Ulbrich, Paul, to American Home Products Corporation (Del.). Electrode assembly for sensing heart activity. 4,836,208, 6-6-89, Cl. 128-642.000.

Ulbrich, Walter: *See—*

Noll, Tobias; and Ulbrich, Walter, 4,819,198, Cl. 364-787.000.

Noll, Tobias; and Ulbrich, Walter, 4,839,850, Cl. 364-787.000.

Uldall, P. Robert. Surgical instrument for prosthetic graft removal. 4,821,718, 4-18-89, Cl. 128-305.000.

Uldrich, Flerida B.: *See—*

Olez, Nejat A.; and Uldrich, Flerida B., 4,863,330, Cl. 411-424.000.

Thein, Joe K.; and Uldrich, Flerida B., 4,885,317, Cl. 521-149.000.

Uldrikis, Yan R.: *See—*

Makarova, Natalya V.; Biseniex, Egils A.; Uldrikis, Yan R.; Dubur, Gunar Y.; Veveris, Maris M.; and Kimenis, Agris A., 4,845,109, Cl. 514-356.000.

Ulert, Izaak A. Sanitary stethoscope. 4,867,268, 9-19-89, Cl. 181-137.000.

Ulery, Dennis R.: *See—*

Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.

Ulery, Kirk D., to AMP Incorporated. Coaxial connector having filtered ground isolation means. 4,797,120, 1-10-89, Cl. 439-578.000.

Ulevitch, Richard J.: *See—*

Karplus, Thomas E.; Ulevitch, Richard J.; and Wilson, Curtis B., 4,808,314, Cl. 210-638.000.

Ulfelder, Kathi Jo; and Gurske, William A., to Beckman Instruments, Inc. Electrophoretic gel for separating hemoglobin variants. 4,808,288, 2-28-89, Cl. 204-182.800.

Ulherr, Thomas: *See—*

Ermert, Helmut; Ulherr, Thomas; and Bar, Albrecht, 4,796,183, Cl. 364-413.150.

Ulich, Bobby L., to Kaman Aerospace Corporation. Imaging lidar system. 4,862,257, 8-29-89, Cl. 358-95.000.

Ulich, Bobby L.: *See—*

Lazzarini, Albert J.; and Ulich, Bobby L., 4,865,454, Cl. 356-359.000.

Rather, John D. G.; Ames, Gregory H.; Conklin, Edward K.; Lazzarini, Albert J.; Mangano, Joseph; and Ulich, Bobby L., 4,825,062, Cl. 250-201.000.

Ulijasz, Thaddeus R., to Cooper Industries, Inc. Under-carpet flat cable assembly and method of forming a turn in same. 4,815,814, 3-28-89, Cl. 350-96.230.

Ulike Corporation: *See—*

Yang, Onie, 4,807,803, Cl. 229-40.000.

Ulinski, Eugene J., to Bethlehem Steel Corporation. Curtain door for metal reheating furnace. 4,867,677, 9-19-89, Cl. 432-245.000.

Ulinski, Richard J., Sr.; Clarke, Hugh C.; Evers, Richard A.; and Stevens, Richard N., to Tohoku Ricoh Co., Ltd. Self-correcting printer-verifier. 4,795,281, 1-3-89, Cl. 400-74.000.

Ulitzur, Shimon Y.; and Kuhn, Jonathan C., to Technicon Research A.G. Detection and/or identification of microorganisms in a test sample using bioluminescence or other exogenous genetically-introduced marker. 4,861,709, 8-29-89, Cl. 435-6.000.

Ullman, Bo: *See—*

Larsson, Lennart; Ullman, Bo; and Ohlsson, Hakan, 4,852,136, Cl. 378-58.000.

Ullman, Edwin F.; Khanna, Pyare; and Peries, Rohan, to Syntex (U.S.A.) Inc. Immunoassay device. 4,857,453, 8-15-89, Cl. 435-7.000.

Ullman, Edwin F.: *See—*

Berger, Donald E., Jr.; Tarnowski, Thomas L.; and Ullman, Edwin F., 4,806,488, Cl. 436-536.000.

Houts, Thomas M.; and Ullman, Edwin F., 4,883,688, Cl. 427-285.000.

Khanna, Pyare L.; Chang, Chiu C.; and Ullman, Edwin F., 4,857,455, Cl. 435-7.000.

Kurn, Nurith; Bahl, Chander; and Ullman, Edwin F., 4,868,104, Cl. 435-6.000.

Litman, David J.; and Ullman, Edwin F., 4,843,000, Cl. 435-7.000.

Litman, David J.; and Ullman, Edwin F., 4,849,338, Cl. 435-7.000.

Tarnowski, Thomas L.; Lin, Cheng-I; and Ullman, Edwin F., 4,812,401, Cl. 435-29.000.

Weng, Litai; Calderhead, David; Khanna, Pyare; and Ullman, Edwin F., 4,879,215, Cl. 435-7.000.

Ullman, Myron: *See—*

Kessler, Ronald N.; Ullman, Myron; and Kessler, Milton, 4,796,399, Cl. 52-177.000.

Ullman, Myron E.; and Kessler, Milton, to Boardman Molded Products, Inc. Method of forming a tamper evident sealing liner. 4,822,326, 4-18-89, Cl. 493-77.000.

Ullman, Timothy J.: *See—*

Gambale, Ronald J.; Hathaway, Susan J.; Longley, Kathryn L.; and Ullman, Timothy J., 4,853,458, Cl. 528-198.000.

Ullmann, Klaus, to Windmoller & Holscher. Process and apparatus for severing and subsequently stacking flat articles made of plastic film and preferably consisting of double bags. 4,878,888, 11-7-89, Cl. 493-204.000.

Ullmann, Ralph J.: *See—*

Kresta, Harvey; and Ullmann, Ralph J., 4,828,097, Cl. 194-227.000.

Ullom, Kathleen F. M.: *See—*

Mitchell, Roy O.; Klaudt, Milton D.; and Ullom, Kathleen F. M., 4,876,484, Cl. 315-94.000.

Ullrich, Axel: *See—*

Dull, Thomas J.; Riedel, Heimo; and Ullrich, Axel, 4,859,609, Cl. 436-501.000.

Ullrich, Georg J.; Pomorin, Karl-Heinz; Kronberg, Harald; Bramm, Gunter; Koschke, Peter; Novak, Pavel; and Gaab, Michael R., to Hellige GmbH. Adapter assembly for use with a cranial biosensor. 4,805,634, 2-21-89, Cl. 128-748.000.

Ullrich, Georg J., to Hellige GmbH. Combined sensor for the transcutaneous measurement of oxygen and carbon dioxide in the blood. 4,840,179, 6-20-89, Cl. 128-633.000.

Ullrich, Gunter: *See—*

Andra, Rainer; Kurr, Klaus; Ullrich, Gunter; and Dorge, Udo, 4,873,887, Cl. 74-573.00F.

Ullrich, Helmut J.: *See—*

Roy, Michael G.; Ullrich, Helmut J.; Beattie, John M.; and Sinden, Jimmie D., 4,878,340, Cl. 56-249.000.

Ullrich, Lothar; Jung, Gunter; Burger, Diethard; Alschweig, Hans-Gunther; Schonborn, Hartmut; and Heinzel, Winfried, to Braun

Aktiengesellschaft. Ironing sole plate with composite coating of mechanically-resistant compound. 4,862,609, 9-5-89, Cl. 38-93.000.

- Ullrich, Manfred, to Interatom GmbH. Core barrel for a high-temperature nuclear reactor. 4,849,157, 7-18-89, Cl. 376-285.000.
- Ullrich, Norbert: *See—*
  - Kohnen, Klaus; Niermann, Hans; and Ullrich, Norbert, 4,818,253, Cl. 48-67.000.
- Ullrich, Volker, to Braun Aktiengesellschaft. Method for the manufacture of a heating unit. 4,816,645, 3-28-89, Cl. 219-345.000.
- Ulm, John G., to Liqui-Box Corporation. Decap dispensing system for water cooler bottles. 4,874,023, 10-17-89, Cl. 141-346.000.
- Ulman, Abraham: *See—*
  - Robello, Douglas R.; Ulman, Abraham; and Willand, Craig S., 4,796,971, Cl. 350-96.340.
  - Scozzafava, Michael; Specht, Donald P.; Ulman, Abraham; Willand, Craig S.; and Williams, David J., 4,886,339, Cl. 350-96.340.
- Ulmann, Andreas: *See—*
  - Moeller, Werner; and Ulmann, Andreas, 4,882,298, Cl. 437-212.000.
- Ulmann, Jean-Pierre, to Etablissements Georges Klein. Angular anti-return devices associated with turnstiles. 4,881,624, 11-21-89, Cl. 188-82.200.
- Ulmer, Karl: *See—*
  - Gavin, Michel; Grunder, Urs; and Ulmer, Karl, 4,859,482, Cl. 426-518.000.
- Ulmer, Rolf; Muller, Alfred; Hugger, William; and Hablitzel, Heinz, to Daimler-Benz Aktiengesellschaft. Arrangement of a spare wheel in a motor vehicle. 4,830,241, 5-16-89, Cl. 224-42.200.
- Ulmer, Walter: *See—*
  - Holder, Karl; and Ulmer, Walter, 4,816,015, Cl. 493-355.000.
- Ulmer, Wolfgang: *See—*
  - Engels, Joachim; Leineweber, Michael; Uhlmann, Eugen; and Ulmer, Wolfgang, 4,832,959, Cl. 424-85.500.
- Ulmerich, Karlheinz: *See—*
  - Zahradnik, Franz; Ulmerich, Karlheinz; McKee, Graham E.; Reimann, Horst; Pflueger, Richard; and Theysohn, Rainer, 4,837,264, Cl. 524-381.000.
- Ulmschneider, Dieter: *See—*
  - Blickle, Peter; Hintzer, Klaus; Schwertfeger, Werner; and Ulmschneider, Dieter, 4,835,305, Cl. 560-219.000.
- Ulrich, Donald R.: *See—*
  - Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,814,211, Cl. 428-1.000.
  - Buckley, Alan; Che, Tessie M.; Leslie, Thomas M.; Stamatoff, James B.; Stuetz, Dagobert E.; and Ulrich, Donald R., 4,828,888, Cl. 428-1.000.
  - Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., 4,851,270, Cl. 428-1.000.
  - Che, Tessie M.; Stuetz, Dagobert E.; Buckley, Alan; and Ulrich, Donald R., 4,861,129, Cl. 350-96.130.
- Ulrich, Gertsch, to Salomon S.A. Safety binding for ski. 4,815,754, 3-28-89, Cl. 280-630.000.
- Ulrich, Jean: *See—*
  - Pouchol, Jean-Marie; and Ulrich, Jean, 4,863,985, Cl. 524-183.000.
- Ulrich, Jorn; Weinhold, Friedrich; and Meyer, Meinhard, to B.A.T. Cigarettenfabriken GmbH. Apparatus for measuring the draw resistance of a rod of tobacco fibers. 4,811,744, 3-14-89, Cl. 131-84.100.
- Ulrich, Jorn: *See—*
  - Federle, Hartmut; Meyer, Meinhard; Ulrich, Jorn; Walther, Friedrich; and Weinhold, Friedrich, 4,865,051, Cl. 131-84.100.
- Ulrich, Larry F. Electronic control means and improved method for controlling lights. 4,812,808, 3-14-89, Cl. 340-468.000.
- Ulrich, Lawrence W.; and Lojewski, James R., to Durable Pakaging Corporation. Carton sealing apparatus. 4,889,581, 12-26-89, Cl. 156-443.000.
- Ulrich, Robert R.: *See—*
  - Soodak, Charles I.; and Ulrich, Robert R., 4,847,462, Cl. 219-121.630.
- Ulrich Steinemann AG: *See—*
  - Lohse, Walter, 4,796,559, Cl. 118-210.000.
  - Zumstein, Bruno; Angehrn, Anton; and Stahel, Beat, 4,831,718, Cl. 29-609.000.
- Ulrich, Thomas J. Method for powering telephone apparatus and telephone apparatus powered directly from the telephone line without external power. 4,803,719, 2-7-89, Cl. 379-399.000.
- Ulrich, Werner: *See—*
  - Hemmady, Jayant G.; Lidinsky, William P.; Steele, Scott B.; Ulrich, Werner; and Weddige, Ronald C., 4,872,160, Cl. 370-60.000.
- Ulrich, William R.: *See—*
  - Hansen, Lee E.; and Ulrich, William R., 4,834,613, Cl. 415-160.000.
- Ulryck, Gilles: *See—*
  - Autie, Pascal J. M.; Avignon, Philippe P.; Camusso, Dominique P.; Forestier, Alexandre; and Ulryck, Gilles, 4,858,721, Cl. 181-213.000.
- Ulseth, John W.: *See—*
  - Vogelgesang, Peter J.; Ulseth, John W.; Giorgini, Norman L.; and Edwards, Jathan D., 4,812,633, Cl. 235-487.000.
- Ulticon Systems, Inc.: *See—*
  - Yankoff, Gerald K., 4,829,859, Cl. 82-1.110.
- Ultimage Inc.: *See—*
  - Gagnon, Daniel, 4,878,186, Cl. 364-574.000.
- Ultimate Creations, Inc.: *See—*
  - Skowronski, Steven D.; and McClune, Glen E., 4,809,979, Cl. 273-153.00R.
- Ultimate Engineering, Ltd.: *See—*
  - Bruno, Frank L.; and Nordmann, Uwe H., 4,815,711, Cl. 254-423.000.
- Ultimate Plastics, Inc.: *See—*
  - Manjos, Robert M.; and Trestyn, Cary, 4,829,691, Cl. 40-661.000.
  - Trestyn, Cary, 4,809,940, Cl. 248-220.400.
- Ultimatte Corporation: *See—*
  - Fellinger, David, 4,847,543, Cl. 318-628.000.
- Ultra-Centrifuge Nederland N.V.: *See—*
  - Keunen, Martinus H.; and de Bakker, Pieter J. A., 4,824,429, Cl. 494-16.000.
- Ultra Creative Corp.: *See—*
  - Bennett, Ronald, 4,834,553, Cl. 383-23.000.
- Ultra Diagnostics Corporation: *See—*
  - Stanton, Thomas H.; Clagett, James A.; Schindele, Deborah C.; Renzoni, George E.; Andersen, Niels H.; and Opheim, Kent E., 4,803,170, Cl. 436-518.000.
- Ultra Light Arms, Inc.: *See—*
  - Forbes, Melvin D.; and Malone, William F., Jr., 4,870,770, Cl. 42-70.010.
- Ultramafic Technology Inc.: *See—*
  - Morency, Maurice, 4,798,717, Cl. 423-648.100.
- Ultramatrix, Inc.: *See—*
  - Eppolito, John, 4,847,693, Cl. 358-225.000.
- Ultramed Corporation: *See—*
  - Parisi, Tulio, 4,816,018, Cl. 604-22.000.
  - Parisi, Tulio T., 4,808,153, Cl. 604-22.000.
  - Parisi, Tulio T., 4,861,332, Cl. 604-22.000.
- Ultraprobe, Inc.: *See—*
  - Patterson, Joseph M., 4,837,506, Cl. 324-158.00R.
- Ultrasonic Arrays, Inc.: *See—*
  - Hossack, James M.; Powers, Jeffry E.; and Billings, John K., 4,887,246, Cl. 367-140.000.
  - Hossack, James M.; Powers, Jeffry E.; and Billings, John K., 4,888,086, Cl. 156-639.000.
  - Kniest, James N.; and Campbell, Dean D., 4,823,590, Cl. 73-1.00J.
- Ultrasonic Power Corporation: *See—*
  - Javorik, Laszlo J.; and Puskas, Peter J., 4,836,684, Cl. 366-114.000.
- Ultrox International: *See—*
  - Zeff, Jack D.; and Leitis, Eriks, 4,849,114, Cl. 210-747.000.
- Uly-Pak, Inc.: *See—*
  - Siebert, Lester D., 4,856,989, Cl. 432-225.000.
- Ulyantsev, Valentin I.: *See—*
  - Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Roblen R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyantsev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.
- Ulysse Nardin S.A.: *See—*
  - Oechslin, Ludwig, 4,325,426, Cl. 368-15.000.
- Umaba, Toshihiko: *See—*
  - Hashimoto, Yutaka; Kamei, Masayuki; and Umaba, Toshihiko, 4,884,866, Cl. 350-96.340.
  - Nishioka, Akira; Kamei, Masayuki; and Umaba, Toshihiko, 4,822,713, Cl. 430-175.000.
- Umaba, Toshikatsu: *See—*
  - Rikimaru, Hiroaki; Nakatsuji, Tadao; Umaba, Toshikatsu; Nagano, Kuzuhiko; Mishina, Kazuya; and Shimizu, Hiromitsu, 4,859,439, Cl. 423-239.000.
- Umada, Youichi: *See—*
  - Shimizu, Shinkichi; Abe, Nobuyuki; Doba, Masanori; Iguchi, Akira; Sato, Hiroshi; Hirose, Ken-ichi; and Umada, Youichi, 4,810,794, Cl. 546-251.000.
- Umakoshi, Yukimori: *See—*
  - Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.
- Umatate, Toshikazu, to Nikon Corporation. Method of and apparatus for aligning a substrate. 4,833,621, 5-23-89, Cl. 364-491.000.
- Umbach, Hans: *See—*
  - Ballreich, Kurt; Homburg, Axel; Rammensee, Horst; and Umbach, Hans, 4,809,612, Cl. 102-466.000.
- Umebayashi, Kazuyuki: *See—*
  - Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,847,867, Cl. 379-58.000.
  - Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,852,147, Cl. 379-58.000.
  - Suzuki, Katsuo; and Umebayashi, Kazuyuki, 4,885,762, Cl. 379-58.000.
- Umebayashi, Nobuhiro; and Tanaka, Yoshito, to Hitachi Maxell, Ltd. Magnetic head device for improving head placement on a magnetic disc. 4,796,129, 1-3-89, Cl. 360-104.000.
- Umebayashi, Nobuhiro: *See—*
  - Tanaka, Yoshito; and Umebayashi, Nobuhiro, 4,875,121, Cl. 360-129.000.
- Umebayashi, Seiki: *See—*
  - Kishi, Kazushi; Umebayashi, Seiki; Tani, Eiji; and Kobayashi, Kazuo, 4,816,428, Cl. 501-89.000.
- Umeda, Bill: *See—*
  - Hug, Paul; Umeda, Bill; Yesnosky, Paul A.; Raudebaugh, Bart; Ricco, Gary; and McCabe, Gary E., 4,855,980, Cl. 369-36.000.
- Umeda, David H.: *See—*
  - Perandi, Aado J., 4,801,893, Cl. 330-300.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, to Jujo Paper Co., Ltd. Color-developing agent for pressure-sensitive recording sheet and color-developing sheet thereof. 4,806,521, 2-21-89, Cl. 503-216.000.

- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, to Jujo Paper Co., Ltd. Color-developing sheet for pressure-sensitive recording sheets. 4,833,119, 5-23-89, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, to Jujo Paper Co., Ltd. Color-developing sheet for pressure-sensitive sheets. 4,835,134, 5-30-89, Cl. 503-210.000.
- Umeda, Hiroaki; Suzuki, Mamoru; Hasegawa, Akira; and Hata, Kunio, to Jujo Paper Co., Ltd. Color-developing sheet for pressure-sensitive recording sheets. 4,835,135, 5-30-89, Cl. 503-210.000.
- Umeda, Hiroyuki, to Kabushiki Kaisha Machida Seisakusho. Endoscope with improved inserting portion. 4,834,069, 5-30-89, Cl. 128-4.000.
- Umeda, Hiroyuki. Angle portion of encoscope. 4,841,951, 6-27-89, Cl. 128-4.000.
- Umeda, Hiroyuki: *See—*
  - Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,836,187, Cl. 128-4.000.
  - Iwakoshi, Keiichi; Sato, Mitsuru; Umeda, Hiroyuki; and Nishizawa, Toshinori, 4,844,052, Cl. 128-4.000.
- Umeda, Kaoru: *See—*
  - Saito, Mitsuru; Umeda, Kaoru; and Tanimoto, Tetsuyuki, 4,862,293, Cl. 360-35.100.
- Umeda, Katsuhiko, to Jamco Corporation. Coupling for plastic tube. 4,848,957, 7-18-89, Cl. 403-374.000.
- Umeda, Masahiro, to Toyota Jidosha Kabushiki Kaisha. Working/assembling device with self-clamping means. 4,823,887, 4-25-89, Cl. 173-31.000.
- Umeda, Masahiro: *See—*
  - Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.
- Umeda, Masaru: *See—*
  - Ohni, Tadahiro; Sugiyama, Kazuhiko; Nakahara, Fumio; and Umeda, Masaru, 4,869,301, Cl. 141-85.000.
- Umeda, Minoru: *See—*
  - Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, 4,822,705, Cl. 430-60.000.
  - Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, 4,863,822, Cl. 430-58.000.
- Umeda, Mitsuru: *See—*
  - Kubo, Haruaki; Umeda, Mitsuru; and Iwakoshi, Hiromitsu, 4,799,838, Cl. 439-234.000.
- Umeda, Morio: *See—*
  - Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, 4,831,710, Cl. 29-434.000.
- Umeda, Osamu; Nakakusu, Tohru; Sato, Makoto; and Shimazaki, Tatsuo, to Casio Computer Co., Ltd. Projector apparatus with mirror means. 4,875,064, 10-17-89, Cl. 353-78.000.
- Umeda, Seiichi: *See—*
  - Motoyama, Shimesu; Ohno, Shigeru; and Umeda, Seiichi, 4,820,442, Cl. 252-188.280.
- Umeda, Shigeru, to Obara Corporation. Piston actuated welding gun with pivoting arm. 4,879,447, 11-7-89, Cl. 219-86.250.
- Umeda, Shinichiro: *See—*
  - Kuwajima, Teruaki; Umeda, Shinichiro; and Okuda, Hidefumi, 4,820,555, Cl. 427-407.100.
- Umeda, Tadashi: *See—*
  - Toshimitsu, Kazushige; Umeda, Tadashi; and Igarashi, Hisashi, 4,805,579, Cl. 123-492.000.
- Umeda, Takao: *See—*
  - Kuwabara, Kouji; Yano, Makoto; and Umeda, Takao, 4,818,835, Cl. 219-121.600.
- Umeda, Tatsuhiko: *See—*
  - Furukawa, Tetsuro; Yoshikawa, Kensuke; Mizuuchi, Mitsuru; Furutera, Masaharu; Sakabata, Nobuharu; Matsushita, Yoshiaki; Muto, Tomoyoshi; and Umeda, Tatsuhiko, 4,805,419, Cl. 62-476.000.
- Umeda, Tetsuo; Nakano, Kazumi; and Kasuya, Shigenobu, to NEC Corporation. Binary signal producing apparatus for optical character recognition. 4,831,658, 5-16-89, Cl. 382-52.000.
- Umeda, Tetsuo; and Sugiura, Fumihiko, to NEC Corporation. Optimal image-quality selection apparatus. 4,888,646, 12-19-89, Cl. 358-464.000.
- Umeda, Toshikazu; Funaki, Shinsuke; and Nozu, Taketo, to Konishiroku Photo Industry Co., Ltd. Image recording apparatus. 4,862,196, 8-29-89, Cl. 346-108.000.
- Umeda, William H.: *See—*
  - Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., 4,817,070, Cl. 369-36.000.
- Umeda, Yasukazu; and Tsuji, Shintaro, to Mitsubishi Denki Kabushiki Kaisha. Wait time prediction apparatus for elevator. 4,802,557, 2-7-89, Cl. 187-127.000.
- Umeda, Yoshio, to Disco Abrasive Systems, Ltd. Cutting tool having concentrically arranged outside and inside abrasive grain layers and method for production thereof. 4,817,341, 4-4-89, Cl. 51-293.000.
- Umeda, Yoshio, to Disco Abrasive Systems, Ltd. Cutting tool having concentrically arranged outside and inside abrasive grain layers and method for production thereof. 4,843,766, 7-4-89, Cl. 51-206.00R.
- Umegai, Shigehiro; Noguchi, Teruhisa; Morita, Hirobumi; Uehara, Takashi; and Hoshino, Takayuki, to Honda Giken Kogyo Kabushiki Kaisha. Apparatus and method for mounting window glasses on automobile. 4,885,833, 12-12-89, Cl. 29-407.000.
- Umegaki, Kikuo: *See—*
  - Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo; Bessho, Yasunori; Fuse, Motomasa; and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.
- Umegaki, Shinsuke; Okazaki, Yoji; and Kamiyama, Kozi, to Fuji Photo Film Co., Ltd. Optical wavelength conversion device, and a method of making the same. 4,820,011, 4-11-89, Cl. 350-96.190.
- Umeha, Genkichi; Urano, Shigeru; Hirakawa, Osamu; and Takeguchi, Shunsuke. Iron-base anti-wear sintered alloy member. 4,863,513, 9-5-89, Cl. 75-231.000.
- Umehara, Akira: *See—*
  - Matsuda, Nobuaki; Kokubo, Tadayoshi; Aoai, Toshiaki; Umehara, Akira; and Aotani, Yoshimasa, 4,842,986, Cl. 430-270.000.
- Umehara, Hajime: *See—*
  - Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.
- Umehara, Hiroshi: *See—*
  - Ohashi, Keiichi; Umehara, Hiroshi; and Nagahashi, Hajime, 4,866,550, Cl. 360-94.000.
- Umehara, Kazuhiro, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Float switch, a control apparatus and a warning apparatus of an engine. 4,883,928, 11-28-89, Cl. 200-81.90M.
- Umehara, Kazuhiro, to Suzuki Jidosha Kogyo Kabushiki Kaisha. Display control apparatus for use in internal combustion engine. 4,887,068, 12-12-89, Cl. 340-450.300.
- Umehara, Kazumasa, to Usui Kokusai Sangyo Kabushiki Kaisha. Thin flexible metal tube. 4,819,970, 4-11-89, Cl. 285-227.000.
- Umehara, Kazumasa, to Usui Kokusai Sangyo Kabushiki Kaisha. Pipe and clamp combination. 4,826,114, 5-2-89, Cl. 248-74.100.
- Umehara, Kazumasa, to Usui Kokusai Sangyo Kabushiki Kaisha. Arrangement for fixing end of thin-walled pipe to flange coupling. 4,832,377, 5-23-89, Cl. 285-222.000.
- Umehara, Kazumasa. Slender pipe fixing clamp. 4,844,379, 7-4-89, Cl. 248-74.300.
- Umehara, Kazumasa, to Usui Kokusai Sangyo Kabushiki Kaisha. Structure having interconnected metal tubes. 4,850,621, 7-25-89, Cl. 285-322.000.
- Umehara, Kazuyoshi: *See—*
  - Okamoto, Masanori; Uchida, Itsuo; Umehara, Kazuyoshi; Kohsaka, Masanobu; and Imanaka, Hiroshi, 4,797,417, Cl. 514-473.000.
  - Okamoto, Masanori; Iwami, Morita; Takase, Shigehiro; Uchida, Itsuo; Umehara, Kazuyoshi; Konsaka, Masanobu; and Imanaka, Hiroshi, 4,863,926, Cl. 514-255.000.
- Umehara, Kiyoshi; Yamamoto, Hisaomi; Kobayashi, Nobuo; and Imai, Tsutomu, to Dainippon Ink and Chemicals, Inc. Fire-retardant for woody materials. 4,839,099, 6-13-89, Cl. 252-607.000.
- Umehara, Noritsugu: *See—*
  - Kato, Koji; Umehara, Noritsugu; Adachi, Shigeru; and Sato, Shin, 4,821,466, Cl. 51-317.000.
- Umehara, Seiji; and Sakai, Katsuyoshi, to Mitsubishi Denki Kabushiki Kaisha. Electronic blackboard system. 4,797,106, 1-10-89, Cl. 434-408.000.
- Umehara, Shoji; Matsumoto, Masakazu; Takiguchi, Takao; and Ishikawa, Shozo, to Canon Kabushiki Kaisha. Function separated photosensitive member having a diphenylamine derivative disazo charge generation material. 4,830,944, 5-16-89, Cl. 430-59.000.
- Umehara, Shoji; and Kashizaki, Yoshio, to Canon Kabushiki Kaisha. Electrophotographic photosensitive member comprising aromatic azo pigment containing cyclic amino group. 4,868,080, 9-19-89, Cl. 430-73.000.
- Umehara, Teruo; Daicho, Hiroyuki; and Taketomi, Seiki, to Hitachi Metals, Ltd. Voice coil-type linear motor. 4,888,506, 12-19-89, Cl. 310-13.000.
- Umehara, Yohichi: *See—*
  - Wakabayashi, Ataru; Umehara, Yohichi; Morie, Satsuki; Kuwahara, Ikuro; and Okada, Yoshimi, 4,874,483, Cl. 204-94.000.
- Umeji, Tadashi, to Kabushiki Kaisha Toshiba. Optical semiconductor device and method of manufacturing the same. 4,831,430, 5-16-89, Cl. 357-48.000.
- Umek, Gregory M.: *See—*
  - Hervat, John C.; Mondek, Matthew H.; Osborn, Harold L.; and Umek, Gregory M., 4,863,405, Cl. 440-53.000.
- Umeki, Tsunenori: *See—*
  - Yamada, Akira; and Umeki, Tsunenori, 4,868,627, Cl. 357-42.000.
- Umeki, Yoshitaka, to NEC Corporation. ECL-TTL level converter. 4,883,990, 11-28-89, Cl. 307-473.000.
- Umemaru, Hisato: *See—*
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,838,074, Cl. 73-118.100.
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,856,323, Cl. 73-118.100.
  - Morishita, Mitsuharu; Kohge, Shinichi; Hara, Tadayuki; Hata, Yasuaki; and Umemaru, Hisato, 4,875,367, Cl. 73-118.100.
- Umemoto, Hiroshi: *See—*
  - Kamiguchi, Masao; and Umemoto, Hiroshi, 4,812,268, Cl. 264-40.100.
  - Kamiguchi, Masao; and Umemoto, Hiroshi, 4,842,801, Cl. 264-40.100.
- Umemoto, Hirotoshi; Tanabe, Hisaki; and Nakano, Shinji, to Nippon Paint Co., Ltd. Resinous composition containing polyester resin, for coating use. 4,829,132, 5-9-89, Cl. 525-443.000.
- Umemoto, Hirotoshi: *See—*
  - Tanabe, Hisaki; Takagawa, Ryozo; and Umemoto, Hirotoshi, 4,810,758, Cl. 525-348.000.
  - Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, 4,829,105, Cl. 523-415.000.

- Umemoto, Hitoo; and Wakatsuki, Tomio, to Ohtsu Tire & Rubber Co., Ltd., The. Tire bead dislodging device. 4,800,943, 1-31-89, Cl. 157-1.170.
- Umemoto, Isao; Shimada, Fumiyo; and Mitsuno, Yuichiro, to Kao Corporation. Quick-drying pack-type face-cleansing composition. 4,885,109, 12-5-89, Cl. 252-174.210.
- Umemoto, Masuo: *See—*
  - Eto, Yoshizumi; Takeshita, Kazuyuki; Kanada, Hidehiro; and Umemoto, Masuo, 4,802,192, Cl. 375-116.000.
  - Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.
- Umemoto, Mitsumasa; Asano, Tamotsu; Horie, Hironobu; Takagi, Akinobu; Tamura, Nobuyasu; and Nishida, Takeshi, to Mitsui Toatsu Chemicals, Inc. Process for preparation of 3-phenoxybenzyl 2-(4-alkoxyphenyl)-2-methylpropyl ethers. 4,873,373, 10-10-89, Cl. 568-637.000.
- Umemoto, Mitsumasa: *See—*
  - Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
  - Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.
- Umemoto, Teruo; and Gotoh, Yoshihiko, to Sagami Chemical Research Center. Fluoroalkylaryliodonuim compounds. 4,873,027, 10-10-89, Cl. 562-83.000.
- Umemoto, Tomeo, to Kubota, Ltd. Four wheel drive working vehicle. 4,862,988, 9-5-89, Cl. 180-246.000.
- Umemoto, Yoshiyuki, to Fuji Electric Company, Ltd. Solar battery for time piece. 4,853,043, 8-1-89, Cl. 136-244.000.
- Umemura, Akio: *See—*
  - Tanaka, Hiroshi; and Umemura, Akio, 4,808,390, Cl. 423-261.000.
- Umemura, Heihachiro, to Shinkoh Electric Co., Ltd. Push-button switch with multi-stage action. 4,816,671, 3-28-89, Cl. 250-229.000.
- Umemura, Hide: *See—*
  - Murakami, Hirobumi; Suda, Tsutomu; Machida, Mitunobu; and Umemura, Hide, 4,863,995, Cl. 525-74.000.
- Umemura, Hiroyuki: *See—*
  - Aoki, Katsuyuki; Umemura, Hiroyuki; Okada, Tetsuji; Matsuda, Kenji; Ishioka, Hidenori; Arai, Isao; Togashi, Kenji; Hara, Masanori; and Sugawara, Sakuo, 4,807,444, Cl. 62-179.000.
  - Matsuda, Kenji; Sugawara, Sakuo; Hara, Masanori; Umemura, Hiroyuki; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,858,824, Cl. 236-94.000.
  - Matsuda, Kenji; Togashi, Kenji; Umemura, Hiroyuki; Okada, Tetsuji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,877,183, Cl. 236-49.300.
  - Okada, Tetsuji; Umemura, Hiroyuki; Matsuda, Kenji; Ishioka, Hidenori; and Aoki, Katsuyuki, 4,850,203, Cl. 62-209.000.
- Umemura, Kaoru: *See—*
  - Tamura, Hifumi; Shichi, Hiroyasu; and Umemura, Kaoru, 4,841,143, Cl. 250-288.000.
- Umemura, Koji; Nakashima, Toru; Ina, Yoshifumi; and Miyamoto, Masashi, to Nippondenso Co., Ltd. Fuel pump with passage for attenuating noise generated by impeller. 4,844,621, 7-4-89, Cl. 415-119.000.
- Umemura, Mitsuo: *See—*
  - Itoh, Kunio; and Umemura, Mitsuo, 4,870,115, Cl. 521-134.000.
  - Takamizawa, Minoru; Umemura, Mitsuo; Kanari, Masato; Takeda, Yoshihumi; and Hayashida, Akira, 4,870,035, Cl. 501-88.000.
- Umemura, Shinichiro; Cain, Charles A.; and Katakura, Kageyoshi, to Hitachi, Ltd. Ultrasonic irradiation system. 4,865,042, 9-12-89, Cl. 128-660.030.
- Umemura, Shinichiro: *See—*
  - Ikeda, Hiroshi; Umemura, Shinichiro; Ishikawa, Shizuo; Katakura, Kageyoshi; Ichikawa, Noriyoshi; and Mitake, Tsuyoshi, 4,803,993, Cl. 128-660.010.
  - Ikeda, Hiroshi; Umemura, Shinichiro; and Katakura, Kageyoshi, 4,811,740, Cl. 128-660.010.
  - Kondo, Shinichi; Katakura, Kageyoshi; Ogawa, Toshio; Umemura, Shin'ichiro; and Ikeda, Hiroshi, 4,841,491, Cl. 367-103.000.
- Umemura, Shizuo, to Research Development Corporation of Japan. Method for recording and reproducing information. 4,805,145, 2-14-89, Cl. 365-118.000.
- Umemura, Shizuo, to Fuji Photo Film Co., Ltd.; and Research Development Corporation of Japan. Microwave device. 4,822,673, 4-18-89, Cl. 428-328.000.
- Umemura, Tamiki: *See—*
  - Fujita, Iwao; Maesuna, Masahiro; and Umemura, Tamiki, 4,821,106, Cl. 358-229.000.
- Umemura, Toshikazu; Maeda, Kenji; Kojima, Yutaka; Izumida, Toshiaki; and Tanabe, Kou, to Mitsubishi Gas Chemical Co., Inc. Process for producing polycarbonate resin molding material having low particle content with vented extruder. 4,845,193, 7-4-89, Cl. 528-502.000.
- Umemura, Yasuo: *See—*
  - Kamata, Akira; Kubo, Yoshiyuki; Umemura, Yasuo; and Tsuyuguchi, Hirohumi, 4,821,555, Cl. 72-391.000.
- Umeno, Hidenori; Kubo, Takashige; Hagiwara, Nobutaka; Sato, Hiroaki; and Sawamoto, Hideo, to Hitachi, Ltd. I/O Execution method for a virtual machine system and system therefor. 4,885,681, 12-5-89, Cl. 364-200.000.
- Umeno, Hidenori: *See—*
  - Ikegaya, Hiroshi; Umeno, Hidenori; Kubo, Takashige; Ukai, Yoshio; and Sugama, Nobuyoshi, 4,802,084, Cl. 364-200.000.
  - Tanaka, Shunji; and Umeno, Hidenori, 4,887,202, Cl. 364-200.000.
- Umerez, Ignacio Z., to Celaya, Emparanza y Galdos, S.A. (Cegasa). Battery couplings to portable signals with long periods out of service. 4,857,885, 8-15-89, Cl. 340-321.000.
- Umesato, Shoji: *See—*
  - Ichimura, Yoshiaki; Ishizuka, Shinichi; Komoto, Mitsuo; and Umesato, Shoji, 4,880,399, Cl. 439-689.000.
  - Ichimura, Yoshiaki; Takegawa, Katumi; Mizusawa, Yoshinori; Komoto, Mitsuo; and Umesato, Shoji, 4,887,974, Cl. 439-259.000.
  - Manabe, Sakae; Kamono, Takashi; Tokaichi, Tetsuro; and Umesato, Shoji, 4,806,109, Cl. 439-108.000.
  - Noda, Atsuhito; Ichimura, Yoshiaki; Komoto, Mitsuo; and Umesato, Shoji, 4,832,611, Cl. 439-70.000.
- Umetani, Keiji; Ueda, Ken; Suzuki, Ryuichi; and Yokouchi, Hisatake, to Hitachi, Ltd. Spectral type radiation imaging system. 4,890,310, 12-26-89, Cl. 378-82.000.
- Umetani, Kenji: *See—*
  - Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
- Umetani, Makoto: *See—*
  - Kuribayashi, Kiyoshi; Umetani, Makoto; Monji, Hideto; and Aoki, Masaki, 4,842,633, Cl. 65-44.000.
- Umetani, Yukio: *See—*
  - Konno, Chisato; Umetani, Yukio; Hirayama, Hiroyuki; and Ohta, Tadashi, 4,819,161, Cl. 364-300.000.
- Umetsu, Chiharu: *See—*
  - Niikura, Yoshiharu; Fukumura, Takeo; and Umetsu, Chiharu, 4,858,898, Cl. 267-218.000.
- Umetsu, Shinjiro: *See—*
  - Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.
- Umetsu, Shozo; and Nishizaki, Takeshi, to Showa Aluminum Kabushiki Kaisha. Aluminum-based alloy foil for negative electrodes of electrolytic capacitors. 4,824,494, 4-25-89, Cl. 148-438.000.
- Umetsu, Syozo: *See—*
  - Arai, Kozo; Suzuki, Takao; and Umetsu, Syozo, 4,800,133, Cl. 428-606.000.
- Umetsu, Takao: *See—*
  - Fujita, Yoshihiro; Umetsu, Takao; Masaoka, Ysuyoshi; and Takahashi, Minoru, 4,831,402, Cl. 354-400.000.
- Umetsu, Toshimasa; and Aota, Yoetsu, to NEC Corporation. Structure of shelf to be fixed to frame of communications apparatus. 4,866,576, 9-12-89, Cl. 361-429.000.
- Umetsubo, Toshiaki: *See—*
  - Nakamura, Hironori; Yotsui, Toshiaki; Sato, Youichi; Umetsubo, Toshiaki; and Ohkawa, Hideo, 4,872,247, Cl. 29-125.000.
- Umeya, Kaoru, and Fujino, Kiyoshi, to Ube Industries, Ltd. Centrifugal fluidized grinding apparatus. 4,830,289, 5-16-89, Cl. 241-57.000.
- Umeyama, Hideaki: *See—*
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,841,067, Cl. 548-344.000.
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  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, 4,870,183, Cl. 546-210.000.
- Umeyama, Tamotsu: *See—*
  - Masuda, Masayuki; and Umeyama, Tamotsu, 4,800,932, Cl. 141-83.000.
- Umezaki, Tomokazu, to Mitsubishi Denki Kabushiki Kaisha. Ignition coil. 4,803,454, 2-7-89, Cl. 336-192.000.
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- Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Threo-adrenalinecarboxylic acid, and the production and uses thereof. 4,833,268, 5-23-89, Cl. 562-444.000.
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- Umezawa, Hamao, deceased (by Umezawa, Mieko, Kazuo Umezawa, Yoji Umezawa, legal representatives); Aoyagi, Takaaki; Tatsuta, Kuniaki; Nakamura, Takeshi; and Fukatsu, Shunzo, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. Synthesis of arphamenine A. 4,870,207, 9-26-89, Cl. 562-439.000.
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- Umezawa, Hamao, deceased: *See—*
  - Okami, Yoshiro; Kondo, Shinichi; Ikeda, Daishiro; and Umezawa, Hamao, deceased, 4,795,743, Cl. 514-36.000.
  - Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.
- Umezawa, Isao; Sone, Haruo; and Kusuda, Tadahiro, to Sony Corporation. Photodetector for use with an optical recording medium. 4,837,429, 6-6-89, Cl. 250-211.00J.
- Umezawa, Isao: *See—*
  - Sone, Haruo; Umezawa, Isao; and Yoneyama, Osamu, 4,847,846, Cl. 372-50.000.
- Umezawa, Kazuo: *See—*
  - Umezawa, Hamao; Umezawa, Kazuo; Odagawa, Atsuo; Kataoka, Shiro; and Nakajima, Shohachi, 4,855,414, Cl. 536-6.400.
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- Umezawa, Kazuo, executor: *See—*
  - Umezawa, Hamao, deceased; Takeuchi, Tomio; Ishizuka, Masaaki; Abe, Fuminori; Fujii, Akio; and Nakamura, Teruya, 4,851,446, Cl. 514-620.000.
- Umezawa, Kazuo, heir: *See—*
  - Umezawa, Hamao, deceased; Tatsuta, Kuniaki; Kawai, Hiroyuki; and Nakajima, Shohachi, 4,877,870, Cl. 536-6.400.
- Umezawa, Michio: *See—*
  - Horike, Masanori; Ebi, Yutaka; and Umezawa, Michio, 4,834,533, Cl. 356-133.000.
- Umezawa, Mieko, Kazuo Umezawa, Yoji Umezawa, heirs: *See—*
  - Okami, Yoshiro; Kondo, Shinichi; Ikeda, Daishiro; and Umezawa, Hamao, deceased, 4,795,743, Cl. 514-36.000.
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- Umezawa, Mieko, Kazuo Umezawa, Yoji Umezawa, legal representatives: *See—*
  - Okami, Yoshiro; Kurasawa, Shogo; Kamayama, Toshiyuki; Takahashi, Atsushi; Ishizuka, Masaaki; and Umezawa, Hamao, deceased, 4,870,172, Cl. 540-460.000.
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- Umezawa, Mitsuo: *See—*
  - Yamakawa, Toru; Makita, Fujio; Umezawa, Mitsuo; and Sakikiyama, Ryuzo, 4,840,246, Cl. 180-247.000.
- Umezawa, Sadao: *See—*
  - Sakurai, Shigeo; Umezawa, Sadao; Usami, Saburo; Miyata, Hiroshi; Toriya, Hajime; Tsubouchi, Kuniyoshi; and Kaneko, Ryoichi, 4,875,170, Cl. 364-507.000.
- Umezawa, Sumio; Tsuchiya, Tsutomu; Takeuchi, Tomio; Umezawa, Kazuo; Takahashi, Yoshiaki; Shitara, Tetsuo; Kobayashi, Yoshihiko; and Takagi, Yasushi, to Zaidan Hojin Biseibutsu Kagaku Kenkyu Kai. 1-n-(4-amino-3-fluoro-2-hydroxybutyryl)-kanamycins. 4,873,225, 10-10-89, Cl. 514-41.000.
- Umezawa, Sumio: *See—*
  - Umezawa, Hamao; Umezawa, Sumio; Tsuchiya, Tsutomu; and Kobayashi, Yoshihiko, 4,845,082, Cl. 514-41.000.
- Umezawa, Takao: *See—*
  - Nakajima, Yasuyoshi; Umezawa, Takao; Momiyama, Takashi; and Inoue, Yoichi, 4,865,794, Cl. 264-278.000.
- Umezawa, Tomoyuki: *See—*
  - Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
- Umezawa, Toshimitsu, to Kabushiki Kaisha Toshiba. Picture-quality correction circuit. 4,811,100, 3-7-89, Cl. 358-166.000.
- Umezawa, Yoshihiro: *See—*
  - Nakano, Kenichi; Umezawa, Yoshihiro; Tokaichi, Tetsuro; Ichimura, Yoshiaki; and Kawabe, Natsuki, 4,857,001, Cl. 439-68.000.
- Umezono, Kazuaki: *See—*
  - Hitomi, Mitsuo; Hinatase, Fumio; and Umezono, Kazuaki, 4,813,232, Cl. 60-313.000.
- Umezu, Kenji, to Kabushiki Kaisha Toshiba. Air conditioner apparatus with improved dehumidification control. 4,813,474, 3-21-89, Cl. 165-21.000.
- Umezu, Kenji; and Sano, Tetsuo, to Kabushiki Kaisha Toshiba. Heat pump with electrically heated heat accumulator. 4,840,220, 6-20-89, Cl. 165-1.000.
- Umezu, Nubuhiko, to Sony Corporation. Light beam deflector devices. 4,889,415, 12-26-89, Cl. 350-358.000.
- Umezu, Sadao: *See—*
  - Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, 4,882,519, Cl. 313-633.000.
- Umezu, Yoshinori: *See—*
  - Fujimoto, Masami; Inazumi, Tadahiro; Satoh, Katsuhiko; Shimozawa, Eiichi; Awa, Yasuhiko; Sato, Fumihiro; Nozaki, Kenro; Gushima, Akira; Suemura, Yosinobu; Kusakabe, Nobuo; Imada, Kunihiro; Arichi, Masatoshi; Tanaka, Mitsunori; Umezu, Yoshinori; and Ikeda, Tsuneo, 4,871,393, Cl. 75-5.000.
- Umholtz, Franklyn G. Combined egg poacher and serving plate. 4,873,922, 10-17-89, Cl. 99-426.000.
- Umino, Masuo: *See—*
  - Miyanaga, Akiyoshi; and Umino, Masuo, 4,808,540, Cl. 436-150.000.
  - Takahashi, Hiroaki; Okada, Haruo; Matsumoto, Katsuya; and Umino, Masuo, 4,879,039, Cl. 210-635.000.
- Umio, Suminori; Kozasa, Shizuo; and Yabuuchi, Takahiro, to Hoei Pharmaceutical Co., Ltd.; and Research Institute for Production Developement. Antiallergic and antiinflammatory benzothiazolinone derivatives. 4,879,301, 11-7-89, Cl. 514-321.000.
- Umlauf, William P.: *See—*
  - Petzold, Werner P.; and Umlauf, William P., 4,811,225, Cl. 364-424.100.
- Umotoy, Salvador P.: *See—*
  - Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilya; and Maydan, Dan, 4,872,947, Cl. 156-643.000.
- Umpleby, Jeffrey D., to BP Chemicals Limited. Polymer composition. 4,795,786, 1-3-89, Cl. 525-326.500.
- Umpleby, Jeffrey D., to Union Carbide Corporation. Process for the preparation of thermoplastic elastomers. 4,803,244, 2-7-89, Cl. 525-105.000.
- Umpleby, Jeffrey D.: *See—*
  - Cloetens, Rudolphe C.; and Umpleby, Jeffrey D., 4,859,810, Cl. 174-110.0PM.
  - Gross, Laurence H.; Silverman, Robert L.; and Umpleby, Jeffrey D., 4,806,594, Cl. 525-64.000.
- Unagami, Shigeyuki: *See—*
  - Taniguchi, Tomohiko; Iseda, Kohei; Tomita, Yoshihiro; Amano, Fumio; Unagami, Shigeyuki; and Tominaga, Shoji, 4,831,636, Cl. 375-27.000.
  - Taniguchi, Tomohiko; Iseda, Kohei; Okazaki, Koji; Amano, Fumio; and Unagami, Shigeyuki, 4,890,325, Cl. 381-34.000.
- Unangst, Paul C.: *See—*
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,195, Cl. 514-375.000.
  - Carethers, Mary E.; Cetenko, Wiaczeslaw A.; Connor, David T.; Johnson, Elizabeth A.; Kiely, John S.; Schwender, Charles F.; Sircar, Jagadish C.; Sorenson, Roderick J.; Unangst, Paul C.; and Bruns, Robert F., 4,868,199, Cl. 514-411.000.
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- Unarco Industries, Inc.: *See—*
  - Djerf, Tobin, 4,818,034, Cl. 301-63.0PW.
  - Djerf, Tobin, 4,879,794, Cl. 29-159.100.
- UnBlade Co., The: *See—*
  - Jones, Dallas W., 4,819,416, Cl. 56-12.700.
- Uncle Ben's Inc.: *See—*
  - Myers, Marshall J.; Brooks, Lester A.; Opella, Jerry; and Campbell, Clifford, 4,810,519, Cl. 426-618.000.
- Undatim Ultrasonics: *See—*
  - Cordemans de Meulenaer, Eric D.; and Hannecart, Baudouin O., 4,804,131, Cl. 228-110.000.
- Undatim Ultrasonics S.A.: *See—*
  - Cordemans de Meulenaer, Eric; and Hannecart, Baudoin, 4,882,525, Cl. 310-316.000.
- Under Sea Industries, Inc.: *See—*
  - Toth, Douglas J., 4,887,932, Cl. 405-186.000.

- Underground Technologies, Inc.: *See—*
  - Kinnan, Frank R., 4,842,207, Cl. 242-54.00R.
  - Kinnan, Frank R., 4,858,703, Cl. 175-19.000.
  - Kinnan, Frank R., 4,866,214, Cl. 174-47.000.
- Underhaug A/S: *See—*
  - Roymberg, Erling, 4,841,716, Cl. 53-556.000.
- Underkart Industries of Canada Ltd.: *See—*
  - Garrett, Alan, 4,845,804, Cl. 16-19.000.
- Undersea Industries, Inc.: *See—*
  - Garraffa, Dean R., 4,796,618, Cl. 128-204.260.
  - Hart, Dennis, 4,856,120, Cl. 2-428.000.
  - Lamont, Mark D., 4,884,564, Cl. 128-201.110.
  - Mosier, Arthur R., 4,812,083, Cl. 405-186.000.
- Underwood, Anthony H.: *See—*
  - Ellis, David; Emmett, John C.; Underwood, Anthony H.; and Leeson, Paul D., 4,826,876, Cl. 514-535.000.
- Underwood, David H.: *See—*
  - Rogers, Thomas A.; and Underwood, David H., 4,805,528, Cl. 100-3.000.
- Underwood, Don C.: *See—*
  - Wester, Randy J.; Hopkins, Bob C.; and Underwood, Don C., 4,836,579, Cl. 285-3.000.
- Underwood, Cary; and Graham, Robert G., to Ensyn Engineering Associates Inc. Method of using fast pyrolysis liquids as liquid smoke. 4,876,108, 10-24-89, Cl. 426-650.000.
- Underwood, George D., to Hughes Aircraft Company. Method and apparatus for obtaining high frequency resolution of a low frequency signal. 4,818,894, 4-4-89, Cl. 307-269.000.
- Underwood, Herbert N., to Borg-Warner Corporation. Offset three-gear, two-system pump. 4,815,954, 3-28-89, Cl. 418-196.000.
- Underwood, Kent. Patterning mechanism for knitting machines. 4,800,739, 1-31-89, Cl. 66-228.000.
- Underwood, Lance D.: *See—*
  - Keshavan, Madapusi K.; Underwood, Lance D.; Kar, Naresh J.; Oldham, Thomas W.; Roth, Cary A.; and Armstrong, Brian J., 4,836,307, Cl. 175-374.000.
- Underwood, Roy F.: *See—*
  - Littleford, Gordon E.; and Underwood, Roy F., 4,888,565, Cl. 331-25.000.
- Undin, Hans, to C. A. Weidmuller GmbH & Co. Pliers-type tool. 4,825,735, 5-2-89, Cl. 81-352.000.
- Une, Ryuzo; and Naruki, Kenichi, to Mitsubishi Denki Kabushiki Kaisha. Belt drive for thermal printer. 4,829,320, 5-9-89, Cl. 346-76.0PH.
- Une, Ryuzo, to Mitsubishi Denki Kabushiki Kaisha. Sheet tensioning printer rollers. 4,838,719, 6-13-89, Cl. 400-618.000.
- Une, Ryuzo: *See—*
  - Fukumoto, Hiroshi; Namura, Koji; Naruki, Kenichi; and Une, Ryuzo, 4,878,772, Cl. 400-120.000.
- Uneme, Kazuhiko: *See—*
  - Yamazaki, Yoshio; Uneme, Kazuhiko; and Shimada, Takeichi, 4,867,100, Cl. 118-657.000.
- Unemi, Norio: *See—*
  - Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Takeda, Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Unemi, Norio, 4,886,877, Cl. 536-23.000.
- Uneo, Hideo; Hattori, Hiroshi; Yamada, Shigeto; and Yamada, Shigeto, to Brother Kogyo Kabushiki Kaisha. Character erasable printing apparatus. 4,810,121, 3-7-89, Cl. 400-697.100.
- Uneyama, Kenji: *See—*
  - Torii, Sigeru; Uneyama, Kenji; Tanaka, Hideo; Nokami, Junzo; Sasaoka, Michio; Saito, Norio; and Shiroi, Takashi, 4,853,468, Cl. 540-215.000.
- Ungar, Jeffrey E., to Ortel Corporation. Single frequency high power semiconductor laser. 4,856,017, 8-8-89, Cl. 372-96.000.
- Ungarelli, Raffaele; and Sogli, Loris, to Montedison S.p.A. Process for the preparation of (2,2)-paracyclophane and derivatives thereof. 4,853,488, 8-1-89, Cl. 570-184.000.
- Ungarelli, Raffaele; Beretta, Maurizio A.; and Sogli, Loris, to Montedison S.p.A. Process for the preparation of tricyclo 8.2.2.2 hexadeca 4,6,10,12,13,15 hexaene chlorinated in the benzene rings. 4,886,923, 12-12-89, Cl. 570-210.000.
- Ungchusri, Tep: *See—*
  - Witt, Robert L.; Barrett, Stephen P.; Ungchusri, Tep; and Bates, Roy C., 4,867,483, Cl. 285-23.000.
- Unger, Daniel D.: *See—*
  - Unger, Gregory T.; and Unger, Daniel D., 4,885,810, Cl. 4-496.000.
- Unger, Dieter, to Holstein und Kappert Aktiengesellschaft. Apparatus for closing bottles. 4,835,940, 6-6-89, Cl. 53-342.000.
- Unger, Gregory T.; and Unger, Daniel D. Articulated litter for hydrotherapy. 4,885,810, 12-12-89, Cl. 4-496.000.
- Unger, Helmut: *See—*
  - Kloft, Manfred; Zerrer, Gerhard; and Unger, Helmut, 4,864,728, Cl. 30-276.000.
- Unger, Henry M. Cleaning apparatus, particularly for cleaning window panes. 4,847,938, 7-18-89, Cl. 15-245.000.
- Unger, Henry M. Apparatus for wet cleaning in particular window panes. 4,858,267, 8-22-89, Cl. 15-220.00R.
- Unger, John J.; and Suffi, Louis, to Reliance Comm/Tec Corporation. Telephone distribution frame connector assembly. 4,808,116, 2-28-89, Cl. 439-94.000.
- Unger, John J., to Reliance Comm/Tec Corporation. Telephone distribution frame connector assembly for use with central office protector module having alarm indicator. 4,854,884, 8-8-89, Cl. 439-92.000.
- Unger, Klaus: *See—*
  - Danner, Alfred; Mueller, Ulaich; Unger, Klaus; and Hoelderich, Wolfgang, 4,871,701, Cl. 502-62.000.
- Unger, Larry E., to Mid-South Products Engineering, Inc. Safety packaging for hypodermic syringes with needles and the like. 4,872,552, 10-10-89, Cl. 206-365.000.
- Unger, Liliane: *See—*
  - Steiner, Gerd; Pfister, Juergen; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,866,057, Cl. 514-215.000.
  - Steiner, Gerd; Teschendorf, Hans-Juergen; Unger, Liliane; and Binder, Rudolf, 4,885,278, Cl. 514-215.000.
- Unger, Richard F.: *See—*
  - Gustafson, Alan D.; and Unger, Richard F., 4,802,342, Cl. 62-239.000.
  - Harrington, Robert L.; Larson, Terry G.; and Unger, Richard F., 4,842,227, Cl. 248-56.000.
- Unger, Rudolf: *See—*
  - Van Kampen, Willem A.; Ritsema, Anne R.; and Unger, Rudolf, 4,821,246, Cl. 367-189.000.
- Unger, Rueven Z.; and Kushnir, Mark, to ICE Cryogenic Engineering Ltd. Cryogenic cooler. 4,852,356, 8-1-89, Cl. 62-6.000.
- Unger, Samuel L.; Telles, Rodney W.; and Lobowitz, Hyman R., t Environmental Protection Polymers, Inc. Method for encapsulating hazardous wastes using a staged mold. 4,859,395, 8-22-89, Cl. 264-254.000.
- Unger, Thomas M.: *See—*
  - Lalonde, Eugene I.; Bruynesteyn, Michael R.; and Unger, Thomas M., 4,886,607, Cl. 210-739.000.
- Unger, Vicki. Toy and puzzle with reversible breakability. 4,886,27 12-12-89, Cl. 273-157.00R.
- Ungerboeck, Gottfried: *See—*
  - Dolivo, Francois B.; and Ungerboeck, Gottfried, 4,890,299, C 375-18.000.
- Ungerer, Heinz-Jurgen: *See—*
  - Fachat, Gaston; Sistermann, Klaus; and Ungerer, Heinz-Jurge 4,822,392, Cl. 65-16.000.
- Ungermann, Heinz; Sauerschell, Wolfgang; and Heumann, Wilfried, t VDO Adolf Schindling AG. Electric set-point transmitter. 4,808,9 2-28-89, Cl. 328-146.000.
- Ungermann, Heinz: *See—*
  - Pfalzgraf, Manfred; and Ungermann, Heinz, 4,853,556, C 307-10.100.
- Ungpiyakul, Tanakon; Morgan, Arch D.; Thomas Douglas C.; Kete hofen, Timothy J.; Marver, Douglas J.; Couture-Dorschner, Laure and Pomplun, William S., to Kimberly-Clark Corporation. Metho and apparatus for detecting the placement of components on abs bent articles. 4,837,715, 6-6-89, Cl. 364-552.000.
- Uni-BMX, Inc.: *See—*
  - Berg, Roger M.; and Scott, Francis H., 4,836,615, Cl. 301-37.0SA
- Uni-Cardan Aktiengesellschaft: *See—*
  - Herrmann, Gert, 4,838,107, Cl. 74-411.000.
  - Herrmann, Gert, 4,840,262, Cl. 192-106.200.
  - Rettig, Helmut; Weiss, Karl; and Buss, Erich, 4,815,187, C 29-235.000.
- Uni-Cepts, Inc.: *See—*
  - Davis, Charles J., 4,862,811, Cl. 108-134.000.
- Uni-Charm Corporation: *See—*
  - Igaue, Takamitsu; and Tanji, Hiroyuki, 4,822,435, Cl. 156-164.00
  - Itoh, Kiichi; and Shibano, Takeshi, 4,842,927, Cl. 428-254.00
  - Itoh, Kiichi; and Shibano, Takeshi, 4,865,886, Cl. 427-342.00
  - Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayash Shigetoyo; and Yamamoto, Hiroki, 4,838,969, Cl. 156-160.00
  - Nozaki, Satoshi; Imai, Shigeo; Ishigami, Makoto; and Tomid Katsushi, 4,883,709, Cl. 428-288.000.
  - Sakai, Takashi; Kitayama, Hiroshi; Yamamoto, Masamitu; an Mino, Takashi, 4,826,433, Cl. 433-136.000.
  - Suzuki, Migaku; and Kobayashi, Toshio, 4,805,275, Cl. 28-104.00
  - Suzuki, Migaku; Ochi, Mitsuzo; and Kudo, Takeshi, 4,834,740, C 604-385.200.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; Ishigami, Mako and Kobayashi, Toshio, 4,840,829, Cl. 428-131.000.
  - Suzuki, Migaku; Nozaki, Satoshi; Imai, Shigeo; and Ishigam Makoto, 4,868,958, Cl. 28-104.000.
- Uni Colloid Kabushiki Kaisha: *See—*
  - Kubodera, Masao, 4,851,394, Cl. 514-54.000.
- Uni Corp.: *See—*
  - Burg, Robert J., 4,864,795, Cl. 523-646.000.
- Uni-Frac Inc.: *See—*
  - Parker, Trent J.; and Parker, Byron M., 4,869,851, Cl. 261-114.10
  - Parker, Trent J.; and Parker, Byron M., 4,872,955, Cl. 202-154.00
- Unibag A/S: *See—*
  - Olesen, Ejvid H. B., 4,881,825, Cl. 383-906.000.
- Unibind Limited: *See—*
  - Mugnai, Guido, 4,832,371, Cl. 281-29.000.
- Unico, Inc.: *See—*
  - Beck, James A., 4,815,916, Cl. 414-796.500.
  - Beck, Thomas L., 4,795,956, Cl. 318-628.000.
- Unicomb, Peter I.: *See—*
  - Doonan, Jeffery W.; Unicomb, Peter I.; and Armstrong, Robert K., 4,8,6,090, Cl. 148-320.000.
- Unicoopjapan: *See—*
  - Iwasaki, Atsushi; Ohta, Hideaki; Oda, Katsumi; Tsukada, Nao and Sekine, Kiyoshi, 4,848,678, Cl. 241-65.000.
- Unicorn Electrical Products: *See—*
  - Vogele, Thomas A., 4,873,600, Cl. 361-426.000.

- corn Industries Public Limited Company: *See—*
  - Yates, Raymond W., 4,832,706, Cl. 51-293.000.
- dec: *See—*
  - Pike, Brian R.; Furlong, Patrick J.; and Moers, John W., 4,854,760. Cl. 401-134.000.
- iden Corporation: *See—*
  - Baba, Yoshihiko, 4,831,498, Cl. 361-424.000.
  - Hikuma, Hideo, 4,803,491, Cl. 343-702.000.
  - Konishi, Yoshihiro; and Fujimoto, Haruaki, 4,823,097, Cl. 333-116.000.
  - Konishi, Yoshihiro; Konno, Kenichi; and Awai, Ikuo, 4,837,535, Cl. 333-210.000.
- iden Corporation of America: *See—*
  - Ahlemeyer, William B.; McCormick, Ben F., II; and Crum, Stephen T., 4,888,815, Cl. 455-168.000.
  - Kojima, Kazuo, 4,797,916, Cl. 379-454.000.
- dynamics Corporation: *See—*
  - Falk, Leonard P., 4,831,841, Cl. 62-381.000.
  - Ficken, Leonard A., 4,804,108, Cl. 221-223.000.
  - Ficken, Leonard A., 4,823,984, Cl. 221-96.000.
  - Kilwin, Thomas C., 4,828,095, Cl. 192-150.000.
  - Press, Irving D.; and Rink, Helm A., 4,819,965, Cl. 285-14.000.
  - Press, Irving D., 4,854,611, Cl. 285-3.000.
- flex Utiltime S.p.A.: *See—*
  - Brusadin, Giacomo, 4,813,606, Cl. 239-230.000.
- govsky, Mikhail R.: *See—*
  - Paton, Boris E.; Lebedev, Vladimir K.; Kuchuk-Yatsenko, Sergei I.; Sakharnov, Vasily A.; Kharchenko, Alexandr K.; and Unigovsky, Mikhail R., 4,885,450, Cl. 219-101.000.
- lever Patent Holdings B.V.: *See—*
  - Araya, Abraham, 4,888,309, Cl. 501-80.000.
  - Chapple, Andrew P., 4,849,394, Cl. 502-234.000.
  - Clark, Nigel L., 4,853,451, Cl. 526-331.000.
  - Davis, Paul J.; and Reynolds, James F., 4,863,731, Cl. 424-93.000.
  - Davis, Paul J.; and Porter, Philip, 4,889,816, Cl. 436-518.000.
  - De Rooij, Johannes F. M.; and Meakins, Stephen E., 4,873,108, Cl. 426-533.000.
  - Fischer, Wilhelm, 4,815,254, Cl. 53-456.000.
  - Freeman, Christopher P., 4,824,679, Cl. 426-2.000.
  - Garvey, Michael J.; and Griffiths, Ian C., 4,810,787, Cl. 536-127.000.
  - King, David M.; and Padley, Frederick B., 4,876,107, Cl. 426-601.000.
  - Lawrence, Jack, 4,799,593, Cl. 206-585.000.
  - Poulina, Ramires R.; and Meulenberg, Abraham J., 4,813,975, Cl. 44-7.500.
  - Sanz, Erich; and Heinz, Erhard, 4,838,431, Cl. 206-631.000.
  - Staal, Leendert H.; Vis, Jan C.; and Groeneweg, Jan W., 4,812,436, Cl. 502-407.000.
  - Vates, Heinz; and Edelberg, Rainer, 4,835,064, Cl. 428-518.000.
  - Wieske, Theophil, 4,888,197, Cl. 426-602.000.
- mac s.n.c. di Nadalini Raffaele & C.: *See—*
  - Malervisi, William; Righetti, Claudio; Nadalini, Raffaele; Braga, Umberto; and Romagnoli, Marino, 4,860,922, Cl. 221-6.000.
- mation, Inc.: *See—*
  - Daggett, Kenneth E., 4,868,472, Cl. 318-568.200.
  - Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; and Johnson, Richard A., 4,874,997, Cl. 318-568.100.
  - Daggett, Kenneth E.; Onaga, Eimei M.; and Casler, Richard J., Jr., 4,876,494, Cl. 318-568.220.
  - Onaga, Eimei M.; and Casler, Richard J., Jr., 4,807,153, Cl. 364-513.000.
  - Penkar, Rajan C., 4,829,219, Cl. 318-568.180.
  - Perzley, William; Penkar, Rajan C.; and Davis, Jeffrey R., 4,823,279, Cl. 364-513.000.
- mat Distribution Limited: *See—*
  - Ming, Alex L. K., 4,840,599, Cl. 446-465.000.
- mat Switch Limited: *See—*
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- orm Anstalt: *See—*
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- nski, Maciej: *See—*
  - Synoradzki, Ludwik; Lasota, Jacek; Zielinski, Boguslaw; Kasprzak, Andrzej; Uninski, Maciej; Siwanowicz, Bogdan; Dluzniewski, Tomasz; Gieysztor, Andrzej; Zadrozny, Roman; Smyk, Andrzej; Pazgan, Andrzej; Dobosz, Irena; Brzozowska-Janiak, Teresa; Szawlowski, Zdzislaw; and Dusinski, Ireneusz, 4,795,820, Cl. 556-105.000.
- ion Camp Corporation: *See—*
  - Bledsoe, James O., Jr.; and Brust, Bernard, 4,853,089, Cl. 203-38.000.
  - Bornack, Walter K., Jr.; and McNally, Keith R., 4,873,311, Cl. 528-272.000.
  - Bose, Ajit K.; Strater, Kurt F.; and Geick, Kenneth S., 4,842,803, Cl. 264-565.000.
  - Edwards, Anne M.; and Rosen, Allen, 4,836,892, Cl. 162-141.000.
  - Firth, William C., Jr., 4,889,645, Cl. 252-8.514.
  - Foltz, John R., 4,867,097, Cl. 118-407.000.
  - Frank, Walter C., 4,877,910, Cl. 585-411.000.
  - Frank, Walter C., 4,877,911, Cl. 585-411.000.
  - Frank, Walter C., 4,877,912, Cl. 585-411.000.
  - Frank, Walter C., 4,877,913, Cl. 585-411.000.
  - Frank, Walter C., 4,877,914, Cl. 585-411.000.
  - Frank, Walter C., 4,877,915, Cl. 585-411.000.
  - Frank, Walter C., 4,877,916, Cl. 585-411.000.
  - Frihart, Charles R.; and Pavlin, Mark S., 4,830,671, Cl. 106-27.000.
  - Harman, Nancy W., 4,853,460, Cl. 528-339.300.
  - Hayes, Michael E., 4,853,421, Cl. 523-223.000.
  - Hayes, Michael E., 4,886,844, Cl. 523-223.000.
  - Lambert, William E., 4,863,052, Cl. 220-1.00T.
  - Locko, George A., 4,889,285, Cl. 239-34.000.
  - Mitchell, Peter W. D., 4,831,163, Cl. 549-463.000.
  - Mitchell, Peter W. D., 4,874,900, Cl. 568-390.000.
  - Rawl, Henry J., 4,848,929, Cl. 383-85.000.
  - Rumack, Daniel T., 4,816,549, Cl. 528-336.000.
  - Wroczynski, Ronald J., 4,882,414, Cl. 528-339.300.
- Union Carbidae Corporation: *See—*
  - Cann, Kevin J.; Chen, Michael W.; and Karol, Frederick J., 4,861,846, Cl. 526-75.000.
- Union Carbide Canada Limited: *See—*
  - Norton, Ian F., 4,834,570, Cl. 403-167.000.
- Union Carbide Chemicals and Plastics Company Inc.: *See—*
  - Ancker, Fred H., 4,873,116, Cl. 428-36.900.
  - Brode, George L., II; and Merritt, Frederick M., II, 4,873,293, Cl. 525-417.000.
  - Cavender, Keith D.; Derderian, Edmond J.; Jarrett, Eugene L.; and Nielsen, Kenneth A., 4,882,107, Cl. 264-51.000.
  - Doumaux, Arthur R., Jr.; and Nelson, James R., 4,879,401, Cl. 558-488.000.
  - Fan, You-Ling; Stanley, James P.; and Brode, George L., 4,889,887, Cl. 524-510.000.
  - Ficker, Harold K.; and Sheard, William G., 4,882,380, Cl. 525-53.000.
  - Foster, George N.; Petty, Herbert E.; and Blevins, Charles H., II, 4,879,378, Cl. 556-439.000.
  - Fulks, Bernard D.; Sawin, Steven P.; Aikman, Collin D.; and Jenkins, John M., III, 4,876,320, Cl. 526-62.000.
  - Herdle, William B., 4,888,425, Cl. 544-402.000.
  - Kao, Sun-Chueh; and Karol, Frederick J., 4,886,771, Cl. 502-121.000.
  - Knopf, Robert J.; and Theiling, Louis F., Jr., 4,886,917, Cl. 568-623.000.
  - Logsdon, John E.; Loke, Richard A.; Merriam, Jay S.; and Voight, Richard W., 4,876,402, Cl. 568-881.000.
  - Ream, Bernard C., 4,877,886, Cl. 549-230.000.
  - Rhee, Seung J.; and Simpson, Larry L., 4,877,587, Cl. 422-135.000.
  - Topcik, Barry, 4,873,042, Cl. 264-211.240.
  - Vera-Castaneda, Ernesto; and Logsdon, John E., 4,886,919, Cl. 568-885.000.
  - Westfall, Paul M.; Critchfield, Frank E.; and Gill, William A., 4,883,825, Cl. 521-112.000.
- Union Carbide Corporation: *See—*
  - Acharya, Arun; and Nowobilski, Jeffert J., 4,852,358, Cl. 62-63.000.
  - Acharya, Arun; Merchese, Michael A.; and Nowobilski, Jeffert J., 4,856,285, Cl. 62-63.000.
  - Ahmed, Moinuddin; Nelson, James R.; and Gibson, Charles A., 4,845,296, Cl. 564-477.000.
  - Ancker, Fred H.; and Ashcraft, Arnold C., Jr., 4,795,768, Cl. 523-200.000.
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  - Argyropoulos, John N.; Derderian, Edmond J.; Keen, Brian T.; and Bumgardner, Timothy G., 4,883,906, Cl. 560-238.000.
  - Atwood, Gilbert R., 4,828,703, Cl. 210-634.000.
  - Austin, Paul E.; Farris, David D.; Reedy, James D.; Blevins, Charles; and Ramdati, Philbert E., 4,857,583, Cl. 524-761.000.
  - Baker, Otis M.; Critchfield, Frank E.; and Westfall, Paul M., 4,814,359, Cl. 521-129.000.
  - BeVier, William E., 4,812,147, Cl. 55-25.000.
  - Bikson, Benjamin; and Giglia, Salvatore, 4,800,019, Cl. 210-321.800.
  - Bikson, Benjamin; and Nelson, Joyce K., 4,826,599, Cl. 210-500.300.
  - Bikson, Benjamin; and Giglia, Salvatore, 4,877,421, Cl. 55-16.000.
  - Bikson, Benjamin; Miller, James E.; and Nelson, Joyce K., 4,881,954, Cl. 55-16.000.
  - Bikson, Benjamin; and Giglia, Slavatore, 4,881,955, Cl. 55-16.000.
  - Billig, Ernst; Abatjoglou, Anthony G.; and Bryant, David R., 4,885,401, Cl. 568-454.000.
  - Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., 4,814,409, Cl. 528-25.000.
  - Blevins, Charles H., II; Herdle, William B.; and Murphy, Gerald J., 4,855,329, Cl. 521-112.000.
  - Borcuch, John P.; and Thompson, David R., 4,821,523, Cl. 62-52.000.
  - Breneman, William C.; Flagella, Robert N.; Gaston, Jon M.; and Hagan, David W., 4,826,668, Cl. 423-349.000.
  - Briggs, John R.; and Robson, John H., 4,822,925, Cl. 568-853.000.
  - Briggs, John R., 4,853,356, Cl. 502-117.000.
  - Brode, George L., II; and Merritt, Frederick M., II, 4,837,005, Cl. 424-47.000.
  - Budnik, Richard A.; and Murphy, Gerald J., 4,855,379, Cl. 528-29.000.
  - Burns, Norman M., Jr., 4,857,232, Cl. 252-511.000.
  - Burwell, William H., 4,815,096, Cl. 373-74.000.
  - Campbell, Michael J., 4,806,132, Cl. 55-16.000.
  - Campbell, Michael J.; Smolarek, James; and Pietruszewski, John J., 4,867,766, Cl. 55-161.000.
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  - Cheng, Alan T., 4,861,352, Cl. 55-53.000.
  - Cherne, Lawrence W.; and Lyttle, Kevin A., 4,871,898, Cl. 219-137.00R.
  - Cheung, Harry, 4,822,395, Cl. 62-22.000.

Chirillo, John R.; Kimbrough, Kellam C., II; and McHattie, Peder E., 4,855,370, Cl. 526-74.000.
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Daily, Joseph V., 4,798,474, Cl. 118-408.000.
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  Berndt, Mitchell J., 4,798,343, Cl. 241-36.000.
  Biale, John, 4,829,102, Cl. 523-201.000.
  Biale, John, 4,885,320, Cl. 523-201.000.
  Blackwell, Wayne V.; and Warren, William P., 4,811,79 175-209.000.
  Cobb, Delwin E., 4,820,382, Cl. 201-32.000.
  Coyle, R. Tom; and Switzer, Jay A., 4,882,014, Cl. 204-1.50
  Coyle, Roy T.; and Ho, Phillman N., 4,839,150, Cl. 423-345.0
  Croudace, Michael C.; Wusz, Timothy; and Brass, Stephe 4,844,717, Cl. 44-71.000.
  Dvoracek, Louis M., 4,810,397, Cl. 252-35.000.
  Erich, Otis G., Jr.; and Fillippone, Walter R., 4,813,029, C 367-188.000.
  Featherstone, John L.; Spang, S. Timothy; Newell, David G.; an Gallup, Darrell L., 4,874,529, Cl. 210-713.000.
  Gallup, Darrell L.; and Jost, John W., 4,830,766, Cl. 252-8.552
  Ghandehari, Mohammad H., 4,834,812, Cl. 148-101.000.
  Ghandehari, Mohammad H., 4,878,958, Cl. 148-103.000.
  Grayson, Gerard; and Wong, Morton M., 4,888,053, Cl. 7 101.00R.
  Harbolt, Bruce A.; and Howell, David W., 4,863,645, C 264-13.000.
  Hass, Robert H., 4,804,522, Cl. 423-235.000.

  Ho, Phillman N., 4,798,668, Cl. 208-428.000.
  Holstedt, Richard A.; and Croudace, Michael C., 4,801,729, Cl. 558-289.000.
  Hsieh, Wen-Ching, 4,795,772, Cl. 524-159.000.
  Hsieh, Wen-Ching, 4,808,648, Cl. 524-156.000.
  Hsieh, Wen-Ching, 4,836,282, Cl. 166-273.000.
  Ingle, David M., 4,855,349, Cl. 524-432.000.
  Jessup, Peter J., 4,812,146, Cl. 44-77.000.
  Koepke, Jeffery W.; Hsieh, Wen-Ching; and Bostich, June M., 4,847,018, Cl. 562-33.000.
  Koepke, Jeffery W.; and Abdo, Suheil F., 4,871,445, Cl. 208-89.000.
  Koepke, Jeffery W.; and Delaney, Dennis D., 4,883,601, Cl. 210-710.000.
  Kokayeff, Peter; and Abdo, Suheil F., 4,827,076, Cl. 585-737.000.
  Kokayeff, Peter; and Abdo, Suheil F., 4,886,935, Cl. 585-737.000.
  Lin, Eugene C., 4,848,466, Cl. 166-273.000.
  Masser, Brian W.; and Campbell, Richard G., 4,844,162, Cl. 166-267.000.
  Miller, Alex E., 4,798,727, Cl. 426-69.000.
  Miller, Alex E., 4,800,092, Cl. 426-69.000.
  Miller, Alex E., 4,888,185, Cl. 426-72.000.
  Moorehead, Eric L., 4,801,567, Cl. 502-77.000.
  Moorehead, Eric L., 4,828,813, Cl. 423-263.000.
  Moorehead, Eric L., 4,842,720, Cl. 208-950.000.
  Moorehead, Eric L., 4,844,791, Cl. 208-111.000.
  Occelli, Mario, 4,844,790, Cl. 208-46.000.
  Occelli, Mario L., 4,803,060, Cl. 423-326.000.
  Pauciak, Robert L., 4,808,000, Cl. 356-375.000.
  Pye, D. Stephen; Featherstone, John L.; Gallup, Darrell L.; Gritters, Gregory A.; Hoyer, Daniel F.; and Wong, Morton M., 4,869,066, Cl. 60-641.500.
  Ratcliffe, Charles T.; and Ward, John W., 4,798,816, Cl. 502-62.000.
  Ratcliffe, Charles T.; and Ward, John W., 4,876,408, Cl. 585-467.000.
  Robinson, Paul R.; and Simpson, Howard D., 4,846,961, Cl. 208-216.0PP.
  Scherzer, Julius, 4,810,369, Cl. 208-120.000.
  Scherzer, Julius, 4,880,521, Cl. 208-120.000.
  Shen, Jian-Chyun, 4,844,164, Cl. 166-291.000.
  Shih, Chien-Cheng; Hulse, Darcel L.; and Albertson, Walter, 4,813,788, Cl. 366-337.000.
  Simpson, Howard D., 4,816,434, Cl. 502-210.000.
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  Simpson, Howard D.; and Borgens, Pauline B., 4,879,265, Cl. 502-211.000.
  Simpson, Howard D., 4,886,582, Cl. 502-211.000.
  Vauk, Dennis A.; and Skripek, Milan, 4,849,093, Cl. 208-143.000.
  Ward, John W.; Carlson, Timothy L.; and Millman, William S., 4,826,587, Cl. 208-111.000.
  Ward, John W., 4,829,040, Cl. 502-206.000.
  Ward, John W., 4,839,025, Cl. 208-111.000.
  Ward, John W., 4,869,803, Cl. 208-46.000.
  Ward, John W.; and Carlson, Timothy L., 4,877,762, Cl. 502-77.000.
  Ward, John W., 4,879,019, Cl. 208-111.000.
  Young, Donald C., 4,801,511, Cl. 429-198.000.
  Young, Donald C., 4,818,269, Cl. 71-83.000.
  Young, Donald C., 4,822,624, Cl. 426-53.000.
  Young, Donald C., 4,831,056, Cl. 514-588.000.
  Young, Donald C., 4,834,788, Cl. 71-83.000.
  Young, Donald C., 4,839,088, Cl. 252-183.130.
  Young, Donald C., 4,847,087, Cl. 424-702.000.
  Young, Donald C., 4,851,199, Cl. 423-65.000.
  Young, Donald C., 4,863,506, Cl. 71-113.000.
  Young, Donald C., 4,877,869, Cl. 536-35.000.
  Young, Donald C., 4,885,425, Cl. 585-458.000.
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  Ackermann, Manfred; and Narwert, Franklin V., 4,817,544, Cl. 112-141.000.
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  Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, 4,858,546, Cl. 112-286.000.
  Adamski, Maximilian; Kosrow, Robert L.; and Ruderman, Stephen, 4,878,445, Cl. 112-311.000.
  Adamski, Maximilian, Jr., 4,796,552, Cl. 112-285.000.
  Adamski, Maximilian, Jr., 4,825,785, Cl. 112-162.000.
  Kosrow, Robert L.; Prochut, Richard; and Adamski, Maximilian, Jr., 4,819,926, Cl. 270-45.000.
  Van Eyk, John, 4,834,009, Cl. 112-288.000.
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  Brownlee, ALfred W. T., 4,821,661, Cl. 112-248.000.
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  Norz, Wolfgang; Rohr, Gunter; and Weingartner, Karl-Heinz, 4,850,293, Cl. 112-294.000.
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  Cesare, Frank C.; Whelan, William P., Jr.; Petersen, Henno A.; Coolbaugh, Thomas S.; and Davis, Robert G., 4,888,393, Cl. 525-285.000.
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  Covey, Rupert A.; Forbes, Patricia J.; Bell, Allyn R.; and Blem, Allen R., 4,830,661, Cl. 71-92.000.
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  Friedlander, Barry T.; Davis, Robert A.; and Blem, Allen R., 4,870,094, Cl. 514-383.000.
  Lai, Hoi K.; Davis, Robert A.; and Blem, Allen R., 4,857,649, Cl. 548-262.000.
  Malz, Russell E., Jr.; Sargent, John W.; and Feiccabrino, Joseph A., 4,814,444, Cl. 544-354.000.
  Malz, Russell E., Jr., 4,814,504, Cl. 564-435.000.
  Mishra, Anupama; and Moore, Richard C., 4,845,236, Cl. 549-75.000.
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  Mitchell, Julian M.; Wingrove, Donald E.; and Eckert, Charles F., 4,814,384, Cl. 525-211.000.
  Stieber, Joseph F., 4,808,714, Cl. 544-58.400.
  Strunk, Richard J.; and Moore, Richard C., 4,804,653, Cl. 514-63.000.
  Tomko, Richard F.; Sigworth, William D.; and Coolbaugh, Thomas S., 4,818,789, Cl. 525-64.000.
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  Friedlander, Barry T.; Davis, Robert A.; and Blem, Allen R., 4,870,094, Cl. 514-383.000.
  Lai, Hoi K.; Davis, Robert A.; and Blem, Allen R., 4,857,649, Cl. 548-262.000.
  Mishra, Anupama; and Moore, Richard C., 4,845,236, Cl. 549-75.000.
  Mishra, Anupama; and Moore, Richard C., 4,880,828, Cl. 514-438.000.
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  Brouwer, Walter G.; Felauer, Ethel E.; and Kulka, Marshal, 4,822,813, Cl. 514-433.000.
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  Gerresheim, Manfred; Sommer, Jurgen; Poque, Dionysius J.; and Vogler, Hans-Jurgen, 4,815,512, Cl. 152-209.00R.
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  Mattson, William F., 4,816,198, Cl. 264-40.600.
  Mattson, William F., 4,861,253, Cl. 425-143.000.
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  Rockarts, Rene L.; and Bartley, Donald R., 4,881,881, Cl. 425-28.100.
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  - Condit, Timothy B.; German, John F.; and Irish, Ellwood, 4,830,531, Cl. 403-348.000.
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  - Abel, Kenneth N.; and Rudy, John E., 4,812,742, Cl. 324-73.00R.
  - Angelucci, Ernest A., 4,841,231, Cl. 324-73.00R.
  - Anton, George S., 4,853,683, Cl. 340-720.000.
  - Balogh, Edward, Jr.; Faultersack, David D.; Peter, Jack; Roddy, Stephen P.; and Thune, Eric B., 4,811,275, Cl. 364-900.000.
  - Banka, Eugene F.; and Hebeler, Charles B., 4,885,650, Cl. 360-122.000.
  - Barndt, Robert A., Sr., 4,809,303, Cl. 375-110.000.
  - Barnes, Richard M., 4,849,762, Cl. 342-188.000.
  - Baron, Kenneth C., 4,860,239, Cl. 364-728.030.
  - Bennett, Donald B.; Thorsrud, Lee T.; and Petschauer, Thomas W., 4,825,438, Cl. 371-8.000.
  - Bezuk, Steve J.; Gheewala, Tushar R.; Campbell, Stephen A.; and Baseman, Robert J., 4,845,542, Cl. 357-68.000.
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  - Burkhardt, Kenneth J., Jr.; Gerbehy, Jay L.; Skapinetz, Theodore J.; and Bremond-Gregoire, Patrice M. A., 4,866,664, Cl. 364-900.000.
  - Chenest, Gerard, 4,817,844, Cl. 226-118.000.
  - Chenest, Gerard, 4,840,507, Cl. 400-713.000.
  - Conwell, Peter R., 4,858,147, Cl. 364-513.000.
  - Coogan, Ronald S., 4,805,090, Cl. 364-200.000.
  - Coogan, Ronald S., 4,885,683, Cl. 364-200.000.
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  - Davies, Michael L.; and Weber, Lawrence, 4,818,854, Cl. 235-381.000.
  - DeMoss, Dean; Richardson, Harvey J.; and Narasaki, Tom, 4,823,215, Cl. 360-98.020.
  - El-Sadi, Ashraf I., 4,885,516, Cl. 318-615.000.
  - Entezarmahdi, Seyed; and Mortazavi, Sassan, 4,849,835, Cl. 360-60.000.
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  - Flora, Laurence P., 4,803,655, Cl. 364-900.000.
  - Frandsen, Jorgen, 4,868,432, Cl. 310-12.000.
  - Frew, Duncan W.; and Shadwick, Robert P., 4,797,303, Cl. 427-131.000.
  - Gabuzda, Paul G.; and Terrell, Sanford V., 4,851,965, Cl. 361-383.000.
  - Gal, Laszlo V.; Arraut, Fernando W.; and Khosravi, Christopher H., 4,839,541, Cl. 307-481.000.
  - Graham, Ian F., 4,832,328, Cl. 271-35.000.
  - Guerrera, Nunzio; and Cividino, Lorenzo, 4,825,347, Cl. 363-41.000.
  - Hamstra, James R., 4,811,203, Cl. 364-200.000.
  - Hayden, L. M., 4,887,884, Cl. 350-96.290.
  - Henze, Christopher P.; Mohan, Ned; and Hayes, John G., 4,855,888, Cl. 363-17.000.
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  - Idleman, Thomas E.; and Stamness, Jesse I., 4,868,734, Cl. 364-200.000.
  - Jennings, Andrew T.; and Keller, John A., 4,796,178, Cl. 364-200.000.
  - Jennings, Andrew T.; Schibinger, Joseph S.; and Kalemba, Ronald J., 4,819,150, Cl 364-200.000.
  - Jones, Robert V., 4,801,939, Cl. 342-25.000.
  - Keate, Christopher R., 4,833,639, Cl. 364-841.000.
  - Keate, Christopher R.; and Arbanas, Glenn A., 4,870,382, Cl. 331-4.000.
  - Keate, Christopher R., 4,870,660, Cl. 375-88.000.
  - Kim, Dongsung R.; and Kronies, Reinhard K., 4,809,278, Cl. 371-51.000.
  - Kim, Dongsung R.; and Kronies, Reinhard K., 4,809,279, Cl. 371-51.000.
  - Kingston, Samuel C., 4,808,939, Cl. 328-167.000.
  - Kingston, Samuel C., 4,841,552, Cl. 377-43.000.
  - Kingston, Samuel C.; and Zscheile, John W., Jr., 4,852,121, Cl. 375-1.000.
  - Kregness, Glen R.; and Quinton, Walter L., 4,875,180, Cl. 364-715.030.
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  - Lake, Ralph, 4,799,314, Cl. 29-846.000.
  - Lake, Ralph J., Jr., 4,880,191, Cl. 248-371.000.
  - Larson, Brian R.; Bennett, Donald B.; and Murphy, Steven A., 4,833,468, Cl. 340-825.800.
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  - Leonard, Antony J.; and Macleod, Donald A., 4,889,332, Cl. 271-108.000.
  - Lundquist, Alan E.; Spencer, Billie M.; and Zscheile, John W., Jr., 4,817,001, Cl. 364-460.000.
  - Lundquist, Alan E.; Kingston, Samuel C.; Spencer, Billie M.; and Zscheile, John W., Jr., 4,817,113, Cl. 375-1.000.
  - McMurray, Frank, Jr., 4,833,397, Cl. 324-73.00R.
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  - Mower, Vaughn L., 4,801,900, Cl. 332-45.000.
  - Mower, Vaughn L., 4,814,727, Cl. 331-2.000.
  - Mower, Vaughn L.; Deneris, Evan A.; and Cox, John B., 4,839,603, Cl. 328-14.000.
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  - Ohlinger, Wilhelm; and Warner, Nicholas M., 4,808,900, Cl. 318-603.000.
  - Peterson, LuVerne R.; and Rehart, Michael A., 4,839,848, Cl. 364-757.000.
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  - Reeve, Jeffrey T.; and Giridhar, Rangaswamy P., 4,864,532, Cl. 364-900.000.
  - Revels, William R., 4,839,751, Cl. 360-60.000.
  - Roselle, Paul J.; and Benkusky, Richard T., 4,820,196, Cl. 439-519.000.
  - Rusterholz, John T.; and Schomburg, John R., 4,839,845, Cl. 364-736.000.
  - Rusterholz, John T.; and Hamstra, James R., 4,858,115, C. 364-200.000.
  - Rusterholz, John T.; Lahti, Archie E.; Bushard, Louis B.; Byers, Larry L.; Hamstra, James R.; and Homan, Charles J., 4,873,63 Cl. 364-200.000.
  - Savage, Shaun V. V.; and Harris, Johnny M., 4,797,853, C. 364-900.000.
  - Scotto, Dominick P., 4,815,716, Cl. 267-64.160.
  - Shestag, Lowell N.; Zscheile, John W., Jr.; Lundquist, Alan E.; and Kirkpatrick, Glen S., 4,827,269, Cl. 343-766.000
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  - Sordello, Frank J.; and Rose, Andrew M., 4,796,109, C. 360-45.000.
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  - Tustaniwskyj, Jerry I.; and Rogneby, James H., 4,809,134, C. 361-385.000.
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  - Wechsler, Robert E.; and Horch, Joseph A., 4,845,685, C. 367-97.000.
  - Wilson, Mark L.; and Fritz, Bernard S., 4,799,210, Cl. 369-110.000
  - Yoshihara, Hideki; and Warner, Nicholas M., 4,797,756, C. 360-77.020.
  - Young, Pamela J., 4,815,016, Cl. 364-578.000.
  - Zenk, Daniel K.; and Trost, John R., 4,835,672, Cl. 364-200.000
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  - Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Bellie M. 4,809,295, Cl. 375-1.000.
  - Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Billie M. 4,890,297, Cl. 375-1.000.
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- United Brands Company: *See—*
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  - Powell, Thomas W., Jr.; Schulz, Anthony A.; and Beall, Gary W., 4,861,584, Cl. 424-79.000.
- United Company, The: *See—*
  - Smith, Lloyd B., 4,855,042, Cl. 210-144.000.
  - Smith, Lloyd B., 4,857,210, Cl. 210-781.000.
- United Container Machinery Group, Inc.: *See—*
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- United Enertech Corporation: *See—*
  - Tate, Billy G., 4,824,012, Cl. 236-49.500.
- United Engineering Corporation: *See—*
  - Hanway, John R., 4,853,856, Cl. 364-424.010.
- United Engineering, Inc.: *See—*
  - Ginzburg, Vladimir B., 4,813,258, Cl. 72-241.000.
  - Kaplan, Naum M., 4,860,564, Cl. 72-19.000.
- United Environmental Technologies: *See—*
  - Sedman, Raymond R., 4,826,594, Cl. 210-266.000.
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  - Maurice, Walter E., 4,851,286, Cl. 428-316.600.
  - Waldner, Charles, 4,840,277, Cl. 206-523.000.
- United Health, Inc.: *See—*
  - Marshall, Steven F.; Haden, Richard E., Jr.; and Johnson, Darrell R., 4,838,158, Cl. 101-105.000.
- United Industries Corporation: *See—*
  - Albanese, James J., 4,826,674, Cl. 424-45.000.
- United Innovations Division of United Engineers, Inc.: *See—*
  - Parent, Christopher A.; and Voss, James R., 4,833,785, Cl. 33-18.100.
- United International, Inc.: *See—*
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  - Bowe, Michael J.; and Wright, Alistair L., 4,887,628, Cl. 137-8.000.
  - Clayton, Colin G., 4,795,903, Cl. 250-301.000.
  - Clayton, Colin G.; and Spackman, Ramon, 4,830,193, Cl. 209-3.100.
  - Clayton, Colin G.; and Spackman, Ramon, 4,876,056, Cl. 376-152.000.
  - Coad, Joseph P.; Rickerby, David S.; and Warrington, Philip, 4,885,069, Cl. 204-192.310.
  - Conroy, Peter J., 4,876,059, Cl. 376-247.000.
  - Durow, Kenneth M., 4,804,093, Cl. 209-691.000.
  - Durow, Kenneth M.; and Kennedy, Stephen T., 4,849,156, Cl. 376-261.000.
  - Flemming, Michael A.; and Plested, Graham N., 4,818,930, Cl. 324-58.50B.
  - Flemming, Michael A.; and Plested, Graham N., 4,829,233, Cl. 324-58.50C.
  - Flemming, Michael A.; and Plested, Graham N., 4,866,370, Cl. 324-518.00C.
  - Ford, James; and Webb, John, 4,889,683, Cl. 376-336.000.
  - Ford, Lionel H.; Oruh, Samuel N.; Singh, Jaswant; and Coldwell, Geoffrey S., 4,817,428, Cl. 73-434.000.
  - Jones, Andrew R., 4,867,788, Cl. 75-230.000.
  - Lonie, Susan J., 4,832,923, Cl. 422-256.000.
  - McKnight, James A.; and Barrett, Leslie M., 4,831,604, Cl. 367-99.000.
  - Parker, John A., 4,829,490, Cl. 367-98.000.
  - Reynolds, William N.; and Milne, James M., 4,826,326, Cl. 374-5.000.
  - Steele, David F., 4,874,485, Cl. 204-130.000.
  - Tippetts, John R.; and Priestman, Geoffrey H., 4,852,613, Cl. 137-805.000.
  - Turner, Andrew D., 4,879,006, Cl. 204-1.500.
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  - Whittaker, Brian, 4,826,626, Cl. 252-408.100.
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  - Pike, Edward R.; and Pusey, Peter N., 4,809,210, Cl. 364-728.030.
- United Kingdom of Great Britain and Northern Ireland, The Minister of Agriculture, Fisheries and Food in her Britannic Majesty's Government of The: *See—*
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- United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britanic Majesty's Government of the: *See—*
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- United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the: *See—*
  - Beard, David R.; Gibson, Peter J.; and Hinchey, Christopher B., 4,854,408, Cl. 180-9.320.
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel J. S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richard M., 4,824,217, Cl. 350-350.500.
  - Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gray, George W.; Lacey, David; Toyne, Kenneth J.; and Young, Daniel J. S., 4,852,977, Cl. 350-350.00S.
  - Crowder, Richard M.; and Whatley, David R., 4,834,443, Cl. 294-106.000.
  - Eidenschink, Rudolf; Krause, Joachim; Andrews, Beatrice M.; Gray, George W.; and Carr, Neil, 4,834,905, Cl. 252-299.610.
  - Eidenschink, Rudolf; Romer, Michael; Weber, Georg; Gray, George W.; and Toyne, Kenneth J., 4,868,341, Cl. 568-664.000.
  - Elliott, Charles T., 4,883,962, Cl. 250-334.000.
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  - Manning, Paul A.; and Watton, Rex, 4,808,822, Cl. 250-332.000.
  - McCanny, John V.; Evans, Richard A.; and McWhirter, John G., 4,833,635, Cl. 364-728.010.
  - McCanny, John V.; Evans, Richard A.; and McWhirter, John G., 4,885,715, Cl. 364-728.010.
  - McVeagh, John S., 4,798,145, Cl. 102-476.000.
  - Millar, Ross W.; Paul, Norman C.; and Richards, David H., 4,820,859, Cl. 558-483.000.
  - Mountain, David S., 4,798,477, Cl. 374-45.000.
  - Mullin, John B.; Hamilton, John C.; Orrell, Elisabeth D.; Jacobs, Philip R.; and Shenai-Khatkhate, Deodattta V., 4,812,586, Cl. 556-129.000.
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  - Elder, James W.; and Parker, Robert A., 4,842,345, Cl. 305-35.00R.
  - Himmens, Ian A., 4,819,626, Cl. 128-201.280.
  - King, David W.; and Gibson, Peter J., 4,825,969, Cl. 180-9.100.
  - Smith, Gilbert W.; Daniel, Mervyn F.; Barton, John W.; and Ratcliffe, Norman M., 4,876,150, Cl. 428-411.100.
- United Kingdom of Great Britain and Northern Ireland, The Secretary of State for the United Kingdom Atomic Energy Authority in Her Britannic Majesty's Government of the: *See—*
  - Stoor, Phillip G. J.; Bentley, Peter G.; and Latham, Francis G., 4,867,168, Cl. 128-653.000.
- United Kingdom of Great Britain and Northern Ireland, The Secretary of State of or Defence in Her Britannic Majesty's Government of The: *See—*
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- United Parcel Service of America, Inc.: *See—*
  - Chandler, Donald G.; Batterman, Eric P.; and Shah, Govind, 4,874,936, Cl. 235-494.000.
- United Pharmaceuticals: *See—*
  - Davis, William M., 4,857,535, Cl. 514-317.000.
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- United Ropeworks (U.S.A.) Inc.: *See—*
  - Pappas, Vincent J., 4,832,442, Cl. 350-96.230.
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  - Borodin, Daniel J., 4,872,923, Cl. 148-11.50R.
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  - Francis, Philip S., Jr.; Harris, Stephen J., and Gosnell, Raymond H., 4,828,132, Cl. 220-6.000.
  - Taylor, William, 4,828,894, Cl. 428-53.000.
- U.S. Creative Concepts: *See—*
  - Vicars, Paul D.; Hendricks, Roy J.; and Goubeaux, Eugene F., Jr., 4,798,556, Cl. 446-391.000.
- United States Department of Energy, The: *See—*
  - Myers, David R., 4,866,498, Cl. 357-30.000.
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- U.S. Divers Company, Inc.: *See—*
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  - Cohen, Jonathan D., 4,818,949, Cl. 324-77.00B.
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- United States Gypsum Company: *See—*
  - Johnstone, Norman E.; Gaynor, John C.; and Erickson, Robert W., 4,801,355, Cl. 162-181.300.
  - Johnstone, Norman E.; and Kehoe, John R., 4,853,085, Cl. 162-128.000.
  - Negri, Robert H.; and Attard, Peter M., 4,820,754, Cl. 524-44.000.
  - Palmer, Jay W.; and Rosenstiel, Terry L., 4,849,193, Cl. 423-308.000.
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  - Bolton, William E.; Holbert, John C.; Ballance, Jeffrey D.; and Records, Robert A., 4,867,213, Cl. 144-357.000.
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- U.S. News Limited Partnership: *See—*
  - Winebaum, Jacob J., 4,817,135, Cl. 379-355.000.
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Kosmo, Joseph J.; Tri, Terry O.; Spenny, William E.; and West, Philip R., 4,887,749, Cl. 223-111.000.
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Jochim, Michael M.; and Jones, Suzanne C., 4,873,189, Cl. 435-68.000.
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Blevins, Creed E., 4,822,834, Cl. 524-427.000.
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Dierksmeier, Douglas D., 4,838,584, Cl. 285-419.000.
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Kolle, Jack J., 4,863,220, Cl. 299-16.000.
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Leonard, John F.; and Beam, Jerry E., 4,885,129, Cl. 419-2.000.
Linsenmayer, Glenn R., 4,860,216, Cl. 364-516.000.
Lissit, Scott A., 4,801,071, Cl. 228-212.000.
Lorenzo, Joseph P.; and Soref, Richard A., 4,877,299, Cl. 350-96.140.
Lorenzo, Joseph P.; and Soref, Richard A., 4,884,112, Cl. 357-17.000.
Mahajan, Yashwant R.; Kim, Young-Won; and Froes, Francis H., 4,851,193, Cl. 420-550.000.
Mahefkey, Edward T., 4,813,476, Cl. 165-32.000.
Makowski, Maciej J.; and Boyd, Frank M., 4,804,330, Cl. 439-76.000.
Matheny, Alfred P.; and Auxier, Thomas A., 4,864,828, Cl. 60-757.000.
Matin, Ethel; and Boff, Kenneth R., 4,845,645, Cl. 364-521.000.
McCoy, Joseph R., 4,874,910, Cl. 174-152.0GM.
McQuillan, Barry W.; and Reynolds, George H., 4,885,120, Cl. 264-60.000.
Mendonca, Jose M., Jr., 4,853,163, Cl. 264-22.000.
Miller, George W.; and Theis, Clarence F., 4,813,979, Cl. 55-25.000.
Miller, George W.; and Theis, Clarence F., 4,880,443, Cl. 55-26.000.
Munechika, Stacy M.; Heimlich, Robert M.; and Stinson, William E., 4,865,450, Cl. 356-349.000.
Nash, Dudley O.; Knight, Glenn L., Jr.; and Bertke, James H., 4,840,026, Cl. 60-271.000.
Neher, Clarence W., 4,807,891, Cl. 277-80.000.
Nix, Lawrence A., Jr., 4,812,718, Cl. 315-382.000.
Oberth, Adolf E.; and Rothenstein, Julius, 4,871,854, Cl. 546-7.000.
Palmer, Miles R., 4,832,931, Cl. 423-406.000.
Paxton, Ronald B., 4,815,313, Cl. 73-35.000.
Peterson, Phillip R.; and Geary, Joseph M., 4,872,135, Cl. 364-822.000.
Peterson, Phillip R.; Gavrielides, Athanasios; and Cardimona, David A., 4,880,996, Cl. 307-425.000.
Plank, Vernon G., 4,815,314, Cl. 73-28.000.
Quinlan, Kenneth P., 4,888,303, Cl. 437-81.000.
Reinhardt, Bruce A.; and Unroe, Marilyn R., 4,871,712, Cl. 562-473.000.
Reinhart, Theodore J., 4,836,858, Cl. 134-1.000.
Reinhart, Theodore J., 4,858,264, Cl. 15-93.00R.
Reinmuller, Donald L., 4,842,045, Cl. 165-41.000.
Repperger, Daniel W.; and Morris, Augustus, Jr., 4,842,607, Cl. 623-24.000.
Reynolds, Hugh M.; and Kawabata, Curt M., 4,807,531, Cl. 102-347.000.
Reynolds, Hugh M.; and Kawabata, Curt M., 4,852,347, Cl. 60-253.000.
Rhodes, Melvin H., 4,803,701, Cl. 375-102.000.
Rhodes, Melvin H., 4,809,301, Cl. 375-87.000.
Shaw, Rudy L.; Tsui, James B. Y.; and Hedge, James N., Jr., 4,860,318, Cl. 375-82.000.
Shelef, Gad, 4,819,496, Cl. 74-479.000.
Shurtliff, Jeffrey L.; and Thomas, Michael E., 4,873,794, Cl. 51-227.00R.
Smith, Leroy H., Jr.; and Wilcox, Donald E., 4,874,289, Cl. 415-150.000.
Smith, Robert J., 4,805,185, Cl. 372-97.000.
Steinmetz, Harold F.; and Wisdom, Gerald H., 4,884,766, Cl. 244-3.270.
Tihanyi, Peter L.; Vollmer, Hubert J.; Mott, Jeffrey S.; and Sovak, Maryanne, 4,817,854, Cl. 228-124.000.
Tsai, Tsu-Tzu; and Arnold, Fred E., 4,835,246, Cl. 528-337.000.
Van Patten, Robert E., 4,821,982, Cl. 244-76.00R.
Veldkamp, Wilfrid B.; and Swanson, Gary J., 4,846,552, Cl. 350-162.200.
Voss, Donald E.; Miner, Lynn M.; and Busby, Kenneth O., 4,825,149, Cl. 324-72.000.
Walker, Alan, 4,883,405, Cl. 415-137.000.
Wallentine, Patricia J.; Baciak, Mark G.; Carreras, Richard A.; Coates, Elinor L.; and Haralson, David G., 4,831,246, Cl. 250-20.00J.
Walter, Martin J., 4,841,150, Cl. 250-339.000.
Won, Vann Yuen, 4,854,190, Cl. 74-695.000.
Yamamoto, Tsutomu, 4,796,838, Cl. 244-135.00A.
Yang, Andrew C.; Lorenzo, Joseph P.; and Soref, Richard A., 4,857,973, Cl. 357-15.000.
Zimmerman, Anthony M., 4,800,718, Cl. 60-264.000.

America: *See*—
Cabanos, Phil A.; Gonzaga, Rafael T.; and Rado, Gordon E., 4,850,570, Cl. 254-337.000.
Cabanos, Phil A., 4,850,571, Cl. 254-392.000.
Cabanos, Phil A.; and Rado, Gordon E., 4,867,419, Cl. 254-399.000.
Darrah, Shirley D.; DiGiusseppe, Thomas G.; Marram, Edward P.; Kamin, Richard A.; Nowack, Clarence; and Steendal, Rolf, 4,842,410, Cl. 356-357.000.
Hergenrother, Paul M.; and Havens, Stephen J., 4,820,791, Cl. 528-125.000.
Lipham, Luke B.; Stuedemann, John A.; and Thompson, Frederick N., Jr., 4,880,632, Cl. 424-425.000.
Robbins, William L., 4,864,465, Cl. 361-321.000.
Schultz, Donald F., 4,819,438, Cl. 60-730.000.
Straw, Gregory M., 4,808,630, Cl. 514-317.000.
Tam, Steve; Weigele, Manfred; Broger, Samuel; and Mitsuya, Hiroaki, 4,837,311, Cl. 536-22.000.

America Environmental Protection Agency: *See*—
Kirchgessner, David A.; and Lorrain, Jeffrey M., 4,882,309, Cl. 502-401.000.

Army: *See*—
Aardema, James A., 4,832,321, Cl. 267-287.000.
Adachi, Iwao P., 4,846,944, Cl. 204-129.200.
Algor, Marshall M., 4,873,499, Cl. 331-117.00R.
Alving, Carl R.; and Swartz, Glenn M., Jr., 4,885,256, Cl. 436-518.000.
Arents, Donald N., 4,859,026, Cl. 350-96.250.
Au Coin, Thomas R.; Braddock, Walter D., IV; and Iafrate, Gerald J., 4,883,769, Cl. 437-110.000.
Bailato, Arthur, 4,836,882, Cl. 156-626.000.
Ballato, Arthur, 4,871,986, Cl. 331-158.000.
Bennett, Stephen H., 4,879,154, Cl. 428-81.000.
Berry, Mark D.; Tan, Robert J.; and Garver, Robert V., 4,875,022, Cl. 333-20.000.
Berry, Mark D.; Brisker, Henry C.; and Cuneo, Andrew A., Jr., 4,888,546, Cl. 324-64.000.
Binder, Michael; Walker, Charles W., Jr.; Mammone, Robert J.; Wade, William L., Jr.; and Gilman, Sol, 4,816,080, Cl. 134-10.000.
Binder, Michael; and Walker, Charles W., Jr., 4,842,967, Cl. 429-101.000.
Birk, Aviezer, 4,838,142, Cl. 89-7.000.
Bly, Vincent T.; Bradford, Alan P.; and Cox, J. Thomas, 4,849,070, Cl. 156-643.000.
Boyd, Phillip R., 4,875,004, Cl. 324-158.00D.
Bramley, Jenny, 4,821,321, Cl. 380-54.000.
Bramley, Jenny, 4,876,692, Cl. 372-70.000.
Branovich, Louis E.; Freeman, Gerard L.; and Smith, Bernard, 4,808,137, Cl. 445-50.000.
Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,818,480, Cl. 419-27.000.
Branovich, Louis E.; Freeman, Gerard L.; Smith, Bernard; and Eckart, Donald W., 4,840,767, Cl. 419-27.000.
Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,863,410, Cl. 445-50.000.
Branovich, Louis E.; Smith, Bernard; Freeman, Gerard L.; and Eckart, Donald W., 4,872,864, Cl. 445-50.000.
Burch, William E., 4,854,396, Cl. 175-18.000.
Buser, Rudolph G.; and Trussell, C. Ward, 4,848,894, Cl. 351-162.000.
Campagnuolo, Carl J.; and Fine, Jonathan E., 4,852,496, Cl. 102-322.000.
Canfield, Craig J.; Heiffer, Melvin H.; and Korte, Don W., Jr., 4,808,598, Cl. 514-312.000.
Carnell, Brian L.; Fansler, John D.; and Pramanik, Mukunda B., 4,887,782, Cl. 244-234.000.
Chandra, Suresh; and Paul, Jeffrey L., 4,837,769, Cl. 372-41.000.
Choudhry, Muhammad Y., 4,805,468, Cl. 73-864.710.
Collins, James M.; and Clark, Robert E., 4,830,439, Cl. 305-11.000.
Conway, Thomas G., 4,884,896, Cl. 374-9.000.
Conway, Wallace R., 4,800,715, Cl. 60-39.500.

Croley, Henry C.; and Antesberger, A. Wayne, 4,862,164, Cl. 340-952.000.
DeSantis, Charles M.; and Jasper, Louis J., Jr., 4,829,261, Cl. 330-4.000.
Dixon, Samuel, Jr.; AuCoin, Thomas R.; and Ross, Raymond L., 4,864,645, Cl. 455-327.000.
Dixon, Samuel, Jr., 4,878,253, Cl. 455-327.000.
Emeric, Dario A.; Miller, Christopher E.; Westich, Bryan; and Whiting, Lisa R., 4,880,478, Cl. 148-248.000.
Epstein, Joseph; Parsons, John A.; and Block, Frank, 4,840,911, Cl. 436-8.000.
Faller, James G., 4,817,435, Cl. 73-700.000.
F'Geppert, Erwin, 4,805,489, Cl. 74-793.000.
Foster, Donald L., 4,812,375, Cl. 429-101.000.
Fox, Jay A.; and Ahl, Jeffrey L., 4,868,834, Cl. 372-20.000.
Franzen, Jochen; Gabling, Reemt-Holger; Heinen, Gerhard; and Weiss, Gerhard, 4,882,484, Cl. 250-282.000.
Garver, Robert V.; and Tan, Robert J., 4,864,258, Cl. 333-20.000.
Gelernter, Boaz; and Joe, Dick M., 4,811,023, Cl. 343-703.000.
Gilbert, Everett E., 4,839,420, Cl. 525-61.000.
Gilbert, Everett E., 4,843,121, Cl. 525-56.000.
Gilbert, Everett E., 4,849,514, Cl. 536-36.000.
Gittleman, Jonathan I.; and Bozowski, Stanley, 4,859,939, Cl. 324-158.00R.
Glendinning, William B., 4,797,334, Cl. 430-5.000.
Glendinning, William B., 4,816,361, Cl. 430-5.000.
Gold, Kenneth; and Brodman, Bruce W., 4,814,439, Cl. 536-30.000.
Goodman, Henry J.; Walker, Evan H.; and Bell, Emmett L., 4,881,400, Cl. 73-35.000.
Grace, Fred I., 4,841,864, Cl. 102-307.000.
Graham, Gregory S., 4,838,500, Cl. 242-158.00R.
Grinwald, Israel M., 4,813,698, Cl. 280-460.100.
Grudkowski, Thomas W., 4,860,017, Cl. 342-201.000.
Hartman, Richard L., 4,818,104, Cl. 356-138.000.
Hartman, Richard L., 4,869,574, Cl. 350-162.130.
Heydrich, Hans, 4,796,572, Cl. 123-41.420.
Hillstrom, Warren W., 4,861,397, Cl. 149-19.400.
Hoffman, Steven L.; and Rammage, Robert L., 4,797,623, Cl. 324-556.000.
Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., 4,881,411, Cl. 73-856.000.
Holderfield, Daron C.; Martin, Bernard E.; and Russell, Samuel S., 4,884,027, Cl. 324-158.00F.
Holtzapple, Mark T.; and Ernst, Donald M., 4,825,661, Cl. 62-225.000.
Iafrate, Gerald J.; Poli, Louis C.; Aucoin, Thomas; and Heath, Linda S., 4,821,093, Cl. 357-22.000.
Jackson, Raymond P., 4,841,868, Cl. 102-517.000.
Jaeger, John J., 4,830,051, Cl. 137-625.210.
Jarvis, Louis P.; Brundage, Michael T.; and Atwater, Terrill B., 4,869,980, Cl. 429-202.000.
Jasper, Jr. Louis J., 4,833,965, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,813,332, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,831,913, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,840,106, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,854,215, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,858,511, Cl. 89-8.000.
Jasper, Louis J., Jr., 4,858,512, Cl. 89-8.000.
Johnson, John L., 4,804,250, Cl. 350-162.120.
Kaste, Robert P.; and Tompkins, Robert E., 4,845,995, Cl. 73-794.000.
Kingery, Charles N.; and Sullivan, John D., Jr., 4,815,385, Cl. 102-320.000.
Klimek, Joseph P., 4,813,124, Cl. 29-607.000.
Kornfeld, Gertrude H., 4,873,657, Cl. 364-578.000.
Kronenberg, Stanley, 4,859,853, Cl. 250-370.070.
LaPensee, Kenneth R., 4,884,032, Cl. 324-504.000.
Lee, John N., 4,804,844, Cl. 250-338.300.
Leupold, Herbert A., 4,810,986, Cl. 335-301.000.
Leupold, Herbert A.; and Tauber, Arthur, 4,829,276, Cl. 335-306.000.
Leupold, Herbert A.; and Potenziani, Ernest, II, 4,831,351, Cl. 335-306.000.
Leupold, Herbert A., 4,835,137, Cl. 505-1.000.
Leupold, Herbert A., 4,835,506, Cl. 335-306.000.
Leupold, Herbert A., 4,837,542, Cl. 335-306.000.
Leupold, Herbert A., 4,839,059, Cl. 210-335.000.
Leupold, Herbert A., 4,859,973, Cl. 335-216.000.
Leupold, Herbert A., 4,859,976, Cl. 335-306.000.
Leupold, Herbert A., 4,861,752, Cl. 505-1.000.
Leupold, Herbert A., 4,862,126, Cl. 335-216.000.
Leupold, Herbert A., 4,862,128, Cl. 335-306.000.
Leupold, Herbert A., 4,887,058, Cl. 335-216.000.
Malinowski, Gregory J.; and Schodowski, Stanley S., 4,859,969, Cl. 331-43.000.
Manion, Francis M., 4,867,041, Cl. 91-3.000.
Mariani, Elio A., 4,801,836, Cl. 310-313.00D.
Masadi, Rizalah, 4,868,940, Cl. 5-417.000.
Matuska, David G.; and Ferris, Donald L., 4,874,292, Cl. 416-140.000.
Melvin, William S.; and Graham, James F., 4,854,982, Cl. 149-109.600.
Mezger, Mark; Strauss, Bernard; Moy, Sam M.; and Prezelski, Joseph L., 4,842,659, Cl. 149-19.200.
Mikhail, Ameer G., 4,796,534, Cl. 102-374.000.
Mikhail, Ameer G., 4,878,432, Cl. 102-309.000.
Mishra, Indu B.; and Vande Kieft, Lawrence J., 4,875,949, Cl. 149-19.300.
Nettleton, John E.; and Barr, Dallas N., 4,807,839, Cl. 248-476.000.
Newhall, Donald H.; Bullock, Charles D.; and Pilcher, James O., 4,798,094, Cl. 73-862.580.
Paolella, Arthur; and Herczfeld, Peter R., 4,859,965, Cl. 330-285.000.
Paolella, Arthur, 4,861,426, Cl. 156-644.000.
Patrick, E. Vincent, 4,849,000, Cl. 65-4.300.
Patrick, E. Vincent, 4,886,537, Cl. 65-4.300.
Peck, Carl C., 4,819,645, Cl. 128-632.000.
Phillippi, R. Michael; and Manion, Francis M., 4,856,338, Cl. 73-701.000.
Phillips, Welton E., 4,850,229, Cl. 73-756.000.
Plichta, Edward J.; and Salomon, Mark, 4,818,647, C 429-218.000.
Pohlmann, Juergen L. W.; Honey, Richard C.; and Guagliard John L., 4,890,075, Cl. 330-4.300.
Robinson, William L., 4,877,752, Cl. 437-51.000.
Rosty, Roberta; and Levi, David W., 4,835,016, Cl. 427-307.00
Russell, Stephen D., 4,860,303, Cl. 372-72.000.
Russell, Stephen D., 4,875,219, Cl. 372-92.000.
Sayles, David C., 4,812,179, Cl. 149-19.200.
Sayles, David C., 4,812,180, Cl. 149-19.500.
Sayles, David C., 4,881,464, Cl. 102-336.000.
Schodowski, Stanley S., 4,872,765, Cl. 374-117.000.
Schriver, John G.; Riffel, William L.; Scheible, John D.; a George, Alan E., 4,864,654, Cl. 2-84.000.
Schwartzman, Alvin, 4,882,993, Cl. 102-218.000.
Scully, Andrew J., 4,796,336, Cl. 24-68.0CD.
Sennett, Michael S., 4,867,957, Cl. 423-300.000.
Sharp, Edward J.; Shurtz, Richard R., II; Elser, Wolfgang; a Wood, Gary L., 4,819,239, Cl. 372-12.000.
Skerchock, Peter; Honablew, Lawrence; Caldrelli, Anton Cooper, LeRoy D.; Wiseman, Jerry W.; and Brothert Robert L., 4,813,331, Cl. 86-20.120.
Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; a Cooper, LeRoy D., 4,817,685, Cl. 141-11.000.
Smith, Roger, 4,885,950, Cl. 74-409.000.
Smith, Roger R., 4,813,506, Cl. 180-6.440.
Smith, Russell K.; Zamejc, Edward R.; and Miller, James F. 4,849,201, Cl. 423-474.000.
Soileau, Marion J., Jr.; and Van Stryland, Eric W., 4,846,561, C 350-354.000.
Spielvogel, Bernard F.; McPhail, Andrew T.; and Hall, Ira H. 4,855,493, Cl. 562-575.000.
Srour, Joseph R.; and Othmer, Siegfried, 4,866,669, C 365-176.000.
Stern, Richard A.; and Babbitt, Richard W., 4,806,886, C 333-24.200.
Stern, Richard A.; and Babbitt, Richard W., 4,816,787, C 333-158.000.
Stern, Richard A.; and Babbitt, Richard W., 4,839,659, Cl. 34 700.0MS.
Stern, Richard A.; and Leupold, Herbert A., 4,843,357, C 333-258.000.
Stern, Richard A.; and Babbitt, Richard W., 4,845,449, C 333-258.000.
Stern, Richard A.; and Babbitt, Richard W., 4,862,117, C 333-1.100.
Stern, Richard A.; and Babbitt, Richard W., 4,879,562, Cl. 34 700.0MS.
Stern, Richard A.; and Babbitt, Richard W., 4,881,052, C 333-24.100.
Stern, Richard A.; and Babbitt, Richard W., 4,887,054, C 333-158.000.
Tanton, George A.; and Grisham, John A., 4,818,881, C 250-338.100.
Tillery, John T., 4,875,200, Cl. 368-67.000.
Touchet, Paul; Rodriguez, Gumersindo; Garza, Paul E.; Butl Daniel P.; Crawford, Dawn; Teets, Alan R.; Feuer, Hank O.; and Flanagan, David P., 4,843,114, Cl. 524-87.000.
Trescott, Patrick J., 4,832,451, Cl. 350-321.000.
Walker, Evan H.; and Gibbons, Gould, 4,850,260, Cl. 89-34.00
Wassef, Nabila M.; and Alving, Carl R., 4,863,874, Cl. 436-501.000.
Webster, Steve L., 4,797,026, Cl. 404-28.000.
Wilkinson, Edward L.; and Sayles, David C., 4,819,675, Cl. 132-321.000.
Wortman, Donald E.; Dropkin, Herbert; and Leavitt, Richard P. 4,829,527, Cl. 372-2.000.
Wright, D. Craig, 4,824,666, Cl. 424-88.000.
Zajicek, Gayle T., 4,822,281, Cl. 434-29.000.

as represented by Administrator Environmental Protection Agency: *See—*
Mosley, Ronald B.; Sparks, Leslie E.; and Plaks, Norman 4,822,381, Cl. 55-2.000.

United States of America as represented by the Secretary of the Navy The: *See—*
Hoover, Mervyn C.; and Schmitt, Michael L., 4,885,586, Cl. 342-13.000.

Commerce: *See—*
Hogg, David C., 4,866,457, Cl. 343-781.0CA.

Lashmore, David S.; Weisshaus, Ilan; and NamGoong, Eok, 4,804,446, Cl. 204-51.000.
Nishiyama, Randall T.; and Bedard, Alfred J., Jr., 4,838,087, Cl. 73-700.000.
Slocum, Alexander H.; and Peris, James P., 4,838,145, Cl. 91-536.000.
Wells, J. Morgan, 4,860,803, Cl. 141-9.000.

Communications: *See—*
Wu, Chia-Hsien; Chuang, Show-Zone; Chien, Wei-Shyan; and Feng, Teng-Chih, 4,864,726, Cl. 30-90.100.

Energy: *See—*
Abbin, Joseph P.; Andraka, Charles E.; Lukens, Laurance L.; and Moreno, James B., 4,868,072, Cl. 429-11.000.
Abbott, Michael L.; and Lewis, Donald R., 4,828,691, Cl. 210-87.000.
Abbott, Steven R., 4,885,470, Cl. 250-396.00R.
Ackerman, John P.; and Miller, William E., 4,880,506, Cl. 204-1.500.
Aldissi, Mahmoud, 4,880,508, Cl. 204-59.00R.
Allen, Charles R.; Greenhalgh, Wilbur O.; and Cowan, Richard G., 4,851,156, Cl. 252-629.000.
Alvarez, Joseph L.; and Watson, Lloyd D., 4,806,150, Cl. 75-0.50C.
Anderson, Thomas T.; Roop, Conard J.; Schmidt, Kenneth J.; and Gunchin, Elmer R., 4,829,828, Cl. 73-728.000.
Andrews, Katherine M.; and Starenchak, Robert W., 4,886,401, Cl. 406-182.000.
Angel, S. Michael, 4,834,497, Cl. 350-96.290.
Annala, Wayne C., 4,800,540, Cl. 367-87.000.
Appleton, Bill R.; Ashley, Paul R.; and Buchal, Christopher J., 4,840,816, Cl. 427-38.000.
Arnold, Charles, Jr.; Aubert, James H.; Clough, Roger L.; Rand, Peter B.; and Sylwester, Alan P., 4,832,881, Cl. 264-29.700.
Ashby, Carol I. H.; Brannon, Paul J.; and Gerardo, James B., 4,838,989, Cl. 156-628.000.
Ashby, Carol I. H.; Myers, David R.; and Vook, Frederick L., 4,880,493, Cl. 156-628.000.
Atac, Muzaffer, 4,857,740, Cl. 250-374.000.
Austin, Frank S.; and Hance, Albert B., 4,864,652, Cl. 455-617.000.
Balmer, David K.; and Tyree, William H., 4,820,925, Cl. 250-379.000.
Bamberger, Carlos E., 4,883,559, Cl. 156-603.000.
Berkey, Dale P., 4,886,598, Cl. 210-263.000.
Barna, Basil A., 4,823,601, Cl. 73-594.000.
Barney, David M., 4,838,098, Cl. 73-19.000.
Barrus, Donald M.; Shires, Charles D.; and Brummond, William A., 4,880,596, Cl. 376-336.000.
Baumbaugh, Alan E.; and Knickerbocker, Kelly L., 4,809,232, Cl. 365-221.000.
Becker, Frederick E.; and Smolensky, Leo A., 4,881,476, Cl. 110-347.000.
Becker, Gregory K.; and Martz, Dowell E., 4,888,485, Cl. 250-370.060.
Bench, Thomas R.; and McCann, Larry D., 4,882,071, Cl. 210-747.000.
Bickes, Robert W., Jr.; Marbach, Kevin D.; and Wilcox, Paul D., 4,843,964, Cl. 102-202.500.
Boatner, Lynn A.; and Sales, Brian C., 4,847,008, Cl. 252-629.000.
Boberg, Ralph E.; Lee, Ronald S.; and Weingart, Richard C., 4,852,493, Cl. 102-202.500.
Bonivert, William D.; Farmer, Joseph C.; and Hachman, John T., 4,812,210, Cl. 204-1.00T.
Bordenick, John E., 4,814,058, Cl. 204-401.000.
Boultinghouse, Karlan D.; Schoeneman, J. Lee; and Tise, Bertice L., 4,796,198, Cl. 364-513.000.
Bourne, Roy S.; Eichman, Clarence C.; and Welbon, William W., 4,872,905, Cl. 75-0.50C.
Boyar, Robert E.; DeVolpi, Alexander; Stanford, George S.; and Rhodes, Edgar A., 4,829,191, Cl. 250-496.100.
Bramlette, T. Tazwell; and Keller, Jay O., 4,805,318, Cl. 34-57.00A.
Brian, Riley; and Szreders, Bernard E., 4,831,965, Cl. 118-725.000.
Brucker, John P., 4,886,993, Cl. 313-231.510.
Bunker, Bruce C.; Lamppa, Diana L.; and Voigt, James A., 4,839,339, Cl. 505-1.000.
Butler, Michael A.; and Ginley, David S., 4,841,778, Cl. 73-800.000.
Buttram, Malcolm T.; and Ginn, Jerry W., 4,888,556, Cl. 328-233.000.
Campbell, Edward M.; and Rosen, Mordecai D., 4,827,479, Cl. 372-5.000.
Carlson, Larry W.; and Herman, Harold, 4,838,035, Cl. 62-55.500.
Carroll, Radford M., 4,795,884, Cl. 219-497.000.
Cathcart, John V.; and Liu, Chain T., 4,839,140, Cl. 420-445.000.
Ceglio, Natale M.; Stearns, Daniel S.; Hawryluk, Andrew M.; and Barbee, Troy W., Jr., 4,870,648, Cl. 372-5.000.
Chaffin, Roger J., deceased; Dawson, Ralph; Fritz, Ian J.; Osbourn, Gordon C., and Zipperian, Thomas E., 4,797,716, Cl. 357-22.000.
Chang, Hsi-Tien, 4,814,768, Cl. 342-22.000.
Chang, Shih-Ger; Liu, David K.; Griffiths, Elizabeth A.; and Littlejohn, David, 4,837,361, Cl. 562-556.000.
Chow, Tze-Show, 4,848,922, Cl. 374-31.000.
Christiansen, David W.; and Karnesky, Richard A., 4,818,479, Cl. 376-442.000.
Clough, Roger L.; and Sylwester, Alan P., 4,832,870, Cl. 252-511.000.
Converse, Alvin O.; Grethlein, Hans E.; and Holland, Joseph E., 4,818,295, Cl. 127-1.000.
Cooke, D. Wayne; and Jahan, Muhammad S., 4,873,444, Cl. 250-337.000.
Cooper, James A., 4,841,570, Cl. 380-30.000.
Corey, John C.; Looney, Brian B.; and Kaback, Dawn S., 4,832,122, Cl. 166-266.000.
Corsberg, Daniel R., 4,812,819, Cl. 340-517.000.
Cowan, Maynard, 4,817,494, Cl. 89-8.000.
Cutburth, Ronald W., 4,811,619, Cl. 74-424.80B.
Day, Robert A., 4,888,861, Cl. 29-25.350.
Deason, Vance A.; and Ward, Michael B., 4,850,693, Cl. 356-35.500.
Dejonghe, Lutgard C.; Visco, Steven J.; Mailhe, Catherine C.; and Armand, Michel B., 4,833,048, Cl. 429-104.000.
Demas, James N.; Jones, Wesley M.; and Keller, Richard A., 4,845,368, Cl. 250-459.100.
Doherty, Joseph P.; and Marek, James C., 4,840,765, Cl. 376-310.000.
Doncals, Richard A.; Paik, Nam-Chin; Andre, Sandra V.; Porter, Charles A.; Rathbun, Roy W.; Schwallie, Ambrose L.; and Petras, Diane S., 4,851,182, Cl. 376-267.000.
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Drummond, Timothy J.; Ginley, David S.; and Zipperian, Thomas E., 4,829,020, Cl. 437-81.000.
Duncan, Charles S.; and Piotrowski, Paul A., 4,828,808, Cl. 422-249.000.
Duran, Edward L.; and Lundin, Ralph L., 4,828,052, Cl. 175-55.000.
Early, James T.; and Hargrove, R. Steven, 4,886,776, Cl. 505-1.000.
Fink, Joel H., 4,798,952, Cl. 250-251.000.
Fliermans, Carl B., 4,877,736, Cl. 435-183.000.
Gallix, Remy, 4,816,205, Cl. 376-136.000.
George, Michael; Pierson, Lyndon G.; and Wilkins, Mark E., 4,841,550, Cl. 375-118.000.
Gibson, George H.; Smits, Robert G.; and Eberhard, Philippe H., 4,864,236, Cl. 324-238.000.
Ginell, William S., 4,824,276, Cl. 403-213.000.
Golden, Martin P., 4,842,774, Cl. 252-633.000.
Goldsberry, Fred L., 4,824,447, Cl. 55-158.000.
Goodman, Mark M.; and Knapp, Furn F., Jr., 4,826,966, Cl. 536-18.400.
Granata, Samuel J., Jr.; and Woodle, Boyd M., 4,853,301, Cl. 429-39.000.
Gray, Kenneth E., 4,873,482, Cl. 324-71.400.
Grindley, Thomas, 4,832,704, Cl. 48-197.00R.
Gross, Kenny C., 4,803,040, Cl. 376-216.000.
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Hammond, Robert B.; and Bowman, Douglas R., 4,821,091, Cl. 357-30.000.
Hampel, Viktor E., 4,851,183, Cl. 376-274.000.
Hardee, Harry C.; Hills, Richard G.; and Striker, Richard P., 4,805,727, Cl. 181-106.000.
Harrison, Thomas R., 4,859,054, Cl. 356-5.000.
Harry, Herbert H., 4,841,621, Cl. 29-464.000.
Hettrick, Michael C., 4,798,446, Cl. 350-162.230.
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Holcombe, Cressie E.; Dykes, Norman L.; and Meek, Thomas T., 4,880,578, Cl. 264-26.000.
Honig, Emanuel M., 4,885,974, Cl. 89-8.000.
Hopper, Robert W.; and Pekala, Richard W., 4,806,290, Cl. 264-28.000.
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Hull, Donald E.; and Bieniewski, Thomas M., 4,795,879, Cl. 219-121.590.
Hull, John R., 4,846,255, Cl. 164-502.000.
Humphreys, D. Russell, 4,808,368, Cl. 376-118.000.
Hwang, David L.; and Hosea, Joel C., 4,858,817, Cl. 228-122.000.
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Kazmerski, Lawrence L., 4,874,946, Cl. 250-309.000.
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Khan, M. Rashid, 4,886,521, Cl. 44-607.000.
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Mattus, Alfred J.; and Spence, Roger D., 4,828,761, Cl. 252-628.000.
Maya, Leon, 4,833,034, Cl. 428-408.000.
Mayberry, John L., 4,867,866, Cl. 209-30.000.
Maziasz, Philip J.; Braski, David N.; and Rowcliffe, Arthur F., 4,818,485, Cl. 420-57.000.
Maziasz, Philip J.; Swindeman, Robert W.; and Goodwin, Gene M., 4,849,169, Cl. 420-584.000.
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McPherson, Daniel W.; Fowler, Joanna S.; and Wolf, Alfred P., 4,874,600, Cl. 424-1.100.
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Meyer, Kerry L.; and Topolewski, John, 4,833,404, Cl. 324-158.00P.
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Miller, Steven S., 4,840,931, Cl. 502-162.000.
Miller, William E., 4,855,030, Cl. 204-212.000.
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Napier, John M.; Hancher, Charles M.; and Hackett, Gail D., 4,814,091, Cl. 210-665.000.
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Paulikas, Arvydas P., 4,799,249, Cl. 378-125.000.
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Pekala, Richard W., 4,873,218, Cl. 502-418.000.
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Ross, Philip N., Jr., 4,842,963, Cl. 429-21.000.
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Salzman, Gary C.; Gregg, Charles T.; Grace, W. Kevin; and Hiebert, Richard D., 4,884,886, Cl. 356-367.000.
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Sheinberg, Haskell; Meek, Thomas T.; and Blake, Rodger D., 4,857,266, Cl. 419-22.000.
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Smartt, Herschel B.; Einerson, Carolyn J.; and Watkins, Arthur D., 4,825,038, Cl. 219-137.0PS.
Smith, Barbara F.; Jarvinen, Gordon D.; and Ryan, Robert R., 4,867,951, Cl. 423-9.000.
Srivastava, Prem C., 4,812,577, Cl. 548-404.000.
Stampfer, Martha R., 4,808,532, Cl. 435-240.200.
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Woodward, Jonathan, 4,840,904, Cl. 435-165.000.
Wordin, John J., 4,878,652, Cl. 251-181.000.
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Wright, Maynard K., 4,855,194, Cl. 429-38.000.
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Wyeth, Richard W.; Johnson, Michael A.; and Globig, Michae A., 4,798,467, Cl. 356-349.000.
Wyeth, Richard W.; Paisner, Jeffrey A.; and Story, Thoma 4,817,101, Cl. 372-32.000.
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Yonco, Robert M.; and Nagy, Zoltan, 4,818,366, Cl. 204-408.0
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Zaromb, Solomon; and Stetter, Joseph R., 4,888,295, C 436-161.000.
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Good, Michael A.; Berzofsky, Jay; and Miller, Louis H. 4,886,782, Cl. 514-12.000.
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Harrington, Frank S.; and Manyak, Michael J., 4,867,404, C 248-231.400.
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Spiegel, Allen M., 4,870,161, Cl. 530-326.000.
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Groetsch, John G., Jr.; Elkins, Timothy H., Jr.; and Sorrell, Charles A., 4,847,047, Cl. 420-552.000.
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Alton, Charles S.; and O'Kane, James H., 4,842,223, Cl. 244-158.00R.
Alston, William B.; and Gratz, Roy F., 4,845,167, Cl. 528-353.000.
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Bickler, Donald B., 4,840,394, Cl. 280-677.000.
Blackburn, Linda B.; and Starke, Edgar A., Jr., 4,820,488, Cl. 420-529.000.
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Bradley, James G.; Conley, Joseph M.; and Wittry, David B., 4,847,502, Cl. 250-396.0ML.
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Carter, Daniel C., 4,833,233, Cl. 530-363.000.
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Chang-Diaz, Franklin R., 4,832,951, Cl. 424-95.000.
Chang, Franklin R., 4,815,279, Cl. 60-202.000.
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Chutjian, Ara, 4,818,868, Cl. 250-252.000.
Cohen, Marc M.; Kaplicky, Jan; and Nixon, David A., 4,836,114, Cl. 108-77.000.
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Collins, Earl R., Jr.; Suitor, Jerry W.; and Dubis, David, 4,860,669, Cl. 110-165.00R.
Companion, John A.; Heyman, Joseph S.; Mineo, Beth A.; Cavalier, Albert R.; and Blalock, Travis N., 4,852,578, Cl. 128-661.030.
Diner, Daniel B., 4,819,064, Cl. 358-88.000.
Dominek, Allen K.; Gilreath, Melvin C.; and Wood, Richard M., 4,809,003, Cl. 342-165.000.
Dugan, Regina E., 4,846,854, Cl. 55-46.000.
Dyer, Gerald E., 4,839,489, Cl. 219-74.000.
Elleman, Daniel D.; Allen, James L.; and Lee, Mark C., 4,840,496, Cl. 374-124.000.
Fletcher, James C.; and Ross, Walter L., 4,849,903, Cl. 364-482.000.
Friedman, Morton L., 4,888,595, Cl. 342-457.000.
Gallimore, Frank H., 4,851,071, Cl. 156-344.000.
Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.
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Graves, Thomas J.; Yang, Robert A.; and Brown, Christopher W., 4,836,081, Cl. 89-1.140.
Greenhall, Charles A., 4,843,328, Cl. 324-78.00Z.
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Irvin, Timothy B.; and French, Richard E., 4,798,433, Cl. 350-96.210.
Johnston, David F., 4,860,149, Cl. 361-79.000.
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Jones, Jack A.; Petrick, S. Walter; and Britcliffe, Michael J., 4,835,973, Cl. 62-6.000.
Jones, Jack A.; Wen, Liang-Chi; and Bard, Steven, 4,875,346, Cl. 62-467.000.
Kleinberg, Leonard L., 4,862,114, Cl. 331-158.000.
Kobayashi, Herbert S.; Lichtenberg, Christopher L.; Shores, Paul W.; and Cunningham, Allen R., 4,818,999, Cl. 342-59.000.
Kosmahl, Henry G., 4,890,036, Cl. 315-3.500.
Lange, Gregory A.; McManamen, John P.; and Schliesing, John A., 4,858,857, Cl. 244-161.000.
Lee, Sheng Y., 4,843,123, Cl. 521-178.000.
Lehoczky, Sandor L.; and Szofran, Frank R., 4,863,553, Cl. 156-616.410.
Madan, Herb S.; and Chow, Edward, 4,868,818, Cl. 371-11.300.
Mann, Franklin D., 4,809,441, Cl. 33-536.000.
Martin, James A., 4,831,818, Cl. 60-204.000.
Martin, James A., 4,884,770, Cl. 244-158.00R.
McLyman, Colonel W. T., 4,823,074, Cl. 324-117.00R.
McStravick, M. Catherine; Proctor, David R.; and Wood, Scott J., 4,817,633, Cl. 128-782.000.
Meinel, Aden B.; Meinel, Marjorie P.; and Stacy, John E., 4,836,666, Cl. 350-504.000.
Middleton, David B.; Srivatsan, Raghavachari; and Person, Lee H., 4,843,554, Cl. 364-427.000.
Mikroyannidis, John A.; and Kourtides, Demetrius A., 4,864,050, Cl. 558-190.000.
Mikroyannidis, John A.; and Kourtides, Demetrius A., 4,886,896, Cl. 558-193.000.
Miller, Christopher R., 4,865,270, Cl. 244-118.500.
Morales, Sergio; and Friedman, Gary L., 4,847,837, Cl. 371-8.000.
Morgan, Gene E.; and Dyer, Gerald E., 4,879,446, Cl. 219-75.000.
Morrison, Andrew D., 4,824,520, Cl. 156-620.100.
Myers, W. Neill, 4,836,707, Cl. 403-322.000.
Ottenbrite, Raphael M., 4,851,544, Cl. 548-524.000.
Outlaw, Ronald A., 4,828,817, Cl. 423-579.000.
Owen, James W.; and Dean, William G., 4,821,914, Cl. 220-421.000.
Patterson, James C., Jr., 4,867,394, Cl. 244-54.000.
Redmon, John W., Jr.; and Jankowski, Fred, 4,821,610, Cl. 81-322.000.
Riccitiello, Salvatore R.; Hsu, Ming-Ta S.; and Chen, Timothy S., 4,851,491, Cl. 528-4.000.
Robinson, Robert L.; Graves, Thomas J.; and Hoffman, William C., III, 4,829,235, Cl. 324-64.000.
St. Clair, Terry L.; Burks, Harold D.; and Progar, Donald J., 4,837,300, Cl. 528-353.000.
Schliesing, John A.; and Edenborough, Kevin L., 4,860,975, Cl. 244-161.000.
Scott, Carl D.; Nagy, Kornel; Roberts, Barney B.; Ried, Robert C.; Kroll, Kenneth R.; and Gamble, Joe, 4,817,895, Cl. 244-138.00R.
Seidenberg, Benjamin; and Swanson, Theodore D., 4,883,116, Cl. 165-104.260.
Shores, Paul W.; Griffin, John W.; and Kobayashi, Herbert S., 4,860,014, Cl. 342-105.000.
Smith, William C., 4,885,543, Cl. 324-452.000.
Stack, John P.; and Mangalam, Sivaramakrishnan M., 4,848,151, Cl. 73-432.100.
Stallings Jr., Robert L.; and Wilcox, Floyd J., Jr., 4,863,118, Cl. 244-130.000.
Stoakley, Diane M.; St. Clair, Anne K.; and Little, Bruce D., 4,864,865, Cl. 73-831.000.
Tanzer, Herbert J., 4,830,097, Cl. 165-41.000.
Tcheng, Ping; and Supplee, Frank H., Jr., 4,836,035, Cl. 73-862.610.
Thornton, William E., Jr.; and Whitmore, Henry B., 4,870,709, Cl. 4-482.000.
Trinh, Eugene H.; and Robey, Judith L., 4,858,717, Cl. 181-0.500.
Truong, Trieu-Kie; Hsu, In-Shek; and Reed, Irving S., 4,845,728, Cl. 377-123.000.

Upchurch, Billy T.; Miller, Irvin M.; Brown, Kenneth G.; Hess, Robert V.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Paulin, Patricia A., 4,829,035, Cl. 502-34.000.

Upchurch, Billy T.; Davis, Patricia A.; and Miller, Irvin M., 4,855,274, Cl. 502-339.000.

Vander Sande, Jan W.; Wood, Charles; and Draper, Susan L., 4,849,033, Cl. 148-13.100.

Vasquez, Peter; Hutto, William R.; and Philips, Albert R., deceased, 4,865,114, Cl. 164-284.000.

von Pragenau, George L., 4,848,778, Cl. 277-236.000.

Wang, Charles C., 4,890,252, Cl. 364-717.000.

Webster, Charles N.; and Scott, Robert O., 4,810,438, Cl. 264-40.600.

Wells, Dennis L., 4,852,232, Cl. 29-157.00C.

Wesselski, Clarence J., 4,805,368, Cl. 52-573.000.

Whitaker, Willie D., 4,809,936, Cl. 244-161.000.

White, Dorsey E., III; Updike, Benjamin T., deceased; and Allred, Johnny W., 4,823,976, Cl. 220-211.000.

Wiker, Gordon A.; and Wells, George H., Jr., 4,829,899, Cl. 102-206.000.

Witherow, William K.; and Ecker, Andreas, 4,810,094, Cl. 356-347.000.

Yost, William T., 4,823,609, Cl. 73-799.000.

Zebker, Howard A.; Held, Daniel N.; van Zul, Jakob J.; Dubois, Pascale C.; and Norikane, Lynne, 4,829,303, Cl. 342-25.000.

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Angulo, Earl D.; and Goodfriend, Roger, 4,823,793, Cl. 128-328.000.

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Karnett, Martin P., 4,818,335, Cl. 156-644.000.

Saccardi, Raymond J., 4,858,113, Cl. 364-200.000.

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Assard, Gerald L., 4,799,202, Cl. 367-149.000.

Attinello, John S.; and Rousseau, David G., 4,865,328, Cl. 273-362.000.

Au, Whitlow W. L.; and Martin, Douglas W., 4,847,817, Cl. 367-135.000.

Backman, Marvin E.; Finnegan, Stephen A.; Whitman, Kent G.; and Sewell, Robert G. S., 4,885,994, Cl. 102-473.000.

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Bell, James C., 4,834,011, Cl. 114-67.00A.

B[illegible]sonnette, Laurent C., 4,848,210, Cl. 89-1.810.

Bobo, Lloyd C.; White, Barbara J.; and Davis, Jon P., 4,859,059, Cl. 356-345.000.

Boos, John B.; Papanicolaou, Nicolas A.; and Weng, Tung H., 4,816,881, Cl. 357-22.000.

Bowling, Donald R.; and Smith, Charles F., 4,853,650, Cl. 330-287.000.

Bridges, William B.; and Bruno, William M., 4,800,350, Cl. 333-239.000.

Cavanagh, Robert D.; and Nelson, Paul E., 4,869,149, Cl. 89-1.580.

Chen, Ming H., 4,872,211, Cl. 343-778.000.

Chu, Tak-Kin; and Santiago, Francisco, 4,853,339, Cl. 437-2.000.

Chu, Tak-Kin; and Santiago, Francisco, 4,870,027, Cl. 437-3.000.

Cochran, Frederick; Davis, Jack; and Apruzese, John, 4,803,687, Cl. 372-5.000.

Coleman, Jeffrey L., 4,869,190, Cl. 114-20.100.

Cunha, Daniel; Brown, Wayne M.; Pool, James E.; and Sheperd, Thomas M., 4,798,141, Cl. 102-293.000.

Dahl, Ernest A., 4,857,894, Cl. 340-619.000.

Davey, John E., 4,888,626, Cl. 357-22.000.

DeNale, Robert; Lukens, William E.; and Marsh, Luther A., 4,866,236, Cl. 219-74.000.

Ditman, L. Samuel, Jr., 4,880,296, Cl. 350-354.000.

Dodier, Paul J., 4,838,797, Cl. 439-38[illegible]0.

Donley, Shawn T.; Gross, Garry L.; and Koper, Judith L., 4,866,361, Cl. 318-584.000.

Dow, Robert L.; and Proctor, Paul W., 4,848,233, Cl. 102-202.200.

Epstein, Alan H.; Guenette, Gerald R.; and Norton, Robert J. G., 4,812,050, Cl. 374-1.000.

Estabrook, Andrew R.; Shook, Laura A.; Daguio, Gerard N.; and Baker, Robert M., 4,846,545, Cl. 350-96.210.

Evans, Mark M.; and Kruchowy, Roman V., 4,866,426, Cl. 340-568.000.

Everett, Hobart R., Jr., 4,851,661, Cl. 250-221.000.

Everett, Hobart R., Jr.; and Gilbreath, Gary A., 4,857,912, Cl. 340-825.300.

Everett, Richard K.; and Henshaw, William F., 4,853,294, Cl. 428-614.000.

Fazi, Valentino N., Jr.; Murdock, Ronald G.; Hancock, Ernest O.; and McCready, John W., 4,819,503, Cl. 74-574.000.

Feldman, Barry J., 4,864,580, Cl. 372-25.000.

Fisher, Arthur D., 4,862,406, Cl. 364-807.000.

Fogarty, Edward J., 4,805,158, Cl. 367-125.000.

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Fraioli, Dominic, 4,819,216, Cl. 367-154.000.

Frazier, William E.; and Koczak, Michael J., 4,834,942, Cl. 420-552.000.

Freeman, Willie B., 4,848,262, Cl. 114-367.000.

Gagliardi, Richard P., 4,890,109, Cl. 342-14.000.

Garcia, Graham A.; and Reedy, Ronald E., 4,843,448, Cl. 357-36.000.

Gearhart, Walter S., 4,798,547, Cl. 440-66.000.

Gerlach, Karl, 4,797,807, Cl. 364-724.070.

Giallorenzi, Thomas G., 4,875,357, Cl. 73-27.00A.

Gilbreath-Frandsen, C.; and Wagner, James W., 4,878,718, Cl. 350-3.690.

Giorgio, Paul J., 4,862,456, Cl. 370-118.000.

Giorgio, Paul J., 4,864,567, Cl. 370-118.000.

Groutage, Frederick D.; Conjerti, Samuel N.; and Shaw, Loc burn S., 4,842,218, Cl. 244-3.280.

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Herold, Stanley J.; LaGrange, Donald E.; Limberger, Thoma R.; and Taylor, James F., 4,805,533, Cl. 102-341.000.

Hinman, Daryl E.; Anderson, Vernon A.; and Bumgardner, Jn H., 4,819,190, Cl. 364-521.000.

Hislop, Alfred R., 4,873,501, Cl. 333-204.000.

Holtrop, John W., 4,867,044, Cl. 92-169.100.

Hubbell, Nelson M.; Murdock, Susan L.; and Romano, Ernest F 4,886,163, Cl. 206-334.000.

Hunsaker, Glen L., 4,829,494, Cl. 367-173.000.

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Jablonski, Daniel G., 4,881,080, Cl. 342-357.000.

Jaenichen, Paul N., Sr., 4,872,309, Cl. 60-497.000.

Jonker, Berend T.; Prinz, Gary A.; and Krebs, James J. 4,828,935, Cl. 428-642.000.

Keith, William L., 4,854,174, Cl. 73-714.000.

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Kim, Oh-Kil, 4,861,859, Cl. 528-210.000.

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Knecht, John A.; and Chenoweth, Darrell L., 4,881,270, C 382-17.000.

Kolesar, Robert R.; and Rickard, J. Terry, 4,809,638, C 116-26.000.

Konrad, William L., 4,815,049, Cl. 367-176.000.

Konrad, William L., 4,835,462, Cl. 324-119.000.

Koo, Kee P.; Bucholtz, Frank; and Dandridge, Anth 4,881,813, Cl. 356-345.000.

Kovar, Jay R., 4,882,970, Cl. 89-1.550.

Krall, Albert D.; and Coughlin, James P., 4,845,508, C 343-785.000.

Krowne, Clifford M.; Prinz, Gary A.; and Krebs, James J. 4,862,119, Cl. 333-24.00R.

Krowne, Clifford M., 4,887,049, Cl. 330-286.000.

Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L. an Henderson, Thomas B., 4,838,646, Cl. 350-169.000.

Lasher, Mark E.; Bocker, Richard P.; Drake, Barry L. an Henderson, Thomas B., 4,863,247, Cl. 350-401.000.

Lauro, George L., 4,811,233, Cl. 364-453.000.

Lee, John N.; Athale, Ravindra A.; and Rolsma, Peter E 4,862,11[illegible], Cl. 332-7.510.

Lessoff, Howard; and Greene, Richard F., 4,843,060, C 505-1.000.

Lin, Sheng S., 4,883,013, Cl. 114-219.000.

Londino, Joseph M., Jr., 4,878,296, Cl. 33-227.000.

Malakhoff, Alexander; and Davis, Sydney, 4,798,085, C 73-148.000.

Malone, Warren L., 4,843,235, Cl. 250-237.00R.

Marolda, Victor J., Jr., 4,874,326, Cl. 439-273.000.

Marshall, Thomas C.; Schlesinger, S. Perry; Grossman, Artu A.; and Chen, Shien-Chi, 4,825,441, Cl. 372-2.000.

Martini, Leonard J., 4,846,209, Cl. 137-68.200.

Merzals, Clarence A., 4,843,965, Cl. 102-205.000.

Morris, Joseph H.; Jarski, Edmund J.; and Harris, Gregory L 4,828,454, Cl. 415-48.000.

Novinson, Thomas, 4,804,779, Cl. 562-542.000.

Novinson, Thomas, 4,832,933, Cl. 423-463.000.

Ogden, Thomas R., 4,822,458, Cl. 204-58.000.

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Olver, Terence E., 4,862,116, Cl. 332-23.00R.

Pavlopoulos, Theodore G.; and Boyer, Joseph H., 4,799,230, C 372-53.000.

Peckerar, Martin C.; and Marrian, Christie R. K., 4,849,925, Cl 364-819.000.

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Prinz, Gary A.; Krebs, James J.; and Jonker, Berend T. 4,823,177, Cl. 357-27.000.

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Reintjes, John F.; and Cooper, David G., 4,868,515, Cl 330-4.300.

Rieger, Harry, 4,851,664, Cl. 250-226.000.

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Smolley, Robert, 4,847,731, Cl. 361-385.000.

Snail, Keith A., 4,815,858, Cl. 356-446.000.

Snyderwine, Martha E., 4,853,900, Cl. 367-4.000.

Southard, Robert D., 4,829,521, Cl. 371-20.000.

Stamnitz, Timothy C.; and Russell, Stephen D., 4,867,518, Cl. 350-96.150.

Sternberg, Robert L., 4,847,628, Cl. 343-754.000.

Tallerino, Charles, 4,834,684, Cl. 441-2.000.

Taylor, Charles J.; Grossman, Julius; Fischer, Jacqueline; Smith, Howard A.; Peckerar, Martin C.; and Rebbert, Milton L., 4,818,661, Cl. 430-320.000.

Taylor, Robert J.; and True, Daniel G., 4,798,159, Cl. 114-295.000.

Urkowitz, Harry; and Perry, Richard P., 4,809,001, Cl. 342-94.000.

Walton, Jim M.; and Munson, Arthur E., 4,876,979, Cl. 114-258.000.

Wehner, Donald R., 4,851,848, Cl. 342-25.000.

Werner, Walter N.; Biscardi, Jeffrey K.; and McClain, Edward L., 4,885,930, Cl. 73-37.000.

Whitham, Kent G., 4,878,695, Cl. 285-39.000.

Whitlock, Robert R.; Wark, Justin S.; and Hauer, Allan, 4,821,302, Cl. 378-73.000.

Whitman, Gary R.; and McCauley, Daniel S., 4,861,298, Cl. 441-42.000.

Williams, John G.; Donnellan, Thomas M.; and Trabocco, Ronald E., 4,862,735, Cl. 73-54.000.

Winyard, David C., 4,824,348, Cl. 418-195.000.

Witriol, Norman M.; Brumage, William H.; and Cowling, David H., 4,853,771, Cl. 358-93.000.

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Sparks, Leslie E.; and Plaks, Norman, 4,885,139, Cl. 422-169.000.

U.S. Philips Corporation: *See*—

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Adamek, Manfred; Rinneburger, Klaus; and Schattmann, Peter, 4,796,121, Cl. 360-78.130.

Ahlstrom, Lars G. W., 4,796,834, Cl. 244-3.160.

Albach, Manfred; Schafer, Ralf; Stormberg, Hans-Peter; and Wegener, Armin, 4,812,736, Cl. 323-224.000.

Albach, Manfred, 4,821,166, Cl. 363-89.000.

Aldenhoven, Ghislanus M. M.; Einhaus, Hermanus F.; and Boonen, Rene M. F., 4,835,760, Cl. 369-75.200.

Allaire, Jean-Luc, 4,802,779, Cl. 400-4[illegible].000.

Aimering, Antonius F. J., 4,881,012, Cl. 315-209.00R.

Aimering, Antonius F. J.; and Melai, Henri A. J., 4,887,007, Cl. 315-243.000.

Anflo, Kjell S.; Grabs, Jan W. I.; and Ivarsson, Roland H., 4,823,133, Cl. 342-199.000.

Antonis, Petrus H.; Meessen, Lodewijk H. M.; and Schafer, Ralf, 4,795,943, Cl. 313-620.000.

Audier, Marcel-Francis, 4,866,496, Cl. 357-24.000.

Auding, Hans; Frank, Gunter; Kostlin, Heiner; and Vitt, Bruno, 4,889,974, Cl. 219-543.000.

Baars, Nicolaas J.; and Ducrot, Etienne, 4,831,378, Cl. 341-139.000.

Bachmann, Peter K.; Geittner, Peter E. E.; Leers, Dieter; and Wilson, Howard J. C., 4,802,733, Cl. 350-96.340.

Bachmann, Peter K.; Hagemann, Hans-Jurgen E.; Warnier, Jacques P. M.; and Wilson, Howard J. C., 4,871,383, Cl. 65-3.120.

Bachmann, Peter K.; Geittner, Peter E.; Lydtin, Hans-Jurgen; and Romanowski, Gerd, 4,885,018, Cl. 65-3.110.

Bader, Edgar, 4,890,303, Cl. 375-107.000.

Baggen, Constant P. M. J., 4,802,173, Cl. 371-40.000.

Bahlmann, Johannes P. M., 4,870,533, Cl. 361-101.000.

Baker, Ian M., 4,833,515, Cl. 357-24.000.

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Bakker, Eppe; and Tietjens, Eduard W., 4,811,483, Cl. 30-43.600.

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Bakker, Johan G.; and Van Der Mast, Karel D., 4,820,921, Cl. 250-307.000.

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Barbier, Pascal; Falgat, Francis; and Sorel, Alain, 4,878,060, Cl. 343-778.000.

Barbu, Stefan; Valkestijn, Leonardus; and van de Kerkhof, Franciscus A. M., 4,815,026, Cl. 364-300.000.

Bates, Robert N., 4,857,935, Cl. 342-128.000.

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Bauer, Manfred, 4,825,455, Cl. 378-153.000.

Bauer, Peter, 4,853,951, Cl. 379-62.000.

Beasley, James P., 4,825,033, Cl. 219-121.250.

Becker, Johann A.; and Boehm, Detlef M., 4,798,432, Cl. 350-96.200.

Beckley, John C., 4,866,522, Cl. 358-145.000.

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Beckmans, Antonius A. G., 4,809,309, Cl. 378-99.000.

Begehr, Dieter; Keitel, Gerd; and Burmeister, Rainer, 4,830,514, Cl. 374-178.000.

Benschop, Jozef P. H., 4,845,352, Cl. 250-201.000.

Benson, Bengt H.; and Edstrom, Per A., 4,815,110, Cl. 375-107.000.

Bergen, Franciscus H. M., 4,816,780, Cl. 332-1.000.

Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., 4,835,765, Cl. 370-32.100.

Bergmans, Johannes W. M.; Claasen, Theodoor A. C. M.; and Van Gerwen, Petrus J., 4,856,026, Cl. 375-58.000.

Bergmans, Johannes W. M., 4,866,736, Cl. 375-18.000.

Bergmans, Johannes W. M.; van Gerwen, Petrus J.; and Wouda, Kornelis J., 4,870,657, Cl. 375-14.000.

Bergstrom, Michael J.; and Gent, Derek J., 4,837,457, Cl. 307-253.000.

Berney, Jean-Claude, 4,800,334, Cl. 324-158.0MG.

Bertram, Leo; Schemmann, Hugo; and Bukoschek, Romuald L., 4,803,390, Cl. 310-50.000.

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Bertram, Leo; Schemmann, Hugo; and Diefenbach, Gerhard, 4,812,691, Cl. 310-41.000.

Bertram, Leo; and Schemmann, Hugo, 4,827,171, Cl. 310-162.000.

Bierhoff, Martinus P. M., 4,813,031, Cl. 369-45.000.

Bijma, Jan; and Van Den Beld, Antonius J. M., 4,890,032, Cl. 313-412.000.

Bird, Neil C., 4,864,217, Cl. 323-316.000.

Bird, Neil C., 4,866,368, Cl. 323-316.000.

Bird, Philip H.; and Armstrong, Desmond R., 4,885,477, Cl. 307-296.800.

Bird, Philip H., 4,890,020, Cl. 307-571.000.

Biverot, Hans G., 4,868,378, Cl. 250-203.00R.

Bjorkman, Bengt H., 4,867,556, Cl. 356-1.000.

Blanken, Pieter G.; and De Boer, Jan R., 4,868,518, Cl. 330-264.000.

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Bleijenberg, Robert, 4,888,543, Cl. 318-721.000.

Bohm, Heinz, 4,884,868, Cl. 350-168.000.

Bolhuis, Pieter J., 4,825,443, Cl. 372-38.000.

Bolk, Hendrik J. J.; and Zieltjens, Georges C. P., 4,866,300, Cl. 307-358.000.

Bolt, Durk J., 4,811,347, Cl. 371-51.000.

Bonnefous, Odile M. A.; and Pesque, Patrick R., 4,803,990, Cl. 128-661.080.

Boon, Cornelis A. M.; and Nordholt, Ernst H., 4,816,779, Cl. 331-109.000.

Boon, Cornelis A. M.; Boudewijns, Arnoldus J. J.; and Frensch, Adrianus J., 4,833,371, Cl. 315-403.000.

Boon, Cornelis A. M.; and Boudewijns, Arnoldus J. J., 4,835,727, Cl. 364-858.000.

Borgers, Stephanus M. C.; Habraken, Egidius A. P.; and Woudsma, Roberto, 4,831,440, Cl. 358-133.000.

Borgers, Stephanus M. C.; and Visser, Cornelis P., 4,837,724, Cl. 364-725.000.

Borgers, Stephanus M. C.; De Bruijne, Roeland P.; and De With, Peter H. M., 4,849,812, Cl. 358-133.000.

Borgis, Livio, 4,888,519, Cl. 313-318.000.

Bosch, Gerrit; Pasma, Tjebbe R.; Sluyterman, Albertus A. S.; Doomernik, Fransiscus M. P. P.; and Wielink, Steven M., 4,857,805, Cl. 315-8.000.

Boskamp, Eddy B., 4,816,765, Cl. 324-318.000.

Boskamp, Eddy B., 4,839,595, Cl. 324-318.000.

Boskamp, Eddy B., 4,859,947, Cl. 324-318.000.

Boudewijns, Arnoldus J. J., 4,812,887, Cl. 357-24.000.

Boudewijns, Arnoldus J. J.; and Collet, Marnix G., 4,868,855, Cl. 377-60.000.

Boudewijns, Arnoldus J. J., 4,885,552, Cl. 331-1.00A.

Boutigny, Pierre-Henri, 4,803,423, Cl. 324-130.000.

Boutigny, Pierre-Henri, 4,833,400, Cl. 324-126.000.

Braat, Josephus J. M., 4,872,748, Cl. 350-432.000.

Bradinal, Werner H. W., 4,859,883, Cl. 307-546.000.

Braun, Walter; Kersten, Reinhard; and Kuhl, Egbert, 4,829,159, Cl. 219-486.000.

Breddels, Paulus A.; and Van Sprang, Hendrik A., 4,830,469, Cl. 350-345.000.

Bremer, Fridtjof; and Muijderman, Everhardus, 4,799,421, Cl. 92-162.00R.

Bremmer, Jacob G.; and Jaspers, Cornelis A. M., 4,802,011, Cl. 358-213.150.

Bressers, Andreas J. M.; Coops, Peter; and Duijvestijn, Adrianus J., 4,829,506, Cl. 369-112.000.

Brommer, Gerrit; Van Herwijnen, Arend; Talma, Cornelis J.; and Veenstra, Herbert E. V., 4,827,381, Cl. 361-531.000.

Brown, Kevin J., 4,882,741, Cl. 378-152.000.

Bryant, Stewart F., 4,847,834, Cl. 370-85.000.

Bryant, Stewart F., 4,849,752, Cl. 340-825.520.

Buis, Edwin J., 4,872,358, Cl. 74-99.00R.

Bukoschek, Romuald L.; and Schemmann, Hugo, 4,827,204, Cl. 318-702.000.

Burghard, Krahl, 4,809,149, Cl. 363-20.000.

Burgmans, Adrianus L. J.; and Van Ijzendoorn, Petrus R., 4,871,942, Cl. 313-493.000.

Buschow, Kurt H. J., 4,889,607, Cl. 204-192.150.

Bussonniere, Andre; and Courtois, Yves, 4,872,108, Cl. 364-200.000.

Caems, Josephus F.; and Ooms, Leo F. M., 4,866,340, Cl. 313-579.000.

Calisen, Georg H.; and Kindler, George U. P., 4,876,905, Cl. 73-866.500.

Calvet, Jean-Claude; and Mauge, Jacques, 4,833,727, Cl. 455-151.000.

Caple, Adrian, 4,855,640, Cl. 313-477.00R.

Chalendard, Herve, 4,795,897, Cl. 235-482.000.

Chantelou, Olivier, 4,825,288, Cl. 358-166.000.
Chantepie, Bernard, 4,808,851, Cl. 307-450.000.
Chisholm, Thomas, 4,806,766, Cl. 250-396.0ML.
Claesson, Jan S.; Risman, Per O. G.; and Wass, Bo A., 4,816,632, Cl. 219-10.55F.
Claesson, Jan S.; and Risman, Per O. G., 4,849,592, Cl. 219-10.55F.
Claesson, Jan S.; and Risman, Per O. G., 4,855,554, Cl. 219-10.55F.
Clark, David G., 4,796,016, Cl. 340-750.000.
Clasen, Rolf; and Schmidl, Benno, 4,816,051, Cl. 65-17.000.
Clasen, Rolf, 4,859,224, Cl. 65-17.000.
Clasen, Rolf, 4,866,857, Cl. 34-10.000.
Clasen, Rolf, 4,888,036, Cl. 65-18.100.
Cobben, Johannes I. M., 4,887,287, Cl. 378-198.000.
Coehoorn, Reinder; and Duisters, Dionysius J., 4,810,309, Cl. 148-302.000.
Collet, Andre; Gourrier, Serge; and Maurin, Olivier, 4,816,377, Cl. 430-296.000.
Compen, Johannes M. A. A., 4,801,842, Cl. 313-402.000.
Compen, Johannes M. A. A.; and Van Kemenade, Wilhelmus M. P., 4,806,823, Cl. 313-479.000.
Compter, Johan C.; and Heijmans, Peter M. S. M., 4,795,953, Cl. 318-696.000.
Coops, Peter, 4,835,378, Cl. 250-201.000.
Cormier, Jean-Pierre M.; and Horvat, Philippe N., 4,806,945, Cl. 343-756.000.
Cornelissen, Bernardus H. J., 4,800,534, Cl. 365-233.000.
Cornelissen, Bernardus H. J., 4,801,826, Cl. 307-482.000.
Cornelissen, Bernardus H. J., 4,864,159, Cl. 307-264.000.
Coulmance, Jean-Pierre R., 4,835,484, Cl. 330-138.000.
Coupe, Jean-Denis; Ryat, Marc; Raguet, Philippe; and Bardyn, Jean-Paul, 4,829,231, Cl. 323-315.000.
Creusen, Caspard H. J.; and Colditz, Johannes K. E., 4,855,587, Cl. 250-213.0VT.
Crowther, Gerald O., 4,864,614, Cl. 380-10.000.
Cuppen, Johannes J. M., 4,853,635, Cl. 324-309.000.
Cuppens, Roger; and Koomen, Joannes J. M., 4,862,418, Cl. 365-201.000.
Cusdin, Anthony R.; Dadds, Alan F.; and Mailinson, Peter, 4,797,679, Cl. 342-387.000.
Dadds, Alan F., 4,857,937, Cl. 342-377.000.
Daffarn, Patrick A., 4,821,036, Cl. 341-172.000.
Dammann, Hans O. B.; Pross, Elke B.; Rabe, Gert; Tolksdorf, Wolfgang F. M.; and Zinke, Manfred B., 4,798,434, Cl. 350-96.110.
Dannert, Horst; and Stormberg, Hans-Peter, 4,870,317, Cl. 313-25.000.
Dautriche, Pierre B., 4,831,336, Cl. 330-253.000.
Davids, Geert J. T.; and Wiertsema, Wiegert, 4,881,250, Cl. 377-60.000.
Davie, Alan J., 4,890,043, Cl. 315-408.000.
Davies, Robert; Hoare, Percy W.; and Gibson, Peter J., 4,882,553, Cl. 333-26.000.
Decraemer, Alain, 4,859,915, Cl. 315-371.000.
De Haan, Gerard, 4,873,575, Cl. 358-166.000.
Dejaegher, Daniel, 4,825,214, Cl. 342-128.000.
De Jong, Augustinus C. G.; and Schrederhof, Antonie, 4,838,642, Cl. 350-96.270.
De Jong, Henricus J. J. M., 4,797,595, Cl. 313-493.000.
Dekker, Evert H. L. J., 4,797,788, Cl. 361-540.000.
De Koning, Stephanus H.; and Verwijmeren, Alexander, 4,817,160, Cl. 381-83.000.
De Leeuw, Dagobert M.; Klaassen, Dirk B. M.; and Mutsaers, Cornelis A. H. A., 4,859,902, Cl. 313-474.000.
Delmas, Gilles; Hazan, Jean-Pierre; and Steers, Michel, 4,816,737, Cl. 320-35.000.
Delpech, Guy; and Garnier, Gilles, 4,875,140, Cl. 361-412.000.
Den Boef, Arie J., 4,874,246, Cl. 356-375.000.
Den Boef, Johannes H., 4,812,762, Cl. 324-309.000.
Den Boef, Johannes H., 4,890,061, Cl. 324-320.000.
Dennerlein, Ludwig; and Walters, Eckhard, 4,868,459, Cl. 315-158.000.
der Kinderen, Wilhelmus C., deceased; and De Haan, Friedrich J., administrator, 4,847,534, Cl. 313-628.000.
Dethienne, Henri-Pierre Y., 4,857,877, Cl. 336-170.000.
Deusser, Peter G.; Boehm, Detlef M.; Eiden, Karl W.; and Becker, Johann A., 4,859,020, Cl. 350-96.200.
Deusser, Peter G.; Boehm, Detlef M.; and Becker, Johann A., 4,886,336, Cl. 350-96.200.
de Vrijer, Bertus, 4,806,816, Cl. 313-331.000.
Dewey, Richard J.; and Collier, Christopher J., 4,803,700, Cl. 375-77.000.
De With, Gijsbertus; and Van Dijk, Hendricus J. A., 4,841,195, Cl. 313-636.000.
Dick, Burkhard, 4,845,441, Cl. 330-302.000.
Diefenbach, Gerhard; Schemmann, Hugo; and Bukoschek, Romuald L., 4,868,435, Cl. 310-47.000.
Dijken, Reinder H., 4,843,270, Cl. 310-208.000.
Dimigen, Heinz; and Hubsch, Hubertus, 4,828,728, Cl. 252-12.000.
Dobson, Peter J., 4,838,987, Cl. 156-626.000.
Dobson, Peter J., 4,867,510, Cl. 307-427.000.
Doorman, Volker; and Krumme, Jens-Peter, 4,849,080, Cl. 204-192.150.
Dorgelo, Albertus, 4,845,705, Cl. 370-58.000.
Dorland, Hendricus A. H., 4,800,585, Cl. 379-364.000.
Dorleijn, Jan W. F.; van der Heijden, Rudolf L. A.; and Denneman, Jan W., 4,868,463, Cl. 315-326.000.
Douwes, Marcelles B. M.; Van Rijsewijk, Cornelis H. M.; van der Hoorn, Rudolf J. G. A.; and Ouwerkerk, Cornelis, 4,849,958, C 369-77.200.
Doyen, Daniel; and Vriz, Tarcisio, 4,873,495, Cl. 331-68.00
Doyle, Terence; and Vreeswijk, Franciscus W. P., 4,845,561, C 358-136.000.
Drahanowsky, Walter, 4,880,181, Cl. 242-74.000.
Driessen, Leonardus M. H. E.; Janse, Cornelis P.; and Lahaije, Pa D. M. E., 4,888,698, Cl. 364-443.000.
Duchenois, Valere, 4,867,535, Cl. 350-321.000.
Ducourant, Thierry; and Gabillard, Bertrand, 4,831,588, C 365-154.000.
Dufour, Rene, 4,817,097, Cl. 372-25.000.
Duthuit, Olivier; Bonnet, Thierry; and Martin, Philippe, 4,812,9 Cl. 364-522.000.
Easton, Brian C.; and Whiffin, Peter A. C., 4,874,634, C 427-54.100.
Ehlers, Bernd; and Renelt, Gerhard, 4,827,353, Cl. 358-283.00
Eijkelenboom, Leonard C. H.; Maassen, Egbertus J. P.; and Va Meel, Franciscus A. M. M., 4,855,886, Cl. 362-350.000.
Eikelboom, Herman W., 4,844,907, Cl. 118-723.000.
Eizenhofer, Alfons; and Schmidt, Werner, 4,850,031, C 455-56.000.
Eizenhoffer, Alfons; and Preiler, Hans-Gorg, 4,799,252, C 379-59.000.
Elff, Manfred; Pfeiffer, Wilfried G.; Schwieker, Horst-Hartw and Christiansen, Dieter H. C., 4,872,193, Cl. 378-196.000.
Ellwanger, Russell C.; and Schmitz, Johannes E. J., 4,851,36 C 437-200.000.
Elsner, Hans F. K.; Prendel, Peter W.; Kandler, Wilfried H. K.; a Sandkuhl, Jurgen, 4,841,102, Cl. 174-35.0GC.
Endo, Katsuhiro; and Imai, Yasumichi, 4,866,405, Cl. 332-15
Engel, Ludovicus H. M.; and Picket Weenink, Pieter C., 4,862 Cl. 371-51.000.
Enz, Ulrich E., 4,797,766, Cl. 360-113.000.
Erman, Marko, 4,832,432, Cl. 350-96.140.
Eschard, Gilbert, 4,806,827, Cl. 313-533.000.
Eschard, Gilbert, 4,871,943, Cl. 313-526.000.
Esser, Leonard J. M.; and Pelgrom, Marcellinus J. M., 4,79 Cl. 358-213.280.
Esser, Leonard J. M.; and Lock, Gijsbert, 4,807,005, Cl. 357-24.0
Eusemann, Roland K.; Oepen, Heinrich A.; and Hammers, A 4,884,002, Cl. 310-323.000.
Evans, David H., 4,821,041, Cl. 343-700.0MS.
Faber, Johannes W., 4,796,139, Cl. 360-133.000.
Farhangi, Hassan; and Konings, Johan W. M. E., 4,841,51 C 369-59.000.
Feulner, Alfred; and Schmitt, Norbert, 4,848,866, Cl. 350-96.2
Fialon, Bernard, 4,854,559, Cl. 267-74.000.
Field, Anthony J., 4,858,010, Cl. 358-160.000.
Field, Ronald L.; and Empiage, Richard S., 4,886,99 C 313-400.000.
Fink, Mathias, 4,873,869, Cl. 73-626.000.
Fischer, Hanns E.; Horster, Horst; Kersten, Reinhard; and Va Lierop, Joseph G., 4,866,327, Cl. 313-25.000.
Fischer, Karl; Kock, Werner; and Tuider, Wolfgang, 4,858,05 C 360-137.000.
Fischer, Walter; and Suss, Christian, 4,802,238, Cl. 455-188.0
Fleck, Harald, 4,796,117, Cl. 360-96.500.
Fonsalas, Frederic, 4,839,836, Cl. 364-582.000.
Frankena, Johannes A.; Wijtsma, Jorrit; and Elkerbout, Marte 4,866,284, Cl. 250-494.100.
Freeman, Kenneth G.; George, David S.; and Knapp, Ala 4,870,328, Cl. 315-366.000.
Freeman, Kenneth G., 4,873,472, Cl. 315-366.000.
French, Richard C.; and Marshall, Christopher B., 4,864,64 C 455-302.000.
Frequin, Vincentius T. M., 4,812,908, Cl. 358-174.000.
Frijlink, Peter M., 4,860,687, Cl. 118-500.000.
Fuderer, Miha; and Cuppen, Johannes J. M., 4,812,751, C 324-307.000.
Fuderer, Miha; and Cuppen, Johannes J. M., 4,823,085, C 324-312.000.
Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Pet 4,816,721, Cl. 315-241.00R.
Ganser, Hans G.; Schafer, Ralf; and Stormberg, Hans-Pet 4,839,560, Cl. 313-628.000.
Gartner, Georg F.; and Lydtin, Hans-Jurgen, 4,877,642, C 427-38.000.
Gartner, Georg F.; Rau, Hans; and Janiel, Peter A., 4,883,36 C 366-101.000.
Geddes, Ronald C., 4,800,528, Cl. 365-185.000.
Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Hein 4,851,785, Cl. 329-111.000.
Gehrt, Heinz H.; Hildebrandt, Gunter; and Rehfeldt, Karl-Hein 4,874,966, Cl. 307-291.000.
Geittner, Peter E. E.; Lydtin, Hans-Jurgen; and Wilson, Howard C., 4,857,091, Cl. 65-3.120.
Getreuer, Kurt W., 4,807,211, Cl. 369-44.000.
Getreuer, Kurt W., 4,807,214, Cl. 369-46.000.
Gibson, Peter J., 4,873,529, Cl. 343-700.0MS.
Gielis, Gerardus C. M.; Bogers, Antonius J. P.; and Van Lerberghe Steven J. W., 4,884,230, Cl. 364-724.150.
Gijzen, Wilhelmus A. H.; Decoster, Michel H. F.; and Cameri Eduard, 4,833,666, Cl. 369-75.200.
Gilbert, Eschard, 4,795,390, Cl. 445-29.000.
Gladenbeck, Jurgen; and Frohlich, Gunter, 4,863,234, Cl. 350-96.210.
Gloaguen, Gilbert, 4,864,166, Cl. 307-475.000.
Goatman, Michael C., 4,868,875, Cl. 379-429.000.
Gossink, Robert G., 4,844,594, Cl. 350-417.000.
Graf von Zedlitz und Trutzschler, Helmut, 4,843,498, Cl. 360-93.000.
Graham, Gary R., 4,887,020, Cl. 322-63.000.
Gravesteijn, Dirk J.; and van der Poel, Carolus J., 4,808,514, Cl. 430-495.000.
Gravesteijn, Dirk J.; and Van Der Poel, Carolus J., 4,816,385, Cl. 430-495.000.
Gravesteijn, Dirk J.; and Van Der Poel, Carlus J., 4,818,666, Cl. 430-495.000.
Grobben, Henri M., 4,799,209, Cl. 369-75.200.
Groothoff, Adriaan J., 4,819,323, Cl. 29-605.000.
Groothoff, Adriaan J.; Sluyterman, Albertus A. S.; Overdijk, Dik R.; and Van Maastricht, Jacob, 4,823,460, Cl. 29-605.000.
Guenot, Andre; and Cantou, Christian J. R., 4,841,365, Cl. 358-147.000.
Guery, Alain, 4,797,632, Cl. 330-285.000.
Guckenberger, Horst; and Eberle, Karl, 4,854,035, Cl. 29-603.000.
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,853,947, Cl. 378-99.000.
Haaker, Paul R.; Klotz, Erhard P. A.; Koppe, Reiner H.; and Linde, Rolf E., 4,888,794, Cl. 378-41.000.
Habraken, Johannes C., 4,796,796, Cl. 228-37.000.
Hagen, Johannes L. M., 4,836,692, Cl. 384-107.000.
Haghiri, Mohammad-Reza; and Boutrois, Bertrand, 4,875,094, Cl. 358-105.000.
Hasma, Jan; Adema, Cornelis L.; Alting, Cornelis L.; and Brehm, Rudolf, 4,810,318, Cl. 156-153.000.
Halm, Jan H.; Post, Leonardus H. J.; van Otterdijk, Johannes F.; and van der Stelt, Paul F., 4,829,548, Cl. 378-38.000.
Hamel, Christian, 4,865,241, Cl. 225-2.000.
Hamer, Rene H.; and Du Pau, Cornelis P., 4,864,554, Cl. 369-50.000.
Harding, Geoffrey; Kosanetzky, Josef-Maria; and Neitzel, Ulrich, 4,850,002, Cl. 378-87.000.
Harding, Geoffrey; and Kosanetzky, Josef-Maria, 4,887,285, Cl. 378-88.000.
Harlos, Hartmut; Juhnke, Klaus G. H.; and Kelting, Peter, 4,805,021, Cl. 358-160.000.
Harlos, Hartmut; and Kelting, Peter, 4,857,779, Cl. 307-542.000.
Harris, Jeffrey J.; Shannon, John M.; and Woodcock, John M., 4,843,447, Cl. 357-34.000.
Hartman, Robert A.; and Peloschek, Hans P., 4,843,312, Cl. 324-158.00R.
Hartmann, Wilbert J. A. M., 4,840,462, Cl. 350-350.00S.
Hasker, Jan; Van Esdonk, Johannes; and Kwestroo, Wim, 4,873,052, Cl. 419-2.000.
Heck, Berthold; and Speidel, Joachim, 4,843,582, Cl. 364-724.160.
Hegendorfer, Max, 4,843,482, Cl. 358-335.000.
Heijnemans, Werner A. L., 4,807,053, Cl. 358-335.000.
Heinzerling, Paul H., 4,870,331, Cl. 315-411.000.
Hellwig, Paul; and Wilhelm, Dieter, 4,849,670, Cl. 313-318.000.
Hendriks, Johannes H.; Brekelmans, Johannes H. A.; and Bos, Johannes J., 4,843,636, Cl. 455-192.000.
Hendriks, Johannes H., 4,851,796, Cl. 333-129.000.
Hennings, Detlev; Stormberg, Hans-Peter; and Peterek, Manfred, 4,860,269, Cl. 368-107.000.
Herby, Gerard; and Legall, Serge, 4,809,349, Cl. 382-50.000.
Herrmann, Jochem; and Siefken, Erwin O. F., 4,814,669, Cl. 315-10.000.
Heuvinck, Leo A. K., 4,829,582, Cl. 381-194.000.
Hieber, Hartmann; and Thews, Wolfgang, 4,817,277, Cl. 29-832.000.
Hieber, Hartmann, 4,828,886, Cl. 427-422.000.
Hillion, Herve, 4,823,292, Cl. 364-707.000.
Himmelbauer, Erich E., 4,855,638, Cl. 313-389.000.
Hoeberechts, Arthur M. E.; and Van Gorkom, Gerardus G. P., 4,853,585, Cl. 313-422.000.
Hoeberechts, Arthur M. E., 4,857,980, Cl. 357-30.000.
Holten, Petrus A. J., 4,803,394, Cl. 313-113.000.
Hooijmans, Pieter W., 4,814,717, Cl. 329-103.000.
Hornsen, Johannes B., 4,853,801, Cl. 360-46.000.
Horvat, Philippe, 4,856,085, Cl. 455-315.000.
Horvath, Othmar, 4,815,066, Cl. 369-79.000.
Houtman, Eliberthus; and Brouwer, Geert, 4,800,580, Cl. 378-71.000.
Hubner, Horst; and Grzesik, Ulrich, 4,869,571, Cl. 350-96.200.
Hubner, Horst H.; and Lersmacher, Bernhard N. A., 4,865,413, Cl. 350-96.210.
Hughes, John B., 4,849,759, Cl. 341-156.000.
Huijbers, Antonius J.; and Ingeveld, Johannes W., 4,864,181, Cl. 313-113.000.
Hulshof, Jozef J. M., 4,849,652, Cl. 307-261.000.
In Den Kleef, Josephus J. E.; Groen, Johannes P.; and De Graaf, Rudolf G., 4,870,361, Cl. 324-309.000.
Ingeveld, Johannes W.; and Westerhof, Albert J., 4,797,302, Cl. 427-107.000.
Ishording, Willem, 4,816,651, Cl. 235-379.000.
Jackson, John, 4,853,538, Cl. 250-336.200.
Jacobs, Johannes W. M.; and Rikken, Johannes M. G., 4,853,320, Cl. 430-413.000.
Jacrot, Michel, 4,843,276, Cl. 313-318.000.
James, Phillip A.; and Whitehead, Martin A., 4,842,730, Cl. 210-198.200.
Jansen, Cornelis J. A., 4,890,324, Cl. 380-43.000.
Jansen, Gerardus L. M.; and Smulders, Henricus J., 4,798,447, Cl. 350-255.000.
Jansen, Winfrid B., 4,864,248, Cl. 330-254.000.
Janssen, Daniel J. G., 4,799,236, Cl. 375-36.000.
Janssen, Eduard J. P.; and Notelteirs, Victor R., 4,857,709, Cl. 219-464.000.
Janssen, Peter J. M., 4,839,882, Cl. 369-275.000.
Jatteau, Michel R., 4,860,205, Cl. 364-413.240.
Jatteau, Michel R.; Lelong, Pierre H.; Pauzat, Vincent; and Plard, Christian, 4,881,171, Cl. 364-413.240.
Jenner, Michael D.; and Lamb, Joy A., 4,815,199, Cl. 29-840.000.
Johanndeiter, Martin H.; and Oldach, Detlef W. K., 4,800,428, Cl. 358-142.000.
Josquin, Wilhelmus J. M. J., 4,859,630, Cl. 437-203.000.
Joyce, Bruce A.; and Dawson, Philip, 4,843,029, Cl. 437-82.000.
Kamp, Ronald P. T.; and De Meij, Johannes P., 4,881,914, Cl. 445-73.000.
Kasperkovitz, Wolfdietrich G., 4,814,715, Cl. 329-50.000.
Kawanaka, Yoshikazu, 4,864,550, Cl. 369-6.000.
Keilholz, Heinz, 4,847,836, Cl. 370-100.000.
Kemper, Nicolaas R.; Bouwens, Henricus J. J.; Koster, Marinus P.; and De Peuter, Willem L. G., 4,872,362, Cl. 74-479.000.
Kersten, Reinhard; Kuhlmorgen, Karl J.; and Kuhl, Egbert, 4,871,961, Cl. 323-267.000.
Kessels, Henricus M. M.; and Velzel, Christiaan H. F., 4,800,547, Cl. 369-45.000.
Kessels, Henricus M. M., 4,808,003, Cl. 356-376.000.
Khoe, Giok D., 4,824,195, Cl. 350-96.180.
Khoe, Giok D., 4,830,453, Cl. 350-96.180.
Klaassen, Francois M., 4,799,092, Cl. 357-23.120.
Klee, Mareike K.; and Brand, Hans-Wolfgang, 4,859,448, Cl. 423-598.000.
Knapp, Alan G.; Lamport, Daphne L.; Washington, Derek; and Woodhead, Alfred W., 4,879,496, Cl. 315-366.000.
Knibbe, Engel J., 4,825,292, Cl. 358-213.240.
Knibbeler, Charles L. C. M., 4,888,809, Cl. 381-103.000.
Knochel, Reinhard; and Kohler, Jurgen, 4,806,941, Cl. 343-700.0MS.
Kohsiek, Cord H., 4,812,734, Cl. 323-312.000.
Kokkeler, Franciscus; Fioroli, Mario; Risman, Per O. G.; Vigano, Liliana; and Idebro, Mats G., 4,841,111, Cl. 219-10.55B.
Koop, Hermann; and Schuddekopf, Hans, 4,834,843, Cl. 204-5.000.
Kordts, Jurgen; and Martens, Gerhard, 4,850,698, Cl. 356-434.000.
Kordts, Jurgen; Orlowski, Reiner U.; Gorlt, Ingobert H.; and Martens, Gerhard, 4,864,648, Cl. 455-608.000.
Kordts, Jurgen; Gensel, Joachim W. P.; and Martens, Gerhard, 4,866,436, Cl. 340-870.280.
Koropp, Norbert, 4,856,413, Cl. 91-454.000.
Korupp, Norbert, 4,868,845, Cl. 378-204.000.
Koster, Marinus P.; Bouwens, Henricus J. J.; Van Tartwijk, Anton A. J.; and De Peuter, Willem L. G., 4,874,286, Cl. 414-744.500.
Krainhofer, Gunter L., 4,815,558, Cl. 181-141.000.
Kramer, Pieter; and Roos, Jan, 4,807,209, Cl. 369-44.000.
Kraus, Uwe E., 4,797,883, Cl. 370-109.000.
Kraus, Uwe E., 4,851,907, Cl. 358-140.000.
Krause, Matthias R., 4,838,372, Cl. 177-211.000.
Krause, Matthias R., 4,858,710, Cl. 177-211.000.
Krekels, Henricus C. J.; and Kuindersma, Pieter I., 4,833,684, Cl. 372-49.000.
Krol, Thijs; and Van Gils, Willibrordus J., 4,884,194, Cl. 364-200.000.
Kroner, Klaus G.; and Wolber, Jorg, 4,883,991, Cl. 307-491.000.
Kruger, Johann E. W.; Killat, Ulrich R. P.; and Jasmer, Wolfgang E., 4,868,812, Cl. 370-56.000.
Kruishoop, Johan C. W., 4,849,640, Cl. 250-492.100.
Kruit, Pieter, 4,882,486, Cl. 250-305.000.
Kuhn, Michael H.; and McKinnon, Graeme C., 4,820,984, Cl. 324-309.000.
Kuhn, Michael H., 4,825,160, Cl. 324-309.000.
Kuhn, Michael H.; Heizel, Thomas; Proksa, Roland; and Van Den Berg, Noel J. M., 4,873,486, Cl. 324-307.000.
Kuijk, Karel, 4,811,006, Cl. 340-719.000.
Kuijk, Karel E., 4,810,059, Cl. 350-333.000.
Kuijpers, Lambert J. M.; and De Wit, Johannes A., 4,848,098, Cl. 62-211.000.
Kunze, Dieter; Onken, Gerd; and Wolber, Jorg, 4,849,663, Cl. 307-521.000.
Kunze, Norbert, 4,825,322, Cl. 360-96.300.
Kunze, Norbert, 4,827,785, Cl. 74-483.0PB.
Kupfer, Karl-Heinz, 4,796,101, Cl. 358-335.000.
Kupfer, Karl-Heinz O., 4,803,549, Cl. 358-39.000.
Kuus, Gijsbert H. C.; and Heijnen, Godefridus, 4,851,733, Cl. 313-331.000.
Labrousse, Jean-Michel J.; and Paquet, Christian, 4,808,860, Cl. 307-572.000.
Lamnabhi, Moustanir; and Salembier, Philippe, 4,860,310, Cl. 375-18.000.
Lamport, Daphne L.; and Woodhead, Alfred W., 4,853,587, Cl. 313-422.000.
Lanfranca, Michel, 4,811,300, Cl. 365-203.000.
Lanfranca, Michel J.; Labrousse, Jean-Michel J.; and Deneuchatel, Christian M., 4,805,130, Cl. 364-786.000.
Latorre, Bernard; and Foucher, Claude, 4,826,143, Cl. 267-148.000.

Lavoute, Pascal D.; and Boutot, Jean-Pierre, 4,816,718, Cl. 313-534.000.
Le Bris, Jean; and Erman, Marko, 4,834,539, Cl. 356-369.000.
Lenders, Henricus J. P., 4,805,440, Cl. 72-455.000.
Le Queau, Marcel, 4,799,025, Cl. 329-107.000.
Liehr, Manfred R., 4,807,796, Cl. 228-121.000.
Ligtenberg, Martinus A. C.; and Simons, August L. H., 4,842,894, Cl. 427-65.000.
Lindenmeier, Karl-Heinz G.; and Flachenecker, Gerhard, 4,876,743, Cl. 455-133.000.
Lissenburg, Rokus C. D.; and Verboven, Paulus J. M., 4,810,915, Cl. 310-37.000.
List, Frans J.; and Phelan, Cathal G., 4,862,417, Cl. 365-200.000.
Littlejohn, David; and Marshall, John, 4,824,241, Cl. 356-36.000.
Lorteije, Jean H. J., 4,860,132, Cl. 360-84.000.
Losel, Walter, 4,816,821, Cl. 323-284.000.
Louiday, Andre E., 4,866,751, Cl. 378-196.000.
Loy, Fernand R.; Perrin, Jean-Claude; and Rollin, Joel, 4,840,465, Cl. 350-421.000.
Lucas, Ian R., 4,811,010, Cl. 340-642.000.
Lucas, Ian R., 4,835,534, Cl. 340-931.000.
Lutz, Georg, 4,837,571, Cl. 341-67.000.
Maan, Nicolaus, 4,796,252, Cl. 369-112.000.
Maan, Nicolaus, 4,818,069, Cl. 350-321.000.
Maas, Henricus G. R., 4,825,267, Cl. 357-23.400.
Maijers, Andries C.; Weekamp, Johannus W.; Van Den Ackerveken, Antonius C. J. C.; and Brink, Jan, 4,841,410, Cl. 361-306.000.
Maisel, Manfred; Kolle, Erich; and Hauenstein, Gerhard, 4,837,850, Cl. 455-58.000.
Maitre, Thierry, 4,835,614, Cl. 307-241.000.
Mannschke, Lothar, 4,813,755, Cl. 350-96.170.
Mannschke, Lothar, 4,838,636, Cl. 350-96.160.
Mannschke, Lothar P., 4,878,728, Cl. 350-96.170.
Marche, Pierre, 4,829,464, Cl. 364-724.070.
Marcus, Stephen M., 4,813,074, Cl. 381-36.000.
Markvoort, Jan A.; Van Alphen, Adrianus J. M.; and Monen, Marinus J. B. M., 4,802,152, Cl. 369-32.000.
Marneffe, Antonius C.; Persoon, Frederik G. A.; and Scholten, Gerard J., 4,849,855, Cl. 361-321.000.
Martens, Jean B. O. S., 4,864,396, Cl. 358-133.000.
Martens, Theodorus G. J. A., 4,835,622, Cl. 358-336.000.
Martiny, Ingo A., 4,797,581, Cl. 307-475.000.
Masson, Jacques L. R.; and Picel, Zdenek, 4,817,028, Cl. 364-753.000.
Matt, Jan P., 4,811,334, Cl. 370-60.000.
Mauge, Jacques, 4,821,270, Cl. 371-47.000.
McGee, Philip J. L., 4,843,602, Cl. 369-44.000.
McKinnon, Graeme C., 4,804,920, Cl. 324-309.000.
McKinnon, Graeme C., 4,814,710, Cl. 324-309.000.
McKinnon, Graeme C., 4,818,941, Cl. 324-309.000.
McKinnon, Graeme C., 4,823,084, Cl. 324-309.000.
McKinnon, Graeme C., 4,843,549, Cl. 364-413.130.
McKinnon, Graeme C.; and Bosiger, Peter, 4,862,083, Cl. 324-309.000.
McKinnon, Graeme C.; and Bosiger, Peter, 4,868,503, Cl. 324-309.000.
Meerman, Wilhelmus C. P. M., 4,857,092, Cl. 65-18.400.
Meermans, Matheus J. M., 4,860,967, Cl. 242-199.000.
Mehlkopf, Antoon F.; and Den Boef, Johannes H., 4,879,514, Cl. 324-309.000.
Meier, Otto; Sadek, Kurt; Sikoronja, Zvonko; and Schroder, Johann, 4,799,364, Cl. 62-342.000.
Mens, Wilhelmus R. M., 4,820,987, Cl. 324-318.000.
Mensies, Otto, 4,801,843, Cl. 313-421.000.
Messiou, Antoine Y., 4,868,391, Cl. 250-353.000.
Mink, Jan, 4,870,650, Cl. 372-46.000.
Modaresse, Francois, 4,868,641, Cl. 358-13.000.
Monnier, Michel J., 4,871,583, Cl. 427-96.000.
Moussie, Michel, 4,835,771, Cl. 370-112.000.
Muilwijk, Dirk, 4,890,302, Cl. 375-80.000.
Mulder, Jakob W., 4,864,407, Cl. 358-213.240.
Mundy, Stephen J.; and Shannon, John M., 4,862,229, Cl. 357-15.000.
Munnig Schmidt, Robert H.; and Bosscha, Geert J., 4,849,681, Cl. 320-13.000.
Munning Schmidt, Robert H.; and Bosscha, Geert J., 4,835,453, Cl. 320-13.000.
Murray, Bruce; Guillou, Louis; and Coutrot, Francoise M. R., 4,797,919, Cl. 380-20.000.
Murray, Bruce, 4,817,143, Cl. 380-20.000.
Murray, Bruce, 4,845,727, Cl. 377-43.000.
Netten, Adriaan; and Vervecken, Karel R., 4,808,877, Cl. 313-25.000.
Neumann, Ernst-Georg H., 4,838,689, Cl. 356-73.100.
Ney, Hermann, 4,813,075, Cl. 381-43.000.
Nicholas, Keith H., 4,851,827, Cl. 340-811.000.
Nicia, Antonius J. A., 4,852,962, Cl. 350-96.200.
Nieuwendijk, Joris A. M.; and Sanders, Georgius B. J., 4,829,581, Cl. [illegible]
Nieuwendijk, Joris A. M.; Nas, Johannes W. T.; Kamphuis, Johannes J. M.; and de Haas, Franciscus C. M., 4,847,908, Cl. 381-202.000.
Nillesen, Antonius H. H. J., 4,809,207, Cl. 364-724.030.
Noll, Joachim J.; Blazek, Vladimir; and Schmitt, Hans-Jurgen, 4,854,701, Cl. 356-73.100.
Nordholt, Ernst H., 4,870,383, Cl. 331-116.00R.
Ochmann, Rudolf; and Zimmermann, Robert H., 4,797,905, Cl. 378-108.000.
Ochmann, Rudolf W.; Stege, Peter; and Zimmermann, Robert H., 4,796,286, Cl. 378-108.000.
Oerlemans, Adrianus C. M.; and Sijstermans, Fransiscus W., 4,816,995, Cl. 364-200.000.
Oldach, Detlef W. K., 4,845,438, Cl. 328-133.000.
Ooms, Leo F., 4,823,048, Cl. 313-6[illegible].000.
Ooms, Leo F. M., 4,849,669, Cl. 313-31[illegible].000.
Ooms, Leo F. M., 4,868,452, Cl. 313-318.000.
Op De Beek, Franciscus J.; Rijnsburger, Johan M.; van Nieuwland, Jacob M.; and Kemna, Johannes W., 4,845,758, Cl. 381-98.000.
Opelt, Christian, 4,868,681, Cl. 358-335.000.
Opheij, Willem G., 4,810,073, Cl. 350-432.000.
Opheij, Willem G., 4,810,871, Cl. 250-201.000.
Opheij, Willem G.; and Cobben, Louis-Marie H., 4,826,270, Cl. 350-3.720.
Opheij, Willem G.; and Braat, Josephus J. M., 4,835,302, Cl. 250-216.000.
Opheij, Willem G., 4,862,447, Cl. 369-270.000.
Opheij, Willem G.; Van Rosmalen, Gerard E.; and Van Engelen, Gerard, 4,864,118, Cl. 250-202.000.
Opheij, Willem G.; Huijser, Arie; and Thomas, Gary E., 4,868,371, Cl. 235-380.000.
Oppenlander, Theodor, 4,807,960, Cl. 350-96.220.
Opschoor, Jan, 4,819,243, Cl. 372-45.000.
Osinski, Kazimierz; and Voors, Ingrid J., 4,885,259, Cl. 437-41.000.
Otzipka, Willi; Koltermann, Horst; Leipnitz, Michael; and Zeug, Gunter, 4,802,081, Cl. 369-136.000.
Overath, Hilde M. A.; Hezemans, Cornelius A.; and Baks, Johannes L., 4,819,221, Cl. 369-50.000.
Overdijk, Dik R.; Bolder, Antonius J. J.; Beirens, Leopold C. M.; and Van Rens, Piet C. [illegible], 4,874,982, Cl. 313-440.000.
Oversluizen, Gerrit; Van Lierop, Joseph G.; and Van Dongen, Anne-Marie A., 4,798,681, Cl. 252-301.40F.
Oversluizen, Gerrit; and Van Dongen, Anne-Marie A., 4,798,76[illegible], Cl. 428-426.000.
Oversluizen, Gerrit; Papanikolau, Emmanuel; and Sperings, Gijsbertus A. C. M., 4,814,105, Cl. 252-301.40F.
Overweg, Johannes A., 4,845,432, Cl. 324-318.000.
Overweg, Johannes A.; and Ham, Cornelis L. G., 4,878,023, Cl. 324-318.000.
Overweg, Johannes A.; and Ham, Cornelis L. G., 4,878,024, Cl. 324-319.000.
Palm, Erich J.; and Meertens, Johannes B., 4,835,060, Cl. 363-21.000.
Pals, Jan A.; and Klinkhamer, Arend J., 4,831,425, Cl. 357-24.000.
Papanikolau, Emmanuel; and Ebben, Leonard T. M., 4,804,422, Cl. 134-28.000.
Paridaens, Cornelius J. H., 4,868,454, Cl. 313-412.000.
Parker, John P.; and Stein, Paul J., 4,864,564, Cl. 370-94.100.
Patillon, Jean-Noel; Gabillard, Bertrand; and Martin, Gerard M., 4,857,974, Cl. 357-22.000.
Patron, Christian S. A. E.; Sowinski, Etienne J.; and Huben, Ar P., 4,884,043, Cl. 331-186.000.
Pauker, Vlad, 4,812,785, Cl. 331-117.0FE.
Paxman, David H.; Slatter, John A. G.; and Coe, David J., 4,881,119, Cl. 357-23.400.
Peek, Hermanus L., 4,877,754, Cl. 437-195.000.
Pelgrom, Marcellinus J. M.; and Duinmaijer, Adrianus C. J., 4,872,011, Cl. 341-150.000.
Pellerin, Daniel, 4,873,689, Cl. 371-37.100.
Pepping, Franz, 4,803,600, Cl. 362-217.000.
Pesque, Patrick R.; and Bonnefous, Odile M. A., 4,803,080, Cl. 128-660.010.
Pesque, Patrick R. A., 4,853,904, Cl. 367-89.000.
Pet, Robert J.; van den Nieuwenhof, Martin M. C. L.; and Dusters, Josephus P. H. M., 4,795,588, Cl. 252-301.40R.
Peters, Joseph H.; and Kanters, Johannes T., 4,837,783, Cl. 375-110.000.
Peters, Petrus J. M., 4,853,586, Cl. 313-422.000.
Petitjean, Gilbert; and Lebourg, Michel, 4,882,504, Cl. 307-296.000.
Pfennings, Leonardus C.; Veendrick, Hendrikus J.; and Van Zanten, Adrianus T., 4,817,090, Cl. 370-112.000.
Pfennings, Leonardus C. M. G., 4,823,319, Cl. 365-189.000.
Pfennings, Leonardus C. M. G., 4,849,943, Cl. 365-230.030.
Pfennings, Leonardus C. M. G.; and Steenhof, Frits A., 4,866,6[illegible], Cl. 359-213.260.
Piber, Herbert; Schmid, Gunther; and Schuhfleck, Johann, 4,813,136, Cl. 30-43.920.
Pijnenburg, Josephus A.; and Van De Pavoordt, Franciscus G. J., 4,870,511, Cl. 360-30.000.
Pluijms, Rene A. M.; Papanikolau, Emmanuel; Jongeling, Leendert B.; and Van Eadonk, Johannes M. A., 4,854,956, Cl. 65-2.000.
Polaert, Remy; and Schorter, Bruno, 4,800,436, Cl. 358-232.000.
Polaert, Remy; and Tissot, Maurice, 4,866,529, Cl. 358-232.000.
Popma, Theo J. A.; and Den Boer, Jacob A., 4,820,926, Cl. 250-486.100.
Prigent, Georges; Besnard, Patrick; and Dupaillon, Jacques, 4,812,946, Cl. 361-150.000.
Prott, Albert; Prendel, Peter W.; Kandler, Wilfried H. K.; and Sandkuhl, Jurgen, 4,825,015, Cl. 174-35.0GC.
Prud'Homme van Reine, Peter R.; and van Ijzendoorn, Leonardus J., 4,86[illegible], Cl. 501-152.000.
Pyndiah, Ramesh; and Gamand, Patrice, 4,845,389, Cl. 307-529.000.

Rabinzohn, Patrick, 4,803,177, Cl. 437-31.000.
Raguet, Philippe, 4,859,929, Cl. 323-316.000.
Rakhodai, Issa; Lefebvre, Serge G.; and Couderc, Pascal, 4,860,100, Cl. 358-148.000.
Ralph, Hugh L., 4,862,228, Cl. 357-4.000.
Rau, Hans, 4,842,639, Cl. 423-342.000.
Rau, Hans; and De Jongh, Petrus F., 4,877,938, Cl. 219-121.590.
Raven, Johannes G., 4,866,523, Cl. 358-167.000.
Richards, Norman D., 4,857,992, Cl. 358-13.000.
Richards, Norman D., 4,858,026, Cl. 358-310.000.
Richards, Norman D., 4,868,764, Cl. 364-518.000.
Ridders, Johannes A. M.; and Reemers, Herman A. J., 4,853,583, Cl. 313-318.000.
Rijckaert, Albert M. A.; and Van Der Kop, Joannes A. E., 4,816,927, Cl. 360-10.200.
Rijpers, Johannes C. N.; and De Vrieze, Henricus M., 4,798,994, Cl. 313-478.000.
Robers, Klaas H. J., 4,825,306, Cl. 360-9.100.
Rocchi, Marc, 4,870,305, Cl. 307-471.000.
Roelandse, Cornelius D.; and Hokkeling, Pieter, 4,856,039, Cl. 378-133.000.
Roelofsma, Johannus J.; and Stijntjes, Theodorus G. W., 4,863,625, Cl. 252-62.590.
Romberg, Hendrik, 4,869,744, Cl. 65-105.000.
Roos, Jan, 4,871,228, Cl. 350-96.250.
Rosebrock, Jens K. J., 4,849,758, Cl. 341-143.000.
Rouws, Petrus L. A., 4,815,065, Cl. 369-77.200.
Roza, Engel, 4,815,102, Cl. 375-4.000.
Roza, Engel, 4,816,771, Cl. 330-149.000.
Roza, Engel, 4,864,640, Cl. 455-260.000.
Roosendaal, Ewoud, 4,853,045, Cl. 148-103.000.
Ruter, Hans-Werner, 4,860,521, Cl. 53-397.000.
Salembier, Philippe; and Lamnabhi, Moustanir, 4,879,729, Cl. 375-104.000.
Sanders, Rudolf; and Rijckaert, Josephus F., 4,823,049, Cl. 313-623.000.
Sanders, Rudolf; and Van Heeswijk, Johannes A.A.M., 4,868,456, Cl. 313-623.000.
Sauerwald, Wilhelm A.; DeWilde, Johannes; Van Eerdewijk, Karel J. E.; Beenker, Franciscus P. M.; and Segers, Marinus T. M., 4,879,717, Cl. 371-22.300.
Savenije, Eustachius P. W., 4,847,995, Cl. 30-34.200.
Sayers, Anthony D., 4,855,744, Cl. 341-116.000.
Schiller, Claude, 4,862,488, Cl. 378-81.000.
Schliemann-Jensen, Lars J.; Engding, Alf E.; and Astrom, Anders F., 4,879,460, Cl. 250-230.00R.
Schmickl, Helfried, 4,882,115, Cl. 361-538.000.
Schmitt, Hans J.; Schmitz, Gunter L.; and Dammann, Hans, 4,859,013, Cl. 350-96.120.
Schmitt, Hans-Jurgen; and Dammann, Hans O. B., 4,859,014, Cl. 350-96.130.
Schnitker, Wolfgang E.; Nover, Michael P. J.; and Appel, Kay, 4,839,775, Cl. 361-402.000.
Schoofs, Franciscus A. C. M., 4,841,564, Cl. 379-413.000.
Schouhamer Immink, Kornelis A., 4,802,190, Cl. 375-38.000.
Schouhamer Immink, Kornelis A.; and Kahlman, Josephus A. H. M., 4,807,257, Cl. 375-106.000.
Schoute, Frederik C., 4,809,31[illegible], Cl. 379-279.000.
Schouwenaars, Hendrikus J.; Dijkmans, Eise C.; and Groeneveld, Dirk W. J., 4,864,215, Cl. 323-312.000.
Schroth, Volkmar; and Levin, Horst, 4,879,529, Cl. 331-14.000.
Schul, Roelof E., 4,817,793, Cl. 206-328.000.
Schurmann, Erich; and Grzesik, Ulrich, 4,877,302, Cl. 350-96.210.
Schwartz, Wolfgang; Warmuth, Otto L.; and Grzyb, Claus D., 4,862,404, Cl. 364-733.000.
Schwarz, Henning; and Weltersbach, Wolfgang, 4,827,153, Cl. 307-80.000.
Seevinck, Evert; De Jager, Willem; and Buitendijk, Pieter, 4,853,645, Cl. 330-255.000.
Seevinck, Evert; De Jager, Willem; and Buitendijk, 4,857,861, Cl. 330-255.000.
Selby, Geoffrey R., 4,876,737, Cl. 455-33.000.
Selle, Daniel; and Bossenot, Philippe, 4,889,821, Cl. 437-31.000.
Selle, Daniel; Bossenot, Philippe; and Rabinzohn, Patrick, 4,889,824, Cl. 437-31.000.
Sempel, Adrianus, 4,871,985, Cl. 331-111.000.
Sempel, Adrianus, 4,877,979, Cl. 307-520.000.
Serin, Giovanni; and Verhoeven, Martinus C. M., 4,829,212, Cl. 313-406.000.
[illegible], Franciscus J. A. M., 4,878,252, Cl. 455-276.000.
Shannon, John M., 4,797,722, Cl. 357-34.000.
Shannon, John M., 4,831,423, Cl. 357-23.400.
Shannon, John M., 4,862,238, Cl. 357-34.000.
Sharpe, Michael R.; and Cooke, Stephen J., 4,832,491, Cl. 356-326.000.
Sharpe, Robin, 4,859,959, Cl. 329-124.000.
Sillen, Cornelis W. M. P., 4,887,177, Cl. 360-120.000.
Simons, Johannes M. M., 4,876,319, Cl. 525-456.000.
Six, Jean-Claude G., 4,866,524, Cl. 358-183.000.
Slingerland, Hendrik N., 4,820,898, Cl. 219-121.120.
Slob, Arie, 4,878,202, Cl. 365-183.000.
Sluyterman, Albertus A. S., 4,823,046, Cl. 313-431.000.
Sluyterman, Albertus A. S., 4,866,336, Cl. 313-431.000.
Sluyterman, Albertus A. S., 4,874,983, Cl. 313-440.000.
Sluyterman, Albertus A. S.; and Vink, Nicolaas G., 4,885,502, Cl. 313-431.000.
Smeulers, Wouter, 4,821,098, Cl. 358-153.000.
Smid, Albert; Akkermans, Antonius H. M.; Benschop, Jozef P. H.; and Rooyackers, Cornelis J. P. M., 4,861,982, Cl. 250-235.000.
Smith, James, 4,845,402, Cl. 313-422.000.
Snijders, Wilfred A. M., 4,800,384, Cl. 340-825.520.
Snoeren, Rudolph M., 4,857,724, Cl. 250-213.0VT.
Soemers, Hermanus M. J. R., 4,803,559, Cl. 358-248.000.
Somers, Gerardus H. J., 4,814,918, Cl. 360-113.000.
Sommen, Petrus C. W.; Claasen, Theodoor A. C. M.; Van Gerwen, Petrus J.; and Kotmans, Hendrik J., 4,807,173, Cl. 364-724.180.
Spaapen, Antonius J.; and van den Broek, Cornelis J., 4,842,635, Cl. 65-108.000.
Span, Francis J., 4,836,520, Cl. 269-322.000.
Span, Francis J.; Hissel, Leopold H.; and Grassens, Leonardus J., 4,885,998, Cl. 108-139.000.
Spanjer, Tjerk G.; and Vrijssen, Gerardus A. H. M., 4,827,184, Cl. 313-450.000.
Speake, John D., 4,839,617, Cl. 333-174.000.
Sprengers, Leo M., 4,825,128, Cl. 315-58.000.
Steenbergen, Christiaan; and Gravesteijn, Dirk J., 4,872,156, Cl. 369-275.000.
Steers, Michel; Courdille, Michel; and Hazan, Jean-Pierre, 4,803,342, Cl. 219-257.000.
Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, 4,870,234, Cl. 219-10.55B.
Steers, Michel; Delmas, Gilles; and Hazan, Jean-Pierre, 4,870,235, Cl. 219-10.55B.
Steers, Michel; Hazan, Jean-Pierre; and Delmas, Gilles, 4,871,891, Cl. 219-10.55B.
Steinbrecher, Jurgen K.; and Schnell, Ulrich, 4,803,420, Cl. 324-64.000.
Steinseifer, Dieter, 4,846,000, Cl. 73-862.470.
Stepien, Andrew T., 4,854,952, Cl. 55-386.000.
Stikvoort, Eduard F., 4,797,845, Cl. 364-724.100.
Straver, Willibrordus G. M. M.; and Nordholt, Ernst H., 4,890,066, Cl. 329-369.000.
Streng, Johannes H., 4,799,265, Cl. 381-116.000.
Sulzbacher, Norbert; and Heinlein, Hans-Jurgen, 4,835,764, Cl. 370-29.000.
Tasto, Manfred; Ranner, Georg; Blasius, Rainer; and Behr, Christian, 4,817,117, Cl. 375-111.000.
Tatsuno, Kimio; Opschoor, Jan; van der Poel, Carolus J.; and Drenten, Ronald R., 4,822,151, Cl. 350-401.000.
Taupin, Dominique; and Vilard, Philippe, 4,860,106, Cl. 358-181.000.
Teuling, Dirk J.; and Hulshof, Jozef J. M., 4,872,055, Cl. 358-148.000.
Teuling, Dirk J. A., 4,871,951, Cl. 315-408.000.
Thillays, Jacques C.; and Vallee, Jean-Claude A., 4,797,715, Cl. 357-17.000.
Thompson-Russell, Kathryn C.; and Black, Roger A., 4,820,225, Cl. 445-43.000.
Thompson-Russell, Kathryn C., 4,859,901, Cl. 313-403.000.
Tietjens, Eduard W., 4,802,281, Cl. 30-43.600.
Tietjens, Eduard W., 4,882,840, Cl. 30-43.600.
Tolner, Harm, 4,798,957, Cl. 250-396.00R.
Tsinberg, Mikhail, 4,873,567, Cl. 358-12.000.
Tsironis, Christos, 4,841,169, Cl. 307-303.000.
Turnbull, Andrew A., 4,806,762, Cl. 250-338.300.
Turnbull, Andrew A., 4,806,763, Cl. 250-338.300.
Vaes, Henricus M. J., 4,860,078, Cl. 357-34.000.
van Alem, Antonius A. M.; and van Rosmalen, Gerard E., 4,796,245, Cl. 369-44.000.
Van As, Hendrik, 4,862,080, Cl. 324-306.000.
Van Beek, Anton, 4,798,480, Cl. 384-114.000.
van Berkel, Cornelis H.; and Seliers, Roelof H. W., 4,845,678, Cl. 365-230.060.
Van Bokestal, Andre M. A.; and Lorrain, Henri L. P., 4,835,370, Cl. 219-544.000.
Van Buul, Marinus C. W., 4,805,079, Cl. 363-56.000.
van de Grift, Robert E. J.; and van der Veen, Martien, 4,812,816, Cl. 341-133.000.
van de Grift, Robert E. J.; and van der Veen, Martien, 4,845,462, Cl. 338-323.000.
Van de Meerakker, Jacobus J. M., 4,821,407, Cl. 29-605.000.
Van Der Avoort, Henricus J. M., 4,872,863, Cl. 445-45.000.
Van Der Borst, Johannes; Valkonet, Lourens; and Vreugdenhil, Frans G., 4,870,281, Cl. 250-374.000.
van der Brug, Gerard J., 4,802,007, Cl. 358-139.000.
van der Eijk, Bart; van de Wiel, Johannes N.; Rongen, Engelbertus; and Wulms, Christiaan J. G. H., 4,874,987, Cl. 3[illegible]-525.000.
Van Der Laak, Henricus J. M.; and Enzlin, Theodoor H., 4,864,120, Cl. 250-214.00A.
Van Der Maaden, Johan, 4,887,354, Cl. 29-868.000.
Van Der Mast, Karel D., 4,823,013, Cl. 250-396.0ML.
van der Meer, Jan, 4,860,125, Cl. 360-13.000.
Van Der Meer, Johannes A., 4,871,329, Cl. 439-594.000.
Van Der Meulen, Peter; and Van Yperen, Gerrit H., 4,814,708, Cl. 324-309.000.
Van Der Meulen, Peter; and Van Liere, Filips, 4,849,698, Cl. 324-309.000.
Van Der Meulen, Peter, 4,873,487, Cl. 324-314.000.
Van Der Molen, Jacobus H., 4,865,034, Cl. 128-355.000.
Van Der Velden, Johny W.; and Diemer, Willem H., 4,831,249, Cl. 250-213.0VT.
Van der Ven, Robert F. L. M., 4,812,704, Cl. 313-402.000.

van der Waal, Jan, 4,866,466, Cl. 354-1.000.
van der Werf, Jan E.; and Biesterbos, Johannes W. M., 4,866,262, Cl. 250-201.000.
Van De Steeg, Martinus J. H., 4,849,814, Cl. 358-213.310.
Van Deuren, Fransiscus H., 4,817,930, Cl. 269-73.000.
van de Ven, Johannes T. A.; and Vermeer, Adrianus J. P. M., 4,810,018, Cl. 294-88.000.
van de Ven, Johannes T. A.; and Vermeer, Adrianus J. P. M., 4,830,420, Cl. 294-86.400.
Van De Weijer, Martinus H. A.; and Eijsermans, Joseph F. R., 4,864,191, Cl. 313-633.000.
Van Dijk, Cornelis D.; Brandsma, Johannes; and De Wild, Willem R., 4,818,210, Cl. 425-411.000.
Van Dongen, Frederik; and Sijbers, Peter J. M., 4,811,391, Cl. 379-387.000.
Van Dongen, Teunis, 4,866,723, Cl. 372-46.000.
Van Driel, Carel-Jan L., 4,839,855, Cl. 364-900.000.
Van Eck, Arnoldus H. M., 4,855,639, Cl. 313-456.000.
Van Esdonk, Johannes; Stoffels, Jacobus; and Peters, Petrus J. M., 4,806,818, Cl. 313-346.00R.
van Gils, Willibrordus J., 4,882,731, Cl. 371-37.600.
Van Gorkom, Gerardus G. P.; and Hoeberechts, Arthur M. E., 4,801,994, Cl. 357-52.000.
Van Gorkom, Gerardus G. P.; and Van 'T Blik, Henri F. J., 4,853,754, Cl. 357-16.000.
Van Gorkom, Gerardus G. P.; Hoeberechts, Arthur M. E.; Van Der Mast, Karel D.; and Tolner, Harm, 4,871,911, Cl. 250-310.000.
van Gorkum, Aart A., 4,806,821, Cl. 313-449.000.
Van Gorkum, Aart A.; Vriens, Leendert; Duwaer, Arne L.; Spruit, Johannes H. M.; and Van Schoonhoven, Alexander R. H., 4,807,014, Cl. 358-65.000.
Van Groningen, Wilhelmus D. H., 4,855,682, Cl. 328-63.000.
Van Heelsbergen, Teunis R., 4,810,968, Cl. 324-322.000.
Van Hout, Henricus M., 4,814,676, Cl. 318-254.000.
van Houwelingen, Dirk; and Warringa, Jozephus J. M., 4,877,996, Cl. 313-592.000.
Van Kemenade, Johannes T. C.; De Hair, Johannes T. W.; and Berns, Everhardus G., 4,800,319, Cl. 313-487.000.
Van Kessel, Henricus J., 4,808,847, Cl. 307-297.000.
Van Lierop, Joseph G.; Bogemann, Arnoldus B. M.; Felder, Willy J. B.; and Huizing, Albert, 4,806,328, Cl. 423-338.000.
Van Meerbergen, Jozef L.; Beenker, Franciscus P. M.; Matterne, Luc L. G.; Huisken, Josephus A.; and Stans, Rudi J. J., 4,866,715, Cl. 371-27.000.
Van Mens, Reinoud; and Turk, Gijsbertus W., 4,857,118, Cl. 148-103.000.
Van Nes, Floris L.; Leopold, Fredrick F.; and Schaffers, Frederik J., 4,864,623, Cl. 381-43.000.
Van Oekel, Jacques J., 4,814,293, Cl. 437-192.000.
Van Rens, Piet C. J.; Van Der Avoort, Henricus J. M.; and Kieschke, Hans G., 4,868,453, Cl. 313-402.000.
van Roermund, Arthur H. M., 4,860,354, Cl. 381-7.000.
Van Roosmalen, Johannes T. C.; Fastenau, Robert H. J.; Koorneef, Jacob; Baan Hofman, Matthijs J.; and Klomp, Johannes T., 4,829,211, Cl. 313-402.000.
Van Rooy, Johannes H. J. M.; and Menting, Johannes M., 4,847,524, Cl. 307-494.000.
Van Rosmalen, Gerard E.; and Kleuters, Wilhelm J., 4,870,508, Cl. 358-342.000.
Van Rosmalen, Gerard E., 4,882,723, Cl. 369-256.000.
Van Sluys, Robert N. J.; and Aldenhoven, Ghislanus M. A. M., 4,817,076, Cl. 369-45.000.
Van Tiel, Antonius H., 4,870,330, Cl. 315-370.000.
Van Tol, Maurits W.; and Buter, Johannes H. A., 4,885,760, Cl. 378-82.000.
Van Trigt, Cornelius H. P., 4,862,356, Cl. 364-300.000.
Van Twist, Robert A. H.; Hopmans, Franciscus P. M.; and Odijk, Eddy A. M., 4,875,207, Cl. 370-85.120.
Van Vaals, Johannes J., 4,857,844, Cl. 324-307.000.
van Veldhuizen, Evert D., 4,887,262, Cl. 370-85.100.
Van Zanten, Pieter; and Mulder, Evert-Jan, 4,823,337, Cl. 369-270.000.
Vary, Peter; and Wellens, Ulrich, 4,868,810, Cl. 370-40.000.
Veendrick, Hendrikus J. M.; Van Der Sanden, Cornelis G. L. M.; and Slob, Arie, 4,820,936, Cl. 307-296.200.
Veenvliet, Hendrik; Verhulst, Antonius G. H.; and Raaymakers, Antonius H. M., 4,807,967, Cl. 350-269.000.
Veenvliet, Hendrik; Raaymakers, Antonius H. M.; Verkerk, Maarten J.; and Witjes, Arnold H., 4,888,201, Cl. 427-38.000.
Veldhuis, Raymond N. J., 4,839,843, Cl. 364-724.110.
Veldhuis, Raymond N. J., 4,876,595, Cl. 358-136.000.
Velzel, Christiaan H. F.; and Kessels, Henricus M. M., 4,850,673, Cl. 350-162.170.
Verhagen, Johannes W. H.; van Rens, Piet C. J.; and Weening, Rienk, 4,832,645, Cl. 445-3.000.
Verlijsdonk, Johannus G.; Smets, Bruno M. J.; and Rutten, Joseph, 4,810,930, Cl. 313-486.000.
Verlijsdonk, Johannus G., 4,827,187, Cl. 313-486.000.
Vermeer, Adrianus J. P. M.; and Van de Ven, Johannes T. A., 4,822,091, Cl. 294-86.400.
Vermeer, Adrianus J. P. M., 4,839,961, Cl. 29-740.000.
Vermeulen, Freddy J., 4,810,993, Cl. 338-162.000.
Versluis, Johannes W., 4,855,987, Cl. 369-112.000.
Verstegen, Judicus M. P. J.; Verlijsdonk, Johannus G.; de Meester, Emiel P. J.; Van de Spijker, Willebrordus H. M. M.; and Verriet, Johannes G., 4,837,481, Cl. 313-486.000.
Vigano, Liliana; Kokkeler, Franciscus; and Fioroli, Mario, 4,857,685, Cl. 219-10.55F.
Visser, Jacob S., 4,873,502, Cl. 333-216.000.
Voeten, Hendrik, deceased; and Jacobus De Haan, Friedrich, administrator, 4,831,490, Cl. 361-523.000.
Vogl, Georg, 4,867,547, Cl. 350-444.000.
Voinis, Sylvie; and Nijboer, Sjoerd, 4,822,536, Cl. 264-22.000.
Voorman, Johannes O., 4,798,982, Cl. 307-490.000.
Voorman, Johannes O.; Snijder, Pieter J.; and Vromans, Johannes S., 4,853,651, Cl. 330-294.000.
Vos, Gerardus J. J.; and Van Mal, Louis J., 4,858,009, Cl. 358-148.000.
Vranken, Roger A., 4,829,401, Cl. 361-380.000.
Vriens, Leendert; Spruit, Johannes H. M.; and Clarke, John A., 4,804,884, Cl. 313-474.000.
Vriens, Leendert, 4,822,144, Cl. 350-339.00F.
Vriens, Leendert, 4,882,617, Cl. 358-60.000.
Vrijssen, Gerardus A. H. M., 4,853,589, Cl. 313-477.00R.
Vrijssen, Gerardus A. H. M.; and Spanjer, Tjerk G., 4,857,797, C 313-450.000.
Vrijssen, Gerardus A. H. M., 4,868,455, Cl. 313-451.000.
Walters, Eckhard, 4,832,454, Cl. 350-332.000.
Walters, Nigel J., 4,843,638, Cl. 455-318.000.
Weekamp, Johannus W.; Fransen, Benedictus C. H.; and van der Ploeg, Hendrik, 4,881,151, Cl. 361-531.000.
Wegener, Armin F., 4,801,887, Cl. 328-26.000.
Wehner, Roderich, 4,801,192, Cl. 350-96.230.
Weick, Gunter; and Windolf, Lothar, 4,845,497, Cl. 341-75.000.
Welles, Petrus W. G., 4,816,907, Cl. 358-148.000.
Welles, Petrus W. G.; and Steenhof, Frits A., 4,851,908, C 358-140.000.
Wenzel, Robert, 4,853,927, Cl. 370-16.000.
Westerhof, Rudolphus H. W. M.; and Willemstein, Ruud A. S. 4,811,388, Cl. 379-229.000.
Whight, Kenneth R., 4,825,266, Cl. 357-13.000.
Whitehead, Martin A., 4,879,029, Cl. 210-198.200.
Widdershoven, Franciscus P., 4,864,377, Cl. 357-23.800.
Wijdenes, Jacob; Ramaker, Johannes M.; and Weening, Cornelis 4,861,699, Cl. 430-321.000.
Wijma, Willem S., 4,807,359, Cl. 30-43.600.
Wijma, Willem S.; Tietjens, Eduard W.; Bakker, Eppe; and Hoekstra, Albert, 4,811,484, Cl. 30-43.600.
Wijtsma, Jorrit, 4,839,513, Cl. 250-504.00R.
Wolber, Jorg, 4,812,906, Cl. 358-149.000.
Wolber, Jorg; and Kroner, Klaus G., 4,868,429, Cl. 307-540.000.
Wolfger, Arno, 4,862,589, Cl. 30-43.000.
Woudsma, Roberto; Chong, David C. H.; McSweeney, Brian T. Borgers, Stephanus M. C.; and Habraken, Egidius A. P. 4,881,192, Cl. 364-725.000.
Wouters, Henricus H. B.; and van Dommelen, Joannes H. J. 4,795,511, Cl. 156-73.100.
Zandveld, Frederik; and Van Der Vliet, Peter C. L., 4,841,474, C 364-900.000.
Zeile, Henrich; and Sauermann, Heinz, 4,862,248, Cl. 357-79.000.
Zieren, Victor, 4,809,111, Cl. 360-125.000.
Zimmer, Gunther A. H.; Braune, Dirk H.; and Kaplinsky, Cecil H. 4,853,845, Cl. 364-200.000.
Zuiderveld, Karel J.; and Romeny, Ter H. B. M., 4,870,692, C 382-6.000.
Zwier, Jan, 4,890,031, Cl. 313-409.000.
Zwijnenburg, Jan, 4,824,320, Cl. 414-744.300.
U.S. Philips Ltd.: *See—*
  Van Vaals, Johannes J., 4,876,507, Cl. 324-307.000.
United States Pipe and Foundry Company: *See—*
  Codding, Charles N., III; Rhodes, George F.; and McGrath, Philip I., Jr., 4,871,197, Cl. 285-231.000.
  Jones, Lawrence S., 4,867,488, Cl. 285-328.000.
  Malizio, Andrew B.; and Jennings, Robert W., 4,832,084, C 138-140.000.
U.S. Plastics Corporation: *See—*
  Bocson, David A.; and Norkey, Phillip J., 4,846,506, Cl. 285-4.000.
U.S. Precision Lens, Incorporated: *See—*
  Betensky, Ellis I., 4,801,196, Cl. 350-432.000.
  Betensky, Ellis I., 4,815,831, Cl. 350-432.000.
U.S. Printcra[illegible]: *See—*
  Talalay, Anselm; and Borsvold, Herbert H., 4,874,454, Cl 156-359.000.
U.S. Product Development Company: *See—*
  Adell, Robert, 4,796,386, Cl. 49-462.000.
  Adell, Robert, 4,803,810, Cl. 49-462.000.
  Adell, Robert, 4,838,004, Cl. 52-718.100.
U.S. Products Co.: *See—*
  Brown, Leland C., Jr.; Jones, Neil A.; and Pindell, Ferris 4,803,792, Cl. 42-95.000.
U.S. Products, Inc.: *See—*
  Gurstein, Bernard; and Gurstein, Russell S., 4,803,466, C 340-603.000.
U.S. Protectors, Inc.: *See—*
  Dunning, Brian; and Mansfield, A. R., 4,872,084, Cl. 361-232.000.
U.S. Sound, Inc.: *See—*
  Henricksen, Clifford; and Lemon, John, 4,811,403, Cl. 381-87.000.
  Lemon, John, 4,862,508, Cl. 381-156.000.

United States Surgical Corporation: *See—*
  Green, David T.; and Sienkiewicz, Henry R., 4,802,614, Cl. 227-19.000.
  Green, David T., 4,819,853, Cl. 227-19.000.
  Green, David T., 4,821,939, Cl. 227-19.000.
  Green, David T.; and Aranyi, Ernie, 4,869,414, Cl. 227-19.000.
  Green, David T.; and Aranyi, Ernest, 4,881,544, Cl. 227-178.000.
  Isaacs, Jack L.; and Zvenyatsky, Boris, 4,881,545, Cl. 227-178.000.
  Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,839,130, Cl. 264-235.000.
  Kaplan, Donald S.; Hermes, Matthew E.; Muth, Ross R.; and Kennedy, John J., 4,844,854, Cl. 264-235.000.
United States Tennis Association Incorporated: *See—*
  Hass, Hyman, 4,876,658, Cl. 364-550.000.
U.S. Textiles Corporation: *See—*
  Lengers, Hans L., 4,797,967, Cl. 15-227.000.
U.S. Tool & Die, Inc.: *See—*
  Wachter, William J., 4,889,680, Cl. 376-261.000.
  Wachter, William J.; and Fuierer, Anton A., 4,889,681, Cl. 376-272.000.
U.S. Vanadium Corporation: *See—*
  Gardner, Harry E., 4,816,236, Cl. 423-65.000.
United Steel & Wire Company: *See—*
  Badger, Ronald L.; and Pejakovich, Michael, 4,875,695, Cl. 280-33.993.
  Waterman, Dewey J., 4,883,281, Cl. 280-33.992.
United Stirling AB: *See—*
  Sjostedt, Carl-Goran, 4,832,352, Cl. 277-114.000.
United Stockmen Corporation: *See—*
  Proudfoot, Glenn C., 4,813,490, Cl. 172-378.000.
United Tank Lifting Technologies, Inc.: *See—*
  De Castro, Bruno, 4,807,851, Cl. 254-1.000.
United Technologies: *See—*
  Bluege, John H., 4,887,276, Cl. 372-103.000.
  Foley, John P.; Millas, Gary P.; and Elliott, Daniel L., 4,871,015, Cl. 165-76.000.
  Gilden, Meyer; and Allen, Louis B., Jr., 4,868,894, Cl. 455-617.000.
  McFarlin, David J.; Caruolo, Antonio B.; Minford, Eric; and Prewo, Karl M., 4,870,827, Cl. 62-6.000.
United Technologies Automotive, Inc.: *See—*
  Bare, John H.; Morgan, Howard A.; and Reed, Robert E., 4,865,261, Cl. 242-47.000.
  Basson, Rochford R.; Tinder, David V.; and Wooldridge, George A., 4,882,842, Cl. 29-857.000.
  Bozyk, Richard P.; and Quan, John P., 4,829,713, Cl. 49-506.000.
  Dowd, James D.; Hilborn, David M.; Weilant, Roy; and Lawassani, Abdolhossein R., 4,844,533, Cl. 296-214.000.
  Ellison, Donald E., 4,862,130, Cl. 336-185.000.
  Gutman, Robert F.; and Migrin, Robert, 4,874,224, Cl. 350-174.000.
  Harms, Louis C., 4,873,817, Cl. 56-10.200.
  Kulis, Lawrence J., 4,883,312, Cl. 296-214.000.
  Linden, Gerald E., 4,795,862, Cl. 200-6.00A.
  Maue, H. Winston, 4,802,869, Cl. 439-587.000.
  Maue, H. Winston; Henderson, Brian E.; Szudarek, Robert G.; and Wolanzyk, Thomas C., 4,830,621, Cl. 439-52.000.
  Migrin, Robert S.; and Tinder, David V., 4,814,563, Cl. 200-260.000.
  O'Grady, Thomas R., 4,810,205, Cl. 439-350.000.
  Parker, David A., 4,845,620, Cl. 364-424.050.
  Ratke, Richard; and Ellison, Donald E., 4,887,702, Cl. 192-4.00A.
  Riser, William M.; Gray, Edward W.; and Riser, Terry D., 4,827,241, Cl. 338-172.000.
  Roy, Dhirendra C.; Johnson, Roosevelt; and Balazich, Gregory J., 4,798,545, Cl. 439-677.000.
  Roy, Dhirendra C., 4,836,408, Cl. 220-306.000.
  Roy, Dhirendra C.; and Topolewski, John N., 4,847,733, Cl. 361-427.000.
  Steward, Raymond G.; and Boyd, Stuart G., 4,863,791, Cl. 428-310.500.
  Tinder, David V.; and Wodnicki, Glen G., 4,826,273, Cl. 350-96.100.
  Tinder, David V., 4,883,974, Cl. 307-10.100.
  Vidican, George; Bogovican, Dragon; Herrera, Victor; and Wiersing, Jeffrey, 4,849,585, Cl. 200-61.540.
  Vultaggio, Anthony; and Coffin, David A., 4,885,434, Cl. 200-4.000.
  Wright, James A., 4,862,011, Cl. 307-10.100.
United Technologies Corporation: *See—*
  Altman, Michael P., 4,847,853, Cl. 372-86.000.
  Altman, Michael P., 4,882,735, Cl. 372-86.000.
  Anderson, Neal P.; Giamei, Anthony F.; and Salkeld, Richard W., 4,804,311, Cl. 415-191.000.
  Andrews, Laurance R., 4,827,675, Cl. 51-281.00R.
  Antonellis, Stephen M., 4,846,628, Cl. 416-220.00R.
  Askey, William G.; and Hopkins, Steven M., 4,860,567, Cl. 72-254.000.
  Auxier, Thomas A.; Rannie, James B.; and Field, Robert E., 4,887,663, Cl. 165-47.000.
  Bachinski, Robert A., 4,803,893, Cl. 74-572.000.
  Barbic, John R.; Nichol, Kurt L.; Hibner, David H.; and Szafir, David R., 4,867,655, Cl. 417-407.000.
  Baszczuk, Christopher M.; and Quimby, Bruce A., 4,810,288, Cl. 75-0.50B.
  Benas, Edward P., 4,849,755, Cl. 340-946.000.
  Blackburn, Martin J.; Paulonis, Daniel F.; Caless, Robert H.; and D'Orvilliers, Anne L., 4,820,356, Cl. 148-12.70N.
  Blair, David J.; Izzarelli, Kathy L.; Albetski, Eric J.; and Parent, Cyr J., 4,869,589, Cl. 351-243.000.
  Bluege, John H.; and Sudduth, Curtis A., 4,814,232, Cl. 428-450.000.
  Brace, Michael W.; Fox, Rance B.; and Michel, Marilyn, 4,867,085, Cl. 112-262.100.
  Brennan, John J.; Layden, George K.; and Prewo, Karl M., 4,857,485, Cl. 501-7.000.
  Brodell, Robert F.; and Suciu, Gabriel L., 4,884,950, Cl. 416-174.000.
  Brose, Harlan F.; and Brouillet, Alfred O., 4,822,383, Cl. 55-33.000.
  Brown, Wesley D.; Hill, Edward C.; and Vercellone, Peter T., 4,872,810, Cl. 416-145.000.
  Bruchez, Raymond J., Jr.; Eichhorn, Gunther; and Kiblinger, Elliott C., II, 4,799,623, Cl. 239-265.410.
  Bubello, Robert; and Ream, Jeffrey L., 4,825,644, Cl. 60-39.091.
  Burke, William F.; and Kane, Daniel E., 4,859,142, Cl. 415-116.000.
  Buxe, Paul M., 4,817,455, Cl. 74-573.00R.
  Clark, Jim A., 4,843,825, Cl. 60-756.000.
  Clements, Thomas R., 4,798,048, Cl. 60-261.000.
  Coker, Thomas G.; Fragala, Anthony R.; LaConti, Anthony B.; and Austin, John F., 4,822,544, Cl. 264-104.000.
  Cornell, Robert W., 4,831,920, Cl. 92-258.000.
  Courtney, Daniel P.; and Bailey, Timothy J., 4,867,524, Cl. 350-96.200.
  Courtney, Daniel P.; and Bailey, Timothy J., 4,871,226, Cl. 350-96.170.
  Craig, Preston S.; and Fisher, Jeffrey A., 4,815,782, Cl. 294-119.300.
  Cusack, Michael D., 4,875,138, Cl. 174-52.400.
  Davis, Jack W.; and Brown, Clyde O., 4,888,786, Cl. 372-58.000.
  Defrancesco, Gregory L., 4,829,775, Cl. 62-90.000.
  Dimmick, John H., III; and Jorgensen, Stephen W., 4,887,949, Cl. 411-121.000.
  Donnelly, Brian G.; Gorneault, Gerald J.; and Stearns, Charles F., 4,825,649, Cl. 60-261.000.
  Duchesneau, Jerome G., 4,822,386, Cl. 55-274.000.
  Duhl, David N.; and Schwizer, Frederick A., 4,801,513, Cl. 428-678.000.
  Duhl, David N.; and Chin, Stephen, 4,888,069, Cl. 148-404.000.
  Dyer, Gerald P., 4,809,499, Cl. 60-39.281.
  Dyer, Gerald P., 4,876,880, Cl. 73-32.00R.
  Ealey, Mark A., 4,861,149, Cl. 350-611.000.
  Eder, Matthias; and Kerr, Walter B., 4,802,334, Cl. 60-261.000.
  Eitel, Frederick G.; and Thompson, Charles C., 4,844,603, Cl. 350-611.000.
  Falkmann, Ronald A.; and Levesque, Adelard, Jr., 4,866,980, Cl. 73-117.300.
  Farina, Joseph P., 4,885,475, Cl. 307-261.000.
  Fazio, James A., 4,820,960, Cl. 315-397.000.
  Felix, Bernard R.; and Slosarik, Stephen E., 4,821,511, Cl. 60-255.000.
  Ferguson, T. Arnold; and Seaver, Linda L., 4,804,562, Cl. 427-140.000.
  Ferris, Donald L.; and Byrnes, Francis E., 4,797,064, Cl. 416-134.00A.
  Ferris, Donald L.; Byrnes, Francis E.; and Varholak, Lawrence N., Jr., 4,804,315, Cl. 416-114.000.
  Finegold, Leonard S., 4,817,029, Cl. 364-760.000.
  Fisher, Jeffrey A., 4,865,274, Cl. 244-152.000.
  Fletcher, Keith, 4,854,687, Cl. 350-486.000.
  Formanack, James D.; Biondo, Charles M.; and Rhemer, Chris C., 4,818,833, Cl. 219-10.570.
  Frasca, Thomas, 4,828,441, Cl. 411-183.000.
  Ginnis, Andrew F.; and Larkin, Wesley F., 4,807,996, Cl. 356-347.000.
  Glenn, William H.; Meltz, Gerald, and Snitzer, Elias, 4,807,950, Cl. 350-3.610.
  Glenn, William H., 4,818,102, Cl. 356-43.000.
  Gondar, Robert K.; and Jacobs, Philip J., 4,886,009, Cl. 116-208.000.
  Goodson, Forrest R.; Dudley, Mark E.; and Rudy, Thomas P., 4,854,981, Cl. 149-2.000.
  Gostic, William J.; Khan, Abdus S.; and Murphy, Kenneth S., 4,878,965, Cl. 148-404.000.
  Graff, John M.; Nutter, Harry A., Jr.; and Stoltze, Leon, 4,856,162, Cl. 29-156.80B.
  Grant, John L.; and Strachar, Edward, 4,805,137, Cl. 364-900.000.
  Grantham, Daniel H., 4,879,627, Cl. 361-283.000.
  Grubert, Gordon R.; and Christians, Douglas L., 4,852,637, Cl. 165-40.000.
  Guerty, Harold G., 4,828,173, Cl. 239-1.000.
  Guile, Roy N.; and Peschke, William T., 4,821,512, Cl. 60-270.100.
  Hall, Kenneth B.; Auxier, Thomas A.; and Brown, Wesley D., 4,820,122, Cl. 416-97.00R.
  Hall, Kenneth B., 4,820,123, Cl. 416-97.00R.
  Hall, Kenneth B.; and Landis, Kenneth K., 4,827,587, Cl. 29-156.80B.
  Hall, Kenneth B.; and Landis, Kenneth K., 4,859,147, Cl. 416-97.00R.
  Hansen, Lee E.; and Ulrich, William R., 4,834,613, Cl. 41[illegible]-160.000.
  Hart, Richard A.; Newman, Leon A.; and Kennedy, John T., 4,807,232, Cl. 372-18.000.
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Hartlage, John J., 4,810,079, Cl. 350-636.000.
Herrick, Paul W.; Thayer, Edward B.; and Stewart, Jim D., 4,836,451, Cl. 239-265.270.
Hibyan, Edward S., 4,859,148, Cl. 416-134.00A.
Hockaday, Bruce D., 4,844,128, Cl. 137-828.000.
Hockaday, Bruce D.; and Taylor, Kenneth D., 4,854,219, Cl. 91-367.000.
Hodgens, Henry M., II; and Cellich, William A., 4,834,912, Cl. 252-545.000.
Holladay, Thomas E.; and DuBell, Thomas L., 4,817,389, Cl. 60-739.000.
Hopkins, Steven M.; and Askey, William G., 4,803,880, Cl. 72-354.000.
Hovan, Edward J.; Stephens, Guilford E.; and Peele, Samuel C., 4,820,116, Cl. 415-115.000.
Hufnagel, Nick L., 4,803,756, Cl. 16-252.000.
Hufnagel, Nick L., 4,878,618, Cl. 239-265.390.
Jacaruso, Gary J.; and Leoni, Peter B., 4,853,172, Cl. 264-571.000.
Jarmon, David C.; and Prewo, Karl M., 4,808,076, Cl. 416-230.00A.
Jaworowski, Mark R.; and Gruver, Gary A., 4,886,552, Cl. 134-27.000.
Jenkel, Steven D., 4,864,706, Cl. 29-156.80R.
Jorgensen, Stephen W., 4,878,811, Cl. 416-215.000.
Joyce, Michael J., 4,820,119, Cl. 415-172.00A.
Kamenetz, Jeffry K.; and Simmons, Howard E., 4,845,617, Cl. 364-424.040.
Kennedy, Christopher A., 4,848,081, Cl. 60-261.000.
Kesten, Arthur S.; and Khalifa, H. Ezzat, 4,850,859, Cl. 431-328.000.
Klapproth, Kenneth H.; Blimmel, William C.; and Dinse, Merle L., 4,856,963, Cl. 415-190.000.
Kornitzky, Michael A.; and Dublinski, Alexander C., 4,836,765, Cl. 425-388.000.
Kosowsky, Lester H.; Raber, Peter E.; and Horais, Brian J., 4,797,683, Cl. 343-872.000.
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Kromrey, Robert V., 4,839,392, Cl. 521-45.000.
Kromrey, Robert V., 4,879,073, Cl. 264-22.000.
Kromrey, Robert V., 4,880,688, Cl. 428-141.000.
Krukoski, Leon, 4,825,639, Cl. 60-39.030.
Krukoski, Leon, 4,864,813, Cl. 60-39.290.
Kubick, Frederick W., 4,822,149, Cl. 350-389.000.
Kupersmith, Bertram F.; Herzog, Michael B.; and Fraser, James D., 4,811,287, Cl. 365-52.000.
LaPrad, Richard F.; and Horan, Gary C. 4,845,943, Cl. 60-39.030.
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Larrabee, John R.; Lucas, Arthur W.; and Faucher, Peter A., 4,859,143, Cl. 415-142.000.
Laurello, Vincent P., 4,815,272, Cl. 60-39.750.
Legge, John R.; and Rutherford, Frank C., 4,855,011, Cl. 156-583.100.
Leighton, Robert L., 4,822,974, Cl. 219-121.670.
LeShane, Jeffrey S.; Routsis, Kostas; and Watson, Charles R., 4,815,940, Cl. 416-241.00A.
Levinson, Samuel, 4,808,938, Cl. 328-156.000.
Levy, Alexander H.; and Lipman, Kenneth, 4,797,186, Cl. 204-129.000.
Lomangino, Michael, 4,841,262, Cl. 333-81.00R.
Lopicolo, Mario T.; and Swarts, Richard E., 4,856,332, Cl. 73-505.000.
MacNitt, Donald G.; and Walker, Raymond M.. 4,841,614, Cl. 29-156.80B.
Maeda, Edwin V.; and Black, James R., 4,820,097, Cl. 411-366.000.
Maier, Mark S.; and Eng, Jesse, 4,822,244, Cl. 416-95.000.
Marra, John J., 4,835,827, Cl. 29-156.80R
Mars, Jeffrey R., 4,816,789, Cl. 333-246.000.
Martin, Anthony N., 4,875,168, Cl. 364-431.010.
Matthews, John A.; Zeisser, Melvin H.; and Coburn, Robert E., 4,821,522, Cl. 60-757.000.
McComas, Charles C., 4,889,589, Cl. 156-646.000.
McDow, Robert W., 4,856,962, Cl. 415-115.000.
McElroy, James F., 4,795,683, Cl. 429-13.000.
McElroy, James F., 4,855,193, Cl. 429-30.000.
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McKenzie, Robert D., 4,809,751, Cl. 138-89.000.
McLean, Howard J., 4,878,283, Cl. 29-163.600.
Meltz, Gerald; Glenn, William H.; and Snitzer, Elias, 4,806,012, Cl. 356-32.000.
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Menard, Alan W.; and Turner, Clifford B., 4,879,846, Cl. 51-137.000.
Mendelsohn, Charles, 4,843,281, Cl. 313-587.000.
Moffatt, E. Marston; and Swarts, Richard E., 4,830,577, Cl. 417-45.000.
Molter, Trent M.; and LaConti, Anthony B., 4,818,637, Cl. 429-15.000.
Moore, Thomas A.; Bazydola, Stanley J., Jr.; and Depietro, Richard A., 4,808,072, Cl. 416-5.000.
Murphy, Richard D.; and Fischer, William C., 4,890,284, Cl. 371-9.100.
Nagle, David P., 4,841,628, Cl. 29-723.000.
Naumec, John R.; and Armstrong, Wayne K., 4,850,734, Cl. 403-322.000.
Nelson, Carl W.; Smith, Donald S.; and Turner, Frank P., 4,856,943, Cl. 408-1.00R.
Nighan, William L.; Sauerbrey, Roland A.; and Tittel, Frank K., 4,817,096, Cl. 372-5.000.
Novis, Ari M.; Wright, Stuart C.; and Adams, Don L., 4,816,726, Cl. 318-293.000.
Novis, Ari M.; Adams, Don L.; LaMontagne, Troy J.; and Sivahop, Albert, 4,885,514, Cl. 318-580.000.
Novotny, Rudolph J., 4,813,848, Cl. 416-95.000.
Novotny, Rudolph J., 4,848,182, Cl. 74-573.00R.
Novotny, Rudolph J., 4,878,617, Cl. 239-265.350.
Noyes, Gary P., 4,836,898, Cl. 204-129.000.
O'Connor, Gerald J., 4,879,792, Cl. 29-156.40R.
Olson, Walter E.; Gupta, Dinesh K.; and Milaniak, Michael S., 4,835,011, Cl. 427-253.000.
Paterson, Robert W.; Werle, Michael J.; and Presz, Walter M., Jr., 4,813,635, Cl. 244-130.000.
Paulis, George J.; and Chapkovich, John S., III, 4,848,133, Cl. 73-1.00H.
Perkinson, Robert H.; and Reuter, Charles E., 4,805,658, Cl. 137-81.100.
Peterson, Steven C.; and Kaplan, Aaron, 4,827,713, Cl. 60-226.100.
Pike, Roscoe A., 4,853,300, Cl. 428-702.000.
Pike, Roscoe A.; and Golden, Gerald S., 4,888,079, Cl. 156-319.000.
Poumakis, Demetrius J., 4,841,209, Cl. 318-564.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., 4,815,531, Cl. 165-151.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., 4,830,315, Cl. 244-200.000.
Presz, Walter M., Jr.; Paterson, Robert W.; and Werle, Michael J., 4,835,961, Cl. 60-264.000.
Prewo, Karl M.; Nardone, Vincent C.; and Strife, James R., 4,808,485, Cl. 428-582.000.
Prewo, Karl M.; and Minford, Eric. 4,857,093, Cl. 65-36.000.
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Przybyszewski, John S., 4,851,300, Cl. 428-623.000.
Putman, Robert L.; and Hovan, Edward J., 4,856,272, Cl. 60-39.020.
Raber, Peter E.; and Wisnieff, Robert E., 4,803,402, Cl. 313-509.000.
Radtke, Leland J., 4,825,642, Cl. 60-39.330.
Radtke, Leland J., 4,869,632, Cl. 411-55.000.
Rice, Robert W.; Sweet, David H.; Evans, Charles W.; Wright, Gregory P.; Howlett, James J.; Lappos, Nicholas D.; and Johnston, Mark A., 4,817,046, Cl. 364-551.010.
Roberts, William C., Jr.; and Khalid, Syed J., 4,809,500, Cl. 60-235.000.
Routsis, Kostas, 4,851,093, Cl. 204-146.000.
Rudy, Thomas P.; Goodson, Forrest R.; and Dudley, Mark E., 4,881,994, Cl. 149-109.400.
Rutz, David A.; Lee, Edward; Schaefer, Robert P.; and Johnson, Edward L., 4,802,828, Cl. 416-241.00B.
Sacks, Robert N.; and Tanski, William J., 4,884,001, Cl. 310-313.00A.
Salerno, David C., 4,835,649, Cl. 361-18.000.
Schaefer, Robert P.; Gustafson, Walter F.; Rutz, David A.; and Taylor, Kenneth E., 4,851,188, Cl. 419-19.000.
Schildhorn, Alan W., 4,858,164, Cl. 364-736.000.
Schwarz, Frederick M.; and Candelori, David J., 4,869,640, Cl. 415-115.000.
Scola, Daniel A., 4,801,682, Cl. 528-353.000.
Scola, Daniel A.; and Parker, David J., 4,820,567, Cl. 428-105.000.
Scola, Daniel A., 4,863,640, Cl. 549-241.000.
Shook, Paul S.; and Kane, Daniel E., 4,826,397, Cl. 415-116.000.
Simon, James W., Jr.; and Gorman, Kathleen, 4,889,582, Cl. 148-12.70A.
Smeggil, John G., 4,826,738, Cl. 428-678.000.
Smith, Michael P.; Brown, Edgar E.; and Blackburn, Martin J., 4,842,652, Cl. 148-12.70B.
Smith, Stephen J., 4,878,046, Cl. 340-705.000.
Snyder, Sherman M.; and Brown, Edgar E., 4,888,253, Cl. 428-680.000.
Starke, Roy R., 4,830,519, Cl. 384-485.000.
Steinbach, John, 4,878,979, Cl. 156-285.000.
Stingle, Frederick W.; and Schmidt, Samuel, 4,862,024, Cl. 310-64.000.
Stoltze, Christopher L.; and Parker, Joel E., 4,815,936, Cl. 416-9.000.
Suliga, William G., 4,870,818, Cl. 60-740.000.
Swindal, James L.; and Grantham, Daniel H., 4,883,768, Cl. 437-61.000.
Sziklas, Edward A.; and Benda, John A., 4,841,541, Cl. 372-94.000.
Tarasewich, Anthony; Roberts, Fred J.; and Warner, John L., 4,862,952, Cl. 165-54.000.
Taylor, James J., 4,864,818, Cl. 60-261.000.
Thayer, Edward B.; Scott, Philip R.; and Roach, Thomas A., 4,798,328, Cl. 239-1.000.
Thayer, Edward B.; and Stevens, Herman L., 4,805,401, Cl. 60-226.200.
Thayer, Edward B., 4,819,876, Cl. 239-265.390.
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Thompson, Frank B., 4,872,807, Cl. 415-118.000.
Tiernan, Richard J., Jr., 4,804,288, Cl. 403-24.000.
Titterton, George F., III, 4,824,327, Cl. 416-174.000.

Toner, Thomas J.; and Doolin, Leonard J., 4,818,179, Cl. 416-134.00A.
Toni, Darryl; and Poss, Eliasz, 4,888,451, Cl. 174-94.00R.
Trousdell, Edmund D.; and Kasprow, Robert F., 4,875,830, Cl. 416-215.000.
Trowbridge, John C.; and Breazeale, Jack D., 4,877,649, Cl. 427-215.000.
Tuthill, Richard S.; Long, James M.; Larson, Robert H.; and Clark, Terry A., 4,815,664, Cl. 239-404.000.
Valentine, Peter L., 4,850,801, Cl. 416-205.000.
Vesce, Richard V.; and Reck, Andrew C., 4,800,331, Cl. 323-277.000.
Vine, Raymond W.; Sheffler, Keith D.; and Bevan, Charles E., 4,861,618, Cl. 427-34.000.
Wagner, Thomas R.; Wentzell, Joseph; and Hosey, Wayne, 4,808,218, Cl. 75-0.50C.
Wainauski, Harry S.; and Vaczy, Carol, 4,830,574, Cl. 416-223.00R.
Wainauski, Harry S.; and Vaczy, Carol M., 4,834,617, Cl. 416-242.000.
Walker, Raymond M.; Achor, Donald P.; Baumgarten, Robert W.; and Bogard, Ralph B., 4,873,751, Cl. 29-156.80B.
Walker, Rayond M.; and MacNitt, Donald G., 4,838,069, Cl. 72-342.000.
Ward, Eric J.; Worley, Kevin L.; and Pesyna, Kenneth M., 4,884,748, Cl. 239-265.370.
Werle, Michael J.; Presz, Walter M., Jr.; and Paterson, Robert W., 4,813,633, Cl. 244-130.000.
Wiegand, Walter J., Jr.; and Bullis, Robert H., 4,878,383, Cl. 73-293.000.
Wilson, Gregory S., 4,863,329, Cl. 411-339.000.
Winston, Charles R., 4,850,043, Cl. 455-607.000.
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Wynosky, Thomas A.; Larkin, Michael J.; and Fortmann, William E., 4,864,820, Cl. 60-270.100.
Yarm, Jay M., 4,864,863, Cl. 73-794.000.
Zipps, Robert H.; Lyons, Kent A.; and Griffin, Evans E., 4,798,519, Cl. 416-191.000.

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Ibrahim, Faik K., 4,858,452, Cl. 70-275.000.
Johnston, William N.; and McKnight, Early C., 4,866,294, Cl. 290-38.00R.
Long, Benjamin E., 4,795,932, Cl. 310-154.000.
Thrasher, Robert P., Jr.; and Stinson, Gerald R., 4,885,948, Cl. 74-89.140.

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Armstrong, Maclay M.; Houser, Steven A.; and Armstrong, Jeffrey A., 4,797,095, Cl. 433-22.000.
Cleary, James D., 4,854,864, Cl. 433-7.000.
DuFrenne, Gerald, 4,871,899, Cl. 219-233.000.
Pospisil, Jirina V., 4,820,151, Cl. 433-17.000.

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Dombou, Munehiko; Tomioka, Isao; Kitabatake, Senji; and Nakejima, Hiroshi, 4,886,749, Cl. 435-89.000.
Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.
Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Masaru, Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, 4,806,179, Cl. 148-403.000.
Iida, Takeaki; and Kawabe, Takeshi, 4,812,220, Cl. 204-403.000.
Imahori, Kazutomo; Kondo, Hitoshi; Nakajima, Hiroshi; and Iwasaki, Tatsuo, 4,882,276, Cl. 435-89.000.
Kondo, Hitoshi; and Kageyama, Masao, 4,812,398, Cl. 435-14.000.
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Murase, Shigemitsu; Kakumoto, Kouji; Miyazaki, Shouji; Sugawa, Masaru; and Ide, Mikio, 4,869,958, Cl. 428-364.000.
Nishikawa, Yasuo; and Nakazima, Yasumasa, 4,808,202, Cl. 55-390.000.
Okamoto, Takashi; Yasue, Kenji; Marutani, Takeshi; and Fukushima, Yasumasa, 4,804,707, Cl. 525-66.000.
Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.

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Kelley, Mark, 4,882,533, Cl. 323-313.000.
Neidorff, Robert A., 4,795,961, Cl. 323-314.000.
Neidorff, Robert A., 4,849,656, Cl. 307-360.000.

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Lavallee, Ronald; and Peacock, Thomas C., 4,852,047, Cl. 364-191.000.

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Brockman, Robert T., 4,853,962, Cl. 380-44.000.

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Webb, Wayne A.; and Scearce, Keith D., 4,852,000, Cl. 364-406.000.

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McMillian, Lonnie S., 4,834,661, Cl. 439-512.000.
Nelson, David P.; Harris, Joseph L.; and Polk, Charles E., Jr., 4,852,122, Cl. 375-8.000.
Richards, John C., 4,853,954, Cl. 379-93.000.

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Schweitzer, Ronald D., 4,805,587, Cl. 126-39.00L.

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Rosaen, Lars O., 4,836,021, Cl. 73-259.000.

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Middleton, Jerry L., 4,822,623, Cl. 426-39.000.

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Paterson, Doug F.; and DuPont, Martin, 4,865,315, Cl. 272-130.000.
Stewart, Gary D.; Johnson, Todd M.; Orman, Patricia B.; Lambright, Joseph W.; Orman, Gary M.; and Schwartz, Rodney E., 4,869,497, Cl. 272-129.000.

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Falconer, Donald R.; and Sneddon, James C., 4,875,252, Cl. 16-288.000.

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Bozek, Daryn S., 4,836,017, Cl. 73-155.000.

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Hamilton, Daniel A.; Spowart, James R.; and Porterfield, Richard, 4,838,452, Cl. 221-1.000.
Porterfield, Richard F.; and Biesecker, Douglas A., 4,887,351, Cl. 29-740.000.
Ragard, Phillip A., 4,872,258, Cl. 29-740.000.
Soth, Henry J.; and Scarinzi, Christopher J., 4,814,621, Cl. 250-561.000.
Soth, Henry J., 4,869,393, Cl. 221-1.000.
Soth, Henry J.; and Snyder, Michael D., 4,887,778, Cl. 226-109.000.
Wistrand, Per, 4,812,666, Cl. 250-561.000.
Zemek, Albert W., 4,840,268, Cl. 198-817.000.

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Kuhnert, Gottfried, 4,821,199, Cl. 364-470.000.

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Schimko, Reinhold, 4,819,455, Cl. 66-75.100.

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Pinnow, Douglas A., 4,868,559, Cl. 340-825.310.

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Lafever, Alan W., 4,873,774, Cl. 36-61.000.

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Dain, Lester C.; and Rubin, Steven A., 4,802,064, Cl. 361-519.000.

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Schmidt, Jon C., 4,815,013, Cl. 364-525.000.

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Duggan, John A.; and Gombas, Robert P., 4,811,520, Cl. 49-409.000.
Wissinger, John W., 4,817,344, Cl. 52-35.000.

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Ricchini, John A., 4,858,398, Cl. 52-90.000.

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Landre, Bernard, 4,841,237, Cl. 324-127.000.

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Engel, Darryl L., 4,802,653, Cl. 254-126.000.

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Music, John; Smith, Gordon H.; and Thomas, James L., 4,816,901, Cl. 358-13.000.
Music, John; Smith, Gordon H.; and Thomas, James L., 4,843,466, Cl. 358-133.000.
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Sorbi, Robert T.; Caretta, Antonio; Cavaggioni, Andrea; and Marchesi Gastaldi, Liliana, 4,797,480, Cl. 536-27.000.

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Nofre, Claude; Tinti, Jean M.; and Chatzopoulos, Farroudja O., 4,877,895, Cl. 558-413.000.

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McMullen, Jean N., 4,816,262, Cl. 424-467.000.
Moisan, Michel; and Zakrzewski, Zenon, 4,810,933, Cl. 315-39.000.
Roy, Claude C., 4,826,679, Cl. 424-94.210.

Universite de Paris-Sud: *See—*
Slodzian, Georges; Daigne, Bernard; and Girard, Francois, 4,801,849, Cl. 315-111.810.

Universite de Reims Champagne-Ardenne: *See—*
Egee, Michel; Dartois, Robert; Marx, Jean; Merienne, Etienne; Regalia, Marcel; Poplimont, Philippe; and Van Schel, Etienne, 4,875,175, Cl. 364-551.010.
Troyon, Michel, 4,825,080, Cl. 250-396.00R.

Universite de Sherbrooke: *See—*
Boulos, Maher; and Jurewicz, Jerzy, 4,853,250, Cl. 427-34.000.

  - Lalancette, Jean-Marc; Menard, Hugues; and Potvin, Estelle, 4,886,591, Cl. 204-291.000.
  - Lecomte, Roger, 4,843,245, Cl. 250-367.000.
- Universite de Tours Francois Rabelais: *See—*
  - Martin, Andre; Martin, Andre ; Murat, Jean; and Prulhiere, Jean-Pierre, 4,823,804, Cl. 128-733.000.
- Universite du Maine (Le Mans): *See—*
  - Robin, Jean-Pierre; and Landais, Yannick, 4,873,349, Cl. 549-298.000.
- Universite du Quebec a Trois-Rivieres: *See—*
  - Bose, Tapan K.; and Courteau, Raymond, 4,847,551, Cl. 324-60.00C.
  - Bose, Tapan K.; Chahine, Richard; Marchildon, Louis; and St-Arnaud, Jean-Marie, 4,856,320, Cl. 73-30.000.
- Universite Laval: *See—*
  - Barbery, Gilles; Bouajila, Ahmed; and Soto, Heriban, 4,822,493, Cl. 210-703.000.
  - Belanger, Alain; and Brassard, Paul, 4,835,268, Cl. 540-599.000.
- Universite Paris-Nord: *See—*
  - Bisconte, Jean-Claude, 4,883,642, Cl. 422-66.000.
- Universite Paul Sabatier (Toulouse III): *See—*
  - Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Manoux, Alain; and Tailhades, Philippe, 4,803,291, Cl. 556-31.000.
  - Rousset, Abel; Salvaing, Christiane B.; Mollard, Paul; Gougeon, Michel; and Tailhades, Philippe, 4,808,327, Cl. 252-62.560.
  - Rousset, Abel C.; Boissier, Guy; Jabry, El Hadj; and Caffin, Jean-Pierre, 4,840,925, Cl. 501-1.000.
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  - Hanss, Maxime F., deceased; Guillet, R.; Vassauk, D.; Delatour, Evelyne A. M., legal representative; Hanss, Michel M. L., legal representative; Hanss, Francoise M. N., legal representative; Hanss, Thierry M. L., legal representative; and Hanss, Geraldine B. N., legal representative, 4,835,457, Cl. 324-71.400.
- Universities Research Association Inc.: *See—*
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- University College Cardiff Consulatants Limited: *See—*
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- University College London: *See—*
  - Shiells, Richard A.; and Falk, Gertrude, 4,882,146, Cl. 424-10.000.
- University de Franche-Comte: *See—*
  - Lafon, Jean-Claude; and Gharbi, Tijani, 4,843,623, Cl. 381-68.200.
- University Hospital, The: *See—*
  - Burton, James A., 4,835,253, Cl. 530-330.000.
- University J.E. Purkyne v Brne: *See—*
  - Penaz, Jan, 4,869,261, Cl. 128-667.000.
- University Medical Center, Inc.: *See—*
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- University of Akron: *See—*
  - Farona, Michael F.; and Srinivasan, Ramji, 4,877,917, Cl. 585-416.000.
  - Kennedy, Joseph P., 4,814,405, Cl. 526-348.700.
  - Kennedy, Joseph P.; and Hongu, Yuji, 4,888,389, Cl. 525-131.000.
  - Koser, Gerald F.; and Wettach, Richard H., 4,826,635, Cl. 260-545.00R.
  - Quick, Thomas J., 4,863,593, Cl. 210-136.000.
  - Smith, Daniel J.; and Patel, Sanjay R., 4,889,530, Cl. 604-304.000.
- University of Alabama, The: *See—*
  - Baker, David C.; Hand, Ellis S.; Haugwitz, Rudiger D.; and Narayanan, Venkatachala L., 4,816,468, Cl. 514-344.000.
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  - Witkowski, Francis X.; and Penkoske, Patricia A., 4,847,980, Cl. 29-592.100.
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  - Fisher, Henry D.; McNeil, Kevin M.; Vercillo, Richard; and Lamoreaux, Richard D., 4,833,625, Cl. 364-518.000.
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  - Hermann, Allen M.; and Sheng, Zhengzhi, 4,857,504, Cl. 505-1.000.
  - Langston, Marcus C., 4,814,562, Cl. 250-227.000.
- University of Auckland: *See—*
  - Boys, John T., 4,881,022, Cl. 318-800.000.
- University of Bath: *See—*
  - Davies, David J. G.; Meakin, Brian J.; Rees, John E.; and Staniforth, John N., 4,863,627, Cl. 252-95.000.
  - Henderson, James F.; and Wingham, Philip J., 4,836,122, Cl. 114-243.000.
  - Staniforth, John N., 4,832,880, Cl. 264-22.000.
- University of Birmingham: *See—*
  - Skinner, Gordon R. B.; and Buchan, Alexander, 4,816,250, Cl. 424-89.000.
- University of British Columbia, The: *See—*
  - Al-Mashiki, Shalan A.; and Nakai, Shuryo, 4,849,241, Cl. 426-583.000.
  - Jaeger, Nicolas A. F.; and Young, Lawrence, 4,807,952, Cl. 350-96.140.
  - Lawrence, Peter D.; Mackworth, Alan K.; and Mulligen, Isobel J., 4,826,391, Cl. 414-698.000.
  - Levy, Julia G.; and Liu, Daniel, 4,843,147, Cl. 530-391.000.
  - Levy, Julia G.; Dolphin, David; and Chow, Jack K., 4,883,790, Cl. 540-145.000.
  - Richards, Gregory G.; Cockcroft, Steven L.; Brimacombe, James K.; and Toop, Gerald W., 4,820,340, Cl. 75-24.000.
  - van der Gracht, Peter K.; and Donaldson, Robert W., 4,835,517, Cl. 340-310.00A.
  - Whitehead, Lorne A.; Clark, Robert L.; and Curzon, Francis L., 4,885,783, Cl. 381-191.000.
- University of California, The Regents of the: *See—*
  - Aberth, William, 4,851,669, Cl. 250-281.000.
  - Arakawa, Mitsuaki; and Nichols, Brenda G., 4,855,680, Cl. 324-314.000.
  - Asmus, John F.; and Lovberg, Ralph H., 4,889,605, Cl. 204-157.440.
  - Batzer, Thomas H.; and Call, Wayne R., 4,799,692, Cl. 277-34.000.
  - Beni, Gerardo; Mar, Alan; and Landry, C. John, 4,871,252, Cl. 356-347.000.
  - Bongianni, Wayne L., 4,816,618, Cl. 174-102.00R.
  - Boyd, Gary T.; and Shen, Yuen-Ron, 4,829,505, Cl. 369-94.000.
  - Byers, Charles L.; Loeb, Gerald E.; Merzenich, Michael M.; and Rebscher, Stephen J., 4,819,647, Cl. 128-642.000.
  - Carlson, Joseph W., 4,857,846, Cl. 324-309.000.
  - Carlson, Joseph W., 4,878,022, Cl. 324-318.000.
  - Chua, Leon O.; and Sugawara, Isutomu, 4,819,200, Cl. 364-841.000.
  - Clements, John A., 4,826,821, Cl. 514-78.000.
  - Coldren, Larry A.; Scott, Jeffery W.; and Yan, Ran H., 4,873,696, Cl. 372-96.000.
  - Coldren, Larry A.; and Skidmore, Jay A., 4,874,459, Cl. 156-643.000.
  - Cram, Donald J.; Chapoteau, Eddy; Czech, Bronislaw P.; Gebauer, Carl R.; Helgeson, Roger C.; Kumar, Anand; and Leong, Koon-Wah, 4,859,606, Cl. 436-79.000.
  - Crews, Philip; Matthews, Thomas R.; Quinoa, Emilio; and Adamczeski, Madeline, 4,831,135, Cl. 540-526.000.
  - Crooks, Lawrence E.; and Carlson, Joseph W., 4,820,988, Cl. 324-318.000.
  - Crowe, John H.; and Crowe, Lois M., 4,857,319, Cl. 424-94.100.
  - Deftos, Leonard J.; and Hostetler, Karl Y., 4,837,380, Cl. 424-450.000.
  - Desphandey, Chandra V.; Bunshah, Rointan F.; and Doerr, Hans J., 4,816,291, Cl. 427-38.000.
  - Dolbeare, Frank A.; and Gray, Joe W., 4,812,394, Cl. 435-6.000.
  - Edman, Jeffrey C.; Rutter, William J.; Hallewell, Robert A.; Valenzuela, Pablo D. T.; and Goodman, Howard M., 4,820,642, Cl. 435-252.330.
  - Eger, Edmond I., II; and Johnson, Brynte H., 4,881,541, Cl. 128-203.250.
  - Enoch, Jay M.; and Knowles, Richard A., 4,798,456, Cl. 351-222.000.
  - Garrett, Roger E.; Smith, Nelson E., Jr.; and Mehlschau, James J., 4,806,357, Cl. 427-4.000.
  - Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., 4,837,305, Cl. 530-345.000.
  - Graves, Howard, 4,829,009, Cl. 436-518.000.
  - Hahn, Erwin L.; Clarke, John; Sloater, Tycho; Hilbert, Claude; and Heaney, Michael B., 4,833,392, Cl. 324-57.00R.
  - Hansma, Paul K.; and Sonnenfeld, Richard, 4,800,274, Cl. 250-306.000.
  - Harrison, William H., 4,827,219, Cl. 324-322.000.
  - Hess, Dennis W.; and Brooks, Todd A., 4,863,755, Cl. 427-39.000.
  - Hirschfeld, Tomas B., 4,799,756, Cl. 350-96.180.
  - Hirschfeld, Tomas B.; and Wang, Francis T., 4,803,049, Cl. 422-58.000.
  - Hoenniger, John C., III; and Hosier, Kenneth E., Jr., 4,885,538, Cl. 324-312.000.
  - Holt, J. Birch; Kingman, Donald D.; and Bianchini, Gregory M., 4,877,759, Cl. 501-96.000.
  - Howard, Donald R.; and MacGill, Robert A., 4,801,269, Cl. 439-63.000.
  - Hunt, Anthony C.; and Pidgeon, Charles, 4,882,165, Cl. 424-450.000.
  - Jacobs, Robert S.; and Fenical, William H., 4,849,410, Cl. 514-33.000.
  - Jungerman, John A.; Peck, Neal F.; Hines, Horace H.; and Lagunas-Solar, Manuel, 4,818,468, Cl. 376-195.000.
  - Kaufman, Leon, 4,829,252, Cl. 324-309.000.
  - Kaufman, Leon; and Bragg, Chris, 4,851,778, Cl. 324-309.000.
  - Kaufman, Leon; Arakawa, Mitsuaki; McCarten, Barry M.; Fehn, John H.; and Krasnor, Stephen, 4,881,034, Cl. 324-318.000.
  - Kowel, Stephen T.; Matloff, Norman; and Eldering, Charles, 4,813,772, Cl. 350-338.000.
  - Lee, Garrett, 4,875,897, Cl. 604-283.000.
  - Lemaster, Richard L.; and Dornfeld, David A., 4,831,880, Cl. 73-587.000.
  - Lemaster, Richard L.; and Dornfeld, David A., 4,854,172, Cl. 73-587.000.
  - Lieber, Richard L., 4,838,272, Cl. 128-421.000.
  - Lifson, Jeffrey D.; McGrath, Michael S.; Yeung, Hin-Wing; and Hwang, Kou M., 4,795,739, Cl. 514-8.000.
  - Lindow, Steven E., 4,855,230, Cl. 435-30.000.
  - Lindow, Steven E., 4,877,438, Cl. 71-79.000.
  - Maullem, Shmuel; Sachs, George; and Wheeler, Larry, 4,839,385, Cl. 514-473.000.
  - Michaeli, Dov, 4,808,570, Cl. 514-2.000.
  - Michaeli, Dov, 4,837,024, Cl. 424-446.000.
  - Morcos, N. Charle; and Henry, Walter L., 4,886,831, Cl. 514-456.000.

  - Muller, Richard S.; and Goicolea, Juan I., 4,801,883, Cl. 324-252.000.
  - Muller, Richard S.; and Kim, Eun S., 4,816,125, Cl. 204-192.180.
  - Muller, Richard S.; and Coicolea, Juan I., 4,849,695, Cl. 324-252.000.
  - Palmer, Christopher J.; and Casida, John E., 4,876,274, Cl. 514-452.000.
  - Papahadjopoulos, Demetrios P.; and Heath, Timothy D., 4,806,466, Cl. 435-7.000.
  - Pardridge, William M., 4,801,575, Cl. 514-4.000.
  - Parslow, Tristram G.; and Yamamoto, Keith R., 4,889,802, Cl. 435-69.100.
  - Pedersen, Neils C.; and Yamamoto, Janet, 4,861,720, Cl. 435-238.000.
  - Rose, Jed E., 4,846,199, Cl. 131-329.000.
  - Rutter, William J., 4,859,465, Cl. 424-89.000.
  - Schroth, Milton N.; and Burr, Thomas J., 4,849,008, Cl. 71-77.000.
  - Stauffer, Paul R.; and Satoh, Toru, 4,825,880, Cl. 128-804.000.
  - Terasaki, Paul I.; Loon, Jimmy; Hardiwidjaja, Steven; and El-Awar, Nadim, 4,797,475, Cl. 530-387.000.
  - Thomas, Gareth; Johnson, Sylvia M.; and Dinger, Timothy R., 4,830,800, Cl. 264-65.000.
  - Timberlake, William E.; Hamer, John E.; and Yelton, M. Melanie, 4,816,405, Cl. 435-252.330.
  - Tsien, Roger Yonchien; and Adams, Stephen R., 4,806,604, Cl. 549-439.000.
  - Urist, Marshall R., 4,795,804, Cl. 530-350.000.
  - Urist, Marshall R., 4,857,456, Cl. 435-7.000.
  - Vanderlaan, Martin; Stanker, Larry H.; Watkins, Bruce E.; and Bailey, Nina R., 4,798,807, Cl. 436-548.000.
  - Vasquez, Tony E.; Bridges, Robert L.; Braunstein, Philip; and Jansholt, Anne-Line, 4,851,209, Cl. 424-1.100.
  - Wang, Jing; and Beni, Gerardo, 4,847,786, Cl. 364-518.000.
  - Wei, Edward T.; and Kiang, Juliann G., 4,801,612, Cl. 514-12.000.
  - Weisbart, Richard H., 4,812,397, Cl. 435-7.000.
  - Wudl: Fred; Heeger, Alan; Ikenoue, Yoshiaki; and Kobayashi, Masao, 4,795,242, Cl. 350-357.000.
  - Yao, Ching, 4,837,513, Cl. 324-309.000.
  - Yao, Ching; Hale, James D.; Crooks, Lawrence E.; and Kaufman, Leon, 4,885,542, Cl. 324-313.000.
- University of Central Florida: *See—*
  - Mukherjee, Amar, 4,853,696, Cl. 341-65.000.
- University of Chicago: *See—*
  - Doi, Kunio; and Katsuragawa, Shigehiko, 4,839,807, Cl. 364-413.130.
  - Doi, Kunio; and Kume, Yuichiro, 4,841,555, Cl. 378-99.000.
  - Doi, Kunio; and Katsuragawa, Shigehiko, 4,851,984, Cl. 364-413.230.
  - Fencil, Laura E.; Metz, Charles E.; and Doi, Kunio, 4,875,165, Cl. 364-413.220.
  - Goldberg, Leon I., 4,861,781, Cl. 514-282.000.
  - Yang, Nien-chu C., 4,883,898, Cl. 558-427.000.
- University of Chicago (Arch Development Corp.), The: *See—*
  - Murduck, James M.; Lepetre, Yves J.; Schuller, Ivan K.; and Ketterson, John B., 4,844,989, Cl. 428-698.000.
- University of Cincinnati: *See—*
  - Day, Richard A.; and Wallace, John, 4,855,419, Cl. 540-215.000.
  - Deutsch, Edward A.; and Vanderheyden, Jean-Luc, 4,795,626, Cl. 424-1.100.
  - Deutsch, Edward A., 4,839,467, Cl. 534-10.000.
  - Gluckman, Jack L., 4,840,174, Cl. 128-303.100.
  - Hwang, Sun-Tak; Li, Dong; and Seok, Damon R., 4,828,588, Cl. 55-158.000.
  - Nordlund, James J.; and Rheins, Lawrence A., 4,874,744, Cl. 514-13.000.
  - Subbiah, M. T. Ravi, 4,861,594, Cl. 424-195.100.
  - Willeke, Klaus, 4,846,166, Cl. 128-200.240.
- University of College London: *See—*
  - Smith, David M., 4,819,660, Cl. 128-774.000.
- University of Colorado Foundation, Inc.: *See—*
  - Barnes, Frank S., 4,843,504, Cl. 360-106.000.
  - Clark, Noel A.; Douglas, Kenneth; and Rothschild, Kenneth J., 4,802,951, Cl. 156-630.000.
  - Nishiyama, Randall T.; and Bedard, Alfred J., Jr., 4,838,087, Cl. 73-700.000.
  - Pankove, Jacques I., 4,862,471, Cl. 372-45.000.
  - Walba, David M.; and Razavi, Homaune A., 4,835,295, Cl. 549-557.000.
- University of Connecticut: *See—*
  - Mashikian, Matthew S.; Northop, Robert B.; Bansal, Rajeev; and Nikias, Chrysostomos L., 4,887,041, Cl. 324-533.000.
  - Sung, Chong S. P., 4,885,254, Cl. 436-85.000.
- University of Dayton: *See—*
  - Butler, John M.; Chartoff, Richard P.; and Harvey, James A., 4,855,450, Cl. 548-522.000.
  - Salyer, Ival O., 4,797,160, Cl. 106-96.000.
  - Salyer, Ival O.; and Griffen, Charles W., 4,825,939, Cl. 165-53.000.
- University of Delaware: *See—*
  - Barnett, Allen M.; and Mauk, Michael G., 4,818,337, Cl. 156-659.100.
  - Barnett, Allen M.; and Zolper, John C., 4,876,210, Cl. 437-5.000.
  - Daly, Mary M.; Keown, Robert W.; and Knorr, Dietrich W., 4,808,707, Cl. 536-3.000.
  - Evstatiev, Michail G.; Fakirov, Stoyko C.; and Schultz, Jerold M., 4,842,789, Cl. 264-101.000.
  - Garvey, Margaret M.; and Price, Kent S., Jr., 4,844,015, Cl. 119-4.000.
  - Gelb, Jack, Jr., 4,867,975, Cl. 424-89.000.
  - Ih, Charles C., 4,880,286, Cl. 350-1.100.
  - Roat, Rosette M.; and Yolles, Seymour, 4,855,498, Cl. 564-215.000.
- University of Florida: *See—*
  - Abela, George S., 4,860,743, Cl. 128-303.100.
  - Akins, E. William; and Fitzsimmons, Jeffrey R., 4,817,612, Cl. 128-653.000.
  - Anderson, Wesley R., Jr.; Bodor, Nicholas S.; and Simpkins, James W., 4,863,911, Cl. 514-176.000.
  - Bodor, Nicholas S., 4,824,850, Cl. 514-270.000.
  - Bodor, Nicholas S., 4,829,070, Cl. 514-307.000.
  - Bodor, Nicholas S., 4,880,816, Cl. 514-307.000.
  - Bodor, Nicholas S., 4,880,921, Cl. 540-110.000.
  - Bodor, Nicholas S., 4,888,427, Cl. 546-316.000.
  - Clark, David E.; Dalzell, William J., Jr.; and Adams, Brenda L., 4,801,399, Cl. 252-315.010.
  - Clark, David E.; and Wistrom, Kenneth W., 4,844,848, Cl. 264-43.000.
  - Clark, David E.; and Krabill, Robert H., 4,861,410, Cl. 156-325.000.
  - Drago, Russell S.; and Getty, Edward E., 4,798,667, Cl. 208-117.000.
  - Drago, Russell S.; and Bresinska, Iwona, 4,830,999, Cl. 502-74.000.
  - Drago, Russell S.; and Goldstein, Cindy S., 4,845,064, Cl. 502-64.000.
  - Drago, Russell S.; and Davis, Shannon, 4,885,377, Cl. 556-136.000.
  - Goldberg, Eugene P.; Burns, Jim; Sheets, John W.; Larson, Jeffrey A.; Kumar, Sudesh; and Osborn, David, 4,806,382, Cl. 427-2.000.
  - Goldberg, Eugene P.; Jayakrishnan, A.; and Yalon, Moshe, 4,819,617, Cl. 128-897.000.
  - Hench, Larry L.; and Orcel, Gerard F., 4,849,378, Cl. 501-12.000.
  - Hench, Larry L.; and Orcel, Gerard F., 4,851,150, Cl. 252-315.600.
  - Hench, Larry L.; and Wang, Shi-Ho, 4,851,373, Cl. 501-12.000.
  - Hench, Larry L.; and Lee, Burtrand I., 4,859,525, Cl. 428-260.000.
  - Jaeger, Marc J., 4,844,814, Cl. 210-748.000.
  - Jaeger, Marc J., 4,880,049, Cl. 165-6.000.
  - Koehler, Philip G.; Kramer, Richard; and Patterson, Richard S., 4,857,532, Cl. 514-262.000.
  - Longo, William E.; McCluskey, Richard A.; and Goldberg, Eugene P., 4,871,716, Cl. 514-2.000.
  - Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr.; Hench, Larry L.; and Wilson-Hench, June, 4,851,046, Cl. 106-35.000.
  - McGehee, David D., 4,813,815, Cl. 405-202.000.
  - Moudgil, Brij M.; and Ince, Dursun, 4,814,069, Cl. 209-17.000.
  - Moudgil, Brij M.; and Ince, Dursun, 4,857,174, Cl. 209-3.000.
  - Sloan, Kenneth B., 4,845,081, Cl. 514-232.200.
  - Stacpoole, Peter W.; and Bodor, Nicholas S., 4,801,597, Cl. 514-332.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookheriee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,446, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald; Mookherjee, Braja D., Katz, Ira; and Schrankel, Kenneth R., 4,801,448, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,808,403, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,816,248, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,818,526, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,859,463, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,876,087, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,880,625, Cl. 424-84.000.
  - Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald A.; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,886,662, Cl. 424-84.000.
- University of Florida Research Foundation, Inc.: *See—*
  - Boyle, Michael D. P.; and Yarnall, Michele, 4,883,754, Cl. 435-177.000.
  - Hench, Larry L.; and Lee, Burtrand I., 4,804,731, Cl. 528-24.000.
- University of Georgia Research Center: *See—*
  - McClelland, Michael; and Kessler, Louis G., 4,808,525, Cl. 435-91.000.
- University of Georgia Research Foundation, Inc.: *See—*
  - Chu, Chung K.; and Schinazi, Raymond F., 4,841,039, Cl. 536-29.000.
  - Jensen, Leo S.; and Fancher, Bryan I., 4,818,543, Cl. 426-2.000.
  - Kaswan, Renee, 4,839,342, Cl. 514-11.000.
  - Lipham, Luke B.; Stuedemann, John A.; and Thompson, Frederick N., Jr., 4,880,632, Cl. 424-425.000.
- University of Glasgow, The University Court of the: *See—*
  - Curtis, Adam S. G.; and Wilkinson, Christopher D. W., 4,832,759, Cl. 435-285.000.

- University of Hawaii: *See—*
  - Bonjouklian, Rosanne; Moore, Richard E.; Mynderse, Jon S.; Patterson, Gregory M. L.; and Smitka, Tim A., 4,870,185, Cl. 548-148.000.
  - Greene, Frank C.; Stiles, John I.; Neill, John D.; Anderson, Olin D.; and Litts, James C., 4,826,765, Cl. 435-68.000.
  - Moore, Richard E.; Furusawa, Eiichi; Norton, Ted R.; Patterson, Gregory M. L.; and Mynderse, Jon S., 4,863,955, Cl. 514-450.000.
  - Stuart, W. Dorsey; and Frank, Mark B., 4,865,980, Cl. 435-240.270.
- University of Health Sciences/The Chicago Medical School: *See—*
  - Halfman, Clarke J., 4,816,419, Cl. 436-546.000.
- University of Houston-University Park: *See—*
  - Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., 4,834,484, Cl. 350-96.180.
  - Gorman, Michael A.; Sterling, Mark H.; Kiehn, Robert M.; and Wood, Lowell T., 4,842,393, Cl. 350-432.000.
  - Ophir, Jonathan; and Shattuck, David P., 4,878,500, Cl. 128-660.010.
  - Rabalais, John W.; and Kasi, Srinandan R., 4,822,466, Cl. 204-192.150.
- University of Illinois: *See—*
  - Adrian, Ronald J., 4,866,639, Cl. 364-525.000.
  - Arai, Makoto R.; Gordon, David; and McAlpine, Laura E., 4,832,038, Cl. 128-670.000.
  - Franke, Steven J.; Boesch, Ronald D.; and Magin, Richard L., 4,859,972, Cl. 333-164.000.
  - Gardner, Chester S.; Schroeder, Kirk S.; and Kast, Richard, 4,850,691, Cl. 351-221.000.
  - Holonyak, Nick, Jr.; and Deppe, Dennis, 4,817,103, Cl. 372-45.000.
  - Lyding, Joseph W., 4,841,148, Cl. 250-306.000.
  - Metcalf, Robert L.; and Lampman, Richard L., 4,880,624, Cl. 424-84.000.
  - Morkoc, Hadis; Klem, John, Masselink, William T.; Henderson, Timothy S.; and Ketterson, Andrew A., 4,827,320, Cl. 357-22.000.
  - Morkoc, Hadis; and Fischer, Russ, 4,872,046, Cl. 357-60.000.
  - Ofek, Yoram, 4,864,303, Cl. 341-95.000.
  - Weber, Larry F.; Warren, Kevin W.; and Wood, Mark B., 4,866,349, Cl. 315-169.400.
  - Zeimer, Ran C., 4,883,061, Cl. 128-665.000.
- University of Iowa Research Foundation: *See—*
  - Andersen, David R.; and Cuykendall, Robert R., 4,811,258, Cl. 364-713.000.
  - Linhardt, Robert J.; Merchant, Zohar M.; Weiler, John M.; and Sharath, Murali, 4,847,338, Cl. 536-54.000.
  - Natako, Tatsuaki, 4,794,789, Cl. 73-61.400.
  - Panje, William R., 4,808,183, Cl. 623-9.000.
  - Rosier, Randy N., 4,807,643, Cl. 128-741.000.
  - Schoenwald, Ronald D.; and Barfknecht, Charles F., 4,820,737, Cl. 514-654.000.
  - Schoenwald, Ronald D.; and Chien, Du-Shieng, 4,866,083, Cl. 514-374.000.
  - Wu, Han-Chin; and Xu, Zhiyou, 4,875,375, Cl. 73-795.000.
- University of Kansas: *See—*
  - Borchardt, Ronald T.; and Borcherding, David R., 4,859,677, Cl. 514-261.000.
- University of Keele: *See—*
  - Laine, Derek C.; and Taha, Mohammad I. A., 4,853,935, Cl. 372-32.000.
- University of Kentucky Research Foundation, The: *See—*
  - Chang, Shih-Ling, 4,877,744, Cl. 436-162.000.
  - Day, George B., V; Wells, Larry G.; Smith, Timothy D.; and Ross, Ira J., 4,813,216, Cl. 56-27.500.
  - DeLuca, Patrick P.; Kanke, Motoko; Sato, Toyomi; and Schroeder, Hans G., 4,818,542, Cl. 424-491.000.
  - Edgerton, Lee A.; and Eckerle, Bruce T., 4,870,066, Cl. 514-169.000.
  - Elion, Jonathan L., 4,878,115, Cl. 358-111.000.
  - Hussain, Anwar A.; Dittert, Lewis W.; and Foster, Thomas S., 4,885,287, Cl. 514-159.000.
- University of Liverpool: *See—*
  - Annis, David; and Berry, John P., 4,842,505, Cl. 425-174.80E.
  - Berry, John P.; and Annis, David, 4,883,453, Cl. 600-36.000.
  - Jones, Gordon R., 4,814,601, Cl. 250-226.000.
  - Jones, Gordon R.; Moruzzi, James L.; and Prasad, Akkanapragada N., 4,835,384, Cl. 250-226.000.
- University of Lowell: *See—*
  - Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Richard, 4,804,896, Cl. 318-568.000.
  - Shepard, G. Dudley; Smith, I. Stuart; Christensen, Stephen R.; and Lu, Xiaochuan R., 4,816,727, Cl. 318-568.000.
- University of Maine System: *See—*
  - Hill, Richard C.; and LaBrecque, James C., 4,862,707, Cl. 62-431.000.
- University of Manitoba, The: *See—*
  - Brandes, Lorne J.; and Hermonat, Mark W., 4,803,227, Cl. 514-651.000.
  - Brandes, Lorne J.; and Glavin, Gary B., 4,829,068, Cl. 514-239.200.
  - McLeod, Robert; Card, Howard; Hortensius, Peter; and Pries, Werner, 4,860,236, Cl. 364-717.000.
- University of Maryland, College Park: *See—*
  - Paik, Ho J., 4,841,772, Cl. 73-382.00G.
- University of Massachusetts Medical Center: *See—*
  - Fay, Fredric S.; Fogarty, Kevin E.; and Rodgers, Cyril, 4,859,063, Cl. 356-418.000.
  - Fogarty, Kevin E.; Fay, Fredric S.; Isenstein, Louise M.; and Coggins, James M., 4,884,225, Cl. 364-559.000.
  - Singer, Robert H.; and Lawrence, Jeanne B., 4,888,278, Cl. 435-6.000.
- University of Medicine and Dentistry of New Jersey: *See—*
  - Desjardins, Paul J.; Dunn, Stanley M.; and Milles, Maano, 4,825,263, Cl. 356-376.000.
  - Greco, Ralph S.; Harvey, Richard A.; and Trooskin, Stanley Z., 4,879,135, Cl. 427-2.000.
  - Spillert, Charles R.; Suval, William A.; and Lazaro, Eric J., 4,814,247, Cl. 436-69.000.
  - Spillert, Charles R.; Devereux, Corinne; and Lazaro, Eric J., 4,833,132, Cl. 514-158.000.
- University of Melbourne: *See—*
  - Cameron, Donald W.; Feutrill, Geoffrey I.; and Griffiths, Peter G., 4,822,873, Cl. 536-6.400.
  - Dewhurst, David J.; Ng, Chee W.; Hughes, Murray A.; and Johnson, Donald A. H., 4,829,574, Cl. 381-41.000.
  - Schmalzi, Karl J.; Sharma, Suresh C.; and Christopherson, Richard I., 4,873,228, Cl. 514-49.000.
- University of Miami: *See—*
  - Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, 4,835,146, Cl. 514-176.000.
  - Harrington, William J.; Ahn, Yeon S.; and Mylvaganam, Ravindra, 4,837,212, Cl. 514-176.000.
  - Ryan, James W.; and Chung, Alfred, 4,833,152, Cl. 514-362.000.
  - Weber, Paul; and Hevia, Oscar, 4,828,825, Cl. 424-59.000.
  - Yamamoto, Tokuo; Brown, Michael; Torri, Tsuyoshi; and Berman, Alan, 4,807,199, Cl. 367-15.000.
- University of Michigan, The: *See—*
  - Barry, Daniel T., and Monsanto, Raphael A., 4,805,636, Cl. 128-773.000.
  - Collison, Michael E.; and Meyerhoff, Mark E., 4,834,101, Cl. 128-635.000.
  - Counsell, Raymond E.; Longino, Marc A.; Weichert, Jamey P.; and Schwendner, Susan P., 4,873,075, Cl. 424-1.100.
  - Counsell, Raymond E.; Van Dort, Marcian; and Neubig, Richard, 4,883,649, Cl. 424-1.100.
  - Groves, John T.; and Quinn, Robert, 4,822,899, Cl. 549-533.000.
  - Holland, John H.; and Burks, Arthur W., 4,881,178, Cl. 364-513.000.
  - Koral, Kenneth F.; Rogers, W. Leslie; and Clinthorne, Neal H., 4,839,808, Cl. 364-413.240.
  - Laanen, Craig; and Moler, Frank W., 4,865,027, Cl. 128-200.210.
  - Morris, Michael D.; Pang, Teng-Ke J.; and Peck, Kon[illegible], 4,795,262, Cl. 356-436.000.
  - Mountz, James M.; and Wilson, Mark W., 4,884,566, Cl. 128-303.00B.
  - Rich, Arthur; and Agranoff, Bernard W., 4,853,945, Cl. 377-10.000.
  - Rich, Arthur; and Van House, James C., 4,864,131, Cl. 250-308.000.
  - Rogers, W. Leslie; and Clinthorne, Neal H., 4,852,056, Cl. 364-581.000.
  - Rogers, W. Leslie; Clinthorne, Neal H.; and Hutchins, Gary D., 4,864,140, Cl. 250-369.000.
  - Todd, Robert F., III; Lucchesi, Benedict R.; Simpson, Paul J.; Griffin, James D.; and Schlossman, Stuart F., 4,840,793, Cl. 424-85.800.
  - Varani, James; Solomon, David E.; Hillegas, William J.; and Melmoth, David L., 4,829,004, Cl. 435-296.000.
  - Wise, Kensall D.; and Chau, Hin-Leung, 4,815,472, Cl. 128-675.000.
  - Wise, Kensall D.; and Chau, Hin-Leung, 4,881,410, Cl. 73-724.000.
  - Yang, Victor C., 4,800,016, Cl. 210-206.000.
- University of Michigan-Ann Arbor, The: *See—*
  - Donahue, Francis M.; Simonsen, Leif R.; and Moy, Russell L., 4,882,244, Cl. 429-194.000.
  - Gilgenbach, Ronald M., 4,885,065, Cl. 204-157.600.
- University of Minnesota, Regents of the: *See—*
  - Anderson, Robert K.; Foster, Ruth E.; and Levine, Jeffrey A., 4,838,206, Cl. 119-130.000.
  - Buchsbaum, Donald J.; and Vallera, Daniel A., 4,831,122, Cl. 530-389.000.
  - Carey, James R., 4,885,687, Cl. 364-413.020.
  - Charonis, Aristidis S.; and Furcht, Leo T., 4,870,160, Cl. 530-326.000.
  - Cussler, Edward L., 4,828,701, Cl. 210-634.000.
  - Etter, Margaret C.; Frankenbach, Gayle M.; and Panunto, Thomas W., 4,839,536, Cl. 307-425.000.
  - Franciosi, Alfonso, 4,806,505, Cl. 437-225.000.
  - Franciosi, Alfonso; and Peterman, Douglas J., 4,818,565, Cl. 427-74.000.
  - Gassman, Paul G.; and Singleton, Daniel A., 4,847,392, Cl. 549-430.000.
  - Gladfelter, Wayne L.; Mantell, Daniel R.; Evans, John F.; and Schulze, Roland K., 4,832,986, Cl. 427-248.100.
  - Gravrok, R. J.; and Warner, R. M., Jr., 4,868,904, Cl. 307-443.000.
  - Gravrok, Roger J., 4,853,561, Cl. 307-443.000.
  - Grung, Bernard L.; Warner, Raymond M., Jr.; and Zipperian, Thomas E., 4,868,624, Cl. 357-34.000.
  - Hanson, Richard S.; and Allen, Larry N., 4,824,786, Cl. 435-252.300.
  - Johnson, Dale W.; Cussler, Edward L.; and Trank, Steven J., 4,863,613, Cl. 210-670.000.
  - Kazerooni, Homayoon, 4,884,941, Cl. 414-744.500.
  - Liu, Benjamin Y. H.; and Ahn, Kang H., 4,817,652, Cl. 134-102.000.
  - Liu, Benjamin Y. H.; and Ramsey, James W., 4,875,340, Cl. 62-50.200.

  - Marple, Virgil A., 4,796,475, Cl. 73-863.220.
  - Marple, Virgil A., and Liu, Benjamin Y. H., 4,827,779, Cl. 73-863.220.
  - McCarthy, James B.; and Furcht, Leo T., 4,839,464, Cl. 530-326.000.
  - Michalopoulos, Panos G.; Fundakowski, Richard A.; Geokezas, Meletios; and Fitch, Robert C., 4,847,772, Cl. 364-436.000.
  - Nagasawa, Herbert T.; and Roberts, Jeanette C., 4,868,114, Cl. 435-112.000.
  - Nagasawa, Herbert T.; and Kwon, Chul-Hoon, 4,870,056, Cl. 514-19.000.
  - Orr, Harry T.; and Koller, Beverly H., 4,835,098, Cl. 435-6.000.
  - Pfender, Emil, 4,818,837, Cl. 219-121.510.
  - Portoghese, Philip S., 4,806,556, Cl. 546-44.000.
  - Portoghese, Philip S., 4,816,586, Cl. 544-340.000.
  - Ramalingam, Subbiah; and Chang, Rongfeng, 4,839,011, Cl. 204-192.380.
  - Tarsio, Joseph F.; and Furcht, Leo T., 4,797,473, Cl. 530-387.000.
  - Tatini, Sita R., 4,871,563, Cl. 426-334.000.
  - Tsilibary, Effie C.; and Furcht, Leo T., 4,876,332, Cl. 530-326.000.
  - Vardoulakis, Ioannis G.; and Drescher, Andrzej, 4,825,700, Cl. 73-749.000.
  - Vardoulakis, Ionnis G.; and Drescher, Andrzej, 4,885,941, Cl. 73-794.000.
  - Warner, Raymond M., Jr.; Schrimpf, Ronald D.; and Tuszynski, Alfons, 4,885,615, Cl. 357-22.000.
  - Warwick, Warren J.; and Hansen, Leland G., 4,838,263, Cl. 128-30.200.
  - Wigness, Bruce D.; and Dorman, Frank D., 4,846,806, Cl. 604-175.000.
  - Wood, John M.; and Schallreuter, Karin U., 4,849,346, Cl. 435-25.000.
  - Xu, Jingming; and Shur, Michael, 4,845,541, Cl. 357-34.000.
- University of Mississippi, The: *See—*
  - Elsohly, Mahmoud; Turner, Carlton E.; Murphy, James C.; and Wirth, Phillip W., 4,837,228, Cl. 514-456.000.
  - Hufford, Charles D.; and Clark, Alice M., 4,873,250, Cl. 514-290.000.
- University of Missouri, The Curators of The: *See—*
  - Carpenter, B. Stephen; Horvath, Csaba; and Vogt, Corazon R., 4,830,917, Cl. 428-315.500.
  - Day, Delbert E.; and Ehrhardt, Gary J., 4,889,707, Cl. 424-1.100.
  - Ehrhardt, Gary J., 4,859,431, Cl. 423-2.000.
  - Liapis, Athanasios I.; Findley, Marshall E.; and Nguyen, Hoa T., 4,874,524, Cl. 210-672.000.
  - Logan, K. William; and McFarland, William D., 4,873,632, Cl. 364-413.130.
  - McQuoid, Bryan K.; Charlson, Earl J.; and Graham, Huber, 4,878,226, Cl. 374-166.000.
- University of New Hampshire: *See—*
  - Taft, Charles K.; and Burke, Timothy S., 4,809,730, Cl. 137-82.000.
- University of New Mexico: *See—*
  - Brueck, Steven R. J.; Schaus, Christian F.; Osinski, Marek A.; McInerney, John G.; Raja, M. Yasin A.; Brennan, Thomas M.; and Hammons, Burrell E., 4,881,236, Cl. 372-45.000.
  - Bustamante, Carlos; Husher, Frederick K.; and Beach, David, 4,881,818, Cl. 356-367.000.
  - Lebeck, Alan O., 4,834,400, Cl. 277-236.000.
  - Lebeck, Alan O.; and Young, Lionel A., 4,836,561, Cl. 277-93.0SD.
  - Lebeck, Alan O.; and Young, Lionel A., 4,887,395, Cl. 51-101.00R.
  - McNeil, John R.; and Wilson, Scott P., 4,877,479, Cl. 156-626.000.
  - Robertson, J. Craig, deceased; and Rowland, Mark S., 4,814,623, Cl. 250-390.110.
  - Scully, Marlan O., 4,809,285, Cl. 372-33.000.
  - Wilkins, Ebtisam S., 4,813,424, Cl. 128-635.000.
- University of North Carolina: *See—*
  - Dibianca, Frank A., 4,795,909, Cl. 250-385.100.
  - DiBianca, Frank A., 4,879,469, Cl. 250-374.000.
  - Fuchs, Henry, 4,827,445, Cl. 364-900.000.
- University of North Carolina at Chapel Hill: *See—*
  - DiBianca, Frank A., 4,831,260, Cl. 250-354.100.
  - DiBianca, Frank A., 4,841,152, Cl. 250-374.000.
  - Hutcheson, J. Stanford; Lutz, Richard W.; Obrist, Paul A.; Flaugher, David J.; and Watts, Charles E., 4,889,132, Cl. 128-680.000.
- University of Notre Dame du Lac: *See—*
  - Hsiao, Chi-nung W.; and Miller, Marvin J., 4,845,229, Cl. 548-110.000.
  - Miller, Marvin J., 4,820,815, Cl. 540-200.000.
- University of Oklahoma, The Board of Regents for the: *See—*
  - Magarian, Robert A.; and Pento, Joseph T., 4,879,315, Cl. 514-754.000.
  - Metcoff, Jack, 4,818,516, Cl. 424-9.000.
- University of Otago, The: *See—*
  - Griffin, John F. T., 4,886,655, Cl. 424-2.000.
- University of Pennsylvania, Trustees of the: *See—*
  - Abe, Yoshihiro; and Nocolaou, Kyriacos C., 4,873,024, Cl. 260-405.500.
  - Altschuler, Martin D.; and Whittington, Richard, 4,872,122, Cl. 364-554.000.
  - Bogen, Daniel; and Gupta, Krishanu, 4,877,035, Cl. 128-673.000.
  - Cutler, Winnifred B.; Preti, George; and Huggins, George R., 4,879,244, Cl. 436-65.000.
  - Freedman, Ben Z., 4,843,823, Cl. 60-649.000.
  - Krupin, Theodore; and Stone, Richard A., 4,853,375, Cl. 514-152.000
  - Latour, Robert A., Jr.; and Black, Jonathan, 4,858,473, Cl. 73-805.000.
  - Radin, Alexander; and Wang, Zhirui, 4,845,997, Cl. 73-831.000.
  - Steinberg, Bernard D., 4,855,747, Cl. 342-179.000.
  - Winston, Flaura K.; Thibault, Lawrence E.; and Macarak, Edward J., 4,851,354, Cl. 435-284.000.
- University of Pittsburgh: *See—*
  - Abraham, Donald J.; and Kennedy, Paul E., 4,887,995, Cl. 604-4.000.
  - Ballou, Byron T., 4,798,719, Cl. 424-1.100.
  - Chiarulli, Donald M.; Melhem, Rami; and Levitan, Steven P., 4,883,334, Cl. 350-96.130.
  - Chuang, Henry Y. H.; and He, Guo, 4,799,152, Cl. 364-200.000.
  - Fisher, Abraham; Hanin, Israel; and Abraham, Donald J., 4,795,627, Cl. 424-1.100.
  - Mokotoff, Michael; Liao, Qing-jiang; Wong, Lan; and Zhao, Ming, 4,868,167, Cl. 514-176.000.
  - Sullenberger, Peter C., 4,845,431, Cl. 324-318.000.
  - Youngner, Julius S.; Feingold, David S.; and Keleti, Georg, 4,842,855, Cl. 424-95.000.
- University of Pittsburgh of the Commonwealth System of Higher Education: *See—*
  - Coon, Darryl D.; Karunasiri, Runkiri P.; and Liu, Hui C., 4,873,555, Cl. 357-4.000.
  - Karol, Meryl H.; and Ryan, Lisa K., 4,870,158, Cl. 530-319.000.
  - Smentkowski, Vincent S.; Hagans, Patrick L.; and Yates, John T., Jr., 4,871,526, Cl. 423-659.000.
- University of Queensland, The: *See—*
  - Doelle, Horst W., 4,797,360, Cl. 435-105.000.
  - Millichip, Robyn J., 4,885,241, Cl. 435-42.000.
- University of Reading of Whiteknights House: *See—*
  - Brockway, Barbara E., 4,853,215, Cl. 424-71.000.
  - King, Richard D.; and Brockway, Barbara E., 4,834,765, Cl. 8-128.300.
- University of Rochester: *See—*
  - Caldwell, J. Brian; and Moore, Duncan T., 4,797,376, Cl. 501-12.000.
  - Durnin, James E.; and Eberly, Joseph H., 4,887,885, Cl. 350-162.110.
  - George, Nicholas; and Stone, Thomas W., 4,834,474, Cl. 350-3.650.
  - Graham, Richard S.; Yoneda, Yuko; and Young, Frank E., 4,886,754, Cl. 435-172.300.
  - Hall, Dennis G.; and Brown, Thomas G., 4,827,318, Cl. 357-1.000.
  - Morris, George M., 4,833,633, Cl. 364-717.000.
  - Plewes, Donald B., 4,875,226, Cl. 378-146.000.
  - Taupier, Mary A.; and Lord, Edith M., 4,816,401, Cl. 435-240.310.
  - Violanto, Michael R., 4,826,689, Cl. 424-489.000.
  - Williamson, Steven L., 4,873,485, Cl. 324-96.000.
  - Yoneda, Yuko; and Young, Frank E., 4,801,541, Cl. 435-172.300.
- University of Saskatchewan: *See—*
  - Silversides, David W.; Mapletoft, Reuben J.; Murphy, Bruce D.; and Misra, Virkam, 4,879,112, Cl. 424-85.900.
- University of Sheffield, The: *See—*
  - Diprose, Michael F.; Williams, Edward E.; and Knox-Holmes, Brent, 4,869,016, Cl. 43-124.000.
  - Jones, David N., 4,882,439, Cl. 549-336.000.
- University of South Alabama: *See—*
  - Sikes, C. Steven; and Wheeler, A. P., 4,866,161, Cl. 530-324.000.
  - Sikes, C. Steven; and Wheeler, A. P., 4,868,287, Cl. 530-324.000.
- University of South Carolina: *See—*
  - Dougal, Roger A., 4,868,911, Cl. 328-90.000.
  - McLaurin, A. Porter; Cathey, LeConte; and Jones, Edwin R., Jr., 4,807,024, Cl. 358-88.000.
- University of South Florida: *See—*
  - Bercu, Barry B., 4,844,096, Cl. 128-630.000.
  - Dixon, George J., 4,847,851, Cl. 372-75.000.
- University of Southampton: *See—*
  - Howse, Philip E., 4,820,513, Cl. 424-84.000.
- University of Southern California: *See—*
  - Bass, Michael; and Copley, Stephen M., 4,888,490, Cl. 250-561.000.
  - Forrest, Stephen R., 4,857,982, Cl. 357-30.000.
  - Masri, Sami F.; Dehghanyar, Tejav J.; and Caughey, Thomas K., 4,841,685, Cl. 52-1.000.
  - Nimni, Marcel E., 4,820,724, Cl. 514-396.000.
  - Sadun, Alfredo A.; and Wall, Michael, 4,818,091, Cl. 351-49.000.
  - Sadun, Alfredo A., 4,826,308, Cl. 351-49.000.
  - Wittry, David B., 4,807,268, Cl. 378-84.000.
  - Wittry, David B., 4,882,780, Cl. 378-84.000.
- University of Southern Mississippi, The: *See—*
  - Markham, Lucille; and Bortz, Steven J., 4,843,980, Cl. 110-345.000.
  - Mathias, Lon J.; and Kusefoglu, Selim H., 4,889,948, Cl. 560-181.000.
- University of Southwestern Louisiana: *See—*
  - Carpenter, John F.; Hand, Steven C.; Crowe, John H.; and Crowe, Lois M., 4,806,343, Cl. 424-450.000.
  - Hayatdavoudi, Asadollah, 4,809,791, Cl. 175-40.000.
- University of Strathclyde: *See—*
  - Culshaw, Brian; and Uttamchandani, Deepak G., 4,844,585, Cl. 350-96.290.
  - Pritty, David W.; and Masson, Derek, 4,819,229, Cl. 370-89.000.
  - Waddell, Peter, 4,822,155, Cl. 350-608.000.
- University of Sydney, The: *See—*
  - Campbell, Brian; Foreman, Craig; and Vierboom, Peter, 4,862,814, Cl. 110-264.000.
  - Collins, Richard Pailthorpe, Bernard; and Bourke, Brendan, 4,834,066, Cl. 126-443.000.

  - Green, Wesley F., 4,806,526, Cl. 514-23.000.
  - Roberts, Bryan W.; Fien, Alan R.; and Blackler, John, 4,874,291, Cl. 416-122.000.
  - Schmalzi, Karl J.; Sharma, Suresh C.; and Christopherson, Richard I., 4,873,228, Cl. 514-49.000.
- University of Tennessee Research Corporation, The: *See*—
  - Adcock, James L., 4,855,112, Cl. 422-186.230.
  - Alexandratos, Spiro D.; Danesi, Pier R.; and Horwitz, E. Philip, 4,879,316, Cl. 521-27.000.
  - Alexeff, Igor, 4,818,185, Cl. 417-50.000.
  - Brooks, William R., 4,828,325, Cl. 297-458.000.
  - Dorsett, Preston H., 4,804,624, Cl. 435-5.000.
  - Dorsett, Preston H.; Naegele, Robert F.; and Ratcliffe, Terry S., 4,808,518, Cl. 435-5.000.
  - Green, Wallace H.; and Potgieter, Leon N. D., 4,818,528, Cl. 424-92.000.
  - Huang, Leaf, 4,839,111, Cl. 264-4.600.
  - Keefer, Dennis R., 4,807,990, Cl. 356-28.500.
  - Kennedy, Thomas P.; and Kabalka, George W., 4,806,663, Cl. 549-471.000.
  - Kennedy, Thomas P.; and Kabalka, George W., 4,831,156, Cl. 548-494.000.
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  - Farquhar, David, 4,816,570, Cl. 536-27.000.
  - Ophir, Jonathan; and Shattuck, David P., 4,878,500, Cl. 128-660.010.
  - Pak, Charles Y. C., 4,888,182, Cl. 424-677.000.
  - Saunders, Grady F.; and Mars, Wendy M., 4,857,466, Cl. 435-252.330.
  - Smith, R. Graham, 4,839,289, Cl. 435-240.270.
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  - Morgan, Alan R.; Selman, Steven H.; Garbo, Greta M.; and Keck, Rick W., 4,877,872, Cl. 540-145.000.
  - Raftopoulos, Demetrios D.; and Baril, James D., 4,854,312, Cl. 128-92.0YY.
  - Stuart, Thomas A., 4,853,832, Cl. 363-17.000.
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  - Diosady, Levente L.; Rubin, Leon J.; and Tar, Csaba G., 4,859,371, Cl. 260-412.400.
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  - Lewis, David M., 4,815,024, Cl. 364-802.000.
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  - Moskovits, Martin; and Schmidhalter, Beat, 4,808,279, Cl. 204-28.000.
  - Sandham, H. J.; and Balanyk, Thomas E., 4,883,534, Cl. 106-35.000.
  - Winnik, Mitchell A.; and Borg, Robert M., 4,813,973, Cl. 8-647.000.
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  - Ailion, David C.; Case, Thomas A.; and Ganesan, Krishnamurthy, 4,818,937, Cl. 324-309.000.
  - Deacon, Jim, 4,822,360, Cl. 623-6.000.
  - Giddings, John C., 4,830,756, Cl. 210-739.000.
  - Griffiths, Russell H.; Horch, Kenneth W.; and Stensaas, Larry J., 4,863,668, Cl. 264-512.000.
  - Higuchi, William I.; Fox, Jeffrey L.; and Powell, G. Lynn, 4,877,401, Cl. 433-215.000.
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  - Miller, Jan D.; and Ye, Yi, 4,828,666, Cl. 209-166.000.
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  - Stanley, Theodore H.; and Hague, Brian, 4,863,737, Cl. 424-440.000.
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  - Kolff, Willem J., 4,838,889, Cl. 623-3.000.
  - Kruger, Robert A.; and Sorenson, James A., 4,814,597, Cl. 250-205.000.
  - Ward, Stanley H., 4,875,015, Cl. 324-323.000.
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  - Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., 4,797,393, Cl. 514-188.000.
  - Farrell, Nicholas; Hacker, Miles P.; McCormack, John J.; and DeAlmeida, Sergio G., 4,871,729, Cl. 514-188.000.
  - Gotlieb, Alan R.; and Watson, Alan K., 4,808,207, Cl. 71-73.000.
  - Kuehne, Martin, 4,841,045, Cl. 540-478.000.
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  - Douwens, Robert J.; and Hayward, John S., 4,829,997, Cl. 128-201.130.
  - Leong, Merlin L.; Hayward, John S.; and Fox, Glyn R., 4,863,689, Cl. 422-52.000.
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  - Zielinski, Adam, 4,870,628, Cl. 367-88.000.
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  - Brubaker, Clifford E.; and McLaurin, Colin A., 4,840,076, Cl. 74-143.000.
  - Fry, David M.; and Fry, Sharon A., 4,852,596, Cl. 134-182.000.
  - Guerrant, Richard L.; and Lima, Aldo M., 4,820,714, Cl. 514-297.000.
  - Howard, Matthew A., III; Ritter, Rogers C.; and Grady, M. Sean, 4,869,247, Cl. 128-303.100.
  - Marcus, R. Kenneth; and Harrison, W. W., 4,812,040, Cl. 356-314.000.
  - Mentzer, Robert M., Jr.; Ely, Stephen W.; Lasley, Robert D.; and Berne, Robert M., 4,880,783, Cl. 514-46.000.
  - Mittal, Ravinder K., 4,887,610, Cl. 128-733.000.
  - Potter, Anthony B.; Wilson, John K.; Quackenbush, Kirk; and Dwyer, E. Jane, 4,867,154, Cl. 128-207.170.
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  - Allen, Standish K.; Chaiton, Jonathan A.; and Downing, Sandra L., 4,834,024, Cl. 119-4.000.
  - Bomsztyk, Karol, 4,816,131, Cl. 204-403.000.
  - Honigs, David E.; Perkins, Jonathan H.; and Tenge, Bradley J., 4,847,066, Cl. 424-7.100.
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  - Burgess, J. Stuart; Spink, Donald R.; and Stein, Jerry Y., 4,865,817, Cl. 422-168.000.
  - Mark, Jon W., 4,864,576, Cl. 370-85.400.
  - Rempel, Garry L.; Mohammadi, Navroz A.; and Farwaha, Rajeev, 4,812,528, Cl. 525-338.000.
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  - Trevelyan, James P.; and Whitehead, Andrew M., 4,887,553, Cl. 119-154.000.
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  - Huynh, Van-Minh; and Luk, Francis M., 4,878,114, Cl. 358-106.000.
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  - Birks, John W.; Getty, Julie N.; and Getty, Richard H., 4,847,207, Cl. 436-120.000.
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  - Eidman, Kirk F.; and Walba, David M., 4,797,503, Cl. 558-389.000.
  - Hall, John L.; and Zhu, Miao, 4,856,009, Cl. 372-32.000.
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  - Mayes, Paul E.; and Tanner, David R., 4,823,145, Cl. 343-895.000.
  - Micco, Alexander J., 4,819,652, Cl. 128-661.090.
  - Remers, William A., 4,885,304, Cl. 514-338.000.
  - Remers, William A.; and Sami, Salah M., 4,888,341, Cl. 514-410.000.
  - Selitrennikoff, Claude P., 4,873,196, Cl. 435-254.000.
- Uniweld, Inc.: *See*—
  - Hooper, Anthony W.; and Martel, Andre, 4,805,762, Cl. 198-747.000.
- Unix Corporation Ltd.: *See*—
  - Morimoto, Toru; and Nakagawa, Fumihiro, 4,828,932, Cl. 428-608.000.
  - Morimoto, Toru; and Nakagawa, Fumihiro, 4,834,281, Cl. 228-117.000.
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  - Bleher, J. Hartmut; Gerlicher, Axel T.; Rump, Siegfried M.; and Unkauf, Dieter K., 4,866,651, Cl. 364-748.000.
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  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
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  - Itoh, Yuuzi; and Unno, Hiroaki, 4,868,702, Cl. 361-42.000.
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  - Shirai, Toshio; Ando, Makoto; Unno, Keisuke; and Kobayashi, Toshiharu, 4,819,102, Cl. 360-17.000.
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- Unno, Tetuji: *See*—
  - Horiki, Seinosuke; Makino, Reiji; Ito, Kuninori; and Unno, Tetuji, 4,868,045, Cl. 428-314.400.
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- Uno, Haruhiko: *See*—
  - Wakata, Hideo; Takei, Toshihiro; Hattori, Yoshiyuki; Uno, Haruhiko; and Imoto, Yuzo, 4,836,618, Cl. 303-103.000.
- Uno, Hidehiro: *See*—
  - Fukushima, Shigeyoshi; Uno, Hidehiro; and Mimura, Shigetoshi, 4,798,756, Cl. 428-198.000.
- Uno, Hideo: *See*—
  - Ishiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, 4,828,762, Cl. 260-396.00R.
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- Uno, Hiroshi: *See*—
  - Miura, Tatsuhiko; and Uno, Hiroshi, 4,798,393, Cl. 280-91.000.
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  - Kusumi, Yasuo; Uno, Ken; and Fujino, Takuo, 4,882,827, Cl. 29-527.200.
- Uno, Kohichi: *See*—
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  - Shibahata, Yasuji; Fukunaga, Yukio; Tsubota, Yasumasa; Uno, Takaaki; and Okuyama, Yuji, 4,878,557, Cl. 180-140.000.
- Uno, Takashi: *See*—
  - Nakane, Shinichi; Uno, Takashi; and Asano, Kazutaka, 4,866,633, Cl. 364-510.000.
  - Nakane, Shinichi; Uno, Takashi; Horii, Hiroshi; Kato, Shinzo; Namba, Mitsuo; and Uematsu, Reppei, 4,881,948, Cl. 48-192.000.
- Uno, Teruo: *See*—
  - Baba, Yoshio; Uno, Teruo; and Yoshida, Hideo, 4,851,192, Cl. 420-528.000.
- Uno, Tetsuya: *See*—
  - Kato, Masaaki; Uno, Tetsuya; Kobayashi, Masao; and Osuga, Naoto, 4,874,890, Cl. 560-205.000.
  - Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
- Uno, Toru: *See*—
  - Ohtsuki, Tomonari; Igarashi, Yoshiaki; Uno, Toru; and Tanaka, Yoshiaki, 4,843,221, Cl. 235-441.000.
- Uno, Toshihiko: *See*—
  - Asano, Ichiro; and Uno, Toshihiko, 4,817,413, Cl. 73-24.000.
- Uno, Toshio: *See*—
  - Hosono, Yoshimasa; and Uno, Toshio, 4,870,572, Cl. 364-200.000.
- Uno, Toshiyuki: *See*—
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- Uno, Tosio: *See*—
  - Kochi, Masanori; Morikawa, Juichi; Ibe, Makoto; Osada, Toshio; Takizawa, Hitoshi; Kawase, Hideyuki; Nishida, Ikuo; Hanawa, Eiichi; Okabe, Hitoshi; and Uno, Tosio, 4,833,562, Cl. 360-130.240.
- Unoki, Masao: *See*—
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- UNR, Inc.: *See*—
  - Welsh, Michael J., 4,841,693, Cl. 52-197.000.
- Unroe, Marilyn R.: *See*—
  - Reinhardt, Bruce A.; and Unroe, Marilyn R., 4,871,712, Cl. 562-473.000.
- Unruh, Jerry D.: *See*—
  - Koprowski, Robert J.; and Unruh, Jerry D., 4,847,423, Cl. 568-462.000.
- Unruh, Leif A.: *See*—
  - Rubbmark, Jan R.; Unruh, Leif A.; Bjernstad, Bjorn L. G.; Olsson, Nils E. H.; and Gerlach, Mariusz, 4,810,957, Cl. 324-61.00R.
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  - Weber, Helmut; Unsoeld, Eberhard; Ruesch, Heinz; and Schmitt, Klaus, 4,862,887, Cl. 128-303.100.
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- Unterberger, Werner. Bowling pin base. 4,865,320, 9-12-89, Cl. 273-182.00B.
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  - Fogt, Eric J.; Norenberg, Marye S.; Untereker, Darrel F.; and Coury, Arthur J., 4,846,182, Cl. 128-632.000.
- Unterlass, Josef: *See*—
  - Florian, Heinz; Unterlass, Josef; Zettl, Franz; Ramler, Johann; Kelz, Gerhard; and Moshammer, Anna, 4,819,128, Cl. 361-321.000.
  - Moser, Thomas; Otto, Klaus; Kippenberg, Horst; Ramler, Johann; and Unterlass, Josef, 4,797,780, Cl. 361-321.000.
- Unterleitner, Fred C.: *See*—
  - Kapany, Narinder S.; and Unterleitner, Fred C., 4,846,543, Cl. 350-96.160.
- Unterstein, Klaus: *See*—
  - Grosswendt, Werner; and Unterstein, Klaus, 4,889,030, Cl. 89-1.140.
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  - Arnold, Loren G., 4,828,042, Cl. 172-572.000.
  - Rampe, Donald H.; Turnwald, Dennis J.; and Fanger, Louis D., 4,827,700, Cl. 53-587.000.
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  - Tanaka, Masato; Machida, Syuji; and Uoi, Michitake, 4,833,224, Cl. 526-329.000.

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  - Bakas, Steve T.; and Barger, Paul T., 4,826,801, Cl. 502-64.000.
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  - Bakas, Steve T.; and Barger, Paul T., 4,861,935, Cl. 585-474.000.
  - Bakas, Steve T.; and Barger, Paul T., 4,870,222, Cl. 585-323.000.
  - Barder, Timothy J.; and Johnson, Steven P., 4,849,112, Cl. 210-674.000.
  - Barder, Timothy J., 4,882,065, Cl. 210-674.000.
  - Barger, Paul T.; Thompson, Gregory J.; Herber, Raymond R.; and Imai, Tamotsu, 4,857,666, Cl. 585-323.000.
  - Baumann, William M.; House, David W.; and Scott, Ray V., Jr., 4,847,347, Cl. 528-68.000.
  - Bedard, Robert L.; Vail, Lawrence D.; Wilson, Stephen T.; and Flanigen, Edith M., 4,880,761, Cl. 502-215.000.
  - Behan, Albert S.; Chiang, Robert L.; and Staniulis, Mark T., 4,853,355, Cl. 502-64.000.
  - BeVier, William E.; Fails, Charles F., deceased; and Fails, Virginia N., executor, 4,800,027, Cl. 252-18.000.
  - Bhattacharyya, Alakananda, 4,830,840, Cl. 423-239.000.
  - Burk, Emmett H., Jr.; Yoo, Jin S.; and Radlowski, Cecelia A., 4,883,783, Cl. 502-304.000.
  - Cabrera, Carlos A.; Myers, Daniel N.; and Hammershaimb, Harold U., 4,849,091, Cl. 208-113.000.
  - Cabrera, Carlos A., 4,859,424, Cl. 422-144.000.
  - Calcaterra, Lidia T.; DeFilippi, Louis J.; Childs, Michael E.; and Latos, Edwin J., 4,810,567, Cl. 428-224.000.
  - Cannan, Thomas R., 4,840,779, Cl. 423-328.000.
  - Cetinkaya, Ismail B., 4,881,592, Cl. 165-104.160.
  - Chang, Chin-Hsing, 4,880,920, Cl. 536-127.000.
  - Chao, Chien C.; Sherman, John D.; and Barkhausen, Craig H., 4,822,492, Cl. 210-679.000.
  - Chao, Chien C., 4,859,217, Cl. 55-68.000.
  - Chiang, Robert L.; Perigard, Raymond G.; and Rabo, Jule A., 4,855,036, Cl. 208-120.000.
  - Cottrell, Paul R.; Fritsch, Thomas R.; and Gosling, Christopher D., 4,861,930, Cl. 585-317.000.
  - Doshi, Kishore J.; Werner, Robert G.; and Mitariten, Michael J., 4,863,492, Cl. 55-16.000.
  - Ellig, Daniel L.; and Antos, George J., 4,870,223, Cl. 585-419.000.
  - Faucher, Joseph A., 4,840,777, Cl. 423-229.000.
  - Ferk, Don L.; Schmelzer, Eugene; and Haun, Edward C., 4,885,424, Cl. 585-450.000.
  - Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., 4,851,106, Cl. 208-46.000.
  - Flanigen, Edith M.; Lok, Brent M. T.; Patton, Robert L.; and Wilson, Stephen T., 4,888,167, Cl. 423-306.000.
  - Flank, William H.; Fethke, Walter P., Jr.; and Marte, Julio, 4,818,508, Cl. 423-328.000.
  - Flank, William H.; Wilson, Stephen T.; Marte, Julio C.; and Flanigen, Edith M., 4,861,743, Cl. 502-214.000.
  - Fuderer, Andrija, 4,822,521, Cl. 252-376.000.
  - Gioffre, Anthony J.; and Ross, Ronald J., 4,818,518, Cl. 424-44.000.
  - Gioffre, Anthony J.; and Marcus, Bonita K., 4,826,676, Cl. 424-52.000.
  - Gioffre, Anthony J.; and Marcus, Bonita K., 4,855,154, Cl. 426-417.000.
  - Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., 4,818,739, Cl. 502-67.000.
  - Gortsema, Frank P.; Pellet, Regis J.; Springer, Albert R.; Rabo, Jule A.; and Long, Gary N., 4,857,495, Cl. 502-214.000.
  - Hammershaimb, Harold U.; and Frame, Robert R., 4,835,331, Cl. 585-520.000.
  - Hobbs, Simon H.; and Barder, Timothy J., 4,835,334, Cl. 585-831.000.
  - House, David W.; and Scott, Ray V., Jr., 4,874,831, Cl. 528-48.000.
  - Imai, Tamotsu; and Abrevaya, Hayim, 4,880,764, Cl. 502-326.000.
  - Imai, Tamotsu; and Schmidt, Robert J., 4,886,928, Cl. 585-660.000.
  - Johnson, Russell W.; and Hilfman, Lee, 4,840,722, Cl. 208-95.000.
  - Johnson, Russell W.; Hribik, Walter F.; and Hilfman, Lee, 4,849,095, Cl. 208-254.00H.
  - Johnson, Susan S.; and Goodman, James R., 4,885,207, Cl. 428-403.000.
  - Julian, Scott C.; and Cetinkaya, Ismail B., 4,859,430, Cl. 422-310.000.
  - Kalnes, Tom N.; and James, Robert B., Jr., 4,840,721, Cl. 208-57.000.
  - Kalnes, Tom N.; and James, Robert B., Jr., 4,882,037, Cl. 208-85.000.
  - Knopf, Robert J.; and Theiling, Louis F., Jr., 4,820,673, Cl. 502-167.000.
  - Kocal, Joseph A., 4,835,335, Cl. 585-724.000.
  - Koves, William J., 4,880,604, Cl. 422-220.000.
  - Kubek, Daniel J.; and Kovach, Debra S., 4,814,104, Cl. 252-189.000.
  - Kulprathipanja, Santi, 4,837,315, Cl. 536-127.000.
  - Kulprathipanja, Santi; Oroskar, Anil R.; and Priegnitz, James W., 4,851,573, Cl. 562-580.000.
  - Kulprathipanja, Santi, 4,857,642, Cl. 536-127.000.
  - Kulprathipanja, Santi, 4,880,919, Cl. 536-127.000.
  - Lewis, Jeffrey M. O., 4,814,541, Cl. 585-640.000.
  - Lewis, Jeffrey M. O., 4,849,575, Cl. 585-640.000.
  - Lewis, Jeffrey M. O.; and Henstock, William H., 4,861,938, Cl. 585-640.000.
  - Lewis, Jeffrey M. O.; and Price, Joe B., 4,873,390, Cl. 585-638.00
  - Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,824,554, Cl. 208-46.000.
  - Lok, Brent M.; Cannan, Thomas R.; and Flanigen, Edith M., 4,842,836, Cl. 423-328.000.
  - Lok, Brent M.; Marcus, Bonita K.; and Flanigen, Edith M., 4,846,956, Cl. 208-46.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,801,309, Cl. 55-35.000.
  - Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., 4,822,478, Cl. 208-111.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,869,805, Cl. 208-111.000.
  - Lok, Brent M. T.; Marcus, Bonita K.; and Flanigen, Edith M., 4,880,520, Cl. 208-46.000.
  - Lok, Brent M. T.; Vail, Lawrence D.; and Flanigen, Edith M., 4,882,038, Cl. 208-111.000.
  - Lomas, David A., 4,885,138, Cl. 422-144.000.
  - Long, Gary N.; Pellet, Regis J.; and Rabo, Jule A., 4,803,184, Cl. 502-63.000.
  - Marcus, Bonita K.; and Gioffre, Anthony J., 4,826,497, Cl. 604-359.000.
  - Marcus, Bonita K.; and Lok, Brent M., 4,857,288, Cl. 423-328.00
  - Markovs, John, 4,874,525, Cl. 210-673.000.
  - Martindale, David C., 4,885,420, Cl. 585-322.000.
  - McCauley, John R., 4,818,737, Cl. 502-68.000.
  - McCulloch, Beth, 4,876,390, Cl. 568-34.000.
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,860,584, Cl. 73-336.500.
  - Mercer, William C.; Coughlin, Peter K.; McLeod, Donald, Jr.; and Flanigen, Edith M., 4,876,890, Cl. 73-336.500.
  - Miller, James G.; Pellet, Regis J.; Shamshoum, Edwar S.; and Rabo, Jule A., 4,803,185, Cl. 502-65.000.
  - Miller, James G.; and Rabo, Jule A., 4,874,732, Cl. 502-74.000.
  - Miller, James G.; and Rabo, Jule A., 4,874,733, Cl. 502-74.000.
  - Miller, James G.; Pellet, Regis J.; Shamshoum, Edwar S.; and Rabo, Jule A., 4,889,616, Cl. 208-114.000.
  - Moser, Mark D.; and Lawson, R. Joe, 4,865,719, Cl. 208-139.00
  - Nagji, Moez M.; and Holmes, Ervine S., 4,830,733, Cl. 208-208.00R.
  - Nagji, Moez M.; Holmes, Ervine S.; and Pai, Jenny L., 4,830,734, Cl. 208-208.00R.
  - Nagji, Moez M.; and Trubac, Robert E., 4,876,394, Cl. 568-697.00
  - O'Keefe, Luke F.; Volles, Warren; and Zarchy, Andrew S., 4,831,207, Cl. 585-737.000.
  - Olson, Kurt D., 4,873,325, Cl. 540-536.000.
  - Olson, Kurt D.; and Kaiser, Steven W., 4,874,896, Cl. 564-479.00
  - O'Neill, Patrick S., 4,869,888, Cl. 423-359.000.
  - Pellet, Regis J.; Gortsema, Frank P.; Long, Gary N.; and Rabo, Jule A., 4,804,647, Cl. 502-66.000.
  - Pellet, Regis J.; and Hinchey, Richard J., 4,812,226, Cl. 208-120.000.
  - Pellet, Regis J.; Coughlin, Peter K.; and Rabo, Jule A., 4,814,316, Cl. 502-214.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,842,714, Cl. 208-114.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Staniulis, Mark T.; Long, Gary N.; and Rabo, Jule A., 4,859,314, Cl. 208-114.000.
  - Pellet, Regis J.; Coughlin, Peter K.; Springer, Albert R.; and Gajek, Richard T., 4,861,739, Cl. 502-64.000.
  - Pellet, Regis J.; Rabo, Jule A.; Long, Gary N.; Gortsema, Frank P.; and Springer, Albert R., 4,880,760, Cl. 502-67.000.
  - Rohrbach, Ronald P.; and Scherl, Dale S., 4,865,976, Cl. 435-103.000.
  - Sachtler, J. W.; and Lawson, R. Joe, 4,861,740, Cl. 502-66.000.
  - Sachtler, J. W. Adriaan; and Lawson, R. Joe, 4,873,387, Cl. 585-482.000.
  - Sachtler, J. W. Adriaan; and Lawson, R. Joe, 4,874,731, Cl. 502-66.000.
  - Sachtler, J. W. Adriaan; Lawson, R. Joe; and Lambert, Susan L., 4,886,927, Cl. 585-48.100.
  - Sarna, Michael E., 4,869,809, Cl. 208-311.000.
  - Schmidt, Robert J., 4,834,866, Cl. 208-65.000.
  - Schmidt, Robert J., 4,877,919, Cl. 585-748.000.
  - Sechrist, Paul A.; and Koves, William J., 4,859,643, Cl. 502-37.000.
  - Sechrist, Paul A., 4,872,969, Cl. 208-173.000.
  - Shamshoum, Edwar S., 4,826,804, Cl. 502-214.000.
  - Shamshoum, Edwar S., 4,864,068, Cl. 585-514.000.
  - Skeels, Gary W.; Breck, Donald W., deceased; Breck, Stephen R., heir; and Breck, George D., heir, 4,836,911, Cl. 208-111.000.
  - Staehle, Bruce E.; and Holbrook, David L., 4,828,707, Cl. 210-649.000.
  - Staniulis, Mark T.; Risch, Alan P.; Vassilakis, James G.; and Best, Donald F., 4,867,954, Cl. 423-239.000.
  - Staniulis, Mark T.; and Risch, Alan P., 4,874,590, Cl. 423-239.000.
  - Swamikannu, A. Xavier, 4,880,545, Cl. 210-654.000.
  - Trubac, Robert E., 4,814,517, Cl. 568-697.000.
  - Verson, Ronald L., 4,868,342, Cl. 568-697.000.
  - Vora, Bipin V.; and Scott, Norman H., 4,869,808, Cl. 208-138.000.
  - Wang, Li, 4,885,422, Cl. 585-419.000.
  - Wilson, Stephen; and King, Lisa, 4,851,204, Cl. 423-305.000.
  - Wilson, Stephen T.; Woodard, Naomi A.; and Flanigen, Edith M., 4,799,942, Cl. 55-35.000.
  - Wilson, Stephen T.; and Flanigen, Edith M., 4,801,364, Cl. 208-108.000.
  - Wilson, Stephen T.; and Mercer, William C., 4,853,197, Cl. 423-306.000.
  - Wilson, Stephen T.; Woodard, Naomi A.; and Flanigen, Edith M., 4,861,457, Cl. 208-46.000.
  - Zarchy, Andrew S., 4,831,206, Cl. 585-737.000.
  - Zarchy, Andrew S., 4,831,208, Cl. 585-737.000.
  - Zinnen, Hermann A., 4,827,049, Cl. 568-753.000.
  - Zinnen, Hermann A., 4,864,069, Cl. 585-828.000.
  - Zinnen, Hermann A., 4,886,930, Cl. 585-828.000.
- Or Inc.: *See*—
  - Baumann, William M.; Scott, Ray V., Jr.; House, David W.; and Engel, Dusan J., 4,806,616, Cl. 528-68.000.
  - Bricker, Jeffery C.; and Frame, Robert R., 4,824,818, Cl. 502-163.000.
  - Cetinkaya, Ismail B., 4,861,459, Cl. 208-157.000.
  - Cohn, Michelle J.; Robinson, Delmar W.; and Lawson, R. Joe, 4,810,683, Cl. 502-37.000.
  - Ellig, Daniel L.; and Antos, George J., 4,822,762, Cl. 502-66.000.
  - Frame, Robert R.; and Imai, Tamotsu, 4,795,851, Cl. 585-512.000.
  - Frame, Robert R.; and Barger, Paul T., 4,795,852, Cl. 585-512.000.
  - Greenwood, Arthur R., 4,832,921, Cl. 422-223.000.
  - Herber, Raymond R.; and Thompson, Gregory J., 4,806,624, Cl. 585-440.000.
  - Herber, Raymond R.; and Thompson, Gregory J., 4,827,066, Cl. 585-319.000.
  - Humbach, Michael J.; and Hale, John G., 4,798,665, Cl. 208-61.000.
  - Imai, Tamotsu; Barger, Paul T.; and Eck, Anthony H., 4,795,843, Cl. 585-408.000.
  - Imai, Tamotsu; and Bricker, Jeffery C., 4,812,597, Cl. 585-443.000.
  - Imai, Tamotsu; Abrevaya, Hayim; Bricker, Jeffery C.; and Jan, Deng-Yang, 4,827,072, Cl. 585-443.000.
  - James, Robert B., Jr.; and Kalnes, Tom N., 4,806,233, Cl. 208-262.100.
  - Kalnes, Tom N.; James, Robert B., Jr.; and Staggs, Darrell W., 4,818,368, Cl. 208-50.000.
  - Kocal, Joseph A., 4,795,728, Cl. 502-162.000.
  - Kulprathipanja, Santi, 4,851,574, Cl. 562-580.000.
  - Lengemann, Robert A.; Thompson, Gregory J.; Vickers, Anthony G.; and Mott, Raymond W., 4,859,313, Cl. 208-113.000.
  - Martindale, David C.; Andermann, Ronald E.; and Mowry, John R., 4,795,844, Cl. 585-415.000.
  - Martindale, David C.; Kocal, Joseph A.; and Chao, Tai-Hsiang, 4,795,845, Cl. 585-415.000.
  - Martindale, David C., 4,806,700, Cl. 585-322.000.
  - Neuzil, Richard W.; and Antos, George J., 4,886,929, Cl. 585-828.000.
  - Pujado, Peter R., 4,797,133, Cl. 44-53.000.
  - Sachtler, J. W. Adriaan; and Barger, Paul T., 4,795,550, Cl. 208-307.000.
  - Schmidt, Robert J., 4,795,545, Cl. 208-91.000.
  - Schmidt, Robert J.; Rice, Lynn H.; and Stine, Laurence, 4,804,803, Cl. 585-748.000.
  - Scott, Ray V., Jr.; and House, David W., 4,801,674, Cl. 528-68.000.
  - Staggs, Darrell W.; Stine, Laurence O.; and Chen, Te-yu M., 4,814,064, Cl. 208-50.000.
  - Vora, Bipin V.; and Scott, Norman H., 4,806,695, Cl. 568-697.000.
  - Vora, Bipin V.; Pujado, Peter R.; and Conser, Richard E., 4,816,607, Cl. 568-697.000.
  - Zinnen, Hermann A., 4,797,233, Cl. 260-428.500.
  - Zinnen, Hermann A., 4,827,077, Cl. 585-820.000.
  - Zmich, Joseph; Russ, Michael B.; and Gembicki, Visnja A., 4,795,846, Cl. 585-417.000.
- Uosaki, Yasuo: *See*—
  - Hanakawa, Katsunori; Okazaki, Ken; and Uosaki, Yasuo, 4,863,533, Cl. 148-141.000.
- Uosaki, Yoichi: *See*—
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  - Saito, Hiromitsu; Uosaki, Yoichi; Sato, Akira; Hirata, Tadashi; Morimoto, Makoto; and Ashizawa, Tadashi, 4,879,386, Cl. 544-343.000.
- Uota, Kousaku, to Mitsubishi Denki Kabushiki Kaisha. Defect detector circuit for inductive load driving circuit. 4,814,937, 3-21-89, Cl. 361-154.000.
- Uotani, Kunihiro: *See*—
  - Kato, Toshio; Uotani, Kunihiro; and Ito, Mitsuhiko, 4,872,659, Cl. 271-9.000.
- Uotani, Nobuo: *See*—
  - Yoshida, Haruo; Uotani, Nobuo; and Saida, Yoshihiro, 4,833,231, Cl. 528-423.000.
- Uozu, Hisahiro; Naitoh, Akio; and Numaguchi, Toru, to Toyo Engineering Corporation. Steam reforming apparatus. 4,849,187, 7-18-89, Cl. 422-197.000.
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  - Matsumoto, Tsuruyoshi; Shimada, Katsuhiko; and Uozu, Yoshihiro, 4,836,642, Cl. 350-96.340.
- Uozumi, Koji, to NHK Spring Co., Ltd. Dot matrix print head. 4,798,488, 1-17-89, Cl. 400-124.000.
- Uozumi, Norihira; Amakawa, Koji; Kubota, Yoshiyuki; Miki, Atsushi; and Tsutsumi, Yasuyuki, to Hitachi, Ltd. Fuel cell using liquid electrolyte. 4,808,492, 2-28-89, Cl. 429-34.000.
- UPA Technology, Inc.: *See*—
  - Weiser, Murray; Silverman, William; Landau, Zvi; Finer, Paul; and Pincus, Cary I., 4,860,329, Cl. 378-50.000.
- Upadek, Horst; and Wichelhaus, Winfried, to Henkel Kommanditgesellschaft auf Aktien. Fabric-softening detergent. 4,846,990, 7-11-89, Cl. 252-8.800.
- Upadek, Horst: *See*—
  - von Rybinski, Wolfgang; Upadek, Horst; and Wichelhaus, Winfried, 4,839,066, Cl. 252-8.750.
- Upasani, Chandrashekhar B.: *See*—
  - Bhatt, Girish I.; Kulkarni, Subrao S.; Upasani, Chandrashekhar B.; and Bhatt, Mukundbhai R., 4,816,034, Cl. 8-641.000.
- UPC Games, Inc.: *See*—
  - Muller, Richard W.; and Rosnak, Kenneth R., 4,832,341, Cl. 273-139.000.
- Upchurch, Billy T.; Miller, Irvin M.; Brown, Kenneth G.; Hess, Robert V.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Paulin, Patricia A., to United States of America, National Aeronautics and Space Administration. Reactivation of a tin oxide-containing catalyst. 4,829,035, 5-9-89, Cl. 502-34.000.
- Upchurch, Billy T.; Davis, Patricia A.; and Miller, Irvin M., to United States of America, National Aeronautics and Space Administration. Process for making a noble metal on tin oxide catalyst. 4,855,274, 8-8-89, Cl. 502-339.000.
- Upchurch, Billy T.: *See*—
  - Hess, Robert V.; Upchurch, Billy T.; Brown, Kenneth G.; Miller, Irvin M.; Schryer, David R.; Sidney, Barry D.; Wood, George M.; and Hoyt, Ronald F., 4,839,330, Cl. 502-53.000.
- Upchurch, James M., to Schlumberger Technology Corporation. Well tool control system and method. 4,796,699, 1-10-89, Cl. 166-250.000.
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- Upchurch, Paul E. Check valve for liquid chromatography pumps. 4,846,218, 7-11-89, Cl. 137-544.000.
- Upchurch, Ray, to French Oil Mill Machinery Co., The. Soybean process. 4,874,555, 10-17-89, Cl. 260-412.400.
- Upchurch, Robert G.: *See*—
  - Zablotowicz, Robert M.; Upchurch, Robert G.; and Ligon, James M., 4,863,866, Cl. 435-252.200.
- Updegraff, Robert S.: *See*—
  - Hartman, Warren E.; Leiss, Richard S.; and Updegraff, Robert S., 4,818,558, Cl. 426-634.000.
- Updike, Barbara G., legal representative: *See*—
  - White, Dorsey E., III; Updike, Benjamin T., deceased; and Allred, Johnny W., 4,823,976, Cl. 220-211.000.
- Updike, Benjamin T., deceased: *See*—
  - White, Dorsey E., III; Updike, Benjamin T., deceased; and Allred, Johnny W., 4,823,976, Cl. 220-211.000.
- Uphoff, Russel L.: *See*—
  - Schwarzchild, Jack; Uphoff, Russel L.; and Miller, Christopher G., 4,834,102, Cl. 128-662.060.
- Uphues, Guenter; and Ploog, Uwe, to Henkel Kommanditgesellschaft auf Aktien. Purification of phosphorous acid esters. 4,866,193, 9-12-89, Cl. 558-150.000.
- Uphues, Guenter; Ploog, Uwe; and Bischof, Klaudia, to Henkel Kommanditgesellschaft auf Aktien. Process for the production and isolation of monoalkyl phosphoric acid esters. 4,874,883, 10-17-89, Cl. 558-150.000.
- Uphues, Guenter: *See*—
  - Andree, Hans; Baumann, Horst; Biermann, Manfred; Jost, Frantisek; Krause, Horst-Juergen; Lange, Fritz; Leiter, Herbert; Meffert, Alfred; Ploog, Uwe; Schnegelberger, Harald; Smulders, Eduard; Sung, Eric; Syldatk, Andreas; Uphues, Guenter; and Vogt, Guenther, 4,820,436, Cl. 252-544.000.
  - Ploog, Uwe; Uphues, Guenter; and Nikolaus, Peter, 4,833,253, Cl. 548-352.000.
  - Ploog, Uwe; and Uphues, Guenter, 4,865,614, Cl. 8-115.600.
  - Ploog, Uwe; and Uphues, Guenter, 4,877,539, Cl. 252-8.800.
  - Veitenhansl, Rudolf; Froeschke, Wolfgang; Waltenberger, Peter; and Uphues, Guenter, 4,865,768, Cl. 260-403.000.
  - Veitenhansl, Rudolf; Waltenberger, Peter; Lange, Fritz; Uphues, Guenter; and Ploog, Uwe, 4,883,604, Cl. 252-8.900.
- Upjohn Company, The: *See*—
  - Anderson, David J., 4,873,346, Cl. 548-157.000.
  - Andrews, Thomas M.; Kuder, Carl I.; and Schadewald, Frederic H., 4,794,801, Cl. 73-862.230.

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Kim, Kyoung S., 4,883,869, Cl. 540-355.000.
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McEwan, Robert N.; and Carter, Donald B., 4,863,851, Cl. 435-7.000.
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Shah, Ashok C.; Britten, Nancy J.; and Badalamenti, Joseph N., 4,824,677, Cl. 424-467.000.
Shell, William E.; and See, Jackie R., 4,820,732, Cl. 514-573.000.
Sih, John C., 4,855,435, Cl. 546-274.000.
Sih, John C.; and Cho, Moo J., 4,873,337, Cl. 546-271.000.
Smith, Herman W., 4,851,425, Cl. 514-406.000.
Thaisrivongs, Suvit, 4,864,017, Cl. 530-329.000.
Thaisrivongs, Suvit, 4,882,420, Cl. 530-330.000.
VanRheenen, Verlan H., 4,831,131, Cl. 540-87.000.
Vonvoigtlander, Philip F.; and Szmuszkovicz, Jacob, 4,801,604, Cl. 514-429.000.
Wierenga, Wendell; and Skulnick, Harvey I., 4,795,812, Cl. 544-323.000.
Wuts, Peter G. M., 4,885,404, Cl. 568-332.000.

UPL Co. Ltd: *See—*
Tateno, Kunio; and Shimotori, Yoshio, 4,836,352, Cl. 194-215.000.

Upmeier, Egon; and Fischer, Jochen, to Kochs Adler Aktiengesellschaft. Automatic sewing machine. 4,809,627, 3-7-89, Cl. 112-121.120.

Upmeier, Egon: *See—*
Vogt, Siegfried; Upmeier, Egon; and Schulze, Wolfram, 4,813,362, Cl. 112-121.120.

Upmeier, Hartmut, to Windmoller & Holscher. Apparatus for helically slitting a continuous tubular film of synthetic thermoplastic material. 4,809,413, 3-7-89, Cl. 29-2.180.

Uponor N.V.: *See—*
Jarvenkyla, Jyri, 4,865,797, Cl. 264-508.000.
Jarvenkyla, Jyri; and Carlsson, Ingemar, 4,867,928, Cl. 264-508.000.

Uppco Inc.: *See—*
Lautner, Max; Hoffman, Fred; and Melnikov, Edward, 4,878,289, Cl. 29-596.000.

Upper, Richard B.: *See—*
Wreede, John E.; Scott, James E.; and Upper, Richard B., 4,878,719, Cl. 350-3.750.

Upperman, Eugene T.: *See—*
Carter, Hudson R.; and Upperman, Eugene T., 4,887,453, Cl. 73-1.00R.

Uppstrom, Russell E. Hinge. 4,882,809, 11-28-89, Cl. 16-384.000.

Upravlenie po Montazhu, Demontazhu i Remontu Gornoshakhtnogo Oborudovania "Spetsshakhtomontazh" Karagandinskogo Proizvodstvennogo Obiedinenie po Dobyche Uglya "Karagandaugol" : *See—*
Churkin, Vladimir G.; Negrutsky, Sergei B.; Klimov, Sergei B.; and Negrutsky, Boris F., 4,856,414, Cl. 92-83.000.

Upshaw, Jim L.: *See—*
Zowarka, Raymond C.; Weeks, Damon A.; Weldon, William F.; Gully, John H.; Upshaw, Jim L.; Spann, Mike L.; and Peterson, Dennis R., 4,884,489, Cl. 89-8.000.

Upsher, Stanley M.; and Essop, Sulaiman, to Consani Engineering (PTY) Ltd. Freight containers. 4,813,567, 3-21-89, Cl. 220-5.00A.

Uptime Technologies, Inc.: *See—*
Laumeister, Hugh M., 4,819,732, Cl. 169-61.000.

Uptmor, Ann M.: *See—*
Brunsvold, William R.; Conley, Willard E.; Jacobs, Scott L.; Mack, George L.; Merritt, David P.; and Uptmor, Ann M., 4,828,964, Cl. 430-271.000.

Upton, James E.: *See—*
Lessar, Joseph F.; Rosenberg, Duane L.; Kraska, Robert E.; Speckien, James M.; and Upton, James E., 4,860,446, Cl. 29-858.000.

Upton, Robert W., Jr., to Honeywell Inc. Retroreflected antilocking feedback. 4,846,574, 7-11-89, Cl. 356-350.000.

Ura, Hiroaki; and Shiozawa, Takao, to Konica Corporation. Sheet conveyance apparatus. 4,878,657, 11-7-89, Cl. 271-9.000.

Ura, Mikio: *See—*
Kawai, Mikio; Miyagi, Harutoshi; and Ura, Mikio, 4,801,195, Cl. 350-357.000.

Ura, Shyouzabu: *See—*
Nakayama, Takashi; Hisatomi, Takashi; and Ura, Shyouzabu, 4,813,687, Cl. 277-26.000.

Ura, Syousabu: *See—*
Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, 4,838,215, Cl. 123-52.0MB.

Urabe, Akio: *See—*
Takak, Fumimaro; Urabe, Akio; Shimamura, Michiya; and Mizuno, Masao, 4,812,443, Cl. 514-143.000.

Urabe, Akira: *See—*
Kinoshita, Masafumi; Maeda, Shuichi; and Urabe, Akira, 4,870,118, Cl. 523-207.000.

Urabe, Hirobumi: *See—*
Hirooka, Hiroshi; Saito, Takeshi; and Urabe, Hirobumi, 4,843,671, Cl. 8-159.000.

Urabe, Hitoshi; Shigaki, Takao; and Shimazaki, Osamu, to Fuji Photo Film Co., Ltd. Apparatus for generating positive or negative image output signals from either positive or negative originals. 4,841,362, 6-20-89, Cl. 358-80.000.

Urabe, Hitoshi; Miyakawa, Tadashi; Shimazaki, Osamu; Kudo, Hisashi; and Kimura, Hideaki, to Fuji Photo Film Co., Ltd. Method and apparatus for processing picture image signals. 4,845,550, 7-4-89, Cl. 358-80.000.

Urabe, Shigeharu, to Fuji Photo Film Co., Ltd. Process for preparing silver halide grains. 4,879,208, 11-7-89, Cl. 430-569.000.

Urabe, Shigeharu: *See—*
Ikeda, Hideo; Fujita, Munehisa; Ishimaru, Shingo; Ayato, Hiroshi; and Urabe, Shigeharu, 4,806,461, Cl. 430-567.000.
Saitou, Mitsuo; Urabe, Shigeharu; and Ozeki, Katsuhisa, 4,797,354, Cl. 430-567.000.

Urabe, Shuji: *See—*
Shimizu, Isao; Miyatake, Katsunori; Urabe, Shuji; and Murota, Kazuaki, 4,817,197, Cl. 455-208.000.

Urabe, Sunao: *See—*
Hattori, Norikazu; Urabe, Sunao; and Kusumoto, Koshi, 4,877,854, Cl. 528-15.000.

Urabe, Takashi: *See—*
Kobayashi, Keiji; and Urabe, Takashi, 4,841,006, Cl. 528-15.000.

Urabe, Yoshihiko; Higashi, Tatsuji; Takahashi, Hiroshi; and Kita, Nobuyuki, to Fuji Photo Film Co., Ltd. Photosensitive lithographic plate necessitating no dampening water. 4,874,686, 10-17-89, Cl. 430-272.000.

Urabe, Yosuke: *See—*
Ikada, Yoshito; Gen, Shokyu; Ohi, Shigeo; Urabe, Yosuke; and Kawashima, Hiroyuki, 4,882,162, Cl. 424-444.000.

Uragaki, Makoto: *See—*
Toi, Hiroshi; Fujita, Shinichi; and Uragaki, Makoto, 4,815,056, Cl. 369-36.000.

Uragami, Akira: *See—*
Suzuki, Yasunaga; Matsubara, Toshiaki; and Uragami, Akira, 4,827,368, Cl. 361-88.000.

Uragami, Akiro: *See—*
Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.

Uragami, Hisato: *See—*
Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.

Urai, Muneharu, to Tachi-S Co., Ltd. Method of making integrally foam-molded seats. 4,831,697, 5-23-89, Cl. 29-91.100.

Urai, Muneharu, to Tachi-S Co., Ltd. Seat with cover secured thereto. 4,867,508, 9-19-89, Cl. 297-452.000.

Urai, Muneharu, to Tachi-S Co. Ltd. Method of making integrally foam-molded seats. 4,873,036, 10-10-89, Cl. 264-46.600.

Urai, Muneharu, to Tachi-S Co., Ltd. Method of making seat-like object. 4,874,448, 10-17-89, Cl. 156-196.000.

Urai, Muneharu: *See—*
Kanai, Masatatsu; and Urai, Muneharu, 4,828,214, Cl. 248-430.000.

Urai, Takahiko, to NEC Corporation. Semiconductor memory device with improved cell arrangement. 4,855,956, 8-8-89, Cl. 365-210.000.

Urai, Takahiko, to NEC Corporation. Erasable programmable read only memory device. 4,881,200, 11-14-89, Cl. 365-189.040.

Urai, Yoshio: *See—*
Iwata, Yasuo; Mae, Shigenori; Urai, Yoshio; and Tsunoda, Takayuki, 4,889,557, Cl. 75-249.000.

Urakami, Akira: *See—*
Aoki, Takayoshi; Kaimori, Michinobu; Aikawa, Akira; Urakami, Akira; Nishimura, Gen; Koide, Tohru; Ishimaru, Osamu; Takigawa, Masao; and Shirai, Fumio, 4,830,125, Cl. 177-1.000.

Urakami, Fukashi. Device capable of adhering to a wall surface by suction and treating it. 4,809,383, 3-7-89, Cl. 15-98.000.

Urakami, Fukashi. Device capable of adhering to a wall surface by suction and treating it. 4,860,400, 8-29-89, Cl. 15-98.000.

Urakami, Hideaki. Warm bath for hands and feet. 4,880,415, 11-14-89, Cl. 604-291.000.

Urakawa, Makoto: *See—*
Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.

Urakawa, Nobuo: *See—*
Tsuji, Kazuwo; Sumiya, Hitoshi; Kumazawa, Yoshiaki; Urakawa, Nobuo; and Satoh, Keiichi, 4,859,531, Cl. 428-[illegible]33.000.

Urala, Reino, to Oy Nokia Ab. Method and arrangement for increasing the dynamic range at an input stage of an optical receiver. 4,805,236, 2-14-89, Cl. 455-619.000.

Uramoto, Iwami: *See—*
Liudzius, Valerie A.; Weisner, Ralph M.; Kamiharako, Takashi; and Uramoto, Iwami, 4,872,052, Cl. 358-106.000.

Uramoto, Joshin; Suzuki, Koichi; Oyama, Takuji; and Kojima, Hiroyasu, to Joshin Uramoto; and Asahi Glass Company, Ltd. Sheet plasma sputtering method and an apparatus for carrying out the method. 4,885,068, 12-5-89, Cl. 204-192.110.

Urani, Angelo: *See—*
Gaia, Aldino J.; Suher, Frank; Douglass, Robert; Ehlmann, Arlie; and Urani, Angelo, 4,831,353, Cl. 337-255.000.

Uranishi, Kimiyoshi: *See—*
Osaki, Shigeyoshi; Sakai, Kiyokazu; and Uranishi, Kimiyoshi, 4,801,862, Cl. 324-585.00C.

Uranishi, Kouji; and Itou, Takaaki, to Toyota Jidosha Kabushiki Kaisha. Apparatus for controlling amount of fuel-vapor purged from canister to intake air system. 4,809,667, 3-7-89, Cl. 123-520.000.

Uranishi, Kouji; and Itou, Takaaki, to Toyota Jidosha Kabushiki Kaisha. Air-fuel ratio control device of an internal combustion engine. 4,834,050, 5-30-89, Cl. 123-440.000.

Uranishi, Kouji; and Itou, Takaaki, to Toyota Jidosha Kabushiki Kaisha. Air-fuel ratio control device of an internal combustion engine. 4,838,229, 6-13-89, Cl. 123-440.000.

Uranishi, Kouji; and Itou, Takaaki, to Toyota Jidosha Kabushiki Kaisha. Air-fuel ratio control device of an internal combustion engine. 4,841,940, 6-27-89, Cl. 123-520.000.

Uranium Pechiney: *See—*
Coulon, Michel; Faron, Robert; and Besson, Daniel, 4,852,645, Cl. 165-180.000.

Urano, Etsuaki: *See—*
Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, 4,812,873, Cl. 355-3.0FU.
Matsushiro, Moriyoshi; and Urano, Etsuaki, 4,819,020, Cl. 355-3.0FU.

Urano, Joji: *See—*
Sugimori, Yoshio; Araki, Yousai; Kurosaki, Tadao; and Urano, Joji, 4,882,628, Cl. 358-167.000.

Urano, Satoshi: *See—*
Kanda, Kazunori; Urano, Satoshi; Aoki, Kei; and Muramoto, Hisaichi, 4,820,777, Cl. 525-291.000.
Ohsugi, Hiroharu; Eguchi, Yoshio; Urano, Satoshi; Mizuguchi, Ryuzo; and Takarada, Mitsuhiro, 4,885,406, Cl. 528-32.000.
Tsuboniwa, Noriyuki; Urano, Satoshi; and Mizuguchi, Ryuzo, 4,816,537, Cl. 526-301.000.

Urano, Shigeru: *See—*
Umeha, Genkichi; Urano, Shigeru; Hirakawa, Osamu; and Takeguchi, Shunsuke, 4,863,513, Cl. 75-231.000.

Urano, Wataru; and Sugano, Yasuaki, to Ciba-Geigy Corporation. Composition comprising an epoxy resin, a phenol and an advancement catalyst. 4,880,892, 11-14-89, Cl. 528-89.000.

Urano, Yasuo: *See—*
Ishizaki, Takaharu; Igarashi, Taizo; Urano, Yasuo; and Onodera, Yumiko, 4,885,008, Cl. 44-62.000.

Urashima, Hidetoshi: *See—*
Miura, Konoe; Ozawa, Tetsuo; Okumura, Seigo; and Urashima, Hidetoshi, 4,840,640, Cl. 8-506.000.

Urashima, Kazuhiro; Watanabe, Masakazu; Tajima, Yo; and Nakanishi, Kenji, to NGK Spark Plug Co., Ltd. Silicon nitride sintered product. 4,880,756, 11-14-89, Cl. 501-97.000.

Urashima, Mitsuru: *See—*
Fujikawa, Toshihiro; Itoh, Itsu; and Urashima, Mitsuru, 4,830,045, Cl. 137-456.000.

Urashima, Nobuaki: *See—*
Mori, Yoshikuni; Kushino, Mitsuo; Ikeda, Hayato; Urashima, Nobuaki; Izubayashi, Masuji; Tanimori, Shigeru; Arita, Yoshihiro; Kawamura, Kiyoshi; Minami, Kenji; and Sano, Yoshinori, 4,880,857, Cl. 523-205.000.

Urashin, Masayuki: *See—*
Doi, Motomichi; Izushi, Minetoshi; Kawaike, Kazuhiko; and Urashin, Masayuki, 4,878,820, Cl. 418-203.000.

Urata, Hiromasa: *See—*
Mine, Kazunori; Murakami, Keisuke; Tago, Mamoru; and Urata, Hiromasa, 4,839,514, Cl. 250-237.00R.
Mine, Kazunori; Murakami, Keisuke; and Urata, Hiromasa, 4,882,631, Cl. 358-471.000.

Urata, Hiroshi: *See—*
Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, 4,827,180, Cl. 313-404.000.
Tokita, Kiyoshi; Sone, Toshinao; Urata, Hiroshi; and Nakamura, Michio, 4,866,333, Cl. 313-406.000.

Urata, Hisao: *See—*
Fuchikami, Takamasa; Urata, Hisao; Ishii, Yoshimitsu; and Obata, Yoshiko, 4,855,487, Cl. 560-227.000.

Urata, Kaoru; Nakashio, Miaki; Ono, Koichi; Hirai, Hitoshi; and Iwamoto, Masayuki, to Sony Corp. Apparatus for compressing and/or expanding time base. 4,876,703, 10-24-89, Cl. 377-62.000.

Urata, Kazuo; Hirose, Naoki; and Hayashi, Shigenori, to Semiconductor Energy Laboratory Co., Ltd. Thin film manufacturing system. 4,887,548, 12-19-89, Cl. 118-722.000.

Urata, Kazuo: *See—*
Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, 4,811,684, Cl. 118-50.100.
Tashiro, Mamoru; Urata, Kazuo; and Yamazaki, Shunpei, 4,857,139, Cl. 156-643.000.

Urata, Kenji: *See—*
Shiromizu, Yasuyuki; and Urata, Kenji, 4,837,629, Cl. 358-213.190.
Ukaji, Shiroh; Kimura, Hisao; Urata, Kenji; and Kaneda, Toshio, 4,859,824, Cl. 219-69.150.

Urata, Yasuhiro: *See—*
Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,873,949, Cl. 123-90.120.
Kawamoto, Michio; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,862,843, Cl. 123-90.110.
Yagi, Toru; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, 4,889,085, Cl. 123-90.120.

Urata, Yoshihito: *See—*
Akiyama, Yoshihiro; Naka, Teruyuki; Urata, Yoshihito; and Sasaki, Toshiharu, 4,816,921, Cl. 358-256.000.

Urayama, Kiyoshi: *See—*
Iwahashi, Yuuji; and Urayama, Kiyoshi, 4,802,044, Cl. 360-132.000.

Urayama, Yuji; Kondo, Kuniharu; and Nakatsukasa, Takeshi, to Victor Company of Japan, Limited. Method and system for detecting tape defects by transporting a tape in two directions. 4,806.861, 2-21-89, Cl. 324-212.000.

Urbach, Edward A.: *See—*
Hanson, Richard A.; Peters, Rex B.; Norling, Brian L.; and Urbach, Edward A., 4,872,342, Cl. 73-517.00R.

Urbach, Hans-Peter: *See—*
Aulich, Hubert; Urbach, Hans-Peter; and Eisenrith, Karl-Heinz, 4,803,188, Cl. 502-232.000.

Urbach, Hansjorg; Henning, Rainer; Scholkens, Bernward; and Becker, Reinhard, to Hoechst Aktiengesellschaft. Fused azepinone and azocinone derivatives, processes for their preparation, agents containing them and their use, and intermediates in their preparation. 4,857,520, 8-15-89, Cl. 514-183.000.

Urbach, Hansjorg; Henning, Rainer; and Hertzsch, Winfried, to Hoechst Aktiengesellschaft. Cis,endo-2-azabicycloalkane-3-carboxylic acid derivatives, their use and intermediates in their preparation. 4,886,827, 12-12-89, Cl. 514-412.000.

Urbach, Hansjorg: *See—*
Geiger, Rolf; Teetz, Volker; Langner, Dietrich; Urbach, Hansjorg; and Henning, Rainer, 4,822,894, Cl. 548-252.000.
Henning, Rainer; and Urbach, Hansjorg, 4,849,524, Cl. 548-411.000.
Teetz, Volker; Geiger, Rolf; Urbach, Hansjorg; Becker, Reinhard; and Scholkens, Bernward, 4,879,403, Cl. 560-38.000.

Urbahn, Friedrich: *See—*
Bartkowiak, Klaus; Graf, Joachim; Urbahn, Friedrich; and Weber, Klaus, 4,881,694, Cl. 242-43.00R.

Urban, Arthur L., to Wescon Products, Inc. Bail stop. 4,805,386, 2-21-89, Cl. 56-10.800.

Urban, Carl T.; Lewis, Mark A.; and Glocker, David A., to Eastman Kodak Company. Fusing roller. 4,810,858, 3-7-89, Cl. 219-469.000.

Urban, Carl T., to Eastman Kodak Company. Electrical contacting device for fusing roller. 4,820,904, 4-11-89, Cl. 219-216.000.

Urban, Dieter: *See—*
Nuber, Adolf; Sanner, Axel; and Urban, Dieter, 4,795,802, Cl. 528-482.000.

Urban, Donald P.: *See—*
Atlas, George N.; Donnally, Leroy C.; Urban, Donald P.; Perkins, James M.; and Wilson, Timothy C., 4,874,308, Cl. 425-544.000.

Urban, Frank J., to Pfizer, Inc. Process for the production of asymmetric hydantoins. 4,841,079, 6-20-89, Cl. 549-404.000.

Urban, Frank J., to Pfizer Inc. Process for optically active 3-(methanesulfonyloxy)thiolane and analogs. 4,874,877, 10-17-89, Cl. 549-66.000.

Urban, Frank J., to Pfizer Inc. Macrocyclic polyether carboxylic acids. 4,876,367, 10-24-89, Cl. 549-349.000.

Urban, John A., to Lucas Industries Public Limited Company. Lubrication system for drum brakes. 4,813,516, 3-21-89, Cl. 188-79.550.

Urban, John A., to Lucas Industries Public Limited Company. Automatic adjuster for a vehicle shoe-drum brake. 4,838,390, 6-13-89, Cl. 188-79.550.

Urban, Joseph J., Jr.; Henderson, Norman; and Behe, Anthony J., to Hoechst-Roussel Pharmaceuticals Inc. Stabilized delayed release emulsion. 4,874,605, 10-17-89, Cl. 424-78.000.

Urban, Manfred: *See—*
Schmitt, Dieter; and Urban, Manfred, 4,798,627, Cl. 106-2.000.
Spietschka, Ernst; and Urban, Manfred, 4,797,162, Cl. 106-498.000.

Urban, Paul, to Cooper Industries, Inc. Flux fume removal device. 4,796,795, 1-10-89, Cl. 228-20.000.

Urban Transportation Development Corporation Ltd.: *See—*
Skoblenick, Harry; and Smith, Roy E., 4,817,534, Cl. 105-30.000.
Smith, Roy E., 4,802,419, Cl. 105-171.000.
Smith, Roy E.; and Anderson, Ron J., 4,819,566, Cl. 105-168.000.
Stannard, John, 4,846,126, Cl. 123-308.000.

Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova , Maria; and Drbohlav, Jaroslav, to Vyskumny a vyvojovy ustav sklarsky. Method and apparatus for selective creation of a decor on hollow axially-symmetric products by a laser beam. 4,843,207, 6-27-89, Cl. 219-121.600.

Urbanneck, Bernd: *See—*
Lindner, Christian; Peters, Horst; Buekers, Josef; and Urbanneck, Bernd, 4,810,739, Cl. 524-371.000.

Urbanski, Jeffrey C.: *See—*
Anderson, Philip M., III; Kearney, James E.; Suchomel, Michael; and Urbanski, Jeffrey C., 4,868,915, Cl. 340-825.310.

Urbanski, Maud: *See—*
Press, Jeffery B.; and Urbanski, Maud, 4,880,824, Cl. 514-368.000.

Urbas, Branko, to Michigan Biotechnology Institute. Process for the production of 3,4-dideoxyhexitol. 4,820,880, 4-11-89, Cl. 568-861.000.

Urbaschek, Berhard: *See—*
Urbaschek, Renate; Urbaschek, Berhard; and Maennel, Daniela, 4,861,587, Cl. 424-85.100.

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Urbaschek, Renate; Urbaschek, Berhard; and Maennel, Daniela, to BASF Aktiengesellschaft. Use of TNF for the prevention or treatment of radiation damage. 4,861,587, 8-29-89, Cl. 424-85.100.

Urbish, Glenn F.; Mullen, William B., III; and Mooney, Charles W., to Motorola, Inc. Method of making a one-piece injection molded battery contact assembly. 4,877,569, 10-31-89, Cl. 264-221.000.

Urbush, Richard: *See—*
- Andis, Matthew L.; and Urbush, Richard, 4,833,283, Cl. 200-302.100.

Urdal, David L.; March, Carl J.; and Dower, Steven K., to Immunex Corporation. Hybridoma antibody which binds IL-2 receptor. 4,845,198, 7-4-89, Cl. 530-387.000.

Urdal, Jan, to Schlage Lock Company. Panic proof passage lock set. 4,866,965, 9-19-89, Cl. 70-481.000.

Urdan Industries (USA) Inc.: *See—*
- Hendrickson, Thomas R., 4,822,077, Cl. 285-12.000.
- Hendrickson, Thomas R., 4,867,482, Cl. 285-12.000.

Urdea, Mickey; and Warner, Brian, to Chiron Corporation. Solution phase nucleic acid sandwich assay. 4,868,105, 9-19-89, Cl. 435-6.000.

Urech, Pierre: *See—*
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,824, Cl. 514-383.000.
- Ruess, Wilhelm; Urech, Pierre; Eberle, Jurg; and Staub, Theodor, 4,886,825, Cl. 514-383.000.

Urech, Rolf; and Mayer, Ludwig, to Lenser Verwaltungs-GmbH. Filter press with a plurality of membrane filter plates. 4,844,803, 7-4-89, Cl. 210-225.000.

Urech, Werner, to Elpatronic AG. Contact wire for a roller seam welding machine. 4,795,875, 1-3-89, Cl. 219-84.000.

Urech, Werner, to Elpatronic AG Electrode wire for a roller seam welding machine. 4,886,953, 12-12-89, Cl. 219-64.000.

Urech, Werner: *See—*
- Opprecht, Paul; and Urech, Werner, 4,795,295, Cl. 413-1.000.

Ureshino, Kashiro: *See—*
- Amano, Itaru; Fujieda, Yasuhiko; and Ureshino, Kashiro, 4,822,266, Cl. 425-34.100.
- Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.

Uretzky, Gideon: *See—*
- Cohn, Daniel; Younes, Hani; and Uretzky, Gideon, 4,826,945, Cl. 528-76.000.

Urfer, Allen D.; and Howell, Gail M., to A. E. Staley Manufacturing Company. Fine fabric detergent composition. 4,804,497, 2-14-89, Cl. 252-8.800.

Urfer, Allen D.: *See—*
- Roth, Claris D.; Moser, Kenneth B.; Howell, Gail M.; and Urfer, Allen D., 4,834,903, Cl. 252-174.170.

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- Chakraborty, Asok; Urlaub, Herbert; Grof, Franz; and Cosack, Klaus, 4,874,513, Cl. 210-321.840.

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Ursiny, Petr: *See—*
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- Balogh, Karoly; Dombay, Zsolt; Fodor, Karoly; Grega nee Toth, Erzsebet; Lorik, Erno; Magyar nee Tomorkenyi, Magdolna; Nagy, Jozsef; Pasztor, Karoly; Santha, Pal; Tarpai, Gyula; Toth, Istvan; and Urszin nee Simon, Eszter, 4,870,065, Cl. 514-119.000.
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- Tsunekawa, Tokuichi; Date, Nobuaki; Aizawa, Hiroshi; Hosoe, Kazuya; and Urushibara, Kazunori, 4,823,200, Cl. 358-335.000.

Urushibara, Koji: *See—*
- Sugita, Terumitsu; and Urushibara, Koji, 4,867,658, Cl. 418-76.000.

Urushibata, Ikumi: *See—*
- Takematsu, Tetsuo; Konnai, Makoto; Shimizu, Kuniaki; Urushibata, Ikumi; and Kajiwara, Ikuo, 4,824,477, Cl. 71-103.000.

Urushibata, Kenichi: *See—*
- Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.

Urushibata, Shoichi: *See—*
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- Hara, Mitsunori; Nagao, Nobuhiro; Amazutsumi, Tooru; and Urushihara, Kanji, 4,804,592, Cl. 429-174.000.

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Urushiwara, Noriyoshi; Sugiura, Noboru; Fujino, Yasunori; and Kobayashi, Ryoichi, to Hitachi, Ltd. Ignition system for internal combustion engine. 4,854,292, 8-8-89, Cl. 123-630.000.

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- Kwong, Sze-Keung; Lau, Kam Y.; Bar-Chaim, Nadav; and Ury, Israel, 4,843,611, Cl. 372-46.000.

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- Simpson, James E.; Kamarehi, Mohammed; and Ury, Michael G., 4,887,192, Cl. 362-265.000.

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Us, Natasha; Kim, Bonggi; and Berg, John E., to Standard Microsystems Corporation. Multilayer metallization method for integrated circuits. 4,824,803, 4-25-89, Cl. 437-192.000.

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- Fraser, Charles D., 4,818,051, Cl. 350-96.160.

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- Glenn, Luke H., 4,857,063, Cl. 604-317.000.

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Usami, Jun: *See—*
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Usami, Masashi: *See—*
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- Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; Osanai, Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, 4,868,420, Cl. 307-441.000.

Usami, Nobuhiro: *See—*
- Shimada, Takeo; Isaka, Tsutomu; Okada, Noriyuki; Ishino, Iwao; and Usami, Nobuhiro, 4,802,892, Cl. 44-62.000.

Usami, Saburo; Uchiyama, Kyoichi; and Suzuki, Satoshi, to Hitachi, Ltd. Two-flow-passage type exhaust gas driven turbo-charger. 4,875,837, 10-24-89, Cl. 417-407.000.

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Usami, Shigeoki, to Bridgestone Corporation. Transfer apparatus for belt-like materials. 4,832,243, 5-23-89, Cl. 226-108.000.

Usami, Takashi: *See—*
- Teramoto, Takero; and Usami, Takashi, 4,810,771, Cl. 528-298.000.

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- Ito, Masaaki; Odagiri, Shiro; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Aiko; and Usami, Teruo, 4,839,654, Cl. 342-22.000.
- Ohnishi, Hiroyasu; Matsuura, Tatsukichi; Maeda, Kouji; Uekubo, Yasuhiro; Jitumori, Akio; and Usami, Teruo, 4,831,383, Cl. 342-22.000.

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- McNally, Alan J.; Schwartz, Alan; and Usategui, Magdalena, 4,833,073, Cl. 435-7.000.

USBI Booster Production Company, Inc.: *See—*
- Headrick, Stephen E.; and Hill, Roger L., 4,837,250, Cl. 523-179.000.
- Scarpa, Jack G., 4,835,054, Cl. 428-377.000.

USBI Company: *See—*
- Novak, Howard L.; and Zook, Lee M., 4,877,638, Cl. 427-8.000.

Usdin, Vera R.: *See—*
- Breuer, Miklos M.; Kaszynski, Edwin G.; Shander, Douglas; Usdin, Vera R.; and van der Lee, Hermes, 4,885,289, Cl. 514-170.000.

USEC, Inc.: *See—*
- Bolden, Ronald J., 4,811,968, Cl. 280-652.000.
- Bolden, Ronald J., 4,824,137, Cl. 280-652.000.

Usen, Norman: *See—*
- Kaufman, George; and Usen, Norman, 4,813,376, Cl. 119-1.000.
- Winston, Anthony E.; Brown, Raymond S.; Lawson, Frederick W.; and Usen, Norman, 4,851,212, Cl. 424-45.000.

USG Interiors, Inc.: *See—*
- Bosl, George F.; Kelly, Patrick M.; Alvarez, Dennis A.; Sauer, Gale; and Hocevar, Joseph A., 4,881,355, Cl. 52-738.000.
- Kelly, Patrick M.; Howlett, Robert E.; Pomeroy, Paul A.; and Alvarez, Dennis A., 4,876,837, Cl. 52-287.000.
- Swensen, Eugene L.; and Ray, George F., III, 4,856,175, Cl. 29-460.000.
- Wendt, Alan C., 4,884,375, Cl. 52-36.000.

Usher, Peter P.; Gavaletz, Eugene J.; and Slonksnes, John, to Metex Corporation. Reinforced squeak free seal for exhaust couplings. 4,871,181, 10-3-89, Cl. 277-229.000.

Usher, Thomas C., to Polydex Pharmaceuticals, Ltd. Method for the manufacture of dextran sulfate and salts thereof. 4,855,416 8-8-89, Cl. 536-112.000.

Ushida, Masahiko; and Shibata, Hitoshi, to Nippondenso Co., Ltd. Indicator arrangement for motor vehicles. 4,841,155, 6-20-89, Cl. 250-463.100.

Ushida, Masayasu; Nakao, Sigeru; and Hattori, Kyo, to Nippondenso Co., Ltd.; and Toyota Jidosha Kabushiki Kaisha. Ignition distributor for internal combustion engine. 4,869,216, 9-26-89, Cl. 123-146.50A.

Ushida, Yoshihisa: *See—*
- Hirai, Nobuki; Ushida, Yoshihisa; and Ohno, Takao, 4,830,996, Cl. 501-136.000.

Ushida, Yoshio; and Jinushi, Sinji, to Toyoda Gosei Co., Ltd. Leather-wrapped steering wheel. 4,824,873, 4-25-89, Cl. 521-137.000.

Ushifusa, Nobuyuki; Shinohara, Hiroichi; Nagayama, Kousei; Ogihara, Satoru; and Soga, Tasao, to Hitachi, Ltd. Ceramic multilayer circuit board and semiconductor module. 4,821,142, 4-11-89, Cl. 361-395.000.

Ushifusa, Nobuyuki: *See—*
- Soga, Tasao; Goda, Masahiro; Nakano, Fumio; Kushima, Tadao; Ushifusa, Nobuyuki; Kobayashi, Fumiyuki; and Sawahata, Mamoru, 4,825,284, Cl. 357-80.000.

Ushigoe, Tomio: *See—*

Hata, Yoshikuni; and Ushigoe, Tomio, 4,827,815, Cl. 82-1.110.

Ushigome, Masahiro: *See—*

Kiyomiya, Yutaka; Yamaguchi, Yasumasa; Ushigome, Masahiro; and Murata, Hiroshi, 4,883,897, Cl. 558-327.000.

Ushihara, Masaharu: *See—*

Takita, Masaaki; Tsuru, Yoshikazu; Ushihara, Masaharu; Itoh, Taichi; and Tanaka, Masumi, 4,797,690, Cl. 346-105.000.

Ushijima, Fumihiro; and Murata, Kiyohito, to Toyota Jidosha Kabushiki Kaisha. Hydraulic control device for hydraulically operated friction clutch having drag preventive means. 4,795,011, 1-3-89, Cl. 192-0.032.

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Asada, Toshiyuki; Ushijima, Fumihiro; and Higashiyama, Yasuhiko, 4,872,376, Cl. 74-765.000.

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Numazawa, Akio; Sato, Akira; and Ushijima, Fumihiro, 4,860,607, Cl. 74-330.000.

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Minamikata, Hajime; Kanno, Toshiaki; Kanda, Masahiro; and Ushijima, Hitoshi, 4,855,119, Cl. 423-346.000.

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Iwaki, Masato; Okamoto, Ikuo; Ushijima, Kenji; and Kinoshita, Hiroshi, 4,823,642, Cl. 74-860.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Shimomura, Setsuhiro; Ohtani, Hichirou; and Tamura, Shigeru, 4,846,133, Cl. 123-494.000.

Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.

Ushijima, Mitsuyasu: *See—*

Takasugi, Naoyuki; Ushijima, Mitsuyasu; Inoue, Satoshi; and Hirata, Terukage, 4,816,481, Cl. 514-470.000.

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Nakagawa, Susumu; Mitomo, Ryuji; and Ushijima, Ryosuke, 4,880,797, Cl. 514-206.000.

Nakagawa, Susumu; Ushijima, Ryosuke; Nakano, Fumio; Yamada, Koji; and Mano, Eiichi, 4,883,868, Cl. 540-222.000.

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Miyata, Shohiko; Tottori, Seiichi; Ushijima, Sakae; Suzuki, Hajime; Minematsu, Toshikazu; and Tanaka, Yoshiki, 4,844,340, Cl. 239-9.000.

Ushijima, Shigemi, to Chugai Ro Co., Ltd. Walking beam type reheating furnace. 4,820,150, 4-11-89, Cl. 432-121.000.

Ushijima, Takao; and Noguchi, Takeshi, to Bridgestone Corporation. Vibration isolating apparatus. 4,802,658, 2-7-89, Cl. 267-140.100.

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Tabata, Toshiyuki; Ishiyama, Tatsuro; Ushijima, Takao; and Dan, Takuya, 4,872,650, Cl. 267-140.100.

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Ushikubo, Kohei, to Sanden Corporation. Data exchanging system using a bar code reader. 4,879,540, 11-7-89, Cl. 235-385.000.

Ushikubo, Takashi; Okayama, Hideaki; Kawahara, Masato; and Asabayashi, Issei, to Oki Electric Industry Co., Ltd. Distributed coupler switch. 4,884,858, 12-5-89, Cl. 350-96.130.

Ushimaru, Akira: *See—*

Inaba, Hiroe; Ushimaru, Akira; Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo, 4,861,674, Cl. 428-480.000.

Ushimaru, Koichi; Hamakawa, Tomoaki; and Koga, Tomio, to Nippon Shinyaku Co., Ltd. Nifedipine compositions and the production thereof. 4,874,774, 10-17-89, Cl. 514-356.000.

Ushio, Akira; and Sobata, Tomotsu, to Nippon Paint Co., Ltd. Precoated metal plate for heavy forming use. 4,882,215, 11-21-89, Cl. 428-143.000.

Ushio Denki Kabushiki Kaisha: *See—*

Arai, Tetsuji, 4,840,876, Cl. 430-328.000.

Arai, Tetsuji, 4,842,992, Cl. 430-328.000.

Deki, Kyoichi, 4,862,475, Cl. 372-61.000.

Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,722, Cl. 372-33.000.

Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,725, Cl. 372-56.000.

Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,868,840, Cl. 372-56.000.

Nasu, Shoichi; and Onishi, Yasuo, 4,804,888, Cl. 313-595.000.

Suzuki, Shinji; Arai, Tetsuji; Ohno, Kuniharu; Ueki, Kazuyeshi; Mimura, Yoshiki; Tanaka, Kazuya; Sugioka, Shinji; and Suzuki, Hiroko, 4,841,342, Cl. 355-71.000.

Suzuki, Shinji; Ueki, Kazuyoshi; Suzuki, Hiroko; and Mimura, Yoshiki, 4,868,095, Cl. 430-326.000.

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,888,271, Cl. 430-328.000.

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Fujisawa, Yoshikazu; and Hata, Tsunehisa, to Honda Giken Kogyo Kabushiki Kaisha. Internal combustion engine. 4,817,578, 4-4-89, Cl. 123-668.000.

Ushio, Hideaki; Hayashi, Tadayoshi; Shibata, Kazuo; Hata, Tsunehisa; and Fujisawa, Yoshikazu, to Honda Giken Kogyo Kabushiki Kaisha. Cylinder block made of fiber-reinforced light alloy for internal combustion engine. 4,856,462, 8-15-89, Cl. 123-41.840.

Ushio, Hideaki: *See—*

Fujisawa, Yoshikazu; Hayashi, Tadayoshi; Ushio, Hideaki; and Shibata, Kazuo, 4,868,067, Cl. 428-614.000.

Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, to Hitachi, Ltd. Electroless gold plating solution. 4,804,559, 2-14-89, Cl. 427-96.000.

Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, to Hitachi, Ltd. Electroless gold plating solution. 4,880,464, 11-14-89, Cl. 106-1.050.

Ushio Kogyo Co., Ltd.: *See—*

Kakimoto, Masakazu, 4,863,381, Cl. 433-129.000.

Ushio, Kozo, to Mitsuboshi Belting, Ltd. Automatic power transmission belt tensioner. 4,826,471, 5-2-89, Cl. 474-135.000.

Ushio, Masao: *See—*

Maeno, Yoshinori; Mikita, Hiroshi; Umezu, Sadao; Matsuda, Fukuhisa; and Ushio, Masao, 4,882,519, Cl. 313-633.000.

Ushio, Masaru: *See—*

Inoue, Akira; Ushio, Masaru; Morita, Toru; Oishi, Yasuyuki; and Sakoda, Hisao, 4,836,914, Cl. 208-251.00H.

Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, to Canon Kabushiki Kaisha. Recording apparatus capable of multiple recording on one or both sides of a sheet. 4,853,740, 8-1-89, Cl. 355-319.000.

Ushio, Yukihide: *See—*

Kimizuka, Junichi; Ushio, Yukihide; Seto, Kaoru; Hori, Kenjiro; and Inuyama, Toshihiko, 4,882,782, Cl. 361-100.000.

Ushioda, Kentaro; and Yamaguchi, Shigeaki. Paper feeding method and apparatus. 4,807,790, 2-28-89, Cl. 226-2.000.

Ushioda, Kentaro: *See—*

Takase, Shigeto; Yamaguchi, Shigeaki; and Ushioda, Kentaro, 4,864,198, Cl. 318-254.000.

Ushioda, Makoto: *See—*

Kitano, Kisei; Ushioda, Makoto; Uchida, Manabu; and Suzuki, Toshiharu, 4,877,548, Cl. 252-299.630.

Kitano, Kisei; Uchida, Manabu; Ushioda, Makoto; and Suzuki, Toshiharu, 4,880,562, Cl. 252-299.630.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,827,052, Cl. 568-812.000.

Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; Ushioda, Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,862,084, Cl. 252-299.660.

Saito, Shinichi; Inoue, Hiromichi; Miyazawa, Kazutoshi; Ohno, Kouji; and Ushioda, Makoto, 4,876,026, Cl. 252-299.610.

Ushiro, Hiroyuki: *See—*

Konishi, Toshiharu; Ushiro, Hiroyuki; and Moriyama, Takaki, 4,844,973, Cl. 428-286.000.

Ushiro, Seimei; and Kaneko, Hiromi, to Fuji Photo Film Co., Ltd. Film loading data display device for camera. 4,799,075, 1-17-89, Cl. 354-289.100.

Ushiro, Seimei; Ohmura, Hiroshi; Cho, Michio; Tanaka, Tsutomu; Tanaka, Yasuhiko; Asano, Seiji; and Ohno, Kazunori, to Fuji Photo Film Co., Ltd. Photographic film package. 4,812,866, 3-14-89, Cl. 354-288.000.

Ushiro, Seimei: *See—*

Iida, Toshiharu; Shimanuki, Koji; Nakada, Kimiaki; and Ushiro, Seimei, 4,829,384, Cl. 358-229.000.

Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.

Nakayama, Keiji; Ushiro, Seimei; and Ohmura, Hiroshi, 4,831,398, Cl. 354-212.000.

Ohmura, Hiroshi; and Ushiro, Seimei, 4,811,110, Cl. 358-256.000.

Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,833,495, Cl. 354-212.000.

Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,855,774, Cl. 354-203.000.

Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, 4,890,130, Cl. 354-288.000.

Ushiro, Tatsuzo, to Canon Kabushiki Kaisha. Recording and reproducing apparatus selectively using a plurality of kinds of recording mediums. 4,809,095, 2-28-89, Cl. 360-75.000.

Ushiro, Tatsuzo: *See—*

Ogino, Shigeru; Hirata, Noritsugu; and Ushiro, Tatsuzo, 4,801,830, Cl. 310-68.00B.

Ushirogouchi, Toru: *See—*

Hayase, Shizu; Horiguchi, Rumiko; Onishi, Yasunobu; and Ushirogouchi, Toru, 4,871,646, Cl. 430-192.000.

Ushiroguchi, Tsuyoshi: *See—*

Yoshida, Susumu; Nakagawa, Shizutoshi; Ushiroguchi, Tsuyoshi; Matsuura, Hiromichi; and Yazaki, Akira, 4,876,281, Cl. 514-517.000.

Ushirokoji, Kiyoyuki: *See—*

Saito, Hirokazu; Takano, Kozo; Ushirokoji, Kiyoyuki; and Igarashi, Shigeo, 4,869,104, Cl. 73-299.000.

Ushiwata, Shigeharu: *See—*

Sato, Masayuki; and Ushiwata, Shigeharu, 4,869,142, Cl. 83-467.100.

Ushiyama, Hisayuki: *See—*

Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.

Nakahara, Toshiaki; Ohsaki, Ichiro; Ushiyama, Hisayuki; Kiuchi, Masashi; Yamazaki, Masuo; Goseki, Yasuhide; and Ochi, Hisayuki, 4,797,344, Cl. 430-138.000.

Ushiyama, Yasuichi: *See—*

Ikeda, Sadayuki; Inoue, Hidehiko; Nagai, Kiyotake; Nakajima, Hiroshi; and Ushiyama, Yasuichi, 4,800,435, Cl. 358-213.190.

Ushizawa, Koji; Maki, Akemichi; Akimoto, Toshiyuki; Nagasaki, Senkichi; and Hirata, Miyoshi, to Daiichi Pure Chemicals Co., Ltd. Quantitative analysis of 3α-hydroxysteroid and reagent useful therefor. 4,816,394, 3-28-89, Cl. 435-26.000.

Ushizawa, Koji, to Daiichi Pure Chemicals Co., Ltd. 3α-hydroxysteroid oxidase and quantitative analysis of 3α-hydroxysteroid making use of same. 4,8[illegible]9,801, 12-26-89, Cl. 435-25.000.

Ushizawa, Norihiko; and Shimomura, Takeshi, to Terumo Kabushiki Kaisha. Oxygen sensor. 4,861,454, 8-29-89, Cl. 204-414.000.

Ushizawa, Norihiko: *See—*

Yamaguchi, Shuichiro; Ushizawa, Norihiko; and Shimomura, Takeshi, 4,798,664, Cl. 204-418.000.

Ushizima, Ryosuke: *See—*

Nakagawa, Susumu; Otake, Norikazu; and Ushizima, Ryosuke, 4,814,328, Cl. 514-205.000.

Usho Denki: *See—*

Suzuki, Shinji; Arai, Tetsuji; Ueki, Kazuyoshi; Mimura, Yoshiki; and Suzuki, Hiroko, 4,882,263, Cl. 430-328.000.

Usi Lighting, Inc.: *See—*

Counts, Richard C., 4,866,350, Cl. 315-209.00R.

Pahl, Scott T., 4,881,157, Cl. 362-371.000.

Usijima, Kunio: *See—*

Matuura, Nobuhiko; Usijima, Kunio; and Goto, Tetsuo, 4,795,889, Cl. 235-379.000.

Usimaki, Marvin W. Slide hammer chimney cleaner. 4,802,256, 2-7-89, Cl. 15-243.000.

Usinger, Patricia: *See—*

Siegel, Herbert; Kampe, Klaus-Dieter; Alpermann, Hans G.; Gerhards, Hermann J.; Usinger, Patricia; Schacht, Ulrich; Leven, Margret; Raether, Wolfgang; Dittmar, Walter; and Sachse, Burkhard, 4,876,354, Cl. 548-341.000.

Usinor Aciers: *See—*

Brysbaert, Jean M.; and Vautrain, Alain, 4,803,864, Cl. 72-202.000.

Chrithian, Oliver; and Brun, Charles, 4,852,406, Cl. 73-579.000.

Cordier, Jean A. G.; Dussart, Bernard E. A.; and Rollot, Pierre H., 4,867,848, Cl. 201-6.000.

Uskokovic, Milan R.: *See—*

Baggiolini, Enrico G.; Partridge, John J.; Shiuey, Shian-Jan; Truitt, Gary A.; and Uskokovic, Milan R., 4,804,502, Cl. 260-397.200.

Pak, Charles Y. C.; Uskokovic, Milan R.; and Zerwekh, Joseph E., 4,883,791, Cl. 514-167.000.

USM Corporation: *See—*

McLean, Jean A.; and Duncan, Robert J., 4,799,268, Cl. 382-8.000.

Stede, Manfred; Schreiber, Holger; and Speisebecher, Joachim, 4,815,636, Cl. 222-146.500.

Usman, Pulukadang F.; and Mutou, Tadanobu, to Usman, Pulukadang Freddy. Rehabilitation bed. 4,805,249, 2-21-89, Cl. 5-90.000.

Usman, Pulukadang Freddy: *See—*

Usman, Pulukadang F.; and Mutou, Tadanobu, 4,805,249, Cl. 5-90.000.

Uster, Paul S.; and Quinn, Yolanda P., to Liposome Technology, Inc. Non-crystalline minoxidil composition, its production and application. 4,828,837, 5-9-89, Cl. 424-450.000.

Usuba, Shu: *See—*

Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.

Usubuchi, Yutaka; and Mizuno, Masayoshi, to Asahi Kasei Kogyo Kabushiki Kaisha. Light-shielding screen and a process for producing the same. 4,820,021, 4-11-89, Cl. 350-276.00R.

Usuda, Kinya: *See—*

Shigemitsu, Fumiaki; Usuda, Kinya; and Nomaki, Tatsuo, 4,840,874, Cl. 430-296.000.

Usui, Akira; Kubo, Kazuhiko; and Nagai, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. Oscillator including a transistor used both as constant current source and amplifier. 4,797,638, 1-10-89, Cl. 331-117.00D.

Usui, Akira; Sakashita, Seiji; Fukui, Kiyotake; and Nagai, Hiroyuki, to Matsushita Electric Industrial Co., Ltd. High frequency amplifier circuit. 4,806,876, 2-21-89, Cl. 330-279.000.

Usui, Akira, to Yamaha Corporation. Digital filter. 4,866,648, 9-12-89, Cl. 364-724.010.

Usui, Akira: *See—*

Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; and Usui, Akira, 4,811,254, Cl. 364-560.000.

Ikuhara, Hideyuki; Usui, Akira; Kubo, Kazuhiko; Nagai, Hiroyuki; and Kutsuki, Tetsuo, 4,835,492, Cl. 331-117.00D.

Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.

Kubo, Kazuhiko; Saitou, Susumu; Usui, Akira; and Nagai, Hiroyuki, 4,861,941, Cl. 174-35.00R.

Usui, Hideo: *See—*

Ichijima, Seiji; Usui, Hideo; and Yamada, Kohzaburoh, 4,818,668, Cl. 430-505.000.

Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.

Usui, Hiroaki: *See—*

Hirao, Shozo; Usui, Hiroaki; Ohta, Yoshihiro; Nakai, Takashi; Ishikawa, Hiroyuki; and Konishi, Satoru, 4,857,365, Cl. 427-297.000.

Usui, Hirofumi: *See—*

Hakamada, Kunio; and Usui, Hirofumi, 4,870,492, Cl. 358-193.100.

Usui, Katumi: *See—*

Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yamaoka, Noboru; and Matsuura, Kazuo, 4,822,855, Cl. 525-194.000.

Usui, Kenji: *See—*

Matsuzaki, Katsumi; Usui, Kenji; and Ikemoto, Seishi, 4,795,604, Cl. 264-144.000.

Usui, Kiochi; Sato, Teiji; Tanaka, Masanori; and Takahashi, Noriyuki, to Mizusawa Industrial Chemicals, Ltd. Synthetic lamellar magnesium phyllosilicate and process for preparation thereof. 4,830,843, 5-16-89, Cl. 423-331.000.

Usui Kokusai Sangyo Kabushiki Kaisha: *See—*

Hashimoto, Yasuaki, 4,810,011, Cl. 285-116.000.

Hashimoto, Yasuaki; and Serizawa, Haruo, 4,857,413, Cl. 428-592.000.

Hitachi, Yuzo, 4,853,360, Cl. 502-439.000.

Hitachi, Yuzo; and Serizawa, Haruo, 4,857,500, Cl. 502-439.000.

Kanasashi, Toshio, 4,849,301, Cl. 428-623.000.

Kanesaka, Hiroshi, 4,802,452, Cl. 123-376.000.

Kosugi, Masaru, 4,865,279, Cl. 248-68.100.

Ono, Yuichi; and Takikawa, Kazunori, 4,796,571, Cl. 123-41.120.

Ono, Yuichi, 4,846,331, Cl. 192-58.00B.

Ono, Yuichi, 4,850,465, Cl. 192-58.00B.

Saegusa, Shigeru, 4,805,436, Cl. 72-306.000.

Sugao, Keizo, 4,832,376, Cl. 285-158.000.

Suzuki, Ryoichi, 4,848,523, Cl. 188-273.000.

Suzuki, Ryoichi, 4,858,734, Cl. 188-273.000.

Suzuki, Ryoichi, 4,886,148, Cl. 188-273.000.

Takahashi, Teruhisa; and Mizuhashi, Toshihiko, 4,795,503, Cl. 148-127.000.

Takahashi, Teruhisa; and Kajiyama, Masashi, 4,853,297, Cl. 428-623.000.

Takigawa, Kazunori; and Suzuki, Roichi, 4,840,348, Cl. 251-63.600.

Takigawa, Kazunori, 4,846,629, Cl. 416-223.00R.

Takigawa, Kazunori, 4,859,150, Cl. 416-223.00R.

Takigawa, Kazunori, 4,869,644, Cl. 416-235.000.

Takikawa, Kazunori; and Suzuki, Ryoichi, 4,819,696, Cl. 137-630.120.

Takikawa, Kazunori, 4,856,739, Cl. 248-74.200.

Umehara, Kazumasa, 4,819,970, Cl. 285-227.000.

Umehara, Kazumasa, 4,826,114, Cl. 248-74.100.

Umehara, Kazumasa, 4,832,377, Cl. 285-222.000.

Umehara, Kazumasa, 4,850,621, Cl. 285-322.000.

Usui, Masayoshi; and Washizu, Katsushi, 4,795,114, Cl. 248-62.000.

Usui, Masayoshi, 4,856,624, Cl. 188-273.000.

Usui, Masayoshi, 4,858,964, Cl. 285-156.000.

Washizu, Katsushi, 4,800,109, Cl. 428-34.900.

Watanabe, Ikuo, 4,875,711, Cl. 285-45.000.

Usui, Makoto; Murai, Katsumi; and Satoh, Isao, to Matsushita Electric Industrial Co., Ltd. Optical disk and optical disk apparatus with error correction. 4,821,253, 4-11-89, Cl. 369-54.000.

Usui, Makoto: *See—*

Murai, Katsumi; Usui, Makoto; and Satoh, Isao, 4,866,717, Cl. 371-40.300.

Murai, Katsumi; and Usui, Makoto, 4,873,679, Cl. 369-32.000.

Murai, Katsumi; and Usui, Makoto, 4,875,211, Cl. 371-40.100.

Usui, Masayoshi; and Washizu, Katsushi, to Usui Kokusai Sangyo Kabushiki Kaisha. Stationary clamping device. 4,795,114, 1-3-89, Cl. 248-62.000.

Usui, Masayoshi, to Usui Kokusai Sangyo Kabushiki Kaisha. Slide type exhaust brake system. 4,856,624, 8-15-89, Cl. 188-273.000.

Usui, Masayoshi, to Usui Kokusai Sangyo Kabushiki Kaisha. T-joint for connecting branch pipe. 4,858,964, 8-22-89, Cl. 285-156.000.

Usui, Masayuki: *See—*

Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Someya, Atsushi; and Suzuki, Masayuki, 4,872,743, Cl. 350-353.000.

Matsuoka, Kazuhiko; Usui, Masayuki; Minoura, Kazuo; Baba, Takeshi; Someya, Atsushi; and Nishimura, Yukuo, 4,865,426, Cl. 350-353.000.

Nishimura, Yukuo; Miyajima, Yuko; Minoura, Kazuo; Baba, Takeshi; Matsuoka, Kazuhiko; Usui, Masayuki; and Someya, Atsushi, 4,848,879, Cl. 350-353.000.

Usui, Minoru, to Casio Computer Co., Ltd. Liquid-crystal display apparatus. 4,816,816, 3-28-89, Cl. 340-784.000.

Usui, Minoru: *See—*

Kawamura, Masao; and Usui, Minoru, 4,859,998, Cl. 340-784.000.

Usui, Mitsunobu: *See—*

Sakaguchi, Masaaki; Usui, Mitsunobu; and Takagi, Akira, 4,817,884, Cl. 242-67.10R.

Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, 4,844,370, Cl. 242-67.10R.

Sakaguchi, Masaaki; and Usui, Mitsunobu, 4,846,420, Cl. 242-76.000.

Sakaguchi, Masaaki; and Usui, Mitsunobu, 4,867,388, Cl. 242-67.10R.

Usui, Motosuke, to Sony Corporation. Roller conveyer system. 4,844,231, 7-4-89, Cl. 198-345.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, to Sanyo Electric Co., Ltd. FM/FMX stereophonic receiver. 4,809,328, 2-28-89, Cl. 381-13.000.

Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishikawa, Tsutomu; Ishiguro, Kazuhisa; and Arai, Masashi, to Sanyo Electric Co., Ltd. FMX stereophonic receiver. 4,852,167, 7-25-89, Cl. 381-13.000.

Usui, Noboru: *See—*
- Ishikawa, Tsutomu; Usui, Noboru; Tanaka, Kanji; Ogawa, Ryuichi; Ishiguro, Kazuhisa; and Arai, Masashi, 4,864 537, Cl. 455-205.000.

Usui, Nobuhiro: *See—*
- Masui, Syohei; Matsumoto, Masahito; and Usui, Nobuhiro, 4,873,041, Cl. 264-135.000.

Usui, Norihisa; and Hihara, Hisashi, to Casio Computer Co., Ltd. Battery-powered type compact electronic equipment. 4,817,065, 3-28-89, Cl. 368-62.000.

Usui, Shiro, to Usui, Shiro; and Toyo Medical Co., Ltd. Method of analyzing an electroretinogram. 4,846,568, 7-11-89, Cl. 51-246.000.

Usui, Tadashi: *See—*
- Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Hitoshi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,829,944, Cl. 123-52.00M.
- Sukimoto, Minobu; Yamazaki, Katsumi; Hirunuma, Naohisa; Taguchi, Seijiro; Usui, Tadashi; Akiyoshi, Yasushi; Nogami, Toyoichiro; and Kaneko, Toyoji, 4,887,557, Cl. 123-52.0MC.

Usui, Takayuki: *See—*
- Senda, Akira; and Usui, Takayuki, 4,845,958, Cl. 62-418.000.

Usui, Toshifumi; Yanagisawa, Syozo; Kanamaru, Hisanobu; and Tsuruoka, Kazuhiro, to Hitachi, Ltd. Method of securing an elongated vibration amplifier member to an annular vibrating reed. 4,815,192, 3-28-89, Cl. 29-509.000.

Usui, Toshifumi: *See—*
- Arai, Nobukatsu; Sekine, Yoshihito; Osawa, Tadao; Tokuda, Hiroatsu; Usui, Toshifumi; and Tsutsui, Mitsukuni, 4,887,577, Cl. 123-494.000.

Usui, Toshinao: *See—*
- Kurono, Masayasu; Suzuki, Tsunemasa; Kondo, Yasuaki; Hamase, Kenji; Usui, Toshinao; Suzuki, Tomoo, Fukushima, Masato; and Sawai, Kiichi, 4,824,855, Cl. 514-356.000.
- Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.

Usui, Toshio, to Fujitsu Limited. High temperature environmental testing apparatus for a semiconductor device having an improved holding device and operation method of the same. 4,851,764, 7-25-89, Cl. 324-158.00F.

Usui, Yasunori; Okamura, Hiroshi; Uetake, Yoshinari; and Fujiwara, Takashi, to Kabushiki Kaisha Toshiba. Power semiconductor device. 4,882,612, 11-21-89, Cl. 357-79.000.

Usui, Yoshihiro: *See—*
- Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, 4,827,289, Cl. 346-76.0PH.

Usui, Yoshinori: *See—*
- Itahana, Hiroshi; Usui, Yoshinori; and Tsuboi, Takashi, 4,864,385, Cl. 357-82.000.

Usui, Yuichi: *See—*
- Kakii, Toshiaki; Toda, Yuichi; Usui, Yuichi; Osanai, Mitsuaki; Kashima, Norio; and Kato, Yasuyaki, 4,830,490, Cl. 356-73.100.

Usuki, Arimitsu; Mizutani, Tadashi; Fukushima, Yoshiaki; Fujimoto, Megumi; Fukumori, Kenzo; Kojima, Yoshitsugu; Sato, Norio; Kurauchi, Toshio; and Kamigaito, Osami, to Kabushiki Kaisha Toyota Chuo Kenkyusho. Composite material containing a layered silicate. 4,889,885, 12-26-89, Cl. 524-445.000.

Usuki, Naoshi: *See—*
- Kubo, Kanji; Usuki, Naoshi; Taniguchi, Hiroshi; and Furumoto, Mitsunobu, 4,816,930, Cl. 360-10.200.

Usuki, Sawako: *See—*
- Serikawa, Mitsuhiko; Usuki, Sawako; and Sato, Katsuaki, 4,868,357, Cl. 219-10.55B.

USX Corporation: *See—*
- Biber, Herbert E.; Kim, Chang D.; and Pfister, Larry E., 4,822,457, Cl. 204-28.000.
- Brockenbrough, Roger L.; and Douty, Donald L., 4,852,704, Cl. 188-376.000.
- Carmichael, Robert J.; Dykes, Charles D.; and Woodrow, Ronald, 4,830,089, Cl. 164-481.000.
- Gebhardt, Edwin J.; Keaton, George H.; and Sinar, Michael M., 4,832,276, Cl. 242-78.100.
- Gebhardt, Edwin J.; Keaton, George H.; Sinar, Michael M.; and Wendt, James N., 4,852,198, Cl. 15-77.000.
- Greene, Timothy R.; Oberlander, Jerry D.; Ostertag, Richard O.; and Vavra, Frank, 4,809,766, Cl. 164-151.000.
- Kaiser, Timothy D.; Daniel, Sabah S.; and Dykes, Charles D., 4,813,471, Cl. 164-451.000.

Utagawa, Ken; and Hamanishi, Yoshinari, to Nikon Corporation. Detecting apparatus for focus in camera. 4,812,868, 3-14-89, Cl. 354-402.000.

Utagawa, Ken; and Hoshino, Kunihisa, deceased (by Hoshino, Chie, legal representative), to Nikon Corporation. Camera system with vignetting calculation and memory means. 4,816,663, 3-28-89, Cl. 250-201.000.

Utagawa, Ken: *See—*
- Hoshino, Kunihisa, deceased; Hamanishi, Yoshinari; and Utagawa, Ken, 4,841,325, Cl. 354-402.000.
- Kusaka, Yosuke; and Utagawa, Ken, 4,812,636, Cl. 250-201.000.

Utah Bioresearch, Inc.: *See—*
- Brimhall, Owen D.; McLaughlin, Thomas J.; and Peterson, Stephen C., 4,804,355, Cl. 494-20.000.
- Brimhall, Owen D.; Peterson, Stephen C.; Kotlyar, Oleg; and Ghosh Roy, Dilip N., 4,874,358, Cl. 494-37.000.
- Sparks, Sam L.; Brimhall, Owen D.; Peterson, Stephen C.; and Baker, Charles D., 4,850,963, Cl. 600-29.000.

Utah Medical Products: *See—*
- Wallace, William D., 4,873,986, Cl. 128-670.000.

Utah Power & Light: *See—*
- White, Earl R., 4,805,702, Cl. 169-64.000.

Utah Scientific Advanced Development Center, Inc.: *See—*
- Hemsky, Robert L.; and Tucker, Terry L., 4,839,718, Cl. 358-22.000.
- Orsburn, Michael L.; Hemsky, Robert L., Tucker, Terry L. Schwarz, Robert E.; and Fearing, Craig F., 4,876,589, Cl. 358-22.000.

Utah State University Foundation: *See—*
- Miller, Gene W., 4,872,899, Cl. 71-11.000.

Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, to Kokusai Denshin Denwa Kabushiki Kaisha. Optical waveguide switch. 4,805,975, 2-21-89, Cl. 350-96.130.

Utaka, Katsuyuki; Akiba, Shigeyuki; and Matsushima, Yuichi, to Kokusai Denshin Denwa Kabushiki Kaisha. Method for manufacturing diffraction grating. 4,826,291, 5-2-89, Cl. 350-320.000.

Utaka, Katsuyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Variable wavelength semiconductor laser. 4,829,535, 5-9-89, Cl. 372-50.000.

Utaka, Katsuyuki; Sakai, Kazuo; and Matsushima, Yuichi, to Kokusai Denshin Denwa Kabushiki Kaisha. Wavelength tunable semiconductor laser with narrow band-pass active filter region. 4,852,10 7-25-89, Cl. 372-20.000.

Utaka, Katsuyuki; Sakai, Kazuo; Matsushima, Yuichi; and Akiba, Shigeyuki, to Kokusai Denshin Denwa Kabushiki Kaisha. Variable waveguide optical branching filter. 4,874,216, 10-17-89, Cl. 350-96.190.

Utaka, Katsuyuki: *See—*
- Sakai, Kazuo; Matsushima, Yuichi; and Utaka, Katsuyuki, 4,795,225, Cl. 350-96.130.
- Usami, Masashi; Akiba, Shigeyuki; Utaka, Katsuyuki; and Matsushima, Yuichi, 4,815,090, Cl. 372-50.000.

Utamura, Shinji: *See—*
- Hamasaki, Bunei; Utamura, Shinji; and Nakai, Akiya, 4,811,059, Cl. 355-77.000.
- Nakai, Akiya; Hamasaki, Bunei; and Utamura, Shinji, 4,881,100, Cl. 355-53.000.

UTB Umwelttechnik Buchs AG: *See—*
- Gorlich, Lothar, 4,874,589, Cl. 423-220.000.
- Gorlich, Lothar, 4,880,606, Cl. 423-220.000.

Utberg, Daniel N.: *See—*
- Goodfellow, Douglas J.; and Utberg, Daniel N., 4,866,510, Cl. 358-13.000.

UTDC Inc.: *See—*
- Smith, Ray; and Ladouceur, Stanley, 4,835,693, Cl. 364-426.010.
- Smith, Roy E., 4,860,666, Cl. 105-168.000.

UTEC B.V.: *See—*
- Taylor, Hugh F.; Theobald, David R.; and Bernard, Derek J. C. 4,850,329, Cl. 124-68.000.

Utena, Shunsuke: *See—*
- Arita, Setsuo; Utena, Shunsuke; Murata, Fumio; Noguchi, Atomi; Izumi, Shigeru; Suzuki, Satoshi; and Ookido, Fumiyasu 4,843,537, Cl. 364-187.000.

Utex Industries, Inc.: *See—*
- Pippert, Aaron J., 4,839,983, Cl. 43-42.060.
- Rogers, John T., 4,860,995, Cl. 251-356.000.

Uthe, P. Michael; and Bamburak, Paul S., to Crestek, Inc. Ultrasonic wire bonding quality monitor and method. 4,815,001, 3-21-89, Cl. 364-477.000.

Uthoff, Loren H.; and Mohan, Robert J., to Eaton Corporation. Method and apparatus for positioning a torque motor armature. 4,850,322, 7-25-89, Cl. 123-399.000.

Utica Engineering Company: *See—*
- Dacey, Ernest A., Jr., 4,827,595, Cl. 29-432.200.

Utica Enterprises, Inc.: *See—*
- Dacey, Ernest A., Jr., 4,813,125, Cl. 29-714.000.
- Dacey, Ernest A., Jr., 4,884.431, Cl. 72-334.000.

Utile Engineering Co. Ltd., The: *See—*
- Poole, Robert E., 4,826,407, Cl. 418-15.000.

Utility Power Group: *See—*
- West, Rick, 4,868,379, Cl. 250-203.00R.

Utility Systems Corporation: *See—*
- Frew, Larry H.; and Fuller, Melvin L., 4,803,632, Cl. 364-464.040.

Utility Trailer Manufacturing Co.: *See—*
- Bennett, Walter, 4,826,236, Cl. 296-181.000.
- Bennett, Walter; and Horton, Terry F., 4,828,316, Cl. 296-181.000.

Utiumi, Shinichiro: *See—*
- Kawamura, Hirotaka; Ohtsu, Norio; and Utiumi, Shinichiro, 4,889,943, Cl. 558-71.000.

Utiyama, Kajuyosi: *See—*
- Hayashi, Sensuke; Tokushima, Yasuo; Ota, Kouji; Hashimoto, Hirofumi; Utiyama, Kajuyosi; Umeda, Masahiro; Kondo, Kaoru; and Kaji, Yosifumi, 4,809,885, Cl. 222-174.000.

Utner, Ferdinand, to Siemens Aktiengesellschaft. Capacitor mounted in a plastic cup and method for manufacturing such device. 4,853,825, 8-1-89, Cl. 361-306.000.

Uto, Nobutaka: *See—*
- Iida, Noriyoshi; Uto, Nobutaka; Hiroi, Masakazu; and Hoshi, Akimitsu, 4,883,265, Cl. 271-220.000.

Uto, Shozo: *See—*
- Hasegawa, Kaoru; Uto, Shozo; and Hashimoto, Suzushi, 4,804,041, Cl. 165-166.000.

Utoh, Yoshihiro; and Suda, Koichiro, to Kabushiki Kaisha Toshiba. Hand set. 4,803,724, 2-7-89, Cl. 379-433.000.

Utomo, Riuzi: *See—*
- Uenaka, Kazushige; Takase, Haruo; Utomo, Riuzi; and Akimoto, Masuo, 4,797,698, Cl. 354-275.000.

Utopia International: *See—*
- Williams, Kenneth A., 4,821,891, Cl. 211-31.000.

UTP Schweissmaterial GmbH & Co. KG: *See—*
- Huhne, Erwin D., 4,835,022, Cl. 427-423.000.

Utreja, Laipat R.; and Gurley, William H., to BDM Corporation, The. Aircraft hollow nose cone. 4,850,275, 7-25-89, Cl. 102-293.000.

Utsch, Berthold: *See—*
- Corbach, Rainer; Mohr, Adolf; Utsch, Berthold; and Zimmermann, Kurt, 4,827,173, Cl. 310-218.000.

Utsuda, Tetsuji; Onga, Takeo; Sato, Taketo; Suzuki, Teruo; Mikami, Atsutoshi; Suda, Hironobu; and Sugimoto, Hideo, to Toppan Printing Co., Ltd. Film checking apparatus. 4,816,903, 3-28-89, Cl. 358-76.000.

Utsugi, Isao: *See—*
- Wakabayashi, Manabu; Sampei, Tohru; Kanai, Hiroshi; Satoo, Tomiyoshi; Nagano, Yosuke; Sonobe, Takeo; and Utsugi, Isao, 4,796,140, Cl. 360-133.000.

Utsui, Masaaki: *See—*
- Chikamasa, Hiroshi; Utsui, Masaaki; and Nojiri, Yasutami, 4,840,818, Cl. 427-130.000.

Utsumi, Atsushi; Okuno, Shinichi; and Hayami, Hiroyuki, to Mitsubishi Cable Industries, Ltd. Super-thin fiberscope. 4,867,529, 9-19-89, Cl. 350-96.250.

Utsumi, Hiroshi: *See—*
- Sasaki, Yutaka; Nakamura, Yoshimi; Utsumi, Hiroshi; and Mori, Kunio, 4,826,802, Cl. 502-206.000.

Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwao; and Koshino, Nagaaki, to Fujitsu Limited. Process for manufacturing an optical recording medium. 4,889,746, 12-26-89, Cl. 427-162.000.

Utsumi, Noriyuki, to Tokico Ltd. Work position error detecting apparatus. 4,831,561, 5-16-89, Cl. 364-560.000.

Utsumi, Shigeo, to Diafoil Company, Limited. Uniaxially high-oriented polyethylene naphthalate film for liquid crystal panel substrates. 4,799,772, 1-24-89, Cl. 350-339.00R.

Utsumi, Shigeo, to Diafoil Company, Limited. Polyethylene-2,6-naphthalate film for magnetic recording tapes. 4,804,736, 2-14-89, Cl. 528-176.000.

Utsumi, Shigeo, to Diafoil Company, Limited. Thermal transfer (printing) material. 4,812,360, 3-14-89, Cl. 428-337.000.

Utsumi, Shigeo, to Diafoil Company, Limited. Polyethylene-2,6-naphthalate film for capacitor. 4,814,221, 3-21-89, Cl. 428-220.000.

Utsumi, Shigeo; and Fukuda, Yujiro, to Diafoil Company, Limited. Shrinkable polyester film for packaging. 4,814,426, 3-21-89, Cl. 528-272.000.

Utsumi, Shigeo, to Diafoil Company, Limited. Polyethylene naphthalate film for high-density magnetic recording media of floppy disk. 4,876,137, 10-24-89, Cl. 428-141.000.

Utsumi, Shigeo: *See—*
- Fukuda, Yujiro; Utsumi, Shigeo; Tomitaka, Kichinojyo; and Takisawa, Toshifumi, 4,865,898, Cl. 428-141.000.

Utsumi, Tatsuo: *See—*
- Taniguchi, Toru; Yamada, Yozo; and Utsumi, Tatsuo, 4,834,549, Cl. 366-286.000.

Utsumi, Wataru: *See—*
- Taguchi, Satoshi; and Utsumi, Wataru, 4,842,665, Cl. 156-155.000.

Utsumi, Yozo: *See—*
- Oyamada, Kimiyuki; and Utsumi, Yozo, 4,807,954, Cl. 350-96.150.

Utsunomiya, Akira: *See—*
- Inoue, Tadashi; Ohkoba, Akira; Sakashita, Kunio; Utsunomiya, Akira; Shinozaki, Takeki; and Ieda, Minoru, 4,797,265, Cl. 423-320.000.

Utsunomiya, Hajime: *See—*
- Uchiyama, Kenji; Ishizaki, Hideki; Utsunomiya, Hajime; and Takayama, Suguru, 4,849,304, Cl. 428-694.000.

Utsunomiya, Kyoshi: *See—*
- Chikamune, Kaoru; Tokuda, Manabu; Inoue, Kazuo; Utsunomiya, Kyoshi; and Hitofude, Yoshii, 4,877,456, Cl. 106-270.000.

Utsunomiya, Shin; Okumura, Mitsuhiro; and Morita, Takeshi, to Agency of Industrial Science and Technology; and Mitsubishi Denki Kabushiki Kaisha. Method for forming a fiber-reinforced metal sheet. 4,886,108, 12-12-89, Cl. 164-461.000.

Utsunomiya, Taizo: *See—*
- Koba, Keiichiro; Utsunomiya, Taizo; Saitow, Yoshiaki; Iwanaga, Katsusuke; Matsue, Michihiko; and Nishitani, Noriaki, 4,812,271, Cl. 264-63.000.

Uttamchandani, Deepak G.: *See—*
- Culshaw, Brian; and Uttamchandani, Deepak G., 4,844,585, Cl. 350-96.290.

Utecht, Gary W.; Hoover, Danny E.; and Klopp, Stephen W., to Gyrodata, Inc. Stabilized reference geophone system for use in downhole environment. 4,800,981, 1-31-89, Cl. 181-104.000.

Uterback, Eugene C. Pipeline padding machine and method. 4,861,461, 8-29-89, Cl. 209-234.000.

Uttscheid, Georg: *See—*
- Koslowski, Gunter; and Uttscheid, Georg, 4,876,965, Cl. 104-127.000.

Utyamyshev, Rustam I.: *See—*
- Babaian, Eduard A.; Gerasimova, Galina A.; Davydov, Anatoly B.; Utyamyshev, Rustam I.; Khromov, Gennady L.; Metelitsa, Vladimir I., Vikhert, Anatoly M.; Savvateev, Konstantin L.; Piotrovsky, Vladimir K.; and Novikova, Elizaveta B., 4,842,854, Cl. 424-81.000.
- Belykh, Sergei I.; Davydov, Anatoly B.; Moschensky, Anatoly D.; Kanshin, Nikolai N.; Kovalenko, Igor L.; Kirillov, Jury B.; Osipov, Gennady I., and Utyamyshev, Rustam I., 4,875,479, Cl. 128-335.500.

Utz, Alice. Surgical clamp. 4,832,027, 5-23-89, Cl. 126-337.000.

Utz, Andreas: *See—*
- Moll, Reiner; and Utz, Andreas, 4,879,955, Cl. 108-50.000.

Utz, Q. Wayne: *See—*
- Bailey, James B.; Gibson, Robert R.; Nunley, Alvin, III; and Utz, Q. Wayne, 4,873,676, Cl. 367-98.000.

Utzig, Jacob J.: *See—*
- Kaneko, Takushi; Wong, Henry S.; and Utzig, Jacob J., 4,808,613, Cl. 514-42.000.

Utzinger, Gustav E. Method and apparatus for counter current liquid-liquid extraction. 4,879,037, 11-7-89, Cl. 210-634.000.

Uuskallio, Arvo F., to Brigg & Stratton Corporation. Engine speed control cable clamp. 4,823,752, 4-25-89, Cl. 123-400.000.

Uuskallio, Arvo F.: *See—*
- Kolinske, Edmund C.; and Uuskallio, Arvo F., 4,889,006, Cl. 74-502.400.

Uvdal, Jonas P.: *See—*
- Appelgren, Curt H.; Eskilsson, Eva C.; and Uvdal, Jonas P., 4,840,799, Cl. 424-493.000.

UVEX Winter Optik GmbH: *See—*
- Wiedner, Klaus, 4,835,796, Cl. 2-431.000.

Uy, Rosa: *See—*
- Hendrickson, Carol E.; Uy, Rosa; and Mencke, Arlene J., 4,855,234, Cl. 435-181.000.
- Mencke, Arlene J.; Hendrickson, Carol E.; and Uy, Rosa, 4,829,001, Cl. 435-264.000.

Uy, William C., to Du Pont de Nemours, E. I., and Company. Spinnable dopes and articles therefrom. 4,810,735, 3-7-89, Cl. 524-157.000.

Uya, Masaru: *See—*
- Tsukamoto, Masao; Kawamoto, Kinji; and Uya, Masaru, 4,815,352, Cl. 84-1.010.

Uya, Shinji, to Kabushiki Kaisha Toshiba. Lamination type solid image pick up apparatus for avoiding a narrow channel effect. 4,884,143, 11-28-89, Cl. 358-213.280.

Uyama, Shintaro; and Ohta, Ryuji, to Jidosha Kiki Co., Ltd. Actuator casing. 4,807,521, 2-28-89, Cl. 92-169.00R.

Uyama, Shintaro; Ohta, Ryuji; and Inoue, Yoshimichi, to Jidosha Kiki Co., Ltd. Brake booster with seal housing and key member. 4,846,047, 7-11-89, Cl. 91-369.400.

Uyehara, Hajime, to Smith International, Inc. Method of making a sealing element. 4,851,068, 7-25-89, Cl. 156-245.000.

Uyemura, Kohichi, to Kanai Juyo Kogyo Kabushiki Kaisha. Traveller setter. 4,864,720, 9-12-89, Cl. 29-765.000.

Uyka, Dieter: *See—*
- David, Thomas; and Uyka, Dieter, 4,800,874, Cl. 128-92.0YP.

Uys, Pieter. Cable ladders. 4,802,643, 2-7-89, Cl. 248-49.000.

Uytterhoeven, Herman J.: *See—*
- Tavernier, Serge M.; Marien, August M.; and Uytterhoeven, Herman J., 4,853,311, Cl. 430-106.000.

Uzawa, Masamitsu: *See—*
- Honma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.

Uzawa, Satoshi: *See—*
- Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, 4,881,005, Cl. 313-422.000.

Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, to Canon Kabushiki Kaisha. Image transmission apparatus. 4,796,301, 1-3-89, Cl. 455-607.000.

Uzawa, Shunichi; Mori, Tetsuzo; and Koumura, Noboru, to Canon Kabushiki Kaisha. Image information transmitting system. 4,882,776, 11-21-89, Cl. 455-617.000.

Uzawa, Yoji: *See—*
- Miyazaki, Toshimasa; Uzawa, Yoji; Okawa, Kazuyoshi; Kawashima, Hiroshi; Moriya, Kazumasa; Murakawa, Yoshitaka; Kumagai, Toshimitsu; Nakamura, Akihiro; Itoh, Motohiko; and Kashiwazaki, Tomoyuki, 4,849,664, Cl. 310-12.000.

Uzpurvis, Eugenijus: *See—*
- Frechette, Raymond A.; and Uzpurvis, Eugenijus, 4,868,635, Cl. 357-70.000.

Uzuda, Tetsuji; Kuramoto, Takashi; Onga, Takeo; Suzuki, Teruo; Koizumi, Masaru; and Kondo, Takeo, to Toppan Printing Co., Ltd. Silhouette cutting apparatus. 4,882,622, 11-21-89, Cl. 358-80.000.

Uzuki, Kazuo: *See—*
- Koyama, Osamu; Uzuki, Kazuo; Shiho, Makoto; and Aoi, Shigeru, 4,853,917, Cl. 369-44.000.

V.B. Di Gamberini Enzo: *See—*
- Gamberini, Enzo, 4,874,280, Cl. 414-234.000.

V.Com S.A.: *See—*
- Jaluzot, Yves, 4,813,146, Cl. 33-1.00M.

v.d. Nieuwelaar, Josephus A.; and Janssen, Petrus C. M., to Stork PMT B.V. Plucking device. 4,811,458, 3-14-89, Cl. 17-11.10R.

- V. E. Holding Corporation: *See—*
  - White, Richard L., 4,833,793, Cl. 34-22.000.
- V and H Enterprises, Ltd.: *See—*
  - Steiger Jr., H. M.; and Catania, Victor M., 4,854,856, Cl. 431-253.000.
- V.I.K.-Consult ApS: *See—*
  - Korsgaard, Vagn, 4,843,774, Cl. 52-408.000.
- V. Kann Rasmussen Industri A/S: *See—*
  - Nielsen, Per G.; Nielsen, Elgard; and Nygaard, Steen, 4,796,933, Cl. 292-265.000.
  - Sonderby, Svend A., 4,846,248, Cl. 160-319.000.
  - Sonderby, Svend A., 4,883,109, Cl. 160-32.000.
- V. R. Systems, Inc.: *See—*
  - Perry, Joseph W.; Uhl, Jonathan T.; Davis, Thomas L.; and Potts, David E., 4,846,134, Cl. 123-520.000.
- V.S.I. Corporation: *See—*
  - Batten, Ronald W., 4,862,773, Cl. 81-55.000.
- v. Scarpatetti, Diether; and Sahm, Dietrich, to Daimler-Benz Aktiengesellschaft. Current supply system for track-guidable, rubber-tired, electrically propulsive vehicles. 4,888,454, 12-19-89, Cl. 191-30.000.
- V-Tech, Inc.: *See—*
  - Parker, James E., 4,797,260, Cl. 422-101.000.
- V-Tronics Corporation: *See—*
  - Milde, Karl F., Jr., 4,807,101, Cl. 362-276.000.
  - Milde, Karl F., Jr., 4,843,370, Cl. 340-466.000.
- VA Inc.: *See—*
  - Pasquarella, Stephen T., 4,884,160, Cl. 361-18.000.
- Vaahs, Tilo, to Hoechst Aktiengesellschaft. Si,Si'diorganyl-N-alkyl-tetrachloro-disilazanes and a process for their preparation. 4,882,448, 11-21-89, Cl. 556-412.000.
- Vaananen, Raimo, to Partek Corporation. Method and a device for the generation of hot air. 4,811,723, 3-14-89, Cl. 126-113.000.
- Vac Tec Systems, Inc.: *See—*
  - Weekley, David L.; and Parker, Ivan, 4,840,297, Cl. 222-607.000.
  - Welty, Richard P., 4,814,056, Cl. 204-298.000.
  - Welty, Richard P., 4,865,708, Cl. 204-192.120.
- Vac-U-Max: *See—*
  - Pendleton, Stevens P.; and Worsford, Herbert A., 4,810,156, Cl. 414-415.000.
- Vacant, Andre, to GEP Groupe Pasquier. Machining device, especially for a robot used for the carding of leather. 4,835,995, 6-6-89, Cl. 69-6.500.
- Vacca, Alberto: *See—*
  - Besio, Mauro; Vacca, Alberto; and Vallarino, Angelo, 4,849,326, Cl. 430-512.000.
- Vacca, Joseph P.: *See—*
  - Baldwin, John J.; Huff, Joel R.; Vacca, Joseph P.; Young, Steven D.; deSolms, Jane; and Guare, James P., Jr., 4,824,849, Cl. 514-267.000.
  - Baldwin, John J.; Huff, Joel R.; deSolms, Susan J.; Vacca, Joseph P.; Wiggins, Jonathan M.; and Young, Steven D., 4,831,035, Cl. 514-256.000.
- Vaccari, Giorgio: *See—*
  - Gamberini, Antonio; and Vaccari, Giorgio, 4,865,679, Cl. 156-497.000.
- Vaccaro, Anthony J.: *See—*
  - Bishara, Jeries I.; Vaccaro, Anthony J.; and Rudd, Eric J., 4,822,509, Cl. 252-62.560.
  - de Nora, Vittorio; Penny, Robert D.; Frank, Lawrence L.; Vaccaro, Anthony J.; and Stewart, James J., 4,834,850, Cl. 204-109.000.
- Vaccaro, Dennis E.: *See—*
  - Durda, Paul J.; Green, David J.; Stone, Marcia J.; and Vaccaro, Dennis E., 4,814.275, Cl. 435-240.270.
- Vaccaro, Joseph P.: *See—*
  - Schrank, Douglas A.; Carter, Thomas W.; Vaccaro, Joseph P.; and Lane, William R., 4,834,631, Cl. 417-283.000.
- Vaccaro, Nioola, to Nick Vaccaro International. Air mattress. 4,876,756, 10-31-89, Cl. 5-455.000.
- Vaccaro, Robert K., to Air-Shields, Inc. Infant incubator mattress positioning assembly. 4,885,918, 12-12-89, Cl. 600-22.000.
- Vacchiano, Sergio; Lanfranco, Giovanni; and Gubiotti, Roberto, to Centro Sviluppo Materiali S.p.A. Austenitic steel with improved high-temperature strength and corrosion resistance. 4,824,636, 4-25-89, Cl. 420-59.000.
- Vacchiano, Ted. Portable workbench and power saw stand. 4,860,807, 8-29-89, Cl. 144-286.00R.
- Vacco Industries: *See—*
  - Primavera, Stephen W.; Burbank, John J., Jr.; and Neault, Garrett J., 4,883,588, Cl. 210-117.000.
- Vach, Wilhelm: *See—*
  - Mueller, Karl-Heinz; Betz, Hans; Vach, Wilhelm; and Krenner, Johann, 4,856,037, Cl. 378-34.000.
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Baccalaro, Valter; and Beccaris, Carlo, 4,817,775, Cl. 192-89.00B.
Bertin, Patrice; Sevennec, Yvon, and Pankowiak, Christian, 4,828,093, Cl. 192-90.000.
Bouvot, Jean F., 4,875,388, Cl. 74-579.00R.
Brasse, Jean-Jacques; and Bonfilio, Ciriaco, 4,854,918, Cl. 474-11.000.
Brasse, Jean-Jacques; and Bonfilio, Ciriaco, 4,861,317, Cl. 474-11.000.
Broglio, Marco, 4,846,265, Cl. 165-104.320.
Casse, Pierre; and Billet, Rene, 4,844,222, Cl. 192-3.280.
Casse, Pierre; and Chasseguet, Gustave, 4,874,350, Cl. 464-68.000.
Chasseguet, Gustave; Naudin, Jacky; and Casse, Pierre, 4,838,39 Cl. 188-378.000.
Chasseguet, Gustave; and Paquin, Jacques. 4,889,218, Cl. 192-106.200.
Corral, Cecilio M.; Perez, Carlos L.; and Fernandez, Jose F. 4,869,355, Cl. 192-98.000.
Despres, Dominique; and Paquin, Jacques, 4,820,239, Cl. 464-68.000.
Focqueur, Herve ; Jumel, Bernard; and Blard, Michel, 4,828,53 Cl. 464-24.000.
Gay, Christian; and Lassiaz, Philippe, 4,852,710, Cl. 192-98.000.
Gay, Christian; and Lassiaz, Philippe, 4,872,539, Cl. 192-98.000.
Gay, Christian; and Lassiaz, Philippe, 4,878,572, Cl. 192-98.000.
Gay, Christian; and Lassiaz, Philippe, 4,881,629, Cl. 192-98.000.
Gay, Christian; and Lassiaz, Philippe, 4,883,155, Cl. 192-98.000.
Graton, Michel; and Jochun, Alain, 4,860,871, Cl. 192-106.100.
Grunberg, Pierre; Mouza, Jean-Claude; and Bertin, Patrice 4,829,221, Cl. 318-587.000.
Grunberg, Pierre, 4,878,396, Cl. 74-518.000.
Hamelin, Gilbert; and Palma, Lucien, 4,825,139, Cl. 322-90.000.
Lassiaz, Philippe; Villata, Gino; and Beccaris, Carlo, 4,854,436, Cl. 192-98.000.
Loizeau, Pierre, 4,800,996, Cl. 192-106.100.
Naudin, Jacky, 4,828,083, Cl. 192-52.000.
Naudin, Jacky, 4,854,029, Cl. 29-458.000.
N'Guyen, Huu Can, 4,803,376, Cl. 290-22.000.
Perilhon, Alain F., 4,814,675, Cl. 318-254.000.
Rohrle, Dieter; Graton, Michel; and Lhermitte, Philippe, 4,883,15 Cl. 192-106.200.
Valeo Systemes d'Essuyage: *See—*
Raymond, Bernard, 4,831,680, Cl. 15-250.420.
Raymond, Bernard, 4,878,263, Cl. 15-250.320.
Valeo Vision: *See—*
Dorleans, Guy, 4,884,174, Cl. 362-61.000.
Montet, Maurice, 4,872,096, Cl. 362-226.000.
Valera Electronics Inc.: *See—*
Jackson, Ronald E., 4,886,110, Cl. 165-22.000.
Valeri, Cesare R., to Autologous Blood Corporation. Apparatus and method for storing and processing blood. 4,804,363, 2-14-89, Cl. 604-6.000.
Valeri, Marco; and Rocchini, Carlo A., to Alcatel N.V. Terminal access protocol circuit for optical fiber star network. 4,813,012, 3-14-89, Cl. 364-900.000.
Valeri, Stephen J.; Jain, Kailash C.; and MacIver, Bernard A., to General Motors Corporation. JMOS transistor utilizing polysilicon sinks. 4,811,063, 3-7-89, Cl. 357-22.000.
Valeri, Stephen J.: *See—*
Erskine, James C.; and Valeri, Stephen J., 4,881,512, Cl. 123-628.000.
Valerio, James: *See—*
Imel, Michael T.; Lai, Konrad; Myers, Glenford J.; Steck, Randy; and Valerio, James, 4,823,260, Cl. 364-200.000.
Valerio, Michael A., to Sherwood Medical Company. Autologous transfusion system and apparatus. 4,834,743, 5-30-89, Cl. 604-403.000.
Valero, Robert; Mounier, Jean-Pierre; and Berruyer, Yves. Method and programmable device for transcoding character strings. 4,866,445, 9-12-89, Cl. 341-106.000.
Valet, Andreas: *See—*
Slongo, Mario; Rody, Jean; Sitek, Franciszek; and Valet, Andreas, 4,880,859, Cl. 524-91.000.
Valette, Pascale; and (Gueugnon) Chaniot, Catherine, to Bull S.A. High-frequency light polarization modulator device. 4,810,065, 3-7-89, Cl. 350-355.000.
Valette, Serge, to Commissariat A L'Energie Atomique. Reading head in integrated optics for reading information recorded on a magnetic support. 4,796,226, 1-3-89, Cl. 365-122.000.

Valette, Serge: *See—*
Gidon, Pierre; Lizet, Jacques; and Valette, Serge, 4,865,453, Cl. 356-358.000.
Valev, Assen, to Steyr-Daimler-Puch Aktiengesellschaft. Reciprocating internal combustion engine and support assembly. 4,834,041, 5-30-89, Cl. 123-198.00E.
Valev, Assen, to Steyr-Daimler-Puch Aktiengesellschaft. Internal combustion engine provided with a sound-insulating enclosure. 4,836,160, 6-6-89, Cl. 123-198.00E.
Valev, Assen, to Steyr-Daimler-Puch AG. Assembly for mounting an exhaust system on an exhaust gas source source of an internal combustion engine. 4,860,852, 8-29-89, Cl. 181-240.000.
Valhi Inc.: *See—*
Craig, Clark E., 4,882,919, Cl. 70-208.000.
Vali, Enn, to Westinghouse Canada Inc. Controlled acceleration deceleration circuit for optical tracers. 4,853,527, 8-1-89, Cl. 250-202.000.
Vali, Enn, to Westinghouse Canada Inc. Line tracer improved corner circuit with speed varying sampling. 4,888,478, 12-19-89, Cl. 250-202.000.
Valia, Kirti H.: *See—*
Chien, Yie W.; Lee, Chia-Shun; Valia, Kirti H.; and Chien, Te-Yen, 4,883,669, Cl. 424-448.000.
Valiani, Bruno, to Omet S.m.c. di Volentieri & Co. Sausage-making machine (sausage-filler) for sausages and other similar products. 4,821,377, 4-18-89, Cl. 17-37.000.
Valiant, Dimitri. Spinnaker launching and dousing device. 4,831,949, 5-23-89, Cl. 114-104.000.
Valiant, Mary E.: *See—*
Gadebusch, Hans H.; and Valiant, Mary E., 4,871,741, Cl. 514-255.000.
Valid Technologies, Ltd.: *See—*
Solo, Alan J., 4,801,790, Cl. 235-487.000.
Valimont, James L.: *See—*
Wood, Robert B.; Thomas, Mark A.; Valimont, James L.; Littell, H. Edward, Jr.; and Freeman, Glenn E., 4,842,389, Cl. 350-3.700.
Valin, Andre L., to Sachs-Huret S.A. Sprocket having teeth of improved shape and a cycle free-wheel including said sprocket. 4,813,916, 3-21-89, Cl. 474-152.000.
Valint, Paul L.; Bock, Jan; and Jacques, Donald F., to Exxon Research and Engineering Company. Hydrophobically functionalized cationic polymers. 4,835,234, 5-30-89, Cl. 526-258.000.
Valint, Paul L.: *See—*
Bock, Jan; Valint, Paul L.; and Jacques, Donald F., 4,831,092, Cl. 526-209.000.
Valio Meijerien Keskusosuusliike: *See—*
Harju, Matti, 4,820,348, Cl. 127-46.200.
Harju, Matti; and Heikonen, Matti, 4,855,056, Cl. 210-638.000.
Valiton, Anne S.: *See—*
Sager, David J.; Valiton, Anne S.; Stickney, Jay C.; and Ramanujan, Raj K., 4,881,165, Cl. 364-200.000.
Valiulis, Stanley C., to Southern Imperial, Inc. Hanger assembly with two-arm hanger and mounting bracket. 4,850,557, 7-25-89, Cl. 248-220.400.
Valiulis, Stanley C.; and Donnelli, Joseph W., to Southern Imperial, Inc. Inventory control device for display hook. 4,869,376, 9-26-89, Cl. 211-59.100.
Valkenburg, Brand C.; de Graaf, Stephanus A. G.; Bohler, Joachim; and Vollbrecht, Rolf, to AKZO NV. Composite matting with reinforcement. 4,851,277, 7-25-89, Cl. 428-167.000.
Valkenburg, Johannes: *See—*
Van Weerden, Jan; Valkenburg, Johannes; and van der Spek, Ferdinand, 4,854,953, Cl. 55-483.000.
Valkestijn, Leonardus: *See—*
Barbu, Stefan; Valkestijn, Leonardus; and van de Kerkhof, Franciscus A. M., 4,815,026, Cl. 364-900.000.
Valkonet, Lourens: *See—*
Van Der Borst, Johannes; Valkonet, Lourens; and Vreugdenhil, Frans G., 4,870,281, Cl. 250-374.000.
Vallance, Michael A.; Tomkinson-Walles, Gayle D.; and Johnson, Roger N., to General Electric Company. Method for the impregnation of filament wound structures with thermoplastic binders. 4,865,787, 9-12-89, Cl. 264-101.000.
Vallarino, Angelo, to Minnesota Mining and Manufacturing Company. Surface treatment of pet film. 4,863,801, 9-5-89, Cl. 428-414.000.
Vallarino, Angelo: *See—*
Besio, Mauro; Vacca, Alberto; and Vallarino, Angelo, 4,849,326, Cl. 430-512.000.
Loiacono, Marco; and Vallarino, Angelo, 4,822,728, Cl. 430-551.000.
Vallat, Xavier; and Renaud, Pierre. Communication device for entries of buildings. 4,851,811, 7-25-89, Cl. 340-326.000.
Vallat, Yves: *See—*
Garrel, Andre ; Vallat, Yves; Bousquet, Frederic; and Verdier, Jean-Louis, 4,815,975, Cl. 433-189.000.
Valle, Jaime, to Nalco Chemical Company. Cement grinding aid compositions. 4,828,624, 5-9-89, Cl. 106-90.000.
Valle, Manuel B.: *See—*
Yeh, Kwang; and Valle, Manuel B., 4,847,146, Cl. 428-332.000.
Valle, Mark S.: *See—*
Sellar, James R.; Reisdorf, James E.; Lappies, Mark F.; and Valle, Mark S., 4,852,740, Cl. 206-444.000.
Valleau, Edward C. Fish filleting device. 4,815,169, 3-28-89, Cl. 17-70.000.
Vallee, Bernard, to Societe Industrielle et Commerciale de Materiel Aeronautique Societe Anonyme. Structure forming a mounting for a seat of an air transport craft. 4,861,103, 8-29-89, Cl. 297-216.000.
Vallee, Bert L.: *See—*
Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,853,219, Cl. 424-85.800.
Alderman, Edward M.; Fett, James W.; and Vallee, Bert L., 4,879,222, Cl. 435-68.000.
Vallee, Daniel: *See—*
Allard, Pierre; Lefebvre, Robert; Vallee, Daniel; and Berton, Pierre, 4,852,348, Cl. 60-270.100.
Vallee, Jean-Claude A.: *See—*
Thillays, Jacques C.; and Vallee, Jean-Claude A., 4,797,715, Cl. 357-17.000.
Vallejo, Edward, Jr. Portable gas-fired cooking unit. 4,809,671, 3-7-89, Cl. 126-39.00R.
Vallejo, Luiz E. D.: *See—*
Rosado, Serafin M.; and Vallejo, Luiz E. D., 4,838,027, Cl. 60-671.000.
Vallejos, Tony E., to Alto Automotive, Inc. Low profile internal combustion engine. 4,846,138, 7-11-89, Cl. 123-657.000.
Vallera, Daniel A.: *See—*
Buchsbaum, Donald J.; and Vallera, Daniel A., 4,831,122, Cl. 530-389.000.
Vallerand, Ivan. Method and device for plugging a hole. 4,811,531, 3-14-89, Cl. 52-127.500.
Vallery, Stafford J.: *See—*
Schlesch, Ronald D.; Armstrong, Merrill H.; Vallery, Stafford J.; and Durham, Harold S., 4,875,428, Cl. 114-255.000.
Vallet, Francois: *See—*
de Chambost, Emmanuel; Micheron, Francois; Vallet, Francois; and Vignolle, Jean-Michel, 4,873,455, Cl. 307-201.000.
Valley Blox, Inc.: *See—*
Dorsey, Wayne W.; and Thurston, James G., 4,867,411, Cl. 249-11.000.
Valley, Charles R. Fluid drippage absorption and collection devices. 4,826,030, 5-2-89, Cl. 220-1.00C.
Valley, Harold J. Retainer for door handle. 4,877,278, 10-31-89, Cl. 292-350.000.
Valley, Irvin L. Airport twenty-four hour pilot information markers. 4,879,965, 11-14-89, Cl. 116-209.000.
Valleylab, Inc.: *See—*
Newton, David W., 4,827,927, Cl. 128-303.140.
Valliades, John F.; and Mileos, George. Razor assembly. 4,850,107, 7-25-89, Cl. 30-41.000.
Vallier, Thierry: *See—*
Geuskens, Georges; Deltour, Robert; and Vallier, Thierry, 4,809,470, Cl. 428-323.000.
Vallieres, Louis. Combination toothbrush and dental floss holder. 4,887,621, 12-19-89, Cl. 132-309.000.
Vallis, Joseph. Lotion and cream applicator, and body roller and massager. 4,813,404, 3-21-89, Cl. 128-57.000.
Vallko S.r.l.: *See—*
Alfonso, Lelio, 4,796,947, Cl. 296-223.000.
Vallo, Ferenc: *See—*
Csillag, Zsolt; Szentgyorgyi, Geza; Solymar, Karoly; Kalman, Tibor; Toth, Pal; Rosemann, Ferenc; Steiner, Janos; Morzal, Janos; Zsemberi, Laszlo; Lajtai, Bela; Legat, Tibor; Sitkei, Ferenc; Vallo, Ferenc; Szabo, Balint; Molnar, Gabor; and Czafit, Sandor, 4,807,815, Cl. 241-39.000.
Vallomy, John A., to Intersteel Technology, Inc. Apparatus for tapping slag-free steel from a continuous melting furnace. 4,795,139, 1-3-89, Cl. 266-236.000.
Vallomy, John A., to Intersteel Technology, Inc. Method and apparatus for continuously charging a steelmaking furnace. 4,836,732, 6-6-89, Cl. 414-188.000.
Vallone, Joseph: *See—*
Luton, Michael J.; Ayer, Raghavan; Petkovic-Luton, Ruzica; Vallone, Joseph; and Matras, Stephen, 4,818,481, Cl. 419-67.000.
Vallourec: *See—*
Bounie, Paul; and Plaquin, Bernard, 4,828,294, Cl. 285-334.000.
Depret, Jean-Paul, 4,796,668, Cl. 138-96.00T.
Douchy, Michel; and Vachiery, Edmond, 4,816,068, Cl. 75-53.000.
Plaquin, Bernard; and Bounie, Paul, 4,828,295, Cl. 285-334.000.
Vallourec Industries: *See—*
Peytavin, Pierre, 4,869,311, Cl. 164-443.000.
Valls, Jose E.: *See—*
Vassallo, Efrain D.; and Valls, Jose E., 4,826,028, Cl. 277-207.00A.
Vassallo, Efrain D.; and Valls, Jose E., 4,834,430, Cl. 285-379.000.
Valls, William H.: *See—*
Morrison, Keith; Staubitz, Robert B.; Valls, William H.; and MacDonald, Peter, 4,831,677, Cl. 15-119.00A.
Vallvey, Juan A.; and Sole, Carlos M., to Colores Hispania, S.A. Pigment composition. 4,832,749, 5-23-89, Cl. 106-419.000.
Valmet-Dominion Inc.: *See—*
Malashenko, Alexander, 4,802,954, Cl. 162-348.000.
Malashenko, Alexander, 4,842,000, Cl. 134-64.00R.
Valmet Oy: *See—*
Alajoutsijarvi, Juhani; Ehrola, Juha; Ilmarinen, Antti; and Verkasalo, Matti, 4,825,520, Cl. 29-116.100.
Hindstrom, Rolf, 4,856,204, Cl. 34-95.000.
Hindstrom, Rolf, 4,863,656, Cl. 264-62.000.
Korpela, Matti, 4,854,052, Cl. 34-68.000.
Kostamo, Pentti, 4,804,055, Cl. 180-53.300.
Kostamo, Pentti, 4,805,719, Cl. 180-242.000.
Lindroos, Kaj; and Tohonen, Mauno, 4,856,158, Cl. 29-116.100.
Lyytinen, Markku, 4,804,441, Cl. 162-212.000.
Lyytinen, Markku, 4,832,794, Cl. 162-198.000.
Miihkinen, Veijo, 4,796,342, Cl. 29-132.000.

- Miihkinen, Veijo, 4,856,161, Cl. 29-129.500.
- Nikulainen, Osmo; and Kainu, Vesa, 4,856,154, Cl. 29-113.100.
- Niskanen, Juhani; and Pullinen, Martti, 4,856,155, Cl. 29-113.200.
- Saarela, Olli; Helske, Vesa; and Haapanen, Erkki, 4,807,522, Cl. 92-161.000.
- Skytta, Osmo, 4,856,159, Cl. 29-116.100.

Valmet Paper Machinery Inc.: *See—*
- Eskelinen, Juhani, 4,873,939, Cl. 118-410.000.
- Eskelinen, Pekka; Vuorinen, Vesa; and Rantanen, Seppo, 4,882,011, Cl. 162-368.000.
- Kerttula, Reima, 4,888,883, Cl. 34-116.000.
- Meinander, Paul O., 4,889,073, Cl. 427-356.000.
- Niskanen, Juhani, 4,889,598, Cl. 162-199.000.
- Rantanen, Rauno; and Lummila, Markku, 4,839,201, Cl. 427-355.000.
- Saukkonen, Seppo, 4,842,209, Cl. 242-56.00R.
- Saukkonen, Seppo; and Tomma, Kauko, 4,883,233, Cl. 242-66.000.
- Savolainen, Eero, 4,862,648, Cl. 51-290.000.
- Tormanen, Aimo, 4,861,431, Cl. 162-273.000.
- Westergard, Sivert; and Koivukunnas, Pekka, 4,858,553, Cl. 118-126.000.

Valmet Paper Machinery Jylhavaara Oy: *See—*
- Soininen, Mauri, 4,887,545, Cl. 118-63.000.

Valmet-Sentrol Ltd.: *See—*
- Ostrander, Paul R., 4,878,522, Cl. 141-1.100.

Valmont Industries, Inc.: *See—*
- Costa, Larry J., 4,857,876, Cl. 336-165.000.

Valmont S.A.: *See—*
- Dieu, Bernard; and CuQ, Jean, 4,877,625, Cl. 426-250.000.

Valoczi, Gyorgy: *See—*
- Simonyi, Sandor; Torocsik, Laszlo; Valoczi, Gyorgy; and Toth, Istvan, 4,823,647, Cl. 74-867.000.
- Simonyi, Sandor; Torocsik, Laszlo; Toth, Istvan, and Valoczi, Gyorgy, 4,867,288, Cl. 192-1.230.

Valois, Paul-Yvon: *See—*
- Desjardins, Gilles; Tremblay, Guy; and Valois, Paul-Yvon, 4,850,588, Cl. 272-111.000.

Valois, Societe Anonyme: *See—*
- Brunet, Michel; and Jouillat, Claude, 4,856,677, Cl. 222-94.000.

Valone, Frederick W., to Texaco Inc. Corrosion inhibiting system containing alkoxylated dialkylphenol amines. 4,846,980, 7-11-89, Cl. 252-8 552.

Valone, Frederick W., to Texaco Inc. Corrosion inhibiting system containing alkoxylated alkylphenol amines. 4,867,888, 9-19-89, Cl. 252-8.555.

Valor Heating Limited: *See—*
- Wright, Peter; Hinton, Alan; Constable, Alan; Moran, Charles; and Smith, Martin, 4,869,664, Cl. 431-328.000.

Valor International Ltd.: *See—*
- Britton, John, 4,881,011, Cl. 315-209.0SC.

Valorga: *See—*
- Ducellier, Gilbert, deceased; and Pavia, Andre, 4,824,571, Cl. 210-603.000.

Valorose, Joseph J., Jr.; Biehl, Raymond J.; Sheth, Nitin V.; Strathy, Walter A.; and Doelling, Michael K., to American Cyanamid Company. Novel controlled release formulations of tetracycline compounds. 4,837,030, 6-6-89, Cl. 424-456.000.

Valosen, Charles J., to General Electric Company. Cable handling system. 4,816,617, 3-28-89, Cl. 174-86.000.

Valoti, Ermanno: *See—*
- Piccolo, Oreste; Valoti, Ermanno; and Visentin, Giuseppina, 4,864,063, Cl. 568-328.000.

Valpi: *See—*
- Monceaux, Philippe; and Segard, Emile, 4,810,647, Cl. 435-106.000.

Valsan Partners Limited Partnership: *See—*
- Wagenfeld, Robert E., 4,836,469, Cl. 244-1.00N.

Valsecchi, Enrico: *See—*
- Corain, Luciano; Maitan, Gianni; and Valsecchi, Enrico, 4,884,598, Cl. 139-371.000.

Valstyn, Erich P., to Computer and Communications Technology Corporation; and Magnetic Peripherals, Inc. Automatic throat height control for film head. 4,841,625, 6-27-89, Cl. 29-603.000.

Valtion teknillinen tutkimuskeskus: *See—*
- Santamaki, Harry J.; Korhonen, Ilkka O.; and Haikonen, Pentti O., 4,855,825, Cl. 358-135.000.

Valts, Semen P.: *See—*
- Golovko, Viktor A.; Valts, Semen P.; Lekhno, Alexandr M.; Tetior, Alexandr N.; and Barykin, Boris J., 4,796,398, Cl. 52-169.200.

Value Savers Unlimited: *See—*
- Hyun, David K.; Higgins, Clifford A., II; and Morgan, William H., 4,795,196, Cl. 283-67.000.

Valueva, Irina M.: *See—*
- Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.

Valve Alert Systems, Inc.: *See—*
- Pryslak, August J., 4,879,547, Cl. 340-686.000.

Valy, Yves; Gadbin, Michel; Banchelin, Jean S. L.; and Bourcereau, Jean, to Aerospatiale, Societe Nationale Industrielle. Protective box for electronic circuits hardened with respect to X-rays. 4,833,334, 5-23-89, Cl. 250-515.100.

Valy, Yves: *See—*
- Durand, Jean-Pierre; Labrot, Maxime; Truc, Joel; and Valy, Yves, 4,831,944, Cl. 110-346.000.
- Sainte Luce Banchelin, Jean; Bourcereau, Jean; and Valy, Yves, 4,837,448, Cl. 250-519.100.

Valyocsik, Ernest W., to Mobil Oil Corporation. ZSM-51, method of preparing same and catalytic conversion therewith. 4,840,780, 6-20-89, Cl. 423-329.000.

Valyocsik, Ernest W.; Page, Nancy M.; and Chu, Cynthia T-W., to Mobil Oil Corporation. Zeolite ZSM-57. 4,873,067, 10-10-89, Cl. 423-279.000.

Valyocsik, Ernest W., to Mobil Oil Company. Synthesis of crystalline aluminophosphate composition. 4,877,593, 10-31-89, Cl. 423-306.000.

Valyocsik, Ernest W.: *See—*
- Degnan, Thomas F.; Morrison, Roger A.; and Valyocsik, Ernest W., 4,869,806, Cl. 208-111.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., 4,822,942, Cl. 585-419.000.
- Dessau, Ralph M.; Valyocsik, Ernest W.; and Venkat, Chaya, 4,830,729, Cl. 208-89.000.
- Dessau, Ralph M.; Partridge, Randall D.; and Valyocsik, Ernest W., 4,849,567, Cl. 585-379.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., 4,868,145, Cl. 502-66.000.
- Dessau, Ralph M.; and Valyocsik, Ernest W., 4,882,040, Cl. 208-138.000.
- Dessau, Ralph M.; Valyocsik, Ernest W.; and Vartuli, James C. 4,886,926, Cl. 585-444.000.

Vamatex S.p.A.: *See—*
- Pezzoli, Luigi, 4,834,146, Cl. 139-449.000.

Vamvakaris, Christos: *See—*
- Braun, Gerold; Tschang, Chung-Ji; Vamvakaris, Christos; and Glaser, Klaus, 4,837,330 Cl. 546-339.000.
- Braun, Gerold; Tschang, Chung-Ji; Vamvakaris, Christos; and Glaser, Klaus, 4,855,423, Cl. 544-2.000.
- Nowakowsky, Bernhard H.; Beck, Juergen; Hartmann, Heinrich; and Vamvakaris, Christos, 4,873,299, Cl. 526-73.000.

Van Aarsen Machinefabriek, B.V.: *See—*
- Vries, Hendrikus H., 4,838,779, Cl. 425-331.000.

Van Dale Inc.: *See—*
- Buschbom, Floyd E., 4,797,004, Cl. 366-186.000.

Van Dam Machine Corporation: *See—*
- Dominico, James; Cino, Paul, and Fardin, Carlos E., 4,805,758, Cl. 198-444.000.

Van Der Woude Plastic Corporation: *See—*
- Van der Woude, Gerbrig W., 4,875,829, Cl. 416-2.000.

Van Doorne's Transmissie B.V.: *See—*
- van Beek, Coenraad H.; and van Wijk, Wilhelmus J. M., 4,861,318, Cl. 474-18.000.
- van der Veen, Siebren C., 4,852,427, Cl. 74-689.000.
- van Dijk, Johannes A., 4,794,741, Cl. 51-419.000.
- van Lith, Johannes H., 4,854,919, Cl. 474-25.000.

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- Gallagher, Thomas A., 4,839,491, Cl. 219-117.100.
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- Kinneberg, Peter A.; Armer, Thomas A.; van Breen, Adriaan W.; Barton, Roger E. C.; and Klei, Ebel, 4,880,904, Cl. 528-392.000.

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- van Broekhoven, Emanuel H., to Akzo N.V. Catalyst composition and absorbent which contain an anionic clay. 4,866,019, 9-12-89, Cl. 502-65.000.
- Van Broekhoven, Johannes A. M.; and Doyle, Michael J., to Shell Oil Company. Process for preparing polymers of carbon monoxide and ethylene under specified pressures. 4,808,699, 2-28-89, Cl. 528-392.000.
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- Van Brunt, Michael K.; Nicoletti, Robert J.; and Hager, Jeffrey J., to G & H Technology, Inc. Cable shield termination for an electrical connector. 4,820,201, 4-11-89, Cl. 439-610.000.
- Van Brunt, Michael K.: *See—*
  - Miller, John S.; and Van Brunt, Michael K., 4,804,917, Cl. 324-95.000.
- Van Brunt, Roger: *See—*
  - Volk, Andrew M.; Baucom, Terry L.; and Van Brunt, Roger, 4,819,081, Cl. 328-134.000.
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- Van Buren, Gerald E., to North American Philips Corporation. Projection tube panel funnel spring contactor and projection tube employing same. 4,845,404, 7-4-89, Cl. 313-477.0HC.
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  - Partovi, Hamid; and Van Buskirk, Michael A., 4,857,770, Cl. 307-451.000.
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- Van Cauter, Albert: *See—*
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- Vance, Gerald E., to Procter & Gamble Company, The. Carton structure having easily openable compression resistant end. 4,865,204, 9-12-89, Cl. 206-625.000.
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  - Elkins, Dexter J., 4,869,259, Cl. 128-660.000.
  - French, Gerald J., 4,800,900, Cl. 128-885.000.
  - Shihata, Alfred A., 4,858,624, Cl. 128-834.000.
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- Van Cleave, James, to General Instrument Corporation. Broadband converter/descrambler interface for cable TV. 4,864,613, 9-5-89, Cl. 380-10.000.
- Van Cleve, Craig B.: *See—*
  - Cage, Donald R.; and Van Cleve, Craig B., 4,876,898, Cl. 73-861.380.
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- Van Daele, Jean A.: *See—*
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- VanDaele, John J.: *See—*
  - Simcoe, Steven B.; Orth, Charles M.; and VanDaele, John J., 4,885,443, Cl. 200-296.000.
- van Daele, Pierre L.: *See—*
  - Tavernier, Serge M.; Van Beek, Joannes J.; and van Daele, Pierre L., 4,879,198, Cl. 430-106.600.
- Van Dahm, Richard A.: *See—*
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- VanDam Inc.: *See—*
  - Muth, Stephan R. W.; and Vollath, Guenter, 4,826,212, Cl. 283-34.000.
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- van De Gaer, Daniel: *See—*
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- van de Kerkhof, Franciscus A. M.: *See—*
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- Vande Kieft, Lawrence J.: *See—*
  - Mishra, Indu B.; and Vande Kieft, Lawrence J., 4,875,949, Cl. 149-19.300.
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- Van De Kop, Franz: *See—*
  - Van De Kop, Andrew R.; and Van De Kop, Franz, 4,882,676, Cl. 364-410.000.
- Van De Laar, Antonius M. F. J.: *See—*
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- Van De Mark, Michael R., to Hoechst Celanese Corporation. Stripper composition for removal of protective coatings. 4,830,772, 5-16-89, Cl. 252-170.000.
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  - Legrand, Franz; Van den Bossche-De Bruycker, Patricia; and Lerot, Luc, 4,830,993, Cl. 501-103.000.
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  - Soli, Sigfrid D.; and van den Honert, Christopher, 4,813,417, Cl. 128-420.500.
- Van Den Hoven, Lambertus M. C.: *See—*
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Vanderbei, Robert J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Methods and apparatus for efficient resource allocation. 4,885,686, 12-5-89, Cl. 364-402.000.

Van Der Bel, Frans G.: *See—*

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Auerbach, Paul S., 4,801,777, Cl. 219-10.55M.

Field, Lamar; Musallam, Hikmat A.; Macke, Jeffrey D.; and Srivastava, Pramod K., 4,883,890, Cl. 558-61.000.

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Riddell, James G., 4,820,269, Cl. 604-85.000.

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van der Does, Thomas: *See—*

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van der Heem, Peter, to SCM Glidco Organics Corp. Silica product. 4,847,235, 7-11-89, Cl. 502-407.000.

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Doornbos, Tamme S. M.; Haring, Petrus; and Van Der Heijden, Arnoldus, 4,889,736, Cl. 426-536.000.

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Martin, David A.; Ries, Edward L.; Vanderlinde, William; and Young, Marvin J., 4,839,407, Cl. 524-389.000.

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Vandermarliere, Marc, to Institut Textile de France. Method and device for preparing a stack of fabric panels for subsequent cutting. 4,807,504, 2-28-89, Cl. 83-22.000.

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Van Der Mast, Karel D.: *See—*

Bakker, Johan G.; and Van Der Mast, Karel D., 4,820,921, Cl. 250-307.000.

Van Gorkom, Gerardus G. P.; Hoeberechts, Arthur M. E.; Van Der Mast, Karel D.; and Tolner, Harm, 4,871,911, Cl. 250-310.000.

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Salter, James A.; DeWitz, Thomas S.; Scott, Andrew M.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,830,545, Cl. 406-12.000.

Salter, James A.; DeWitz, Thomas S.; Dirkse, Hendricus A.; and van der Meer, Johannes W., 4,834,588, Cl. 406-85.000.

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van der Meer, Roelof; and Yates, John B., III, to General Electric Company. Functionalized polyphenylene ether from polyphenylene ether chain terminated with phenoxy moiety containing amino and hydroxy group. 4,888,397, 12-19-89, Cl. 525-391.000.

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Van Der Meer, Wiebe H.: *See—*

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Vandermeer, William B.: *See—*

Barber, Thomas D.; Vandermeer, William B.; and Flanagan, William D., 4,800,496, Cl. 364-422.000.

Vandermeersch, Jean; and Durand, Guy, to Ceca, S.A. Two-component polyurethanes. 4,857,584, 8-15-89, Cl. 524-791.000.

Vandermeide, Benjamin. Toy gun. 4,827,892, 5-9-89, Cl. 124-19.000.

van der Meij, Daniel A., to N. V. Netherlandsche Apparatenfabriek Nedap. Flexible detection label. 4,864,280, 9-5-89, Cl. 340-572.000.

van der Merwe, Jacobus C.; and van der Merwe, Lucas C. Self-propelled, self-steered vehicle for power driven plant trimming tools. 4,860,454, 8-29-89, Cl. 30-379.500.

van der Merwe, Jacobus C.; van der Merwe, Lucas C.; and Horn, Johannes. Combined heating dish and storage container for food. 4,867,131, 9-19-89, Cl. 126-263.000.

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van der Meulen, Alfred. Process for removing water and/or other volatile impurities from lubricating oils and device for carrying out the process. 4,830,745, 5-16-89, Cl. 210-168.000.

Van Der Meulen, Peter; and Van Yperen, Gerrit H., to U.S. Philips Corporation. Magnetic resonance imaging method, and device for determining the pulse angle of an r.f. electromagnetic pulse. 4,814,708, 3-21-89, Cl. 324-309.000.

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Vandermeyden, Tom R., to Fluidmaster, Inc. Hot water heater controller. 4,832,259, 5-23-89, Cl. 236-20.00R.

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van der Molen, Theodorus J., to Stamicarbon B.V. Process for the preparation of cast film. 4,808,359, 2-28-89, Cl. 264-171.000.

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Vander Park, Antonius A., to Nova-Link Limited. Beam-type work station system. 4,838,177, 6-13-89, Cl. 108-155.000.

Van Der Ploeg, Arie; Van Wechem, Gustaaf L.; and Dull, Benjamin C. W., to Texas Instruments Incorporated. Internal combustion engine. 4,834,053, 5-30-89, Cl. 123-549.000.

van der Ploeg, Hendrik: *See—*

Weekamp, Johannus W.; Fransen, Benedictus C. H.; and van der Ploeg, Hendrik, 4,881,151, Cl. 361-531.000.

- Vanderplow, Allen P. Keeled fishing lure apparatus. 4,860,486, 8-29-89, Cl. 43-42.190.
- Vanderplow, Allen P. Removable spoon and mount. 4,864,765, 9-12-89, Cl. 43-42.190.
- Vanderplow, Allen P. Spoon and mount. 4,885,866, 12-12-89, Cl. 43-42.190.
- Van Der Poel, Carlus J.: *See—*
  - Gravesteijn, Dirk J.; and Van Der Poel, Carlus J., 4,818,666, Cl. 430-495.000.
- van der Poel, Carolus J.: *See—*
  - Gravesteijn, Dirk J.; and van der Poel, Carolus J., 4,808,514, Cl. 430-495.000.
  - Gravesteijn, Dirk J.; and Van Der Poel, Carolus J., 4,816,385, Cl. 430-495.000.
  - Tatsuno, Kimio; Opschoor, Jan; van der Poel, Carolus J.; and Drenten, Ronald R., 4,822,151, Cl. 350-401.000.
- Van der Poel, Hendrik: *See—*
  - van der Kolk, Cornelis E. M.; Van der Poel, Hendrik; and Braeken, Jozef, 4,888,056, Cl. 106-1.170.
- Vanderpoel, Richard E.: *See—*
  - Djordjevic, Ilija; Kelly, William W.; and Vanderpoel, Richard E., 4,811,715, Cl. 123-447.000.
- VanderPol, Jerald; Pfafman, Neil; and Silber, Cory J., to Tri Tool, Inc. Gear driven tube cutter. 4,802,278, 2-7-89, Cl. 30-97.000.
- VanderPol, Jerald, to Tri Tool Inc. Multi-speed drive system for a portable lathe. 4,823,655, 4-25-89, Cl. 82-113.000.
- VanderPol, Jerald, to Tri Tool Inc. Segmented sliding bearing arrangement for portable lathe. 4,829,860, 5-16-89, Cl. 82-113.000.
- VanderPol, Jerald; Silber, Cory J.; and Astle, William H., to Tri Tool Inc. Tool support and guide system for repair of boiler tube panels and process for carrying out repair using same. 4,872,249, 10-10-89, Cl. 29-157.400.
- Vanderpool, Clarence D.; Ladd, Judith A.; MacInnis, Martin B.; and Fedorchak, Mary A., to GTE Products Corporation. Recovery of tungsten, scandium, iron, and manganese from tungsten bearing material. 4,808,384, 2-28-89, Cl. 423-21.100.
- Vanderpool, Clarence D.: *See—*
  - Douglas, Alan D.; MacInnis, Martin B.; and Vanderpool, Clarence D., 4,816,069, Cl. 75-0.5BA.
  - Scheithauer, Richard A.; Vanderpool, Clarence D.; and Miller, Michael J., 4,804,407, Cl. 75-0.5AA.
- Vanderpool, Jack E.: *See—*
  - Kopatz, Nelson E.; and Vanderpool, Jack E., 4,816,067, Cl. 75-0.50B.
  - Kopatz, Nelson E.; Johnson, Walter A.; Vanderpool, Jack E.; and Shaw, Howard H., 4,885,028, Cl. 75-0.5BB.
- Vanderpool, Peter J.: *See—*
  - Lordi, Frank E.; and Vanderpool, Peter J., 4,798,868, Cl. 525-207.000.
- Vanderpool, Steven H.; Watts, Lewis W., Jr.; Larkin, John M.; and Renken, Terry L., to Texaco Inc. Method for making pelleted phosphated catalysts derived from group IVB transition metal oxides and catalysts thus prepared. 4,806,517, 2-21-89, Cl. 502-208.000.
- Vanderpoorte, John G.: *See—*
  - Leigh-Monstevens, Keith V.; Tury, Edward L.; Peterson, David C.; and Vanderpoorte, John G., 4,841,793, Cl. 74-335.000.
  - Peterson, David C.; Leigh-Monstevens, Keith V.; Vanderpoorte, John G.; and Mabee, Brian D., 4,843,901, Cl. 74-335.000.
- van der Putte, Paulus Z. A.: *See—*
  - Flanner, Janet M.; and van der Putte, Paulus Z. A., 4,822,749, Cl. 437-41.000.
- Van Der Puy, Michael, to Allied-Signal Inc. Process for the preparation of fluorinated benzene sulfonyl fluorides. 4,886,629, 12-12-89, Cl. 562-826.000.
- Van Der Puy, Michael: *See—*
  - Nalelwajek, David; and Van Der Puy, Michael, 4,847,442, Cl. 570-142.000.
- Vandersall, Howard L., to Monsanto Company. Fire retardant concentrates and methods for preparation thereof. 4,839,065, 6-13-89, Cl. 252-603.000.
- Vander Sande, Jan W.; Wood, Charles; and Draper, Susan L., to United States of America, National Aeronautics and Space Administration. Annealing Group III-V compound doped silicon-germanium alloy for improved thermo-electric conversion efficiency. 4,849,033, 7-18-89, Cl. 148-13.100.
- VanderSande, John B.: *See—*
  - Yurek, Gregory J.; and VanderSande, John B., 4,826,808, Cl. 505-1.000.
- Van Der Sanden, Cornelis G. L. M.: *See—*
  - Veendrick, Hendrikus J. M.; Van Der Sanden, Cornelis G. L. M.; and Slob, Arie, 4,820,936, Cl. 307-296.200.
- van der Schaaf, Herman J., to B. V. Gerbs. ter Braak. Pipe coil cooker. 4,840,678, 6-20-89, Cl. 127-2.000.
- Vanderschaegbe, Alain: *See—*
  - Franzolini, Marc; Maria, Edmond; Vanderschaegbe, Alain; and Bezier, Jean, 4,848,645, Cl. 228-183.000.
- Van Der Schie, Donn R., to Ermanco Incorporated. Zero pressure accumulation conveyor and brake assembly. 4,819,788, 4-11-89, Cl. 198-781.000.
- van der Schoot, Jelle, to Staalkat B.V. Method of, and apparatus for, automatically checking eggs for flaws and blemishes, such as cracks, blood, dirt, a leak, aberrant form and the like. 4,872,564, 10-10-89, Cl. 209-511.000.
- Vanderslice, Daniel V., to Waste Management, Inc. Portable system for dewatering contents of sanitary sewer traps. 4,816,167, 3-28-89, Cl. 210-776.000.
- Vanderslice, Rebecca W.; and Shannon, Patrick, to Getty Scientific Development Company. Polysaccharide polymer made by xanthomonas. 4,868,293, 9-19-89, Cl. 536-123.000.
- van der Smissen, Carl E.; and Rohling, Holmer, to Dragerwerk Aktiengesellschaft. Protective hood. 4,807,614, 2-28-89, Cl. 128-201.230.
- van der Smissen, Carl E.; Ernst, Rainer; and Eckstein, Wolfgang, to Dragerwerk Aktiengesellschaft. Chemical oxygen generator. 4,822,572, 4-18-89, Cl. 422-126.000.
- van der Smissen, Carl-Ernst, to Dragerwerk Aktiengesellschaft. Indicator for the determination of chlorine gas. 4,795,611, 1-3-89, Cl. 422-56.000.
- van der Spek, Ferdinand: *See—*
  - Van Weerden, Jan; Valkenburg, Johannes; and van der Spek, Ferdinand, 4,854,953, Cl. 55-483.000.
- Vanderspurt, Thomas H.: *See—*
  - Trowbridge, Theodore D.; Fung, Shun C.; and Vanderspurt, Thomas H., 4,824,816, Cl. 502-66.000.
- Van Der Steeg, Jan, to Shell Oil Company. TFL assembly for a dual diameter flow-line/riser system and flow-line/riser system for use with the assembly. 4,844,165, 7-4-89, Cl. 166-367.000.
- van der Steen, Dick: *See—*
  - van Baardwijk, Johannes; and van der Steen, Dick, 4,796,254, Cl. 370-58.000.
- van der Stelt, Paul F.: *See—*
  - Halm, Jan H.; Post, Leonardus H. J.; van Otterdijk, Johannes F.; and van der Stelt, Paul F., 4,829,548, Cl. 378-38.000.
- Van Der Straten, Berend G., to Zedek, B.V. Packing device. 4,856,706, 8-15-89, Cl. 229-110.000.
- VanDerStuyf, Allen F., to AMP Incorporated. Probe for sealed connector. 4,829,255, 5-9-89, Cl. 324-538.000.
- VanDerStuyf, Allen F.: *See—*
  - Hayes, Earl J.; and VanDerStuyf, Allen F., 4,810,208, Cl. 439-589.000.
  - Sergeant, Ronald G.; and VanDerStuyf, Allen F., 4,879,810, Cl. 29-861.000.
- Vandersyde, Gary; Beatty, Paul; and Roxas, Ren. Insertion machine with improved insert track. 4,865,304, 9-12-89, Cl. 270-54.000.
- Vandersyde, Gary, to Bell & Howell Company. Document feeder apparatus. 4,884,795, 12-5-89, Cl. 271-34.000.
- Vandersyde, Gary: *See—*
  - Haas, Dave; Vandersyde, Gary; Beatty, Paul; and Roxas, Ren. 4,798,040, Cl. 53-460.000.
- van der Tak, Josephus A. M. Scrubbing machine. 4,838,193, 6-13-89, Cl. 114-222.000.
- Vandervaart, Gerry, to Kool-Fire Limited. High efficiency heat exchanger. 4,825,664, 5-2-89, Cl. 62-324.100.
- van der Vaart, Herman: *See—*
  - Glass, Walter; and van der Vaart, Herman, 4,849,867, Cl. 362-342.000.
- Vanderveen, John W.; and Banasiak, Dennis S., to Phillips Petroleum Company. Disproportionation process. 4,818,442, 4-4-89, Cl. 260-405.500.
- van der Veen, Martien: *See—*
  - van de Grift, Robert E. J.; and van der Veen, Martien, 4,812,816, Cl. 341-133.000.
  - van de Grift, Robert E. J.; and van der Veen, Martien, 4,845,462, Cl. 338-323.000.
- van der Veen, Siebren C., to Van Doorne's Transmissie B.V. Transmission. 4,852,427, 8-1-89, Cl. 74-689.000.
- van der Veer, Harry M., to Farmtec B.V. Device for supplying small livestock with drinking water. 4,829,933, 5-16-89, Cl. 119-78.000.
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- Vandervelden, Cornelius K., to Becton, Dickinson and Company. Catheter identifier and method. 4,856,530, 8-15-89, Cl. 128-692.000.
- Van Der Velden, Johny W.; and Diemer, Willem H., to U.S. Philips Corporation. X-ray intensifier tube comprising a separating layer between the luminescent layer and the photocathode. 4,831,249, 5-16-89, Cl. 250-213.0VT.
- Van der Ven, Robert F. L. M., to U.S. Philips Corp. Color television display tube. 4,812,704, 3-14-89, Cl. 313-402.000.
- Vandervier, Joseph E.; and Boyd, Clinton A., to Hughes Tool Company. Downhole pressure and temperature monitoring system. 4,803,483, 2-7-89, Cl. 340-856.000.
- Van der Vliet, Lucien P.: *See—*
  - Mampaey, Jozef L.; and Van der Vliet, Lucien P., 4,843,422, Cl. 250-326.000.
- Van Der Vliet, Peter C. L.: *See—*
  - Zandveld, Frederik; and Van Der Vliet, Peter C. L., 4,841,474, Cl. 364-900.000.
- Van Der Vliet, Timotheus T. Motor control-brake device. 4,887,701, 12-19-89, Cl. 192-1.560.
- Vandervoort, David; and Griffith, Monty, to Bridgford Foods Corporation. Method of subdividing dough. 4,812,321, 3-14-89, Cl. 426-503.000.
- van der Waal, Jan, to U.S. Philips Corporation. Method of producing a color picture tube screen. 4,866,466, 9-12-89, Cl. 354-1.000.
- van der Wal, Anne. Jaw crusher. 4,886,217, 12-12-89, Cl. 241-219.000.
- Vanderwal, Frank E.: *See—*
  - Sunnen, Robert M.; Vanderwal, Frank E.; and Jackson, Richard S., 4,886,157, Cl. 198-839.000.
- Vanderwal, Frank E., Jr.; and Sunnen, Robert M., to Sunnen Products Company. Workpiece gripper and support. 4,827,674, 5-9-89, Cl. 51-217.00R.

- van der Wal, Gillis P., to Duphar International Research B.V. Automatic injector. 4,820,286, 4-11-89, Cl. 604-89.000.
- Van der Wal, Peter D.: *See—*
  - Sudholter, Ernst J.; Skowronska-Ptasinska, Maria D.; Van der Wal, Peter D.; Van den Berg, Albert; and Reinhoudt, David N., 4,882,292, Cl. 437-42.000.
- Van Der Walt, Johannes: *See—*
  - Van Rensburg, Carl S. J.; and Van Der Walt, Johannes, 4,805,415, Cl. 62-260.000.
- van der Walt, Nicolaas T., to Crucible, Societe Anonyme. Method of and apparatus for magnetic saturation testing a wire rope for defects. 4,827,215, 5-2-89, Cl. 324-227.000.
- Vanderwater, David A., to Hewlett-Packard Company. Method for positioning a crystal ingot. 4,884,887, 12-5-89, Cl. 356-31.000.
- van der Weerdt, Antonius J. A.: *See—*
  - Broekhof, Nicolaas L. J. M.; Witteveen, Jan G.; and van der Weerdt, Antonius J. A., 4,843,061, Cl. 512-22.000.
- Vanderweg, Peter: *See—*
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- Vanderwerf, Dennis F., to Minnesota Mining and Manufacturing Company. Retrofocus lens for overhead projector. 4,867,555, 9-19-89, Cl. 353-98.000.
- Vanderwerf, Dennis F.: *See—*
  - Appeldorn, Roger H.; and Vanderwerf, Dennis F., 4,800,868, Cl. 126-438.000.
- van der Werf, Jan E.; and Biesterbos, Johannes W. M., to U.S. Philips Corporation. Optical imaging arrangement comprising an opto-electronic focussing-error detection system. 4,866,262, 9-12-89, Cl. 250-201.000.
- Van der Westhuizen, Hermanus Q.; and Muller, Thomas M., to Boutade Worldwide Investments NV. Mat for use with rock breaking tool. 4,829,900, 5-16-89, Cl. 102-303.000.
- van der Wolk, Jacob A.: *See—*
  - Kopp, Heinz-Peter J.; Lammers, Jannes G.; van der Wolk, Jacob A.; and De Groot, Willibrordus T., 4,857,237, Cl. 260-409.000.
- Van der Woude, Gerbrig W., to Van Der Woude Plastic Corporation. Marine propeller. 4,875,829, 10-24-89, Cl. 416-2.000.
- Van der Woude, Gerbrig W.; and Moore, Timothy M., to Polyco, Inc. Cover with integral fastening means. 4,883,394, 11-28-89, Cl. 411-51.000.
- Vanderzanden, Eugene J.: *See—*
  - Graf, Peter E.; Agazzi, Steven J.; and Vanderzanden, Eugene J., 4,822,427, Cl. 106-502.000.
- Vanderzanden, John W., to Minnesota Mining and Manufacturing Company. Thermal mass transfer imaging system. 4,847,237, 7-11-89, Cl. 503-227.000.
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  - Vanmaele, Luc J.; Wilhelm[illegible], Janssens; and Van de Sande, Christian C., 4,855,223, Cl. 430-562.000.
  - Vanmaele, Luc J.; and Van de Sande, Christian C., 4,871,654, Cl. 430-512.000.
- Vande Sande, Lee: *See—*
  - Hartshorn, Gary, 4,858,087, Cl. 362-219.000.
- Van de Spijker, Willebrordus H. M. M.: *See—*
  - Verstegen, Judicus M. P. J.; Verlijsdonk, Johannus G.; de Meester, Emiel P. J.; Van de Spijker, Willebrordus H. M. M.; and Verriet, Johannes G., 4,837,481, Cl. 313-486.000.
- Van Dest, Jean-Claude, to Glaenzer Spicer. Transmission device for a front wheel drive vehicle. 4,799,402, 1-24-89, Cl. 74-701.000.
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- Van De Steeg, Martinus J. H., to U.S. Philips Corp. Charge-coupled device having overexposure control. 4,849,814, 7-18-89, Cl. 358-213.310.
- Van-Det, Nguyen: *See—*
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- Van Deuren, Fransiscus H., to U.S. Philips Corporation. Guiding device. 4,817,930, 4-4-89, Cl. 269-73.000.
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- Vandiver, Lonnie E. Bird feeder with squirrel guard. 4,867,104, 9-19-89, Cl. 119-57.900.
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  - Erpelding, Michel; and Vandome, Jacques, 4,861,817, Cl. 524-411.000.
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  - Oversluizen, Gerrit; Van Lierop, Joseph G.; and Van Dongen, Anne-Marie A., 4,798,681, Cl. 252-301.40F.
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van Gorkum, Aart A., to U.S. Philips Corporation. Cathode ray tube having an electron gun with bipotential focusing lens. 4,806,821, 2-21-89, Cl. 313-449.000.
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Van Horn, John W.; and Johnson, Clyde, to Duncan Industries Parking Control Systems Corp. Meter handle mechanism. 4,880,406, 11-14-89, Cl. 464-38.000.
Van Horn, Mark I., to Motorola, Inc. Ceramic block filter with bidirectional tuning. 4,837,534, 6-6-89, Cl. 333-207.000.
Van Horn, Mark I., to Motorola, Inc. Load pull isolation switch for a fast locking synthesizer. 4,885,799, 12-5-89, Cl. 455-78.000.
Van Horn, Samuel L. Method and apparatus for improved electroplating and painting racks. 4,872,963, 10-10-89, Cl. 204-297.00W.
Van Horssen, Charles A. Hand held swimming pool tile descaler. 4,881,978, 11-21-89, Cl. 134-16.000.
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Van House, James C.: *See—*
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Van Hout, Henricus M., to U.S. Philips Corporation. Self-starting brushless D.C. motor. 4,814,676, 3-21-89, Cl. 318-254.000.
Van Hout, James E.; and Dziekan, Lee M., to Chrysler Motors Corporation. Linkage-type switches for control panel actuators. 4,883,932, 11-28-89, Cl. 200-339.000.
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Vanier, Noel R., to Eastman Kodak Company. Slipping layer containing acyloxy-terminated siloxane for dye-donor element used in thermal dye transfer. 4,866,028, 9-12-89, Cl. 503-227.000.
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Van Ijzendoorn, Petrus R.: *See—*
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Van Iten, Thomas P.; Whitehead, Howard A.; and Schindel, Julie A., to Kimberly-Clark Corporation. Method of perforating a nonwoven

web and use of the web as a cover for a feminine pad. 4,886,632, 12-12-89, Cl. 264-156.000.

Van Kampen, Craig L., to Minnesota Mining and Manufacturing Company. Tissue augmentation device and method of repairing a ligament or tendon. 4,834,752, 5-30-89, Cl. 623-13.000.

Van Kampen, Timothy J.: *See—*

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Van Kampen, Willem A.; Ritsema, Anne R.; and Unger, Rudolf, to Stichting Voor De Technische Wetenschappen. Electromagnetic vibrator for seismic and civil-engineering applications. 4,821,246, 4-11-89, Cl. 367-189.000.

Van Kanegan, Eugene M.; Doyle, Frank J.; and Fadner, Thomas A., to Rockwell International Corporation. Simplified lithography using ink and water admixtures. 4,864,925, 9-12-89, Cl. 101-141.000.

Van Kemenade, Johannes T. C.; De Hair, Johannes T. W.; and Berns, Everhardus G., to U.S. Philips Corporation. Low-pressure mercury vapor discharge lamp. 4,800,319, 1-24-89, Cl. 313-487.000.

Van Kemenade, Wilhelmus M. P.: *See—*

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Vankerckhoven, Henk F. E.; and De Koster, Eric H. C., to Scott Continental, N.V. Releasing carrier with transfer coating for decorative laminates. 4,869,957, 9-26-89, Cl. 428-352.000.

Van Kessel, Henricus J., to U.S. Philips Corporation. Temperature-compensated voltage driver circuit for a current source arrangement. 4,808,847, 2-28-89, Cl. 307-297.000.

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Russell, Paul F.; Doering, Egon L.; Segerstrom, Clifford C.; Stil, Jacob H.; Harenslak, Gerd; and van Kessel, Matheus M., 4,836,146, Cl. 122-379.000.

Van Kirk, Larry J.; and Waterloo, Ronald L., to Ford Motor Company. Multiple conductor fluid handling duct for an automotive vehicle. 4,811,760, 3-14-89, Cl. 138-115.000.

Van Kleeck, David A., to Shell Oil Company. Removal of H_2S from gas streams. 4,876,075, 10-24-89, Cl. 423-226.000.

Van Kruchten, Eugene M. G. A.; and Van Well, Rudolf R., to Shell Oil Company. Preparation of a basic salt. 4,810,398, 3-7-89, Cl. 252-40.000.

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VanKuiken, Lewis L., Jr.; and Hanson, Dale A., to Progressive Blasting Systems, Inc. Robot positioner and seal arrangement for a closed chamber. 4,882,881, 11-28-89, Cl. 51-426.000.

Van Laar, Hermanus G., to Shell Oil Company. Producing asphaltic crude oil. 4,821,801, 4-18-89, Cl. 166-250.000.

Van Laar, Hermanus G., to Shell Oil Company. Process for metal plating cement in a perforated well. 4,842,056, 6-27-89, Cl. 166-292.000.

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van Laarhoven, Antonius P. H. M.: *See—*

Gilissen, Hermanus P. J.; Teurlings, Lucas G. C.; and van Laarhoven, Antonius P. H. M., 4,828,503, Cl. 439-62.000.

Van Laere, Christiaan G. M. Electric rotary power tool apparatus holdable by hand during operation, kit comprising the same; and novel switch means therefor. 4,822,958, 4-18-89, Cl. 200-1.00V.

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Van Landingham, Catherine G. Pet flea and tick brush. 4,865,482, 9-12-89, Cl. 401-287.000.

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Van Leeuwen, Petrus W. N. M.: *See—*

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Drent, Eit; Van Leeuwen, Petrus W. N. M.; and Wife, Richard L., 4,843,145, Cl. 528-392.000.

Drent, Eit; Wife, Richard L.; and Van Leeuwen, Petrus W. N. M., 4,859,764, Cl. 528-392.000.

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van Lengerich, Bernhard: *See—*

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Vanlerberghe, Guy; Zysman, Alexandre; and Sebag, Henri, to L'Oreal. Hemiacetal compounds and the applications thereof. 4,827,003, 5-2-89, Cl. 549-347.000.

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van Liefland, Rudy, to S.I.R. Service for Innovation Research. Orion portable waterbicycle. 4,828,517, 5-9-89, Cl. 440-27.000.

Van Lier, Frank M., to Lubrizol Corporation, The. H_2S and alcohol recovery process. 4,806,210, 2-21-89, Cl. 203-89.000.

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Van Liere, Merle. Process for treating raw soybeans. 4,810,513, 3-7-89, Cl. 426-465.000.

Van Lierop, John G. M., to 554072 Ontario Inc. Jack. 4,822,004, 4-18-89, Cl. 254-122.000.

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van Ligten, Robert H. Engine balancer. 4,819,592, 4-11-89, Cl. 123-192.00B.

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Van Lommen, Guy R. E.; Lutz, William R.; and Van Gestel, Jozef F. E., to Janssen Pharmaceutica N.V. Herbicidal 1H-imidazole-5-carboxylic acid derivatives. 4,813,998, 3-21-89, Cl. 71-92.000.

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van Lookeren-Campagne, Constant J.; and Obeng, Edward D. A., to Shell Oil Company. Gas treatment and resin regeneration process. 4,797,366, 1-10-89, Cl. 435-264.000.

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Vanmaele, Luc J.; Wilhelmus, Janssens; and Van de Sande, Christian C., to Agfa-Gevaert, N.V. Organic compounds for use in a dye diffusion transfer process and photographic elements incorporating them. 4,855,223, 8-8-89, Cl. 430-562.000.

Vanmaele, Luc J.; and Van de Sande, Christian C., to Agfa-Gevaert N.V. Photographic element incorporating redox compounds for use in a dye diffusion transfer process. 4,871,654, 10-3-89, Cl. 430-512.000.

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Van Meerbergen, Jozef L.; Beenker, Franciscus P. M.; Matterne, Luc L. G.; Huisken, Josephus A.; and Stans, Rudi J. J., to U.S. Philips Corporation. Method of testing a modified booth multiplier, modified booth multiplier suitable for testing by means of this method, and integrated circuit comprising such a modified booth multiplier. 4,866,715, 9-12-89, Cl. 371-27.000.

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Van Meter, Larry W., to LineTech, Inc. Automatic toilet flush control system. 4,876,751, 10-31-89, Cl. 4-431.000.

Van Meurs, Peter; De Rouffignac, Eric P.; Vinegar, Harold J.; and Lucid, Michael F., to Shell Oil Company. Conductively heating a subterranean oil shale to create permeability and subsequently produce oil. 4,886,118, 12-12-89, Cl. 166-245.000.

van Mondfrans, Gerardus H.; and Peters, Jacobus F. M., to Stork Brabant B.V. Magnetic beam for a roller squeegee of a rotary screen printing installation. 4,887,527, 12-19-89, Cl. 101-116.000.

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van Mullekom, Hubert P., to Sulzer Brothers Limited. Weft bobbin changer for a loom. 4,887,649, 12-19-89, Cl. 139-450.000.

Vann, Clifton B., III, to L&H Technologies, Inc. Filter module. 4,818,258, 4-4-89, Cl. 55-158.000.

Vann, William C. Fishing planer. 4,876,820, 10-31-89, Cl. 43-43.130.

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Van Nes, Floris L.; Leopold, Fredrick F.; and Schaffers, Frederik J., to U.S. Philips Corporation. Method of recognizing a control command in a system, and interactive system for carrying out the method. 4,864,623, 9-5-89, Cl. 381-43.000.

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Van Neste, Walter A.; Maes, Jean P.; and Vereecken, Rita, to S.A. Texaco Petroleum NV. Corrosion-inhibited antifreeze/coolant composition. 4,851,145, 7-25-89, Cl. 252-75.000.

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Van Niekerk, John R., to Chemical Vulcanising Systems (Proprietary) Limited. Method and apparatus for repairing a cable. 4,859,534, 8-22-89, Cl. 428-343.000.

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VanNoord, Andrew J., to Kent Design & Mfg., Inc. Storage rack assembly. 4,887,725, 12-19-89, Cl. 21-41.000.

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- van Perlstein, Erik B.: *See—*
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  - Wagner, Wolfram; Nyssen, Roger; Berkenhaus, Dirk; and van Pey, Hans-Theo, 4,838,917, Cl. 65-5.000.
- Van Pham, Ich: *See—*
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- VanPool, Joe: *See—*
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- van Raalte, John A., to General Electric Company. High efficiency illumination system for display devices. 4,798,448, 1-17-89, Cl. 350-345.000.
- van Raemdonck, Edwin: *See—*
  - Weber, Karl L.; van Raemdonck, Edwin; Stutzel, Klaus; and Vingerhoets, Marcel, 4,849,517, Cl. 544-219.000.
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  - Overdijk, Dik R.; Bolder, Antonius J. J.; Beirens, Leopold C. M.; and Van Rens, Piet C. J., 4,874,982, Cl. 313-440.000.
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  - Douwes, Marcelles B. M.; Van Rijsewijk, Cornelis H. M.; van der Hoorn, Rudolf J. G. A.; and Ouwerkerk, Cornelis, 4,849,958, Cl. 369-77.200.
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  - Cimino, Gerald D., 4,834,273, Cl. 224-42.210.
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  - Pierini, Giancarlo; Dworschak, Heinz; Spelta, Bruno; and Vansant, Etienne, 4,867,762, Cl. 55-31.000.
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- Van Steenburgh, Leon C., Jr. Refrigeration system with bypass valves. 4,815,298, 3-28-89, Cl. 62-196.400.

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  - Hoptner, Wolfgang; Lotterbach, Gerhard; Perenthaler, Egbert; van Woudenberg, Jan F.; and Zucker, Udo, 4,845,667, Cl. 364-900.000.
- Van Wouwe, Dirk: *See—*
  - Anton, Octavian; and Van Wouwe, Dirk, 4,849,195, Cl. 423-331.000.
- van Wyk, Johan: *See—*
  - de Jong, Jan; and van Wyk, Johan, 4,805,371, Cl. 52-745.000.
- Van Yperen, Gerrit H.: *See—*
  - Van Der Meulen, Peter; and Van Yperen, Gerrit H., 4,814,708, Cl. 324-309.000.
- Van Zanten, Adrianus T.: *See—*
  - Pfennings, Leonardus C.; Veendrick, Hendrikus J.; and Van Zanten, Adrianus T., 4,817,090, Cl. 370-112.000.

- van Zanten, Anton: *See*—
  - Barth, Guenter; Stegmaier, Alwin; and van Zanten, Anton, 4,860,848, Cl. 180-197.000.
  - Friedow, Michael; and van Zanten, Anton, 4,846,532, Cl. 303-110.000.
  - Heess, Gerhard; and Van Zanten, Anton, 4,824,187, Cl. 303-114.000.
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- Van Zanten, Pieter; and Mulder, Evert-Jan, to U.S. Philips Corp. Device for recording information on or reading information from an information disc. 4,823,337, 4-18-89, Cl. 369-270.000.
- Van Zeghbroech, Bart J.: *See*—
  - Buchmann, Peter L.; Vettiger, Peter; and Van Zeghbroech, Bart J., 4,803,181, Cl. 437-228.000.
- van Zijderveld, George J., Jr., to M.C.C. Nederland B.V. Chain conveyor, a conveyor chain and a bend segment for the track of such chain conveyor. 4,805,764, 2-21-89, Cl. 198-805.000
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- Van Zile, Richard R., to Boehringer Mannheim Corporation. Tool for removing modular joint prosthesis. 4,834,081, 5-30-89, Cl. 128-92.0VT.
- van Zul, Jakob J.: *See*—
  - Zebker, Howard A.; Held, Daniel N.; van Zul, Jakob J.; Dubois, Pascale C.; and Norikane, Lynne, 4,829,303, Cl. 342-25.000.
- van Zweeden, Adriaan, to Multinorm B.V. Pump. 4,800,801, 1-31-89, Cl. 92-12.200.
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  - van't Hooft, Eric; and van Zwol, Libbe, 4,861,520, Cl. 252-644.000.
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- Vapor Corporation: *See*—
  - Daugirdas, Kristupas, 4,882,876, Cl. 49-141.000.
  - Russell, Jack A., 4,804,910, Cl. 324-120.000.
- Vapor Energy, Inc.: *See*—
  - Wyatt, W. Gerald; and Bleke, Jim, 4,817,518, Cl. 99-516.000.
- Vapor Technologies, Inc.: *See*—
  - Pinkhasov, Eduard, 4,828,934, Cl. 428-622.000.
  - Pinkhasov, Eduard, 4,859,489, Cl. 427-37.000.
  - Pinkhasov, Eduard, 4,869,203, Cl. 118-723.000.
- Vaporless Manufacturing, Inc.: *See*—
  - Geisinger, Penrod C., 4,872,490, Cl. 141-7.000.
- Vaquero, Juan J.: *See*—
  - Sunkel, Carlos; Fay de Casa Juana, Miguel; Dorrego, Fernando; Pando, Basilio; Alvarez-Builla, Julio; Vaquero, Juan J.; Galera, Carlos; and Vazquez, Maria L., 4,880,894, Cl. 548-152.000.
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  - Dougherty, James A.; and Vara, Fulvio J., 4,885,319, Cl. 522-31.000.
  - Tracy, David J.; Hashem, Mohamed M.; and Vara, Fulvio J., 4,806,609, Cl. 526-264.000.
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  - McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.
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- Varan, Duane O.: *See*—
  - Varan, Cyrus O.; and Varan, Duane O., 4,826,201, Cl. 280-609.000.
- Varani, James; Solomon, David E.; Hillegas, William J.; and Melmoth, David L., to University of Michigan, The; and Solohill Engineering Inc. Roller bottle system. 4,829,004, 5-9-89, Cl. 435-296.000.
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  - Varaprath, Sudarsanan; and Varaprath, Padmakumari J., 4,861,906, Cl. 556-419.000.
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  - Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.
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- Vardi, Joseph; and Zimmerman, Abraham A., to Exxon Research and Engineering Company. Use of polyhydric alcohols to reduce loss of amine oxides from liquid hydrocarbon fuels. 4,826,506, 5-2-89, Cl. 44-63.000.
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  - Zimmerman, Abraham A.; and Vardi, Joseph, 4,810,263, Cl. 44-72.000.
  - Zimmerman, Abraham A.; Canton, Geoffrey A.; Siegel, Joel R.; and Vardi, Joseph, 4,836,829, Cl. 44-53.000.
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- Vardy, Dennis: *See*—
  - Waites, Brian J.; Mather, James S. B.; and Vardy, Dennis, 4,834,387, Cl. 273-164.000.
- Varel Manufacturing Company: *See*—
  - Bronson, Charles L., 4,880,068, Cl. 175-369.000.
- Varela, Raul H.: *See*—
  - Cornie, James A.; Kattamis, Theodoulos; Chambers, Brent V.; Bond, Bruce E.; and Varela, Raul H., 4,853,182, Cl. 420-129.000.
- Varesio, Carlo: *See*—
  - Oppico, Ernesto; Varesio, Carlo, and Rosa, Onorino, 4,861,870, Cl. 536-16.900.
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  - Shmeleva, Ljubov A.; Chebyshev, Vladimir A.; Turkov, Roblen R.; Grokhotov, Vyacheslav T.; Alexandrovich, Jury B.; Ulyansev, Valentin I.; Varfolomeev, Dmitry F.; Pecheny, Boris G.; Vitaliev, Vladimir P.; and Sheludko, Viktor V., 4,849,094, Cl. 208-208.00R.
- Varga, Andras: *See*—
  - Neu Jozsef; Csatlos, Imre; Varga, Andras; Suranyi, Robert; Ilova Zoltan; Gaal, Sandor; Karsai, Jozsef; Sebestyen, Endre; Gardi, Eva; Siki, Karoly; Toth, Istvan; Gal, Gusztav; Dombay, Zsolt; Grega nee Toth, Erzsebet; Pavliscsak, Csaba; Tarpai, Gyula; Bonnyay, Peter; and Santha, Pal, 4,877,893, Cl. 558-86.000.
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  - Hoyle, David C.; Chang, Shu-Kong; and Varga, Gyula, 4,850,450, Cl. 181-102.000.
- Varga, Imre: *See*—
  - Karsai, Jozsef; Sebestyen, Endre; Palik, Jozsef; Karsai, Istvan; [illegible] Gyorgy; Rozsavolgyi, Mihaly; Varga, Imre; Kreszta, Trajan; and Czibor, Janos, 4,844,726, Cl. 71-87.000.
- Varga, Janos: *See*—
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- Varga, John T.: *See*—
  - Finlay, David E.; Hanna, Stephen D.; Stevenson, David C.; and Varga, John T., 4,841,453, Cl. 364-519.000.
- Varga, Ljubomir D.; and Losic, Novica A. Synthesis of load-independent switch-mode power converters. 4,885,674, 12-5-89, Cl. 363-21.000.
- Varga, Nevada. Play enclosure for artwork, paperwork, sand and water play use. 4,817,935, 4-4-89, Cl. 272-1.00A.
- Varga, Paul. Workpiece receiving and positioning device for machining operations. 4,861,011, 8-29-89, Cl. 269-99.000.
- Varga, Richard S.: *See*—
  - Kuan, Jeremy T. H.; Hopkins, Mary E.; and Varga, Richard S., 4,833,194, Cl. 524-525.000.
- Varga, Sandor L.: *See*—
  - Baldwin, John J.; Ponticello, Gerald S.; and Varga, Sandor L., 4,810,725, Cl. 514-524.000.
  - Britcher, Susan F.; Thompson, Wayne J.; Lyle, Terry A.; and Varga, Sandor L., 4,870,079, Cl. 514-289.000.
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- Vargas, Jose M.: *See*—
  - Goetsch, Duane A.; Say, Geoffrey R.; Vargas, Jose M.; and Eberly, Paul E., 4,888,131, Cl. 252-373.000.
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- Vargas, Rudolph, Jr., to Micropolis Corporation. High speed integrated charge pump circuit for phase lock loops. 4,829,391, 5-9-89, Cl. 360-51.000.
- Vargay, Zoltan: *See*—
  - Stadler nee Szoke, Agnes; Szejtli, Jozsef; Weiszfeiler, Viktor; Vargay, Zoltan; Kaloy, Katalin; Gergely, Vera; and Szuts, Tamas, 4,826,963, Cl. 536-103.000.
- Varges, Gunter: *See*—
  - Hellmann, Jens H.; Rupp, Karl-Heinz; and Varges, Gunter, 4,800,831, Cl. 114-40.000.
- Varghese, Alexander P.; and Herring, Robert H., to Air Products and Chemicals, Inc. Method and apparatus for storing cryogenic fluids. 4,877,153, 10-31-89, Cl. 220-469.000.

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  - Degnan, Thomas F., Jr.; and Varghese, Philip, 4,853,104, Cl. 208-61.000.
  - Fischer, Ronald H.; LaPierre, Rene B.; Shih, Stuart S.; and Varghese, Philip, 4,828,677, Cl. 208-89.000.
  - Kirker, Garry W.; and Varghese, Philip, 4,812,222, Cl. 208-89.000.
  - Sorensen, Charles M.; and Varghese, Philip, 4,886,918, Cl. 568-697.000.
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- Vargo, Frank J. High frequency-high voltage power converter circuit. 4,811,186, 3-7-89, Cl. 363-22.000.
- Vargo, Michael F.: *See*—
  - Lewis, David R.; Perkins, Albert J.; Raya, Gasper L.; Vargo, Michael F.; and Haggmark, James E., 4,852,154, Cl. 379-105.000.
- Vargus, Joel T.: *See*—
  - Weinerman, Lee S.; Mayo, Steven A.; Vargus, Joel T.; Albris, Frank R.; Russell, Richard H.; McLinden, Thomas V.; O'Grady, Richard M.; and Wentzell, Timothy H., 4,841,755, Cl. 70-208.000.
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- Varholak, Lawrence N., Jr.: *See*—
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- Vari-Lite, Inc.: *See*—
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- Varia, Sailesh A.: *See*—
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  - O'Laughlin, Richard L.; Panaggio, Andrea; and Varia, Sailesh A., 4,868,168, Cl. 514-179.000.
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- Varian Associates, Inc.: *See*—
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  - Beach, Lucinda M., 4,806,489, Cl. 436-82.000.
  - Bendall, Max R., 4,812,764, Cl. 324-318.000.
  - Brors, Daniel L.; Lane, Larry R.; Goldsborough, Mark W.; Samsel, Jason M.; van Mastrigt, Max; and Foster, Robert, 4,796,562, Cl. 118-725.000.
  - Caraher, James R.; Fengler, Albert F.; and Xu, Ming-Wei P., 4,866,748, Cl. 378-121.000.
  - Codrington, Robert S., 4,888,553, Cl. 324-312.000.
  - Eckstein, James N.; Webb, Christopher; and Weng, Shang-Lin, 4,812,650, Cl. 250-307.000.
  - Feinstein, Joseph, 4,876,687, Cl. 372-2.000.
  - Felch, Susan B.; and Powell, Ronald A., 4,807,994, Cl. 356-326.000.
  - Fisher, Peter A., 4,851,693, Cl. 250-492.300.
  - Foxall, David L., 4,800,494, Cl. 364-413.130.
  - Gunn, Bradley R., 4,821,165, Cl. 363-60.000.
  - Hanley, Peter R., 4,851,691, Cl. 250-492.200.
  - Hertel, Richard J.; Delforge, Adrian C.; Mears, Eric L.; MacIntosh, Edward D.; Jennings, Robert E.; and Bhargava, Akhil, 4,836,733, Cl. 414-225.000.
  - Hutchinson, Martin A., 4,851,101, Cl. 204-298.000.
  - Ives, Robert L.; Jory, Howard R.; and Feinstein, Joseph, 4,851,788, Cl. 331-91.000.
  - James, Bertram G., 4,866,343, Cl. 315-3.500.
  - Kessler, Sebastian W., Jr., 4,[illegible],057, Cl. 148-131.000.
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  - Landfors, Arthur A., 4,845,360, Cl. 250-288.000.
  - Lewis, Carol L. R., 4,881,979, Cl. 136-201.000.
  - McIntyre, Raymond D.; and Johnsen, Stanley W., 4,877,961, Cl. 250-397.000.
  - Mears, Eric L.; Hertel, Richard J.; Brick, Robert V.; and Holt, Carl J., Jr, 4,817,556, Cl. 118-503.000.
  - Mears, Eric L., 4,832,781, Cl. 156-345.000.
  - Mintz, Donald M., 4,865,712, Cl. 204-298.000.
  - Miram, George V.; Green, Michael C.; and Merdinian, George K., 4,873,468, Cl. 313-411.000.
  - Mohr, Hans J., 4,801,903, Cl. 333-113.000.
  - Nunan, Craig S., 4,868,843, Cl. 378-152.000.
  - Nunan, Craig S., 4,868,844, Cl. 378-152.000.
  - Ross, Randall I.; and Gunn, Bradley, 4,866,344, Cl. 315-3.500.
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  - Seppi, Edward J., 4,875,487, Cl. 128-660.030.
  - Stolowitz, Mark L.; and Taketomo, Amy G., 4,837,348, Cl. 556-9.000.
  - Zens, Albert P., 4,833,412, Cl. 324-322.000.
- Varian, Karl R.: *See*—
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- Varicolor AG: *See*—
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- Variety Accessories, Inc.: *See*—
  - Etzion, Raphael, 4,812,341, Cl. 428-24.000.
- Variety International, Inc.: *See*—
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- Variform, Inc.: *See*—
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- Varin, Michel, to Establissements Georges Olivier S.A. Vacuum cleaner suction head for picking up threads. 4,888,852, 12-26-89, Cl. 15-400.000.
- Varisco, Frank J.: *See*—
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- Varitimos, Thomas: *See*—
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- Varitronic Systems, Inc.: *See*—
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- Varjasi, Istvan; Areldt, Gyorgy; and Gajasz, Zoltan, to Budapesti Muszaki Egyetem. Circuit arrangement for producing high DC voltage from medium-frequency AC voltage. 4,807,105, 2-21-89, Cl. 363-68.000.
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- Varkonyi, Laszlo ; Vaci, Gyula; and Asszonyi, Csaba, to Comporgan System House. Process for the construction of a drain system. 4,820,080, 4-11-89, Cl. 405-45.000.
- Varley, George J., III. Apparatus for dispensing strip material from a roll. 4,881,675, 11-21-89, Cl. 225-43.000.
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  - Vandegrift, George F.; Vissers, Donald R.; Marshall, Simon L.; and Varma, Ravi, 4,839,133, Cl. 376-202.000.
- Varma, Shivendra. Hair dryer. 4,858,336, 8-22-89, Cl. 34-90.000.
- Varnel Chemical Business S.A.: *See*—
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- Varnell, Daniel F.: *See*—
  - Tate, Marilyn; and Varnell, Daniel F., 4,855,212, Cl. 430-281.000.
- Varnell, William D.; Newton, Thomas D.; and Holte, Mark D., to Allied-Signal, Inc. Homogeneous thermoset copolymers. 4,806,596, 2-21-89, Cl. 525-312.000.
- Varner, Donald, to ASC Incorporated. Retractable backlight. 4,852,935, 8-1-89, Cl. 296-146.000.
- Varner, Donald R.: *See*—
  - Tokarz, Stephen P.; Zaback, Lon A.; Pavlak, Thomas; and Varner, Donald R., 4,863,190, Cl. 280-808.000.
- Varner, Horace M.; and Stech, Ernest L., to Frost Engineering Development Corporation. Descent control device with deadman brake. 4,883,146, 11-28-89, Cl. 182-5.000.
- Varner, James R.: *See*—
  - Bassett, Robert W.; Griffin, William R.; Murphy, Susan A., Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., 4,878,209, Cl. 368-113.000.
  - Prilik, Ronald J.; and Varner, James R., 4,841,485, Cl. 365-201.000.
- Varnum, Ronald E.: *See*—
  - Smith, Gerald N.; and Varnum, Ronald E., 4,848,824, Cl. 296-100.000.
- Varo, Inc.: *See*—
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  - Hanson, Charles M.; Koester, Vaughn J.; and Fallstrom, Robert D., 4,884,137, Cl. 358-108.000.
  - Hart, Richard T., 4,887,887, Cl. 350-252.000.
  - Kastendieck, William A.; Hart, Richard T.; and Isbell, Wayne, 4,809,942, Cl. 248-900.000.
  - Kastendieck, William A.; and Wallace, Robert, 4,820,031, Cl. 350-538.000.
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  - Sorensen, Peter, III, 4,835,381, Cl. 250-227.000.
  - Witt, David A., 4,829,876, Cl. 89-1.530.
- Varotsis, Nikos: *See*—
  - Guieze, Paul B.; and Varotsis, Nikos, 4,864,843, Cl. 73-23.100.
- Varrasso, Eugene C.; and Day, Glen F., to Owens-Corning Fiberglas Corporation. Electrode monitoring system. 4,819,248, 4-4-89, Cl. 373-39.000.
- Varrasso, Eugene C.: *See*—
  - Sanik, Paul S.; Shreve, Dennis H.; and Varrasso, Eugene C., 4,819,149, Cl. 364-132.000.
  - Sheinkop, Isac; and Varrasso, Eugene C., 4,812,151, Cl. 65-29.000.
- Varrato, Paul A.: *See*—
  - Hoeflein, Harry E.; Varrato, Paul A.; and Maderas, K. J., 4,843,9[illegible], Cl. 101-128.000.
- Varreng, Jan, to Alcatel STK A/S. Power cable having sectionalized screen and method of making same. 4,855,536, 8-8-89, Cl. 174-73.100.
- Varri, Alpo O.: *See*—
  - Kulju, Hannu; and Varri, Alpo O., 4,800,386, Cl. 342-61.000.
- Varrio, Jukka: *See*—
  - Fossa, Markus; Asonen, Harry; Varrio, Jukka; and Salokatve, Arto, 4,876,218, Cl. 437-107.000.
- Varro, Andras: *See*—
  - Szilagyi, Geza; Bozo, Eva; Czollner, Laszlo; Jaszlits, Laszlo; Rabloczky, Gyorgy; Borsi, Jozsef; Elekes, Istvan; Nagy nee Csokas, Gyongyi; Varro, Andras; Lang nee Rihmer, Zuzanne; Cseh, Gyorgy; Horvath, Gyula; and Bodi, Ilona, 4,829,076, Cl. 514-356.000.
- Varsanik, Richard G.: *See*—
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- Varshavsky, Valery L.: *See*—
  - Nurmamedov, Narzy N.; Gonchar, Valery I.; Bazarov, Babamurad A.; Nurmukhamedov, Arslan; Skrylnikova, Irina V.; Mustaev, Ilyas A.; and Varshavsky, Valery L., 4,871,362, Cl. 623-6.000.

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Riensche, Heinrich, 4,855,659, Cl. 318-645.000.
Rumpf, Bernd; and Reisch, Wolfgang, 4,841,451, Cl. 364-484.000.
Sager, Peter, 4,852,008, Cl. 364-426.010.
Sinz, Wolfgang; and Kotulla, Gunther, 4,888,686, Cl. 364-200.000.
Ungermann, Heinz; Sauerschell, Wolfgang; and Heumann, Wilfried, 4,808,935, Cl. 328-146.000.
Wallrafen, Werner, 4,814,701, Cl. 324-160.000.
Wallrafen, Werner, 4,829,247, Cl. 324-208.000.
Wallrafen, Werner, 4,868,497, Cl. 324-160.000.
Weibler, Wolfgang; and Porth, Wolfgang, 4,821,700, Cl. 123-494.000.
Weibler, Wolfgang, 4,825,694, Cl. 73-204.260.
Weibler, Wolfgang; and Porth, Wolfgang, 4,841,938, Cl. 123-494.000.
Wietschorke-Muhsold, Stephan; and Gocking, Wolfgang, 4,858,639, Cl. 137-116.500.
Wokan, Andreas; Helmstadter, Gerald; and Probst, Kurt, 4,850,320, Cl. 123-365.000.
Zeiss, Manfred, 4,839,636, Cl. 340-752.000.

Vdoviak, John W.; and Lamando, Chester J., Jr., to General Electric Company. Gas turbine engine augmentor. 4,833,881, 5-30-89, Cl. 60-261.000.

Vdoviak, John W., to General Electric Company. Fuel spraybar. 4,887,425, 12-19-89, Cl. 60-261.000.

Vea, Cary A. C., to Polytron Corporation. Cable installation and placement implement. 4,854,546, 8-8-89, Cl. 254-134.30R.

Veach, John S.: *See—*
Dyment, James A.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,794,764, Cl. 62-250.000.
Dyment, James A.; Callon, Floyd R.; Benison, Harvey W.; Haschart, Karl E.; and Veach, John S., 4,848,856, Cl. 312-135.000.

Veatch, Mark S.: *See—*
Merkelo, Henri; McCreadie, Bradley D.; and Veatch, Mark S., 4,866,660, Cl. 364-822.000.

Veaux, Jacques; and Derrien, Michel, to Messier-Hispano-Bugatti. Shock absorber with adjustable residual stroke. 4,805,882, 2-21-89, Cl. 267-64.250.

VEB Elektro-und Metallgerate Ilmenau: *See—*
Fisch, Joachim; Kost, Hans-Richard; Riemann, Manfred; Sonnemann, Jor; and Fisch, Gerda, 4,831,268, Cl. 250-432.00R.

VEB Elektromat Dresden: *See—*
Podeschwa, Horst; Gerard, Joachim; and Schoepe, Wolfgang, 4,821,595, Cl. 74-479.000.
Wolfgang, Kraib; and Joachim, Gerard, 4,856,699, Cl. 228-4.500.

VEB Forschung und Entwicklung: *See—*
Feustel, Mattias; Frotscher, Guenter; Nitschke, Wieland; Obenauf, Dieter; Saupe, Juergen; and Weidelt, Manfred, 4,840,202, Cl. 139-425.00R.

VEB Forster Tuchfabriken: *See—*
Reim, Ingeborg; Pohl, Gerhard; Gotzke, Wolfgang; Wahnberger, Dieter; Postel, Lothar; Kindlein, Irmgard; Vatter, Rudolf; and Greschke, Manfred, 4,794,678, Cl. 28-107.000.

VEB Hockvakuum Dresden: *See—*
Reiche, Dieter; Thuerk, Matthias; and Duerselen, Roderich, 4,874,677, Cl. 428-605.000.

VEB Infrarot-Anlagen Oranienburg: *See—*
Bauch, Helmut; Kleber, Wolfgang; and Auerbach, Dieter, 4,798,338, Cl. 239-692.000.

VEB Jenapharm: *See—*
Bergter, Friedrich; Bocker, Harald; Bormann, Ernst-Joachim; Forberg, Wolfgang; Fricke, Heinz; Grafe, Udo; Grosse, Hans-Helmut; Heller, Ingeborg; Hilliger, Matthias; Junne, Wolf; Linde, Hellmut; Menner, Michael; Menzel, Klaus-Dieter; Muller, Peter-Jurger; Plonka, Gunter; Pohl, Hans D.; Schneider, Jorg; and Thrum, Heinz, 4,861,715, Cl. 435-70.000.

VEB Kombinat Feinmechanische Werke Halle: *See—*
Poehler, Manfred; Staupendahl, Gisbert; and Wittig, Richard, 4,845,716, Cl. 372-10.000.
Pohler, Manfred; Staupendahl, Gisbert; and Wittig, Richard, 4,858,240, Cl. 372-10.000.

VEB Kombinat Frotschritt Landmaschinen: *See—*
Prellwitz, Hubert; John, Gunter; Steglich, Christian; and Kruger, Astrid, 4,795,201, Cl. 289-1.500.

VEB Kombinat Polygraph "Werner Lamberz" Leipzig: *See—*
Fenske, Horst; Hertrich, Klaus; Schumann, Helmut; and Storr, Rudolf, 4,834,361, Cl. 271-187.000.
Hank, Dietrich; and Bruggemann, Peter, 4,881,182, Cl. 364-519.000.
Hefftler, Victor; Johne, Hans; Schulz, Horst; Jentzsch, Arndt; and Schone, Helmut, 4,811,663, Cl. 101-183.000.
Naumann, Johannes; Tappert, Hans-Jurgen; Schrader, Klaus; Klose, Bernhard; and Dietrich, Bob, 4,809,590, Cl. 92-125.000.
Neubert, Eberhard; Wardenga, Hans-Michael; Polzer, Gottlieb; Lange, Juergen; Schrader, Klaus; Junker, Frank; Dittmann, Norbert; Spevacek, Ullrich; and Tappert, Hans-Juergen, 4,848,266, Cl. 118-76.000.
Schumann, Frank; Redmer, Claus-Dieter; and Richter, Lutz, 4,850,520, Cl. 227-81.000.
Schumann, Frank, 4,858,539, Cl. 112-21.000.
Skiera, Heinz, 4,815,377, Cl. 101-218.000.

VEB Kombinat Textima: *See—*
Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wuensch, Wolfgang; and Zeisberg, Peter, 4,841,747, Cl. 66-84.00A.
Frenzel, Bertram; Grenzendorfer, Dietmar; Kemter, Heinz; Wunsch, Wolfgang; and Zeisberg, Peter, 4,873,844, Cl. 66-84.00A.
Tasler, Guenter; Wiendenhoeft, Klaus; Schultheiss, Michael; Schoenfuss, Martin; Ludwig, Theo; Huster, Klaus; and Grenzendoerfer, Dietmar, 4,852,370, Cl. 66-203.000.

VEB Leipziger Arzeimittelwerk: *See—*
Schossler, Werner; Boeden, Hans-Friedrich; Holtzhauer, Martin; Loth, Fritz; Hiepe, Falk; Bertram, Dieter; Mielke, Frank; Muller, Reinhard; and Konjuchowa, Dagmar, 4,822,681, Cl. 428-405.000.

VEB Messgeraetewerk Erich Weiner Magdeburg, Betrieb des Kombinates: *See—*
Kienitz, Ulrich; and Schiewe, Christian, 4,821,219, Cl. 364-571.030.

VEB Messgeraetewerk "Erich Weinert" Magdeburg, Betrieb des Kombinates VEB EAW Berlin-Treptow: *See—*
Kienitz, Ulrich, 4,880,314, Cl. 374-129.000.

VEB Metallurgieelektronik Leipzig: *See—*
Gruber, Harald; Richter, Andreas M.; Fanghanel, Egon; Roth, Hans-Klaus; Friedrich, Heinz; and Maras, Siegfried, 4,886,627, Cl. 252-513.000.

VEB Polygraph: *See—*
Jentzsch, Arndt; Mueller, Wolfgang; Missbach, Falko; and Eichler, Volker, 4,867,062, Cl. 101-350.000.

VEB Werk fuer Fernsehelektronik im VEB Kombinat Mikroelektronik: *See—*
Seeboth, Arno; Gloede, Joerg; Koswig, Hans-Dieter; Ludwig, Horst; Obernik, Hartwin; and Seeboth, Helmuth, 4,842,375, Cl. 350-339.00R.
Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachim; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Pascnke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

Veba Oel Aktiengesellschaft: *See—*
Dohler, Werner; Holighaus, Rolf; and Niemann, Klaus, 4,810,365, Cl. 208-262.100.

Veba OEL Entwicklungs-Gesellschaft mbH: *See—*
Kretschmar, Klaus; Merz, Ludwig, Niemann, Klaus; Guitian, Jose; Krasuk, Julio; and Marruffo, Franzo, 4,851,107, Cl. 208-108.000.
Wenning, Hans-Peter, 4,863,586, Cl. 208-102.000.

Vebco, Inc.: *See—*
Britt, Paul E., 4,886,989, Cl. 310-89.000.

Vecchi, Mario P.: *See—*
Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,834,483, Cl. 350-96.160.
Arthurs, Edward; Goodman, Matthew S.; Kobrinski, Haim; and Vecchi, Mario P., 4,873,681, Cl. 370-3.000.

Vecchia, Gino D., to Sperotto Rimar S.p.A. Air percussion and air suction dryer for machines for continuous textile treatment. 4,835,880, 6-6-89, Cl. 34-115.000.

Vecchia, Gino D., to Sperotto Rimar S.P.A. Apparatus for the continuous decating of a fabric. 4,858,448, 8-22-89, Cl. 68-5.00E.

Vecchia, Gino D., to Sperotto-Rimar S.p.A. Process and plant to carbonize vegetable impurities in textile woolen manufactured articles. 4,865,616, 9-12-89, Cl. 8-128.100.

Vecchia, Gino D., to Sperotto Rimar S.p.A. Apparatus for the presettable calendering of tubular knitted fabric. 4,875,260, 10-24-89, Cl. 26-81.000.

Vecchietti, Vittorio; Signorini, Massimo; and Giordani, Antonio, to Dr. Lo. Zambeletti S.p.A. Cyclic carboxamide derivatives and their use as analgesics. 4,801,585, 1-31-89, Cl. 514-210.000.

Vecchietti, Vittorio; Signorini, Massimo; and Giordani, Antonio, to Dr. Lo Zambeletti S.p.A. Piperidine analgesics. 4,826,819, 5-2-89, Cl. 514-212.000.

Vecchietti, Vittorio: *See—*
Giardina, Giuseppe; and Vecchietti, Vittorio, 4,806,547, Cl. 514-307.000.
Giordani, Antonio; and Vecchietti, Vittorio, 4,879,300, Cl. 514-317.000.

Vecchio, Charles J. Plow for motor grader. 4,834,191, 5-30-89, Cl. 172-784.000.

Vecht, Aron: *See—*
Higton, Malcolm H.; and Vecht, Aron, 4,859,904, Cl. 313-506.000.

Vecsey, K. Istvan: *See—*
Pelyva, Jeno; Vecsey, K. Istvan; Kolonics, Zoltan; Legradi, Laszlo; Nagy, Lajos; Horvath, Andras; Fodor, Ferenc, deceased; Soptei Csaba; Sebok, Dezso; Tomordi, Elemer; Lendvai, Laszlo; Karacsonyi, Bela; and Dioszegi, Erzsebet, 4,859,772, Cl. 544-11.000.

Vecstar Limited: *See—*
Bridgstock, Eric; Glaves, Brian; Kenworthy, David M. A.; and Bilton, David A., 4,795,877, Cl. 219-109.000.

Vector Magnetics: *See—*
Kuckes, Arthur F.; and Thompson, Bruce G., 4,845,434, Cl. 324-346.000.

VectorVision Corporation: *See—*
Mozayeny, Bahram, 4,872,105, Cl. 364-167.010.

Vectron, Inc.: *See—*
Wood, George A., 4,842,411, Cl. 356-376.000.

Vedage, Gamimi: *See—*
Klier, Kamil; Hennan, Richard G.; and Vedage, Gamimi, 4,843,101, Cl. 518-713.000.

Vedamuthu, Ebenezer R., to Microlife Technics, Inc. Method for producing mucoid and phage resistant group N streptococcus strains from non-mucoid and phage sensitive parent strains. 4,874,616, 10-17-89, Cl. 426-43.000.

Vedejs, Ilona: *See—*
Ross, Robert R.; and Vedejs, Ilona, 4,820,007, Cl. 350-96.200.

Vedove, Walter D., to Solvay & Cie. (Societe Anonyme). Composite sheet for impervious coating of construction components. 4,885,210, 12-5-89, Cl. 428-447.000.

Vedres, Andras; Szantay, Csaba; Moldvai, Istvan; Stefko, Bela; Groo, Dora; Karpati, Egon; Kiss, Bela; Palosi, Eva; Riesz, Miklos; Szombathelyi, Zsolt; Szporny, Laszlo; and Zajer nee Balazs, Maria, to Richter Gedeon Vegyeszeti Gyar Rt. Nitrovincaminic acid derivatives having pharmaceutical utility. 4,810,709, 3-7-89, Cl. 514-283.000.

Vedril S.p.A.: *See—*
Sempio, Carlo; Vailati, Romeo; and Ronchetti, Tullo, 4,822,652, Cl. 428-34.500.

Vedros, Neylan A.; and Liu, Te-ning E., to Biotech Connections, Inc. Process for preparing veterinary acellular vaccines against gram-negative nonenteric pathogenic bacilli. 4,877,613, 10-31-89, Cl. 424-92.000.

Veeck, Stewart J.: *See—*
Colvin, Gregory N.; and Veeck, Stewart J., 4,842,822, Cl. 420-533.000.

Veeder-Root Limited: *See—*
Clish, Frank; and Franklin, John B., 4,858,135, Cl. 364-426.040.

Veendrick, Hendrikus J.: *See—*
Pfennings, Leonardus C.; Veendrick, Hendrikus J.; and Van Zanten, Adrianus T., 4,817,090, Cl. 370-112.000.

Veendrick, Hendrikus J. M.; Van Der Sanden, Cornelis G. L. M.; and Slob, Arie, to U.S. Philips Corp. Integrated CMOS circuit comprising a substrate bias voltage generator. 4,820,936, 4-11-89, Cl. 307-296.200.

Veeneman, Dale E.; and Mazor, Baruch, to GTE Laboratories Incorporated. Method for enhancing the quality of coded speech. 4,852,169, 7-25-89, Cl. 381-38.000.

Veenemans, Cornelis; and Goossens, Jan J., to Volvo Car B.V. Cooling system for a turbo-compressor. 4,829,939, 5-16-89, Cl. 123-41.290.

Veenhof, Willem D. Controlled deflection of flexible scraper strands. 4,821,867, 4-18-89, Cl. 198-499.000.

Veenhoff, Bernd: *See—*
Johansen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, 4,852,614, Cl. 138-93.000.

Veenhuizen, Edward L.: *See—*
Anderson, David B.; Schmiegel, Klaus K.; Veenhuizen, Edward L.; and Tuttle, Ronald R., 4,849,453, Cl. 514-653.000.

Veenstra, Herbert E. V.: *See—*
Brommer, Gerrit; Van Herwijnen, Arend; Talma, Cornelis J.; and Veenstra, Herbert E. V., 4,827,381, Cl. 361-531.000.

Veenstra, Kerry S.: *See—*
Norman, Kevin A.; So, Hock-Chuen; Veenstra, Kerry S.; and Wong, Sau-Ching, 4,864,161, Cl. 307-272.200.

Veenvliet, Hendrik; Verhulst, Antonius G. H.; and Raaymakers, Antonius H. M., to U.S. Philips Corporation. Passive display device. 4,807,967, 2-28-89, Cl. 350-269.000.

Veenvliet, Hendrik; Raaymakers, Antonius H. M.; Verkerk, Maarten J.; and Witjes, Arnold H., to U.S. Philips Corporation. Method of manufacturing a diffuse reflector. 4,888,201, 12-19-89, Cl. 427-38.000.

Veerhusen, Dan S.; and Pattison, David C., to Rockwell International Corporation. Automatic fuel control and engine synchronizer system and apparatus. 4,805,396, 2-21-89, Cl. 60-39.150.

Vees, Frederick; and Langston, Terrance, to Xerkon, Inc. Method of making a dry fiber form and composites prepared therefrom. 4,867,086, 9-19-89, Cl. 112-262.300.

VEG-Gasinstituut N.V.: *See—*
Berben, Pieter H.; and Geus, John W., 4,818,740, Cl. 502-313.000.
Hakkers, Royce R. D.; and Hagen, Martin H., 4,800,763, Cl. 73-863.000.

Vega Automation: *See—*
Boisseau, Jean-Louis, 4,807,428, Cl. 53-563.000.

Vega de Kuyper, Juan C.: *See—*
Saphores Wiedmaier, Eugenio A.; Gleisner Klempau, Arturo G.; Vega de Kuyper, Juan C.; and Mardones Parra, Wladimir A., 4,886,595, Cl. 209-166.000.

Vega, Guillermo: *See—*
Bottoms, Stanley; and Vega, Guillermo, 4,815,105, Cl. 375-37.000.

Vega Laboratories, Inc.: *See—*
Cort, Joseph H.; and Fischman, Alan J., 4,829,051, Cl. 514-11.000.

Vega-Noverola, Armando; Prieto Soto, Jose M.; Noguera, Fernando P.; Mauri, Jacinto M.; and Spickett, Robert G. W., to Fordonal, S.A. Antiemetic N-substituted benzamides. 4,877,780, 10-31-89, Cl. 514-161.000.

Vegeais, Patrick; and Bergougnoux, Michel, to Societe d'Applications Generales d'Electricite. Series type thermal writing head for printer. 4,806,947, 2-21-89, Cl. 346-76.0PH.

Veglia: *See—*
Dubuisson, Georges; and Huynh, Tan Duc, 4,796,210, Cl. 364-565.000.
Huynh, Tan D., 4,810,953, Cl. 324-120.000.

Veglia Borletti S.r.l.: *See—*
Bitetti, Rodolfo, 4,801,926, Cl. 340-624.000.
Bitetti, Rodolfo, 4,811,603, Cl. 73-493.000.
Bitetti, Rodolfo, 4,815,322, Cl. 73-519.000.
Bitetti, Rodolfo, 4,818,926, Cl. 318-618.000.
Maggia, Giorgio, 4,813,282, Cl. 73-319.000.

Veglio, Oreste, to HS Veglio S.r.l. Diamond segments and inserts. 4,860,722, 8-29-89, Cl. 125-15.000.

Vehar Gordon A.: *See—*
Goeddel, David V.; Kohr, William J.; Pennica, Diane; and Vehar, Gordon A., 4,853,330, Cl. 435-226.000.

Vehicle Systems Development Corporation: *See—*
Forsyth, Robert W.; and Forsyth, John P., 4,813,466, Cl. 152-179.000.

Vehling, Ernst, to Neumunstersche Maschinen- und Apparatebau GmbH (Neumag). Spooling machine. 4,817,879, 4-4-89, Cl. 242-35.50R.

Vehmaa, Raumo: *See—*
Niittyla, Heikki; Trygg, Hannu; Ljokkoi, Juhani; Poikolainen, Esko; and Vehmaa, Raumo, 4,869,463, Cl. 251-149.600.

Veignat, Norbert: *See—*
Oudet, Claude; Drey, Gilbert; and Veignat, Norbert, 4,866,323, Cl. 310-269.000.

Veik, Thomas L.: *See—*
Person, Herman R.; Veik, Thomas L.; Zwick, Scott D.; and Hesse, Joseph F., 4,811,004, Cl. 340-712.000.

Veillard, Dominique H., to Eastman Kodak Company. a.c. Self-biased magnetoresistive reproduce head utilizing second harmonic signal detection. 4,796,106, 1-3-89, Cl. 360-30.000.

Veillette, Luc: *See—*
David, Guy; Lacasse, Claude; Metivier, Christian; and Veillette, Luc, 4,866,594, Cl. 364-138.000.

Veilleux, Clement. Fence or railing. 4,809,955, 3-7-89, Cl. 256-65.000.

Veillon, John M.: *See—*
Muenger, James R.; Catena, Americo R.; Stevenson, John S.; Bergin, Anthony E.; Veillon, John M.; and Becker, Michael W., 4,801,307, Cl. 48-69.000.

Veinot, Dwight E.: *See—*
Nguyen, Dat T.; Veinot, Dwight E.; and Foster, James, 4,888,057, Cl. 106-18.120.

Veit, Axel: *See—*
Strasser, Wilhelm, and Veit, Axel, 4,803,845, Cl. 62-55.500.

Veit GmbH & Co.: *See—*
Fend, Fritz M.; and May, Dieter, 4,817,308, Cl. 38-1.00B.
Fottner, Franz, 4,823,488, Cl. 38-14.000.
Hafner, Josef; Bergmeier, Werner; Schonenberger, Rolf; and Fischer, Matthias, 4,881,468, Cl. 104-103.000.
von Stein, Gunther, 4,864,971, Cl. 122-4.00R.

Veit Transpo GmbH: *See—*
Veith, Gustav G.; Veith, Ulrich; and Veith, Adrian, 4,831,693, Cl. 24-530.000.

Veit, Wolfgang: *See—*
Spitznas, M.; Veit, Wolfgang; and Kirchhuebel, Rainer, 4,856,872, Cl. 350-255.000.

Veitengruber, James E.: *See—*
Konicke, Michael L.; Veitengruber, James E.; and Loesch, James G., 4,860,007, Cl. 340-173.000.

Veitenhansl, Rudolf; Froeschke, Wolfgang; and Piorr, Robert, to Henkel Kommanditgesellschaft auf Aktien. Ether sulfonates as antistatic agents. 4,826,998, 5-2-89, Cl. 549-14.000.

Veitenhansl, Rudolf; Froeschke, Wolfgang; Waltenberger, Peter; and Uphues, Guenter, to Henkel Kommanditgesellschaft auf Aktien. Phosphoric acid salt of the reaction product of a mono-carboxylic acid with a polyamine. 4,865,768, 9-12-89, Cl. 260-403.000.

Veitenhansl, Rudolf; Waltenberger, Peter; Lange, Fritz; Uphues, Guenter; and Ploog, Uwe, to Henkel Kommanditgesellschaft auf Aktien. Smoothing compositions for textile fibers containing dialkyl ethers of (poly)alkylene glycols. 4,883,604, 11-28-89, Cl. 252-8.900.

Veith, Adrian: *See—*
Veith, Gustav G.; Veith, Ulrich; and Veith, Adrian, 4,831,693, Cl. 24-530.000.

Veith, Gunter: *See—*
Hugo, Schilling; and Veith, Gunter, 4,871,124, Cl. 242-56.00R.

Veith, Gustav G.; Veith, Ulrich, and Veith, Adrian, to Veit Transpo GmbH. Clamp for sheet material articles. 4,831,693, 5-23-89, Cl. 24-530.000.

Veith, Ulrich: *See—*
Veith, Gustav G.; Veith, Ulrich; and Veith, Adrian, 4,831,693, Cl. 24-530.000.

Veitz, Rudolf: *See—*
Jaecklin, Andre; Roggwiller, Peter; Veitz, Rudolf; and Vlasak, Thomas, 4,843,449, Cl. 357-38.000.

Vekony, Sandor; and Vekonyne, Klara J., to Innofinance Altalanos Innovacios Penzintezet. Rotational working cylinder. 4,803,914, 2-14-89, Cl. 92-31.000.

Vekonyne, Klara J.: *See—*
Vekony, Sandor; and Vekonyne, Klara J., 4,803,914, Cl. 92-31.000.

Vela, Leo; Sasser, Thurman; and Martin, Roger L. Shoppers communication system and processes relating thereto. 4,882,724, 11-21-89, Cl. 364-401.000.
Velan, Baruch; Cohen, Sara; Grosfeld, Haim; and Shafferman, Avigdor, to State of Israel, Israel Institute for Biological Research. Bovine interferon. 4,877,865, 10-31-89, Cl. 530-351.000.
Velan Inc.: *See—*
  Hubacek, Mirek, 4,867,414, Cl. 251-315.000.
Velasco, Edward R.; and Velasco, Jo Ann. Tamperproof package and method. 4,813,541, 3-21-89, Cl. 206-459.000.
Velasco, Jo Ann: *See—*
  Velasco, Edward R.; and Velasco, Jo Ann, 4,813,541, Cl. 206-459.000.
Velasco R, Leon E.; Hidalgo, Rafael O.; Rodriguez, Joaquin; and Garcia, Wolfgang, to Intevep, S.A. Process for making anode grade coke. 4,795,548, 1-3-89, Cl. 208-131.000.
Velasco, Vincente S. Improvements introduced in the anchoring systems by means of threaded bolts. 4,797,044, 1-10-89, Cl. 411-51.000.
Velasquez, Florencio. Yieldable baseball base. 4,817,946, 4-4-89, Cl. 273-25.000.
Velasquez, Guadalupe. Automatic flushing apparatus for toilets. 4,831,670, 5-23-89, Cl. 4-408.000.
Velasquez, Jose R.: *See—*
  Martinez, Nelson P.; Velasquez, Jose R.; and Lujano, Juan A., 4,816,135, Cl. 208-120.000.
  Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos. 4,857,494, Cl. 502-210.000.
Velazquez, Jose. Chance determining device. 4,834,372, 5-30-89, Cl. 273-147.000.
Velcro Industries B.V.: *See—*
  Dubowik, John M., 4,822,443, Cl. 156-379.700.
  Dubowik, John M., 4,870,725, Cl. 24-442.000.
  Fischer, James R., 4,872,243, Cl. 24-442.000.
  Grogan, Larry N., 4,840,339, Cl. 248-205.200.
  Handler, Michael D., 4,863,127, Cl. 248-205.200.
  Handler, Michael D., 4,879,854, Cl. 52-238.100.
  Handler, Michael D., 4,884,713, Cl. 220-23.400.
  Handler, Michael D., 4,887,338, Cl. 24-306.000.
  Hatch, Richard N., 4,814,036, Cl. 156-245.000.
  Hatch, Richard N., 4,881,997, Cl. 156-66.000.
  Provost, George A., 4,824,261, Cl. 383-81.000.
  Provost, George A.; and Bahro, Rita T., 4,884,323, Cl. 24-442.000.
Veldhoff, James A. Baffle for coolant passage. 4,800,953, 1-31-89, Cl. 165-142.000.
Veldhuis, Raymond N. J., to U.S. Philips Corporation. Method and apparatus for correcting a sequence of invalid samples of an equidistantly sampled signal. 4,839,843, 6-13-89, Cl. 364-724.110.
Veldhuis, Raymond N. J., to U.S. Philips Corporation. Device for reproducing digitized video pictures using an improved restoration method. 4,876,595, 10-24-89, Cl. 358-136.000.
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Veldkamp, Wilfrid B.: *See—*
  Leger, James R.; Veldkamp, Wilfrid B.; and Scott, Miles L., 4,813,762, Cl. 350-162.160.
Veldman, Alphonsus G. Portable power tool with improved combustion chamber charging means. 4,821,683, 4-18-89, Cl. 123-46.0SC.
Velebil, Gerhard; and Harris, Christopher J. Method of and apparatus for establishing and maintaining dispersions of liquid and gaseous fractions. 4,832,848, 5-23-89, Cl. 210-617.000.
Velencei, John. Internal combustion engines. 4,834,034, 5-30-89, Cl. 123-73.0PP.
Velencei, John. Two-piston internal combustion engines. 4,836,153, 6-6-89, Cl. 123-73.0PP.
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  Leff, Alan A.; Metcalfe, Joseph E.; Velenyi, Louis J.; and Paparizos, Christos, 4,822,940, Cl. 585-415.000.
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  Hadjiiski, Anatoli M.; Varbanov, Hristo P.; Mishonov, Michail T.; Stamov, Vladimir P.; Savov, Rosen P.; Radenkov, Strahil K.; Panev, Vladimir B.; and Velev, Alexander S., 4,828,217, Cl. 249-27.000.
Velez, Jose; and Borah, Joshua D., to Applied Science Laboratories. Visor and camera providing a parallax-free field-of-view image for a head-mounted eye movement measurement system. 4,852,988, 8-1-89, Cl. 351-210.000.
Velez, Jose: *See—*
  Borah, Joshua D.; Merriam, James C.; and Velez, Jose, 4,859,050, Cl. 351-210.000.
Velie Circuits, Inc.: *See—*
  Velie, Larry N., 4,875,982, Cl. 204-14.000.
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Velie, Wallace W., to Mallard Products, Inc. Magnetic operator flow device. 4,874,012, 10-17-89, Cl. 137-557.000.
Velie, Wally W., to Scheu Manufacturing Company. Compact forced air heater. 4,848,313, 7-18-89, Cl. 126-110.00C.
Velikanov, Gennady F.: *See—*
  Arkhipov, Vladimir V.; Velikanov, Gennady F.; Levin, Yakov S.; Magdychansky, Vadim S.; Petrov, Gennady I.; Raer, Gilya A.; and Sarantsev, Kir B., 4,795,311, Cl. 416-186.00R.
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Velisavljevic, Milisav. Oil-water separator. 4,804,471, 2-14-89, Cl. 210-265.000.
Velius, George A.: *See—*
  Feustel, Timothy C.; Glemboski, Mark A.; Ordun, Michael R.; Velius, George A.; and Weinstein, Stephen B., 4,827,518, Cl. 381-42.000.
Velke, David C., Sr.; Marsden, George P.; and Leffingwell, Burton C. Gas tube electrode connector. 4,842,535, 6-27-89, Cl. 439-232.000.
Velke, David C., Sr.; Marsden, George P.; and Leffingwell, Burton C. Electrical splice connector. 4,874,909, 10-17-89, Cl. 174-845.000.
Vella-Coleiro, George P., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Symmetric integrated amplifier with controlled DC offset voltage. 4,825,174, 4-25-89, Cl. 330-277.000.
Vella, Louis J. Apparatus and method for refilling self-contained breathing apparatus. 4,862,931, 9-5-89, Cl. 141-1.000.
Vella, Paul J.: *See—*
  O'Sullivan, Maurice S.; Kim, Hyung B.; So, Vincent C.; and Vella, Paul J., 4,859,018, Cl. 350-96.160.
Vella, Philip A.; and Noack, Manfred G., to Olin Corporation. Process for producing an aqueous solution containing chlorine dioxide and chlorine. 4,839,152, 6-13-89, Cl. 423-478.000.
Vella, Philip A.: *See—*
  Gasper, Kenneth E.; and Vella, Philip A., 4,886,653, Cl. 423-478.000.
Vellekoop, Linda J.: *See—*
  Barth, Jordan; and Vellekoop, Linda J., 4,814,164, Cl. 424-49.000.
Velletaz, Alain J. L.: *See—*
  Martin Cocher, Jean P. C.; and Velletaz, Alain J. L., 4,831,812, Cl. 53-399.000.
Velluz, Alain: *See—*
  Pickenhagen, Wilhelm; and Velluz, Alain, 4,889,735, Cl. 426-536.000.
Velmet (Proprietary) Limited: *See—*
  Du Bourg, Noel J.; and De Klerk, Graham, 4,826,017, Cl. 209-234.000.
Velo Bind, Inc.: *See—*
  Abildgaard, William H.; Chadwick, Charles; Hotkowski, Peter; and Todaro, Frank A., 4,846,616, Cl. 412-7.000.
  Tipps, Barney A.; and Todaro, Frank A., 4,844,674, Cl. 412-43.000.
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  Abildgaard, William H.; Ransom, Dale; and Crudo, Phillip M., 4,833,958, Cl. 83-154.000.
Velsko, Stephan P.: *See—*
  Wang, Francis; and Velsko, Stephan P., 4,876,688, Cl. 372-22.000.
Velte, Dieter: *See—*
  Schacht, Eckhard; Velte, Dieter; Werner, Wolfgang; and Wolf, Albert, 4,800,128, Cl. 421-448.000.
Velten, Terrance J.; and Demmel, Edward J., to Intercat, Inc. Method of incorporating small crystalline catalytic ingredients into an attrition-resistant matrix. 4,826,793, 5-2-89, Cl. 502-64.000.
Velthof, Johannes H. M.: *See—*
  Dekker, Hendrikus J.; and Velthof, Johannes H. M., 4,797,904, Cl. 375-60.000.
Velthuis, Otto M.: *See—*
  Boxhoorn, Gosse; Schoenmakers, Peter J.; and Velthuis, Otto M., 4,806,518, Cl. 502-231.000.
Veltman, Ian: *See—*
  Hughes, Victor B.; and Veltman, Ian, 4,869,814, Cl. 210-142.000.
Veltman, Preston L.; and Hansen, Ove. Particulate fuel components for solid propellant systems. 4,882,994, 11-28-89, Cl. 102-290.000.
Veltman, Preston L. Means to promote the neutralization reaction between particulate calcium carbonate and ionized phosphate. 4,889,725, 12-26-89, Cl. 424-675.000.
Veltri, Robert W.: *See—*
  Fodor, Gabor B.; Sussangkarn, Kawporn; and Veltri, Robert W., 4,883,808, Cl. 514-468.000.
  Maxim, Peter E.; and Veltri, Robert W., 4,883,813, Cl. 514-470.000.
Veltrop, Hans; Wesemeyer, Harald; and Buil, Boudewijn J. A. M., to Hauzer Holding B.V. Cathode arc discharge evaporating device. 4,849,088, 7-18-89, Cl. 204-298.000.
Veltz, Jean-Noel: *See—*
  Jouquey, Alain; Philibert, Daniel; Moguilewsky, Martine; and Veltz, Jean-Noel, 4,865,767, Cl. 260-397.450.
Veltze, Janusz A. Method and apparatus for measuring the position of an object boundary. 4,814,624, 3-21-89, Cl. 250-560.000.
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Velvel, William E.: *See—*
  Popper, Peter; and Velvel, William E., 4,860,610, Cl. 74-572.000.
Velzel, Christiaan H. F.; and Kessels, Henricus M. M., to U. S. Philips Corporation. Optical scanning apparatus which detects scanning spot focus error. 4,850,673, 7-25-89, Cl. 350-162.170.
Velzel, Christiaan H. F.: *See—*
  Kessels, Henricus M. M.; and Velzel, Christiaan H. F., 4,800,547, Cl. 369-45.000.
VEMCO: *See—*
  Law, Verl, 4,834,151, Cl. 141-198.000.
Ven Erden, Donald L., to Minigrip, Inc. Transverse zipper bag material and method of and means for making same. 4,878,987, 11-7-89, Cl. 156-519.000.

Venable, Frank: *See—*
  Swift, Allan W.; and Venable, Frank, 4,811,977, Cl. 292-307.00A.
Venable, Larry G.: *See—*
  Covington, John B.; Marriott, Vic B.; Venable, Larry G.; and Kim, Peter, 4,816,380, Cl. 430-311.000.
Venable, Phillip G., to J. I. Case Company. Latch assembly. 4,832,384, 5-23-89, Cl. 292-87.000.
Venables, Anne; Regard, Dominique; and Laruelle, Gerard, to Office National d'Etudes et de Recherches Aerospatiales. Propeller nozzles thereby reducing lateral forces. 4,821,962, 4-18-89, Cl. 239-265.150.
Venalainen, Olavi, to Auto Robot Finland Ky. Car body rectifying means. 4,848,136, 7-18-89, Cl. 72-447.000.
Venaleck, Howard J.: *See—*
  Pretchel, David A.; Venaleck, Howard J.; and Venaleck, John T., 4,795,602, Cl. 264-272.150.
Venaleck, John T.: *See—*
  Black, Robert H.; and Venaleck, John T., 4,863,402, Cl. 439-736.000.
  Pretchel, David A.; Venaleck, Howard J.; and Venaleck, John T., 4,795,602, Cl. 264-272.150.
Venanzi, Luigi: *See—*
  Pino, Piero; Venanzi, Luigi; Wittwer, Heinz; and Daum, Ulrich, 4,870,156, Cl. 528-487.000.
Venclovas, Ruta J.: *See—*
  Myers, Donald O.; and Venclovas, Ruta J., 4,872,945, Cl. 156-627.000.
Vendel, Jacques: *See—*
  Mulcey, Philippe; Pourprix, Michel; Pybot, Patrick; and Vendel, Jacques, 4,868,398, Cl. 250-458.100.
Vendely, John A.; and Badger, David M., to Wavetek RF Products, Inc. Hybrid frequency shift keying modulator and method. 4,878,035, 10-31-89, Cl. 332-101.000.
Venderbush Industrial Corporation: *See—*
  Pohl, Ronald R., 4,860,778, Cl. 135-97.000.
Venditti, Arthur P.; and Martz, William M. Picture pen. 4,798,016, 1-17-89, Cl. 40-334.000.
Vendmatic Oy: *See—*
  Takaniemi, Tauno, 4,827,816, Cl. 82-70.100.
Vendramini, Dante. Method of manufacturing structural members by braiding threads, and structural members obtained thereby. 4,800,796, 1-31-89, Cl. 87-5.000.
Veneklasen, Lee H.: *See—*
  Young, Lydia J.; and Veneklasen, Lee H., 4,818,838, Cl. 219-121.120.
Veneruso, Anthony F., to Schlumberger Technology Corporation. Apparatus for electromagnetically coupling power and data signals between well bore apparatus and the surface. 4,806,928, 2-21-89, Cl. 340-856.000.
Veness, Boyd L., to 3V Enterprises Inc. Ladder extension device. 4,844,208, 7-4-89, Cl. 182-201.000.
Venet, Alain: *See—*
  Andrieu, J. M.; Even, P.; and Venet, Alain, 4,814,323, Cl. 514-11.000.
Venezia, J. William: *See—*
  Klosin, John J.; and Venezia, J. William, 4,859,812, Cl. 174-135.000.
Veneziano, Larry D.: *See—*
  Hettinger, William P., Jr.; and Veneziano, Larry D., 4,816,195, Cl. 264-29.200.
Venier, Clifford G.; and Casserly, Edward W., to Pennzoil Products Company. Lubricants comprising novel cyclopentanes, cyclopentadienes, cyclopentenes, and mixtures thereof and methods of manufacture. 4,849,566, 7-18-89, Cl. 585-23.000.
Venkat, Chaya; and Whitehurst, Darrell D., to Mobil Oil Corporation. Catalytic cracking. 4,828,678, 5-9-89, Cl. 208-111.000.
Venkat, Chaya: *See—*
  Chen, Nai Y.; Huh, Billy K.; Ketkar, Anil B.; and Venkat, Chaya, 4,871,444, Cl. 208-46.000.
  Dessau, Ralph M.; Valyocsik, Ernest W.; and Venkat, Chaya, 4,830,729, Cl. 208-89.000.
Venkat, Rajoo; Boyes, Melvyn H.; and Estes, Howard S., to Northern Telecom Limited; and Venkat, Rajoo. Condensation and recovery of solvent and other vapors. 4,850,117, 7-25-89, Cl. 34-32.000.
Venkataraman, Krishnan; and Balch, Richard A., to General Electric Company. Electronic remote data recorder for electric energy metering. 4,862,493, 8-29-89, Cl. 375-107.000.
Venkatasetty, H. V.: *See—*
  Chandrasekhar, Prasanna; and Venkatasetty, H. V., 4,851,088, Cl. 204-1.00T.
Venkate-Shan, Shakkottai P.: *See—*
  Shakkottai, Parthasarathy; Kwack, Eug Y.; and Venkate-Shan, Shakkottai P., 4,876,889, Cl. 73-336.500.
Venn, Ingo: *See—*
  Meyer, Klaus-Rudolf; Venn, Ingo; and Mueller-Niescher, Ursula, 4,837,297, Cl. 528-326.000.
Venne, Maurice Y. P. Serving tray. 4,867,330, 9-19-89, Cl. 220-23.400.
Venner, Jozef G.; and Ko, Yoon S., to BASF Aktiengesellschaft. Production of partially carbonized polymeric fibrous material having an electrical resistivity of enhanced stability. 4,816,242, 3-28-89, Cl. 423-447.600.
Venners, Howard W.; Beyers Jr., Billy W.; and Hailey, James E., to RCA Licensing Corporation. Component audio/video system with timed control of plural peripheral devices. 4,855,730, 8-8-89, Cl. 340-825.240.
Vennesland, Oystein; and Opsahl, Ole A. Removal of chlorides from concrete. 4,832,803, 5-23-89, Cl. 204-130.000.
Vennesland, Oystein: *See—*
  Miller, John B.; and Vennesland, Oystein, 4,865,702, Cl. 204-147.000.
Vennewald, Werner: *See—*
  Lehmann, Hanno; Vennewald, Werner; and Hoffmann, Wolfram, 4,820,539, Cl. 426-581.000.
Vennike, Torben, to Ildvaco Engineering A/S. Reverse angle doctor blade assembly. 4,879,949, 11-14-89, Cl. 101-157.000.
Vensel, Charles D.: *See—*
  Frost, Terry; Smith, Terry B.; and Vensel, Charles D., 4,889,463, Cl. 414-416.000.
Venselaar, Henricus C. J.: *See—*
  Salter, James A.; Schmidt, Thomas R.; DeWitz, Thomas S.; Arbore, Charles M.; Duysings, Frederik M. H. J.; Van Der Meer, Johannes W.; Brown, David; and Venselaar, Henricus C. J., 4,838,738, Cl. 406-14.000.
Vent-Plant Corporation: *See—*
  Linkow, Leonard I.; and Rinaldi, Anthony W., 4,842,518, Cl. 433-174.000.
Venta Industrieanlagen GmbH: *See—*
  Hitzler, Alfred, 4,829,781, Cl. 62-311.000.
Venthem, John C.; Parnell, James A.; Hill, Mark; and Poole, Dan R., to Ametek, Inc. Pen tip position detector. 4,888,710, 12-19-89, Cl. 364-520.000.
Ventimiglia, Joseph J.; and Vatcha, Neville F., to Sinclair and Rush, Inc. Dip molding process and article. 4,800,116, 1-24-89, Cl. 428-215.000.
Ventouras, Kimon, to Zyma Sa. Swellable pellets. 4,882,169, 11-21-89, Cl. 424-493.000.
Ventouras, Kimon, to Zyma SA. Galenical formulation. 4,886,669, 12-12-89, Cl. 424-469.000.
Ventres Laboratories, Inc.: *See—*
  Goldfarb, Marcia F., 4,814,434, Cl. 530-380.000.
Ventresca, Salina: *See—*
  Baratpour, Shahin; and Ventresca, Salina, 4,852,885, Cl. 273-237.000.
Ventritex: *See—*
  Fogarty, Thomas J.; Chin, Albert K.; and Feehan, Joe, 4,860,769, Cl. 128-786.000.
  Pless, Benjamin; Sweeney, Michael; and Winkle, Roger, 4,827,936, Cl. 128-419.00D.
  Pless, Benjamin; and Ryan, John G., 4,868,908, Cl. 323-267.000.
  Ryan, John G.; and Gregorian, Roubik, 4,866,389, Cl. 324-433.000.
Ventrone, Roger: *See—*
  Nikiforov, Andrey; and Ventrone, Roger, 4,841,982, Cl. 128-716.000.
Ventrone, Sebastian T.: *See—*
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Ventura, Francis P., to T W Kutter Inc. Form, fill, and seal apparatus. 4,879,864, 11-14-89, Cl. 53-559.000.
Ventura, Leon P.; and Diaz-Infante, Javier, to Bud of California. Lettuce packer. 4,884,388, 12-5-89, Cl. 53-537.000.
Ventura, Lori M. Slit lamp assembly. 4,796,859, 1-10-89, Cl. 351-245.000.
Ventura, Robert M. Underwater (submersible) joint or splice. 4,839,470, 6-13-89, Cl. 174-84.00R.
Venture Chemicals, Inc.: *See—*
  Cowan, Jack C.; Granquist, Victor M.; and House, Roy F., 4,853,465, Cl. 530-506.000.
  Cowan, Jack C.; House, Roy F.; and Granquist, Victor M., 4,863,980, Cl. 525-54.310.
Venture Innovations, Inc.: *See—*
  House, Roy F.; Granquist, Victor M.; and Cowan, Jack C., 4,843,048, Cl. 501-148.000.
Venture Packaging, Inc.: *See—*
  Baines, Patrick A., 4,874,256, Cl. 383-21.000.
Venture Tape Corp.: *See—*
  Cohen, Lewis S.; and Rodrigues, Ivan, 4,842,908, Cl. 428-34.200.
Venturedyne, Ltd.: *See—*
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Venturello, Carlo; and D'Aloisio, Rino, to Montedison S.p.A. Process for the preparation of 2-carboxypyrazine 4-oxides. 4,866,178, 9-12-89, Cl. 544-406.000.
Venturello, Carlo: *See—*
  Francalanci, Franco; Ricci, Marco; Cesti, Pietro; and Venturello, Carlo, 4,865,771, Cl. 562-567.000.
Venturi, Giancarlo; Bedogni, Carlo; and Fregni, Bruno, to Italpres S.n.c. di Fregni Bruno & C. Apparatus for the perforation of the femur and the tibia in surgical operations. 4,862,882, 9-5-89, Cl. 128-92.0VD.
Venturini, Domenico. Double brush-roll vacuum cleaner. 4,850,077, 7-25-89, Cl. 15-384.000.
Venturini, Yves: *See—*
  Hochstrasser, Walter P.; Roch, Gertrud B.; Venturini, Yves; and Baruffa, Olindo, 4,809,450, Cl. 8-36.000.
Ventz, Julius. Flexible, narrow rung rope ladder for emergency escape. 4,846,306, 7-11-89, Cl. 182-196.000.
Venugopal, Raghunath: *See—*
  Ben-Arieh, David; Fritsch, Charles A.; Mandel, Kostia; Starzinski, Albert F.; and Venugopal, Raghunath, 4,807,108, Cl. 364-148.000.
Venugopalan, Bindumadhavan: *See—*
  Dhar, Rajkumar; Venugopalan, Bindumadhavan; Chatterjee, Dipak K.; Rupp, Richard H.; and de Souza, Noel J., 4,803,204, Cl. 514-232.800.

Venuti, Michael C.: *See—*

Jones, Gordon H.; Venuti, Michael C.; and Young, John M., 4,840,965, Cl. 514-450.000.

Venzke, Wilfried, to Werner & Pfleiderer GmbH. Method of operating a screw extruder and screw extruders for carrying out said methods. 4,804,505, 2-14-89, Cl. 264-40.100.

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Fleissner, Gerold, 4,805,425, Cl. 68-20.000.

Fleissner, Gerold, 4,807,337, Cl. 28-248.000.

Fleissner, Gerold, 4,823,686, Cl. 100-26.000.

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Fleissner, Heinz, 4,823,730, Cl. 118-223.000.

Vera-Castaneda, Ernesto; and Logsdon, John E., to Union Carbide Chemicals and Plastics Company Inc. Process for the production of saturated neo-alcohols. 4,886,919, 12-12-89, Cl. 568-885.000.

Vera, Eduardo S.; and Stupp, Edward H., to North American Philips Corporation. Dielectric passivation. 4,890,150, 12-26-89, Cl. 357-52.000.

Vera, Jean C., to ECIA - Equipements et Composants Pour L'Industrie Automobile. Method and appliance for evaluating the sound emission property of hollow components. 4,838,072, 6-13-89, Cl. 73-37.000.

Vera, Jean C., to ECIA - Equipements et Composants pour l'Industrie Automobile. Falciform blade for a propeller and its application in particular in motorized fans for automobiles. 4,871,298, 10-3-89, Cl. 416-189.000.

Veragen, Rene: *See—*

Berger, Henri; and Veragen, Rene, 4,865,580, Cl. 600-18.000.

Verano, Frank. Emergency braking system. 4,825,978, 5-2-89, Cl. 188-4.00R.

Verax Corporation. *See—*

Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; and Runstadler, Peter W., Jr., 4,861,714, Cl. 435-68.000.

Dean, Robert C., Jr.; Silver, Frederick H.; Berg, Richard A.; Phillips, Philip G.; Runstadler, Peter W., Jr.; and Maffia, Gennaro J., 4,863,856, Cl. 435-68.000.

Verbanets, William R., to Westinghouse Electric Corp. Obtaining a selected frequency component in rectangular coordinates from a set of electrical waveforms. 4,815,002, 3-21-89, Cl. 364-484.000.

Verbanets, William R.; and Elms, Robert T., to Westinghouse Electric Corp. Wide dynamic range current measuring apparatus. 4,876,502, 10-24-89, Cl. 324-115.000.

Verbatim Corporation: *See—*

Ashe, Philip R.; Carey, James R.; Champagne, Patrick J.; and Rowden, David L., 4,858,050, Cl. 360-133.000.

Bond, Charles R., 4,823,210, Cl. 360-60.000.

Champagne, Patrick J.; and Rowden, David L., 4,805,061, Cl. 360-133.000.

van Blerk, Victor B., 4,839,752, Cl. 360-69.000.

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Verbauwhede, Germain; and Vanassche, Roger. Woven fabric with bias weft and tire reinforced by same. 4,887,656, 12-19-89, Cl. 152-531.000.

Verbiest, Willem J. A., to Alcatel N.V. Image processing system and phaselocked loop used therein. 4,833,543, 5-23-89, Cl. 358-260.000.

Verbiest, Willem J. A.; and Duponcheel, Marc M. L., to Alcatel N.V. Information transmission system. 4,852,084, 7-25-89, Cl. 370-60.000.

Verbiscar, Anthony J.; and Banigan, Thomas F., to Anver Bioscience Design, Inc. Guayule rubber, resin and bagasse recovery and purification processes. 4,804,741, 2-14-89, Cl. 528-931.000.

Verbitsky, Alexandr N.: *See—*

Svidunovich, Nikolai A.; Parfenov, Leonid I.; Garost, Alexandr I.; Sorokin, Gennady A.; Volkov, Viktor N.; Obiedkov, Viktor A.; Karbanovich, Valery K.; Vashkevich, Vladimir V.; and Verbitsky, Alexandr N., 4,855,105, Cl. 420-75.000.

Verble, Patrick R., to North American Roofing Company, Inc. Non rotatable apparatus for securing roofing insulation blocks and an outer membrane. 4,825,613, 5-2-89, Cl. 52-408.000.

Verboom, Johannes J.; and Steenbergen, Christiaan, to Laser Magnetic Storage International Company. High density codes for optical recording. 4,802,154, 1-31-89, Cl. 369-59.000.

Verboom, Johannes J., to Optical Storage International Holland. Method of transmitting n-bit information words, information transmission system for carrying out the method, and encoding device and decoding device for use in the information-transmission system. 4,855,742, 8-8-89, Cl. 341-102.000.

Verboom, Johannes J., to Optical Storage International-Holland. Optical record carrier and apparatus for reading the record carrier. 4,866,686, 9-12-89, Cl. 369-32.000.

Verboom, Johannes J.: *See—*

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Getreuer, Kurt W.; Verboom, Johannes J.; and Sonneville, Pierre R., 4,879,707, Cl. 369-46.000.

Getreuer, Kurt W.; and Verboom, Johannes J., 4,879,708, Cl. 369-46.000.

Verbos, Stephen P., to Lift Tech International Inc. D.C. solenoid control circuit. 4,841,215, 6-20-89, Cl. 318-757.000.

Verboven, Paulus J. M.: *See—*

Lissenburg, Rokus C. D.; and Verboven, Paulus J. M., 4,810,915, Cl. 310-37.000.

Verbrugge, Calvin J.: *See—*

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Dole, Victoria F.; Monks, Simon D.; and Verdicchio, Robert J., 4,847,068, Cl. 424-47.000.

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Garrel, Andre ; Vallat, Yves; Bousquet, Frederic; and Verdier, Jean-Louis, 4,815,975, Cl. 433-189.000.

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Mathy, Ignaz; and Scharf, Gunther, 4,832,737, Cl. 75-249.000.

Ostermann, Friedrich; Dumont, Christian; Balbach, Rainer; and Sollner, Gerhard, 4,886,713, Cl. 428-687.000.

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Fischer, Helmuth, 4,809,492, Cl. 57-212.000.

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David, Thomas; and Uyka, Dieter, 4,800,874, Cl. 128-92.0YP.

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Rickert, Hans; Mueller, Peter; and Holzaepfel, Guenter, 4,836,992, Cl. 423-242.000.

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Moertens, Harm, 4,810,893, Cl. 250-385.100.

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Frenette, Richard; Gauthier, Jacques-Yves; Young, Robert N.; Zamboni, Robert; Kakushima, Masatoshi; and Verhoeven, Thomas R., 4,857,659, Cl. 562-426.000.

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Addink, Jaap H.; Beelen, Christiaan M. J. M.; Steen, Adam; Verhoog, Hendrik M.; and De Boer, Jurrie, 4,795,725, Cl. 501-101.000.

Verhow, Ronald L.: *See—*

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Morgan, Daniel P., 4,807,849, Cl. 251-362.000.

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Verkaart, Wesley H., to Level 1 Technologies. Heat exchanger for physiological fluids. 4,878,537, 11-7-89, Cl. 165-156.000.

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Verkler, Charles E. Frozen dessert mixer. 4,828,398, 5-9-89, Cl. 366-279.000.

Verkuil, Roger L.: *See—*

Curtis, Huntington W.; Fung, Min-Su; and Verkuil, Roger L., 4,812,756, Cl. 324-158.00R.

Verkuylen, Adrianus H. I., to Peters, Willem. Front wheel suspension for motorcycles. 4,875,543, 10-24-89, Cl. 180-219.000.

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Goodman, Murray; Marr-Leisy, Debra; Rosenkranz, Roberto P.; Melmon, Kenneth L.; and Verlander, Michael S., 4,837,305, Cl. 530-345.000.

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Hayes, Donald J.; Wallace, David B.; Verlee, Donald J.; and Houseman, Kenneth R., 4,877,745, Cl. 436-166.000.

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Verstegen, Judicus M. P. J.; Verlijsdonk, Johannus G.; de Meester, Emiel P. J.; Van de Spijker, Willebrordus H. M. M.; and Verriet, Johannes G., 4,837,481, Cl. 313-486.000.

Verlohr, Axel, to Siemens Aktiengesellschaft. Telephone exchange system with performance features activatable from an authorized subscriber station. 4,823,374, 4-18-89, Cl. 379-67.000.

Verma, Brahm P.: *See—*
Zaltzman, Arthur; Schmilovitch, Zeev; Verma, Brahm P.; and Hoffman, Aharon, 4,861,464, Cl. 209-474.000.

Verma, Lalit R.: *See—*
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Vermaas, Leo F.: *See—*
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Vermaat, David, to Imagitek. Copy turn around mechanism for reproduction machine. 4,884,798, 12-5-89, Cl. 271-307.000.

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Vermeij, Stephan: *See—*
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Vermeiren, Karel N., to SKF Industrial Trading and Development Co. B.V. Device for measuring the effective viscosity of a lubricant. 4,888,976, 12-26-89, Cl. 73-10.000.

Vermette, John E., to Baltimore Therapeutic Equipment Co. Device and method for rehabilitation and evaluation. 4,795,351, 1-3-89, Cl. 434-258.000.

Vermeule, Jacob: *See—*
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Vermeulen, Freddy J., to U.S. Philips Corp. Adjustable electromechanical component. 4,810,993, 3-7-89, Cl. 338-162.000.

Vermeulen-Hollandia Octrooien II B.V.: *See—*
Bekkema, Jeen, 4,841,205, Cl. 318-282.000.
Boots, Robert T., 4,844,534, Cl. 296-214.000.
Huyer, Johannes N., 4,877,285, Cl. 296-216.000.

Vermeulen, Jan, to Nicolon B.V. Method for the forming and the deposition in a selected place of a bulk. 4,878,446, 11-7-89, Cl. 114-27.000.

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Vervloet, Ludovicus H.; De Smedt, Willy P.; and Vermeulen, Leon L., 4,808,509, Cl. 430-237.000.

Vermeulen, Norbert: *See—*
Hannen, Reiner; and Vermeulen, Norbert, 4,866,916, Cl. 53-557.000.
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Vermilye, Michael L., to Boeing Company, The. Hybrid thrust reverser cascade basket and method. 4,852,805, 8-1-89, Cl. 239-265.110.

Vermilyea, Mark E., to General Electric Company. Passive shims for correction of (3,2) and (3,-2) harmonic terms in magnetic resonance magnets. 4,853,663, 8-1-89, C 335-301.000.

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Vermont Casings, Inc.: *See—*
Stancliffe, John N.; Carnelly, Stephen; Ferguson, Robert W.; and Andors, Derik K., 4,865,011, Cl. 126-77.000.

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Alden, Frank; and Wyatt, James A., 4,884,556, Cl. 126-546.000.
Ferguson, Robert W.; and Andors, Derik K., 4,856,491, Cl. 126-77.000.
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Cottenceau, Remi; Zurcher, Erwin; and Vermot-Gaud, Jacques, 4,827,740, Cl. 66-75.100.

Verna, Eric: *See—*
Hays, Jean-Francois; Legrand, Pierre; Verna, Eric; Delzenne, Michel; Reynaud, Bernard; and Gaillard, Pierre, 4,855,566, Cl. 219-130.400.
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Verna, Maurice: *See—*
Bauer, Jean-Michel; Bontems, Maurice; Desmicht, Denis; Marc Jacques; Mollet, Serge; and Verna, Maurice, 4,865,739, Cl. 210-490.000.

Vernac, Yves: *See—*
Bernard, Emile; Galland, Gerard; Vernac, Yves; and Doublier Charles, 4,865,690, Cl. 162-4.000.

Vernachio, Mark D. Side terminal battery charging apparatus 4,854,901, 8-8-89, Cl. 439-755.000.

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Boehmer, Dennis A.; and Edwards, Floyd V., 4,811,704, Cl. 123-188.00P.
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Vernay, Michel, to Sintra. Display system comprising a transparent emissive screen. 4,808,978, 2-28-89, Cl. 340-705.000.

Verne, Jean A., to Sullivan Strong Scott Ltd. Valve for distributing particulate materials. 4,807,662, 2-28-89, Cl. 137-554.000.

Verneker, Vencatesh R. P., to Martin Marietta Corporation. Combustible coatings as protective delay barriers. 4,824,495, 4-25-89, Cl. 149-7.000.

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  - Rodriquez, Isidoro L., 4,817,805, Cl. 211-71.000.
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  - Fishler, Mark K., 4,836,508, Cl. 266-220.000.
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  - Harasym, Michael F., 4,877,161, Cl. 222-591.000.
  - Hoggard, Dale B.; and Park Han K., 4,870,037, Cl. 301-97.000.
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  - Bridges, Charles D.; and Hartwein, Kenneth J., 4,834,177, Cl. 166-250.000.
  - Calder, Ian D.; and Cromar, Stephen A., 4,819,967, Cl. 285-18.000.
  - Funderburg, Robert R., Jr.; Kattner, Max E.; Milberger, Lionel J.; and Slaughter, Louis D., 4,817,724, Cl. 166-337.000.
  - Jaqua, David L., 4,799,827, Cl. 405-195.000.
  - Jennings, Charles E., 4,856,594, Cl. 166-338.000.
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  - Jones, Darrell L., 4,810,010, Cl. 285-55.000.
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  - Soszka, Barbara; Federowsky, Robert; and Mahler, Jacques, 4,853,021, Cl. 65-2.000.
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- Vetter, Kurt, to Behr Industrieanlagen GmbH & Co. Control system f a programmed spraying device. 4,838,311, 6-13-89, Cl. 137-624.20
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  - Behr, Hans; Vetter, Kurt; Schneider, Rolf; and Luderer, Fre 4,852,810, Cl. 239-703.000.
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- Vetter, Manfred. Pneumatic bolster for sealing damaged walls of containers and pipes. 4,880,035, 11-14-89, Cl. 138-99.000.
- Vetter, Manfred. Apparatus for sealing pipe. 4,883,094, 11-28-89, C 138-89.000.
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- Vetter, Udo J., to Arzheimittel GmbH Apotheker Vetter & Co. Ravensburg. Hypodermic syringe. 4,874,381, 10-17-89, Cl. 604-191.00
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- Vettiger, Peter: *See—*
  - Buchmann, Peter L.; Vettiger, Peter; and Van Zeghbroech, Bart 4,803,181, Cl. 437-228.000.
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- Veyo, Stephen E.: *See—*
  - Draper, Robert; and Veyo, Stephen E., 4,801,369, Cl. 204-258.000.
- Veyrand, Pierre: *See—*
  - Budin, Maurice; and Veyrand, Pierre, 4,884,187, Cl. 363-141.000.
- Veyrat, Gilles, to Alcatel. Motor and vane-pump assembly free from external oil leaks. 4,797,071, 1-10-89, Cl. 417-410.000.
- Veyre, Rene: *See—*
  - Charpin, Jean; Grangeon, Andre; Pejot, Francis; Plurien, Pierre; Rasneur, Bernard; Richard, Serge; and Veyre, Rene, 4,888,033, Cl. 55-158.000.
- Veys, Jeff M. Bucket-blade attachment for tractors. 4,854,811, 8-8-89, Cl. 414-718.000.
- Vezer, Szilard: *See—*
  - Kreidl, Janos; Turcsanyi, Peter; Aracs nee Trischler, Zsuzsanna; Stefko, Bela; Meszaros nee Brill, Judit; Deutsch nee Juhasz, Ida; Szilbereky, Jeno; Csizer, Eva; Vezer, Szilard; Bogsch, Erik; Bakos, Jozsef; Szotyori, Laszlo; and Heil, Balint, 4,831,194, Cl. 568-36.000.
- Vezina, Claude: *See—*
  - Surendra, Sehgal N.; and Vezina, Claude, 4,885,171, Cl. 424-122.000.
- Vezirian, Edward. Selected bearing couple for a rock bit journal and method for making same. 4,819,517, 4-11-89, Cl. 76-108.00A.
- Vezirian, Edward. Lost foam casting method. 4,854,368, 8-8-89, Cl. 164-34.000.
- Vezzani, Pompeo, to Domus Pompei S.r.l. Method of making dumplings. 4,869,914, 9-26-89, Cl. 426-549.000.
- VFR, Inc.: *See—*
  - Porterfield, Andrew D., 4,806,509, Cl. 501-127.000.
- VG Instruments Group Limited: *See—*
  - Bateman, Robert H., 4,810,882, Cl. 250-281.000.
  - Hall, David J.; Sanderson, Neil E.; and Hall, Edward F. H., 4,853,539, Cl. 250-288.000.
  - Hall, Keith; Freedman, Philip A.; Jumeau, Elizabeth J.; Guilluy, Roger; and Pachiaudi, Christiane, 4,866,270, Cl. 250-282.000.
  - Jessop, Paul A., 4,840,074, Cl. 73-864.810.
  - Kinge, Nigel; Sanderson, Neil E.; and Mills, David J., 4,883,957, Cl. 250-283.000.
  - Phillips, Robert B.; and Stonestreet, Paul R., 4,889,319, Cl. 251-368.000.
  - Waugh, Allen R., 4,829,178, Cl. 250-339.000.
- VHL Associates, Inc.: *See—*
  - Blanton, LeRoy, 4,827,437, Cl. 364-571.000.
- Vi-Jon Laboratories, Inc.: *See—*
  - Hofmann, William H., 4,824,662, Cl. 424-61.000.
- Vi-tal Hospital Products Ltd.: *See—*
  - Balding, Alan S.; Carter, Nigel F.; Frampton, Paul F.; and Rosso, Vincent A., 4,829,448, Cl. 364-509.000.
- VIA GmbH: *See—*
  - Schlensker, Herbert, 4,829,778, Cl. 62-272.000.
- Via, William R.; and Dominick, Thomas S., to Westinghouse Electric Corp. Quadrature combiner. 4,814,730, 3-21-89, Cl. 333-119.000.
- Viala, Jean C.: *See—*
  - Bouix, Jean; Viala, Jean C.; Vincent, Henri; Vincent, Christiane; Ponthenier, Jean L.; and Dazord, Jacques, 4,859,503, Cl. 427-249.000.
- Viall, Wilton S., Jr., to Boeing Company, The. Tubing connector with floating spool. 4,852,917, 8-1-89, Cl. 285-353.000.
- Vian, Joel: *See—*
  - Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,851,429, Cl. 514-444.000.
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  - Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,874,878, Cl. 549-462.000.
  - Peglion, Jean L.; Poignant, Jean C.; and Vian, Joel, 4,885,373, Cl. 549-458.000.
- Viani, Umberto. Boilers with catalytic combustion of methane for heating water for domestic use. 4,886,017, 12-12-89, Cl. 122-4.00D.
- Viannay, Stephane; and Sebbah, Jack, to Union Siderurgique du Nord et de l'est de la France (Usinor). Plant for effecting the controlled cooling of metal sheets. 4,813,652, 3-21-89, Cl. 266-80.000.
- Viannes, Nickolas P.: *See—*
  - Aleksoff, Carl C.; Subotic, Nikola S.; and Viannes, Nickolas P., 4,847,796, Cl. 364-602.000.
- Vianova Kunstharz, A.G.: *See—*
  - Gmoser, Johann; Paar, Willibald; and Honel, Michael, 4,845,171, Cl. 525-452.000.
  - Paar, Willibald, 4,801,661, Cl. 525-489.000.
  - Paar, Willibald, 4,808,688, Cl. 528-45.000.
  - Paar, Willibald, 4,837,291, Cl. 528-45.000.
  - Paar, Willibald; Honel, Michael; and Gmoser, Johann, 4,845,170, Cl. 525-452.000.
  - Paar, Willibald, 4,851,486, Cl. 525-528.000.
  - Paar, Willibald; and Arzt, Anton, 4,857,581, Cl. 524-591.000.
  - Staritzbichler, Werner; Dworak, Gert; and Daimer, Wolfgang, 4,871,807, Cl. 525-113.000.
  - Zima, Herbert; and Forstner, Josef, 4,849,475, Cl. 525-154.000.
- Viard, Alain, to Matra Automobile. Closure device having a hinged closure member. 4,833,826, 5-30-89, Cl. 49-246.000.
- Viard, Noel: *See—*
  - Moret, Jacques; Fosset, Jean-Maurice; Couturier, Jacques; and Viard, Noel, 4,797,524, Cl. 219-10.690.
- Viaud, Jean; and Gunther, Daniel, to Deere & Company. Machine for forming cylindrical bales of crop. 4,798,044, 1-17-89, Cl. 56-341.000.
- Viaud, Jean, to Deere & Comapny. Support assembly attached to a large round baler for forming a bale discharge ramp. 4,821,637, 4-18-89, Cl. 100-88.000.
- Viaud, Jean: *See—*
  - Frerich, Josef; and Viaud, Jean, 4,813,348, Cl. 100-5.000.
- Viazanko, John P. Extension table apparatus for power saw. 4,798,113, 1-17-89, Cl. 83-471.300.
- Vibrachoc: *See—*
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  - Perret, Rene; and Rouget de Gourcez, Etienne, 4,817,757, Cl. 181-288.000.
- Vibratech, Inc.: *See—*
  - Critton, Thomas J.; Johnson, Donald S.; Pukalo, Walter P.; and Yorio, Ralph, 4,872,369, Cl. 74-574.000.
- Vibro Dynamics Corporation: *See—*
  - Young, Sheldon E.; Young, Michael L.; and Folkens, Jerry D., 4,846,436, Cl. 248-542.000.
- Vicaine, Bernard: *See—*
  - Nathan, Guy; and Vicaine, Bernard, 4,847,540, Cl. 318-254.000.
- Vicarb: *See—*
  - Fayolle, Lucien; Mangin, Patrick; and Nineuil, Guy, 4,850,426, Cl. 165-111.000.
- Vicari, John J.; and Suttie, Peter J., to Sundstrand Corporation. Fluid flow self calibration scheme. 4,879,662, 11-7-89, Cl. 364-510.000.
- Vicari, Richard: *See—*
  - Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,256, Cl. 526-75.000.
  - Aslam, Mohammad; Vicari, Richard; Dammel, Ralph; Lingnau, Juergen; and Doessel, Karl-Friedrich, 4,868,257, Cl. 526-75.000.
  - Rupp, Raymond W.; Vicari, Richard; and Keene, Donna L., 4,847,327, Cl. 525-326.700.
- Vicars, Paul D.; Hendricks, Roy J.; and Goubeaux, Eugene F., Jr., to U.S. Creative Concepts. Article having a changeable-expression face. 4,798,556, 1-17-89, Cl. 446-391.000.
- Vicenes, Rudy, to Speath Design. Knock-down topiary form. 4,879,838, 11-14-89, Cl. 47-45.000.
- Vicenzi, Reno L., to Figgie International Inc. Fluid control valve assembly. 4,794,943, 1-3-89, Cl. 137-625.440.
- Viceroy Homes Limited: *See—*
  - Haas, Fred, 4,815,246, Cl. 52-207.000.
- Vicery, Earle R., III: *See—*
  - Stockebrand, Thomas C.; Kaufman, Joel D.; and Vicery, Earle R., III, 4,851,834, Cl. 340-801.000.
- Vich, Jose M. O. Apparatus for bone graft. 4,877,020, 10-31-89, Cl. 128-92.00V.
- Vicha, Susan K.: *See—*
  - Geary, Denise M.; Pettit, Paul H., Jr.; Kaufman, Marvin I.; and Vicha, Susan K., 4,801,680, Cl. 528-272.000.
  - Geary, Denise M.; Pettit, Paul H., Jr.; and Vicha, Susan K., 4,804,581, Cl. 428-332.000.
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- Vicic, John C.: *See—*
  - Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 277-188.00A.
- Vicik, Stephen J., to Viskase Corporation. Multilayer thermoplastic film. 4,851,290, 7-25-89, Cl. 428-334.000.
- Vicik, Stephen J., to Viskase Corporation. Shrink film. 4,857,399, 8-15-89, Cl. 428-332.000.
- Vicik, Stephen J., to Viskase Corporation. Meat adherable cook-in shrink film. 4,857,408, 8-15-89, Cl. 428-474.400.
- Vicik, Stephen J.: *See—*
  - Lustig, Stanley; Schuetz, Jeffrey M.; and Vicik, Stephen J., 4,828,891, Cl. 428-35.400.
  - Lustig, Stanley; Mack, Nancy M.; Schuetz, Jeffrey M.; and Vicik, Stephen J., 4,863,769, Cl. 428-34.900.
  - Lustig, Stanley; Schuetz, Jeffrey M.; and Vicik, Stephen J., 4,865,780, Cl. 264-22.000.
- Vicini, William: *See—*
  - Autry, Farrell; Vicini, William; and Harr, Roland, 4,815,653, Cl. 299-18.000.
- Vicino, Robert K., to Charmasson & Holz, a part interest. Method of molding monolithic building structure. 4,799,982, 1-24-89, Cl. 156-71.000.
- Vick, Eddie E.; and Cummings, Hazel H. Bendable permanent wave rod apparatus. 4,844,103, 7-4-89, Cl. 132-245.000.
- Vick, Howard A.: *See—*
  - Kraft, Thomas L.; Vick, Howard A.; Meador, James W.; and Johnson, Corrine, 4,809,707, Cl. 128-736.000.
  - Kraft, Thomas L.; Vick, Howard A.; and Meador, James W., 4,819,657, Cl. 128-736.000.
- Vick, Ralph L., to Allied-Signal Inc. Direct drive rotary servo valve. 4,794,845, 1-3-89, Cl. 91-387.000.
- Vick, Ralph L., to Allied-Signal Inc. Load compensated servo system to control flow rate as a function of command. 4,854,222, 8-8-89, Cl. 91-447.000.
- Vick, Ralph L., to Allied-Signal Inc. Lightweight hydraulic actuator. 4,878,419, 11-7-89, Cl. 92-163.000.
- Vickers, Anthony G.: *See—*
  - Lengemann, Robert A.; Thompson, Gregory J.; Vickers, Anthony G.; and Mott, Raymond W., 4,859,313, Cl. 208-113.000.
- Vickers, Geoffrey W.: *See—*
  - Wild, Peter M.; Vickers, Geoffrey W.; Hopkin, David A.; and Moilliet, Antony, 4,886,597, Cl. 210-321.680.
- Vickers, Incorporated: *See—*
  - Burgess, Roy T., Campau, Gregory P.; Claar, Leslie M.; Hodges, Robert C.; Snow, Douglas G.; and Taylor, Roy, 4,862,789, Cl. 92-12.200.
  - Edwards, Thomas L.; El-Ibiary, Yehia M.; Gunda, Rajamouli; Leemhuis, Richard S.; Phillips, Fred H.; and Rode, Melvin A., 4,811,561, Cl. 60-368.000.
  - Ezell, Larry O.; Schmid, John; and Tovey, Peter, 4,823,552, Cl. 60-443.000.

  - Gunda, Rajamouli, 4,798,527, Cl. 425-145.000.
  - Lonnemo, Kurt R., 4,811,650, Cl. 91-461.000.
  - Schweitzer, Jean J., 4,800,800, Cl. 91-483.000.
- Vickers Instruments (Canada) Inc.: *See—*
  - Herriot, Glen A., 4,818,873, Cl. 250-310.000.
- Vickers, James H., to Southco, Inc. Tamper-resistant fastener and tool for operating same. 4,827,811, 5-9-89, Cl. 81-436.000.
- Vickers, James H., to Southco, Inc. Captive fastener. 4,863,326, 9-5-89, Cl. 411-105.000.
- Vickers, John: *See—*
  - Morris, Michael; and Vickers, John, 4,799,958, Cl. 106-1.120.
- Vickers, Michael W.; and Stubbs, David W., to Maxcom Electronics, Inc. Pager and adjustable clip. 4,802,241, 1-31-89, Cl. 455-344.000.
- Vickers PLC: *See—*
  - McCann, James, 4,801,161, Cl. 285-93.000.
  - Watkiss, Philip J., 4,859,290, Cl. 204-33.000.
- Vickers Shipbuilding & Engineering Limited: *See—*
  - Box, Robert L., 4,816,007, Cl. 464-74.000.
  - Box, Robert L.; and Cottrell, Peter R., 4,859,107, Cl. 403-24.000.
- Vickers Systems GmbH: *See—*
  - Weidhaas, Horst, 4,830,592, Cl. 418-132.000.
- Vickers Systems Limited: *See—*
  - Cleasby, Kenneth G., 4,838,298, Cl. 137-110.000.
  - Cleasby, Kenneth G., 4,862,920, Cl. 137-625.300.
  - Walters, Ronald B.; and Hamey, Peter M., 4,811,607, Cl. 73-861.530.
- Vickery, Brian H.: *See—*
  - Nestor, John J., Jr.; and Vickery, Brian H., 4,801,577, Cl. 514-15.000.
- Vickery, Ian M. Anaesthesia mask. 4,803,981, 2-14-89, Cl. 128-206.240.
- Vicma, S.A.: *See—*
  - Pastor, Vincente N., 4,878,870, Cl. 446-298.000.
- Vicon Industries, Inc.: *See—*
  - Pshtissky, Yacov A.; and Gao, Shi-Yang, 4,860,101, Cl. 358-149.000.
- Victaulic Company of America: *See—*
  - Kunsman, Donald R., 4,886,304, Cl. 285-104.000.
- Victaulic Company of Japan, Ltd., The: *See—*
  - Hatakeyama, Ryoichi; and Ikeda, Shintaro, 4,838,582, Cl. 285-110.000.
- Victaulic Company PLC, The: *See—*
  - Wilson, Keith Andrew; and Kliene, Ronald Ian, 4,877,562, Cl. 264-22.000.
- Victoor, Johnny; Coopman, Lucien; and Moeneclaey, Denis, to Picanol N.V. Weft carrying gripper for weaving looms. 4,860,800, 8-29-89, Cl. 139-448.000.
- Victoor, Johnny: *See—*
  - Moeneclaey, Denis; Lagache, Remi; Victoor, Johnny; and Coopman, Lucien, 4,840,203, Cl. 139-453.000.
  - Moeneclaey, Denis; Coopman, Lucien; and Victoor, Johnny, 4,875,505, Cl. 139-448.000.
- Victor Company of Japan, Ltd.: *See—*
  - Abe, Toshiro; and Nishihara, Toshikazu, 4,808,489, Cl. 428-336.000.
  - Asahara, Shuichi, 4,851,898, Cl. 358-31.000.
  - Fujiwara, Nobuo, 4,873,493, Cl. 330-285.000.
  - Hamabe, Makoto; and Yamada, Yasuhiro, 4,809,093, Cl. 360-67.000.
  - Hibino, Chitoshi; Arimoto, Atsushi; and Yoshihara, Kenji, 4,853,876, Cl. 64-518.000.
  - Higurashi, Seiji, 4,819,088, Cl. 360-19.100.
  - Hikawa, Kazuo, 4,819,090, Cl. 360-32.000.
  - Hikawa, Kazuo, 4,858,035, Cl. 360-51.000.
  - Hikawa, Kazuo; and Inoue, Yasuo, 4,870,647, Cl. 371-49.100.
  - Imai, Tooru; Mutou, Kouichi; Yamazaki, Hidetoshi; and Murata, Masae, 4,797,865, Cl. 369-39.000.
  - Inoue, Yasuo; and Yamada, Yasuhiro, 4,809,275, Cl. 371-37.000.
  - Ishigaki, Yukinobu, 4,8[illegible]564, Cl. 331-1.00A.
  - Ishizaka, Yasuo; Watanabe, Noboru; Kimura, Kazuo; and Imaoka, Eiichiro, 4,798,765, Cl. 428-336.000.
  - Ito, Yutaka; Negishi, Kazuo; and Yamashita, Kohei, 4,796,104, Cl. 360-10.300.
  - Iwasaki, Yoshiki; Satoh, Shizuyoshi; Urushibata, Kenichi; Koizumi, Tasuko; Tago, Noriyuki; and Muta, Fusao, 4,864,318, Cl. 343-720.000.
  - Kashiwagi, Shigeru, 4,801,852, Cl. 315-400.000.
  - Katoh, Hiroshi; Taguchi, Hiromi; and Kikunaga, Shoji, 4,890,177, Cl. 360-107.000.
  - Kawasaki, Satoshi; Arai, Mitsuhiro; and Namiki, Yasuomi, 4,827,360, Cl. 360-64.000.
  - Kawase, Shigeru; Kinjo, Hisao; Mizuno, Yoshio; and Shudo, Katsuyuki, 4,868,678, Cl. 358-313.000.
  - Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, 4,811,122, Cl. 360-25.000.
  - Kishi, Toru; and Saito, Takashi, 4,825,316, Cl. 360-97.020.
  - Kitamura, Hiroyuki; and Ota, Yoshihiko, 4,805,034, Cl. 358-310.000.
  - Koyama, Masataka, 4,878,141, Cl. 360-120.000.
  - Kuwaoka, Toshiharu; and Kanai, Minoru, 4,847,873, Cl. 375-99.000.
  - Matsuo, Yasutoshi, 4,864,404, Cl. 358-167.000.
  - Minema, Ikumi; and Hieda, Yoshiro, 4,819,060, Cl. 358-29.000.
  - Miyamoto, Fumitaka; and Kato, Daisaku, 4,855,831, Cl. 358-183.000.
  - Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,807,064, Cl. 360-85.000.
  - Miyamoto, Ritsu; Tsuchiya, Eiichi; Shishido, Kazuhiko; Shimizu, Toshiaki; and Hosoya, Atsushi, 4,837,645, Cl. 360-85.000.
  - Mori, Takaro; and Yamada, Yasuhiro, 4,837,641, Cl. 360-32.000.
  - Moriizumi, Hirokazu; and Nagamine, Hiroto, 4,868,046, Cl. 428-323.000.
  - Nakagaki, Shintaro; and Negishi, Ichiro, 4,829,369, Cl. 358-41.000.
  - Nakamura, Itsuro; Sato, Yoshiaki; and Ito, Junichi, 4,863,795, Cl. 428-329.000.
  - Negishi, Ichiro; Nakagaki, Shintaro; and Ichimura, Hiroshi, 4,811,088, Cl. 358-47.000.
  - Nishimoto, Naomichi; Okauchi, Takeshi; and Kido, Koichi, 4,841,383, Cl. 360-33.100.
  - Nishizawa, Akira, 4,827,466, Cl. 369-126.000.
  - Ohtake, Yoshichi, 4,840,470, Cl. 350-429.000.
  - Okauchi, Takeshi, 4,811,127, Cl. 360-68.000.
  - Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.1
  - Ozaki, Hidetoshi, 4,853,783, Cl. 358-162.000.
  - Sakaguchi, Hironao; Yoshida, Masaji; and Matsuo, Yasutoshi, 4,860,105, Cl. 358-167.000.
  - Sakai, Kunihide, 4,803,582, Cl. 360-119.000.
  - Sunaga, Takeji; and Nagahisa, Junichi, 4,829,504, Cl. 369-75.200.
  - Tajima, Yukitoshi; Sakamoto, Hiromitsu; and Horiguchi, Nagu 4,826,005, Cl. 206-310.000.
  - Takanashi, Itsuo; Nakagaki, Shintaro; Iwahara, Makoto; Shinonaga, Hirohiko; Furuya, Masato; and Asakura, Tsutou, 4,831,452, Cl. 358-213.140.
  - Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,855,816, Cl. 358-47.000.
  - Takanashi, Itsuo; Nakagaki, Shintaro; Ichimura, Hiroshi; Negishi, Ichiro; and Osada, Masaru, 4,857,995, Cl. 358-47.000.
  - Takanashi, Itsuo; Tanaka, Hideshi; Ohara, Terumi; Miyazaki, Kenichi; Takahashi, Toshinori; Kitamura, Hiroki; Shinya, Tadao; and Mizoguchi, Yutaka, 4,862,255, Cl. 358-80.000.
  - Takanashi, Itsuo; Nakagaki, Shintaro; Shinonaga, Hirohiko; Asakura, Tsutou; and Furuya, Masato, 4,890,124, Cl. 346-160.000.
  - Takano, Takashi, 4,811,134, Cl. 360-85.000.
  - Tanaka, Koji; Nishikawa, Kazunori; and Yamada, Kazuo, 4,885,750, Cl. 371-37.400.
  - Tokuyama, Yoshio, 4,796,103, Cl. 360-10.300.
  - Toyama, Mitsuaki; Ebihara, Tameaki; Kawai, Syohei; Kon Keizo; and Shimoda, Nobuo, 4,823,187, Cl. 358-51.000.
  - Ueda, Kazuhiko, 4,837,630, Cl. 358-213.260.
  - Ueda, Kazuhiko, 4,839,725, Cl. 358-160.000.
  - Ueno, Shoji; Yamada, Yasuhiro; and Inoue, Yasuo, 4,835,629, Cl. 360-53.000.
  - Urayama, Yuji; Kondo, Kuniharu; and Nakatsukasa, Takeshi, 4,806,861, Cl. 324-212.000.
  - Yamada, Kazuya; Nishikawa, Kazunori; and Tanaka, Koji, 4,811,370, Cl. 377-54.000.
  - Yamada, Kazuya; Nishikawa, Kazunori; Tanaka, Koji; and Yamada, Yasuhiro, 4,868,827, Cl. 371-37.500.
  - Yamada, Yasuhiro; Ueno, Shoji; and Yoshida, Shiro, 4,839,755, Cl. 371-38.000.
  - Yamasaki, Hidetoshi; and Murata, Masae, 4,800,554, Cl. 369-291.000.
  - Yoshida, Satoru; and Kanada, Sadafumi, 4,851,899, Cl. 358-42.000.
- Victor Pastushin: *See—*
  - Kendall, James W., 4,826,372, Cl. 411-43.000.
- Victor, Richard A.; and Lockett, Michael J., to Union Carbide Corporation. Double column air separation process with hybrid upper column. 4,838,913, 6-13-89, Cl. 62-22.000.
- Victorinox AG: *See—*
  - Elsener, Carl, 4,837,932, Cl. 30-161.000.
- Victorovich, Grigori S.; Diaz, Carlos M.; O'Neill, Charles E.; Bel James A. E.; and Timberg, Lloyd M., to Inco Limited. Copper smelting combined with slag cleaning. 4,802,916, 2-7-89, Cl. 75-24.000.
- Victorovich, Grigori S.; Diaz, Carlos M.; and O'Neill, Charles E., to Inco Limited. Copper smelting with calcareous flux. 4,80 2-7-89, Cl. 75-26.000.
- Victorovich, Grigori S.; and O'Neill, Charles E., to Inco Limited. Process for reduction smelting of materials containing base metals 4,857,104, 8-15-89, Cl. 75-21.000.
- Victory Engineering Company: *See—*
  - Mascuch, Frank; and Winter, Arthur, 4,796,637, Cl. 128-658.000.
  - Winter, Arthur, 4,826,487, Cl. 604-175.000.
- Victory Equipment (1983) Limited: *See—*
  - Dyken, Ray, 4,878,545, Cl. 172-776.000.
- Vida, Miklos: *See—*
  - Szekely, Lajos; Hamori, Attila; Vida, Miklos; and Kunos, Karoly, 4,832,078, Cl. 137-553.000.
- Vidakovits, Lajos J., to Raychem Corporation. Heat recoverable termination device. 4,806,402, 2-21-89, Cl. 428-35.10
- Vidal, Andre: *See—*
  - Chautemps, Jacques; and Vidal, Andre, 4,881,249, Cl. 377-40.000.
- Vidal, Antonio: *See—*
  - Corbin, David R.; Kumpinsky, Enio; and Vidal, Antonio, 4,835,319, Cl. 568-322.000.
  - Ford, Thomas M.; Kumpinsky, Enio; and Vidal, Antonio, 4,827,041, Cl. 568-322.000.
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- Video Graphic Styling, Inc.: *See—*
  - Hicks, T. Lawrence; Givens, Guy M.; Brinton, Robert J.; and Grundhauser, Donald J., 4,872,056, Cl. 358-183.000.
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  - Humphrey, Theodore J., 4,797,633, Cl. 330-297.000.
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  - Baudry, Jacques; and Proudhon, Gerard, 4,812,706, Cl. 313-414.000.
  - Canevazzi, Giuliano; and Spina, Paul, 4,887,988, Cl. 445-37.000.
  - Cote, Daniel, 4,846,748, Cl. 445-63.000.
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  - Dumesnil, Alain; and Perreaut, Jean-Marc, 4,839,568, Cl. 315-368.000.
  - Ferragni, Clemente; and Miccinatti, Enzo, 4,795,392, Cl. 445-43.000.
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  - Goubert, Jean C., 4,813,901, Cl. 445-67.000.
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  - Arway, George, 4,845,512, Cl. 346-1.100.
  - Loria, Adrian; and Aguilar, Josephine, 4,880,465, Cl. 106-20.000.
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  - Bradt, L. Jack; Brown, Robert L.; Fogt, Stephen; Laroy, Ron; Lewis, Allen R.; and Love, James S., 4,814,592, Cl. 235-381.000.
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  - Pathak, Jagdish; Douglas, Stephen M.; Kurkowski, Hal; and Vider, Dov-Ami, 4,851,720, Cl. 307-530.000.
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  - Davis, Paul R., 4,801,789, Cl. 235-472.000.
- Vidican, George; Bogovican, Dragon; Herrera, Victor; and Wiersing, Jeffrey, to United Technologies Automotive, Inc. Modularly constructed vehicle control stalk with interchangeable parts and switch assembly. 4,849,585, 7-18-89, Cl. 200-61.540.
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  - Cawley, Scott A.; and Vidler, Malcolm E., 4,878,596, Cl. 220-331.000.
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- Vidovic, Gerda. Toothbrush. 4,886,389, 12-12-89, Cl. 401-191.000.
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  - [illegible], Antonio; Carro-de-la-Fuente, Guillermo; and Ruiz-Ontiveros, Saul-Roman, 4,801,321, Cl. 65-90.000.
- Vidusek, David A.; Legenza, Michael; and Vincent, Jeffery L., to Shipley Company Inc. Positive acting bilayer photoresist development. 4,806,453, 2-21-89, Cl. 430-312.000.
- Vidwans, Mohan P.; and Ino, Kenji, to Hoover Universal, Inc. Head restraint guide assembly. 4,854,642, 8-8-89, Cl. 297-410.000.
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- Viehrig, Wolfgang, to Agfa-Gevaert Aktiengesellschaft. Wet processing arrangement for photosensitive material. 4,842,179, 6-27-89, Cl. 226-108.000.
- Viehweg, Clark M.: *See—*
  - Nichols, John L.; Wang, David; Kirkpatrick, Edward; Viehweg, Clark M.; Morton, Edwin S.; and Hua, Van T., 4,860,112, Cl. 358-400.000.
- Viehweg, Holger, to Henkel Kommanditgesellschaft auf Aktien. Process for the preparation of exocellular biopolymers. 4,871,665, 10-3-89, Cl. 135-104.000
- Viehweger, Rolf: *See—*
  - Jabrik, Julius; Sticken, Gerhard; and Viehweger, Rolf, 4,870,220, Cl. 570-234.000.
- Vieillard, Didier. Method for measuring the coagulation of blood plasma. 4,879,432, 11-7-89, Cl. 436-69.000.
- Vieilly, Rene: *See—*
  - Perez, Gerard; and Vieilly, Rene, 4,818,456, Cl. 264-103.000.
- Viellet, Guy, to Societe Industrielle d'Electro-Metallurgie. Device for releasably clamping a cutting insert on a tool-holder. 4,869,624, 9-26-89, Cl. 407-104.000.
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  - Bouyssi, Jean-Francois; Massard, Thierry; and Vienney, Jean, 4,809,690, Cl. 128-157.000.
- Vierboom, Peter: *See—*
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- Vierhufe, Harry: *See—*
  - Neef, Guenter; and Vierhufe, Harry, 4,843,157, Cl. 540-76.000.
- Vierkotter, Manfred: *See—*
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- Viers, Tamela A.: *See—*
  - Pike, Charles O.; and Viers, Tamela A., 4,810,745, Cl. 524-516.000.
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- Viess, Walter: *See—*
  - Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.
- Viesturs, Eric, to Connecticut Artcraft Corp. Instrument for measuring pressure. 4,794,935, 1-3-89, Cl. 128-774.000.
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  - Hager, Juergen; Vieth, Walter; and Manderla, Werner, 4,798,114, Cl. 83-522.000.
- Vietrogoski, Charles J.; Coker, Guy C.; and Obarowski, Richard, to General Foods Corporation. Apparatus and method for making bread crumbs. 4,833,959, 5-30-89, Cl. 83-404.200.
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  - Baer, John S.; and Vietti, Michael A., 4,888,986, Cl. 73-188.000.
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  - Liudzius, Valerie A.; Weisner, Ralph M.; Kamiharako, Takashi; and Uramoto, Iwami, 4,872,052, Cl. 358-106.000.
- View-Master Ideal Group, Inc.: *See—*
  - DeSmet, Eric, 4,884,974, Cl. 434-317.000.
- Vifian, Hugo: *See—*
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- Vigander, Svein: *See—*
  - Schohl, Gerald A.; and Vigander, Svein, 4,878,460, Cl. 73-19.000.
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- Vigano, Luigi: *See—*
  - Gazzaniga, Annibale; Gianesello, Valter; Stroppolo, Federico; and Vigano, Luigi, 4,834,966, Cl. 424-43.000.
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- Vigder, Robert B.: *See—*
  - O'Connor, Barry J., and Vigder, Robert B., 4,848,204, Cl. 83-659.000.
- Viger, Philippe, to Forget, Francois. Cardboard building structure and method. 4,827,690, 5-9-89, Cl. 52-782.000.
- Vigil, Daniel R.: *See—*
  - Volz, Le Roy A.; and Vigil, Daniel R., 4,843,288, Cl. 318-599.000.
- Vigilia, Larry P. Device and method for assisting in artificial respiration. 4,881,540, 11-21-89, Cl. 128-202.280.
- Vigna, Bernardino, deceased; by Saccinni ved. Vigna, Luisa, heir; by Vigna in Greguanin, Stefania, heir; by Vigna in Chiesa, Daniela, heir;

and Buzzetti, Michelle, to Saccinni ved. Vigna, Luisa. Device for connecting electrical cables. 4,834,671, 5-30-89, Cl. 439-416.000.
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Vignale, Grace M. Towel bar shelf. 4,827,849, 5-9-89, Cl. 108-29.000.
Vignaud, Jean-Claude: *See—*
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Vignoli, Guido, to AMP Incorporated. Electrical connector. 4,830,625, 5-16-89, Cl. 439-404.000.
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Vigo, Tyrone L.; Frost, Cynthia M.; Bruno, Joseph S.; and Danna, Gary F., to United States of America, Agriculture. Temperature adaptable textile fibers and method of preparing same. 4,851,291, 7-25-89, Cl. 428-393.000.
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Vigoro Industries, Inc.: *See—*
Neal, Michael G.; and Junge, David, 4,863,277, Cl. 366-137.000.
Vigouret, Jean-Marie, to Sandoz Ltd. Use of dibenz(CD,F)indoles. 4,795,759, 1-3-89, Cl. 514-429.000.
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Vigyan Research Associates, Inc.: *See—*
Allen, Robert J., 4,820,914, Cl. 250-207.000.
Pamadi, Bandu N.; and Taylor, Lawrence W., Jr., 4,867,397, Cl. 296-180.100.
Viherkoski, Esa. Laser head. 4,852,115, 7-25-89, Cl. 372-92.000.
Viio, Matti. Device for detachably connecting objects to an article of clothing. 4,809,894, 3-7-89, Cl. 224-248.000.
Viirto, Jarmo: *See—*
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Gerety, Eugene P.; and Vij, Jitender K., 4,821,180, Cl. 364-200.000.
Vijay, Tumkur R.; and Mannen, Bryce L., to FMC Corporation. Tire changer safety post. 4,840,215, 6-20-89, Cl. 157-1.000.
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Vilasi, Joseph A. Cuffless adjustable endotracheal tube. 4,827,92 5-9-89, Cl. 128-207.140.
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Vilella, Antonio R., to Daniel Aguilo Panisello S.A. Corner construction of stackable cardboard box. 4,799,620, 1-24-89, Cl. 229-191.000.
Viles, Joseph M.; and Hart, Paul V. Liver assist device employing transformed cell lines. 4,853,324, 8-1-89, Cl. 435-2.000.
Viles, Robert F., to Fosroc International Limited. Agglomeration of coal fines. 4,802,890, 2-7-89, Cl. 44-21.000.
Viles, Robert F., to Fosroc International Limited. Cementitious composition. 4,875,937, 10-24-89, Cl. 106-104.000.
Vilhardt, Hans, to Ferring Service Center, N.V. Method and apparatus useful for delivering medicinal compositions into the bladder and urinary tract. 4,871,542, 10-3-89, Cl. 424-423.000.
Viljanmaa, Leena. Apparatus for tentering hides. 4,802,348, 2-7-89, Cl. 69-33.000.
Villa, Ercole, to Societa Italiana Catene Calibrate Regina S.p.A. Flapping-preventing runner for a pre-timed distribution assembly for internal combustion engines. 4,850,314, 7-25-89, Cl. 123-90.310.
Villa, Ezio; and Biazzi, Giuseppe, to Alfa Lancia Industriale S.p.A. Movable cover device for an automobile lock. 4,881,391, 11-21- Cl. 70-455.000.
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Villa, Flavio; and Siepe, Giovanni, to SGS Microelecttronica S.p.A. Power transistor with improved resistance to direct secondary breakdown. 4,886,982, 12-12-89, Cl. 307-254.000.
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Villard, Francois; and Barriquand, Bernard, to Barriquand. Installation for treating textile materials on material carriers by means of a fluid. 4,825,668, 5-2-89, Cl. 68-189.000.

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Villaveces, James W. Device for aiding in preparation of intravenous therapy. 4,852,844, 8-1-89, Cl. 248-314.000.
Villavicencio, Eduardo J., to Process Evaluation and Development Corporation. Process for making a pulp from bamboo. 4,857,145, 8-15-89, Cl. 162-19.000.
Villavicencio, Eduardo J.; and Gomez-Estevez, Camilo, to Process Evaluation and Development Corporation. *Crotalaria juncea* paper pulps. 4,889,591, 12-26-89, Cl. 162-20.000.
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Page, Philip R.; and Villax, Ivan, 4,877,559, Cl. 552-204.000.
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Mauleon, Jean-Louis; Ville, Francois; and Sigaud, Jean-Bernard, 4,818,372, Cl. 208-113.000.
Mauleon, Jean-Louis; Ville, Francois; and Mengus, Charles, 4,854,180, Cl. 73-863.860.
Villedieu, Eric: *See—*
Clement, Gilles; Detriche, Jean-Marie; and Villedieu, Eric, 4,815,319, Cl. 73-493.000.
Villela, Gerard: *See—*
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Villemot, Jean-Pierre: *See—*
Karcher, Gilles; Amor, Max; Niddam, Roger; and Villemot, Jean-Pierre, 4,804,358, Cl. 600-17.000.
Villeneuve, Michel: *See—*
Innus, Andris B.; and Villeneuve, Michel, 4,842,255, Cl. 266-158.000.
Villers, Fredrick: *See—*
Keller, Hans J.; and Villers, Fredrick, 4,868,390, Cl. 250-338.300.
Villez, Yves, to Peaudouce. Diaper with elastic on outer cover. 4,850,989, 7-25-89, Cl. 604-385.200.
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Anderson, Robert C.; Houlihan, William J.; Smith, Howard C.; and Villhauer, Edwin B., 4,845,129, Cl. 514-600.000.
Villiers, Gerard, to Souriau & Cie. Device for supporting two connector elements associated respectively with two bases which can be removably assembled together and which are likely to show mutual positioning discrepancies and a connection device using such a support device. 4,842,537, 6-27-89, Cl. 439-246.000.
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Aalto, Erkki; Korhonen, Kaarlo; Pekkinen, Jorma; Sundberg, Esa; Tolmunen, Arvi; Vartiainen, Seppo; and Villikka, Reijo, 4,811,724, Cl. 126-299.00D.
Villoch, Joe D.; Gatto, Claudio U.; and Oprisi, Mike V., to American Vertical Systems. Vertical blind assembly. 4,799,527, 1-24-89, Cl. 160-168.100.
Vilmann, James R.; and Vilmann, Margaret J. D. Stretcher frame assembly. 4,860,814, 8-29-89, Cl. 160-381.000.
Vilmann, Margaret J. D.: *See—*
Vilmann, James R.; and Vilmann, Margaret J. D., 4,860,814, Cl. 160-381.000
Vilmin, Gabriel G. J.: *See—*
Bernier, Jean-Claude; Poix, Paul J. L.; Rehspringer, Jean-Luc; Vilmin, Gabriel G. J.; and Vilminot, Serge, 4,888,314, Cl. 501-119.000.
Vilminore Officine Meccaniche S.p.A.: *See—*
Pezzoli, Luigi, 4,877,064, Cl. 139-435.000.
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Vilmur, Richard J.; Barlo, Joseph J.; Gerson, Ira A.; and Lindsley, Brett L., to Motorola, Inc. Noise suppression system. 4,811,404, 3-7-89, Cl. 381-94.000.
Vilsecker, Kurt: *See—*
Wolf, Rudolf; and Vilsecker, Kurt, 4,796,674, Cl. 139-13.00R.
Vilter Manufacturing Company: *See—*
Nikolaus, John G., 4,856,366, Cl. 74-605.000.
Vilter Manufacturing Corporation: *See—*
Kocher, Erich J., 4,801,125, Cl. 251-367.000.
Kocher, Erich J., 4,865,073, Cl. 137-412.000.
Schintgen, Robert J., 4,887,514, Cl. 92-79.000.
Vilums, Ivars J., to LookingGlass Technology, Inc. Optical imaging system using lenticular tone-plate elements. 4,878,735, 11-7-89, Cl. 350-131.000.
VIM Corporation: *See—*
Allen, Francis; Creasey, James A.; and Brant, Ronald, 4,829,604, Cl. 2-170.000.
Vimarco, Dominic C.: *See—*
Patros, Spiro; and Vimarco, Dominic C., 4,877,131, Cl. 206-317.000.
Vimba, Aivars I.: *See—*
Piper, Heidi A.; Wahl, Errol H.; and Vimba, Aivars I., 4,844,820, Cl. 252-8.600.
Wahl, Errol H.; and Vimba, Aivars I., 4,822,499, Cl. 252-8.800.
Vin, Gaurang R.: *See—*
Dastoli, Frank R.; Senkowski, Bernard Z.; Wagener, Dieter W.; Bogdanffy, George H.; and Vin, Gaurang R., 4,880,581, Cl. 264-39.000.
Vinal, Albert W.; and Thompson, David A., to International Business Machines Corporation. Single track vertical and horizontal recording read/write head design. 4,816,947, 3-28-89, Cl. 360-113.000.
Vinal, Albert W.; and Cunningham, Earl A., to International Business Machines Corp. Differentially sensitive single track read/write head design with improved biasing. 4,860,138, 8-22-89, Cl. 360-113.000.
Vinal, Albert W.: *See—*
Rogers, Lee S.; and Vinal, Albert W., 4,799,115, Cl. 360-66.000.
Vinas, Antonio B., to Laboratrios Vinas, S.A. Zinc salt of fructose-1,6-diphosphate. 4,873,223, 10-10-89, Cl. 514-23.000.
Vinas I Nogueroles, Jose M., to Sermont, S.A. and Construcciones Mecanicas AGMI, S.A. Machine for the production by continuous rolling of a mass of dough for bakery products and buns and rolls. 4,869,661, 9-26-89, Cl. 425-230.000.
Vinas I Nogueroles, Jose M., to Sermont, S.A.; and Construcciones Mecanicas AGMI, S.A. Process for the production by continuous rolling of a mass of dough for bakery products and buns and rolls. 4,877,632, 10-31-89, Cl. 426-502.000.
Vinberg, Anders B.; and Colby, Kenneth W., to Computer Associates International, Inc. Method and system for programmed control of computer generated graphics layout. 4,800,510, 1-24-89, Cl. 364-521.000.
Vinberg, Anders B.; Wright, Thomas J.; and Lehman, Kenneth A., to Computer Associates International, Inc. Method and system for retrieval of stored graphs. 4,852,019, 7-25-89, Cl. 364-521.000.
Vince, David: *See—*
Dowing, Richard; Paull, Jolanta; and Vince, David, 4,879,952, Cl. 102-331.000.
Vince Hagan Company, The: *See—*
Hagan, Vincent de P., 4,854,711, Cl. 366-46.000.
Vince, Paul W., to Inti Corporation. Multiwell assay/culture strip. 4,877,659, 10-31-89, Cl. 428-34.100.
Vincent, Christiane: *See—*
Bouix, Jean; Viala, Jean C.; Vincent, Henri; Vincent, Christiane; Ponthenier, Jean L.; and Dazord, Jacques, 4,859,503, Cl. 427-249.000.
Vincent, Eddy: *See—*
De Keyser, Andre; Naessens, Luc; and Vincent, Eddy, 4,806,159, Cl. 106-111.000.
Vincent, Ernest: *See—*
Knapton, Edward; and Vincent, Ernest, 4,803,476, Cl. 340-750.000.
Vincent, Gary A., to Dow Corning Corporation. Anti-treeing additives. 4,840,983, 6-20-89, Cl. 524-265.000.
Vincent, Gary A.; and Meyer, Daniel F., to Dow Corning Corporation. Silicone water block for electrical cables. 4,845,309, 7-4-89, Cl. 174-23.00C.
Vincent, Harold L.; and Sylvester, Judith M., to Dow Corning Corporation. Method of stabilizing magnetic metal pigment. 4,830,896, 5-16-89, Cl. 427-48.000.
Vincent, Henri: *See—*
Bouix, Jean; Viala, Jean C.; Vincent, Henri; Vincent, Christiane; Ponthenier, Jean L.; and Dazord, Jacques, 4,859,503, Cl. 427-249.000.
Vincent, Jacques: *See—*
Schapira, Joseph; Pecheur, Jacques; Vincent, Jacques; Droniou, Patrick; and Fournials, Jean-Paul, 4,813,999, Cl. 71-105.000.
Vincent, James P., to International Business Machines Corp. Method for providing information security protocols to an electronic calendar. 4,881,179, 11-14-89, Cl. 364-518.000.
Vincent, Jan G.: *See—*
Hellgren, Lars G. I.; Mohr, Viggo; and Vincent, Jan G., 4,801,451, Cl. 424-94.630.
Vincent, Jeffery L.: *See—*
Vidusek, David A.; Legenza, Michael; and Vincent, Jeffery L., 4,806,453, Cl. 430-312.000.
Vincent, Joel, to Orega Electronique et Mecanique. High-voltage connection device, especially for a high-voltage transformer, without lead-out cables and with detachable potentiometer set. 4,810,899, 3-7-89, Cl. 307-147.000.
Vincent, Joel, to Societe Orega Electronique et Mecanique. Split-diode high-voltage transformer. 4,858,098, 8-15-89, Cl. 363-45.000.
Vincent-Jouret S.A.: *See—*
Mirabel, Bruno, 4,819,828, Cl. 220-338.000.
Vincent, Kent D., to Hewlett-Packard Company. Color imager utilizing novel trichromatic beamsplitter and photosensor. 4,806,750, 2-21-89, Cl. 250-226.000.
Vincent, Kent D.; and Myerholtz, Carl A., to Hewlett-Packard Company. Forensic sample tracking system and print station therefor. 4,855,909, 8-8-89, Cl. 364-413.010
Vincent, Kent D.; and Neumann, Hans D., to Hewlett-Packard Company. Color combiner and separator and implementations. 4,870,768, 9-26-89, Cl. 250-226.000.

Vincent, Larry W.: *See—*
Fairey, Colin B.; Frauenglass, Elliott; and Vincent, Larry W., 4,813,714, Cl. 285-94.000.
Vincent Patents Limited: *See—*
Piatti, Sanzio P. V., 4,815,274, Cl. 60-313.000.
Vincent, Ray T. Auto-dump flow controller. 4,882,792, 11-28-89. Cl. 4-323.000.
Vincent, Robert K.: *See—*
Pleitner, Peter K.; and Vincent, Robert K., 4,802,757, Cl. 356-2.000.
Vincent, Steve M.; Behling, Gerald R.; Hood, Thomas G.; and Gomm, William E., to Southwall Technologies. Curved triple-pane glazing. 4,853,264, 8-1-89, Cl. 428-34.000.
Vincent, William R.: *See—*
Zayat, Charles D., Jr.; and Vincent, William R., 4,850,880, Cl. 439-11.000.
Vincent, William W.: *See—*
Shreiner, Thomas A.; Vincent, William W.; and Olsen, Robert W., 4,866,896, Cl. 52-235.000.
Vincenzi, Maurizio: *See—*
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Vinchon, Andre: *See—*
Cagnon, Francois; Di Paola, Denis; Austruy, Georges; and Vinchon, Andre, 4,875,850, Cl. 431-8.000.
Vinci, James N.; and Scharf, Curtis R., to Lubrizol Corporation, The. Compositions containing active sulfur. 4,873,006, 10-10-89, Cl. 252-38.000.
Vinci, James N.: *See—*
Rizvi, S. Q. Abbas; Bryant, Charles P.; Grover, Kent B.; and Vinci, James N., 4,846,985, Cl. 252-47.500.
Vinciguerra, John D., to Nautilus Sports/Medical Industries, Inc. Leg extension exercise machine with leg length and exercise motion range adjustment apparatus. 4,842,271, 6-27-89, Cl. 272-118.000.
Vincinguerra, Mark T. Baby bottle having an air inlet valve. 4,828,126, 5-9-89, Cl. 215-11.500.
Vincze, Arpad D., to Ford Aerospace & Communications Corporation. Linearizer for microwave amplifier. 4,878,030, 10-31-89, Cl. 330-149.000.
Vinczer, Ferenc B.: *See—*
Vinczer, Peter S.; and Vinczer, Ferenc B., 4,873,412, Cl. 219-95.000.
Vinczer, Peter S.; and Vinczer, Ferenc B. Automatic feed apparatus, for fusion welding machine, and electrode holder therefor. 4,873,412, 10-10-89, Cl. 219-95.000.
Vind, Gerald H.: *See—*
Sebastian, Carlos F.; and Vind, Gerald H., 4,864,666, Cl. 4-495.000.
Vindum, Jorgen O. High pressure fluid valve. 4,830,331, 5-16-89, Cl. 251-63.000.
Vine, Raymond W.; Sheffler, Keith D.; and Bevan, Charles E., to United Technologies Corporation. Thermal barrier coating system. 4,861,618, 8-29-89, Cl. 427-34.000.
Vinegar, Harold J.; and Wellington, Scott L., to Shell Oil Company. Sample holder. 4,827,761, 5-9-89, Cl. 73-38.000.
Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., to Shell Oil Company. Apparatus for analysis of failure of material. 4,856,341, 8-15-89, Cl. 73-798.000.
Vinegar, Harold J.; DiFoggio, Rocco; and Tutunjian, Pierre N., to Shell Oil Company. Analytical methods and apparatus for measuring the oil content of sponge core. 4,866,983, 9-19-89, Cl. 73-153.000.
Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., to Shell Oil Company. Method for analysis of failure of material employing imaging. 4,884,455, 12-5-89, Cl. 73-798.000.
Vinegar, Harold J.: *See—*
Van Meurs, Peter; De Rouffignac, Eric P.; Vinegar, Harold J.; and Lucid, Michael F., 4,886,118, Cl. 166-245.000.
Vinet, Francoise: *See—*
Vauchier, Claude; and Vinet, Francoise, 4,795,579, Cl. 252-299.620.
Vingerhoets, Marcel: *See—*
Weber, Karl L.; van Raemdonck, Edwin; Stutzel, Klaus; and Vingerhoets, Marcel, 4,849,517, Cl. 544-219.000.
Vingmed A/S: *See—*
Angelsen, Bjorn A. J.; and Kristoffersen, Kjell, 4,848,354, Cl. 128-660.050.
Vinick, Frederic J.: *See—*
Saccomano, Nicholas A.; and Vinick, Frederic J., 4,861,891, Cl. 546-194.000.
Vinidex Tubemakers Pty. Limited: *See—*
Snelling, Peter J., 4,822,078, Cl. 285-110.000.
Vining, Curtis G., to Vining, Curtis G. Pitcher dispenser. 4,842,149, 6-27-89, Cl. 211-59.200.
Vining, Kenneth: *See—*
Jacobson, Walter E.; Summers, Donald J.; Vining, Kenneth; and Jackson, Frederick E., 4,858,475, Cl. 73-862.540.
Vink, Nicolaas G.: *See—*
Sluyterman, Albertus A. S.; and Vink, Nicolaas G., 4,885,502, Cl. 313-431.000.
Vinn, Charles L.; and Nguyen, Thinh C., to Raytheon Company. Differential amplifier. 4,851,786, 7-25-89, Cl. 330-252.000.
Vinod, Yashavant; V.: *See—*
Fitzgerald, Patrick H.; Rao, Nandakumar S.; Vinod, Yashavant; V.; and Alender, Jeffrey R., 4,883,839, Cl. 525-136.000.
Vinogradarstva I Vinodelia: *See—*
Brekhman, Izrail I.; Bulanov, Alexandr E.; Polozhentseva, Mira I.; Mudzhiri, Levan A.; Alkhazashvili, Gia G.; Kalatozishvili, Elena I.; Dardymov, Igor V.; Bezdetko, Gennady N.; and Khasina, Eleonora I., 4,808,574, Cl. 514-23.000.
Vinot, Bernard; Berrod, Gerard; and Brun, Jean-Louis, to Rhone-Poulenc Specialites Chimiques. Gel-forming aqueous microemulsions for soil stabilization. 4,799,549, 1-24-89, Cl. 166-293.000.
Vinot, Bernard; and Constant, Odile, to Rhone-Poulenc Chimie. Method and apparatus for mining of ocean floors. 4,878,711, 11-7-89, Cl. 299-9.000.
Vinson, Charles S. Decorative fan assembly. 4,858,669, 8-22-89, Cl. 160-134.000.
Vinson, David A. Self destruct video tape cassette. 4,842,217, 6-27-89, Cl. 242-199.000.
Vinson, Edward F.: *See—*
Himes, Ronald E.; and Vinson, Edward F., 4,828,726, Cl. 252-8.551.
Himes, Ronald E.; and Vinson, Edward F., 4,842,073, Cl. 166-294.000.
Vinson, George J., to Ashland Oil, Inc. Method for cleaning exterior surfaces of fire-heated tubes. 4,886,112, 12-12-89. Cl. 165-95.000.
Vinson, Heinz: *See—*
Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,805,465, Cl. 73-862.340.
Gerrath, Karl-Heinz; Strauss, Eberhard; Decker, Hans-Joachim; and Vinson, Heinz, 4,811,238, Cl. 364-508.000.
Vinson, Jean-Paul: *See—*
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Vinson, Jeffrey W.: *See—*
McCall, Mark; and Vinson, Jeffrey W., 4,801,039, Cl. 220-284.000.
Vinson, John W.; Howell, Stephen J.; and Lampes, Elias H., to General Electric Company. Bimodal swirler injector for a gas turbine combustor. 4,854,127, 8-8-89, Cl. 60-742.000.
Vinson, Paul: *See—*
Beinhaur, Ernest L.; Daly, John K.; Kreinberg, Earl R.; and Vinson, Paul, 4,834,673, Cl. 439-422.000.
Glover, Douglas W.; Granitz, Richard F.; Harner, Donald R.; Kreinberg, Earl R.; Vinson, Paul; Wanat, John W.; and Wolowicz, James P., 4,846,699, Cl. 439-64.000.
Vintage Vestments International, Inc.: *See—*
Fuller, David G., 4,867,214, Cl. 428-35.800.
Vinter, Borge; and Tardella, Armand, to Thomson-CSF. Heterojunction and dual channel semiconductor field effect transistor or negative transconductive device. 4,806,998, 2-21-89, Cl. 357-22.000.
Vinter, Jeremy G.: *See—*
Hodson, Harold F.; Batchelor, John F.; Selway, John W. T.; Vinter, Jeremy G.; and Iyer, Ramachanderan, 4,801,593, Cl. 514-307.000.
Vinther, Soren, to Danregn Vindkraft A/S. Wind mill wing with air brake. 4,867,642, 9-19-89, Cl. 416-23.000.
Vinton, Brock J.: *See—*
Canzano, Pasquale S.; and Vinton, Brock J., 4,874,011, Cl. 137-505.130.
Vinton, Clarence S.: *See—*
Rogne, Conrad O.; Franklin, Charles H.; and Vinton, Clarence S., 4,801,020, Cl. 209-538.000.
Vinton, Melvin; and Hawes, Anthony D. M., to Analytical Instruments Limited. Hermetically sealed package tester. 4,803,868, 2-14-89, Cl. 73-49.300.
Vinylex Corporation: *See—*
Gulley, John Q., 4,846,655, Cl. 411-453.000.
Vinzant, Michael B.; Hines, Craig D.; Dickson, Rennie L.; and Hammett, Robert C., to Otis Engineering Corporation. Surface controlled subsurface safety valve. 4,834,183, 5-30-89, Cl. 166-332.000.
Vinzia, Francis D.; and Bonnet, Roger J. A. Contact lens having at least one aspherical, progressive multifocal face, process for the preparation thereof and use of this contact lens as an intra-ocular implant to be substituted for the eye crystalline lens. 4,861,152, 8-29-89, Cl. 351-161.000.
Viode, Andre: *See—*
Comte, Gilles; and Viode, Andre, 4,877,056, Cl. 137-599.000.
Viola, Augusto: *See—*
Cavalli, Luigi; Cucchetto, Mario; Petrini, Guido; and Viola, Augusto, 4,829,042, Cl. 2-316.000.
Viola, Frank J., to Parker-Hannifin Corporation. Power antenna adapter for replacement antenna. 4,825,226, 4-25-89, Cl. 343-901.000.
Viola, Gerald. Submersible tail lights for boat trailers. 4,811,171, 3-7-89, Cl. 362-32.000.
Viola, Gian T.: *See—*
Caporiccio, Gerardo; Viola, Gian T.; and Marchionni, Giuseppe, 4,814,372, Cl. 528-485.000.
Marchionni, Giuseppe; De Patto, Ugo; Strepparola, Ezio; and Viola, Gian T., 4,853,097, Cl. 204-157.600.
Violanto, Michael R., to University of Rochester. Method for making uniformly sized particles from water-insoluble organic compounds. 4,826,689, 5-2-89, Cl. 424-489.000.
Violet Co., Ltd.: *See—*
Watanabe, Ryoji, 4,826,614, Cl. 252-54.000.
Violette, Nelson R. Hose guide. 4,836,432, 6-6-89, Cl. 226-196.000.
Violi, Raymond, to SC Bourgeois. Gas steam oven. 4,823,766, 4-25-89, Cl. 126-20.000.
Viomedics, Inc.: *See—*
Theodoropulos, Spyros, 4,822,878, Cl. 544-91.000.
Viplex Corporation: *See—*
Wilson, Robert H., 4,833,829, Cl. 49-426.000.
Vipont Pharmaceutical, Inc.: *See—*
Boulware, Richard T.; and Schlowsky, George, 4,818,533, Cl. 424-195.100.

Vipraio, Gilbert A.: *See—*
Russell, I. Jon; Carlson, Thomas C.; and Vipraio, Gilbert A., 4,823,807, Cl. 128-773.000.
Viradan A/S: *See—*
Rasmussen, Viggo, 4,832,588, Cl. 425-114.000.
Virag, Sandor: *See—*
Korbonits, Dezso; Minker, Emil; Vargai, Zoltan; Heja, Gergely; Kovacs, Gabor; Gottsegen, Agnes; Antus, Sandor; Virag, Sandor; Bolehovszky, Andrea; Marton, Jeno; Marmarosi nee Kellner, Katalin; Debreczeni, Lorand; Tardos, Laszlo ; Kormoczy, Peter; Gergely, Vera; and Horvath, Gabor, 4,840,949, Cl. 514-234.200.
Viramontes, Jose A. Bracket assembly and plant leaf lifter and protector. 4,873,788, 10-17-89, Cl. 47-1.700.
Virani, Noorali, to Maremont Corporation. Apparatus and method for repairing a MacPherson strut assembly. 4,817,983, 4-4-89, Cl. 280-668.000.
Virant, Allen J.: *See—*
Speelman, David J.; and Virant, Allen J., 4,839,405, Cl. 524-99.000.
Viratec, Inc.: *See—*
Schlein, Allen P., 4,855,064, Cl. 210-764.000.
Virax: *See—*
Aubriot, Claude, 4,845,849, Cl. 30-92.000.
Virbac, a French Corporation: *See—*
Compos, Andre C., 4,823,800, Cl. 128-661.080
Virco Mfg. Corporation: *See—*
Virtue, Julian A., 4,841,877, Cl. 108-36.000.
Virdalm, Carl A. Method for suppressing states of illness in the digestive system. 4,857,327, 8-15-89, Cl. 424-195.100.
Virdee, Nirmal S.; and Baradaran, Hamid R., to Siemens Transmission Systems, Inc. Jitter tolerant circuit for dual rail data. 4,879,730, 11-7-89, Cl. 375-106.000.
Virdee, Nirmal S., to Siemens Transmission Systems, Inc. Digital activity loss detector. 4,887,071, 12-12-89, Cl. 340-659.000.
Virdia, Antonio, to Pentasystem S.p.A. Card or pass in plastic material incorporating an integrated memory circuit. 4,873,427, 10-10-89, Cl. 235-492.000.
Virey, Franck, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process for lubricating a surface such as a mould for the manufacture of a glass object. 4,806,137, 2-21-89, Cl. 65-26.000.
Virey, Franck; and Goumy, Daniel, to L'Air Liquide. Process for manufacturing glass objects. 4,812,156, 3-14-89, Cl. 65-83.000.
Virgilio, Gerald: *See—*
Matthews, James W.; and Virgilio, Gerald, 4,816,259, Cl. 424-463.000.
Virgilio, Joseph A.; Manowitz, Milton; and Heilweil, Emanuel, to Givaudan Corporation. 2-alkyl-3-haloisothiazol-3-thione. 4,841,063, 6-20-89, Cl. 548-213.000.
Virginia Chemicals Inc.: *See—*
Grimsley, S. Allen; Robinson, James C.; and Schroeder, Mark A., 4,863,564, Cl. 162-53.000.
Virginia Commonwealth University: *See—*
Holmes, Harlan K.; Moore, Thomas C., Jr.; and Fantl, Andrew J., 4,873,990, Cl. 128-748.000.
Virginia Mills, Inc.: *See—*
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Virginia Plastics Company: *See—*
Bogese, Stephen B., II; and Hall, Charles E., 4,874,330, Cl. 439-418.000.
Virginia Tech Intellectual Properties, Inc.: *See—*
Carpenter, Grant; Lee, Fred C.; and Chen, Dan Y., 4,851,769, Cl. 324-158.00T.
Claus, Richard O.; and Bennett, K. D., 4,854,706, Cl. 356-345.000.
Ridley, Raymond B.; and Lee, Fred C., 4,866,367, Cl. 323-287.000.
Tabisz, Wojciech A.; and Lee, Fred C., 4,857,822, Cl. 323-282.000.
Tabisz, Wojciech A.; Lee, Fred C.; and Jovanovic, Milan M., 4,860,184, Cl. 363-17.000.
Wilkins, Tracy D.; and Krivan, Howard C., 4,863,852, Cl. 435-7.000.
Wilkins, Tracy D.; and Lyerly, David M., 4,879,218, Cl. 435-7.000.
Virgins, Kenneth L.: *See—*
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  - Francis, Geoffrey V., 4,799,344, Cl. 52-235.000.
- Vision II Technology Inc.: *See—*
  - Rabideau, Brian; Laughlin, William D.; Kissman, Kenneth; and Nicowski, Anthony T., 4,885,771, Cl. 379-354.000.
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  - Wong, Vernon G., 4,853,224, Cl. 424-427.000.
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  - Chiu, Herman S., 4,834,993, Cl. 426-250.000.
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  - Farkonas, John, 4,885,821, Cl. 17-49.000.
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  - Medcalf, Ralph F., Jr.; Visscher, Martha O.; Knochel, John R.; and Dahlgren, Richard M., 4,820,447, Cl. 252-117.000.
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  - Denker, Roger H.; and Visser, Arie, 4,819,199, Cl. 364-807.000.
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  - Visser, Anthony, 4,837,971, Cl. 47-17.000.
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- Vistakon, Inc.: *See—*
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  - Ginsburg, Arthur P.; Evans, David W.; and Blauvelt, Kenneth, 4,800,404, Cl. 351-243.000.
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  - Harshbarger, John H., Jr.; and Harshbarger, John H., III, 4,852,360, Cl. 62-126.000.
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  - Knapton, Edward; and Vincent, Ernest, 4,803,476, Cl. 340-750.000.
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- Visvesvaraya, Hosagrahar C. Modulating method and system for kiln firing. 4,794,870, 1-3-89, Cl. 110-187.000.
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  - Sonntag, Jeffrey L.; Viswanathan, Thayamkulangara R.; and Wilson, William B., 4,818,929, Cl. 323-316.000.
  - Sonntag, Jeffrey L.; and Viswanathan, Thayamkulangara R., 4,849,684, Cl. 323-313.000.
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- Vital Science Corporation: *See—*
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  - Hart, John H., 4,811,337, Cl. 370-85.000.
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  - Charkovsky, Alexandr V.; Dobrova, Natalya B.; Filatov, Vladimir N.; Iofis, Naum A.; Bukatov, Alexandr S.; Danilova, Zinaida P. Kovarsky, Alexandr V.; and Egorov, Jury G., 4,805,424, Cl. 66-194.000.
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- Vitek, Robert F.; Holmes, Craig R.; and Edwards, Laura B., to Westinghouse Electric Corp. Product information network system 4,845,634, 7-4-89, Cl. 364-468.000.
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  - Chung, Shine C.; Tsang, Siu K.; Koo, James T.; Chen, Sho Long S. and Chan, John Y., 4,837,748, Cl. 365-236.000.
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  - Ivanova, Nedyalka S.; Ivanov, Tshavdar B.; Dryanska, Margarita D.; Zabunova, Orhideya B.; Dalleva, Lilyana D.; Nikolova, Milka P.; Berova, Nikolina D.; Rakovska, Rossitza S ; Stoyanova, Maria S.; Mihaylova, Sascha R.; Luna, Milka A.; Nissimou, Jossif N.; Vitkova, Snejana G.; Matov, Vladimir K.; Dimitrov, Boris K.; and Metshkov, Grigor M., 4,806,548, Cl. 514-310.000.
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- Vitous, Charles J., to Bloomfield Industries, Inc. Tea brewer. 4,809,594, 3-7-89, Cl. 99-280.000.
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- Vitrocrisa Cristaleria, S.A.: *See—*
  - Montemayor-Quiroga, Jose A.; Ruiz-Torres, Maximiano F.; and Gomez-Sanchez, Abel, 4,830,653, Cl. 65-260.000.
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  - Grassle, Herbert; Hauers, Manfred; Vits, Dieter; and Weeger, Hans-Peter, 4,805,352, Cl. 57-267.000.
- Vits, Hilmar. Device for floatably guiding webs of material by means of a gaseous or liquid medium. 4,804,125, 2-14-89, Cl. 226-97.000.
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- Vittadini, Giorgio: *See—*
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- Vittadini, Italo: *See—*
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- Vittone, Andrea; and Chiappini, Giuseppe, to Moplefan S.p.A. Reticular structures having improved mechanical characteristics. 4,861,639, 8-29-89, Cl. 428-105.000.
- Vittone, Larry W. Expansion joint for settable compositions. 4,889,445, 12-26-89, Cl. 404-64.000.
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- VIV Engineering Inc.: *See—*
  - Nishiura, Norimasa; and Hishida, Tadashi, 4,826,346, Cl. 403-267.000.
- Vivant, Gilbert, to Rhone-Poulenc Chimie. Microencapsulation by interfacial polyaddition. 4,876,290, 10-24-89, Cl. 521-76.000.
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- Viverito, Angelo: *See—*
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- Vivian, Domenico: *See—*
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- Vivian, Keith. Exercise measuring device. 4,846,459, 7-11-89, Cl. 272-70.000.
- Vivien, Daniel: *See—*
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- Vizi, Szilveszter; Szantay, Csaba; Szabo, Lajos; Toth, Istvan; Kovacs, Gabor; Marton, Jeno ; Harsing, Laszlo; Somogyi, Gyorgy; and Gaal, Jozsef, to Chinoin Gyogyszer es Vegyeszeti Termekek Gyara Rt. Berban derivatives as α_2-adrenergic antagonists. 4,851,416, 7-25-89, Cl. 514-280.000.
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  - Saydek, Michael E.; Flynn, Gordon; Vizulis, Karlis; and Von Reis, Charles, 4,863,696, Cl. 422-101.000.
- Vlach, Frank: *See—*
  - Gupta, Subhash; Siduh, Sanjiv S.; and Vlach, Frank, 4,888,692, Cl. 364-402.000.
- Vlach, Martin: *See—*
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  - Arbeniev, Alexandr S.; Ignatiev, Alexandr A.; Zhilin, Vitaly A.; Melnikov, Alexandr S.; and Tomskikh, Sergei F., 4,872,760, Cl. 366-7.000.
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  - Golander, Carl G.; Jonsson, Erik S.; and Vladkova, Todorka G., 4,840,851, Cl. 428-523.000.
- Vladuchick, William C.: *See—*
  - Morin, John M., Jr.; and Vladuchick, William C., 4,885,362, Cl. 540-364.000.
- Vlaeminck, Freddy F.: *See—*
  - Van Daele, Georges H. P.; Vlaeminck, Freddy F.; and Verdonck, Marc G. C., 4,880,808, Cl. 514-255.000.
- Vlamakis, Maria S., to Borg-Warner Automotive, Inc. Starting clutch for a continuously variable transmission. 4,856,635, 8-15-89, Cl. 192-70.120.
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- Vlasak, Thomas: *See—*
  - Adam, Bruno; Jaecklin, Andre; and Vlasak, Thomas, 4,806,497, Cl. 437-006.000.
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  - Puschel, Petr; Formanek, Zdenek; Krivanek, Vaclav; Pokorny, Antonin; Vlasakova, Anna; and Stuchikova, Alena, 4,879,246, Cl. 436-145.000.
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  - Maier, Hans P.; and Vlaykowski, Nikolay, 4,836,583, Cl. 285-336.000.
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- Vliet, Ron: *See—*
  - Barle, Louis; and Vliet, Ron, 4,796,621, Cl. 128-206.230.
- Vlock, David G. Amalgam capsule. 4,863,017, 9-5-89, Cl. 206-219.000.
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  - Chapman, David C.; and Erck, Wesley R., 4,849,313, Cl. 430-5.000.
  - Cuevas, Peter, 4,845,381, Cl. 307-264.000.
  - Kingsley, Christopher, 4,872,103, Cl. 364-153.000.
  - Reese, Edmund A., 4,864,243, Cl. 328-110.000.
  - Wagner, Lawrence F.; Burleson, Wayne P.; and Van Dyke, Korbin S., 4,852,038, Cl. 364-748.500.
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  - Tada, Tetsuo; and Okada, Keisuke, 4,799,009, Cl. 324-158.00P.
- VME Americas Inc.: *See—*
  - Garman, Anthony L.; and Sturtz, Charles R., Jr., 4,815,191, Cl. 29-434.000.
- VMEI Lenin, Quartal Darvenitza: *See—*
  - Butchkov, Dimiter T.; Dragieva, Yovka D.; Nikolov, Zvetan K.; Georgiev, Georgi G.; Slavtcheva-Staikova, Mina S.; and Grozdanova, Ivanka S., 4,822,409, Cl. 75-0.5AA.

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  Kuijpers, Johannes A. M.; van Berkum, Piet; and Huisman, Henk, 4,842,413, Cl. 356-426.000.
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Vo, Howard Q., to Litton Systems, Inc. Temperature compensated high gain FET amplifier. 4,849,710, 7-18-89, Cl. 330-277.000.
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Vocal, Rodolfo S. Well medicine strip. 4,812,305, 3-14-89, Cl. 424-448.000.
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Vockensperger, Hubert; Hieble, Franz; and Gebbhardt, Robert, to Bayern-Chemie Gesellschaft fur flugchemische Antriebe mbH. Ammunition ejection device. 4,805,534, 2-21-89, Cl. 102-489.000.
Vockensperger, Hubert; Hieble, Franz; and Gebhardt, Robert, to Bayern-Chemie Gesellschaft fur flugchemische Antriebe mbH. Device for ejecting containers, in particular, ammunition. 4,807,534, 2-28-89, Cl. 102-489.000.
Vockins, David H. Decking spacer. 4,850,114, 7-25-89, Cl. 33-526.000.
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Vodicska, Miklos; Vajda, Nora; Zagyvai, Peter; Solymosi, Jozsef; Nagy, Lajos G.; Kulcsar, Erno; Takacs, Marta; and Ambrus, Peter, to Budapesti Muszaki Egyetem. Method of and apparatus for segregating radioactive iodine isotopes. 4,806,278, 2-21-89, Cl. 252-631.000.
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  Ams, Felix; and Voegele, Michael, 4,866,526, Cl. 358-98.000.
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  Nuesslein, Hans; Puchta, Rolf; Voelkel, Theodor; and Sung, Eric, 4,851,140, Cl. 252-8.800.
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Voellm, Ernst B., to Siegfried Payer, AG. Method and apparatus for orienting fibres. 4,885,823, 12-12-89, Cl. 19-296.000.
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  Wohner, Gerhard; Voelskow, Hartmut; Prave, Paul; Luck, Erich; and von Rymon Lipinski, Gert-Wolfhard, 4,828,998, Cl. 435-206.000.
  Zeeck, Axel; Breiding-Mack, Sabine; Grabley, Susanne; Voelskow, Hartmut; and Seibert, Gerhard, 4,861,775, Cl. 514-229.800.
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Voelz, Fred L.: *See—*
  Boekhaus, Kenneth L.; and Voelz, Fred L., 4,884,530, Cl. 123-1.00A.
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  Klank, Otto; Schroder, Ernst; and Voessing, Walter, 4,821,260, Cl. 370-77.000.
Voest-Alpine Aktiengesellschaft: *See—*
  Barnthaler, Franz; and Rutkowski, Krzysztof, 4,878,714, Cl. 299-67.000.
  Duhrkoop, Jens, 4,853,541, Cl. 250-347.000.
  Duhrkoop, Jens, 4,878,761, Cl. 374-124.000.
  Durchschlag, Gerald; and Lang, Alfred, 4,860,978, Cl. 246-448.000.
  Ehrenfeldner, Richard; and Wagner, Dieter, 4,880,489, Cl. 156-345.000.
  Haider, Gottfried, 4,840,310, Cl. 239-533.400.
  Hauk, Rolf; Papst, Gero; Langner, Klaus; Nagl, Michael; Kepplinger, Werner; and Seirlehner, Leopold, 4,805,880, Cl. 266-87.000.
  Kogler, Peter; Scheiber, Berthold; Martin, Wulf; and Wrulich, Herwig, 4,805,963, Cl. 299-33.000.
  Kolleth, Horst; and Wieczorek, Andreas, 4,805,756, Cl. 198-314.000.
  Papst, Gero; and Nagl, Michael, 4,874,037, Cl. 165-47.000.
  Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger, Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,804,408, Cl. 75-38.000.
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  Pusch, Hermann; Zeller, Siegfried; Millionis, Konstantin; and Kresl, Hans, 4,889,323, Cl. 266-142.000.
  Standler, Gerhard; Zeller, Siegfried; Milionis, Konstantin; and Zeller, Rudolf, 4,822,411, Cl. 75-35.000.
  Urschitz, Ernst, 4,812,081, Cl. 405-296.000.
  Vuletic, Bogdan, 4,850,574, Cl. 266-146.000.
  Weber, Alfred; Aglas, Johann; and Hochgatterer, Franz, 4,836,510, Cl. 266-142.000.
  Wrulich, Herwig; Weissensteiner, Hubert; and Bruns, Bernward, 4,884,848, Cl. 299-73.000.
  Zajicek, Ernst; Riegler, Ernst; and Muhlbauer, Johann, 4,841,542, Cl. 373-73.000.
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Voest-Alpine-Friedmann Gesellschaft M.B.H.: *See—*
  Kronberger, Maximilian; and Till, Edwin, 4,819,871, Cl. 239-533.300.
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  Zitz, Alfred; and Brandl, Erich, 4,875,738, Cl. 299-80.000.
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Voeten, Hendrik, deceased, and Jacobus De Haan, Friedrich, administrator, to U.S. Philips Corporation. Electronic component without leads, solid electrolytic caracitor and method of manufacturing same 4,831,490, 5-16-89, Cl. 361-523.000.
Vofsi, David: *See—*
  Daren, Stephen L. J.; Vofsi, David; and Peled, Michael, 4,835,326, Cl. 570-105.000.
Vogan, Dennis J., to W. R. Grace & Co. Easy-open flexible pouch and apparatus and method for making same. 4,808,010, 2-28-89, Cl. 383-107.000.
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  Kiang, Joseph K.; Tsou, Patrick K. C.; and Vogdes, Christine E., 4,853,164, Cl. 264-22.000.
Vogel, Arnold: *See—*
  Gadient, Fulvio; and Vogel, Arnold, 4,855,288, Cl. 514-45.000.
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., to Western Atlas International, Inc. Method for monitoring the goodness of the cement bond to a borehole casing. 4,809,237, 2-28-89, Cl. 367-35.000.
Vogel, Charles B.; Davis, Mike; Guy, James O.; and Smith, John R. E., to Western Atlas International, Inc. Transverse wave logger 4,834,209, 5-30-89, Cl. 181-105.000.
Vogel, David C.: *See—*
  Krishnamurthy, Sundaram; Johnston, Brian H.; Kilminster, Kenneth N.; Vogel, David C.; and Buckland, Paul R., 4,853,31 Cl. 430-387.000.
Vogel, Ferdinand L., to Intercal Company. Bearings and other support members made of intercalated graphite. 4,798,771, 1-17-89, Cl. 428-564.000.
Vogel, Ferdinand L. Swing sail boat. 4,799,443, 1-24-89, Cl. 114-39.100.
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Vogel, Frank D., II. Backboard for dual occupancy bed. 4,860,39 8-29-89, Cl. 5-446.000.
Vogel, Friedrich: *See—*
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  Goertz, Hans-Helmut; Oftring, Alfred; and Vogel, Friedrich, 4,859,756, Cl. 526-263.000.
Vogel, Georg: *See—*
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Vogel, Gregory G., to Hewlett-Packard Company. Sealed housing system for modular type connectors. 4,828,509, 5-9-89, Cl. 439-278.000.
Vogel, Hans-Henning; Rath, Hans P.; Oppenlaender, Knut; and Gouretis, Charalampos, to BASF Aktiengesellschaft. Fuels containing small amounts of alkoxylates and polycarboximides. 4,844,714, 7-4-89, Cl. 44-63.000.
Vogel, Hans-Henning: *See—*
  Martischius, Franz-Dieter; Oppenlaender, Knut; and Vogel, Hans-Henning, 4,871,375, Cl. 44-71.000.
Vogel, Helmut: *See—*
  Wahl, Ludwig; and Vogel, Helmut, 4,885,205, Cl. 428-285.000.
Vogel, Herman: *See—*
  Decko, Gary W.; Peng, Yao; and Vogel, Herman, 4,802,823, Cl. 416-97.00A.
Vogel, Jacobus E., to Shell Oil Company. Process for purifying and cooling a hot gas. 4,874,402, 10-17-89, Cl. 55-22.000.
Vogel, John M.; Manly, Philip J.; and Wasnich, Richard D. Deminster for scanning os calcis for predicting osteoporosis. 4,829,54 5-9-89, Cl. 378-55.000.
Vogel, Kim M.; Weigel, David C.; and Mader, Roger A., to Minnesota Mining and Manufacturing Company. Stabilization of ketazine dyes 4,795,697, 1-3-89, Cl. 430-619.000.

Vogel, Klaus: *See—*
  Albrecht, Peter; Reymann, Wolfgang; Vogel, Klaus; and Werner, Hermann, 4,828,783, Cl. 264-292.000.
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Clar, Edward; Horwege, Claus; Reymann, Wolfgang; Vogel, Klaus; and Wiedenfeld, Walter, 4,847,032, Cl. 264-322.000.
  Albrecht, Peter; Appel, Adolf; Balkau, Karl-Heinz; Horwege, Claus; Reymann, Wolfgang; Rose, Peter; Vogel, Klaus; and Wiedenfeld, Walter, 4,867,929, Cl. 264-521.000.
  Ehnert, Gerd; Ehlers, Manfred; Sauer, Gerhard; and Vogel, Klaus, 4,886,701, Cl. 428-282.000.
Vogel, Lubbertus: *See—*
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Vogel, Manfred: *See—*
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Vogel, Paul: *See—*
  Siegel, Wolfgang; Eck, Reinhold; Heep, Dieter; and Vogel, Paul, 4,823,993, Cl. 222-345.000.
Vogel, Peter; Braun, Hans-Peter; Berger, Dieter; and Werner, Wolfgang, to Boehringer Mannheim GmbH. Device for separating plasma or serum from whole blood and analyzing the same. 4,816,224, 3-28-89, Cl. 422-55.000.
Vogel, Peter: *See—*
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  Speidel, Joachim; and Vogel, Peter, 4,825,285, Cl. 358-133.000.
Vogel, Ralph A., to Essex Group, Inc. In-process wire cleaning. 4,817,645, 4-4-89, Cl. 134-15.000.
Vogel, Ray I. Light switch convertor. 4,842,556, 6-27-89, Cl. 439-638.000.
Vogel, Tikva: *See—*
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  Aviv, Haim; Gorecki, Marian; Levanon, Avigdor; Oppenheim, Amos; Vogel, Tikva; Zeelon, Pinhas E.; and Zeevi, Menachem, 4,871,835, Cl. 530-399.000
Vogel, Ulrich: *See—*
  Acklin, Georg; Aufderhaar, Ernst; Kaupp, Gunter; Raz, Bernhard; and Vogel, Ulrich, 4,847,374, Cl. 540-589.000.
Vogel, Walter; Schmucker, Wolfgang; Leurer, Erwin; and Beel, Francois, to FAG Kugelfischer Georg Schafer (KGaA); and N.V. Van der Eecken & Co. Textile spindle. 4,803,834, 2-14-89, Cl. 57-308.000.
Vogel, Wilhelm: *See—*
  Andrees, Gerhard; Kranzeder, Josef; and Vogel, Wilhelm, 4,886,639, Cl. 419-28.000.
Vogel, Wolfgang M.: *See—*
  Grasso, Albert P.; Vogel, Wolfgang M.; and Taylor, William A., 4,804,591, Cl. 429-12.000.
  Grasso, Albert P.; and Vogel, Wolfgang M., 4,835,072, Cl. 429-12.000.
Vogelbach, W. Daniel. Biomechanical ankle brace. 4,844,058, 7-4-89, Cl. 128-80.00R.
Vogelbusch Gesellschaft m.b.H.: *See—*
  Kominek, Jiri; Zehentgruber, Otto; and Salzbrunn, Wolfgang, 4,868,122, Cl. 435-285.000.
  Salzbrunn, Wolfgang; Steiner, Eva; Wohrer, Wilfried; and Meixner, Otto, 4,876,196, Cl. 435-161.000.
Vogele, Thomas A., to Unicorn Electrical Products. Utility pedestal. 4,873,600, 10-10-89, Cl. 361-426.000.
Vogeler, Helmut: *See—*
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Vogelesang, Laurens B.; Verbruggen, Marcel L. C. E.; and Paalvast, Cornelis G., to Akzo nv. Armour plate composite with ceramic impact layer. 4,836,084, 6-6-89, Cl. 89-36.020.
Vogelgesang, Herbert: *See—*
  Buch, Elmar; Greff, Jurgen; Marzinkewitsch, Rene ; and Vogelgesang, Herbert, 4,807,458, Cl. 72-235.000.
Vogelgesang, Peter J.; Ulseth, John W.; Giorgini, Norman L.; and Edwards, Jathan D., to Minnesota Mining and Manufacturing Company. Optical data card. 4,812,633, 3-14-89, Cl. 235-487.000.
Vogelhut, Paul O.: *See—*
  Albarella, James P.; Noell, J. Oakey; Vogelhut, Paul O.; and Ward, deceased, Frederick E., 4,886,625, Cl. 252-500.000.
Vogelmann, Heinrich-Karl, to Siemens Aktiengesellschaft. Method and apparatus for determining the flux vector of a rotating-field machine. 4,885,519, 12-5-89, Cl. 318-800.000.
Vogelsang, Ulrich, to Blaupunkt Werke GmbH. Compact disc (CD) player and method of compensating for tracking jumps. 4,796,247, 1-3-89, Cl. 369-44.000.
Vogelsberger, Marcel: *See—*
  Meuret, Jean-Pierre; Ducrot, Christian; and Vogelsberger, Marcel, 4,884,018, Cl. 322-8.000.
Vogelsong, Thomas L.: *See—*
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  O'Donnell, Matthew; Engeler, William E.; Vogelsong, Thomas L.; Karr, Steven G.; and Noujaim, Sharbel E., 4,839,652, Cl. 341-122.000.
  Welles, Kenneth B., II; Noujaim, Sharbel E.; Vogelsong, Thomas L.; and Karr, Steven G., 4,796,236, Cl. 367-7.000.
Vogelzang, John H., to Honeywell Limited. Air conditioning system with periodic fan operation. 4,838,482, 6-13-89, Cl. 236-11.000.
Vogen, Kenneth W. Sesamoid bone clamp. 4,813,407, 3-21-89, Cl. 128-92.0VZ.
Voges, Heinz-Werner: *See—*
  Kupper, Friedrich-Wilhelm; Voges, Heinz-Werner; Patzold, Werner; and Schaaf, Richard, 4,859,790, Cl. 560-75.000.
Voges, Kenneth, to Red Bud Industries, Inc. Machine for slitting metal sheet. 4,887,502, 12-19-89, Cl. 83-479.000.
Vogg, Guenter: *See—*
  Amlang, Klaus-Peter; Soller, Jochen; and Vogg, Guenter, 4,864,510, Cl. 364-478.000.
Vogg, Hubert: *See—*
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Vogl, Georg, to U.S. Philips Corporation. Mirror objective and optical arrangement comprising two mirror objectives. 4,867,547, 9-19-89, Cl. 350-444.000.
Vogl, Norbert M.: *See—*
  Bruener, Patrick J.; Harkness, Joseph R.; Vogl, Norbert M.; and Eifert, Glen C., 4,819,593, Cl. 123-192.00B.
Vogl, Otto; and Nir, Zohar, to United States of America, Energy. Process for the preparation of benozotriazoles and their polymers, and 2(2-hydroxy-5-isopropenylphenyl)2H-benzotriazole produced thereby. 4,812,575, 3-14-89, Cl. 548-260.000.
Vogler, Hans-Jurgen: *See—*
  Gerresheim, Manfred; Sommer, Jurgen; Poque, Dionysius J.; and Vogler, Hans-Jurgen, 4,815,512, Cl. 152-209.00R.
Vogler, William H.: *See—*
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Vogt, Charles E.: *See—*
  Bozell, Joseph J.; and Vogt, Charles E., 4,814,489, Cl. 560-104.000.
Vogt, Clifford M.; and Shipp, Peter W., Jr., to Kimberly-Clark Corporation. Melt-blown filter medium. 4,824,451, 4-25-89, Cl. 55-528.000.
Vogt, Corazon R.: *See—*
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Mueller, Eckart, 4,819,598, Cl. 123-399.000.
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Vollm, Ernst, to Siegfried Payer, AG. Method and apparatus for the end alignment of fibers for fiber length measurement. 4,827,781, 5-9-89, Cl. 73-864.410.
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Vollmer, Karl; and Keilpflug, Klaus, to Daimler-Benz Aktiengesellschaft. Control valve for influencing the tire pressure of a vehicle wheel. 4,805,681, 2-21-89, Cl. 152-417.000.
Vollmer, Rolf, to Montanwerke Walter GmbH. Multi-component chucking system, particularly for rotary machine tools, such as drills, boring tools boring mills and the like. 4,799,837, 1-24-89, Cl. 409-232.000.
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Beck, Ernst; Riehlein, Fritz; and Lenard, Peter, 4,858,392, Cl. 51-218.00R.
Vollmerhaus, Ernst: *See—*
Kaindl, Michael; Piepenburg, Werner; and Vollmerhaus, Ernst, 4,801,916, Cl. 338-221.000.
Vollrath, Christopher R.: *See—*
Vollrath, Richard J.; and Vollrath, Christopher R., 4,828,112, Cl. 206-519.000.
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Johnson, Stanley A., Jr., 4,867,504, Cl. 297-3.000.
Vollrath, Johannes; and Lechler, Rolf, to Audi AG. Cross-beam for a motor vehicle body. 4,850,638, 7-25-89, Cl. 296-187.000.

- Vollrath, Richard J.; and Vollrath, Christopher R., to Polar Ware Company. Metal transport pan. 4,828,112, 5-9-89, Cl. 206-519.000.
- Vollstedt, Thomas J.: *See—*
  - Copa, William M.; and Vollstedt, Thomas J., 4,810,386, Cl. 210-616.000.
- Vollum, Charles A.: *See—*
  - Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.
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  - Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.
- Volna, William M., to Micro Component Technology, Inc. Precision alignment device. 4,867,296, 9-19-89, Cl. 198-345.000.
- Volonta, Piero; and Picciriello, Matteo, to Fiat Auto S.p.A. Method for obtaining electrical earth connection device, particularly for vehicles. 4,873,763, 10-17-89, Cl. 29-825.000.
- Volpe, James R.; and Kelley, James L. Unitary disposable chair, formable from fiberboard in one pass with minimal waste, and quickly set up. 4,811,987, 3-14-89, Cl. 297-440.000.
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- Volpe, Joseph J.: *See—*
  - Fuchs, Charles R.; Haessig, David A., Jr.; Heckathorn, David L.; Kass, Jordan S.; Lindsay, Peter; and Volpe, Joseph J., 4,881,800, Cl. 350-500.000.
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  - Boudart, Michel; Oyama, Shigeo T.; and Volpe, Leo, 4,851,206, Cl. 423-409.000.
- Volpert, Thomas R., to Mind Over Matter Games, Inc. Card game puzzle playing method. 4,838,551, 6-13-89, Cl. 273-157.00R.
- Volpert, Thomas R., Jr. Method of playing an alignment game. 4,813,681, 3-21-89, Cl. 273-271.000.
- Volsy, Robert: *See—*
  - Bernard, Georges; Bouvet, Bernard; Jacolin, Richard; Colleoni, Guido; Gaillard, Jacques; and Volsy, Robert, 4,803,319, Cl. 200-147.00A.
- Voltaix, Inc.: *See—*
  - deNeufville, John P.; Rajoria, Dalbir; and Ovshinsky, Stanford R., 4,861,573, Cl. 423-464.000.
- Voltec Corporation: *See—*
  - Kallman, M. Raymond; Mione, Lawrence J.; and Sabol, Peter, 4,829,289, Cl. 340-656.000.
- Volten, Curt V., to Spectra-Physics, Inc. Multiple source and/or sensor coldhead mount. 4,873,843, 10-17-89, Cl. 62-51.100.
- Voltmer, Helmut; Schwenzer, Alfred F.; and Freakes, Anthony, to New Jersey Machine, Inc. Continuous motion pressure sensitive labeling system and method. 4,842,660, 6-27-89, Cl. 156-64.000.
- Voltronics Corporation: *See—*
  - Mittler, Martin A.; and Scowen, Kenneth J., 4,876,627, Cl. 361-293.000.
- Volvo Car B.V.: *See—*
  - Van Oijen, Lambertus J.; and Willems, Fokke, 4,872,328, Cl. 70-237.000.
  - Veenemans, Cornelis; and Goossens, Jan J., 4,829,939, Cl. 123-41.290.
- Volwerk, Johannes J.: *See—*
  - Mrsny, Randall J.; Birrell, G. Bruce; and Volwerk, Johannes J., 4,879,220, Cl. 435-7.000.
- Volz, Hans: *See—*
  - Hoffmann, Horst; Kersten, Peter; Volz, Hans; and Seyfried, Ulrich, 4,884,453, Cl. 73-776.000.
- Volz, Juergen: *See—*
  - Wolf, Rainer; Volz, Juergen; Denkinger, Rainer; Nolte, Volker; and Hussy, Gerd, 4,869,498, Cl. 272-130.000.
- Volz, Le Roy A.; and Vigil, Daniel R., to Rigidyne Corporation. Phase locked motor control system for multiple disk drive units. 4,843,288, 6-27-89, Cl. 318-599.000.
- Volz, Peter, to Alfred Teves GmbH. Anti-lock brake system with variable delivery pump controlled in response to detected position of master cylinder piston and method therefor. 4,826,255, 5-2-89, Cl. 303-10.000.
- Volz, Peter: *See—*
  - Schonlau, Juergen; Volz, Peter; and Harth, Ralf, 4,858,999, Cl. 303-9.630.
- Volz, Wolfgang: *See—*
  - Heinle, Dieter; and Volz, Wolfgang, 4,848,444, Cl. 165-21.000.
- Vom Braucke, Hans; Vom Braucke, Manfred; and Westerwelle, Dieter, to Bielefelder Kuchenmaschinen-und Transportgerate-Fabrik Vom Braucke GmbH. Handled tool suspension device. 4,880,192, 11-14-89, Cl. 248-110.000.
- Vom Braucke, Manfred: *See—*
  - Vom Braucke, Hans; Vom Braucke, Manfred; and Westerwelle, Dieter, 4,880,192, Cl. 248-110.000.
- Von Duprin, Inc.: *See—*
  - Coleman, Michael D., 4,847,950, Cl. 16-363.000.
- Von Roll, AG: *See—*
  - Ferns, Derek, 4,861,186, Cl. 404-25.000.
  - Maier, Konrad, 4,876,916, Cl. 74-567.000.
  - Spiess, Hansruedi; and Galvanetto, Francois, 4,873,795, Cl. 52-20.000.
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  - Feuz, Fritz; and Hora, Ferdinand, 4,794,864, Cl. 104-168.000.
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  - Feuz, Fritz, 4,843,970, Cl. 104-27.000.
  - Rikli, Christian, 4,843,968, Cl. 104-27.000.
- Von Weise Gear Company: *See—*
  - Sinden, Michael W.; and Muller, Alexander, 4,796,152, Cl. 361-192.000.
- von Alfthan, George C.; and Helanniemi, Jorma T., to Outokumpu Oy. Method for drawing samples from material containing solid ingredients. 4,876,902, 10-31-89, Cl. 73-863.830.
- Von Allmen, Martin; and Blatter, Andreas, to Cendres & Metaux, S.A. Method for producing an at least partly amorphous alloy piece. 4,797,166, 1-10-89, Cl. 148-13.100.
- von Allwoerden, Wilhelm; and Maier, Martin, to Kloeckner-Humboldt-Deutz AG. Rotary mower. 4,800,710, 1-31-89, Cl. 56-17.200.
- von Allwoerden, Wilhelm, to Greenland GmbH & Co. KG. Mowing machine. 4,858,418, 8-22-89, Cl. 56-15.500.
- von Arb, Hans-Peter; Durr, Ulrich; Gressly, Andre; and Studer, Franz. Laser with improved cooling system. 4,881,233, 11-14-89, Cl. 372-35.000.
- Vonasek, Jiri, to Markpoint System AB. Valve device for a matrix printer. 4,875,058, 10-17-89, Cl. 346-140.00R.
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  - Higgins, John B.; and von Ballmoos, Roland, 4,832,927, Cl. 423-306.000.
- von Bargen, Kenneth P., to Pacific Scientific Company. Optical instruments for measuring particle sizes. 4,842,406, 6-27-89, Cl. 356-336.000.
- von Benda, Klaus; Gutmann, Guenter; and Hildner, Hans-Joachim, to Deutsche Automobilgesellschaft mbH. Method for the manufacture of catalyst electrodes with structurally connected carrier bodies and suitable catalyst suspensions. 4,867,857, 9-19-89, Cl. 204-290.00R.
- von Blucher, Hasso: *See—*
  - von Blucher, Hubert; von Blucher, Hasso; and de Ruiter, Ernest, 4,843,739, Cl. 36-44.000.
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- von Bonin, Wulf, to Bayer Aktiengesellschaft. Intumescent compositions and the use thereof. 4,857,364, 8-15-89, Cl. 427-255.000.
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  - Kortmann, Wilfried; von Bonin, Wulf; and Reich, Friedrich, 4,833,188, Cl. 524-217.000.
- von Brandt, Achim: *See—*
  - Hammer, Bernard; and von Brandt, Achim, 4,853,779, Cl. 358-133.000.
- Von Brandt, Kim; and Stroud, Robert D., to Storage Technology Corporation. Method for mounting a magnetic head on a suspension arm. 4,866,836, 9-19-89, Cl. 29-603.000.
- Von Bratt, Marmaduke G. Casket liners. 4,854,018, 8-8-89, Cl. 27-19.000.
- von Braunhut, Harold. Bubble making device. 4,808,138, 2-28-89, Cl. 446-16.000.
- von Braunhut, Harold. Word card game. 4,877,255, 10-31-89, Cl. 273-299.000.
- von Broock, Ulrich, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Suspension system for a drive assembly of a helicopter. 4,840,330, 6-20-89, Cl. 244-17.270.
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- von Broock, Ulrich, to Dr. Ing. h.c.F. Porsche Aktiengesellschaft. Elastic bearing for a driving assembly of a motor vehicle. 4,889,207, 12-26-89, Cl. 180-291.000.
- Von Criegern, Rolf; and Weitzel, Ingo, to Siemens Aktiengesellschaft. Specimen mount for secondary ion mass spectrometry and other sensitive particle beam analysis methods and method for the operation thereof. 4,851,672, 7-25-89, Cl. 250-307.000.
- Von Criegern, Rolf; Fazekas, Peter; and Fottner, Johannes, to Siemens Aktiengesellschaft. Method and apparatus for storing measured data from sub-regions of a sputter crater which is generated and analyzed in a secondary ion mass spectrometer. 4,860,225, 8-22-89, Cl. 364-551.010.

- von Daehne, Welf: *See—*
  - Godtfredsen, Wagn O.; and von Daehne, Welf, 4,831,025, Cl. 514-195.000.
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  - Godtfredsen, Wagn O.; and von Daehne, Welf, 4,882,325, Cl. 514-195.000.
  - Hansen, Erik T.; Kran-Nielsen, Mogens P.; and Von Daehne, Welf, 4,847,266, Cl. 514-310.000.
- von Danwitz, Hans-Otto, to Spanset Inter AG. Method of producing an endless sling. 4,843,807, 7-4-89, Cl. 57-201.000.
- von dem Hagen, Tronje, to Dragerwerk Aktiengesellschaft. Gas metering arrangement. 4,838,261, 6-13-89, Cl. 128-205.240.
- Vondenhagen, Heinz-Dieter: *See—*
  - Portugall, Michael; Sterzel, Hans-Josef; Blinne, Gerd; Vondenhagen, Heinz-Dieter; Seiler, Erhard; Schmidt, Hans-Friedrich; and Von Tomkewitsch, Sybille, 4,802,061, Cl. 361-400.000.
- Vonder, David L.; and Reimer, William A., to GTE Communication Systems, Inc. Circuit connector for use with printed wiring board. 4,795,362, 1-3-89, Cl. 439-377.000.
- Vonder, David L.: *See—*
  - Reimer, William A.; and Vonder, David L., 4,863,388, Cl. 439-31.000.
- Vonderau, Werner: *See—*
  - Gerhardy, Reinhard; Holderle, Hans; Wolf, Jurgen; and Vonderau, Werner, 4,861,522, Cl. 261-35.000.
- von der Crone, Jost; Medinger, Bernhard; and Bugnon, Philippe, to Ciba-Geigy Corporation. Novel compositions based on tetrachloroisoindolinone pigments. 4,865,650, 9-12-89, Cl. 106-494.000.
- von der Eltz, Hans-Ulrich, to Hoechst Aktiengesellschaft. Process for dyeing textiles made of polyester fiber/wool blends on jet-dyeing machines. 4,820,312, 4-11-89, Cl. 8-533.000.
- von der Eltz, Hans-Ulrich; and Christ, Wilhelm, to Hoechst Aktiengesellschaft. Method for the removal of fabric samples from HT jet dyeing machines without loss of liquor. 4,862,545, 9-5-89, Cl. 8-149.100.
- von der Eltz, Hans-Ulrich; and Christ, Wilhelm, to Hoechst Aktiengesellschaft. Process of treating textile material in jet dyeing machines and apparatus for performing same. 4,862,546, 9-5-89, Cl. 8-149.100.
- von der Eltz, Hans-Ulrich, to Hoechst Aktiengesellschaft. Process for dyeing textile wovens or knits made of polyester fibers or mixtures thereof with other fibers in jet dyeing machines. 4,884,308, 12-5-89, Cl. 8-149.100.
- von der Eltz, Hans-Ulrich; and Christ, Wilhelm, to Hoechst Aktiengesellschaft. Process for continuous treatment, preferably dyeing, of textile material in rope form. 4,885,814, 12-12-89, Cl. 8-149.100.
- von der Eltz, Hans-Ulrich: *See—*
  - Christ, Wilhelm; and von der Eltz, Hans-Ulrich, 4,829,620, Cl. 8-149.100.
- von der Embse, U. A., to Hughes Aircraft Company. Lock detector for feedback loops. 4,860,321, 8-22-89, Cl. 375-96.000.
- von der Embse, U. A.: *See—*
  - Challoner, A. Dorian; von der Embse, U. A.; Mitchell, Mark P.; Chang, Donald C. D.; Fowell, Richard A.; Huang, Ken Y.; Hayden, Joseph H.; and Allen, Gene E., 4,883,244, Cl. 244-171.000.
- von der Haar-Czogalla, Rita: *See—*
  - Czogalla, Claus-D., 4,876,361, Cl. 549-41.000.
- von der Heide, Johann, to Papst-Motoren GmbH & Co. KG. Brushless three-phase D.C. motor. 4,882,511, 11-21-89, Cl. 310-67.00R.
- von der Heide, Johann: *See—*
  - Elsasser, Dieter; and von der Heide, Johann, 4,843,500, Cl. 360-97.020.
- Von Der Ley, Heinz-Joachim; Schulz, Reiner; and Henchoz, Bernd, to Barmag AG. Proportional action valve with a biased spring unproportionately variable to the load pressure. 4,794,846, 1-3-89, Cl. 91-451.000.
- von der Saal, Wolfgang; Mertens, Alfred; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, to Boehringer Mannheim GmbH. Cardiotonic benzimidazoles. 4,831,032, 5-16-89, Cl. 514-254.000.
- von der Saal, Wolfgang; Friebe, Walter-Gunar; Mertens, Alfred; Muller-Beckmann, Bernd; and Sponer, Gisbert, to Boehringer Mannheim GmbH. Tricyclic benzotriazoles, processes for the preparation thereof and pharmaceutical compositions containing them. 4,835,167, 5-30-89, Cl. 514-359.000.
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- von der Saal, Wolfgang; Holck, Jens-Peter; Mertens, Alfred; Muller-Beckmann, Bernd; and Kling, Lothar, to Boehringer Mannheim GmbH. 5-alkylbenzimidazoles, method of use and pharmaceutical compositions. 4,882,342, 11-21-89, Cl. 514-338.000.
- von der Saal, Wolfgang: *See—*
  - Mertens, Alfred; von der Saal, Wolfgang; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,847,251, Cl. 514-247.000.
  - Mertens, Alfred; von der Saal, Wolfgang; Friebe, Walter-Gunar; Muller-Beckmann, Bernd; and Sponer, Gisbert, 4,851,406, Cl. 514-212.000.
  - Mertens, Alfred; von der Saal, Wolfgang; Berger, Herbert; Muller-Beckmann, Bernd; and Strein, Klaus, 4,874,756, Cl. 514-212.000.
- Von Deylen, Vernon F.: *See—*
  - Minuhin, Vadim B.; and Von Deylen, Vernon F., 4,800,295, Cl. 307-273.000.
  - Minuhin, Vadim B.; and VonDeylen, Vernon F., 4,813,059, Cl. 375-122.000.
  - Minuhin, Vadim B.; and VonDeylen, Vernon F., 4,868,690, Cl. 360-51.000.
  - Minuhin, Vadim B.; Berzon, Evgeny J.; and VonDeylen, Vernon F., 4,875,108, Cl. 360-51.000.
- von Dohren, Hans-Hagen: *See—*
  - Hildenbrand, Karlheinz; von Dohren, Hans-Hagen; Perrey, Hermann; Frank, Georg; and Dhein, Rolf, 4,824,639, Cl. 422-56.000.
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- Voneiff, John. Method and apparatus for cleaning containers. 4,883,542, 11-28-89, Cl. 134-21.000.
- von Entress-Fursteneck, Wolfgang, to Diehl GmbH & Co. Artillery projectile containing submunitions. 4,807,533, 2-28-89, Cl. 102-489.000.
- von Entress-Fursteneck, Wolfgang; Schleicher, Ulrich; and Konik, Bernd, to Diehl GmbH & Co. Casing for an explosive charge. 4,809,613, 3-7-89, Cl. 102-473.000.
- von Flue, Peter: *See—*
  - Bereiter, Rolf; and von Flue, Peter, 4,818,163, Cl. 411-44.000.
  - Gassner, Theo; and Von Flue, Peter, 4,809,898, Cl. 227-8.000.
- von Gizycki, Ulrich: *See—*
  - Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.
  - Sirinyan, Kirkor; Wolf, Gerhard D.; von Gizycki, Ulrich; and Merten, Rudolf, 4,830,714, Cl. 204-24.000.
  - Wolf, Gerhard D.; Sirinyan, Kirkor; von Gizycki, Ulrich; and Merten, Rudolf, 4,847,139, Cl. 428-209.000.
- Von Gruenberg, Hubertus; and Stoerzel, Karl, to Alfred Teves GmbH. Hydraulically actuated wheel brake. 4,867,280, 9-19-89, Cl. 188-72.400.
- von Gruenberg, Hubertus: *See—*
  - Kircher, Dieter; von Gruenberg, Hubertus; and Blum, Klaus-Dieter, 4,838,622, Cl. 303-115.000.
- Von Gunten, Marc K.: *See—*
  - DeBell, Gary W.; Wright, David L.; Ruddock, Kenneth A.; Petersen, Alan B.; Carlson, Lee R.; and Von Gunten, Marc K., 4,809,293, Cl. 372-98.000.
- Von Guttenberg, Florenz: *See—*
  - Biehl, Wilfried; Hendel, Horst; and Von Guttenberg, Florenz, 4,870,378, Cl. 335-128.000.
- von Haas, Rainer, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Coupling for the connection of a tool head and a tool holer in a machine tool. 4,824,274, 4-25-89, Cl. 403-24.000.
- von Haas, Rainer, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Automatic tool changing device. 4,860,429, 8-29-89, Cl. 29-568.000.
- Von Haas, Rainer; and Tack, Hans, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Tool changing device with tool detection cleaning. 4,864,714, 9-12-89, Cl. 29-568.000.
- Von Haas, Rainer, to Fried. Krupp Gesellschaft mit beschrankter Haftung. Tool arrangement having angular position fixing means. 4,879,930, 11-14-89, Cl. 82-158.000.
- von Harten, Gunter: *See—*
  - Kutz, Johannes; and von Harten, Gunter, 4,878,365, Cl. 68-9.000.
- von Hasselbach, Christoph: *See—*
  - Witzel, Ulrich; and von Hasselbach, Christoph, 4,865,607, Cl. 623-20.000.
- Von Hayn, Holger; and Maas, Joachim, to Alfred Teves GmbH. Brake slip-controlled hydraulic brake system for vehicles. 4,826,256, 5-2-89, Cl. 303-61.000.
- Von Heck, Robert. Wheel immobilizer-chock w/integral latch and alarm. 4,833,442, 5-23-89, Cl. 340-427.000.
- von Helmolt, Clemens, to Siemens Aktiengesellschaft. Network formed as an optical homodyne or heterodyne receiver circuit. 4,868,897, 9-19-89, Cl. 455-619.000.
- von Herrmann, Pieter J.: *See—*
  - Roll, Kenneth A.; Davenport, John M.; and von Herrmann, Pieter J., 4,857,810, Cl. 315-194.000.
- Von Holdt, John W. Flex gate. 4,808,106, 2-28-89, Cl. 425-547.000.
- Von Holdt, John W. Two stage mold centering system. 4,856,977, 8-15-89, Cl. 425-468.000.
- Von Holdt, John W. Safety lift lock with internal member. 4,881,715, 11-21-89, Cl. 249-165.000.
- von Holst, Johan P.: *See—*
  - Eriksson, Erik G.; Oskarsson, Rolf G.; and von Holst, Johan P., 4,849,300, Cl. 428-558.000.
- von Ingelheim, Peter G. Assembly for producing a propulsive force. 4,843,814, 7-4-89, Cl. 60-200.100.
- Von Jordan, Wenzel; Draf, Rolf; Grone, Dieter; and Sauer, Harald, to Metallgesellschaft Aktiengesellschaft. Continuous process for the dry slaking of lime. 4,877,598, 10-31-89, Cl. 423-640.000.
- Vonk, Willem C.; and van Gooswilligen, Gerrit, to Shell Oil Company. Bituminous composition and use thereof as cold-applicable self-adhesive compound. 4,876,130, 10-24-89, Cl. 428-40.000.
- Von Kohorn, Henry. Illuminating system. 4,858,085, 8-15-89, Cl. 362-122.000.
- Von Kohorn, Henry, to Von Kohorn, Henry. System for merchandising and the evaluation of responses to broadcast transmissions. 4,876,592, 10-24-89, Cl. 358-84.000.
- Von Kopp, Guenter, to Auergesellschaft GmbH. Respirator hood. 4,811,728, 3-14-89, Cl. 128-201.250.
- von Korff, Peter: *See—*
  - Dreher, Gunther; and von Korff, Peter, 4,866,622, Cl. 364-431.040.

von Kraewel, Hasso R., to Digital Equipment Corporation. Vertical PWB supply system. 4,804,434, 2-14-89, Cl. 156-364.000.
von Laar, Klaus; Sackenreuter, Hans; and Heberlein, Werner, to Diehl GmbH & Co. Armored vehicle with top-mounted barreled weapon. 4,852,461, 8-1-89, Cl. 89-46.000.
von Laar, Klaus: *See—*
Stadler, Hansjorg; and von Laar, Klaus, 4,867,061, Cl. 102-307.000.
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Von Langsdorf, Fritz: *See—*
Barth, Gunther; and Von Langsdorf, Fritz, 4,834,575, Cl. 404-39.000.
Von Loesch, Hans; and Riehle, Harald. Display device for illustrating color mixtures. 4,801,267, 1-31-89, Cl. 434-104.000.
von Loh, Knut: *See—*
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Von Maessenhausen, Walter; Czikkely, Vilmos; and Jung, Johann, to BASF Aktiengesellschaft. Use of ammonium syngenite as a slow-acting nitrogen fertilizer. 4,883,530, 11-28-89, Cl. 71-36.000.
von Meyer, Robert F. Pneumatic sponge mop. 4,817,228, 4-4-89, Cl. 15-119.00A.
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von Nordenskjold, Reinhart. Biological purification of waste waters. 4,797,212, 1-10-89, Cl. 210-614.000.
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Von Philp, Robert, Sr. Reversible, stuffed doll. 4,842,565, 6-27-89, Cl. 446-321.000.
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von Pragenau, George L., to United States of America, National Aeronautics and Space Administration. Twist seal for high-pressure vessels such as space shuttle rocket motors. 4,848,778, 7-18-89, Cl. 277-236.000.
Von Raben, Klaus U.; and Ludwig, Rupert, to Siemens Aktiengesellschaft. Apparatus for measuring bonding parameters. 4,806,193, 2-21-89, Cl. 156-378.000.
von Raben, Klaus-Ulrich, to Siemens Aktiengesellschaft. Monitoring bond parameters during the bonding process. 4,854,494, 8-8-89, Cl. 228-102.000.
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von Rymon Lipinski, Gert-Wolfhard: *See—*
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von Scarpatetti, Diether, to Daimler-Benz Aktiengesellschaft. Track guidable omnibus. 4,869,176, 9-26-89, Cl. 104-247.000.
Von Schalscha, Craig. Appliance mounting device. 4,854,538, 8-8-89, Cl. 248-346.000.
Von Schlemmer, Hans. Pocketed headwear. 4,827,384, 5-2-89, Cl. 362-106.000.
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von Schuckmann, Alfred, to Franz Pohl Metall- und Kunststoffwarenfabrik GmbH. Closure cap for infusion and transfusion bottles. 4,844,267, 7-4-89, Cl. 215-253.000.
von Schuckmann, Alfred, to Mega Plast product- u. Verpackungsentwicklung Marketing Gesellschaft mit beschrankter Haftung & Co. Dispenser for paste compositions. 4,846,372, 7-11-89, Cl. 222-136.000.
von Seebach, Michael: *See—*
Durr, Manfred; Unland, Georg; Driemeier, Gunter; Krutzner, Karl; Schmits, Heinz-Herbert; von Seebach, Michael; Heinemann, Otto; Rother, Wolfgang; and Dreyer, Dieter, 4,861,265, Cl. 432-103.000.
Von Sloun, Peter H., to Honeywell Inc. Manual activator for reserve batteries. 4,803,924, 2-14-89, Cl. 102-293.000.
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von Sprecher, Georg; Frostl, Wolfgang; and Zust, Armin, to Ciba-Geigy Corporation. Hydropyridine derivatives. 4,833,169, 5-23-89, Cl. 514-530.000.
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von Stein, Gunther, to Veit GmbH & Co. Condensate separator. 4,864,971, 9-12-89, Cl. 122-4.00R.
Von Stetten, Susan M.: *See—*
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Portugall, Michael; Sterzel, Hans-Josef; Blinne, Gerd; Vondenhagen, Heinz-Dieter; Seiler, Erhard; Schmidt, Hans-Friedrich; and Von Tomkewitsch, Sybille, 4,802,061, Cl. 361-400.000.
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Vonvoigtlander, Philip F.; and Szmuszkovicz, Jacob, to Upjohn Company, The. Cis-N-(2-aminocycloaliphatic)benzamide anti-convulsants. 4,801,604, 1-31-89, Cl. 514-429.000.
von Voithenberg, Hubertus: *See—*
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Von Weissenfluh, Beat, to Hawe-Neos Dental Dr. H.v. Weissenfluh AG. Device with spindle and grinding disk, particulary for dentis and method for the manufacture thereof. 4,889,489, 12-26-89, C 433-134.000.
von Weissenfluh, Hans, to Hawe-Neos Dental Dr. H.v. Weissenfluh AG. Dental matrix in a flexible strip with tightener connected to 4,824,365, 4-25-89, Cl. 433-40.000.
Von Wichert, Nils; Knabe, Michael; and Schwenke, Dieter, to Ko AG. Method of and apparatus for replacing defective packets in a stream of randomly distributed satisfactory and defective packets 4,814,072, 3-21-89, Cl. 209-535.000.
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Voorhees, John L.; and Kemp, James, to Productive Products Limited Child harness. 4,840,144, 6-20-89, Cl. 119-96.000.
Voorhees, Theodore. Sanding wheel. 4,870,787, 10-3-89, Cl. 51-358.000.
Voorhees, William D., III: *See—*
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Voorhis, Roger J.; Palmer, John M.; Marris, Derrick A.; and D'Agostino, James, to Carrier Corporation. Heat pump charging. 4,796,436 1-10-89, Cl. 62-77.000.
Voorhis, Roger J.; and Palmer, John M., to Carrier Corporation. Refrigerant metering in a variable flow system. 4,873,838, 10-17-89, C 62-207.000.
Voorman, Johannes O., to U.S. Philips Corporation. Active symmetrical balance hybrid circuit. 4,798,982, 1-17-89, Cl. 307-490.000.
Voorman, Johannes O.; Snijder, Pieter J.; and Vromans, Johannes S., to U.S. Philips Corp. Delay circuit with all-pass network. 4,853,651, 8-1-89, Cl. 330-294.000.
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Vora, Bipin V.; and Scott, Norman H., to UOP Inc. Process for etherification of a dehydrogenation zone effluent. 4,806,695, 2-21-89, C 568-697.000.

Vora, Bipin V.; Pujado, Peter R.; and Conser, Richard E., to UOP Inc. Integrated etherification process with recycle post treatment. 4,816,607, 3-28-89, Cl. 568-697.000.
Vora, Bipin V.; and Scott, Norman H., to UOP. Hydrocarbon conversion process with radial flow and controlled hydrogen addition. 4,869,808, 9-26-89, Cl. 208-138.000.
Vora, Kishore N.; Campbell, Donald N.; Davis, Robert C., Jr.; Spangler, Glenn E.; and Reategui, Julio A., to Allied-Signal Inc. Selective ionization of gas constituents using electrolytic reactions. 4,839,143, 6-13-89, Cl. 422-98.000.
Vora, Krishnakant P.: *See—*
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Vora, Rohitkumar H.; Khanna, Dinesh N.; and Fontaine, Suzanne, to Hoechst Celanese Corporation. Process for insolublizing solvent soluble polyimide compositions. 4,877,653, 10-31-89, Cl. 427-385.500.
Vora, Rohitkumar H.: *See—*
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Vorbruggen, Helmut; Schwarz, Norbert; Loge, Olaf; Sturzebecher, Claus-Steffen; and Elger, Walter, to Schering Aktiengesellschaft. 11-haloprostane derivatives, processes for their preparation and their use as medicinal agents. 4,870,104, 9-26-89, Cl. 514-530.000.
Vorderer, Thomas W. Energy return spring shoe construction. 4,843,737, 7-4-89, Cl. 36-38.000.
Vories, Dennis L. Hydrostatic level and elevation measuring device. 4,878,297, 11-7-89, Cl. 33-366.000.
Vork, Donald J., to Hart & Cooley, Inc. Air register handle arrangement. 4,876,951, 10-31-89, Cl. 98-107.000.
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Vorlop, Klaus-Dieter: *See—*
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Chang, Robert C. W.; Vorndran, Steven C.; and Joseph, Michael F., 4,886,001, Cl. 110-346.000.
Voroba, Barry; and Oberlander, Dennis A. Mass production auditory canal hearing aid. 4,870,688, 9-26-89, Cl. 381-60.000.
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Vorwerk & Co. Interholding GmbH: *See—*
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Ahlf, Heinz-Jurgen; Guhne, Gieland; and Eckhart, Manfred, 4,885,013, Cl. 55-367.000.
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Vorwerk, Edgar; Finke, Manfred; and Lenz, Rudiger, to Hoechst Aktiengesellschaft. Curing component for synthetic resins, curable mixtures containing the same, and the use thereof. 4,847,346, 7-11-89, Cl. 528-45.000.
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Vorzimmer, Mark A.; and Beardslee, John, to Instant Security Systems, Inc. Portable self-contained intrusion detector for passenger aircraft. 4,797,657, 1-10-89, Cl. 340-541.000.
Vos, Gerardus J. F., to NCR Corporation. Method of controlling the operation of security modules. 4,849,927, 7-18-89, Cl. 364-900.000.
Vos, Gerardus J. J.; and Van Mal, Louis J., to U.S. Philips Corporation. Television siganl memory write circuit. 4,858,009, 8-15-89, Cl. 358-148.000.
Vos, Godfrey G.; Newman, Derek E.; and Lynn, Leland H., to Ingersoll-Rand Company. Water to emulsion transformer. 4,846,634, 7-11-89, Cl. 417-397.000.
Vos-Spilker, Peter: *See—*
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Vos, Wilbur; and Musgrove, Donavon E. Removable boat seat. 4,802,708, 2-7-89, Cl. 297-252.000.
Vosbikian, Peter S., to Quickie Manufacturing Company, Inc. Flexible dust mop. 4,794,663, 1-3-89, Cl. 15-229.600.
Voshall, Roy E., to Westinghouse Electric Corp. Vacuum-type circuit interrupter. 4,797,522, 1-10-89, Cl. 200-144.00B.
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Voss, Daniel J.: *See—*
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Voss, David L.; DeCamp, Howard S.; and Culp, Gordon W., to Sierracin Corporation. Electroconductive film system for aircraft windows. 4,874,930, 10-17-89, Cl. 219-522.000.
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Voss, Dennis A.: *See—*
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Voss, Donald E.; Miner, Lynn M.; and Busby, Kenneth O., to United States of America, Air Force. Conformal ground referenced self-integrating electric field sensor. 4,825,149, 4-25-89, Cl. 324-72.000.
Voss, Forrest L.; and Witherell, Donald R., to Rockwell International Corporation. Method of manufacture of a wiring board. 4,830,704, 5-16-89, Cl. 156-629.000.
Voss, Gene; and Eichler, Allen C. Impotence ointment. 4,801,587, 1-31-89, Cl. 514-248.000.
Voss, Gene. Cardiac assist device and method. 4,861,330, 8-29-89, Cl. 600-18.000.
Voss, Gene. Convection blanket warmer. 4,867,230, 9-19-89, Cl. 165-46.000.
Voss, George F.: *See—*
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Voss, Gordon D., to Baker's Bright Inc. Ready to use liquid bakery wash. 4,863,751, 9-5-89, Cl. 426-532.000.
Voss, Hans-Ludwig: *See—*
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Voss, Hans W.; Cremer, Heinz P.; Cwiertnia, Harald; and Putsch, Peter-Ulrich, to Keiper Recaro GmbH & Co. Vehicle seat adjustable both as to height and inclination. 4,842,334, 6-27-89, Cl. 297-338.000.
Voss, Hartwig; and Bruecken, Thomas, to BASF Aktiengesellschaft. Removal of acid from cathodic electrocoating baths by electrodialysis. 4,883,573, 11-28-89, Cl. 204-182.400.
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Voss, Hermann; and Mank, Manfred, to Hermann Berstorff Maschinenbau GmbH. Apparatus for opening and closing mold halves. 4,822,275, 4-18-89, Cl. 425-539.000.
Voss, Hermann; and Mank, Manfred, to Hermann Berstorff Maschinenbau GmbH. Stretching and blow-molding apparatus incorporating a mold-locking device. 4,834,642, 5-30-89, Cl. 425-529.000.
Voss, Hermann; and Mank, Manfred, to Hermann Berstorff Maschinenbau GmbH. Apparatus for conveying preforms. 4,856,978, 8-15-89, Cl. 425-526.000.
Voss, James R.: *See—*
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Voss, Jeffrey L.: *See—*
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Voss, Jorgen T.; and Christensen, Anger P., to Struers A/S. Methods and means for use in examining the quality of plated-through holes in circuit boards. 4,858,479, 8-22-89, Cl. 73-865.900.
Voss, Jurgen: *See—*
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Voss, Karl D.; Mercer, James B.; and Greanias, Anthony C., to General Motors Corporation. Countergravity casting apparatus. 4,809,767, 3-7-89, Cl. 164-154.000.
Voss, Karl D.; and Mercer, James B., to General Motors Corporation. Countergravity casting apparatus. 4,825,933, 5-2-89, Cl. 164-255.000.
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Voss, Peter, to Siemens Aktiengesellschaft. Thyristor with adjustable base-to-emitter resistance. 4,803,538, 2-7-89, Cl. 357-38.000.

- Voss, Peter, to Siemens Aktiengesellschaft. Light controllable thyristors. 4,812,892, 3-14-89, Cl. 357-38.000.
- Voss, Peter H.: *See—*
  - Flannagan, Stephen T.; and Voss, Peter H., 4,807,198, Cl. 365-230.000.
- Voss, Raymond G., to Eagle Valley Manufacturing, Inc. Fastener-handling tool. 4,843,923, 7-4-89, Cl. 81-44.000.
- Voss-Schrader, Bertil: *See—*
  - Atterby, Fred; Voss-Schrader, Bertil; and Tenggvist, Lennart, 4,802,421, Cl. 108-51.100.
  - Atterby, Fred; Voss-Schrader, Bertil; and Tengqvist, Lennart, 4,831,938, Cl. 108-51.300.
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- Voss, Scott V., to Olin Corporation. Heat dissipating interconnect tape for use in tape automated bonding. 4,827,376, 5-2-89, Cl. 361-388.000.
- Voss, Scott V.: *See—*
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  - Walter, Jackie A.; Sharenow, Brett; Walker, Robert; and Voss, Scott V., 4,806,409, Cl. 428-138.000.
- Voss-Spilker, Peter: *See—*
  - Reichelt, Wolfgang; Scheulen, Matthias; Schwerdtfeger, Klaus; Voss-Spilker, Peter; and Feuerstacke, Ewald, 4,836,271, Cl. 164-417.000.
- Voss, Timothy R.; and Doleva, John L., to Spalding & Evenflo Companies, Inc. Method for packaging playing balls. 4,795,031, 1-3-89, Cl. 206-315.900.
- Voss, Uwe: *See—*
  - Althoff, Karl-Heinz; Kunick, Werner; Munstermann, Manfred; Voss, Uwe; and Glanz, Werner, 4,854,805, Cl. 414-495.000.
- Voss, Wolf-Dietrich: *See—*
  - Horsky, Anton; Kuhn, Siegfried; and Voss, Wolf-Dietrich, 4,836,725, Cl. 409-201.000.
- Vossbeck, Waldemar; and Bode, Hans-Dieter, to Felix Schoeller Jr. GmbH & Co. KG. Device for measuring small changes in the thickness profile of band-shaped material particularly photographic base paper. 4,821,565, 4-18-89, Cl. 73-159.000.
- Vossbrinck, Craig R. J.; and Vossbrinck, David A., to Torque & Tension Equipment, Inc. Method for fixing boiler tubes during replacement of same. 4,831,702, 5-23-89, Cl. 29-157.30L.
- Vossbrinck, David A.: *See—*
  - Vossbrinck, Craig R. J.; and Vossbrinck, David A., 4,831,702, Cl. 29-157 30L.
- Vossen, Franz, to Meurer Nonfood Product GmbH. Sheet imprinting apparatus. 4,822,325, 4-18-89, Cl. 493-1.000.
- Vossler, Carl M. Fascia board installing apparatus. 4,836,517, 6-6-89, Cl. 269-41.000.
- Vossoughi, Sohrab; and Astleford, Marvin G., to Anthro Corporation. Adjustable support. 4,836,486, 6-6-89, Cl. 248-281.100.
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- Vosti, Donald C.: *See—*
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  - Maher, Joseph A.; Vowles, E. John; Napoli, Joseph D.; Zafiropoulo, Arthur W.; and Miller, Mark W., 4,885,050, Cl. 156-345.000.
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  - Bailey, James L.; and Vresk, Josip, 4,848,147, Cl. 73-204.170.
- Vreugdenhil, Frans G.: *See—*
  - Van Der Borst, Johannes; Valkonet, Lourens; and Vreugdenhil, Frans G., 4,870,281, Cl. 250-374.000.
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  - Murr, Michael R.; Rajasekera, Jay R.; and Vrieland, Bruce C., 4,798,641, Cl. 156-158.000.
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  - Van Gorkum, Aart A.; Vriens, Leendert; Duwaer, Arne L.; Spruit, Johannes H. M.; and Van Schoonhoven, Alexander R. H., 4,807,014, Cl. 358-65.000.
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  - Doyen, Daniel; and Vriz, Tarcisio, 4,873,495, Cl. 331-68.000.
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  - Kussendrager, Klaas D.; van den Biggelaar, Henricus A. M.; and Vromans, Herman, 4,802,926, Cl. 127-31.000.
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  - Voorman, Johannes O.; Snijder, Pieter J.; and Vromans, Johannes S., 4,853,651, Cl. 330-294.000.
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  - Erickson, Laurence R.; Behr, R. Douglas; and Vrooman, Roger D., 4,837,849, Cl. 383-104.000.
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  - Hartmann, Theo, 4,852,944, Cl. 297-445.000.
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  - Grebenkin, Anatoly F.; Glagovsky, Boris A.; Moskovenko, Igor B.; and Lasukova, Ljudmila P., 4,872,344, Cl. 73-579.000.
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  - Revnivtsev, Vladimir I.; Zarogatsky, Leonid P.; Denisov, Genrikh A.; and Fedyakov, Viktor V., 4,844,362, Cl. 241-210.000.
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  - Baldenko, Dmitry F.; Kondratenko, Leonid A.; and Semenets, Valery I., 4,823,889, Cl. 175-107.000.
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  - Ledyashov, Oleg A.; Petrov, Stanislav F.; Goryainov, Stanislav P.; Kiselman, Mark L.; Laptev, Anatoly M.; and Mishin, Viktor I., 4,809,779, Cl. 166-173.000.
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  - Ivannikov, Alfred V., 4,806,722, Cl. 219-75.000.
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  - Wheeler, Roland A.; and Rath, Jack, 4,842,466, Cl. 411-366.000.
- VSL International AG.: *See—*
  - Matt, Peter, 4,884,377, Cl. 52-98.000.
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  - Fan, John C. C.; Zavracky, Paul M.; Narayan, Jagdish; Allen, Lisa P.; and Vu, Duy-Phach, 4,885,052, Cl. 156-620.700.
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  - Juan, Alain; and Vuilleumier, Jean-Claude, 4,835,846, Cl. 29-840.000.
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  - Feltz, John F.; Taylor, John W.; and Vuketich, Richard S., 4,812,822, Cl. 340-572.000.
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- Vulcan Australia Limited: *See—*
  - Trihey, John M., 4,807,592, Cl. 126-438.000.
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  - Gould, Martin; and Vulimiri, Sudhakar, 4,859,604, Cl. 436-15.000.
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  - Walter, Robert B.; and Wilkus, Edward V., 4,824,883, Cl. 524-93.000.
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- Vuong, The A., to Telefunken Fernseh und Rundfunk GmbH. Transformation circuit arrangement. 4,841,465, 6-20-89, Cl. 364-725.000.
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  - Saulnier, Mark G.; and Vyas, Dolatrai M., 4,868,291, Cl. 536-18.100.
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  - LaCount, Nelon N., II; Vyavaharkar, Dilip Y.; and Bussjager, Rudy, 4,882,913, Cl. 62-409.000.
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- Vyne, Robert L., to Motorola, Inc. Method for resistor trimming by metal migration. 4,870,472, 9-26-89, Cl. 357-51.000.
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- Vyse, Gerrard N., to Stratoflex, Inc. Crimped hose fitting. 4,804,212, 2-14-89, Cl. 285-256.000.
- Vyse, Gerrard N.: *See—*
  - Konecny, James W.; Huston, Rodney L.; and Vyse, Gerrard N., 4,872,710, Cl. 285-81.000.
- Vysin, Vlastimil P.; and Sramek, Bohumir, to Bomed Medical Manufacturing, Ltd. Diastolic clamp for bioimpedance measuring device. 4,870,578, 9-26-89, Cl. 364-413.050.
- Vyskumny a vyvojovy ustav sklarsky: *See—*
  - Urbanek, Peter; Farkas, Peter; Cvopa, Rudolf; Faskova , Maria; and Drbohlav, Jaroslav, 4,843,207, Cl. 219-121.600.
- Vyskumny ustav pre petrochemiu Prievidza: *See—*
  - Zikmund, Miroslav; Hybl, Cestmir; Macho, Vendelin; and Adam, Valer, 4,871,519, Cl. 423-169.000.
- Vytlacil, Richard. Process for electrochemically oxidizing sulphuric acid chromium-III-solutions to chromium-VI-solutions. 4,859,294, 8-22-89, Cl. 204-97.000.
- Vyvoda, Josef C.: *See—*
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  - Burysek, Frantisek; Jirka, Bohuslav; Jarolimek, Zdenek; and Fajt, Ludvik, 4,883,231, Cl. 242-35.50A.
  - Burysek, Frantisek; and Andrlik, Pavel, 4,885,906, Cl. 57-263.000.
  - Kotrba, Zdenek; Jaros, Frantisek; Burysek, Frantisek; Kubovy, Miloslav; Hejduk, Jiri; and Bures, Pavel, 4,852,340, Cl. 57-301.000.
- W&A Bates Limited: *See—*
  - Goodfellow, Anthony G.; and Wright, Anthony R., 4,840,697, Cl. 156-405.100.
- W. A. Lane, Inc.: *See—*
  - Davis, Steven D., 4,845,926, Cl. 53-451.000.
  - Lane, William A., Jr.; and Davis, Steven D., 4,795,271, Cl. 383-104.000.
  - Lane, William A., Sr., 4,875,620, Cl. 229-1.50B.
- W. A. Whitney Corp.: *See—*
  - Brolund, Theodore F.; and Arnesson, Joel C. E., 4,860,428, Cl. 29-568.000.
- W. B. Marvin Manufacturing Company, The: *See—*
  - Chaney, David B., 4,872,399, Cl. 98-94.100.
- W. C. Bradley Company: *See—*
  - Hitch, Robert J.; and Holland, Mason P., 4,817,514, Cl. 99-419.000.
  - Hitch, Robert J., 4,819,614, Cl. 126-36.000.
- W. C. Heraeus GmbH: *See—*
  - Bossler, Hans J.; Enders, Peter; Boxhammer, Jorg; Rudolph Bernd; and Sebralla, Bruno, 4,884,008, Cl. 315-152.000.
  - Ersoy, Metin, 4,836,071, Cl. 83-140.000.
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  - Hormann, Michael; and Bach, Otto, 4,844,746, Cl. 148-2.000.
  - Nitsche, Rainer; Sebralla, Bruno; and Malkmus, Rolf, 4,872,179, Cl. 372-93.000.
  - Tushaus, Hans-Joachim; and Hormann, Michael, 4,876,868, C 72-42.000.
  - Werdecker, Waltraud; Brunner, Dieter; and Kutzner, Marta 4,818,626, Cl. 428-469.000.
  - Witt, Jurgen, 4,880,988, Cl. 250-504.00R.
  - Wundt, Konrad; Mankau, Burkhard; and Schaad, Jutta, 4,830,668, Cl. 106-123.000.
  - Ziegler, Horst; Brendecke, Hermann; and Hauptmann, Vet 4,848,923, Cl. 374-117.000.
  - Ziegler, Horst; and Behlen, Horst, 4,861,168, Cl. 374-117.000.
  - Ziegler, Horst; and Behlen, Horst, 4,874,252, Cl. 374-117.000.
- W. Dollken & Co. GmbH: *See—*
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- W & F Manufacturing, Inc.: *See—*
  - Fleming, Paul D.; and Gajer, Nandor, 4,807,914, Cl. 292-48.000.
  - Fleming, Paul D.; and O'Day, David L., 4,876,866, Cl. 70-379.00R.
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  - Gratke, Norman G., 4,876,461, Cl. 307-116.000.
  - Hoyt, Steven D., 4,844,629, Cl. 400-583.300.
  - Kiekhaefer, John H.; Perko, Jack E.; Hetzer, Joseph S.; and Harris Frank W., 4,812,343, Cl. 428-35.600.
  - Maser, Thomas L., 4,857,683, Cl. 200-5.00A.
  - O'Rourke, James P., 4,795,861, Cl. 200-5.00A.
- W. H. Wallo & Associates, Inc.: *See—*
  - Wallo, William H., 4,804,161, Cl. 248-544.000.
- W. Haking Enterprises Limited: *See—*
  - Brower, Michael J., 4,843,416, Cl. 354-403.000.
  - Heuer, William H.; and Matsuda, Hari, 4,797,697, Cl. 354-75.000.
  - Heuer, William H.; and Matsuda, Hari, 4,804,984, Cl. 354-76.000.
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  - Waldren, Jonathan D., 4,884,219, Cl. 364-514.000.
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  - Wallace, Walter J., Jr., 4,832,182, Cl. 198-509.000.
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  - Akiba, Juji, 4,843,305, Cl. 324-65.00P.
  - Bailey, Christian E.; and Bowser, John J., 4,860,598, Cl. 73-863.330.
  - Campbell, Michael L.; Williams, Benjamin G.; Riffle, Rob G.; and Biggerstaff, Charles E., 4,876,051, Cl. 264-127.000.
  - Crosby, Philip M., 4,862,730, Cl. 73-38.000.
  - Crowther, Glenn W.; Hyde, Christopher T.; and Henn, Robert L. 4,814,412, Cl. 528-28.000.
  - Gilbert, Gary, 4,838,141, Cl. 84-380.00B.
  - Guiol, Eric, 4,871,883, Cl. 174-36.000.
  - House, Wayne D.; and Myers, David J., 4,877,661, Cl. 428-34.900.
  - Ingram, Glenn B., 4,842,553, Cl. 439-583.000.
  - Ingram, Glenn B., 4,866,212, Cl. 174-28.000.
  - Mallouk, Robert S.; and Mortimer, William P., Jr., 4,863,974, C 521-85.000.
  - Manniso, James L., 4,865,909, Cl. 428-251.000.
  - Manniso, James L.; Sieber, Eugene W.; and Voshell, Glenn R. 4,878,930, Cl. 55-493.000.
  - McPherson, Hugh, 4,859,989, Cl. 340-510.000.
  - Norvell, Jean, 4,868,928, Cl. 2-272.000.
  - Pacanowsky, David J.; and Williams, Ruth S., 4,809,447, Cl. 36 9.00R.
  - Sahakian, Jack A., 4,877,923, Cl. 174-11.00R.
  - Sanders, Mark S., 4,858,310, Cl. 29-828.000.
  - Sassa, Robert L.; and Bailey, Christian E., 4,830,643, C 55-316.000.
  - Saville, Mark K.; Gorak, William J., Jr.; and Bove, Ronald L. 4,816,328, Cl. 428-246.000.
  - Walter, Jeffrey A.; Garg, Kailash C.; and Rowan, Joseph C. 4,875,026, Cl. 333-251.000.
  - Widdoes, Peter A., 4,867,707, Cl. 439-675.000.
  - Witzko, Richard, 4,888,245, Cl. 428-421.000.
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  - Haney, Keith M.; and Willis, Clyde A., 4,830,119, Cl. 173-21.000.
  - Haney, Keith M.; and Lingafelter, Jerry K., 4,867,236, Cl. 166-77.500.
  - Willis, Clyde A.; and Haney, Keith M., 4,821,814, Cl. 173-164.000.
  - Willis, Clyde A., 4,821,816, Cl. 175-57.000.
  - Willis, Clyde A.; and Haney, Keith M., 4,842,250, Cl. 254-337.000.
- W. P. Stephens Lumber Company: *See—*
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  - Hassler, Thord G. G., 4,847,315, Cl. 524-357.000.
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  - Arfaei, Ahmad, 4,814,014, Cl. 106-90.000.
  - Bersano, Bruno, 4,801,418, Cl. 264-268.000.
  - Boice, Peter R., 4,879,177, Cl. 428-339.000.
  - Bowers, William F.; and Tiffany, Douglas B., 4,832,851, Cl. 210-650.000.
  - Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,810,817, Cl. 560-40.000.
  - Davis, Kent A.; Bekele, Solomon; and Stockley, Henry W., 4,886,690, Cl. 428-36.600.
  - Donalson, Dennis C.; and Wilkie, Robert R., 4,817,263, Cl. 29-455.100.
  - Fecondini, Luciano, 4,861,485, Cl. 210-641.000.
  - Friedrich, Steven G.; and Davis, Kent A., 4,859,514, Cl. 428-36.600.
  - Fulton, Scott P.; and Tiffany, Douglas B., 4,810,392, Cl. 210-659.000.
  - Garland, Steven B.; and Warren, Thomas C., 4,797,235, Cl. 264-22.000.
  - Havens, Marvin R., 4,800,115, Cl. 428-178.000.
  - Havens, Marvin R.; and Wilkie, Robert R., 4,848,566, Cl. 206-328.000.
  - Holdsworth, Robert S.; Brown, Shawn E.; and Gribens, Joel A., 4,852,754, Cl. 215-347.000.
  - Jahn, Robert E., 4,795,034, Cl. 206-557.000.
  - Klinger, Lori J., 4,857,434, Cl. 430-286.000.
  - Lin, Wei Y., 4,837,126, Cl. 430-284.000.
  - Mobark, Bengt U., 4,796,408, Cl. 53-427.000.
  - Mueller, Walter B.; and Schirmer, Henry G., 4,816,343, Cl. 428-480.000.
  - Mueller, Walter B., 4,833,024, Cl. 428-349.000.
  - Mueller, Walter B.; and Schirmer, Henry G., 4,885,119, Cl. 264-22.000.
  - Norkus, Christopher P., 4,829,896, Cl. 101-486.000.
  - O'Connell, David M., 4,795,417, Cl. 493-439.000.
  - O'Neill, Ronan R., 4,796,412, Cl. 53-473.000.
  - Pryor, James N.; Bogdanor, James M.; and Welsh, William A., 4,877,765, Cl. 502-408.000.
  - Rich, Thomas R., 4,801,008, Cl. 206-219.000.
  - Schirmer, Henry G., 4,803,122, Cl. 428-349.000.
  - Schirmer, Henry G., 4,815,602, Cl. 206-497.000.
  - Schirmer, Henry G., 4,847,148, Cl. 428-332.000.
  - Schirmer, Henry G., 4,853,287, Cl. 428-349.000.
  - Schirmer, Henry G., 4,854,999, Cl. 156-272.600.
  - Schirmer, Henry G., 4,881,359, Cl. 53-427.000.
  - Shah, Gautam P., 4,828,928, Cl. 428-518.000.
  - Shah, Gautam P., 4,839,235, Cl. 128-516.000.
  - Snook, Marvin G., 4,865,483, Cl. 402-80.00R.
  - Vogan, Dennis J., 4,808,010, Cl. 383-107.000.
  - Vogan, Dennis J., 4,861,414, Cl. 156-530.000.
  - Wallace, John L., 4,889,765, Cl. 428-290.000.
  - Worns, John R.; and Williams, Trevor J., 4,847,182, Cl. 430-309.000.
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- W. R. Grace & Co.-Conn.: *See—*
  - Alcorn, William R.; Bullock, Wesley P.; Smith, Edward M.; and Whittenberger, William A., 4,869,738, Cl. 55-267.000.
  - Anderman, Menahem; and Johnson, Steven L., 4,853,305, Cl. 429-212.000.
  - Block, Jacob, 4,859,652, Cl. 505-1.000.
  - Block, Jacob, 4,863,521, Cl. 106-470.000.
  - Bortolani, Ermanno; and Vassarotti, Enzo, 4,833,862, Cl. 53-427.000.
  - Braatz, James A.; and Kehr, Clifton L., 4,886,866, Cl. 528-59.000.
  - Bragdon, Robert W.; and Gaudette, Roger R., 4,871,552, Cl. 426-2.000.
  - Bullock, Wesley; and Whittenberger, William A., 4,823,583, Cl. 72-196.000.
  - Bullock, Wesley P.; and Whittenberger, William A., 4,810,588, Cl. 428-603.000.
  - Cheng, Wu-Cheng; Lundsager, Christian B.; and Spotnitz, Robert M., 4,826,799, Cl. 502-301.000.
  - Chmurny, Alan B.; Gross, Akiva T.; Kupper, Robert J.; and Roberts, Rowena L., 4,873,359, Cl. 560-40.000.
  - Clarkson, Douglas; and Clifford, Richard P., 4,853,411, Cl. 514-441.000.
  - Clarkson, Douglas; Clifford, Richard P.; and Marshall, Alan, 4,863,616, Cl. 210-755.000.
  - Cornelison, Richard C.; and Retallick, William B., 4,829,655, Cl. 29-527.400.
  - Cornelison, Richard C., 4,838,067, Cl. 72-196.000.
  - Cornelison, Richard C., 4,849,274, Cl. 428-116.000.
  - Couturier, Marysusan; and Trainor, Donna, 4,870,128, Cl. 524-556.000.
  - Cox, Charles K., 4,882,077, Cl. 252-49.500.
  - Cuisia, Dionisio G.; Hwa, Chih M.; and Salutsky, Murrell L., 4,847,001, Cl. 252-389.620.
  - Durham, Donald R., 4,865,983, Cl. 435-264.000.
  - Garland, Steven B., 4,842,952, Cl. 428-518.000.
  - Gilson, Jean-Pierre, 4,834,867, Cl. 208-120.000.
  - Havens, Marvin R.; and Lovin, Joseph R., 4,882,894, Cl. 53-461.000.
  - Kindt, Lawrence J.; and Gartner, Ellis M., 4,829,107, Cl. 524-3.000.
  - Korin, Amos, 4,869,821, Cl. 210-321.640.
  - Kupper, Robert J., 4,820,881, Cl. 568-947.000.
  - Kupper, Robert J.; Jachimowicz, Felek; Quirk, Jennifer M.; and Hakansson, Christer L., 4,851,588, Cl. 568-713.000.
  - Kupper, Robert J., 4,855,455, Cl. 549-88.000.
  - Lau, John W.; and Bennet, Kevin E., 4,828,961, Cl. 430-198.000.
  - Lin, Shiow-Ching; and Kuo, Ping-Lin, 4,797,455, Cl. 525-504.000.
  - Lin, Shiow-Ching; and Quirk, Jennifer M., 4,816,589, Cl. 548-341.000.
  - Lulham, Cedric M.; Wofford, George D.; Bradfute, John G.; and Friedrich, Steven G., 4,875,587, Cl. 206-484.000.
  - Lussier, Roger J.; and Surland, George J., 4,836,913, Cl. 208-120.000.
  - Lussier, Roger J., 4,843,052, Cl. 502-68.000.
  - Lussier, Roger J., 4,847,225, Cl. 502-68.000.
  - Martini, Francesco; Perazzo, Luigi; and Vietto, Paolo, 4,826,493, Cl. 604-327.000.
  - Martini, Francesco; Perazzo, Luigi; and Vietto, Paolo, 4,880,592, Cl. 264-514.000.
  - Milliken, Robert D., 4,888,200, Cl. 427-31.000.
  - Minhas, Bhupender S., 4,874,405, Cl. 55-158.000.
  - Morgan, Charles R.; Chen, Cheng-Chi; Blinka, Thomas A.; and Obligin, Alan S., 4,882,057, Cl. 210-500.230.
  - Norkus, Christopher P., 4,870,901, Cl. 101-415.100.
  - Oberle, Timothy T., 4,855,183, Cl. 428-345.000.
  - Oberle, Timothy T., 4,879,124, Cl. 426-113.000.
  - O'Connell, David M., 4,887,993, Cl. 493-439.000.
  - O'Rell, Dennis D.; and Holleran, Peter M., 4,812,357, Cl. 428-246.000.
  - Owen, Dave L.; and Jahn, Robert E., 4,796,405, Cl. 53-222.000.
  - Owen, Dave L.; and Jahn, Robert E., 4,827,694, Cl. 53-441.000.
  - Parker, Raymond G., 4,871,561, Cl. 426-281.000.
  - Pereira, Carmo J.; Kubsh, Joseph E.; and Hegedus, Louis, 4,859,433, Cl. 423-212.000.
  - Pfannkoch, Edward A., 4,808,233, Cl. 134-2.000.
  - Quacquarella, Cesare; and Williams, Richard S., 4,801,486, Cl. 428-34.900.
  - Quirk, Jennifer M.; Carter, Charles G.; and Kupper, Robert J., 4,801,742, Cl. 562-450.000.
  - Quirk, Jennifer M., 4,861,925, Cl. 568-942.000.
  - Quirk, Jennifer M.; and Carter, Charles G., 4,873,358, Cl. 560-22.000.
  - Retallick, William B., 4,831,009, Cl. 502-334.000.
  - Rice, John M., 4,847,081, Cl. 424-89.000.
  - Rosenberg, Arnold M.; Gaidis, James M.; and Kindt, Lawrence J., 4,888,058, Cl. 106-98.000.
  - Sherwin, Martin B.; and Su, Jow-Lih, 4,869,889, Cl. 423-373.000.
  - Smith, Edward M.; and Cornelison, Richard C., 4,875,436, Cl. 122-7.00R.
  - Vu, Cung; and Hartwig, Richard C. 4,804,734, Cl. 528-54.000.
  - Vu, Cung; Buxbaum, Susan P.; Blank, Norman E.; and Hartwig, Richard C., 4,855,185, Cl. 428-423.100.
  - Vu, Cung, 4,859,735, Cl. 524-780.000.
  - Vu, Cung; Martin, Timothy J.; Gillanders, Andrew M.; and Sbaiti, Bassam, 4,877,829, Cl. 524-729.000.
  - Walter, James F.; and Sherwin, Martin B., 4,859,591, Cl. 435-106.000.
  - Warren, Thomas C., 4,820,557, Cl. 428-34.900.
  - Warren, Thomas C., 4,837,084, Cl. 428-349.000.
  - Warren, Thomas C., 4,853,265, Cl. 428-34.900.
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  - Williams, Allen C., Jr., 4,889,731, Cl. 426-106.000.
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  - Grecksch, Hans; Bertrams, Josef; and Bucken, Rene, 4,878,629, Cl. 242-18.0PW.
  - Haberkorn, Egon, 4,824,037, Cl. 242-35.60E.
  - Hermanns, Ferdinand-Josef; and Haasen, Rolf, 4,805,844, Cl. 242-18.0DD.
  - Kamp, Heinz; Becker, Rolf; and Wionsek, Horst, 4,807,822, Cl. 242-43.00R.
  - Kamp, Heinz, 4,844,358, Cl. 242-35.50R.
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  - Kupper, Wilhelm, 4,830,171, Cl. 198-357.000.
  - Lembeck, Theo, 4,815,268, Cl. 57-401.000.
  - Maassen, Wilhelm; Gebald, Gregor; and Thomas, Ulrich, 4,884,699, Cl. 209-587.000.
  - Raasch, Hans, 4,825,631, Cl. 57-263.000.
  - Raasch, Hans; Schlosser, Helmut; Ruge, Joachim; Goebbels, Heinz-Dieter; Lassmann, Manfred; and Schippers, Norbert, 4,825,632, Cl. 57-264.000.
  - Raasch, Hans, 4,843,812, Cl. 57-417.000.
  - Raasch, Hans; Schmid, Reinhold; and Esser, Hans-Willi, 4,850,543, Cl. 242-18.00R.
  - Ruge, Joachim; Neuhaus, Ludwig; Kathke, Gregor; Hermanns, Ferdinand-Josef; and Gebald, Gregor, 4,828,191, Cl. 242-18.00R.
  - Ruge, Joachim; Wey, Edmund; and Gabald, Gregor, 4,843,808, Cl. 57-264.000.
  - Ruge, Joachim; Kathke, Gregor; and Schlosser, Helmut, 4,879,475, Cl. 307-68.000.
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  - Wassenhoven, Heinz-Georg, 4,825,637, Cl. 57-412.000.
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  - Barringer, Eric A.; Lieberman, Sheldon I.; Schmidt, Mark S.; Hodge, James D.; Waack, Richard; Kelley, Donald J.; Saxton, Brian W.; and Gruber, William C., 4,861,646, Cl. 428-210.000.
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  - Loquenz, Heinz; Meissl, Siegfried; Schweiger, Helmut; Meindl, Norbert; Schwarzl, Karl; and Hruschka, Anton, 4,834,837, Cl. 162-19.000.
  - Loquenz, Heinz; and Meissl, Siegfried, 4,880,313, Cl. 366-336.000.
- Waas, Keinrich. Apparatus for dissipating surface waves, particularly for protecting floating or fixed structures or coasts. 4,824,286, 4-25-89, Cl. 405-27.000.
- Waas, Peter, to Webasto-Werk W. Baier GmbH & Co. Heating apparatus, especially a vehicle auxiliary heating apparatus. 4,860,951, 8-29-89, Cl. 237-2.00A.
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  - Ehrlich, Rodney P., 4,810,027, Cl. 296-181.000.
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- WABCO Fahrzeugbremsen GmbH: *See—*
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  - Charton, Rene; and Kleen, Berend, 4,859,942, Cl. 324-208.000.
  - Deike, Horst; and Petersen, Erwin, 4,805,715, Cl. 180-197.000.
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  - Deike, Karl-Heinz; Kiel, Bernd; and Konig, Heinz-Werner, 4,817,660, Cl. 137-116.000.
  - Eckert, Horst; Feldmann, Joachim; and Warendorf, Gerhard, 4,888,997, Cl. 73-862.650.
  - Ewald, Jurgen; Frania, Josef; and Glogowschek, Roland, 4,887,513, Cl. 92-63.000.
  - Goral, Erhard; and Mensing, Walter, 4,889,037, Cl. 92-78.000.
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  - Petersen, Erwin, 4,824,178, Cl. 303-15.000.
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  - Bernhardt, Bruno; and Kedzierski, Heinrich, 4,875,405, Cl. 92-194.000.
- Wabel, Janos: *See—*
  - Csutak, Janos; Kiss, Andras S.; Marossy, Kalman; Szechy, Vilma; Kocsis nee Bagyi, Maria; Gorog nee Privitzer, Katalin; Bodnar, Laszlo ; Kiss, Gyorgy; Liptak, Maria; Cserhati nee Botka, Ilona; Wabel, Janos; Halmagyi, Tibor; Kadenczky, Lajos; Arpad, Zoltan; Marmarosi nee Kellner, Katalin; and Kecskes nee Ivan, Katalin, 4,866,043, Cl. 514-75.000.
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- Wachi, Hiroshi: *See—*
  - Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.
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  - Farrell, Christopher J.; Tsai, Boh C.; and Wachtel, James A., 4,816,342, Cl. 428-475.500.
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  - Ball, Peter; and Weissgerber, Rudolph, 4,831,077, Cl. 524-820.000.
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  - Bosch, Erhard; Neuhauser, Franz; Schiller, August; and Sommer, Oswin, 4,801,673, Cl. 528-34.000.
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  - Primas, Willi; Proschkowitz, Max; and Marsch, Wilhelm, 4,863,666, Cl. 264-320.000.
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  - Schilling, Bernd; and Fickert, Karl-Ernst, 4,879,336, Cl. 524-503.000.
  - Schmidhammer, Ludwig; Dummer, Gerhard; Hirschmann, Peter; Strasser, Rudolf; and Haunberger, Franz, 4,839,153, Cl. 423-488.000.
  - Schulze, Joachim; Adler, Klaus; Selig, Manfred; Ball, Peter; Marquardt, Klaus; Killermann, Otmar; and Hannebaum, Manfred, 4,859,751, Cl. 526-200.000.
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  - Wolfgruber, Matthias; Deubzer, Bernward; and Frey, Volker, 4,857,582, Cl. 524-730.000.
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  - Frank, Walter; and Palme, Gerhard, 4,834,062, Cl. 125-13.00R.
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  - Frank, Walter, 4,864,895, Cl. 76-25.00R.
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  - Ammon, Wilfried V.; Hensel, Wolfgang; and Klinger, Heinz, 4,851,628, Cl. 219-10.430.
  - Brehm, Gerhard; Langsdorf, Karlheinz; Niedermeier, Johann; and Glas, Johann, 4,844,047, Cl. 125-13.00R.
  - Stock, Horst; Huber, Lothar; and Priewasser, Georg, 4,834,832, Cl. 156-620.100.
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  - Brehm, Gerhard; and Niedermeier, Johann, 4,811,722, Cl. 125-11.00R.
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  - Adkins, James R., 4,822,830, Cl. 523-203.000.
  - Hoffman, Michael J., 4,840,742, Cl. 252-49.500.
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  - Taguchi, Yoshinori; and Yamanami, Tsuguya, 4,890,096, Cl. 340-712.000.
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  - Murakami, Azuma; Hagiwara, Teruyoshi; Tuchida, Yoichi; and Johno, Hideki, 4,848,496, Cl. 178-19.000.
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  - Ohtani, Ikuji; Watanabe, Akihiro; Wada, Akihiro; and Kakuta, Rin-ichi, 4,820,778, Cl. 525-329.900.
- Wada, Akio; Nakeuchi, Fumiko; and Nishizawa, Seiji, to Nihon Bunko Kogyo Kabushiki Kaisha. Apparatus for preparing sample solution for infrared spectrophotometer and method of analyzing sample solution. 4,841,145, 6-20-89, Cl. 250-304.000.
- Wada, Eizo: *See—*
  - Sakai, Nobuhiko; Uchida, Yukio; Wada, Eizo; and Hirose, Yusuke, 4,847,169, Cl. 428-659.000.
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  - Maeda, Tetsuro; Wada, Fukuaki; Ohoka, Susumu; and Okamoto, Akihiro, 4,876,145, Cl. 428-327.000.
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  - Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, 4,876,139, Cl. 428-200.000.
- Wada, Glen: *See—*
  - Jillie, Don W., Jr.; Yin, Gerald; and Wada, Glen, 4,808,259, Cl. 156-643.000.
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  - Takeda, Mikio; Inage, Masaru; Wada, Hiroshi; Tamaki, Hajime; and Ochiai, Takashi, 4,886,817, Cl. 514-341.000.
  - Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.
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Wada, Juro. Spectacles provided with a magnifier having an automatic focusing function. 4,865,438, 9-12-89, Cl. 351-158.000.
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Naito, Yoshikazu; Nakatani, Keiji; and Wada, Kanji, 4,821,107, Cl. 358-256.000.
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Wada, Kazunori: *See—*
Sekiguchi, Tadao, Sawa, Utaji; and Wada, Kazunori, 4,869,787, Cl. 204-1.00T.
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Nagata, Teruyuki; Tamaki, Akihiro; Kajimoto, Nobuyuki; and Wada, Masaru, 4,871,875, Cl. 564-402.000.
Wada, Masayoshi, to Nakatani Kikai Kabushiki Kaisha. Plastic material molding apparatus. 4,867,665, 9-19-89, Cl. 425-145.000.
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Sakai, Yasuo; and Wada, Morihito, 4,882,987, Cl. 101-13.040.
Wada, Moriyasu; Suzuki, Shuichi; Wada, Yuusuke; Hayase, Shuzi; and Mikogami, Yukihiro, to Kabushiki Kaisha Toshiba. Photocurable composition. 4,816,496, 3-28-89, Cl. 522-17.000.
Wada, Moriyasu: *See—*
Hayase, Shuzi; Onishi, Yasunobu; Suzuki, Shuichi; and Wada, Moriyasu, 4,835,193, Cl. 522-15.000.
Kaneko, Nagao; Wada, Moriyasu; Saitoh, Shiroh; and Honda, Hiroki, 4,886,068, Cl. 128-660.010.
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Wada, Motoi: *See—*
Ishida, Yasumasa; Kawamoto, Hiroyuki; Wada, Motoi; Hatoh, Hisamitu; Miyatake, Yoshiteru; Mori, Sadao; and Takahashi, Eiji, 4,881,026, Cl. 324-71.100.
Wada, Nobuhide; Saito, Yoshihiro; Kusano, Shoji; Toyokawa, Yasufumi; Miyazawa, Takeshige; and Takahashi, Satoru, to Kumiai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. 2-Phenoxypyrimidine derivative and herbidical composition. 4,889,552, 12-26-89, Cl. 71-92.000.
Wada, Sabro, to Japan Oil Engineering Company, Ltd. Method and apparatus for extracting geothermal fluid. 4,866,939, 9-19-89, Cl. 60-641.200.
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Otsuka, Nobuo; Thompson, Peter F.; and Wada, Seiji, 4,819,714, Cl. 165-12.000.
Wada, Shinji: *See—*
Kato, Yasuo; Horiguchi, Kiwami; Wada, Shinji; and Kitao, Ikuo, 4,848,895, Cl. 351-211.000.
Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa, Kazuo; and Hideshima, Masayuki, 4,854,691, Cl. 351-221.000.
Wada, Hiroshi; Wada, Shinji; and Iijima, Chiyoaki, 4,844,569, Cl. 350-347.00R.
Wada, Shohachi; and Kulhlemann, Bruce, to Miles Laboratories, Inc. Container for fine separation of blood and blood components. 4,857,190, 8-15-89, Cl. 210-232.000.
Wada, Shunichi: *See—*
Harara, Mitsuhiko; Takizawa, Shozo; Tanaka, Tadao; Wada, Shunichi; and Ohtagaki, Shigeki, 4,887,840, Cl. 280-707.000.
Tanaka, Tadao; Harara, Mitsuhiko; Taniguchi, Yasutaka; Takizawa, Shozo; Tatemoto, Minoru; Terada, Tetsuya; Wada, Shunichi; Ohtagaki, Shigeki; and Mitsuhata, Kouji, 4,856,813, Cl. 280-703.000.
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Wada, Sumio: *See—*
Yasuda, Kazuhiko; and Wada, Sumio, 4,875,116, Cl. 360-78.110.
Wada, Tadafuto; and Fujita, Mituo, to Kabushiki Kaisha Shinsei Industries. Electrically-operated labeler. 4,826,558, 5-2-89, Cl. 156-384.000.
Wada, Takeo; Onaka, Hiroshi; and Matsuda, Hideaki, to Takeda Chemical Industries, Ltd. Process for producing zirconium sols and gels and process for producing zirconia using the same. 4,816,239, 3-28-89, Cl. 423-280.000.
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Kamijo, Masayasu; Katsuta, Shinichiro; and Wada, Takeo, 4,806,206, Cl. 162-145.000.
Wada, Takeshi; Kita, Hisanao; Karatsu, Yoshinori; and Akutsu, Yoji, to Hitachi, Ltd. Method of connecting superconducting wires. 4,794,688, 1-3-89, Cl. 29-599.000.
Wada, Takuya: *See—*
Kobayashi, Shoei; Wada, Takuya; and Yamamura, Shinichi, 4,852,101, Cl. 371-40.000.
Wada, Tatsuo; Miki, Toshiro; and Takenaka, Masamitsu, to Meiko Electronics Co., Ltd.; and Toagosei Chemical Industry Co., Ltd. Method of producing conductor circuit boards. 4,889,584, 12-26-89, Cl. 156-630.000.
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Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.
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Anami, Kenji; Ichinose, Katsuki; and Wada, Tomohisa, 4,879,690, Cl. 365-201.000.
Kuriyama, Hirotada; Wada, Tomohisa; and Murakami, Shuji, 4,811,155, Cl. 361-56.000.
Wada, Toshiaki; Furukawa, Mitsuhiko; Shiroyama, Masaharu; Miyahara, Michito; Nagano, Mitsuyoshi; and Mohri, Shigeki, to Sumitomo Special Metals Co., Ltd.; and Nippon Tungsten Co., Ltd. Recording head slider. 4,796,127, 1-3-89, Cl. 360-103.000.
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Wada, Toshiaki; Nakaoka, Junichi; and Ono, Takayuki, to Sumitomo Special Metals Co., Ltd. Process for producing substrate member for magnetic recording disc. 4,816,128, 3-28-89, Cl. 204-192.230.
Wada, Toshiaki; and Nose, Masateru, to Sumitomo Special Metals Co., Ltd. Magnetic recording medium. 4,828,905, 5-9-89, Cl. 428-213.000.
Wada, Toshiaki; and Murata, Akio, to Sumitomo Special Metals Co., Ltd. Thin-film magnetic head. 4,855,854, 8-8-89, Cl. 360-126.000.
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Wada, Toshiaki; Katsuyama, Yoshiaki; and Nakaoka, Junichi, to Sumitomo Special Metals Co., Ltd. Grooved magnetic substrates and method for producing the same. 4,875,987, 10-24-89, Cl. 204-192.15
Wada, Toshiaki: *See—*
Fuwa, Shigehiro; Fujii, Naoki; Hatsuse, Toshikazu; Ito, Masa; Wada, Toshiaki; and Nakaoka, Junichi, 4,794,736, Cl. 51-165.72

Wada, Toshihiko; and Matsuzawa, Hideki, to Fuji Photo Film Co., Ltd. Method of and apparatus for cleaning magnetic recording disk cartridge. 4,801,334, 1-31-89, Cl. 134-21.000.
Wada, Toshihiko: *See—*
Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.
Wada, Toshimichi; Kuroda, Hiroshi; Ishikawa, Tomihisa; and Mori, Yoshimichi, to Babcock-Hitachi Kabushiki Kaisha. Apparatus for denitration. 4,820,492, 4-11-89, Cl. 422-111.000.
Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, to Nippon Steel Corporation. Method for producing a grain-oriented electrical steel sheet having a low watt loss. 4,863,531, 9-5-89, Cl. 148-111.000.
Wada, Toshiya: *See—*
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Kuroki, Katsuro; Wada, Toshiya; and Nakashima, Shozaburo, 4,863,532, Cl. 148-307.000.
Wada, Tsuguyasu: *See—*
Ohriner, Evan K.; Whelan, Edward P.; Wada, Tsuguyasu; and Ocken, Howard, 4,803,045, Cl. 420-57.000.
Wada, Tsunemi: *See—*
Teramoto, Toyokazu; Fujibayashi, Akio; Fukuda, Kozo; Ueda, Mashiro; Nagahashi, Shinichi; Kataoka, Yazuru; Sato, Hiroaki; Wada, Tsunemi; Gino, Takao; Saito, Yoshio; and Morioka, Kiyotaka, 4,886,558, Cl. 148-146.000.
Wada, Yasuo: *See—*
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Sunami, Hideo; Kure, Tokuo; Hiraiwa, Atsushi; and Wada, Yasuo, 4,860,071, Cl. 357-23.600.
Wada, Yasuyuki: *See—*
Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,810,068, Cl. 350-358.000.
Shimazu, Shigeaki; Endo, Kenji; Tamaki, Eiichi; Wada, Yasuyuki; Okazaki, Masahide; Kageyama, Takeshi; and Kurata, Yoshio, 4,867,542, Cl. 350-358.000.
Wada, Yoneji: *See—*
Nakajima, Yoshiaki; Suzuki, Tadashi; and Wada, Yoneji, 4,852,693, Cl. 184-6.400.
Wada, Yoshihiro; and Fujii, Ryoichi, to Sharp Kabushiki Kaisha. Display segment configuration suitable for Celsius and Fahrenheit thermometer. 4,812,835, 3-14-89, Cl. 340-756.000.
Wada, Yoshihiro, to Sharp Kabushiki Kaisha. Electronic thermometer. 4,844,623, 7-4-89, Cl. 374-171.000.
Wada, Yoshihiro: *See—*
Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, 4,876,139, Cl. 428-200.000.
Wada, Yukio: *See—*
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Sato, Hiroshi; Ohashi, Toshijiro; Hamada, Toyohide; Umakoshi, Yukimori; Suzuki, Takamichi; Wada, Yuuji; Hara, Shigeo; and Fukumoto, Youshuke, 4,872,618, Cl. 242-4.00R.
Wada, Yuusuke: *See—*
Wada, Moriyasu; Suzuki, Shuichi; Wada, Yuusuke; Hayase, Shuzi; and Mikogami, Yukihiro, 4,816,496, Cl. 522-17.000.
Wada, Yuzo: *See—*
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Waddell, Alexander J.: *See—*
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Waddell, Charles E., Jr.: *See—*
Carpenter, Lester E.; and Waddell, Charles E., Jr., 4,854,432, Cl. 190-110.000.
Waddell, Ewan M.; Orr, James S.; and Monachan, Brian C., to Barr & Stroud Limited. Optical coating. 4,859,536, 8-22-89, Cl. 428-408.000.
Waddell, James A.: *See—*
Lents, Rollie T., 4,875,622, Cl. 232-39.000.
Waddell, Peter, to University of Strathclyde. Mirror assembly with flexible membrane. 4,822,155, 4-18-89, Cl. 350-608.000.
Waddell, Troy; and Walker, Jerry. Detachable trays for water beds. 4,836,113, 6-6-89, Cl. 108-49.000.
Waddell, Walter H.: *See—*
Gillick, James G.; and Waddell, Walter H., 4,824,692, Cl. 427-53.100.
Waddill, Harold G., to Texaco Inc. Accelerator for curing epoxy resins comprising piperazine, triethanolamine and tris(dimethylaminomethyl)phenol. 4,800,222, 1-24-89, Cl. 528-94.000.
Waddill, Harold G., to Texaco Inc. Epoxy coatings using acrylate esters, polyetherpolyamines and piperazine(s). 4,835,241, 5-30-89, Cl. 528-111.000.
Waddill, Harold G.: *See—*
Larkin, John M.; Zimmerman, Robert L.; Cuscurida, Michael; and Waddill, Harold G., 4,825,000, Cl. 564-347.000.
Sellstrom, Kathy B.; and Waddill, Harold G., 4,828,879, Cl. 427-136.000.
Zimmerman, Robert L.; Waddill, Harold G.; and Speranza, George P., 4,826,930, Cl. 525-504.000.
Waddington, Brian; and Hibbert, Clive O., to Mining Supplies (Longwall) Limited. Mining machinery haulage system. 4,813,748, 3-21-89, Cl. 299-43.000.
Waddington, Clive, to Avco Corporation. Bearing assembly. 4,808,013, 2-28-89, Cl. 384-495.000.
Waddington, John D., to British Gas PLC. Heating stock in a heating chamber. 4,840,560, 6-20-89, Cl. 432-59.000.
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Gutierrez, Antonio; Emert, Jacob; Kleist, Robert A.; and Waddoups, Malcolm, 4,839,073, Cl. 252-51.50A.
Wade, Bill R.; and Wade, Thelma L., to Olympus Industries, Inc. Fruit juice mix for whipped and/or frozen applications. 4,816,283, 3-28-89, Cl. 426-565.000.
Wade, Bill R.; and Wade, Thelma L., to Olympus Industries, Inc. Fruit shake and method of making the same. 4,828,866, 5-9-89, Cl. 426-599.000.
Wade, Bill R.; and Wade, Thelma L., to Olympus Industries, Inc. Fruit shake and method of making the same. 4,830,868, 5-16-89, Cl. 426-565.000.
Wade, Calvin N., to Steamatic, Inc. Air powered duct cleaner and crawler. 4,800,616, 1-31-89, Cl. 15-379.000.
Wade, Chris: *See—*
Lamb, Chris; and Wade, Chris, 4,825,424, Cl. 367-141.000.
Wade, Christopher A., to Plessey Overseas Limited. Optical pulse generating arrangements. 4,856,092, 8-8-89, Cl. 455-609.000.
Wade, Christopher A.: *See—*
Dakin, John P.; Wade, Christopher A.; and Pratt, David J., 4,849,960, Cl. 370-3.000.
Dakin, John P.; and Wade, Christopher A., 4,861,980, Cl. 250-227.000.
Wade, Franklin C.; Anderson, Richard A.; and Barron, Richard H., to Wade, Franklin C.; and Barron, Richard H. Method and apparatus for removal of submerged offshore objects. 4,808,037, 2-28-89, Cl. 405-226.000.
Wade, Gentry E.: *See—*
Gou, Perng-Fei; and Wade, Gentry E., 4,889,682, Cl. 376-283.000.
Wade, Ivan W., Jr.; Hessler, John D.; and Eloph, Harry E., to Essex Group, Inc. Multilayer wrapped insulated magnet wire. 4,851,060, 7-25-89, Cl. 156-53.000.
Wade, James A., to A. P. Green Industries, Inc. Center mounted insulating module for a furnace. 4,848,055, 7-18-89, Cl. 52-506.000.
Wade, James D., to Kin, Inc. Enclosed containment apparatus for postmortem settings. 4,876,773, 10-31-89, Cl. 27-23.100.
Wade, Jon P.; and Sodini, Charles G., to Massachusetts Institute of Technology. Three-transistor content addressable memory. 4,799,192, 1-17-89, Cl. 365-49.000.
Wade, Jon P.; and Sodini, Charles G., to Massachusetts Institute of Technology. Four transistor cross-coupled bitline content addressable memory. 4,831,585, 5-16-89, Cl. 365-49.000.
Wade, Kenneth D.: *See—*
Scott, Darwin H.; and Wade, Kenneth D., 4,828,794, Cl. 420-529.000.
Wade, Leonard. Deodorant dispenser. 4,840,773, 6-20-89, Cl. 422-124.000.
Wade, Leslie E.: *See—*
Broussard, Jerry A.; and Wade, Leslie E., 4,863,971, Cl. 518-713.000.
Wade, Lloyd E.: *See—*
Mills, Borden H.; and Wade, Lloyd E., 4,821,064, Cl. 355-3.0FU.
Wade Manufacturing Co.: *See—*
Christy, Mark H., 4,846,406, Cl. 239-542.000.
Dorrell, Paul L., 4,832,607, Cl. 434-429.000.
Wade, R. Morse: *See—*
Rawlinson, Stephen J.; Nguyen, Quang H.; and Wade, R. Morse, 4,817,048, Cl. 364-761.000.
Wade, Robert J., to General Electric Company. Directly solderable three-dimensional electrically conductive circuit components and process for the preparation thereof. 4,826,720, 5-2-89, Cl. 428-209.000.
Wade, Robert W.; Rao, Vemulapalli D. N.; and Havstad, Peter H., to Ford Motor Company. Uncooled oilless internal combustion engine having uniform gas squeeze film lubrication. 4,846,051, 7-11-89, Cl. 92-127.000.
Wade, Stephen E. Device for enabling time-integrated measurement of substances in biological fluids. 4,798,207, 1-17-89, Cl. 128-632.000.
Wade, Susan E.: *See—*
Georgi, Jay R.; and Wade, Susan E., 4,850,305, Cl. 119-1.000.
Wade, Ted R. Vehicle speed monitoring and logging means. 4,843,578, 6-27-89, Cl. 364-565.000.
Wade, Thelma L.: *See—*
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Wade, Bill R.; and Wade, Thelma L., 4,828,866, Cl. 426-599.000.
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Wade, Wallace R., to Ford Motor Company. Diesel fuel injection pump with variable injection timing. 4,861,243, 8-29-89, Cl. 417-499.000.
Wade, Wallace R.: *See—*
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Wade, William D., to Lockheed Missiles & Space Company, Inc. Radio-frequency reflective fabric. 4,868,580, 9-19-89, Cl. 343-912.000.

- Wade, William L., Jr.: *See—*
  - Binder, Michael; Walker, Charles W., Jr.; Mammone, Robert J.; Wade, William L., Jr.; and Gilman, Sol, 4,816,080, Cl. 134-10.000.
- Wadell, Brian C., to Teradyne, Inc. Shielded enclosure. 4,864,077, 9-5-89, Cl. 174-35.00R.
- Wadell Equipment Company, Inc.: *See—*
  - Sansone, Reno D., 4,881,309, Cl. 29-27.00A.
- Wadell, Goran: *See—*
  - Karlsson, Karl-Anders; Norrby, Erling; and Wadell, Goran, 4,859,769, Cl. 536-53.000.
- Wadell, Lars G. A., to Nestec S.A. Process for coating foodstuffs with particulate material. 4,808,424, 2-28-89, Cl. 426-289.000.
- Wadell, Lars G. A.: *See—*
  - Svengren, Anders G.; and Wadell, Lars G. A., 4,828,862, Cl. 426-501.000.
- Wadhwani, Suresh K.: *See—*
  - Cooper, David; Wadhwani, Suresh K.; and Praamsma, Michael, 4,846,249, Cl. 160-345.000.
- Wadkin plc: *See—*
  - Robson, Thomas, 4,856,569, Cl. 144-91.000.
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- Wadley Technologies, Inc.: *See—*
  - Dorn, Gordon L.; Fleming, William H.; and Knezek, Karen L., 4,847,128, Cl. 435-34.000.
  - Khan, Amanullah, 4,851,510, Cl. 530-387.000.
- Wadlington, James C., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Electronic ringing signal generator. 4,866,587, 9-12-89, Cl. 363-16.000.
- Wadlow, David, to BOC Group, Inc., The. Process and apparatus for analyzing a gaseous mixture and a visible emission spectrum generator therefor. 4,801,209, 1-31-89, Cl. 356-417.000.
- Wadstein, Jan: *See—*
  - Andersson, Ingvar; and Wadstein, Jan, 4,798,595, Cl. 604-174.000.
- Wadsworth, Harry J.: *See—*
  - Orlek, Barry S.; Hadley, Michael S.; Wadsworth, Harry J.; and Rosenberg, Howard E., 4,870,081, Cl. 514-299.000.
- Wadsworth, Thomas P., to Chemi-Trol Chemical Company. Tubeless tire valve stem inserter. 4,807,343, 2-28-89, Cl. 29-221.500.
- Waeber, Bernard; and Brunner, Hans R., to Debiopharm, S.A. Preparation containing hexatriacontapeptides and methods of use. 4,839,343, 6-13-89, Cl. 514-12.000.
- Waechter, Manfred: *See—*
  - Driscoll, Carleton D.; Najm, Elie M.; and Waechter, Manfred, 4,812,959, Cl. 363-20.000.
- Waelti, Werner, to Tschudin Werkzeugmaschinenfabrik. Process and device for grinding moulding blanks to size. 4,827,673, 5-9-89, Cl. 51-165.750.
- Waelti, Werner, to Tschudin Werkzeugmaschinenfabrik. Process and device for producing turned parts from rods or bars. 4,841,682, 6-27-89, Cl. 51-289.00R.
- Waeschle Maschinenfabrik GmbH: *See—*
  - Hoppe, Hans; Breucker, Theodor; Ernst, Reinhard; and Storf, Robert, 4,859,067, Cl. 366-341.000.
  - Lubbehusen, Paul; Eberhard, Norbert; and Hoppe, Hans, 4,861,200, Cl. 406-14.000.
  - Siegel, Wolfgang; Eck, Reinhold; Heep, Dieter; and Vogel, Paul, 4,823,993, Cl. 222-345.000.
- Waespe, Hans-Rudolf, to Ciba-Geigy Corporation. Pesticidal diphenylethylene derivatives. 4,876,270, 10-24-89, Cl. 514-439.000.
- Waespe, Hans-Rudolf: *See—*
  - Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,812,464, Cl. 514-333.000.
  - Farooq, Saleem; Ehrenfreund, Josef; and Waespe, Hans-Rudolf, 4,870,184, Cl. 546-264.000.
- Wafer, Don B.: *See—*
  - Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C.; and Wafer, Don B., 4,848,777, Cl. 277-188.00A.
- WaferScale Integration, Inc.: *See—*
  - Eitan, Boaz, 4,795,719, Cl. 437-43.000.
  - Eitan, Boaz, 4,868,629, Cl. 357-45.000.
- Wafford, Terrell F.: *See—*
  - Carlin, Frank J.; and Wafford, Terrell F., 4,796,928, Cl. 285-334.000.
  - Carlin, Frank J.; and Wafford, Terrell F., 4,838,068, Cl. 72-340.000.
- Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, to Nippon Telegraph & Telephone Public Corporation. Coated optical fiber, fabrication process thereof and fabrication apparatus thereof. 4,801,186, 1-31-89, Cl. 350-96.300.
- Wagatsuma, Mitsuyoshi: *See—*
  - Ohshiro, Susumu; Senuma, Masaru; and Wagatsuma, Mitsuyoshi, 4,866,170, Cl. 540-335.000.
- Wagatsuma, Yoshihiko: *See—*
  - Hongo, Akihito; Shiota, Tsuneo; Nishida, Shigeo; Miyagi, Mitsunobu; and Wagatsuma, Yoshihiko, 4,875,218, Cl. 372-64.000.
- Wagberg, Lars E. R.; and Lindstrom, Tom S. C., to Svenska Traforskningsinstitutet. Method of making paper with high filler content. 4,824,523, 4-25-89, Cl. 162-164.100.
- Wageman, Arthur R. String attaching device for arrows. 4,846,481, 7-11-89, Cl. 273-416.000.
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Wakai, Masao: *See—*

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Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,801,650, Cl. 525-194.000.

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Sainen, Tsutomu; and Wakamatsu, Kensuke, 4,843,290, Cl. 318-603.000.

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Fujikawa, Yoshihiro; Wakamatsu, Masazumi; Fukui, Mariko; and Miyasaka, Tadashi, 4,841,068, Cl. 548-365.000.

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Ouchi, Tomonori; Wakamatsu, Otsuro; Kawanishi, Hiroshi; and Yasui, Masao, 4,853,495, Cl. 178-18.000.

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Imade, Shinichi; Shionoya, Kazunori; Ikuta, Eishi; Taguchi, Koji; Nishiyama, Toyoo; Wakamatsu, Seiichi; and Nagasaki, Tatsuo, 4,880,011, Cl. 128-662.060.

Wakamiya, Katsutoshi: *See—*

Matsumoto, Toru; Koshio, Toshiyuki; Goseki, Yasuhide; Ushiyama, Hisayuki; Yamazaki, Masuo; Ohsaki, Ichiro; Nakahara, Toshiaki; Kurimoto, Junichi; and Wakamiya, Katsutoshi, 4,888,264, Cl. 430-137.000.

Wakamiya, Koichi, to Nikon Corporation. Inverted galilean telescope type viewfinder system capable of changing over the magnification. 4,832,470, 5-23-89, Cl. 350-453.000.

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Sousa, Toshio; Wakamiya, Koichi; Wakabayashi, Hiroshi; Kanai, Hachiro; and Miyamoto, Hidenori, 4,871,242, Cl. 350-431.000.

Wakamiya, Masayuki: *See—*

Hase, Hiroyuki; Tokuono, Shinya; and Wakamiya, Masayuki, 4,823,617, Cl. 73-862.360.

Yamashita, Ichiro; Wakamiya, Masayuki; Hase, Hiroyuki; and Tokuono, Shinya, 4,812,758, Cl. 324-209.000.

Wakamiya, Stanley K.; Blake, Fred S.; and Kurtz, John O., to Westinghouse Electric Corp. Tactile retrieval and insertion and method for electronic components in through-hole printed circuit boards. 4,833,776, 5-30-89, Cl. 29-837.000.

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Hirata, Haruhisa; Okada, Hirosuke; and Negoro, Seiji, 4,861,718, Cl. 435-207.000.

Sawaki, Shohei; Ootake, Yasuhiro; Hashimoto, Terumasa; Abe, Tooru; and Horio, Yoshihiro, 4,795,754, Cl. 514-381.000.

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Matsuda, Shuzou; Naitou, Satoomi; and Wakano, Takahiro, 4,861,624, Cl. 427-81.000.

Wakano, Teruo: *See—*

Konishi, Akira; and Wakano, Teruo, 4,823,234, Cl. 361-386.000.

Wakaoka, Shunso: *See—*

Sekimoto, Isao; Mihara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, 4,805,299, Cl. 29-796.000.

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Wakasa, Fumio, to Hitachi, Ltd. Spot network type power receiving and transforming protective apparatus. 4,873,601, 10-10-89, Cl. 361-64.000.

Wakasa, Yasuyuki: *See—*

Tutamune, Hirotaka; Shiragai, Yasuo; Karino, Yoshiaki; and Wakasa, Yasuyuki, 4,884,698, Cl. 209-534.000.

Wakashima, Takashi: *See—*

Hasegawa, Masamitsu; Tamura, Satoshi; Wakashima, Takashi; and Sugiyama, Isao, 4,877,678, Cl. 428-216.000.

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Wakasugi, Tomio: *See—*

Yonekura, Takanori; and Wakasugi, Tomio, 4,820,969, Cl. 324-57.00R.

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Sugimoto, Masahiro; Wakasugi, Yasumasa; and Harada, Shigeki, 4,803,546, Cl. 357-81.000.

Wakat, George H., to Applied Ultralight Technologies, Inc. Lightweight fired building products. 4,885,203, 12-5-89, Cl. 428-220.000.

Wakata, Hideo; Imoto, Yuzo; Takei, Toshihiro; and Hattori, Yoshiyuki, to Nippondenso Co., Ltd. Vehicular drive control system. 4,796,957, 1-10-89, Cl. 303-116.000.

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Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakata, Yuichi; and Iwakura, Ken, 4,835,133, Cl. 503-210.000.

Wakatake, Koichi, to Mitsubishi Chemical Industries Limited. Automatic analytical apparatus. 4,834,944, 5-30-89, Cl. 422-64.000.

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Kobayashi, Masanori; Matsuura, Isao; Wakatsuki, Akira; and Shida, Yu, 4,861,816, Cl. 524-204.000.

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Wakatsuki, Junya; Sano, Tomohiko; and Kurosaki, Tomihiro, to Kao Corporation. Detergent composition. 4,812,254, 3-14-89, Cl. 252-135.000.

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Sakaguchi, Masaaki; and Wakatsuki, Keisuke, 4,828,197, Cl. 242-67.10R.

Sakaguchi, Masaaki; Usui, Mitsunobu; Chikamasa, Hiroshi; Wakatsuki, Keisuke; and Kiuchi, Seiji, 4,844,370, Cl. 242-67.10R.

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Tanaka, Shigeo; Sakai, Jiro; Fukao, Tomohisa; Wakatsuki, Kizuku; and Wakamatsu, Kazuki, 4,883,842, Cl. 525-240.000.

Wakatsuki, Noboru: *See—*

Fujiwara, Yoshiro; Endo, Michiko; Kojima, Yuji; Wakatsuki, Noboru; Hirano, Akira; and Komenou, Kazunari, 4,810?65, Cl. 324-208.000.

Wakatsuki, Takashi: *See—*

Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.

Wakatsuki, Tomio: *See—*

Umemoto, Hitoo; and Wakatsuki, Tomio, 4,800,943, Cl. 157-1.170.

Wakatsuki, Yoshihiro: *See—*

Shinohara, Kenji; Niwa, Takashi; and Wakatsuki, Yoshihiro, 4,883,929, Cl. 200-5.00R.

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Shimizu, Giichiro; Okuyama, Toshiharu; and Wakatsuki, Yoshio, 4,852,264, Cl. 33-832.000.

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Wakatuki, Yuji: *See—*

Takeda, Yukimasa; and Wakatuki, Yuji, 4,812,622, Cl. 219-400.000.

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Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, 4,815,431, Cl. 123-196.0AB.

Wakayama, Sachio: *See—*

Katoh, Noboru; Sakuma, Shuzo; Sato, Shiego; Wakayama, Sachio; and Nozaki, Hisashi, 4,816,279, Cl. 426-513.000.

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Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.

Wakayama, Shigeru; and Miura, Akira, to Kabushiki Kaisha Toshiba. Method and apparatus for forming thin organic film. 4,848,270, 7-18-89, Cl. 118-402.000.

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Fujii, Masaki; and Wakayama, Tatsuo, 4,834,910, Cl. 252-511.000.

Wake Forest University: *See—*

Bridle, Kenneth A.; and Jaffe, Mordecai J., 4,818,274, Cl. 71-106.000.

Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,801,532, Cl. 435-7.000.

Kuhn, Raymond E.; Estrada, John J.; and Grogl, Max, 4,855,408, Cl. 530-350.000.

Wake, Ronald W.; Reithel, Sibylle L.; and McGuckin, Hugh G., to Eastman Kodak Company. Color filter array. 4,876,166, 10-24-89, Cl. 430-7.000.

Wake, Warren K. Stored program controlled system for creating and printing graphics bearing packaging. 4,796,201, 1-3-89, Cl. 364-518.000.

Wakefield, Edward H., to Eastman Kodak Company. Mount for an optical element including a holder with a generally semicylindrical surface. 4,863,243, 9-5-89, Cl. 350-321.000.
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Wakefield, Peter D., to Delfield Precision Engineering Limited. Golf club measuring device. 4,875,293, 10-24-89, Cl. 33-508.000.
Wakelin, Thomas C. V. Box for storing thin objects. 4,798,284, 1-17-89, Cl. 206-45.150.
Wakeman, Anthony C.; Ironside, John M.; Holmes, Michael; and Barnard, Simon C., to Lucas Industries public limited company. Method and apparatus for controlling an internal combustion engine. 4,843,556, 6-27-89, Cl. 364-431.080.
Wakeman, Russell, to Allied-Signal Inc. Idle control valve for use with a throttle assembly of an internal combustion engine. 4,796,580, 1-10-89, Cl. 123-339.000.
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  Sapienza, Samuel J., IV; van Vuuren, Willem N. J.; Shirey, Benjamin G.; and Wakeman, Russell J., 4,878,461, Cl. 123-90.150.
Wakeman, Thomas G.: *See—*
  Hauser, Ambrose A.; Wakeman, Thomas G.; Strock, William J.; and Morris, David B., 4,863,352, Cl. 416-204.00R.
  Lievestro, Louis; Kelm, James S.; Ludwig, Arthur L.; Maclin, Harvey M.; and Wakeman, Thomas G., 4,796,423, Cl. 60-39.330.
Waki, Kiyotaka: *See—*
  Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, Cl. 427-98.000.
Waki, Kokichi, to Fuji Photo Film Co., Ltd. Silver halide color photographic materials. 4,830,956, 5-16-89, Cl. 430-558.000.
Waki, Masaharu: *See—*
  Arakawa, Satoshi; Waki, Masaharu; and Mori, Nobufumi, 4,863,826, Cl. 430-138.000.
Waki, Osamu: *See—*
  Kouchi, Takeshi; Kashiwabara, Houichiro; Waki, Osamu; and Ohe, Koji, 4,868,719, Cl. 362-61.000.
Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, to Lonseal Corporation. Hard polyvinyl chloride resin composition and open-cell foam made of said composition. 4,797,426, 1-10-89, Cl. 521-93.000.
Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, to Lonseal Corporation. Open cell body made of hard vinyl chloride resin. 4,800,214, 1-24-89, Cl. 521-84.100.
Wakihira, Koichiro; Katsuta, Michitaka; Hino, Masayasu; and Sasayama, Toshio, to Kabushiki Kaisha Kobe Seiko Sho. Drill for drilling a thin plate. 4,878,788, 11-7-89, Cl. 408-230.000.
Wakikaido, Takahiro: *See—*
  Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, 4,811,050, Cl. 355-3.0CH.
Wakim, Michael J., to Northern Telecom Limited. Infrared hookswitch for a telephone. 4,847,900, 7-11-89, Cl. 379-424.000.
Wakimoto, Akihiko, to Mitsubishi Denki Kabushiki Kaisha. Data receiving system. 4,815,111, 3-21-89, Cl. 375-114.000.
Wakimoto, Kazumasa; Shibata, Motohiro; Ishii, Takaharu; and Sakurai, Masaaki, to Nippon Kokan Kabushiki Kaisha. Method for controlling operation of a blast furnace. 4,857,106, 8-15-89, Cl. 75-41.000.
Wakimoto, Kazumasa: *See—*
  Oono, Yotaro; Saito, Hiroshi; Miyamoto, Takehiko; Wakimoto, Kazumasa; Kawada, Hitoshi; and Matsuura, Masahiro, 4,844,737, Cl. 75-42.000.
Wakimoto, Tsutomu; and Akazawa, Yukio, to Nippon Telegraph and Telephone Corporation. Wideband amplifier. 4,885,548, 12-5-89, Cl. 330-260.000.
Wakimoto, Yasuo. Color changeable photo-decorative pencil torch. 4,858,083, 8-15-89, Cl. 362-101.000.
Wakimoto, Zenji; Nagata, Shinichi; and Katsuyama, Mikizo, to Dainippon Screen Mfg. Co., Ltd. Optical system for flying spot scanning apparatus. 4,852,957, 8-1-89, Cl. 350-6.600.
Wakimoto, Zenji; and Hayashi, Takahisa, to Dainippon Screen Mfg. Co., Ltd. Telecentric image-forming system having varible magnifications. 4,867,545, 9-19-89, Cl. 350-415.000.
Wakimura, Kazuo: *See—*
  Hiai, Atsuhiko; Wakimura, Kazuo; Tanaka, Masao; and Tanaka, Takao, 4,869,925, Cl. 427-96.000.
  Iwao, Tetsuya; Toyoda, Yoshiaki; Wakimura, Kazuo; Kitano, Nobuhiro; and Tanaka, Masao, 4,810,482, Cl. 423-347.000.
Wakio, Hiroshi: *See—*
  Torii, Nobutoshi; Ito, Susumu; Wakio, Hiroshi; and Iwasaki, Kyoji, 4,836,048, Cl. 74-608.000.
Wakisaka, Kenichiro: *See—*
  Takeuchi, Masaru; Gotoh, Kazuyuki; Wakisaka, Kenichiro; Honma, Kazuhiko; Fukatsu, Takeo; Nakano, Shoichi; and Kuwano, Yukinori, 4,885,226, Cl. 430-65.000.
Wakisaka, Yoshiaki: *See—*
  Kaneko, Shinji; Takanashi, Kenji; and Wakisaka, Yoshiaki, 4,802,026, Cl. 360-36.200.
Wakita, Naomasa, to NGK Spark Plug Co., Ltd. Stacked type piezoelectric actuator. 4,885,498, 12-5-89, Cl. 310-328.000.
Wakita, Nobuaki: *See—*
  Chino, Yoshiharu; Wakita, Nobuaki; Hibino, Masaru; Ikeya, Taro; Kanesaka, Toshiro; and Takeuchi, Kazuo, 4,825,825, Cl. 123-195.00C.
Wakita, Saburo; and Hoshi, Junji, to Mitsubishi Kinzoku Kabushiki Kaisha. Method of manufacturing castings of active metal or alloy thereof having unidirectional solidification structure. 4,867,224, 9-19-89, Cl. 164-80.000.
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  Yabuki, Ritsue; and Wakita, Saburo, 4,888,153, Cl. 420-57.000.
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  Nakagawa, Katsuya; Eguchi, Kazumasa; Nakatani, Fumio; Wakita, Shinichi; Murakami, Hisatoshi; and Terada, Tsunehiko, 4,801,489, Cl. 428-209.000.
Wakita, Shoichi; and Hirasawa, Shigemi, to Hitachi, Ltd.; and Hitachi Device Engineering Co., Ltd. Internal magnetic shield support apparatus for color picture tube. 4,857,795, 8-15-89, Cl. 313-402.000.
Wakitani, Masayuki: *See—*
  Sato, Seii; Wakitani, Masayuki; Hasegawa, Tadashi; Miura, Shoshin; Andoh, Shizuo; Takizawa, Hideaki; Kobayashi, Tetsuya; Takahara, Kazuhiro; Kawada, Toyoshi; Hoshiya, Takayuki; and Kisumi, Shintaro, 4,807,047, Cl. 358-300.000.
Wakiya, Michio; and Kono, Hiromi, to Diesel Kiki Co., Ltd. Hydraulic actuator for automobiles. 4,813,335, 3-21-89, Cl. 91-361.000.
Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, to Nippon Steel Corporation; Toyota Jidosha Kabushiki Kaisha; and Nippon Kinzoku Co., Ltd. Processes for production of metallic catalyst carrier and catalytic component. 4,867,811, 9-19-89, Cl. 148-277.000.
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  Ono, Masatoshi; Mizutani, Wataru; Murakami, Hiroshi; Bando, Hiroshi; Wakiyama, Shigeru; Sakai, Fumiki; and Wakatsuki, Takashi, 4,866,271, Cl. 250-306.000.
Wakiyama, Yoshihiro; Aoyama, Takeshi; and Ohnishi, Yoshiro, to Horiba, Ltd. Method of correcting a dead time. 4,882,503, 11-21-89, Cl. 307-267.000.
Wakley, William D.: *See—*
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  Young, Grant A.; Wakley, William D.; and Andrews, Steven L., 4,876,016, Cl. 210-739.000.
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Wako Corporation: *See—*
  Yamakawa, Masami, 4,880,974, Cl. 250-216.000.
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  Tanaka, Taro; and Tanaka, Joji, 4,871,128, Cl. 242-201.000.
Wako Pure Chemical Industries, Ltd.: *See—*
  Hanada, Toshiro; and Yamanishi, Kazuhiko, 4,801,538, Cl. 435-25.000.
  Kida, Masaaki; Kitabata, Isako; Kubotsu, Kazunisa; and Sakata, Yoshitsugu, 4,861,597, Cl. 424-450.000.
  Ogata, Hiroshi; Nawa, Hiroyoshi; Tokuda, Kuniaki; and Ishihara, Masami, 4,851,572, Cl. 562-437.000.
  Sakata, Yoshitsugu; Hashidume, Kazunari; Iwata, Tsutomu; Mukai, Toyoharu; and Kida, Masaaki, 4,879,383, Cl. 544-37.000.
  Tanaka, Motoaki; Miyagawa, Tsutomu; and Takeuchi, Hideo, 4,826,959, Cl. 534-838.000.
  Tokuda, Kuniaki; Morii, Seiji; and Yamanishi, Kazuhiko, 4,879,221, Cl. 435-15.000.
  Yamanishi, Kazuhiko; and Hanada, Toshiro, 4,837,331, Cl. 548-146.000.
Wako, Soichi, to Jelco Co. Ltd. Push-button switch. 4,831,223, 5-16-89, Cl. 200-517.000.
Wako Technical Co., Ltd., both of: *See—*
  Watanabe, Ryoji, 4,826,614, Cl. 252-54.000.
Wakoh, Masamitsu: *See—*
  Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hirasuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
Wakselman, Claude: *See—*
  Francese, Catherine; Tordeux, Marc; and Wakselman, Claude, 4,803,298, Cl. 860-174.000.
  Tordeux, Marc; Wakselman, Claude; and Francese, Catherine, 4,855,460, Cl. 549-308.000.
  Tordeux, Marc; Langlois, Bernard; and Wakselman, Claude, 4,866,190, Cl. 556-111.000.
Waku, Yoshiharu; Yoshioka, Hideho; Oba, Hiroyoshi; and Fujino, Kiyoshi, to Ube Industries, Ltd. Method for coating soot on a melt contact surface. 4,879,074, 11-7-89, Cl. 264-24.000.
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  Hatayama, Haruaki; Takei, Hideo; Okabe, Takuji; Waku, Yoshiharu; and Ueno, Toyoaki, 4,860,542, Cl. 60-583.000.
Wakugawa, Jason M.; Gresko, Lawrence S.; and Brown, Kenneth M., to Hughes Aircraft Company. Lightweight silicon carbide mirror. 4,856,887, 8-15-89, Cl. 350-641.000.

Wakui, Masanori: *See—*
  Ibuki, Masahisa; Sugai, Hiroshi; and Wakui, Masanori, 4,863,754, Cl. 426-643.000.
Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, to Kawasaki Steel Corporation. Aromatic polyesters, polyesteramides, and compositions thereof. 4,851,497, 7-25-89, Cl. 528-176.000.
Wakui, Tadahiro: *See—*
  Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, 4,839,128, Cl. 264-328.100.
Wakui, Tetsuya, to Canon Kabushiki Kaisha. Recording and reproducing apparatus using recorded numeral information signals for program detection. 4,882,640, 11-21-89, Cl. 360-73.050.
Wakui, Tetsuya: *See—*
  Fukatsu, Tsutomu; Hori, Taizou; Masui, Toshiyuki; Kobayashi, Takashi; Wakui, Tetsuya; and Takahashi, Koji, 4,853,803, Cl. 360-72.200.
Wakumura, Shin-ichi, to Pioneer Electronic Corporation. Magnetic recording and reproducing device. 4,864,433, 9-5-89, Cl. 360-51.000.
Wakumura, Shinichi; and Takahashi, Tokihiro, to Pioneer Electronic Corporation. Method for recording digital data so as to avoid operational error on reproduction. 4,872,171, 10-3-89, Cl. 371-40.100.
Wakunaga Seiyaku Kabushiki Kaisha: *See—*
  Amagase, Harunobu; Arakawa, Masato; and Hashimoto, Ken, 4,863,902, Cl. 514-12.000.
  Hatono, Shunsou; Yazaki, Akira; Yokomoto, Masaharu; and Hirao, Yuzo, 4,810,422, Cl. 260-397.100.
  Hozumi, Toyoharu; and Ohshita, Yoshihiro, 4,818,623, Cl. 428-447.000.
  Miyazawa, Tatsuo; Yokoyama, Shigeyuki; and Miyake, Tetsuo, 4,879,223, Cl. 435-68.000.
  Miyoshi, Kenichi, 4,816,569, Cl. 536-29.000.
  Miyoshi, Kenichi; and Fuwa, Toru, 4,820,812, Cl. 536-27.000.
  Miyoshi, Kenichi; Suzuki, Masanori; and Fuwa, Toru, 4,849,336, Cl. 435-6.000.
  Takasugi, Naoyuki; Ushijima, Mitsuyasu; Inoue, Satoshi; and Hirata, Terukage, 4,816,481, Cl. 514-470.000.
  Yamane, Akio; Kawasoe, Tatsuro; Tsukumo, Noriko; and Miyoshi, Kenichi, 4,876,335, Cl. 536-27.000.
  Yoshida, Susumu; Nakagawa, Shizutoshi; Ushiroguchi, Tsuyoshi; Matsuura, Hiromichi; and Yazaki, Akira, 4,876,281, Cl. 514-517.000.
Wakusaka, Kazuharu: *See—*
  Yasunaga, Osamu; Wakusaka, Kazuharu; Inomata, Fumio; and Tsuchiya, Toshio, 4,878,555, Cl. 180-68.300.
Walach, Eugeniusz: *See—*
  Chevion, Dan S.; Karnin, Ehud D.; and Walach, Eugeniusz, 4,884,131, Cl. 358-88.000.
Walach, Michael: *See—*
  Frieder, Philip M.; and Walach, Michael, 4,869,588, Cl. 351-168.000.
Walaszek, Frank: *See—*
  DeGroot, Robert H.; Kropidoski, Robert; Walaszek, Frank; and Rivera, Jesus, Jr., 4,850,284, Cl. 108-56.300.
Walaszek, Zbigniew; Hanausek-Walaszek, Malgorzata; Webb, Thomas E.; and Minton, John P., to Ohio State University, The. Reduction in vivo of the inappropriate levels of endogenous and environmental-derived compounds by sustained-release inhibitors of β-glucuronidase. 4,845,123, 7-4-89, Cl. 514-473.000.
Walaszek, Zbigniew: *See—*
  Webb, Thomas E.; Schumm, Dorothy E.; Hanausek-Walaszek, Margaret; Walaszek, Zbigniew; and Lang, Raymond W., 4,871,661, Cl. 435-7.000.
Walba, David M.; and Razavi, Homaune A., to University of Colorado Foundation, Inc., The. Ferroelectric liquid crystal compounds and compositions. 4,835,295, 5-30-89, Cl. 549-557.000.
Walba, David M.: *See—*
  Eidman, Kirk F.; and Walba, David M., 4,797,503, Cl. 558-389.000.
Walber, Franz-Josef: *See—*
  Strzalko, Peter; Walber, Franz-Josef; and Wombacher, Ulrich, 4,799,133, Cl. 362-133.000.
Walbridge, David R.: *See—*
  Heller, Michael B.; Sachs, Leonard W.; and Walbridge, David R., 4,885,225, Cl. 430-160.000.
Walbridge, Van J.; and Donohue, R. Michael, to GK Technologies, Inc. Mobile aerial lift with boom structure having insulated boom section containing a clean, moisture free environment and method. 4,877,422, 10-31-89, Cl. 55-20.000.
Walbro Corporation: *See—*
  Charmley, Richard P., 4,814,114, Cl. 261-35.000.
  Miller, James K., 4,836,157, Cl. 123-187.50R.
  Miller, James K., 4,848,290, Cl. 123-187.50R.
  Tuckey, Charles H., 4,795,320, Cl. 417-360.000.
  Tuckey, Charles H., 4,807,582, Cl. 123-514.000.
  Tuckey, Charles H., 4,820,139, Cl. 418-135.000.
  Tuckey, Charles H., 4,827,768, Cl. 73-290.00R.
  Tuckey, Charles H., 4,831,990, Cl. 123-514.000.
  Tuckey, Charles H., 4,878,518, Cl. 137-448.000.
  Tuckey, Charles H., 4,878,816, Cl. 417-76.000.
  Tuckey, Charles H., 4,884,444, Cl. 73-290.00R.
Walbro Far East, Inc.: *See—*
  Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, 4,862,847, Cl. 123-187.50R.
  Kobayashi, Takeshi; Nagasaka, Kohji; and Sejimo, Yoshimi, 4,862,848, Cl. 123-187.50R.
  Nagasaka, Kohji; Kobayashi, Takeshi; and Sejimo, Yoshimi, 4,796,578, Cl. 123-378.000.
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  Sejimo, Yoshimi; Tsubai, Toshiaki; and Tobinai, Teruhiko, 4,796,582, Cl. 123-378.000.
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Walbrohl, Heinz-Theo. Knife shield driving device and method for the excavating and/or final supporting of galleries or the like. 4,830,535, 5-16-89, Cl. 405-145.000.
Walbrou, Pascal; and Cowley, Nicolas P. Frequency synthesizer comprising a tuning indicator. 4,862,105, 8-29-89, Cl. 331-1.00A.
Walburn, Douglas M.: *See—*
  Boyd, David M.; Barwick, Daniel L.; Chestnut, Dennis H.; Jones, Timothy W.; Walburn, Douglas M.; and Wilt, Larry J., 4,813,147, Cl. 33-501.030.
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Walby, Douglas R., to Hughes Aircraft Company. Pipelined bit-serial Galois Field multiplier. 4,797,848, 1-10-89, Cl. 364-754.000.
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  Bader, Hubert; Ruppel, Diether; Walch, Axel; and Magerstadt, Michael, 4,835,248, Cl. 528-328.000.
Walch, Hatto: *See—*
  Nandi, Kumaresh; Fischer, Helga; Herrmann, Wilfried; Kohne, Hans; Lahr, Wolfgang; Schmersahl, Hein U.; and Walch, Hatto, 4,855,300, Cl. 514-264.000.
Walchle, Ray W., to United States of America, Health and Human Services. Ultra-fast solid state power interrupter. 4,825,330, 4-25-89, Cl. 361-95.000.
Walcon Corp.: *See—*
  Richter, Allen R., 4,870,798, Cl. 52-528.000.
Walcott, Kenneth J.; Thompson, Neil G.; Ruck, George T.; and Helton, Steven B. Measurement of the polarized potential of buried pipeline having impressed current cathodic protection. 4,823,072, 4-18-89, Cl. 324-65.0CR.
Walczak, Bruno: *See—*
  Komp, Karl-Heinz; and Walczak, Bruno, 4,805,434, Cl. 72-282.000.
Walczak, Thomas J.; and Metroka, Michael P., to Motorola, Inc. High noise immunity input level detector with hysteresis. 4,798,975, 1-17-89, Cl. 307-350.000.
Walczak, Thomas J.; Rebeschini, Michael E.; and Schechtman, Melvin A., to Motorola, Inc. Instantaneous deviation limiter with pre-emphasis and zero average value. 4,802,236, 1-31-89, Cl. 455-110.000.
Wald, Richard D. Roofing paper applicator. 4,806,194, 2-21-89, Cl. 156-379.800.
Wald, Richard D. Method for applying heated roofing paper. 4,869,044, 9-26-89, Cl. 52-746.000.
Waldau, Eckart: *See—*
  Frosch, Hans-Georg; Grave, Heinrich; Stutz, Herbert; Waldau, Eckart; and Fuhrmann, Peter, 4,847,408, Cl. 560-347.000.
Waldbusser, Edwin, to Memory Metals, Inc. Emergency valve with test capability. 4,848,388, 7-18-89, Cl. 137-80.000.
Walde, Michael; and Zejda, Jaroslav, to Leybold-Heraeus GmbH. Apparatus for passing workpieces into and out of a coating chamber through locks. 4,820,106, 4-11-89, Cl. 414-217.000.
Waldecker, Donald E. Methods and apparatus for quickly erecting a vehicle barrier across a roadway. 4,824,282, 4-25-89, Cl. 404-6.000.
Waldecker, Ralf: *See—*
  Sprang, Rudiger; and Waldecker, Ralf, 4,817,925, Cl. 267-140.100.
Waldele, Franz: *See—*
  Kunzmann, Horst; Schepperle, Karl; Trieb, Gerhard; and Waldele, Franz, 4,819,339, Cl. 33-503.000.
Waldemann, Rudolf: *See—*
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Walden, Charles R., Jr.: *See—*
  Chuba, Christian J.; Walden, Charles R., Jr.; Grecco, Joseph J.; and Feinstein, Jeffrey I., 4,849,688, Cl. 324-78.00R.
  Zwick, Nicholas; Walden, Charles R., Jr.; Francz, Louis J.; and Gerbehy, Jay L., 4,852,149, Cl. 379-67.000.
Walder, James W.; and Malone, Jimmy E. Fire extinguishing system. 4,830,116, 5-16-89, Cl. 169-65.000.
Walden, John: *See—*
  Becker, Mitchell; and Walden, John, 4,795,818, Cl. 549-260.000.
Walden, Robert H.: *See—*
  Larson, Lawrence E.; Jensen, Joseph F.; Walden, Robert H.; and Schmitz, Adele E., 4,872,010, Cl. 341-134.000.
Walden, William E.; and Deme, J. Howard. Vehicle positioning indicator device. 4,870,413, 9-26-89, Cl. 340-932.200.
Waldenberger, Dean H., to Norton Company. Double sided adhesive tape. 4,839,206, 6-13-89, Cl. 428-40.000.
Waldenrath, Werner: *See—*
  Dziurla, Heinz-Jurgen; Weber, Hans-Leo; Freitag, Dieter; and Waldenrath, Werner, 4,859,263, Cl. 156-233.000.
  Dziurla, Heinz-Jurgen; Freitag, Dieter; Waldenrath, Werner; Burkhardt, Claus; and Schulte, Bernhard, 4,876,033, Cl. 252-511.000.
  Jonas, Friedrich; and Waldenrath, Werner, 4,888,243, Cl. 428-411.100.
  Wank, Joachim; Waldenrath, Werner; and Hombach, Rudolf, 4,806,412, Cl. 428-203.000.

Wank, Joachim; Waldenrath, Werner; and Reese, Eckart, 4,828,901, Cl. 428-76.000.
Waldes Truarc, Inc.: *See—*
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  Killian, Edmund F.; and Berliner, Wallace H., 4,886,408, Cl. 411-519.000.
Waldhauer, Fred D.; and Baez, Carlos A., to Resound Corporation. Variolosser. 4,808,945, 2-28-89, Cl. 330-254.000.
Waldhauer, Fred D.; and Baez, Carlos A., to Resound Corporation. Variolosser. 4,868,517, 9-19-89, Cl. 330-254.000.
Waldhauer, Fred D., to Resound Corporation. Low voltage programmable compressor. 4,882,761, 11-21-89, Cl. 381-106.000.
Waldhauer, Fred D., to Resound Corporation. Multi-band programmable compression system. 4,882,762, 11-21-89, Cl. 381-106.000.
Waldhauser, Steven J. A., to Tennant Company. Scrubber squeegees for scrubbing forward and backward. 4,817,233, 4-4-89, Cl. 15-320.000.
Waldhelm, Christian M.: *See—*
  Cang, John N.; Gast, Joseph R.; Hensley, John J.; and Waldhelm, Christian M., 4,874,290, Cl. 415-173.400.
  Hensley, John J.; Waldhelm, Christian M.; Tohill, Henry J.; and Kubarych, Kenneth G., 4,878,678, Cl. 277-235.00A.
Waldherr, Arthur. Hacksaw frame and blade holder. 4,835,869, 6-6-89, Cl. 30-507.000.
Waldman, Frank: *See—*
  Murthy, Kucri S.; Harris, Michael R.; Hokanson, Gerard C.; Reisch, Robert G., Jr.; Fawzi, Mahdi B.; and Waldman, Frank, 4,830,853, Cl. 424-440.000.
Waldman, Harold L.; Green, Charles B.; Fowler, A. Frederick; and Farr, William F., to International Paper Company. Washable and disposable bib and fabric for manufacturing same. 4,811,428, 3-14-89, Cl. 2-49.00R.
Waldman, Harvey: *See—*
  Fedele, Nicola J.; Acampora, Alfonse A.; Bunting, Richard M.; and Waldman, Harvey, 4,831,439, Cl. 358-133.000.
Waldman, Michael I. Multiline telephone answering system and interface therefor. 4,860,338, 8-22-89, Cl. 379-68.000.
Waldman, Myron R.; and Kressey, Matthew S., to WST Power Electronics, Inc. Cooling wheel for annealing wire. 4,863,145, 9-5-89, Cl. 266-109.000.
Waldmann, Herman: *See—*
  Cobbold, Stephen P.; and Waldmann, Herman, 4,841,025, Cl. 530-387.000.
Waldmann, Juergen: *See—*
  Schulz, Paul; Witthaus, Martin; and Waldmann, Juergen, 4,801,401, Cl. 252-358.000.
  Schulz, Paul; Waldmann, Juergen; Carduck, Franz-Josef; Witthaus, Martin; and Schmadel, Edmund, 4,832,866, Cl. 252-321.000.
Waldmann, Karl: *See—*
  Brindopke, Gerhard; Walz, Gerd; Waldmann, Karl; Schon, Manfred; and Kleiner, Hans-Jerg, 4,871,822, Cl. 526-271.000.
Waldmann, Peter J.: *See—*
  Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., 4,805,542, Cl. 108-150.000.
  Peterson, Warren J.; Warner, Charles E.; and Waldmann, Peter J., 4,828,208, Cl. 248-188.200.
Waldmeier, Peter: *See—*
  von Sprecher, Georg; and Waldmeier, Peter, 4,863,938, Cl. 514-349.000.
Waldner, Adrian; and Meyer, Willy, to Ciba-Geigy Corporation. 4-azasaccharines, 4-aza-dihydro- or -tetrahydro-saccharines. 4,889,933, 12-26-89, Cl. 546-114.000.
Waldner, Charles, to United Foam Plastics Corporation. Packing device having support tab. 4,840,277, 6-20-89, Cl. 206-523.000.
Waldner, Gerhard: *See—*
  Schulz, Manfred; Wagemann, Alfred; and Waldner, Gerhard, 4,800,315, Cl. 310-261.000.
Waldner, Kurt: *See—*
  Daniel, Podlesny B.; Lopez, Ralph; and Waldner, Kurt, 4,794,694, Cl. 30-169.000.
  Patton, Charles D.; and Waldner, Kurt, 4,809,054, Cl. 357-70.000.
Waldner, Paul R.: *See—*
  Alzmann, Donald; Angelo, Michael; Waldner, Paul R.; and Brady, Arthur, 4,829,375, Cl. 358-101.000.
Waldo, Patricia J. Cushioning bite plate adapter for x-ray film holder. 4,815,117, 3-21-89, Cl. 378-168.000.
Waldock, Kevin H.; and Wasson, Daniel A., to CBS Explosives Pty Limited. Explosive composition. 4,875,950, 10-24-89, Cl. 149-21.000.
Waldorf Corporation: *See—*
  Mode, Duane R., 4,820,893, Cl. 219-10.55E.
  Mode, Duane R., 4,871,111, Cl. 229-104.000.
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Waldorf, Ronald A. Infrared/video electronystagmographic apparatus. 4,815,839, 3-28-89, Cl. 351-210.000.
Waldren, Jonathan D., to W. Industries Limited. Method and apparatus for the perception of computer-generated imagery. 4,884,219, 11-28-89, Cl. 364-514.000.
Waldron, David C. Hands-free level indicating device. 4,829,676, 5-16-89, Cl. 33-372.000.
Waldron, Fay L. Earring device for suspending a variety of charms or the like. 4,803,852, 2-14-89, Cl. 63-13.000.
Waldron, Robert D., to Hydro Fuels, Inc. Systems for deviating and (optionally) converging radiation. 4,867,514, 9-19-89, Cl. 350-1.100.

Waldrop, James R.; and Grant, Ronald W., to Rockwell International Corporation. Nonalloyed ohmic contacts for n type gallium arsenide 4,833,042, 5-23-89, Cl. 428-641.000.
Waldrum, John E. Aspirator tray. 4,844,345, 7-4-89, Cl. 239-121.000.
Waldschmidt, William L.: *See—*
  Welch, Dennis E.; and Waldschmidt, William L., 4,811,569, Cl. 62-239.000.
Waldvogel, Jerry L. Fishing hook-leader holder. 4,835,901, 6-6-89, Cl. 43-57.100.
Wale, Dennis H.; and Reynolds, Paul A., to Marwin Cutting Tools Limited. Mounting of tool blades. 4,843,928, 7-4-89, Cl. 82-131.000.
Walega, William: *See—*
  Becka, Michael M.; and Walega, William, 4,879,778, Cl. 12-146.00D.
Walensky, Loren J.: *See—*
  Manion, Michael C.; Walensky, Loren J.; and Walker, Francis J. 4,838,168, Cl. 102-522.000.
Walenta, Rainer; Muller-Peddinghaus, Reiner; Ban, Ivan; Wurl, Michael; and Preuschoff, Ulf, to Kali-Chemie Pharma GmbH. Flavone-3-carboxylic acids compounds and pharmaceutical compositions containing them. 4,886,806, 12-12-89, Cl. 514-253.000.
Walenty, Allen J.; and Leppek, Kevin G., to General Motors Corporation. Add-on vehicle wheel slip controller. 4,835,695, 5-30-89, Cl. 364-426.020.
Wales, Denis: *See—*
  McCoy, Kenneth; Edwards, Neil; Wasley, Robert; and Wales, Denis, 4,862,146, Cl. 340-605.000.
Wales, R. Langdon; and Crowley, H. W., to Automation, Inc. Ink monitor system. 4,796,782, 1-10-89, Cl. 222-57.000.
Wales, R. Langdon; and Crowley, H. W., to Automation, Inc. Method and apparatus for weighing material. 4,828,056, 5-9-89, Cl. 177-145.000.
Wales, R. Langdon; and Crowley, H. W. Touch screen input system. 4,851,616, 7-25-89, Cl. 178-18.000.
Wales, R. Langdon; and Crowley, H. W., to Automation, Inc. Ink monitor system. 4,852,604, 8-1-89, Cl. 137-392.000.
Wales, R. Langdon: *See—*
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Walex Products Company: *See—*
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Walgan Corporation: *See—*
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Walgen Corporation: *See—*
  Sugarman, Edward D.; D'Antonio, Nicholas F.; and D'Antonio, Nicholas J., 4,858,620, Cl. 128-774.000.
Walgren, Susan M.: *See—*
  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,827,940, Cl. 128-642.000.
  Mayer, David W.; Gilman, Byron L.; Walgren, Susan M.; and Berglund, June M., 4,876,109, Cl. 427-2.000.
Waling, Leroy A.: *See—*
  Adams, William V.; Avard, Duane A.; and Waling, Leroy A. 4,795,168, Cl. 277-80.000.
Walinski, Edward L.: *See—*
  Antonini, Joseph; and Walinski, Edward L., 4,844,485, Cl. 277-153.000.
Walk, Hansjorg; and Wagener, Heinz J., to Keiper Recaro GmbH & Co. Hinge joint for the seats of automotive vehicles and the like 4,828,322, 5-9-89, Cl. 297-362.000.
Walk, Hansjorg, to Keiper Recaro GmbH & Company. Hinge joint for use in the seats of motor vehicles. 4,874,204, 10-17-89, Cl. 297-362.000.
Walk, Howard J.; and Hern, Gregory L., to Baker Hughes Incorporated. Flow through raise boring bit. 4,832,135, 5-23-89, Cl. 175-53.000.
Walk, Johann; and Reeber, Rudolf, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Device for the removal of fiber material by suction. 4,813,103, 3-21-89, Cl. 19-80.00F.
Walk, Johann, to Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Device for the stripping of fiber bales. 4,827,572, 5-9-89, Cl. 19-89.00R.
Walk, Johann: *See—*
  Kriechbaum, Kurt; Walk, Johann; Landwehrkamp, Hans; and Reeber, Rudolf, 4,845,812, Cl. 19-80.00R.
Walk, Ralph: *See—*
  Buck, Robert J.; Walk, Ralph; and Zaveri, Pradhuman S. 4,849,874, Cl. 363-91.000.
  Magalhaes, Frank M.; Ostapiak, Roman; Walk, Ralph; and Zaveri, Norman G., 4,814,962, Cl. 363-16.000.
Walker, Alan, to United States of America, Air Force. Turbine nozzle mounting arrangement. 4,883,405, 11-28-89, Cl. 415-137.000.
Walker, Alan H.; Lewis, Bradley W.; and Bozack, Thomas J., to NCR Corporation. Unidirectional ribbon drive mechanism. 4,850,725, 7-25-89, Cl. 400-236.200.
Walker, Alan H.: *See—*
  Brull, Robert A.; Bullivant, Robert F.; Del Signore, James R. II and Walker, Alan H., 4,818,132, Cl. 400-708.000.
  Brull, Robert A.; and Walker, Alan H., 4,867,590, Cl. 400-352.000.
Walker, Alvin M.; and Tighe, Charles E., to Walker Marketing Inc. Nail polish remover container. 4,819,672, 4-11-89, Cl. 132-75.000.
Walker, Andrew G., to United Kingdom Atomic Energy Authority. Bioreactor having cells in beads in a matrix. 4,833,081, 5-23-89, Cl. 435-182.000.

Walker, Andrew M.: *See—*
  Dinwoodie, John; Stacey, Martyn H.; Taylor, Michael D.; and Walker, Andrew M., 4,818,633, Cl. 428-614.000.
Walker, Andrew R., to Spectros Limited. Charged particle energy analyzer. 4,810,879, 3-7-89, Cl. 250-305.000.
Walker, Arthur H., to SpaceLabs, Inc. Airway adapter. 4,852,583, 8-1-89, Cl. 128-716.000.
Walker, Campbell F.: *See—*
  John, Glyn R.; Tury, Bernard; and Walker, Campbell F., 4,865,647, Cl. 106-14.150.
Walker, Charles: *See—*
  Walker, Howard; and Walker, Charles, 4,838,550, Cl. 273-86.00R.
Walker, Charles R. S.: *See—*
  McLean, Kenneth W.; Kuhfus, Gerd; and Walker, Charles R. S., 4,887,972, Cl. 439-137.000.
Walker, Charles S., to Honeywell, Inc. Following voltage/current regulator. 4,814,687, 3-21-89, Cl. 323-275.000.
Walker, Charles S., to Honeywell, Inc. Automatic overvoltage protection circuit. 4,815,052, 3-21-89, Cl. 363-87.000.
Walker, Charles S., to Honeywell, Inc. Object detector with feedback which holds constant the product of the transmitter coil current and frequency to maintain constant sensor voltage output. 4,868,499, 9-19-89, Cl. 324-225.000.
Walker, Charles S., to Honeywell Inc. MOSFET turn-on/off circuit. 4,877,982, 10-31-89, Cl. 307-571.000.
Walker, Charles S., to Honeywell Inc. Precision noise spike elimination circuit for pulse width modulators and PWM inverters. 4,887,021, 12-12-89, Cl. 323-279.000.
Walker, Charles S., to Honeywell Inc. Noise spike elimination circuit for pulse width modulators. 4,890,021, 12-26-89, Cl. 307-572.000.
Walker, Charles W., Jr.: *See—*
  Binder, Michael; Walker, Charles W., Jr.; Mammone, Robert J.; Wade, William L., Jr.; and Gilman, Sol, 4,816,080, Cl. 134-10.000.
  Binder, Michael; and Walker, Charles W., Jr., 4,842,967, Cl. 429-101.000.
Walker, Christopher G., to Westinghouse Electric Corp. Test device for circuit breakers having electronic trip units. 4,803,434, 2-7-89, Cl. 324-424.000.
Walker, Christopher M.: *See—*
  Yaba, Susumu; Walker, Christopher M.; Muhl, Stephen; and Madan, Arun, 4,808,462, Cl. 428-142.000.
Walker, Clarence W.: *See—*
  Harton, Lynn M.; Rosenberger, Bruce R.; Anderson, John D.; and Walker, Clarence W., 4,886,468, Cl. 439-212.000.
  Larkin, Harold F.; Hibbert, David A.; Beberman, Julie A.; and Walker, Clarence W., 4,849,581, Cl. 174-88.00B.
Walker, Claud W.: *See—*
  Frederick, Loren D.; Walker, Claud W.; and Daywalt, Clark L., 4,832,837, Cl. 210-153.000.
Walker, Conrad M. B.: *See—*
  Baldwin, Howard A.; Walker, Conrad M. B.; and Brockelsby, William K., 4,870,419, Cl. 342-50.000.
Walker, Craig I., to Warman International Limited. Impellers for centrifugal pumps. 4,883,403, 11-28-89, Cl. 415-98.000.
Walker, Darrell W.; and Lee, Fu M., to Phillips Petroleum Company. Catalytic cracking. 4,846,960, 7-11-89, Cl. 208-119.000.
Walker, Darrell W.; and Schaffer, A. M., to Phillips Petroleum Company. Cracking catalyst and process. 4,873,211, 10-10-89, Cl. 502-64.000.
Walker, David J., to Babcock & Wilcox Company, The. Controlled discharge from a standpipe containing particulate materials. 4,860,694, 8-29-89, Cl. 122-4.00D.
Walker, David R.: *See—*
  Cadotte, John E.; and Walker, David R., 4,812,270, Cl. 264-48.000.
  Cadotte, John E.; and Walker, David R., 4,824,574, Cl. 210-654.000.
Walker, Dean M., to Walker Manufacturing Company. Mower apparatus. 4,835,951, 6-6-89, Cl. 56-16.600.
Walker, Derek W. R. Machining the ends of round bar and tube and similar workpieces. 4,813,114, 3-21-89, Cl. 29-33.00T.
Walker, Don W. Pipe fitters tape measure strip. 4,811,489, 3-14-89, Cl. 33-759.000.
Walker, Donald C.: *See—*
  Ketcham, Mark G.; and Walker, Donald C., 4,869,534, Cl. 285-24.000.
Walker, Donald G.: *See—*
  Brundidge, Steven P.; Brodfuehrer, Paul R.; Sapino, Chet, Jr.; Shih, Kun M.; and Walker, Donald G., 4,868,294, Cl. 540-222.000.
Walker, Douglas J.: *See—*
  Hood, Richard D., Jr.; Mueller, Dale E.; and Walker, Douglas J., 4,856,303, Cl. 68-133.000.
Walker, Douglas W. Trailerable structure and components for use therewith. 4,807,894, 2-28-89, Cl. 280-63.000.
Walker, Edward S.: *See—*
  Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., 4,857,260, Cl. 376-245.000.
Walker, Edward T., to Dock Leveler Manufacturing, Inc. Hydraulic dock leveler. 4,827,549, 5-9-89, Cl. 14-71.700.
Walker, Ernest P.: *See—*
  Van der Kloot, Robert H.; Walker, Ernest P.; and Sulman, David L., 4,816,750, Cl. 324-73.00R.
Walker, Eugene R. Combination carrying pouch and seat for walkers. 4,850,641, 7-25-89, Cl. 297-6.000.

Walker, Evan H.; and Gibbons, Gould, to United States of America, Army. Apparatus for reduction of munition fratricide hazard. 4,850,260, 7-25-89, Cl. 89-34.000.
Walker, Evan H.: *See—*
  Goodman, Henry J.; Walker, Evan H.; and Bell, Emmett L., 4,881,400, Cl. 73-35.000.
Walker, Francis H.: *See—*
  Baker, Don R.; Walker, Francis H.; and Brownell, Keith H., 4,800,205, Cl. 514-346.000.
Walker, Francis J.: *See—*
  Manion, Michael C.; Walensky, Loren J.; and Walker, Francis J., 4,838,168, Cl. 102-522.000.
Walker, Frank H. Hydraulic wheel motor and pump. 4,883,141, 11-28-89, Cl. 180-243.000.
Walker, Frederick J., to Consolidated Controls Corporation. Fiber optic displacement transducer with dichroic target. 4,798,951, 1-17-89, Cl. 250-227.000.
Walker, Fritz: *See—*
  Goller, Ernest; and Walker, Fritz, 4,799,365, Cl. 66-166.000.
  Goller, Ernst; and Walker, Fritz, 4,807,451, Cl. 66-149.00R.
  Goller, Ernst; and Walker, Fritz, 4,840,046, Cl. 66-144.000.
  Goller, Ernst; and Walker, Fritz, 4,869,079, Cl. 66-146.000.
Walker, George S.: *See—*
  Kareem, Arif; Walker, George S.; and Knierim, Daniel G., 4,843,309, Cl. 324-121.00R.
Walker, George V.: *See—*
  Childre, Casey J.; Walker, George V.; and Speh, Michael, 4,850,130, Cl. 43-23.000.
Walker, Gordon K.; Katznelson, Ron D.; Moroney, Paul; and Moerder, Karl E., to M/A-COM Government Systems, Inc.; and Cable/Home Communication Corporation. Digital audio companding and error conditioning. 4,809,274, 2-28-89, Cl. 371-37.000.
Walker, Graham: *See—*
  Rogers, Norman H.; O'Hanlon, Peter J.; Walker, Graham; and Crimmin, Michael J., 4,812,470, Cl. 514-365.000.
  Rogers, Norman H.; Walker, Graham; Crimmin, Michael J.; and O'Hanlon, Peter J., 4,861,788, Cl. 514-364.000.
Walker, Grant W. Golf ball. 4,886,275, 12-12-89, Cl. 273-183.00C.
Walker, Grant W. Golf swing analyzer. 4,889,341, 12-26-89, Cl. 273-176.00F.
Walker, H. Lynn: *See—*
  Marois, James J.; Fravel, Deborah R.; Connick, William J., Jr.; Walker, H. Lynn; and Quimby, Paul C., Jr., 4,818,530, Cl. 424-93.000.
Walker, Harold R.: *See—*
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Walker, Howard; and Walker, Charles. Pneumatic ball amusement game. 4,838,550, 6-13-89, Cl. 273-86.00R.
Walker, J. T.; Larsen, R. S.; and Shapiro, S. L., to Leland Stanford Junior University, The Board of Trustees of the. Analog storage integrated circuit. 4,811,285, 3-7-89, Cl. 365-45.000.
Walker, Jack M.; Brown, Ronald C.; and Thomas, Joseph R., to Menlo Care, Inc. Softening catheter. 4,846,812, 7-11-89, Cl. 604-264.000.
Walker, James A.: *See—*
  Gabriel, Kaigham J.; Mehregany, Mehran; and Walker, James A., 4,864,824, Cl. 60-527.000.
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Walker, James R.: *See—*
  Hansen, David W.; and Walker, James R., 4,813,477, Cl. 165-32.000.
Walker, James W. Automotive safety device for side lighting. 4,884,172, 11-28-89, Cl. 362-61.000.
Walker, Jerry: *See—*
  Waddell, Troy; and Walker, Jerry, 4,836,113, Cl. 108-49.000.
Walker, Jerry L.; Motley, Jerry; and Christopher, Glenn, to Jet Research Center, Inc. Capsule charge retaining device. 4,817,531, 4-4-89, Cl. 102-306.000.
Walker, John A. Casino board game. 4,887,819, 12-19-89, Cl. 273-256.000.
Walker, John B., to Mead Corporation, The. Roll splitter. 4,847,969, 7-18-89, Cl. 29-239.000.
Walker, John C.; and Holmes, Thomas, to SP Tyres UK Limited. Method of detecting a deflated tire on a vehicle. 4,876,528, 10-24-89, Cl. 340-442.000.
Walker, John G. Wingsail stalling. 4,856,449, 8-15-89, Cl. 114-103.000.
Walker, John H., to Phillips Petroleum Company. Method for protecting a pipe casing from a drill pipe string. 4,832,137, 5-23-89, Cl. 175-57.000.
Walker, John Q.: *See—*
  Arfman, Kenneth D.; Pillera, Theodore J., II; Ruckel, Raymond R.; Turits, Allan C.; and Walker, John Q., 4,869,876, Cl. 422-89.000.
Walker, Joseph K., Jr., to ELTECH Systems Corporation. Purifying refractory metal borides. 4,812,425, 3-14-89, Cl. 501-96.000.
Walker, Joseph L. Sign assembly. 4,831,760, 5-23-89, Cl. 40-620.000.
Walker, Kenneth; and Hutchinson, David, to Gold Kist Inc. Method and apparatus for transferring eggs. 4,830,564, 5-16-89, Cl. 414-405.000.
Walker, Kevin E.: *See—*
  Korsunsky, Iosif; Walker, Kevin E.; and Brown, Robert W., 4,872,845, Cl. 439-70.000.

Walker, Kevin J. Identification means. 4,836,128, 6-6-89, Cl. 716-210.000.
Walker, Kyle B. Inflatable cooler. 4,809,352, 2-28-89, Cl. 383-3.000.
Walker, Leigh E., to Occidental Chemical Corporation. Graft polymers of polymerizable monomers and olefin polymers. 4,806,581, 2-21-89, Cl. 524-178.000.
Walker, Lindsey J. Accessory for the hair. 4,819,671, 4-11-89, Cl. 132-54.000.
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 Cogbill, Randall B.; Dodd, Timothy J.; Heilman, Paul W.; Heronemus, Daryl L.; Sears, Leslie R.; Berryman, Leslie N.; Baker, Robert L.; Guffee, Larry E.; Prucha, David A.; Roberts, Don M.; Shackelford, Elbert L.; Stegemoeller, Calvin L.; and Walker, Lonnie R., 4,850,750, Cl. 406-82.000.
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Walker, Louis L.; and Larson, Paul A., to Dow Chemical Company, The. Curable composition containing a difunctional epoxy resin, a polyfunctional epoxy resin, a difunctional phenol and a polyfunctional phenol. 4,868,059, 9-19-89, Cl. 428-416.000.
Walker Magnetics Group, Inc.: *See—*
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Walker, Mark E. Remote transaction system. 4,845,636, 7-4-89, Cl. 364-479.000.
Walker Marketing Inc.: *See—*
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Walker, Mary A.: *See—*
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 Knobel, Thomas M.; and Walker, Mary A., 4,826,883, Cl. 521-123.000.
 Knobel, Thomas M.; and Walker, Mary A., 4,863,975, Cl. 521-123.000.
Walker, Mary E. Mannequin for use in teaching cosmetology. 4,810,196, 3-7-89, Cl. 434-94.000.
Walker, Mary K.: *See—*
 Knobel, Thomas M.; Walker, Mary K.; and Maschmeyer, Donald M., 4,806,571, Cl. 521-107.000.
Walker, Michael, to Standard Elektrik Lorenz Aktiengesellschaft. Compressor. 4,823,392, 4-18-89, Cl. 381-106.000.
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Walker, Michael M. Prosthesis utilizing salt-forming oxyacids for bone fixation. 4,795,475, 1-3-89, Cl. 623-66.000.
Walker, Michael S.: *See—*
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Walker, Nicholas G. Filtration assembly having integral heating means for maintaining the metallic material being filtered in the molten state. 4,834,876, 5-30-89, Cl. 210-185.000.
Walker, Nigel: *See—*
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Walker, Noal F. Barbecue apparatus. 4,867,130, 9-19-89, Cl. 126-25.00A.
Walker, Peter S.; and Ewald, Frederick C. Process and apparatus for tibial plateau compenent. 4,822,362, 4-18-89, Cl. 623-20.000.
Walker, Peter S.; and Ewald, Frederick C. Method of design of human joint prosthesis. 4,822,365, 4-18-89, Cl. 623-20.000.
Walker, Raymond M.; Achor, Donald P.; Baumgarten, Robert W.; and Bogard, Ralph B., to United Technologies Corporation. Fabrication or repair technique for integrally bladed rotor assembly. 4,873,751, 10-17-89, Cl. 29-156.80B.
Walker, Raymond M.: *See—*
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Walker, Rayond M.; and MacNitt, Donald G., to United Technologies Corporation. Apparatus for fabricating integrally bladed rotors. 4,838,069, 6-13-89, Cl. 72-342.000.
Walker, Rex R.: *See—*
 Castleman, Bruce W.; Cates, Marion H.; Szonntagh, Eugene L.; Walker, Rex R.; and Wilhite, W. Frank, 4,865,996, Cl. 436-161.000.
Walker, Richard C., to Hewlett-Packard Company. Fully integrated high-speed voltage controlled ring oscillator. 4,884,041, 11-28-89, Cl. 331-57.000.
Walker, Richard J., to United States of America, Energy. Exhaust gas clean up process. 4,820,391, 4-11-89, Cl. 204-182.400.
Walker, Richard S. Grasping means associated with retrieval means for infusion packages. 4,880,110, 11-14-89, Cl. 206-0.500.
Walker, Robert; Fitzgerald, Robert; and Bippus, Hans-Dieter, to Krone Aktiengesellschaft. Method and apparatus for interconnecting optical wave guides. 4,889,405, 12-26-89, Cl. 350-96.210.
Walker, Robert: *See—*
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Walker, Robert A. Air control system for air bed. 4,829,616, 5-16-89, Cl. 5-453.000.
Walker, Robert B. Downspout shield. 4,862,651, 9-5-89, Cl. 52-16.000.
Walker, Robert C., to Haslam & Walker Enterprises, Inc. Device and method for protecting water sprinklers while painting. 4,825,805, 5-2-89, Cl. 118-504.000.
Walker, Robert D.: *See—*
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Walker, Robert E. Sign assembly. 4,817,316, 4-4-89, Cl. 40-576.000.
Walker, Robert H.; Voigt, Du Monte O.; and Yeiser, Andrea L., to TRW Inc. Minimization of amplitude gaps in a line-spin scrambled video signal. 4,827,510, 5-2-89, Cl. 380-14.000.
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Walker, Scott A., to Siecor Corporation. Connector sleeve adapter. 4,834,486, 5-30-89, Cl. 350-96.200.
Walker, Steven D., to Marion Laboratories, Inc. Captopril and diltiazem composition and the like. 4,871,731, 10-3-89, Cl. 514-211.00
Walker, Stewart M.: *See—*
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Walker, Terence D., to Hydrovision Limited. View port for an underwater vehicle. 4,809,630, 3-7-89, Cl. 114-66.000.
Walker, Thomas A. Directional downhole drill apparatus. 4,852,66 8-1-89, Cl. 175-73.000.
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Walkhoff, Klaus, to Raichle Sportschuh AG. Ski boot. 4,843,74 7-4-89, Cl. 36-120.000.
Walkhoff, Klaus, to Raichle Sportschuh AG. Ski boot. 4,864,74 9-12-89, Cl. 36-120.000.
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 Prince, Thomas F.; Bishop, Julian J.; and Walkup, William B. 4,822,297, Cl. 439-395.000.
Wall, Alexander C.; and Sculler, Leonard H., to M&R Marking Sy- tems, Inc. Self-inking stamping device. 4,852,489, 8-1-89, C 101-334.000.
Wall, Alfred J., Jr., to Louvenrs International. Louver syste 4,839,778, 6-13-89, Cl. 362-150.000.
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 Siwersson, Olle L.; Wall, Arne E.; and Loodberg, Jan A. T. 4,803,932, Cl. 110-260.000.
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Wall, Michael: *See—*
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Wall, Paul G. Action for upright piano. 4,879,939, 11-14-89, Cl 84-240.000.

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Wall, Robin C., to Lucas Industries Public Limited Company. Hydraulic device for fuel pumping apparatus. 4,870,88[illegible], 10-3-89, Cl. 91-49.000.
Wall, Stephen W., to Hughes Aircraft Company. Hermetic feedthrough connector for fiber optic transmission. 4,859,021, 8-22-89, Cl. 350-96.200.
Wall, Stephen W., to Hughes Aircraft Company. Fiber optic attenuator. 4,878,730, 11-7-89, Cl. 350-96.210.
Wall, Wilfred F., to Glaxo Group Limited. Antibiotic production. 4,868,285, 9-19-89, Cl. 530-317.000.
Walla, Gregg W., to Timberline Supply. Furniture anti-tip and lock mechanism. 4,838,624, 6-13-89, Cl. 312-221.000.
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Wallace, David A., to General Electric Company. Temperature-dependent infinitely variable ratio transmission control system and method. 4,807,495, 2-28-89, Cl. 74-844.000.
Wallace, David A.; Feldon, Steven E.; Mezack, Gary; Whiting, Douglas L.; Dally, William J.; and Karns, Scott A., to Design Team Partners. Digital ultrasonic instrument for ophthalmic use. 4,817,432, 4-4-89, Cl. 73-602.000.
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Wallace, Donald R. Hand climber for hunting uses. 4,809,815, 3-7-89, Cl. 182-133.000.
Wallace, Donna L. Partially collapsible enclosure for trash burning receptacle. 4,870,948, 10-3-89, Cl. 126-224.000.
Wallace, Donovan B.; and Pierce, William C., to Lear Siegler Neway Corp. Lightweight trailing arm suspension. 4,858,949, 8-22-89, Cl. 280-713.000.
Wallace, Edward R. Tubular article clip apparatus. 4,850,495, 7-25-89, Cl. 215-101.000.
Wallace, Eugene L., to Wallace Disposal. Apparatus for compacing garbage and salvage. 4,841,853, 6-27-89, Cl. 100-245.000.
Wallace, Garn A.; and Wallace, Arthur. Method of agricultural soil improvement. 4,797,145, 1-10-89, Cl. 71-27.000.
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Wallace, Graeme B.; and Adams, Glenn R., to Co-Ordinated Thermal Systems Pty. Ltd. High humidity refrigeration apparatus. 4,884,411, 12-5-89, Cl. 62-91.000.
Wallace, Henry. Portable wellhead and welder protector system. 4,865,490, 9-12-89, Cl. 405-303.000.
Wallace, Henry G., to H. G. Wallace Ltd. Catheter and cannula assembly. 4,863,423, 9-5-89, Cl. 604-48.000.
Wallace, Jack E.; and Blum, Kenneth, to Matrix Technologies, Inc. Carrier for detecting drug abuse compounds. 4,844,866, 7-4-89, Cl. 422-56.000.
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 McConaghy, William J.; and Wallace, James M., 4,855,080, Cl. 252-626.000.
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 Day, Richard A.; and Wallace, John, 4,855,419, Cl. 540-215.000.
Wallace, John C.: *See—*
 Larkins, Brian; Cuellar, Richard E.; and Wallace, John C., 4,885,357, Cl. 530-373.000.
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Wallace, John L., to W. R. Grace & Co. Ink-receptive, water-based, coatings. 4,889,765, 12-26-89, Cl. 428-290.000.
Wallace, John S., to Oakland Corporation, The. Method for making O-rings. 4,851,175, 7-25-89, Cl. 264-255.000.
Wallace, Kenneth J.: *See—*
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Wallace, Lawrence R.: *See—*
 Tyrell, John A.; and Wallace, Lawrence R., 4,882,375, Cl. 524-161.000.
Wallace, Lyvone: *See—*
 Wallace, Terry A.; Wallace, Lyvone; and Hopkins, Harry C., 4,852,290, Cl. 43-17.000.
Wallace, Norman R. Sheathed jet fluid dispersing apparatus. 4,826,084, 5-2-89, Cl. 239-290.000.
Wallace, Richard B., to Oakland Corporation, The. Thread lock. 4,847,113, 7-11-89, Cl. 427-54.100.
Wallace, Richard E.: *See—*
 Brown, David B.; and Wallace, Richard E., 4,860,284, Cl. 370-88.000.
Wallace, Robert: *See—*
 Kastendieck, William A.; and Wallace, Robert, 4,820,031, Cl. 350-538.000.
Wallace, Robert B.; and Itoh, Hirataka, to Asahi Kasei Kogyo Kabushiki Kaisha. Novel human physiologically active polypeptide. 4,879,226, 11-7-89, Cl. 435-68.000.
Wallace, Robert E.: *See—*
 Basanese, Robert E.; Koop, Dale E.; and Wallace, Robert E., 4,864,098, Cl. 219-121.610.
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 Schubert, Peter J.; and Wallace, Robert J., 4,885,618, Cl. 357-23.110.
Wallace, Sheryl A.: *See—*
 Wallace, Thomas L.; and Wallace, Sheryl A., 4,865,044, Cl. 128-736.000.
Wallace, Terry A.; Keyes, Ventonia L.; and Hopkins, Harry C., to Wallace, Terry A. Exhaustible cooler and solar powered warmer. 4,846,257, 7-11-89, Cl. 165-39.000.
Wallace, Terry A.; Wallace, Lyvone; and Hopkins, Harry C., to Wallace, Terry A. Fishing rod holder. 4,852,290, 8-1-89, Cl. 43-17.000.
Wallace, Thomas L.; and Wallace, Sheryl A. Temperature-sensing system for cattle. 4,865,044, 9-12-89, Cl. 128-736.000.
Wallace, Walter J., Jr., to W. J. Wallace Systems, Inc. Bulk materials handling machine having a tractor drive. 4,832,182, 5-23-89, Cl. 198-509.000.
Wallace, William D., to Remington Arms Company. Knife blade spanner wrench. 4,862,544, 9-5-89, Cl. 7-118.000.
Wallace, William D., to Utah Medical Products. Disposable apparatus for monitoring intrauterine pressure and fetal heart rate. 4,873,986, 10-17-89, Cl. 128-670.000.
Wallace, William G., to Amoco Corporation. Ballistic lubricating and process. 4,858,534, 8-22-89, Cl. 102-511.000.
Wallach, Clifford H.: *See—*
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Wallach, Donald F. H.; and Philippot, Jean, to Micro-Pak, Inc. Method of manufacturing unilamellar lipid vesicles. 4,853,228, 8-1-89, Cl. 424-450.000.
Wallach, Donald F. H., to Micro-Pak, Inc. Method of producing high aqueous volume multilamellar vesicles. 4,855,090, 8-8-89, Cl. 264-4.100.
Wallach, Steven J.: *See—*
 Clancy, Gerald F.; Mundie, Craig J.; Schleimer, Stephen I.; Wallach, Steven J.; and Bratt, Richard G., 4,821,184, Cl. 364-200.000.
 Dozier, Harold W.; Jones, Thomas M.; Wallach, Steven J.; and Gruger, Jeffrey H., 4,809,171, Cl. 364-200.000.
Wallach, Walter A.: *See—*
 Bernstein, David H.; Wallach, Walter A.; Richmond, Michael S.; Ahlstrom, John K.; Pilat, John F.; Farber, David A.; Belgard, Richard A.; and Bratt, Richard G., 4,803,619, Cl. 364-200.000.
Walland, Alexander: *See—*
 Arndts, Dietrich; Schingnitz, Gunter; Streller, Ilse; and Walland, Alexander, 4,871,760, Cl. 514-401.000.
Wallander, Carl O., to Hydropress Wallander & Co. Device for collecting and discharging solid matter. 4,853,116, 8-1-89, Cl. 210-104.000.
Wallat, Siegfried: *See—*
 Moeller, Hinrich; and Wallat, Siegfried, 4,833,147, Cl. 514-264.000.
Wallbank, James, to Austin Rover Group Limited. Method of making a moulded article. 4,854,366, 8-8-89, Cl. 164-16.000.

Wallbillich, Guenter; and Van Heuvelen, Jan H., to BASF Aktiengesellschaft. Coating plate cylinders or sleeves with a continuous, seamless photosensitive layer. 4,871,650, 10-3-89, Cl. 430-300.000.

Wallbillich, Guenter, to BASF Aktiengesellschaft. Negative correction of gravure printing plates. 4,876,118, 10-24-89, Cl. 427-142.000.

Wallbillich, Thomas J., III, to Baker Hughes Incorporated. Method and apparatus for releasing a well perforating gun from a supporting tubing string. 4,815,540, 3-28-89, Cl. 166-377.000.

Wallbillitch, Guenter; and Van Heuvelen, Jan H., to BASF Aktiengesellschaft. Seamless and firm joining of the end and/or lateral areas of photosensitive layers. 4,883,742, 11-28-89, Cl. 430-275.000.

Wallboard Tool Company, Inc.: *See—*
  Masterson, Jon A., 4,863,104, Cl. 239-345.000.

Wallen, Russell J. Glare reducing adjustable visor system. 4,861,091, 8-29-89, Cl. 296-97.600.

Wallendal, Craig D. Ground anchor for home plate and pitcher's plate and method of installation. 4,856,779, 8-15-89, Cl. 273-25.000.

Wallentine, Patricia J.; Baciak, Mark G.; Carreras, Richard A.; Coates, Elinor L.; and Haralson, David G., to United States of America, Air Force. Large angle off-axis beam steering of a phased telescope array. 4,831,246, 5-16-89, Cl. 250-20.00J.

Waller, Duncan E.; and Lovshe, Laurie D., to Kerr Manufacturing Company. Prevention of outgassing in polyvinylsiloxane elastomers by the use of finely divided platinum black. 4,806,575, 2-21-89, Cl. 523-120.000.

Waller, Francis J., to Du Pont de Nemours, E. I., and Company. Preparation of urethanes by oxidative carbonylation of amines using copper carboxylates as oxidants. 4,806,674, 2-21-89, Cl. 560-024.000.

Waller, George W. Drying rack and receptacle for towels and wash cloths. 4,875,592, 10-24-89, Cl. 211-88.000.

Waller, James K., Jr. Automatic gain expansion system. 4,881,047, 11-14-89, Cl. 330-282.000.

Waller, John E.; Gray, John A.; and Aston, David A., to Dearborn Chemical Company, Limited. Rust removal and composition thereof. 4,810,405, 3-7-89, Cl. 252-81.000.

Walles, Erik W.; Crivello, James V.; and Lupinski, John H., to General Electric Company. Method of encapsulating electronic devices. 4,842,800, 6-27-89, Cl. 264-272.130.

Walles, Erik W.; Lupinski, John H.; Markovitz, Mark; Colborn, Robert E.; Presley, James R.; Davis, Michael J.; Minnick, Michael G.; Kubisen, Steven J., Jr.; Hallgren, John E.; Bolon, Donald A.; Eddy, Victoria J.; and Irwin, Patricia C., to General Electric Company. Curable polyphenylene ether-polyepoxide compositions useful in printed circuit board production. 4,853,423, 8-1-89, Cl. 523-428.000.

Walles, Wilhem E.; and Tomkinson, Donald L., to Dow Chemical Company, The. Mold sulfonation system. 4,861,250, 8-29-89, Cl. 425-90.000.

Wallet, Steven A. Oil collection and disposal device. 4,880,156, 11-14-89, Cl. 232-43.100.

Walley, Darlene R., to Procter & Gamble Company, The. Mono-esters as fiber and fabric treatment compositions. 4,808,321, 2-28-89, Cl. 252-8.800.

Walley, Darlene R.: *See—*
  Hardy, Frederick E.; and Walley, Darlene R., 4,840,738, Cl. 252-8.600.

Walley, David H.; and DeVries, Marvin R. Stop leak composition. 4,872,911, 10-10-89, Cl. 106-33.000.

Walley, Rex D., to Supedo Pty. Ltd. Tamper proof bolt and nut. 4,867,624, 9-19-89, Cl. 411-3.000.

Wallgren, Linus E.; Mason, Bobby L.; Siegel, William J.; Olesen, Ole V.; and Abbagnaro, Louis A., to Pace, Incorporated. Heater for use as either primary or auxiliary heat source and improved circuitry for controlling the heater. 4,847,471, 7-11-89, Cl. 219-497.000.

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Wallhead, Malcolm. Buildings for harsh environments. 4,848,046, 7-18-89, Cl. 52-80.000.

Wallick, Clarence H.; and Dabirnia, Shahriar. Cart. 4,830,385, 5-16-89, Cl. 280-35.000.

Wallick, Claude R., Jr.; and Schmitt, Thomas J., to Emerson Electric Co. Foldable ladder structure and method of manufacturing the same. 4,834,216, 5-30-89, Cl. 182-165.000.

Walliker, John R.; Rosen, Stuart M.; and Fourcin, Adrian J., to National Research Development Corporation. Apparatus for use in conjunction with lipreading by the profoundly deaf. 4,809,329, 2-28-89, Cl. 381-36.000.

Wallin, Alrik. Apparatus for removing bark from cut logs. 4,805,677, 2-21-89, Cl. 144-208.00B.

Wallin, Roger W.; and Gresham, Jack, to Viking Engineering & Development, Inc. Nail feeding apparatus for pallet-making machine. 4,867,364, 9-19-89, Cl. 227-7.000.

Wallin, Sven C.: *See—*
  Eckebring, Bengt O. D.; and Wallin, Sven C., 4,805,521, Cl. 98-40.010.

Wallin, Walter B.: *See—*
  Pope, Thomas A., deceased; Wallin, Walter B.; Cutrell, Mitchell R.; and Melton, James J., 4,852,029, Cl. 364-556.000.

Walling, Paul J. Satellite communications system for medical related images. 4,802,008, 1-31-89, Cl. 358-141.000.

Walling, Peter T. Syringe and catheter apparatus. 4,795,431, 1-3-89, Cl. 604-97.000.

Walling, Peter T. Syringe and catheter apparatus. 4,865,587, 9-12-89, Cl. 604-97.000.

Wallingford, Errol E. Three-phase PWM inverter with speed control and load compensation for an induction motor. 4,849,871, 7-18-89, Cl. 363-41.000.

Wallington, Kenneth: *See—*
  Hardy, Judy; and Wallington, Kenneth, 4,875,870, Cl. 439-204.000.

Wallis, Bernard J. Corrugated fin forming apparatus. 4,838,065, 6-13-89, Cl. 72-185.000.

Wallis, Christopher J.; Finch, Harry; and Hallett, Peter, to Gla Group Limited. Aminocyclopentyl ethers and pharmaceutical form lation. 4,880,800, 11-14-89, Cl. 514-211.000.

Wallis, Ernst: *See—*
  Rockel, Manfred; Wallis, Ernst; Kohler, Michael; Heubner, Ulric and Kirchheiner, Rolf, 4,876,065, Cl. 420-582.000.

Wallis, Philip: *See—*
  Ryan, David; Schwartz, Lawrence D.; Wallis, Philip; and Winter stein, Kenneth M., 4,868,023, Cl. 428-35.100.

Wallis, Roland R., Jr.: *See—*
  Boyce, Joseph S.; Wallis, Roland R., Jr.; and Bullock, Daniel E. 4,808,461, Cl. 428-119.000.
  Kovak, Robert; and Wallis, Roland R., Jr., 4,845,150, C 524-602.000.

Wallisser, Klaus. Chucking device, in particular a vise. 4,798,37 1-17-89, Cl. 269-283.000.

Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., t Biogen, Inc. DNA sequences, recombinant DNA molecules an processes for producing human phospholipase inhibitor-like polype tides. 4,874,743, 10-17-89, Cl. 514-12.000.

Wallner, Barbara P.; Pepinsky, R. Blake; and Garwin, Jeffrey L., t Biogen, Inc. DNA sequences, recombinant DNA molecules an processes for producing human phospholipase inhibitor polypeptide 4,879,224, 11-7-89, Cl. 435-68.000.

Wallner, Felix: *See—*
  Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,804,43 Cl. 75-38.000.
  Puhringer, Othmar; Wallner, Felix; Wiesinger, Horst; Eichberger Ernst; Schiffer, Wilhelm; and Rockenschaub, Walter, 4,867,7 Cl. 75-38.000.

Wallner, Kurt: *See—*
  Blaschek, Otto; and Wallner, Kurt, 4,826,116, Cl. 248-185.000.

Wallner, Manfred J., to Emerson Electric Co. Plasma arc torch disco nect and visible indicia means. 4,861,963, 8-29-89, Cl. 219-121.48.

Wallner, Manfred J., to Emerson Electric Co. Plasma arc torch wit confined and controlled plasma jet column. 4,864,097, 9-5-89, C 219-121.520.

Wallner, Rolf, to Sueddeutsche Kuehlerfabrik Julius Fr. Behr GmbH Co. KG. Automotive air-conditioning system and appara 4,841,739, 6-27-89, Cl. 62-174.000.

Wallo, Gary J.: *See—*
  Schwartz, Ellen S.; Smolenski, Donald J.; Keersmaekers, John E Traylor, Christine M.; and Wallo, Gary J., 4,847,768, C 364-424.030.

Wallo, William H., to W. H. Wallo & Associates, Inc. Hanging devi for picture frames or like objects, and method. 4,804,161, 2-14-89, C 248-544.000.

Wallo, William H. Stands for displaying graphic materials. 4,830,3 5-16-89, Cl. 211-57.100.

Wallow, Peter; and Bethmann, Karl W., to Rheinmetall GmbH. Prope ling cage projectile arrangement. 4,850,280, 7-25-89, Cl. 102-522.00

Wallow, Peter: *See—*
  Fuchs, Reinhart; Luther, Hans W.; Wallow, Peter; Boecker, Jur gen; Simon, Walter; Romer, Rudolf; Gersbach, Klaus; Beppe Bernhard; and Bethmann, Karl W., 4,850,279, Cl. 102-521.00.

Wallquist, Olof; Iqbal, Abul; Pfenninger, Johannes; and Rochat, Ala C., to Ciba-Geigy Corporation. Process for the preparation of brom nated pyrrolo-[3,4-c]-pyrroles and mixtures thereof. 4,810,802, 3-7-8 Cl. 548-453.000.

Wallrafen, Werner, to VDO Adolf Schindling AG. Method and appara tus for determining angular velocity from two signals which ar function of the angle of rotation. 4,814,701, 3-21-89, Cl. 324-160.00

Wallrafen, Werner, to VDO Adolf Schindling AG. Angle sensor wit inductive coil coupling. 4,829,247, 5-9-89, Cl. 324-208.000.

Wallrafen, Werner, to VDO Adolf Schindling AG. Determining angu lar velocity from two quadrature signals by squaring the derivative o each signal and taking the square root of the sum. 4,868,497, 9-19-8 Cl. 324-160.000.

Wallraff, Robert W., to Rockwell International Corporation. Pha locked loop having reduced response time. 4,817,199, 3-28-89, C 455-260.000.

Wallroth, Carl-Friedrich: *See—*
  Falb, Wolfgang; Ryschka, Martin; and Wallroth, Carl-Friedrich 4,825,860, Cl. 128-203.120.
  Kleinschmidt, Lothar; Wallroth, Carl-Friedrich; and Wachsm Michael, 4,846,169, Cl. 128-205.240.
  Loughlin, Patrick J.; Westenskow, Dwayne R.; Wied, Heinrich A and Wallroth, Carl-Friedrich, 4,878,388, Cl. 73-866.400.
  Mohr, Helmut; Falb, Wolfgang; and Wallroth, Carl-Friedrich 4,867,212, Cl. 141-290.000.

Walls, Arthur S.: *See—*
  Langley, Robert; Stewart, John D.; and Walls, Arthur S. 4,801,634, Cl. 524-88.000.
  Langley, Robert; Stewart, John D.; and Walls, Arthur S. 4,801,638, Cl. 524-88.000.

Walls, John E.; and Pagano, Frank C., to Hoechst Celanese Corpora tion. Water developable screen printing composition. 4,822,73 4-18-89, Cl. 430-284.000.

Walls, John E.; and Tellechea, Carlos, to Hoechst Celanese Corporation. Radiation polymerizable composition, photographic element, and method of making element with diazonium salt, and monofunctional and polyfunctional acrylic monomers. 4,851,319, 7-25-89, Cl. 430-157.000.

Walls, John E.; and Dhillon, Major S., to Hoechst Celanese Corporation. Enzyme hydrolyzed maltodextrin containing finisher/preserver/cleaner composition for lithographic printing plates. 4,880,555, 11-14-89, Cl. 252-143.000.

Walls, Lester L., Jr.: *See—*
  Wenner, Kent A.; and Walls, Lester L., Jr., 4,848,051, Cl. 52-200.000.
  Wenner, Kent A.; and Walls, Lester L., Jr., 4,860,511, Cl. 52-200.000.

Walls, Lloyd A.: *See—*
  Horel, Timothy A.; Hoyt, Edward S.; and Walls, Lloyd A., 4,862,077, Cl. 324-158.00F.

Walls, Thomas J. Shoe lace knot securing device. 4,879,787, 11-14-89, Cl. 24-712.200.

Wallsten, Hans I.; and Imbert, Christian, to Medinvent S.A. Device for transluminal implantation. 4,848,343, 7-18-89, Cl. 128-343.000.

Wally, Joseph H., Jr.; and Pace, Herbert W. Chase holding mechanism for camera/projector machines. 4,847,664, 7-11-89, Cl. 355-76.000.

Wally, Joseph H., Jr.; Pace, Herbert W.; and Halsey, Ronald L., to Opti-Copy, Incorporated. Boxlight for projection photoreproduction. 4,887,123, 12-12-89, Cl. 355-30.000.

Walmsley, Owen, to Emmett, Robert. Clamps and connectors. 4,822,203, 4-18-89, Cl. 403-314.000.

Walon, Corinne: *See—*
  Colson, Charles A.; Lejeune, Philippe; Walon, Corinne; and Willemot, Karine, 4,806,426, Cl. 435-252.310.

Walpert, Robert A.: *See—*
  Hoffenberg, Mark J.; and Walpert, Robert A., 4,815,730, Cl. 272-73.000.
  Sargeant, Bruce A.; Hoffenberg, Mark J.; Reasons, Rob; and Walpert, Robert A., 4,834,363, Cl. 272-73.000.

Walpin, Arline; and Walpin, Lionel A., to Roloke Company. Back support cushion. 4,835,801, 6-6-89, Cl. 5-432.000.

Walpin, Arline; and Walpin, Lionel A., to Roloke Company. Adjustable body positioner. 4,853,993, 8-8-89, Cl. 5-431.000.

Walpin, Arline M.; and Walpin, Lionel A., to Roloke Co. Multi-dimensional pillow. 4,850,068, 7-25-89, Cl. 5-434.000.

Walpin, Lionel A.: *See—*
  Walpin, Arline; and Walpin, Lionel A., 4,835,801, Cl. 5-432.000.
  Walpin, Arline; and Walpin, Lionel A., 4,853,993, Cl. 5-431.000.
  Walpin, Arline M.; and Walpin, Lionel A., 4,850,068, Cl. 5-434.000.

Walraet, Jean: *See—*
  LeFort, Gilbert; Liger, Marc; Walraet, Jean; and Boutry, Patrick, 4,845,711, Cl. 370-102.000.

Walruff, James C. Apparatus and method for noninvasive testing of voluntary and involuntary motor response patterns. 4,854,329, 8-8-89, Cl. 128-745.000.

Wals, Lourens; and Cooymans, Ludwig P., to Janssen Pharmaceutica N.V. α,α-diaryl-4-aryl-4-hydroxy-1-piperidinebutanamide, N-oxides and method of treating diarrhea. 4,824,853, 4-25-89, Cl. 514-327.000.

Walsby, Anthony E.: *See—*
  Brown, Nigel L.; and Walsby, Anthony E., 4,871,664, Cl. 435-91.000.

Walsdorf, Neill B.; Alexandrides, George; and Pak, Charles Y. C., to Board of Regents, The University of Texas System; and Mission Pharmacal. Ultradense and more soluble and bioavailable preparations of calcium citrate. 4,814,177, 3-21-89, Cl. 424-464.000.

Walsdorf, Neill B.: *See—*
  Pak, Charles Y. C.; and Walsdorf, Neill B., 4,851,221, Cl. 424-693.000.

Walse, Alan S.: *See—*
  Rahworth, Paul L.; and Walse, Alan S., 4,795,374, Cl. 439-634.000.

Walser, Ardie D.: *See—*
  Alfano, Robert R.; and Walser, Ardie D., 4,853,595, Cl. 313-532.000.

Walser, Felix, to Prazisions-Werkzeuge AG. Process of coating a body and apparatus therefor. 4,826,704, 5-2-89, Cl. 427-28.000.

Walser, Glenn E., to Automated Food Systems, Inc. Apparatus for loading food for alignment with food sticks. 4,842,181, 6-27-89, Cl. 227-3.000.

Walser, Reimund A.: *See—*
  Holan, George; Walser, Reimund A.; and Elmes, Bryan C., 4,849,450, Cl. 514-521.000.

Walser, Thomas D.: *See—*
  Check, John M.; Clayton, William L., Jr.; Fitts, Frederick L.; and Walser, Thomas D., 4,814,573, Cl. 219-69.00E.

Walsh, Arthur L.: *See—*
  Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.

Walsh, Bernard L., Jr.: *See—*
  Weaver, Gary R.; Smith, Bryce M.; Horvath, Gregory L.; and Walsh, Bernard L., Jr., 4,799,028, Cl. 331-57.000.

Walsh, Brendan R.; and Dantonio, Marietta T. Anchoring member for a fabric stretcher. 4,858,349, 8-22-89, Cl. 38-102.910.

Walsh, Dale M.; and Wallach, Clifford H. Modem for communicating at high speed over voice-grade telephone circuits. 4,890,316, 12-26-89, Cl. 379-98.000.

Walsh, Daniel P., to Polyonics Corporation. Textured polyimide film. 4,806,395, 2-21-89, Cl. 427-444.000.

Walsh, Daniel P.; and Knudsen, Philip D., to Polyonics Corporation. Thermally stable dual metal coated laminate products made from textured polyimide film. 4,868,071, 9-19-89, Cl. 428-626.000.

Walsh, Daniel P.: *See—*
  Knudsen, Philip D.; and Walsh, Daniel P., 4,832,799, Cl. 204-22.000.

Walsh, David A., to A. H. Robins Company, Incorporated. 2-amino-3-aroyl-upsilon-oxobenzenebutanoic acid and esters. 4,855,447, 8-8-89, Cl. 548-494.000.

Walsh, David A., to A. H. Robins Company, Incorporated. 2-Amino-3-aroyl-γ-oxobenzenebutanoic acids and esters. 4,855,448, 8-8-89, Cl. 548-504.000.

Walsh, David A.; and Yanni, John M., to A. H. Robins Company, Incorporated. 1-aryloxy-4-[((4-aryl)-1-piperazinyl]-2-butanols useful as antiallergy agents. 4,882,330, 11-21-89, Cl. 514-255.000.

Walsh, David A., to A. H. Robins Company, Incorporated. 4-[(α,α-diaryl)-hydroxymethyl]-1-piperidinylalkyl-cyclic carbamate derivatives as allergic response inhibitors. 4,886,794, 12-12-89, Cl. 514-211.000.

Walsh, David A.: *See—*
  Yanni, John M.; and Walsh, David A., 4,810,713, Cl. 514-317.000.

Walsh, David J.; Lougheed, William M.; Gentili, Fred; and Fazl, Mahmood, to Walsh Manufacturing (Mississauga) Limited. Anastomosis device and method. 4,873,975, 10-17-89, Cl. 128-334.00R.

Walsh, Dennis E.: *See—*
  Chen, Nai Y.; and Walsh, Dennis E., 4,808,296, Cl. 208-111.000.
  Chen, Nai Y.; and Walsh, Dennis E., 4,877,581, Cl. 585-751.000.
  Green, Gary J.; Dryer, Frederick L.; and Walsh, Dennis E., 4,819,831, Cl. 222-420.000.

Walsh, Edward N.: *See—*
  Hardy, Thomas A.; and Walsh, Edward N., 4,808,744, Cl. 558-163.000.
  Hardy, Thomas A.; and Walsh, Edward N., 4,820,854, Cl. 558-119.000.
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  Hardy, Thomas A.; and Walsh, Edward N., 4,886,895, Cl. 558-161.000.

Walsh, Frank R.; DiNatale, Ernest L.; and Morgan, Thomas W., to Xerox Corporation. Copier/document handler customer variable registration system. 4,831,420, 5-16-89, Cl. 355-203.000.

Walsh, Gerald M.: *See—*
  Burton, Earl G.; Chengelis, Christopher P.; and Walsh, Gerald M., 4,866,063, Cl. 514-258.000.

Walsh, James D.: *See—*
  Ponchel, Basil M.; and Walsh, James D., 4,828,631, Cl. 148-417.000.

Walsh, James L.: *See—*
  Michail, Michel S.; and Walsh, James L., 4,806,785, Cl. 307-131.000.

Walsh, James W. Membrane batch-processing apparatus. 4,795,562, 1-3-89, Cl. 210-232.000.

Walsh, James W. Flexible jacket membrane processing apparatus. 4,804,469, 2-14-89, Cl. 210-232.000.

Walsh, John J.: *See—*
  Kirschner, Thomas J., Jr.; and Walsh, John J., 4,817,377, Cl. 60-225.000.

Walsh, John M.; and Ott, David M., to Litton Industrial Automation Systems, Inc. Automatic document image revision. 4,827,330, 5-2-89, Cl. 358-280.000.

Walsh, John P.: *See—*
  DeBlasi, Douglas S.; and Walsh, John P., 4,857,624, Cl. 528-129.000.

Walsh, John V., to Micro Magnetics, Inc. Water treatment using fine particle super magnets. 4,836,932, 6-6-89, Cl. 210-695.000.

Walsh, Joseph C.; and Jensen, James W., to Adolph Coors Company. Composite web decurling apparatus and method. 4,808,363, 2-28-89, Cl. 264-288.400.

Walsh, Joseph G.: *See—*
  McKean, Dennis R.; Miller, Robert D.; Walsh, Joseph G.; and Willson, Carlton G., 4,853,315, Cl. 430-192.000.

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  Edwards, David G.; Finlay, Gerard; Boyle, David J.; Heasly, Clyde C., Jr.; Walsh, Joseph M.; and Poling, Ralph J., 4,802,412, Cl. 101-269.000.

Walsh, Kenneth A., Jr., to Hughes Aircraft Company. Very wide bandwidth linear amplitude modulation of RF signal by vector summation. 4,835,493, 5-30-89, Cl. 332-41.000.

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  Walsh, David J.; Lougheed, William M.; Gentili, Fred; and Fazl, Mahmood, 4,873,975, Cl. 128-334.00R.

Walsh, Mark L. Self-draining snorkel. 4,834,084, 5-30-89, Cl. 128-201.110.

Walsh, Martin J.; and Maury, Eufredo G., to Colortech Inc. Method and apparatus for producing thermoplastic and products produced therefrom. 4,820,469, 4-11-89, Cl. 264-506.000.

Walsh, Michael J. M.: *See—*
  Titchener, Paul F.; and Walsh, Michael J. M., 4,828,051, Cl. 175-50.000.
  Titchener, Paul F.; Walsh, Michael J. M.; and Hanson, Merle E., 4,848,480, Cl. 166-385.000.

Walsh, Michael L., to Lord Corporation. Flexible epoxy film from an epoxy resin reacted with a ketimine/amine terminated butadiene/acrylonitrile copolymer blend. 4,861,832, 8-29-89, Cl. 525-113.000.

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Walsh, Timothy E. Basketball backboard and rim assembly. 4,834,369, 5-30-89, Cl. 273-1.50R.
Walsh, Warren J.; and Kallevig, Bruce, to Wagner Spray Tech Corporation. Pressure relief before or upon electric shut off of pump. 4,834,287, 5-30-89, Cl. 239-127.000.
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Walt, David R., to Tufts College, Trustees of. Radiative and non-radiative energy transfer and absorbance modulated fluorescence detection methods and sensors. 4,822,746, 4-18-89, Cl. 436-528.000.
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Walter, Bruno H., to Intech Oil Tools Ltd. Flow pulsing apparatus for use in drill string. 4,819,745, 4-11-89, Cl. 175-107.000.
Walter, Bruno H., to Intech Oil Tools Ltd. Flow pulsing apparatus with axially movable valve. 4,830,122, 5-16-89, Cl. 175-106.000.
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Walter, David T., to TI Interlock Limited. Pressure fluid control system. 4,883,084, 11-28-89, Cl. 137-118.000.
Walter, Eckhard, to Rahmen mit System GmbH. Closed decoration frame. 4,839,974, 6-20-89, Cl. 40-152.000.
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Boyer, Alan H.; Walter, Graham D.; and Moore, Robert A., 4,809,027, Cl. 346-159.000.
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Walter, Gregory W. Safety catheter. 4,828,548, 5-9-89, Cl. 604-164.000.
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Bronstert, Klaus; Walter, Hans-Michael; and Schwaben, Hans-Dieter, 4,839,434, Cl. 525-350.000.
Walter, Herbert, to Protoned B.V. Clothes display stand. 4,813,552, 3-21-89, Cl. 211-105.100.
Walter, Herbert, to Protoned B.V. Showcase for the display of merchandise. 4,865,402, 9-12-89, Cl. 312-140.000.
Walter, Herbert, to Protoned B.V. Shelf for displaying articles. 4,881,708, 11-21-89, Cl. 248-243.000.
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Walter, Jackie A.; Sharenow, Brett; Walker, Robert; and Voss, Scott V., to Olin Corporation. Process for providing an improved electroplated tape automated bonding tape and the product produced thereby. 4,806,409, 2-21-89, Cl. 428-138.000.
Walter, James F.; and Sherwin, Martin B., to W. R. Grace & Co.-Conn. Transamination process for producing amino acids. 4,859,5 8-22-89, Cl. 435-106.000.
Walter, James M.; Jonnalagadda, Krishnamurthy; and Flory, Robert E., to General Electric Company. EDTV recording apparatus. 4,879,606, 11-7-89, Cl. 358-330.000.
Walter, Jeffrey A.; Garg, Kailash C.; and Rowan, Joseph C., to W. L. Gore & Associates, Inc. Dielectric waveguide having higher order mode suppression. 4,875,026, 10-17-89, Cl. 333-251.000.
Walter, John, to Continental Can Company, Inc. Rotary switch and valve assembly. 4,830,048, 5-16-89, Cl. 137-560.000.
Walter, John, to Continental Can Company, Inc. Conveyor chain for container nest. 4,836,359, 6-6-89, Cl. 198-803.010.
Walter, John, to Continental Can Company, Inc. Rotary valve assembly. 4,877,054, 10-31-89, Cl. 137-560.000.
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Kubis, Charles S.; and Walter, John, 4,848,060, Cl. 53-308.000.
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Walter, Josef: *See—*
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Walter, Karl, to G. Siempelkamp GmbH & Co. Apparatus for pressing mats used in the manufacture of chipboard, fiberboard or similar pressed board. 4,850,846, 7-25-89, Cl. 425-337.000.
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Walter, Manfred; Schuette, Wilhelm; and Goerrissen, Heiner, to BASF Aktiengesellschaft. Polyoxymethylene molding materials having improved thermal stability, their preparation and their use. 4,837,40 6-6-89, Cl. 524-145.000.
Walter, Martin J., to United States of America, Air Force. Reflectance technique for thermal mapping of semiconductors. 4,841,150, 6-20-89, Cl. 250-339.000.
Walter Odemer Co., Inc.: *See—*
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Walter, Philip G., to Hobart Corporation. Thermosensitive recording material having recording layer containing fluorescent dye. 4,855,277, 8-8-89, Cl. 503-204.000.
Walter, Richard K., to Laser Communications, Inc. Apparatus and method for alignment of fixed communication laser stations. 4,879,764, 11-7-89, Cl. 455-607.000.
Walter, Richard T.; Bhagwat, Pradeep; and Lipa, George W., to Black & Decker Inc. Non-isolated thermally responsive battery charger. 4,853,607, 8-1-89, Cl. 320-36.000.
Walter, Richard T.: *See—*
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Walter, Robert B.; and Wilkus, Edward V., to Vulkor, Incorporated. Polyolefin compounds having improved heat curing stability, method of improving heat aging stability therein, an electrical conductor insulated therewith and method of forming. 4,824,883, 4-25-89, Cl. 524-93.000.
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Walters, Donald M., Jr., to Advanced Micro Devices, Inc. High-performance, CMOS latch for improved reliability. 4,800,300, 1-24-89, Cl. 307-279.000.
Walters, Donald M., Jr., to Advanced Micro Devices, Inc. Bit-line isolated, CMOS sense amplifier. 4,804,871, 2-14-89, Cl. 807-530.000.
Walters, Donald M., Jr., to Advanced Micro Devices, Inc. Fast, low-noise CMOS output buffer. 4,806,794, 2-21-89, Cl. 307-451.000.
Walters, Donald M., Jr., to Advanced Micro Devices, Inc. Full-level, fast CMOS output buffer. 4,825,101, 4-25-89, Cl. 307-270.000.
Walters, Donald M., Jr., to Advanced Micro Devices, Inc. CMOS RAM data compare circuit. 4,841,279, 6-20-89, Cl. 340-146.200.
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Walters, Eckhard: *See—*
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Walters, Gerald E.; Dutcher, Clinton H.; Tang, Tian-Peng; and Nurek, Jerry, to G & H Technology, Inc. Electrical connector for diverting EMP. 4,813,891, 3-21-89, Cl. 439-620.000.
Walters, Harry, to Oberg Industries, Inc. Method and apparatus for detecting a misfeed in a stamping press. 4,855,606, 8-8-89, Cl. 250-548.000.
Walters, Harry, to Oberg Industries, Inc. Sheet strip material misfeed detector. 4,886,973, 12-12-89, Cl. 250-548.000.
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Walters, John E., to Metallifacture, Ltd. Hand brake assembly for a vehicle. 4,854,187, 8-8-89, Cl. 74-535.000.
Walters, Jon S.; and Boatwright, Neil, to American General Products, Inc. Adjustable gas tube assembly. 4,827,899, 5-9-89, Cl. 126-41.00R.
Walters, Jon S.; and Boatwright, Neil, to American General Products, Inc. Gas burner adaptor manifold assembly. 4,836,180, 6-6-89, Cl. 126-41.00R.
Walters, Jon S., to American General Products, Inc. Solar activated gas light control module. 4,867,191, 9-19-89, Cl. 137-78.100.
Walters, Jon S.: *See—*
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Walters, Lonnie D. Heat recovery apparatus. 4,887,586, 12-19-89, Cl. 126-101.000.
alters, Michael A., to Eastman Kodak Company. Ink cartridge and housing construction for multicolor ink jet printing apparatus. 4,853,708, 8-1-89, Cl. 346-75.000.
Walters, Michael D.; Pernyeszi, Joseph; and Petrilla, John F., to Hewlett-Packard Company. Solid state relay with optically controlled shunt and series enhancement circuit. 4,864,126, 9-5-89, Cl. 250-551.000.
Walters, Nigel J., to U.S. Philips Corporation. Receiver for frequency hopped signals. 4,843,638, 6-27-89, Cl. 455-318.000.
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Walters, Paul W.; Busch, Lloyd E.; and Zandona, Oliver J., to Ashland Oil, Inc. Method and apparatus for cooling fluid solid particles used in a regeneration system. 4,822,761, 4-18-89, Cl. 502-38.000.
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Waltert, Erich, to SORG GmbH & Co. KG. Feeding apparatus for glass melting furnaces. 4,854,959, 8-8-89, Cl. 65-335.000.
Waltert, Erich, to Sorg GmbH & Co. KG., Firma. Method and apparatus for recovering glass from old glass. 4,867,384, 9-19-89, Cl. 241-24.000.
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Walther, Dieter. Golf club head. 4,824,115, 4-25-89, Cl. 273-169.000.
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Walther, Gerd-Jurgen; Wech, Herbert; and Wippich, Heinz-Georg, to Licentia Patent-Verwaltungs-GmbH. Rotation system for a rotating, tilting reflector. 4,832,425, 5-23-89, Cl. 350-6.500.
Walther, Gerhard: *See—*
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Walther, Hans-Joachim, to Dragerwerk Aktiengesellschaft. Lung-controlled valve for respirator masks having positive pressures inside the mask. 4,796,619, 1-10-89, Cl. 128-204.190.
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Walther, John D. Shock proof carrying enclosure for musical instrument. 4,846,340, 7-11-89, Cl. 206-14.000.
Walther, Karl G.; and Walther, Ronald G., to Magfoil & Inspektionstechniken GmbH. Apparatus for marking individual points of an underwater construction. 4,888,745, 12-19-89, Cl. 367-129.000.
Walther, Lawrence E., to Eastman Kodak Company. System which uses threshold counts to achieve automatic focus. 4,843,413, 6-27-89, Cl. 354-402.000.
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Walton, Ballard E.; Gouldbourn, George A.; and Banner, Alvin C., to Statomat-Globe, Inc. Winding form assembly. 4,830,297, 5-16-89, Cl. 242-7.05B.
Walton, Charles A. Proximity identification system with lateral flux magnetic rod coupling. 4,888,474, 12-19-89, Cl. 235-449.000.
Walton, Charles F.; Sucheski, Robert J.; Bridenbaugh, James F.; and Chapman, James J., to Smithers-Oasis Company. Floral container and water reservoir. 4,858,381, 8-22-89, Cl. 47-79.000.
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Walton, Erlen B., to Eaton Corporation. Speed responsive rear wheel steering. 4,838,374, 6-13-89, Cl. 180-140.000.
Walton, Frank A.; and Perrinet, Paul M., to Walton, Frank A. Liquid injection apparatus having an external adjustor. 4,809,731, 3-7-89, Cl. 137-99.000.
Walton, Herbert H.; and Grabenbauer, Philip L., to Fisher Controls International, Inc. Sanitary valve. 4,813,648, 3-21-89, Cl. 251-304.000.
Walton, Ian G., to Imperial Chemical Industries Plc. Dual-cure cement. 4,886,843, 12-12-89, Cl. 522-174.000.
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Walton, Jim M.; and Munson, Arthur E., to United States of America, Navy. Apparatus for deploying and recovering a seaborne vessel. 4,876,979, 10-31-89, Cl. 114-258.000.

Walton, John M.: *See—*
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Walton, John N., to Hedley Purvis Limited. Torque wrenches. 4,854,197, 8-8-89, Cl. 81-57.390.
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Walton, Paul G.; and Little, Percy A. Triangular oil well drill bit for use in unconsolidated formations. 4,819,747, 4-11-89, Cl. 175-385.000.
Walton, R. Thomas, to Hughes Aircraft Company. Integrated circuit package carrier and test device. 4,843,313, 6-27-89, Cl. 324-158.00F.
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Walton, William B., to GAF Corporation. Method for removal of paraffin from producing oil wells. 4,813,482, 3-21-89, Cl. 166-267.000.
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  - Jan, Chaur-Ming; and Oehling, Mark E., 4,875,435, Cl. 118-62.000.
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  - Kester, Jeffrey A.; Moos, Walter H.; and Thomas, Anthony J., 4,855,308, Cl. 514-332.000.
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  - Krause, Brian R., 4,859,703, Cl. 514-543.000.
  - Lynch, Donald M.; and Appelbaum, Benjamin, 4,828,849, Cl. 424-52.000.
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  - Mahjour, Majid; Mauser, Bernadette E.; and Fawzi, Mahdi B., 4,879,297, Cl. 514-282.000.
  - Mich, Thomas F.; and Heifetz, Carl L., 4,851,415, Cl. 514-278.000.
  - Moos, Walter H.; and Thomas, Anthony J., 4,797,419, Cl. 514-588.000.
  - Motta, Vincent C., 4,797,998, Cl. 30-87.000.
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  - O'Brien, Denise M.; and Croce, Carlo P., 4,838,425, Cl. 206-531.000.
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  - Oppenheimer, Alfred; Glass, Michael; and Cherukuri, Subraman R., 4,832,962, Cl. 426-3.000.
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  - Rieger, Martin M.; and Yang, Robert K., 4,855,145, Cl. 426-003.000.
  - Roth, Bruce D.; and Sliskovic, Drago R., 4,808,621, Cl. 514-341.000.
  - Sanchez, Joseph P., 4,851,418, Cl. 514-300.000.
  - Scheurer, Heinrich P.; and McNamee, Adrian G., 4,882,161, Cl. 424-441.000.
  - Scnobel, Alexander M.; and Yang, Robert K., 4,824,681, Cl. 426-5.000.
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  - Gupta, Y. M.; and Horn, Paul D., 4,805,461, Cl. 73-800.000.
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  - Wissman, Edward E., 4,805,862, Cl. 248-229.000.
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- Rosebrock, Henning; Jung, Johann; Rademacher, Wilhelm; Luib, Max; Fischer, Volker; Hager, Helmut; Kohler, Rolf-Dieter; Markert, Juergen; and Watanabe, Akihide, 4,857,103, Cl. 71-94.000.

Watanabe, Akihiro; and Mori, Shigeo, to NGK Insulators, Ltd. Anti-corrosive insulator. 4,814,551, 3-21-89, Cl. 174-189.000.

Watanabe, Akihiro: *See—*
- Ohtani, Ikuji; Watanabe, Akihiro; Wada, Akihiro; and Kakuta, Rin-ichi, 4,820,778, Cl. 525-329.900.

Watanabe, Akihito: *See—*
- Suzuki, Toru; Sakamoto, Masahide; and Watanabe, Akihito, 4,799,380, Cl. 73-116.000.

Watanabe, Akio; and Doyama, Toshiaki, to Dai-ichi Kogyo Seiyaku Co., Ltd. Antistatic agent. 4,831,098, 5-16-89, Cl. 528-45.000.

Watanabe, Akio: *See—*
- Ueda, Minoru; Watanabe, Akio; and Shimamune, Takayuki, 4,822,459, Cl. 204-38.100.

Watanabe, Akira: *See—*
- Matsumoto, Masahiro; Watanabe, Akira; Ohhashi, Kazuo; and Itao, Minoru, 4,845,709, Cl. 370-86.000.
- Ozawa, Kazuyuki; and Watanabe, Akira, 4,847,610, Cl. 340-825.160.

Watanabe, Akiyoshi: *See—*
- Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,814,838, Cl. 357-22.000.
- Kuroda, Takao; Watanabe, Akiyoshi; Tsuji, Shinji; Ohishi, Akio; and Matsumura, Hiroyoshi, 4,819,036, Cl. 357-4.000.
- Kuroda, Takao; Watanabe, Akiyoshi; Miyazaki, Takao; and Matsumura, Hiroyoshi, 4,835,581, Cl. 357-16.000.

Watanabe, Atsumi: *See—*
- Tsuboi, Nobuyoshi; Watanabe, Atsumi; Sato, Yoshio; Shimada, Satoshi; and Sasaki, Hiroshi, 4,841,514, Cl. 369-100.000.

Watanabe, Atsuo; Nagano, Takahiro; Ikeda, Takahide; Momma, Naohiro; and Saito, Ryuichi, to Hitachi, Ltd. Complementary semiconductor device. 4,862,240, 8-29-89, Cl. 357-42.000.

Watanabe, Atsuo: *See—*
- Ikeda, Takahide; Watanabe, Atsuo; Mukai, Touji; Odaka, Masanori; and Ogiue, Katsumi, 4,799,098, Cl. 357-43.000.

Watanabe, Atsushi: *See—*
- Endou, Masao; Asakura, Yamato; Watanabe, Atsushi; Sakagami, Masaharu; Uchida, Shunsuke; Nagase, Makoto; Baba, Tsutomu; and Ohsumi, Katsumi, 4,853,638, Cl. 324-441.000.
- Kawakami, Hiroshi; Shiratori, Harunori; Sugihara, Koichi; Watanabe, Atsushi; and Kishida, Fumio, 4,858,713, Cl. 180-143.000.
- Kobayashi, Nobuo; Tanimoto, Iwao; Watanabe, Atsushi; and Shinto, Hiroaki, 4,800,770, Cl. 74-422.000.

Watanabe, Azuma: *See—*
- Yoshioka, Takeo; Chida, Noritaka; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,812,563, Cl. 540-302.000.

Watanabe, Chiharu: *See—*
- Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, 4,841,748, Cl. 66-218.000.

Watanabe, Chuichi, to Dow Chemical Company, The. Variable flow capillary gas chromatography method. 4,872,334, 10-10-89, Cl. 73-23.100.

Watanabe, Eifu, to Sanshin Kogyo Kabushiki Kaisha. Outboard motors. 4,828,519, 5-9-89, Cl. 440-88.000.

Watanabe, Eiji: *See—*
- Hori, Katsuyoshi; Myoga, Toshiharu; Shinomiya, Miharu; Watanabe, Eiji; Kusano, Kazuki; Takuwa, Toshiaki; and Hafuri, Miharu, 4,801,781, Cl. 219-137.710.

Watanabe, Eric R. Disposable animal waste collector. 4,830,419, 5-16-89, Cl. 294-1.300.

Watanabe, Fumihiko: *See—*
- Narisada, Masayuki; Ohtani, Mitsuaki; Watanabe, Fumihiko; Hagishita, Sanji; Seno, Kaoru; Kamata, Susumu; Haga, Nobuhiro; Tsuri, Tatsuo; Tsushima, Tadahiko; and Kawada, Kenji, 4,861,913, Cl. 562-427.000.

Watanabe, Fumio, to Tokyo Shibaura Denki Kabushiki Kaisha. Immunoassay method and immunoreactive cell reagent. 4,820,634, 4-11-89, Cl. 435-7.000.

Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, to Watanabe Kutsushita Kogyo Co., Ltd. Jacquard circular knitting machine. 4,841,748, 6-27-89, Cl. 66-218.000.

Watanabe, Fumio: *See—*
- Nomoto, Shinichi; Mizuguchi, Yoshihiko; and Watanabe, Fumio, 4,811,029, Cl. 343-779.000.

Watanabe, Goro: *See—*
- Sugimoto, Hisashi; and Watanabe, Goro, 4,851,636, Cl. 219-121.590.

Watanabe, Hajime: *See—*
- Hiroki, Hisayuki; Ariga, Yoshio; and Watanabe, Hajime, 4,856,768, Cl. 271-186.000.

Watanabe, Haruo: *See—*
- Okamoto, Yoshio; Nakamura, Yozo; Uchiyama, Kyoichi; Watanabe, Haruo; Kosuge, Tokuo; Onishi, Akira; Terasaki, Akashi; Ando, Hiroyuki; and Hamashima, Eiji, 4,887,769, Cl. 239-493.000.

Watanabe, Hazime. Device for medically treating hip joint insufficiency, etc. 4,879,994, 11-14-89, Cl. 128-70.000.

Watanabe, Hideaki: *See—*
- Kinoshita, Ryoji; Misawa, Keizou; Watanabe, Hideaki; Aoki, Hidehiko; Kurokawa, Toshio; and Ono, Hidefumi, 4,825,617, Cl. 52-573.000.

Watanabe, Hideki: *See—*
- Takenaka, Takaji; Watanabe, Hideki; and Kobayashi, Fumiyuki, 4,836,434, Cl. 228-179.000.

Watanabe, Hideo, to Hitachi, Ltd. Vacuum circuit breaker. 4,798,921, 1-17-89, Cl. 200-144.00B.

Watanabe, Hideo, to Fuji Photo Film Co., Ltd. Method of recording continuous tone image. 4,805,973, 2-21-89, Cl. 350-66.000.

Watanabe, Hideo; and Ohashi, Yoshinobu, to Yokohama Rubber Co., Ltd., The. Ultraviolet-curing resin composition. 4,812,489, 3-14-89, Cl. 522-42.000.,

Watanabe, Hideo; and Shoji, Takashi, to Fuji Photo Film Co., Ltd. Laser beam recording apparatus. 4,831,626, 5-16-89, Cl. 372-29.000.

Watanabe, Hideo, to Komori Printing Machinery Co., Ltd. Side lay control apparatus for sheet-fed printing press. 4,841,859, 6-27-89, Cl. 101-233.000.

Watanabe, Hideo, to Fuji Photo Film Co., Ltd. Radiation image read-out method and apparatus. 4,849,632, 7-18-89, Cl. 250-327.200.

Watanabe, Hideo; and Kurata, Yoshiaki, to Komori Printing Machinery Co., Ltd. Measurement position synchronization method for a scanning densitometer. 4,874,247, 10-17-89, Cl. 356-402.000.

Watanabe, Hideo: *See—*
- Ohara, Yuji; Watanabe, Hideo; and Shoji, Takashi, 4,814,791, Cl. 346-108.000.

- Ohara, Yuji; and Watanabe, Hideo, 4,858,019, Cl. 358-474.000.
- Ohta, Tatsuo; Watanabe, Hideo; and Inaba, Mayumi, 4,835,061, Cl. 428-469.000.
- Saotome, Shigeru; Ishida, Masamitsu; Shimura, Kazuo; and Watanabe, Hideo, 4,851,675, Cl. 250-327.200.
- Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.
- Shoji, Takashi; Tomita, Takenori; and Watanabe, Hideo, 4,849,980, Cl. 372-29.000.
- Tajima, Kenji; Takahashi, Motoaki; Watanabe, Hideo; Shoji, Takashi; and Arai, Noboru, 4,853,724, Cl. 354-277.000.
- Watanabe, Hideomi: *See—*
  - Hasumi, Kazuo; Watanabe, Hideomi; Okita, Tsutomu; Ryoke, Katsumi; and Kosha, Hideaki, 4,886,703, Cl. 428-323.000.
  - Nishiumi, Kenichi; and Watanabe, Hideomi, 4,812,802, Cl. 338-128.000.
- Watanabe, Hideyuki: *See—*
  - Fujiwara, Tatsuro; Watanabe, Hideyuki; and Sakakibara, Hideo, 4,804,749, Cl. 536-7.100.
- Watanabe, Hirozki, to Fuji Kagakushi Kogyo Co., a part interest. Method for using and reusing correction tape assembly. 4,798,490, 1-17-89, Cl. 400-697.100.
- Watanabe, Hirokazu, to Yoshida Kogyo K. K. Open-faced buttons. 4,809,407, 3-7-89, Cl. 24-95.000.
- Watanabe, Hirokazu, to Yoshida Kogyo K. K. Open-faced button. 4,815,173, 3-28-89, Cl. 24-90.00R.
- Watanabe, Hirokazu; and Shinmi, Masamichi, to Yoshida Kogyo K. K. Ornamental button. 4,858,281, 8-22-89, Cl. 24-113.0MP.
- Watanabe, Hiroko: *See—*
  - Moriguchi, Soyao; Suzuki, Hiroshi; Watanabe, Hiroko; Satoh, Motoaki; Abe, Michio; and Iwata, Yasuo, 4,879,340, Cl. 525-54.200.
- Watanabe, Hiromi: *See—*
  - Hayashi, Tamotsu; Takekawa, Ryoichi; and Watanabe, Hiromi, 4,814,038, Cl. 156-471.000.
- Watanabe, Hiromitsu, to Yamaha Hatsudoki Kabushiki Kaisha. Final drive assembly for three wheeled vehicles. 4,811,810, 3-14-89, Cl. 180-215.000.
- Watanabe, Hiroshi, to Toppan Moore Company, Ltd. Selectable data readout IC card. 4,797,543, 1-10-89, Cl. 235-492.000.
- Watanabe, Hiroshi, to Toppan Moore Company, Ltd. IC card. 4,798,941, 1-17-89, Cl. 235-380.000.
- Watanabe, Hiroshi; and Suzuki, Masanobu, to New Japan Radio Co., Ltd. Low noise microwave amplifier. 4,803,446, 2-7-89, Cl. 333-26.000.
- Watanabe, Hiroshi, to NEC Corporation. Integrated circuit with function of monitoring an internal signal. 4,807,197, 2-21-89, Cl. 365-222.000.
- Watanabe, Hiroshi; Asano, Takashi; Ikeda, Hiroaki; Imazeki, Shuichi; Shiiya, Yoshitaka; and Nishikawa, Yasushi, to NEC Corporation. Semiconductor memory having high-speed serial access scheme. 4,811,305, 3-7-89, Cl. 365-239.000.
- Watanabe, Hiroshi, to Toppan Moore Company, Inc. IC card having state marker for record access. 4,829,169, 5-9-89, Cl. 235-492.000.
- Watanabe, Hiroshi; and Okubo, Yoshihide, to Toppan Moore Company, Ltd. Composite IC card. 4,849,614, 7-18-89, Cl. 235-379.000.
- Watanabe, Hiroshi; and Nagasawa, Satoshi, to Futaba Denshi Kogyo Kabushiki Kaisha. Fluorescent display device. 4,868,555, 9-19-89, Cl. 340-783.000.
- Watanabe, Hiroshi; Miura, Osamu; Miyazaki, Kunio; Numata, Shunichi; and Otsuka, Kanji, to Hitachi, Ltd. Process for forming wiring on substrate. 4,886,573, 12-12-89, Cl. 156-643.000.
- Watanabe, Hiroshi: *See—*
  - Furukawa, Nobuhiro; Saito, Toshihiko; Nakane, Ikuro; and Watanabe, Hiroshi, 4,820,599, Cl. 429-194.000.
  - Izumi, Eiki; Tanaka, Yasuo; Watanabe, Hiroshi; and Nakamura, Shigetaka, 4,809,504, Cl. 60-430.000.
  - Kuzuno, Katsutoshi; Ishizuka, Shigeo; Sakurai, Kazuaki; and Watanabe, Hiroshi, 4,820,181, Cl. 439-272.000.
  - Kuzuno, Katsutoshi; Watanabe, Hiroshi; and Ishizuka, Shigeo, 4,880,943, Cl. 174-72.00A.
  - Morimoto, Kiyoshi; Watanabe, Hiroshi; Itoh, Shigeo; Ogawa, Yukio; and Uzawa, Satoshi, 4,881,005, Cl. 313-422.000.
  - Moriya, Shigeru; Hijikata, Sadao; Izuhara, Yasuyuki; Harada, Akihiro; Tsuzuki, Kunimasa; Nimura, Shigeki; and Watanabe, Hiroshi, 4,867,829, Cl. 156-251.000.
  - Nishikawa, Masumi; Ishikawa, Masanobu; and Watanabe, Hiroshi, 4,819,498, Cl. 74-493.000.
  - Teshigawara, Toru; Terao, Kazuo; Watanabe, Hiroshi; and Shimizu, Yukihiko, 4,803,565, Cl. 358-300.000.
- Watanabe, Hiroyuki, to Pilot Precision Kabushiki Kaisha. Mechanical pencil capable of automatically propelling successive lengths of lead. 4,840,508, 6-20-89, Cl. 401-65.000.
- Watanabe, Hiroyuki: *See—*
  - Ohyama, Tetsuo; Akita, Shuichi; Watanabe, Hiroyuki; and Ueda, Akio, 4,848,511, Cl. 180-312.000.
  - Sakami, Yasuo; Okina, Shigetaka; Tsubouchi, Junichi; Izaki, Shozo; Fukushima, Toshitaka; Watanabe, Hiroyuki; and Ishizaki, Masao, 4,839,854, Cl. 364-900.000.
  - Yunoki, Yutaka; Inoue, Manabu; and Watanabe, Hiroyuki, 4,862,304, Cl. 360-121.000.
- Watanabe, Hisashi, to Nippon Steel Chemical Co., Ltd. Resins of low thermal expansivity. 4,847,353, 7-11-89, Cl. 528-353.000.
- Watanabe, Hitoshi: *See—*
  - Hashimoto, Shogo; and Watanabe, Hitoshi, 4,814,115, Cl. 261-44.300.
- Watanabe, Ichiro; Ogawa, Yasuo; and Seki, Susumu, to Nitto Chemical Industry Co., Ltd.; and Mitsubishi Rayon Co., Ltd. Method for producing acrylamide using a microorganism. 4,851,342, 7-25-89, Cl. 435-129.000.
- Watanabe, Ichiro: *See—*
  - Yamada, Hideaki; Enomoto, Kanehiko; and Watanabe, Ichiro, 4,880,739, Cl. 435-129.000.
- Watanabe, Ikuo, to Usui Kokusai Sangyo Kabushiki Kaisha. Slender tube connector. 4,875,711, 10-24-89, Cl. 285-45.000.
- Watanabe, Isamu; Kamiya, Kazuhiro; Toru, Takahiro; and Mori, Toshihito, to Kowa Company Ltd. Aminoglycoside compounds, processes for production thereof, and pharamaceutical composition containing the same. 4,855,287, 8-8-89, Cl. 514-41.000.
- Watanabe, Isao; and Fujihira, Yasushi, to Bridgestone Corporation. Air springs. 4,807,858, 2-28-89, Cl. 267-64.270.
- Watanabe, Isao: *See—*
  - Goshima, Norio; and Watanabe, Isao, 4,854,557, Cl. 267-64.270.
  - Nakatsu, Keiji; Hayashi, Shigeo; Ogawa, Masaharu; Itou, Osamu; Watanabe, Isao; and Tanaka, Kunimaro, 4,835,752, Cl. 369-32.000.
- Watanabe, Isato; Yamamoto, Shigehiko; Taguchi, Sadanori; and Sasai, Susumu, to Hitachi, Ltd. Oxidation resistant impregnated cathode. 4,855,637, 8-8-89, Cl. 313-346.00R.
- Watanabe, Isato: *See—*
  - Hayakawa, Tsuyoshi; Yamauchi, Satoru; Watanabe, Isato; and Kondo, Isao, 4,796,239, Cl. 368-88.000.
- Watanabe, Iwao: *See—*
  - Hipple, James E.; Dionne, Gerald L.; Toru, Yasuhiro; Shimada, Masaru; and Watanabe, Iwao, 4,883,968, Cl. 250-423.00R.
  - Kobayashi, Tokuzo; and Watanabe, Iwao, 4,850,163, Cl. 52-126.600.
  - Toru, Yasuhiro; Matsuo, Seitaro; Watanabe, Iwao; and Shimada, Masaru, 4,857,809, Cl. 315-111.310.
- Watanabe, Izumi; and Yamana, Keiichi, to Fuji Photo Film Co., Ltd. Apparatus for grounding cassette. 4,834,315, 5-30-89, Cl. 242-199.000.
- Watanabe, Izumi; and Yamana, Keiichi, to Fuji Photo Film Co., Ltd. Apparatus for grounding cassette. 4,889,296, 12-26-89, Cl. 242-199.000.
- Watanabe, Izumi: *See—*
  - Imai, Masaru; Ohtsuka, Shuichi; and Watanabe, Izumi, 4,864,3 Cl. 355-245.000.
  - Tashahashi, Minoru; Tokuda, Hiroastu; Watanabe, Izumi; and Nishimura, Yutaka, 4,881,407, Cl. 73-204.160.
- Watanabe, Jin: *See—*
  - Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwata, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, 4,800,66 Cl. 38-93.000.
- Watanabe, Junich; and Yokota, Tohru, to Shin-Etsu Chemical Co., Ltd. Process for producing vinyl chloride copolymer. 4,816,539, 3-28-89, Cl. 526-320.000.
- Watanabe, Junichi; Misumi, Kozo; Miyaguchi, Masanobu; Kadomatsu, Seiji; and Nakazawa, Sei, to Osaka Soda Co., Ltd. Curable chlorinated polyethylene and copolyethylene composition. 4,822,8 4-18-89, Cl. 524-178.000.
- Watanabe, Junichi: *See—*
  - Amano, Tadashi; Okuno, Yoshitaka; and Watanabe, Junichi, 4,826,940, Cl. 526-61.000.
  - Amano, Tadashi; Watanabe, Junichi; and Kitamura, Hajime, 4,845,174, Cl. 526-62.000.
  - Numata, Tatsuo; Hatanaka, Masataka; Watanabe, Junichi; Isa, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, 4,824,474, Cl. 71-92.000.
  - Numata, Tatsuo; Hatanaka, Masataka; and Watanabe, Junichi, 4,837,345, Cl. 549-416.000.
- Watanabe, Junichiro: *See—*
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,814,475, Cl. 556-489.000.
  - Funahashi, Yuichi; Watanabe, Junichiro; Takeda, Kiyoshi; and Matsumoto, Makaoto, 4,876,363, Cl. 549-215.000.
- Watanabe, Junji; and Kessoku, Hirobumi, to Kabushiki Kaisha Toshiba. Color image forming apparatus with color information detection. 4,803,516, 2-7-89, Cl. 355-4.000.
- Watanabe, Junji; and Eguchi, Takeshi, to Kabushiki Kaisha Toshiba. Drive unit for a copying machine. 4,806,968, 2-21-89, Cl. 355-3.00R.
- Watanabe, Junji; and Iseda, Ken, to Kabushiki Kaisha Toshiba. Image forming apparatus. 4,831,457, 5-16-89, Cl. 358-256.000.
- Watanabe, Junji; Iseda, Ken; Fukunaga, Takehito; and Tokutsu, Akihito, to Kabushiki Kaisha Toshiba. Feed apparatus capable of feeding image forming media by relatively small drive power. 4,852,869, 8-1-89, Cl. 271-126.000.
- Watanabe, Junji, to Kabushiki Kaisha Toshiba. Image forming system. 4,868,918, 9-19-89, Cl. 355-233.000.
- Watanabe, Junji; Nonami, Hidetaka; and Eguchi, Takeshi, to Kabushiki Kaisha Toshiba. Developing-unit shifting apparatus with two speed cooling fan. 4,870,456, 9-26-89, Cl. 355-245.000.
- Watanabe, Junji, to Kabushiki Kaisha Toshiba. Image forming apparatus for blanking portions of a document. 4,884,107, 11-28-89, Cl. 355-218.000.
- Watanabe, Junzo; and Kawaberi, Seiji, to Sony Corporation. Linearity correction circuit for television receiver. 4,868,464, 9-19-89, Cl. 315-371.000.

- Watanabe, Kaneo; Iwamoto, Masayuki; and Minami, Koji, to Sanyo Electric Co., Ltd. Photovoltaic device. 4,799,968, 1-24-89, Cl. 136-258.000.
- Watanabe, Kaneo; Matsuoka, Tsugufumi; Nakashima, Yukio; and Haku, Hisao, to Sanyo Electric Co., Ltd. Photovoltaic device with O and N doping. 4,843,451, 6-27-89, Cl. 357-63.000.
- Watanabe, Kaneo: *See—*
  - Iwamoto, Masayuki; Minami, Kouji; and Watanabe, Kaneo, 4,857,115, Cl. 136-249.000.
  - Nakashima, Saburo; Nakayama, Shoichiro; Noguchi, Shigeru; Nakano, Shoichi; Kuwano, Yukinori; Watanabe, Kaneo; and Kuriyama, Hiroyuki, 4,831,429, Cl. 357-30.000.
- Watanabe, Kanji; and Mizoe, Mikio, to Sumitomo Electric Industries, Ltd. Prestressing steel material. 4,849,282, 7-18-89, Cl. 428-321.500.
- Watanabe, Katsuhide: *See—*
  - Hiyama, Hirokuni; Watanabe, Katsuhide; Nakajima, Atsushi; and Murakami, Chikara, 4,885,491, Cl. 310-90.500.
- Watanabe, Katsuju: *See—*
  - Miura, Tohru; Watanabe, Katsuju; Nakayama, Hitoshi; Furuya, Masayuki; and Nagata, Teruyuki, 4,851,590, Cl. 568-750.000.
- Watanabe, Katsuya: *See—*
  - Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazuharu; Yamaguchi, Hiroyuki; and Watanabe, Katsuya, 4,807,206, Cl. 369-32.000.
  - Saito, Yasuhisa; Kanagawa, Shuichi; Watanabe, Katsuya; and Kamio, Kunimasa, 4,871,832, Cl. 528-353.000.
  - Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, 4,888,407, Cl. 525-423.000.
- Watanabe, Katsuyoshi; Miyaoka, Takashi; and Oyamada, Takeo, to Sumitomo Chemical Company, Limited. Binder composition and nonwoven fabrics and impregnated papers using the same. 4,847,143, 7-11-89, Cl. 428-288.000.
- Watanabe, Katsuyuki: *See—*
  - Miike, Akira; Shimizu, Yoshiaki; Tatano, Toshio; and Watanabe, Katsuyuki, 4,851,353, Cl. 436-71.000.
- Watanabe, Kayo; Saito, Akira; and Aoki, Yoshihiro, to Fukubi Kagaku Kogyo Kabushiki Kaisha. Door with an adjustable louver. 4,850,138, 7-25-89, Cl. 49-84.000.
- Watanabe, Kazuaki: *See—*
  - Moroto, Syuzo; Sumiya, Koji; Kobayashi, Yukihiro; Kano, Takenori; Hoshino, Akira; Ando, Yasushi; Watanabe, Kazuaki; and Taga, Yutaka, 4,807,492, Cl. 74-606.00R.
- Watanabe, Kazuhiro; Ota, Makoto; and Imamura, Toshiharu, to Mitsubishi Denki Kabushiki Kaisha. Display device with panels compared to form correction signals. 4,825,201, 4-25-89, Cl. 340-717.000.
- Watanabe, Kazuhiro: *See—*
  - Hakamatsuka, Yasuharu; and Watanabe, Kazuhiro, 4,799,887, Cl. 433-212.100.
  - Hosoi, Toshio; and Watanabe, Kazuhiro, 4,851,146, Cl. 252-102.000.
  - Kawabe, Kenji; Watanabe, Kazuhiro; Namiki, Fumihiro; Iida, Atsuo; and Shimura, Takaki, 4,825,115, Cl. 310-327.000.
- Watanabe, Kazuhisa: *See—*
  - Yoshida, Kiminobu; Shiomi, Akio; and Watanabe, Kazuhisa, 4,812,154, Cl. 65-3.110.
- Watanabe, Kazuo; Kohri, Shumpei; and Araki, Shigeo, to Sony Corporation. Bit line driver. 4,802,128, 1-31-89, Cl. 365-203.000.
- Watanabe, Kazuo; Furihata, Makoto; and Yamazaki, Kouichi, to Hitachi, Ltd. Tri-state IIL gate. 4,841,484, 6-20-89, Cl. 365-190.000.
- Watanabe, Kazuo; and Yano, Masatoshi, to Sony Corporation. Memory circuit with active load. 4,845,672, 7-4-89, Cl. 365-190.000.
- Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, to Fuji Photo Film Co., Ltd. Printing head with current passing through the print wire. 4,859,095, 8-22-89, Cl. 400-124.000.
- Watanabe, Kazuo; Takahashi, Yutaka; and Takimoto, Masaaki, to Fuji Photo Film Co., Ltd. Printing head for a wire dot printer. 4,871,271, 10-3-89, Cl. 400-124.000.
- Watanabe, Kazuo; Nishimura, Toshiharu; and Kakutani, Masaki, to Konishiroku Photo Industry Co., Ltd. Image forming apparatus capable of processing various kinds of photosensitive material. 4,872,033, 10-3-89, Cl. 355-27.000.
- Watanabe, Kazuo; and Yumoto, Akira, to Sony Corporation. Semiconductor memory device. 4,881,203, 11-14-89, Cl. 365-203.000.
- Watanabe, Kazuo: *See—*
  - Takamura, Yoshinobu; Katsumura, Norimichi; Osawa, Nebuhiko; and Watanabe, Kazuo, 4,882,546, Cl. 329-310.000.
- Watanabe, Kazushi: *See—*
  - Hiramatsu, Rihei; Imano, Seiji; Watanabe, Kazushi; and Takeishi, Shinzo, 4,888,672, Cl. 363-49.000.
- Watanabe, Keiichi: *See—*
  - Ninomiya, Yoshiki; Sugimoto, Gunji; Hongo, Takero; Watanabe, Keiichi; and Arakawa, Hideo, 4,809,178, Cl. 364-443.000.
- Watanabe, Keiichiro; and Ohashi, Tsuneaki, to NGK Insulators, Ltd. Heat resisting low expansion zirconyl phosphate-zircon composite. 4,883,781, 11-28-89, Cl. 501-102.000.
- Watanabe, Keiichiro; and Ohashi, Tsuneaki, to NGK Insulators, Ltd. Zirconyl phosphate sintered bodies and production thereof. 4,888,312, 12-19-89, Cl. 501-102.000.
- Watanabe, Keiichirou: *See—*
  - Hama, Masaaki; Watanabe, Keiichirou; and Ishimaru, Hiroshi, 4,818,559, Cl. 427-2.000.
- Watanabe, Keiji: *See—*
  - Saito, Masato; Fukuyama, Keiji; Ishida, Masako; Watanabe, Keiji; Kamata, Toyokazu; and Sano, Kinjiro, 4,797,593, Cl. 313-346.00R.
  - Sano, Kinjiro; Kamata, Toyokazu; Fukuyama, Keiji; Saito, Masato; and Watanabe, Keiji, 4,864,187, Cl. 313-346.00R.
- Watanabe, Keisuke: *See—*
  - Okuyama, Hideaki; Kusumoto, Shigehiro; Watanabe, Keisuke; and Nagai, Kiyoshi, 4,852,958, Cl. 350-96.130.
- Watanabe, Kenichi; Takehara, Shin; Shimoe, Hiroo; Miyoshi, Akihiko; and Kamimura, Shoich, to Mazda Motor Corporation. Vehicle suspension system having variable suspension properties. 4,830,397, 5-16-89, Cl. 280-707.000.
- Watanabe, Kenichi, to Mazda Motor Corporation. Control in a vehicle four wheel steering system. 4,874,054, 10-17-89, Cl. 180-140.000.
- Watanabe, Kenichi: *See—*
  - Tamotu, Simada; Kambara, Hideki; Harada, Yoshinori; Watanabe, Kenichi; and Tokita, Jiro, 4,830,830, Cl. 422-71.000.
- Watanabe, Kenji, to Sharp Kabushiki Kaisha. AC input free power source. 4,843,536, 6-27-89, Cl. 363-89.000.
- Watanabe, Kenji: *See—*
  - Yoshioka, Keiichi; Watanabe, Kenji; and Kato, Yasushi, 4,885,215, Cl. 428-632.000.
- Watanabe, Kenjiro; and Shimoda, Junji, to Canon Kabushiki Kaisha. Ink jet recording apparatus having a cap for maintaining a clean discharge port. 4,847,637, 7-11-89, Cl. 346-140.00R.
- Watanabe, Kenjiro, to Canon Kabushiki Kaisha. Liquid jet recording apparatus capable of being driven at selected different frequencies. 4,866,462, 9-12-89, Cl. 346-140.00R.
- Watanabe, Kikuo; Kobayashi, Mitsuo; Hirose, Noboru; and Sato, Keiichi, to Brother Kogyo Kabushiki Kaisha. Machine tool. 4,813,122, 3-21-89, Cl. 29-568.000.
- Watanabe, Kiminori: *See—*
  - Nakagawa, Akio; Ohashi, Hiromichi; Yamaguchi, Yoshihiro; Watanabe, Kiminori; and Thukakoshi, Thuneo, 4,881,120, Cl. 357-23.400.
  - Yamaguchi, Yoshihiro; Watanabe, Kiminori; Nakagawa, Akio; Furukama, Kazuyoshi; Fukuda, Kiyoshi; and Tanzawa, Katsujiro, 4,878,957, Cl. 148-33.300.
- Watanabe, Kiyoshi; Takeuchi, Tohru; Ohtake, Hideaki; and Fujita, Ichiro, to Fujitsu Limited. Method of producing semiconductor device having multilayer conductive lines. 4,816,424, 3-28-89, Cl. 437-190.000.
- Watanabe, Kiyoshi: *See—*
  - Hamaguchi, Shigeki; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,863,859, Cl. 435-130.000.
  - Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,859,661, Cl. 514-183.000.
  - Katayama, Kazuhiko; Hamaguchi, Shigeki; Kogame, Yoshikazu; Ohashi, Takehisa; and Watanabe, Kiyoshi, 4,814,506, Cl. 564-292.000.
  - Kutsuki, Hidetoshi; Sawa, Ikuo; Mori, Natsuki; Hasegawa, Junzo; and Watanabe, Kiyoshi, 4,857,468, Cl. 435-280.000.
  - Masumoto, Hakaru, deceased; Watanabe, Kiyoshi; and Matushima, Hiroshi, executor, 4,814,027, Cl. 148-300.000.
  - Masumoto, Hakaru, deceased; Matushima, Hiroshi, executor; and Watanabe, Kiyoshi, 4,863,530, Cl. 148-101.000.
  - Ohashi, Takehisa; Kan, Kazunori; Ueyama, Noboru; Sada, Isao; Miyama, Akimasa; and Watanabe, Kiyoshi, 4,861,877, Cl. 540-357.000.
  - Shiraishi, Tadayoshi; Imai, Naohiro; Domoto, Takeshi; Kameyama, Keiji; Katsumi, Ikuo; Hidaka, Takayoshi; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,853,403, Cl. 514-404.000.
  - Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.
- Watanabe, Koichi: *See—*
  - Satoh, Hiroaki; Koyama, Hiroyasu; Suzuki, Yoshikuni; Sugai, Toshiji; and Watanabe, Koichi, 4,877,797, Cl. 514-314.000.
- Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, to Konishiroku Photo Industry Co., Ltd. Camera. 4,827,304, 5-2-89, Cl. 354-435.000.
- Watanabe, Koji: *See—*
  - Kaneko, Yoshio; Fukuhara, Kunihiro; and Watanabe, Koji, 4,821,381, Cl. 24-297.000.
- Watanabe, Kouichi; Maesaka, Michinobu; and Murata, Michihiro, to Murata Manufacturing Co., Ltd. Electric double-layer capacitor. 4,803,597, 2-7-89, Cl. 361-502.000.
- Watanabe, Kouichi; and Heinouchi, Yoshiaki, to Murata Manufacturing Co., Ltd. Electric double-layer capacitor. 4,827,380, 5-2-89, Cl. 361-502.000.
- Watanabe, Kouichi: *See—*
  - Endo, Masanori; and Watanabe, Kouichi, 4,876,631, Cl. 361-502.000.
- Watanabe, Kozo: *See—*
  - Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
  - Tsubata, Noritaka; Tanikawa, Koichi; and Watanabe, Kozo, 4,823,446, Cl. 24-389.000.
- Watanabe, Kunio; Nishimura, Satoshi; and Kaneko, Kunishige, to Nippon Steel Corporation. Iron/copper/chromium alloy material for high-strength lead frame or pin grid array. 4,869,758, 9-26-89, Cl. 148-326.000.
- Watanabe Kunio: *See—*
  - Yoshikawa, Akihisa; Tajima, Masamichi; Watanabe Kunio; and Sato, Toshiharu, 4,889,036, Cl. 91-403.000.

Watanabe, Kuniya, to Tohoku Electric Power Company, Incorporated. Air flow check valve and system incorporating the same. 4,815,286, 3-28-89, Cl. 60-398.000.

Watanabe Kutsushita Kogyo Co., Ltd.: *See—*
- Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, 4,841,748, Cl. 66-218.000.

Watanabe, Makoto: *See—*
- Morioka, Koji; and Watanabe, Makoto, 4,818,388, Cl. 210-167.000.
- Takao, Shoji; Nakashima, Hiroshi; Tokumoto, Mako; Saitoh, Makoto; and Watanabe, Makoto, 4,855,159, Cl. 426-656.000.
- Takao, Shoji; Nakashima, Hiroshi; Watanabe, Makoto; Saitoh, Makoto; Chiba, Kyoko; and Suzuki, Kazuo, 4,882,180, Cl. 426-46.000.
- Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, 4,864,322, Cl. 343-903.000.

Watanabe, Mamoru: *See—*
- Fujiki, Yoshinori; Watanabe, Mamoru; Sasaki, Takayoshi; Onoda, Yoshito; Ohachi, Tadashi; and Mitsuhashi, Takefumi, 4,818,735, Cl. 501-134.000.

Watanabe, Masaaki: *See—*
- Kamiya, Takashi; Suzuki, Masaya; Obata, Yoshinori; Watanabe, Masaaki; and Matsuoka, Isao, 4,871,596, Cl. 428-15.000.

Watanabe, Masahiro: *See—*
- Fukaya, Chikara; Naito, Youichiro; Hanada, Shuichi; Watanabe, Masahiro; and Yokoyama, Kazumasa, 4,868,201, Cl. 514-420.000.
- Kato, Takeo; Kobayashi, Shingo; Takagi, Kazuo; Watanabe, Masahiro; and Kaneko, Kiyoshi, 4,881,173, Cl. 364-431.070.
- Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.
- Motoo, Satoshi; and Watanabe, Masahiro, 4,797,380, Cl. 502-159.000.

Watanabe, Masahito: *See—*
- Sugio, Akitoshi; Kawaki, Takao; Kobayashi, Makoto; Hayashi, Katsushige; and Watanabe, Masahito, 4,861,854, Cl. 528-125.000.

Watanabe, Masakazu: *See—*
- Ogawa, Satoshi; Fujikawa, Masanori; and Watanabe, Masakazu, 4,833,871, Cl. 57-6.000.
- Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,800,137, Cl. 428-698.000.
- Okuno, Akiyasu; Watanabe, Masakazu; and Ikoma, Kazuhiko, 4,877,760, Cl. 501-98.000.
- Urashima, Kazuhiro; Watanabe, Masakazu; Tajima, Yo; and Nakanishi, Kenji, 4,880,756, Cl. 501-97.000.

Watanabe, Masami, to Kashima Oil Company, Limited. Method for spinning a petroleum-origin mesophase. 4,814,121, 3-21-89, Cl. 264-29.200.

Watanabe, Masami; and Kuramoto, Masahiko, to Idemitsu Kosan Company Limited. Process for producing propylene oligomers. 4,814,540, 3-21-89, Cl. 585-523.000.

Watanabe, Masanori: *See—*
- Katagiri, Masayuki; Watanabe, Masanori; Uda, Kazutaka; Hijikigawa, Masaya; Tsuchimoto, Shuhei; and Inami, Yasuhiko, 4,859,060, Cl. 356-352.000.
- Sugiura, Hisao; and Watanabe, Masanori, 4,842,860, Cl. 424-403.000.
- Tanaka, Eiichiro; Takimoto, Akio; Akiyama, Koji; Onomichi, Kyoko; Watanabe, Masanori; and Sakahara, Chisato, 4,886,719, Cl. 430-58.000.
- Tsutsui, Hiroshi; Baba, Sueki; Ohmori, Koichi; Ohtsuchi, Tetsuro; and Watanabe, Masanori, 4,883,967, Cl. 250-370.010.

Watanabe, Masao, to Nippon Seiko Kabushiki Kaisha. Webbing for safety belt. 4,800,929, 1-31-89, Cl. 139-383.00R.

Watanabe, Masao; and Nagase, Hiroshi, to Fujikura Kasei Co., Ltd. Negatively chargeable toner for use in dry electrophotography. 4,883,735, 11-28-89, Cl. 430-109.000.

Watanabe, Masao, to Toyota Jidosha Kabushiki Kaisha. Speed detecting apparatus for a vehicle. 4,884,227, 11-28-89, Cl. 364-565.000.

Watanabe, Masaru; and Tabei, Ichiro, to Copal Electronics Co., Ltd. Level winder for double-bearing fishing reel. 4,799,628, 1-24-89, Cl. 242-84.420.

Watanabe, Masaru; and Yamamoto, Osamu, to Fujikoki America, Inc. Expansion valve. 4,819,443, 4-11-89, Cl. 62-225.000.

Watanabe, Masasi: *See—*
- Todoroki, Masaki; Watanabe, Masasi; and Aoki, Hiroyuki, 4,833,926, Cl. 73-862.040.

Watanabe, Masataka; Ohhara, Nobuhiro; and Taguchi, Kenichi, to Shin-Etsu Handotai Co., Ltd. Control of the power to the heater and the speed of movement of a crystal rod by control of the crystal rod diameter. 4,876,438, 10-24-89, Cl. 219-497.000.

Watanabe, Masataka: *See—*
- Ikeda, Yasuhiro; Suzuki, Kunio; Watanabe, Masataka; and Ohara, Nobuhiro, 4,866,230, Cl. 219-10.430.

Watanabe, Masateru: *See—*
- Kaneda, Tokuya; Saito, Akira; Watanabe, Masateru; Osumi, Tomoji; and Suzuki, Nobuo, 4,807,212, Cl. 369-44.000.

Watanabe, Masatoshi: *See—*
- Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

Watanabe, Masaya; and Abe, Shuichi, to Hitachi, Ltd. Virtual machine system with address translation buffer for holding host and plural guest entries. 4,816,991, 3-28-89, Cl. 364-200.000.

Watanabe, Masayuki: *See—*
- Baba, Youichiro; Hashimoto, Hirofumi; and Watanabe, Masayuki, 4,878,649, Cl. 251-121.000.
- Ijiri, Waichiro; Watanabe, Masayuki; and Ohashi, Yoshihiro, 4,865,145, Cl. 180-791.000.
- Terashima, Kazutaka; Watanabe, Masayuki; and Kasami, Akinori, 4,816,240, Cl. 423-299.000.

Watanabe, Masazumi; and Imada, Isuke, to Takeda Chemical Industries, Ltd. Method of producing quinone derivatives. 4,831,265, 5-16-89, Cl. 260-396.00R.

Watanabe, Michihiro: *See—*
- Sato, Kazutaka; Watanabe, Michihiro; Zen, Munetoshi; Ohta, Shigeru; Atoh, Kazuhiko; and Kamachi, Katsuhiko, 4,[illegible], Cl. 346-76.0PH.
- Takagaki, Hidetsugu; Abe, Masayoshi; Watanabe, Michihiro; Takeuchi, Kazuyuki; Nakanishi, Shigenori; Nakata, Yuuko; and Yamazaki, Keiji, 4,874,855, Cl. 540-1.000.

Watanabe, Michio; Ishibashi, Kazuhisa; Matsuno, Kenji; and Kurashima, Hideo, to Toyo Seikan Kaisha, Ltd. Methods and apparatus for manufacturing tubes. 4,800,250, 1-24-89, Cl. 219-121.630.

Watanabe, Michio: *See—*
- Gryouda, Toshio; Inaba, Shouichi; Watanabe, Michio; and Yamaguchi, Kanemichi, 4,885,897, Cl. 53-407.000.
- Matsubayashi, Hiroshi; Aizawa, Masanori; Watanabe, Michio; Shimizu, Takashi; and Ikegami, Tamotsu, 4,887,732, Cl. 220-90.600.
- Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Inaba, Tsuneo; and Kurashima, Hideo, 4,858,782, Cl. 220-458.000.

Watanabe, Mikio; Shimanuki, Koji; and Nishi, Seiki, to Fuji Photo Film Co., Ltd. Memory cartridge and digital electronic still video camera in which said memory cartridge is freely loadable/unloadable. 4,887,161, 12-12-89, Cl. 358-224.000.

Watanabe, Mikio: *See—*
- Hirozumi, Yasuo; Kanematsu, Susumu; Numajiri, Yasuyoshi; Watanabe, Mikio; and Okano, Mitsuhiro, 4,879,491, Cl. 313-318.000.

Watanabe, Minoru; Yokota, Hiroshi; Suzuki, Shuzo; and Suganuma, Hiroshi, to Sumitomo Electric Industries, Ltd. Method for producing a multi-core optical fiber. 4,832,720, 5-23-89, Cl. 65-3.110.

Watanabe, Minoru: *See—*
- Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, [illegible]; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.[illegible]
- Kyoto, Michihisa; Suzuki, Shuzo; Watanabe, Minoru; and Nakahara, Motohiro, 4,804,247, Cl. 350-96.340.
- Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,[illegible], Cl. 65-3.120.
- Yano, Koji; Watanabe, Minoru; Kyoto, Michihisa; and Hoshikawa, Masao, 4,804,393, Cl. 65-3.120.

Watanabe, Mitsuaki: *See—*
- Inoue, Satoru; and Watanabe, Mitsuaki, 4,834,640, Cl. 425-468.000.

Watanabe, Mitsugu: *See—*
- Sawai, Mamoru; Watanabe, Mitsugu; and Kubota, Minoru, 4,850,884, Cl. 439-76.000.
- Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, 4,801,035, Cl. 220-[illegible]

Watanabe, Mitsuru: *See—*
- Kawai, Masanori; Murakami, Kiyotaka; Kurogama, Tatsuji; and Watanabe, Mitsuru, 4,819,083, Cl. 358-294.000.

Watanabe, Miyoichi; and Ueda, Shinobu, to Mitsubishi Denki Kabushiki Kaisha. Amplifier circuit including single capacitor for DC differential-input balance. 4,871,976, 10-3-89, Cl. 330-69.000.

Watanabe, Miyoko: *See—*
- Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.

Watanabe, Naohiro: *See—*
- Sakai, Shunji; Kitagawa, Tohru; Suzuki, Kunikazu; and Watanabe, Naohiro, 4,875,099, Cl. 358-213.110.

Watanabe, Naotake: *See—*
- Orii, Koichi; Ohshima, Iwao; and Watanabe, Naotake, 4,851,[illegible], Cl. 423-335.000.

Watanabe, Naoto; Tanaka, Akira; Matsumoto, Takayuki; Ohmura, Yutaka; and Kojima, Hisao, to Ishikawajima-Harima Heavy Industries Co., Ltd. Vessel lid mounting and demounting apparatus. 4,873,760, 10-17-89, Cl. 29-714.000.

Watanabe, Naotoshi: *See—*
- Maeda, Masahiko; Fujihira, Ryutaro; Moteki, Yoshihiro; Watanabe, Naotoshi; and Sakon, Yuichi, 4,826,726, Cl. 428-375.000.

Watanabe, Noboru: *See—*
- Hanaoka, Seiji; Minowa, Masahiro; Okamura, Masataka; Masumura, Masao; Iwasa, Tooru; Watanabe, Noboru; Miyoshi, Shoichi; and Miyazawa, Norimichi, 4,822,186, Cl. 400-120.000.
- Hirota, Fumio; Kado, Tsutomu; Oku, Shosuke; and Watanabe, Noboru, 4,879,335, Cl. 524-495.000.
- Ishizaka, Yasuo; Watanabe, Noboru; Kimura, Kazuo; and Imaoka, Eiichiro, 4,798,765, Cl. 428-336.000.

Watanabe, Nobuyuki: *See—*
- Honma, Toshio; and Watanabe, Nobuyuki, 4,876,612, Cl. 358-474.000.

Watanabe, Noriko: *See—*
- Terao, Shinji; Azuma, Mitsuyoshi and Watanabe, Noriko, 4,826,872, Cl. 514-474.000.

Watanabe, Noritsugu: *See—*
- Soma, Koroku; Watanabe, Noritsugu; and Taniguro, Masao, 4,796,998, Cl. 356-376.000.

Watanabe, Okosu: *See—*
- Arai, Katsuyuki; Karai, Kenji; Watanabe, Okosu; and Ando, Keiji, 4,850,895, Cl. 439-394.000.
- Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, 4,878,933, Cl. 65-29.000.

Watanabe, Osamu; Kawai, Mituo; and Kawaguchi, Kanzi, to Kabushiki Kaisha Toshiba. Heat-resisting steel turbine part. 4,857,120, 8-15-89, Cl. 148-325.000.

Watanabe, Osamu; Komatsu, Kosuke; Ishibashi, Masaichi; Kimura, Mutsumi; Koyama, Shinsuke; Fujimori, Takahiro; Fujiwara, Tadashi; and Kuroiwa, Junko, to Sony Corporation. Image forming apparatus and method. 4,881,067, 11-14-89, Cl. 340-750.000.

Watanabe, Osamu: *See—*
- Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,803,243, Cl. 525-100.000.
- Fujimoto, Teruo; Shiono, Mikio; Watanabe, Osamu; and Ito, Koichi, 4,864,003, Cl. 525-288.000.
- Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.
- Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.
- Maruyama, Takashi; Watanabe, Osamu; Kitahara, Hidehiko; Fujimori, Tomoo; Soya, Akihiko; and Ootsuki, Katsuhiko, 4,816,859, Cl. 354-400.000.
- Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.

Watanabe, Reiko: *See—*
- [illegible]adio, Masaru; Ouchi, Yoshiaki; Kinoshita, Tadayoshi; Watanabe, Reiko; and Sugai, Shinzo, 4,835,548, Cl. 346-76.0PH.

Watanabe, Rikizo: *See—*
- Ohno, Takehiro; and Watanabe, Rikizo, 4,802,934, Cl. 148-404.000.
- Uehara, Toshihiro; and Watanabe, Rikizo, 4,882,124, Cl. 420-74.000.

Watanabe, Ryoji, to Violet Co., Ltd.; and Wako Technical Co., Ltd., both of. Lubrication boosting additives and lubricating oil compositions comprising the same. 4,826,614, 5-2-89, Cl. 252-54.000.

Watanabe, Ryuji; Andoh, Hisashi; Iwashita, Kiyoji; and Shimizu, Kinko, to Hitachi, Ltd. Method for making vacuum circuit breaker electrodes. 4,836,978, 6-6-89, Cl. 419-10.000.

Watanabe, Saburo, to Koito Seisakusho Co., Ltd. Single-filament headlamp unit capable of throwing both upper and lower beams. 4,857,794, 8-15-89, Cl. 313-113.000.

Watanabe, Sadahiro: *See—*
- Aso, Toshiyuki; Kita, Yuuki; and Watanabe, Sadahiro, 4,857,688, Cl. 219-69.140.

Watanabe, Sadakazu: *See—*
- Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,881,266, Cl. 381-43.000.
- Nitta, Tsuneo; Uehara, Kensuke; and Watanabe, Sadakazu, 4,888,823, Cl. 381-43.000.

Watanabe, Sanae: *See—*
- Deguchi, Takenori; Suzuki, Masaru; Watanabe, Sanae; and Uchida, Kazuko, 4,818,568, Cl. 427-226.000.

Watanabe, Satoshi; Sugahara, Hiroto; and Izaki, Takesi, to Brother Kogyo Kabushiki Kaisha. Image fixing device. 4,872,032, 10-3-89, Cl. 354-297.000.

Watanabe, Satoshi, to Konica Corporation. Voltage regulating device. 4,885,672, 12-5-89, Cl. 363-21.000.

Watanabe, Satoshi: *See—*
- Seki, Mitsuaki; Watanabe, Satoshi; and Miyakawa, Hideaki, 4,881,833, Cl. 400-185.000.

Watanabe, Seiji; Handa, Akio; Hosoya, Eiji; Ishiwatari, Makoto; Kimura, Yoshihiro; and Shibukawa, Takerou, to Honda Giken Kogyo Kabushiki Kaisha. Cooling device for off-road vehicle. 4,828,017, 5-9-89, Cl. 165-41.000.

Watanabe, Seiji: *See—*
- Enokimoto, Akito; Masuda, Tatsuo; Handa, Akio; Hosoya, Eiji; Shibukawa, Takerou; and Watanabe, Seiji, 4,817,985, Cl. 280-690.000.
- Fukuwatari, Ichiro; and Watanabe, Seiji, 4,877,123, Cl. 198-619.000.
- Morimoto, Toshiki; and Watanabe, Seiji, 4,883,980, Cl. 307-465.100.

Watanabe, Shigeomi: *See—*
- Baba, Masatoshi; Kakuta, Takuya; Tanaka, Norio; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Watanabe, Shigeomi, 4,885,022, Cl. 71-86.000.

Watanabe, Shigetoshi; and Toda, Takafumi, to Toko, Inc. Inductance element with core of magnetic thin films. 4,845,454, 7-4-89, Cl. 336-212.000.

Watanabe, Shigeyoshi, to Kabushiki Kaisha Toshiba. Semiconductor memory device. 4,811,290, 3-7-89, Cl. 365-149.000.

Watanabe, Shigeyoshi: *See—*
- Itoh, Yasuo; Horiguchi, Fumio; Watanabe, Shigeyoshi; Ohuchi, Kazunori; and Ogura, Mitsugi, 4,800,530, Cl. 365-189.000.
- Oguara, Mitsugi; Horiguchi, Fumio; and Watanabe, Shigeyoshi, 4,831,433, Cl. 357-68.000.
- Sakui, Koji; and Watanabe, Shigeyoshi, 4,798,977, Cl. 307-446.000.
- Sakui, Koji; and Watanabe, Shigeyoshi, 4,819,207, Cl. 365-222.000.

Watanabe, Shinichi: *See—*
- Fujii, Setsurou; Okutome, Toshiyuki; Nakayama, Toyoo; Nunomura, Shigeki; Sudo, Kimio; Watanabe, Shinichi; Kurumi, Masateru; and Aoyama, Takuo, 4,820,730, Cl. 514-510.000.

Watanabe, Shinji; and Saijo, Akira, to Koito Seisakusho Co., Ltd. Headlight for automobile. 4,845,598, 7-4-89, Cl. 362-61.000.

Watanabe, Shinji; and Saijo, Akira, to Koito Seisakusho Co., Ltd. Headlight for automobile. 4,881,152, 11-14-89, Cl. 362-61.000.

Watanabe, Shinpei: *See—*
- Kaibuki, Shigeo; Watanabe, Shinpei; Takahashi, Mitsugu; and Moriya, Hiroshi, 4,860,424, Cl. 29-434.000.
- Shibata, Ichiroh; and Watanabe, Shinpei, 4,845,477, Cl. 340-703.000.

Watanabe, Shinya: *See—*
- Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shimada, Yoshio; and Watanabe, Shinya, 4,821,115, Cl. 358-75.000.

Watanabe, Shoichi: *See—*
- Inoguchi, Hirokazu; and Watanabe, Shoichi, 4,865,910, Cl. 428-268.000.

Watanabe, Shoji: *See—*
- Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
- Murai, Takaaki; Watanabe, Shoji; Inoue, Kimio; Isobe, Tomohisa; Nakashima, Naoki; Miho, Takuya; and Ikemoto, Yoshiyuki, 4,835,213, Cl. 525-36.000.

Watanabe, Shojiro: *See—*
- Tanji, Hiroaki; Suzuki, Masaharu; Nomura, Kenji; Watanabe, Shojiro; and Kawasaki, Takashi, 4,849,146, Cl. 264-81.000.

Watanabe, Shoyu; Nakano, Masaaki; Iwata, Shuji; Nakajima, Osamu; and Saitoh, Yusaku, to Mitsubishi Denki Kabushiki Kaisha. Input pen data input tablet. 4,868,351, 9-19-89, Cl. 178-19.000.

Watanabe, Shuichi: *See—*
- Ichihara, Takeo; Futami, Takashi; Oda, Nobutaka; and Watanabe, Shuichi, 4,825,344, Cl. 362-80.000.
- Yoshikawa, Masanori; and Watanabe, Shuichi, 4,841,154, Cl. 250-317.100.

Watanabe, Shunichi: *See—*
- Ito, Noriki; Ogawara, Hiroshi; and Watanabe, Shunichi, 4,841,077, Cl. 549-402.000.

Watanabe, Shunnosuke: *See—*
- Iriuchijima, Shinobu; Onodera, Nobuo; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,849,438, Cl. 514-373.000.
- Iriuchijima, Shinobu; Kobayashi, Hirohiko; Masuda, Takahito; Watanabe, Shunnosuke; and Tabata, Hiroshi, 4,855,311, Cl. 514-373.000.

Watanabe, Shunso F.: *See—*
- Klinger, Gary M.; Reichenbach, Thomas G.; and Watanabe, Shunso F., 4,809,179, Cl. 364-424.050.

Watanabe, Shyoichi: *See—*
- Kikuchi, Hiroshi; Watanabe, Shyoichi; and Ohta, Yukio, 4,830,527, Cl. 400-637.200.

Watanabe, Sotoji: *See—*
- Aoki, Toshihisa; and Watanabe, Sotoji, 4,860,378, Cl. 382-61.000.

Watanabe, Souichirou; and Seto, Akira, to Nisshin Oil Mills, Ltd., The. Ingredient effective for activating immunity obtained from *Chlorella minutissima*. 4,831,020, 5-16-89, Cl. 514-54.000.

Watanabe, Sumio: *See—*
- Ichikawa, Masaki; Watanabe, Sumio; and Miyake, Yasuo, 4,844,905, Cl. 424-451.000.

Watanabe, Susumu: *See—*
- Ikenaga, Osamu; and Watanabe, Susumu, 4,878,177, Cl. 364-489.000.

Watanabe, Syoyu: *See—*
- Nakano, Masaaki; Watanabe, Syoyu; Saito, Yusaku; and Iwata, Syuji, 4,841,290, Cl. 340-707.000.

Watanabe, Syuji: *See—*
- Kitami, Yasuo; Tezuka, Hidenori; and Watanabe, Syuji, 4,846,768, Cl. 474-86.000.
- Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, to Director of Institute, Kyushu, Itaru Todoroki; and Tokyo Kokyu Rozai Co., Ltd. Sintered titanium carbo-nitride ceramics. 4,808,557, 2-28-89, Cl. 501-87.000.

Watanabe, Tadahiko; Shobu, Kazuhisa; and Enomoto, Yuji, to Agency of Industrial Science and Technology. Chromium oxide-base ceramic material. 4,810,676, 3-7-89, Cl. 501-87.000.

Watanabe, Tadahiko: *See—*
- Fujii, Haruki; Miyawaki, Isao; Sakai, Motoomi; Kanazawa, Fumio; and Watanabe, Tadahiko, 4,863,794, Cl. 428-325.000.

Watanabe, Tadashi: *See—*
- Masubuchi, Yoichi; Watanabe, Tadashi; Tominaga, Akira; Nagaoka, Haruo; Nakatani, Eisaku; and Kume, Masafumi, 4,888,244, Cl. 428-416.000.
- Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.
- Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.

- Watanabe, Taisuke: *See—*
  - Fujii, Satoru; Niyada, Katsuyuki; Morii, Shuji; and Watanabe, Taisuke, 4,885,791, Cl. 381-43.000.
- Watanabe, Takahiko: *See—*
  - Hani, Kiyoshi; Takei, Takako; Kodama, Minekazu; and Watanabe, Takahiko, 4,885,058, Cl. 162-145.000.
- Watanabe, Takahito: *See—*
  - Itami, Atsushi; Koyama, Kazuo; Matsuzu, Nobuhiko; and Watanabe, Takahito, 4,801,341, Cl. 148-320.000.
- Watanabe, Takaji: *See—*
  - Nitta, Katsuhisa; Watanabe, Takaji; and Suzuki, Isao, 4,828,623, Cl. 106-450.000.
- Watanabe, Takako: *See—*
  - Baba, Takashi; Niwa, Yukichi; Yoshii, Minoru; and Watanabe, Takako, 4,804,831, Cl. 250-201.000.
- Watanabe, Takamitsu: *See—*
  - Hamada, Hiroshi; Watanabe, Takamitsu; and Suzuki, Mitiharu, 4,801,042, Cl. 220-410.000.
- Watanabe, Takao, to NEC Corporation. Pattern matching apparatus. 4,802,226, 1-31-89, Cl. 381-43.000.
- Watanabe, Takao; Kitukawa, Gòro; Hori, Ryoichi; Itoh, Kiyoo; Kawajiri, Yoshiki; and Kawahara, Takayuki, to Hitachi, Ltd. Semiconductor decoder circuit having switching means for preventing counterflow. 4,837,462, 6-6-89, Cl. 307-446.000.
- Watanabe, Takao: *See—*
  - Hori, Ryoichi; Itoh, Kiyoo; Kitsukawa, Goro; Kawajiri, Yoshiki; Watanabe, Takao; and Kawahara, Takayuki, 4,873,673, Cl. 365-230.060.
  - Kitsukawa, Goro; Watanabe, Takao; Hori, Ryoichi; and Itoh, Kiyoo, 4,853,899, Cl. 365-207.000.
- Watanabe, Takashi, to Taneshin Denki Co., Ltd. Dubbing tape recorder. 4,802,036, 1-31-89, Cl. 360-92.000.
- Watanabe, Takashi; and Sumina, Ikuo, to Takeda Chemical Industries, Ltd. Coating composition. 4,816,071, 3-28-89, Cl. 106-18.340.
- Watanabe, Takashi, to Nishihara Engineering Company, Ltd. Drainage system in multi-story building. 4,839,927, 6-20-89, Cl. 4-211.000.
- Watanabe, Takashi, to Sharp Kabushiki Kaisha. Output signal processor circuit of charge transfer device. 4,886,986, 12-12-89, Cl. 307-353.000.
- Watanabe, Takashi: *See—*
  - Aiba, Yoshiro; Arakawa, Kazumi; Watanabe, Takashi; and Kawai, Kazuhide, 4,857,488, Cl. 501-89.000.
  - Akasaki, Toshiro; Matsunaga, Masafumi; Watanabe, Takashi; and Matsushima, Hironari, 4,859,266, Cl. 156-273.100.
  - Enomoto, Toshihiko; Nakashima, Yasuo; Watanabe, Takashi; Komai, Takao; and Mochizuki, Tatsuya, 4,887,436, Cl. 62-155.000.
  - Takahashi, Takehiko; Saito, Hideo; Watanabe, Takashi; and Kaneko, Tomihiro, 4,880,277, Cl. 297-467.000.
- Watanabe, Takaya; and Fushimi, Shigeo, to NEC Corporation. Surface acoustic wave filter. 4,841,265, 6-20-89, Cl. 333-194.000.
- Watanabe, Takemi; and Shiba, Noriyuki, to Kabushiki Kaisha Kaneda Kikai Seisakusho; and Kabushiki Kaisha Tokyo Kikai Seisakusho. Device for peeling and cutting off surface portions of paper rolls. 4,821,971, 4-18-89, Cl. 242-55.000.
- Watanabe, Takemi: *See—*
  - Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, 4,812,198, Cl. 156-497.000.
  - Fuke, Masanobu; Watanabe, Takemi; and Shiba, Noriyuki, 4,830,304, Cl. 242-67.200.
- Watanabe, Takeo: *See—*
  - Aoki, Katsumichi; Shida, Takafumi; Watanabe, Takeo; Satake, Keigo; Shinkawa, Hiroyasu; and Yamazaki, Shiro, 4,795,484, Cl. 71-92.000.
- Watanabe, Takeshi, to NEC Corporation. Semiconductor memory in which data readout operation is carried out over wide power voltage range. 4,811,292, 3-7-89, Cl. 365-185.000.
- Watanabe, Takeshi; and Fuke, Yasukiyo, to Toshiba Kikai Kabushiki Kaisha. Injection mold. 4,832,307, 5-23-89, Cl. 249-63.000.
- Watanabe, Takeshi: *See—*
  - Moriyama, Motonori; Fujimura, Ikuo; Tanaka, Tsutomu; and Watanabe, Takeshi, 4,804,992, Cl. 354-471.000.
  - Saeki, Yasuharu; Watanabe, Takeshi; Ohwaki, Takayuki; Kawahara, Masahiro; and Miyake, Yasuo, 4,827,062, Cl. 514-690.000.
  - Uemura, Daisuke; Yamamoto, Toshihiro; Watanabe, Takeshi; Okanishi, Masanori; and Hirata, Yoshimasa, 4,835,176, Cl. 514-456.000.
  - Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,797,426, Cl. 521-93.000.
  - Waki, Tatsuo; Watanabe, Takeshi; and Suzuki, Kazuo, 4,800,214, Cl. 521-84.100.
- Watanabe, Takuya: *See—*
  - Eshita, Takashi; Mieno, Fumitake; Furumura, Yuji; and Watanabe, Takuya, 4,876,219, Cl. 437-126.000.
  - Shioya, Yoshimi; Oyama, Yasushi; Tsuzuki, Norihisa; Maeda, Mamoru; Ichikawa, Masaaki; Mieno, Fumitake; Inoue, Shin-ichi; Uo-ochi, Yasuo; Tabuchi, Akira; Tsukune, Atsuhiro; Watanabe, Takuya; and Ohba, Takayuki, 4,804,560, Cl. 427-125.000.
- Watanabe, Tamotsu: *See—*
  - Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, 4,876,158, Cl. 428-565.000.
- Watanabe Tekko Kabushiki Kaisha: *See—*
  - Itou, Susumu; Shinozawa, Yusaku; and Nakamura, Tsunoru, 4,848,125, Cl. 72-105.000.
  - Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 72-31.000.
  - Shinozawa, Yusaku; Takahashi, Minoru; and Nakamura, Tsunoru, 4,825,675, Cl. 72-105.000.
- Watanabe, Teruo; and Yamaura, Tatsuo, to Futaba Denshi Kogyo Kabushiki Kaisha. Fluorescent display device. 4,835,445, 5-30-89, Cl. 315-58.000.
- Watanabe, Teruo: *See—*
  - Kawamura, Masahide; Sakakibara, Masaki; Watanabe, Teruo; Obayashi, Akira; Hiraoka, Nobutsugu; and Kita, Keiko, 4,886,756, Cl. 435-199.000.
- Watanabe, Tetsuo: *See—*
  - Sasaki, Eiichi; Mori, Takashi; and Watanabe, Tetsuo, 4,890,120, Cl. 346-76.0PH.
- Watanabe, Tetsuya, to Mitsubishi Denki Kabushiki Kaisha. Color display tube with shadow mask and fabricating method thereof. 4,810,927, 3-7-89, Cl. 313-402.000.
- Watanabe, Tetsuya: *See—*
  - Ikeda, Kyoichi; Watanabe, Tetsuya; and Higashino, Yasushi, 4,841,775, Cl. 73-704.000.
- Watanabe, Tohru: *See—*
  - Homma, Satoshi; and Watanabe, Tohru, 4,839,506, Cl. 235-379.000.
  - Yoda, Takashi; and Watanabe, Tohru, 4,876,223, Cl. 437-228.000.
- Watanabe, Tomoyuki; Tokoro, Setsuo; Hayashi, Takashi; and Shigematsu, Takashi, to Toyota Jidosha Kabushiki Kaisha. Method and apparatus for controlling electromagnetic powder clutch for vehicle. 4,811,222, 3-7-89, Cl. 364-424.100.
- Watanabe, Tomoyuki: *See—*
  - Hayashi, Takashi; Tokoro, Setsuo; Watanabe, Tomoyuki; and Shigematsu, Takashi, 4,803,628, Cl. 364-424.100.
  - Shigematsu, Takashi; Watanabe, Tomoyuki; Tokoro, Setsuo; and Sawada, Daisaku, 4,817,469, Cl. 74-866.000.
  - Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.
- Watanabe, Tooru, and Shimizu, Minoru, to Tamagawa Seiki Kabushiki Kaisha. Control circuit for brushless electric motor. 4,833,374, 5-23-89, Cl. 318-254.000.
- Watanabe, Toru: *See—*
  - Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.
- Watanabe, Toshiaki. System for detecting origin of proprietary documents generated by an apparatus for processing information such as words, figures and pictures. 4,837,737, 6-6-89, Cl. 364-900.000.
- Watanabe, Toshiaki: *See—*
  - Kawahara, Masayuki; Hotta, Hisashi; Watanabe, Toshiaki; and Otsuka, Shinya, 4,828,136, Cl. 220-270.000.
  - Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.
  - Ozeki, Kazuo; Sugiyama, Fumio; Dachiku, Kenshi; Fujiwara, Hisao; and Watanabe, Toshiaki, 4,833,535, Cl. 358-135.000.
- Watanabe, Toshihiro; and Fujiwara, Shiro, to Sony Corporation. Apparatus having means for unloosenly winding a tape to reels of a tape cassette. 4,854,517, 8-8-89, Cl. 242-56.00R.
- Watanabe, Toshiki; and Honda, Toshiharu, to Nippon Seiko Kabushiki Kaisha. Multi-disk fluid viscosity type auto-tensioner. 4,838,839, 6-13-89, Cl. 474-135.000.
- Watanabe, Toshimitsu; and Sato, Kenji, to Hitachi, Ltd. Top and bottom pincushion distortions correcting circuits to be used for picture tube having aspherical face plate. 4,810,939, 3-7-89, Cl. 315-371.000.
- Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, to Hitachi, Ltd. Autonomous resource management system with recorded evaluations of system performance with scheduler control including knowledge learning function. 4,890,227, 12-26-89, Cl. 364-300.000.
- Watanabe, Toshinori: *See—*
  - Nishiyama, Tamotsu; Watanabe, Toshinori; Horie, Noboru; Furihata, Makoto; Kominami, Yasuo; and Mori, Fumihiko, 4,803,636, Cl. 364-491.000.
- Watanabe, Toshio, to Ricoh Company, Ltd. Electrophotographic copier including means for sensing the size of an original document. 4,873,550, 10-10-89, Cl. 355-232.000.
- Watanabe, Toshio: *See—*
  - Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.
  - Naito, Sousuke; Takahashi, Hidekazu; Shimai, Shunzo; Watanabe, Toshio; and Otsuka, Yasuji, 4,824,035, Cl. 241-188.00A.
  - Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
  - Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I. Kanji, 4,830,836, Cl. 423-139.000.
  - Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, 4,841,748, Cl. 66-218.000.
- Watanabe, Toshiyuki: *See—*
  - Suzuki, Masaki; Nagano, Hiroyuki; Sato, Takeo; and Watanabe, Toshiyuki, 4,844,568, Cl. 350-6.200.
  - Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, 4,874,689, Cl. 430-548.000.

- Watanabe, Touru; and Kato, Nobuji, to Yamaha Corporation. Process for producing a film of Sm-Co alloy. 4,846,942, 7-11-89, Cl. 204-58.500.
- Watanabe, Toyofumi: *See—*
  - Iwasa, Hiroki; Watanabe, Toyofumi; and Furuya, Hirohide, 4,875,984, Cl. 204-56.100.
- Watanabe, Tsugio: *See—*
  - Takechi, Moriaki; Watanabe, Tsugio; and Kuroda, Shigenori, 4,800,355, Cl. 335-301.000.
- Watanabe, Tsukasa: *See—*
  - Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; and Watanabe, Tsukasa, 4,811,069, Cl. 357-30.000.
  - Kakinuma, Hiroaki; Kasuya, Yukio; Sakamoto, Masaaki; Watanabe, Tsukasa; and Mouri, Mikio, 4,887,166, Cl. 358-471.000.
  - Nomoto, Tsutomu; Yosida, Mamoru; Mouri, Mikio; and Watanabe, Tsukasa, 4,859,617, Cl. 437-40.000.
  - Yoshida, Mamoru; Nomoto, Tsutomu; Araki, Tomoo; and Watanabe, Tsukasa, 4,816,885, Cl. 357-23.700.
- Watanabe, Tsunao: *See—*
  - Chiba, Tadao; Funabiki, Masaki; and Watanabe, Tsunao, 4,806,519, Cl. 502-252.000.
- Watanabe, Tsunehiro, to Canon Kabushiki Kaisha. Data communication apparatus which can selectively store data or not, according to communication line status. 4,811,385, 3-7-89, Cl. 379-100.000.
- Watanabe, Tsunehiro, to Canon Kabushiki Kaisha. Data communication process suitable for use in a quiet environment. 4,837,806, 6-6-89, Cl. 379-93.000.
- Watanabe, Tsunehiro: *See—*
  - Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
  - Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Taketo, 4,878,123, Cl. 358-401.000.
  - Yoshino, Motoaki; Watanabe, Tsunehiro; Miura, Shigeo; Toyama, Takeshi; and Takahashi, Masatomo, 4,843,479, Cl. 358-257.000.
- Watanabe, Tsutomu. Multi-level crossing maze toy. 4,861,036, 8-29-89, Cl. 273-115.000.
- Watanabe, Tsutomu; and Hayashi, Hideki, to Shinto Paint Co., Ltd. Method of producing fine particles of thermoplastic resin. 4,863,646, 9-5-89, Cl. 264-15.000.
- Watanabe, Tsutomu; and Furuta, Akihiko, to NKK Corporation. Acidic electro-galvanizing solution. 4,877,497, 10-31-89, Cl. 204-55.100.
- Watanabe, Tsuyoshi, to Pioneer Electronic Corporation. System for reading and storing composite index code from a recording disk. 4,833,548, 5-23-89, Cl. 358-342.000.
- Watanabe, Tsuyoshi; and Honda, Takao, to Canon Kabushiki Kaisha. Developing device and developer carrying member usable therewith. 4,870,461, 9-26-89, Cl. 355-251.000.
- Watanabe, Tsuyoshi: *See—*
  - Kanamaru, Hitoshi; Watanabe, Tsuyoshi; Shiba, Takahumi; and Katagiri, Shoichi, 4,843,484, Cl. 358-342.000.
  - Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
  - Wada, Hideo; Abe, Shuichi; and Watanabe, Tsuyoshi, 4,812,974, Cl. 364-200.000.
- Watanabe, Tuyosi: *See—*
  - Sakamoto, Shunji; and Watanabe, Tuyosi, 4,827,598, Cl. 29-430.000.
- Watanabe, Wataru: *See—*
  - Imanishi, Kiyokazu; Watanabe, Wataru; and Kobata, Kiyoshi, 4,809,105, Cl. 360-104.000.
- Watanabe, Yasuaki: *See—*
  - Honshima, Teruhisa; Watanabe, Yasuaki; Takahachi, Akira; Samata, Tadayochi; Tohkairin, Akira; and Ogasawara, Nobuhiko, 4,829,206, Cl. 310-214.000.
  - Tomite, Toshio; and Watanabe, Yasuaki, 4,833,769, Cl. 29-597.000.
- Watanabe, Yasuhiro: *See—*
  - Shigehara, Hiroshi; Shiraishi, Mikio; Watanabe, Yasuhiro; and Sugi, Nobuo, 4,813,008, Cl. 364-760.000.
- Watanabe, Yasunobu: *See—*
  - Oshi, Yasuyuki; Takano, Takeshi; Nakamura, Takaharu; Takeda, Yukio; and Watanabe, Yasunobu, 4,870,659, Cl. 375-82.000.
- Watanabe, Yasuo; Yamakoshi, Kenichi; and Shimazu, Hideaki, to Kabushiki Kaisha Nihon M.D.M. Brain ventricle shunt system. 4,885,002, 12-5-89, Cl. 604-9.000.
- Watanabe, Yasuo: *See—*
  - Sadaki, Hiroshi; Narita, Hirokazu; Imaizumi, Hiroyuki; Konishi, Yoshinori; Inaba, Takihiro; Hirakawa, Tatsuo; Taki, Hideo; Tai, Masaru; Watanabe, Yasuo; and Saikawa, Isamu, 4,879,381, Cl. 540-222.000.
  - Siga, Masao; Fukui, Yutaka; Kuriyama, Mitsuo; Kurosawa, Soichi; Iijima, Katsumi; Iizuka, Nobuyuki; Maeno, Yosimi; Takahashi, Shintaro; Watanabe, Yasuo; and Hiraga, Ryo, 4,850,187, Cl. 60-39.370.
  - Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,878,176, Cl. 364-468.000.
  - Teranishi, Mitsuji; Watanabe, Yasuo; and Takeuchi, Akira, 4,882,580, Cl. 340-825.510.
  - Tominaga, Kanji; Hijikata, Toshihiro; Yamaguchi, Katsuhiro; Matsumoto, Yoshimichi; and Watanabe, Yasuo, 4,802,883, Cl. 474-101.000.
- Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, to Toyota Jidoshokki Seisakusho Kabushiki Kaisha. Variable capacity type vane compressor. 4,808,083, 2-28-89, Cl. 417-295.000.
- Watanabe, Yasushi; Kawaguchi, Masahiro; Suzuki, Shinichi; and Nakai, Tatsuya, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Variable displacement vane compressor. 4,838,740, 6-13-89, Cl. 417-295.000.
- Watanabe, Yasushi; Suzuki, Shinichi; Kawaguchi, Masahiro; and Nakai, Tatsuya, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Variable displacement vane compressor. 4,842,490, 6-27-89, Cl. 417-295.000.
- Watanabe, Yasushi; Nakai, Tatsuya; Suzuki, Shinichi; and Kawaguchi, Masahiro, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Variable displacement vane compressor. 4,844,703, 7-4-89, Cl. 417-295.000.
- Watanabe, Yasushi: *See—*
  - Sato, Takanori; Watanabe, Yasushi; Nakamura, Yasukazu; and Saito, Yutaka, 4,864,797, Cl. 52-725.000.
  - Suzuki, Shigeru; Ohshiro, Katsuhiko; and Watanabe, Yasushi, 4,846,632, Cl. 417-295.000.
- Watanabe, Yasutaka: *See—*
  - Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Matsui, Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,953, Cl. 280-807.000.
- Watanabe, Yasutomo: *See—*
  - Terai, Haruhiko; and Watanabe, Yasutomo, 4,887,099, Cl. 346-140.00R.
- Watanabe, Yasuyuki: *See—*
  - Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,742, Cl. 350-347.00V.
  - Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, 4,856,869, Cl. 350-162.180.
  - Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, 4,850,681, Cl. 350-348.000.
  - Yamanobe, Masato; Watanabe, Yasuyuki; and Ohkubo, Yukitoshi, 4,822,146, Cl. 350-348.000.
- Watanabe, Yohji, to Kabushiki Kaisha Toshiba. FET reference voltage generator which is impervious to input voltage fluctuations. 4,814,686, 3-21-89, Cl. 323-229.000.
- Watanabe, Yohji; and Furuyama, Tohru, to Kabushiki Kaisha Toshiba. Semiconductor device with power supply voltage converter circuit. 4,833,341, 5-23-89, Cl. 307-296.100.
- Watanabe, Yoichi: *See—*
  - Nishizawa, Kuninori; Miura, Teruo; Watanabe, Yoichi; and Takagi, Hirohiko, 4,836,262, Cl. 152-451.000.
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, to Taisho Pharmaceutical Co., Ltd. Cephalosporin derivatives. 4,812,562, 3-14-89, Cl. 540-227.000.
- Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, to Taisho Pharmaceutical Co., Ltd. Cephalosporin derivatives. 4,841,044, 6-20-89, Cl. 540-227.000.
- Watanabe, Yoshiaki: *See—*
  - Mitsukuchi, Morihiro; Ikemoto, Tomoyuki; Watanabe, Yoshiaki; and Sota, Kaoru, 4,861,765, Cl. 514-181.000.
  - Morimoto, Shigeo; Takahashi, Yoko; Watanabe, Yoshiaki; Adachi, Takashi; Asaka, Toshifumi; and Sota, Kaoru, 4,833,236, Cl. 536-7.200.
  - Toyoshima, Masayasu; Watanabe, Yoshiaki; and Orito, Yoshiaki, 4,808,283, Cl. 204-71.000.
- Watanabe, Yoshifumi: *See—*
  - Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, 4,843,454, Cl. 357-79.000.
- Watanabe, Yoshiharu; Shimizu, Hisayuki; Ito, Mineo; and Moriyama, Hitoshi, to Denki Kagaku Kogyo Kabushiki Kaisha. Cement additive containing superplasticizer and bentonite. 4,861,378, 8-29-89, Cl. 106-314.000.
- Watanabe, Yoshihiko; Nagashita, Tsuneyoshi; Niinuma, Susumi; Nomura, Isamu; Kobayashi, Kimito; Namiki, Akio; Abe, Hiroyuki; Iijima, Takayuki; Shimokawa, Kazuto; Haeno, Akira; Aoyagi, Yoshio; Kimura, Toshiyuki; and Matsumoto, Isao, to Pioneer Electronic Corporation. Pulse-width modulation drive circuit. 4,823,056, 4-18-89, Cl. 318-341.000.
- Watanabe, Yoshihiko: *See—*
  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
  - Hirata, Sadao; and Watanabe, Yoshihiko, 4,820,795, Cl. 528-272.000.
  - Igarashi, Reiko; Watanabe, Yoshihiko; and Hirata, Sadao, 4,837,115, Cl. 428-36.920.
- Watanabe, Yoshihiro: *See—*
  - Nishino, Atsushi; Ikeda, Masaki; Watanabe, Yoshihiro; and Hiraka, Masahiro, 4,861,657, Cl. 428-336.000.

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Watanabe, Yoshihisa; Takeda, Makoto; Kinoshita, Hisao; and Fujishima, Akiko, to Mitsubishi Petrochemical Co., Ltd. Ketone containing terpolymer. 4,849,496, 7-18-89, Cl. 528-271.000.

Watanabe, Yoshihisa: *See—*

Harada, Osamu; Kojima, Akio; Ikeda, Souhei; Watanabe, Yoshihisa; and Tsuji, Yoshihisa, 4,803,871, Cl. 73-104.000.

Nakachi, Takeshi; Hata, Akio; and Watanabe, Yoshihisa, 4,861,683, Cl. 428-694.000.

Watanabe, Yoshikazu; and Tanaka, Motoaki, to Konishiroku Photo Industry Co., Ltd. Process for the production of light-sensitive silver halide photographic material. 4,840,881, 6-20-89, Cl. 430-512.000.

Watanabe, Yoshimi; Kawamura, Hiroshi; and Sohda, Chiharu, to Honda Giken Kogyo Kabushiki Kaisha. Outboard engine arrangement. 4,802,871, 2-7-89, Cl. 440-75.000.

Watanabe, Yoshimi; Miyakoshi, Shinichi; and Goto, Kenichi, to Honda Giken Kogyo Kabushiki Kaisha. V-type vertical engine. 4,840,152, 6-20-89, Cl. 123-52.0MV.

Watanabe, Yoshimi: *See—*

Sahara, Hiroshi; and Watanabe, Yoshimi, 4,805,014, Cl. 358-86.000.

Suga, Ryoichi; Nakagawa, Yutaka; and Watanabe, Yoshimi, 4,800,376, Cl. 340-721.000.

Suzuki, Hitoshi; Hirano, Tomohiro; Goto, Kenichi; and Watanabe, Yoshimi, 4,846,124, Cl. 123-195.00P.

Watanabe, Yoshinori: *See—*

Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, 4,841,748, Cl. 66-218.000.

Watanabe, Yoshio; Nakayama, Yasuhiko; Furuya, Nobuaki; and Miyama, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Magnetic head with improved supporter for perpendicular magnetization recording. 4,796,134, 1-3-89, Cl. 360-125.000.

Watanabe, Yoshio; Horiguchi, Hiroyuki; and Itagaki, Masanori, to Ricoh Company, Ltd. Total contact type photoelectric conversion device and optical reader using the same. 4,805,032, 2-14-89, Cl. 358-294.000.

Watanabe, Yoshio, to Kabushiki Kaisha Toshiba. Image information scanner apparatus with adjustment state display function. 4,831,458, 5-16-89, Cl. 358-280.000.

Watanabe, Yoshio, to Kabushiki Kaisha Toshiba. Color image sensor with optical diffusion members covering sets of color filters and separated by light shields to obtain accurate color reproduction. 4,855,817, 8-8-89, Cl. 358-75.000.

Watanabe, Yoshio, to Kabushiki Kaisha Machida Seisakusho. Treating instrument for endoscope. 4,889,106, 12-26-89, Cl. 128-4.000.

Watanabe, Yoshio: *See—*

Abiko, Kenji; Watanabe, Yoshio; Anzai, Noboru; and Takahashi, Kenichi, 4,826,025, Cl. 215-32.0SM.

Kamahori, Masao; Watanabe, Yoshio; Miura, Junkichi; Taki, Mamoru; and Miyagi, Hiroyuki, 4,823,168, Cl. 356-246.000.

Kato, Yasuo; Ochiai, Isao; Watanabe, Yoshio; and Murayama, Seiichi, 4,841,556, Cl. 378-119.000.

Mastuno, Hiromistu; Murayama, Seiichi; Ono, Tetsuo; and Watanabe, Yoshio, 4,879,493, Cl. 313-641.000.

Osawa, Kenji; Muramoto, Shiyouichi; Watanabe, Yoshio; Kawahara, Takanori; and Koizumi, Takaaki, 4,804,574, Cl. 428-209.000.

Suzuki, Issei; Kano, Takashi; Watanabe, Yoshio; and Anzai, Noboru, 4,863,049, Cl. 215-249.000.

Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimori, Norimi; and Yoshida, Kasumi, 4,827,966, Cl. 137-115.000.

Takeda, Takeshi; Tsuchiya, Sohji; Watanabe, Yoshio; and Sekido, Satoshi, 4,887,186, Cl. 361-321.000.

Watanabe, Yoshitaka; Sakurada, Nobuaki; Aoki, Makoto; and Sato, Eiichi, to Canon Kabushiki Kaisha. Ink jet recording apparatus with ambient temperature detecting means for providing a signal to drive control means responsive to a recording-density data signal. 4,860,034, 8-22-89, Cl. 346-140.00R.

Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, to Canon Kabushiki Kaisha. Recording apparatus. 4,884,909, 12-5-89, Cl. 400-625.000.

Watanabe, Yoshitaka; Mizoguchi, Yoshiyuki; and Hiraga, Hiroyuki, to Canon Kabushiki Kaisha. Recording apparatus with bipositional sheet guiding member. 4,888,602, 12-19-89, Cl. 346-134.000.

Watanabe, Yoshitaka: *See—*

Ishikawa, Tadashi; Watanabe, Yoshitaka; Mizogui, Toyokazu; Kinoshita, Takao; Tojo, Akihiko; Suzuki, Yasutomo; and Mizoguchi, Yoshiyuki, 4,825,295, Cl. 358-254.000.

Ishikawa, Tadashi; Watanabe, Yoshitaka; and Mizoguchi, Yoshiyuki, 4,831,455, Cl. 358-229.000.

Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.

Yamamoto, Mayumi; Suzuki, Eiichi; and Watanabe, Yoshitaka, 4,865,675, Cl. 156-164.000.

Watanabe, Yoshitane: *See—*

Ikeda, Hisao; Suzuki, Fumio; Watanabe, Yoshitane; Matsumura, Mitsunobu; Takahashi, Yasuhiro; Murakami, Hirosi; and Maeda, Koichi, 4,840,705, Cl. 162-175.000.

Watanabe, Yoshiyuki, to Fuji Photo Film Co., Ltd. Improved locking and ejection mechanism for magnetic disk pack recording and reproducing apparatus. 4,816,945, 3-28-89, Cl. 360-99.070.

Watanabe, Yoshiyuki: *See—*

Tanaka, Takashi; and Watanabe, Yoshiyuki, 4,859,385, Cl. 264-62.000.

Tanaka, Takashi; and Watanabe, Yoshiyuki, 4,863,657, Cl. 264-62.000.

Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, to Olympus Optical Co., Ltd. Automatic focusing cameras. 4,816,858, 3-28-89, Cl. 354-400.000.

Watanabe, Youji; Matsuzaki, Minoru; and Itoh, Junichi, to Olympus Optical Company Limited. Program rewritable camera. 4,853,733, 8-1-89, Cl. 354-412.000.

Watanabe, Youji: *See—*

Matsuzaki, Minoru; Itoh, Junichi; and Watanabe, Youji, 4,873,543, Cl. 354-402.000.

Watanabe, Youjirou: *See—*

Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.

Watanabe, Yuhki: *See—*

Kojima, Yasutaka; and Watanabe, Yuhki, 4,833,985, Cl. 101-401.100.

Watanabe, Yuichi: *See—*

Kuwabara, Nobuyuki; Hasegawa, Ko; Watanabe, Yuichi; and Moriguchi, Haruhiko, 4,870,428. Cl. 346-76.0PH.

Watanabe, Yuji; and Nakamura, Masahiro, to Kabushiki Kaisha Komatsu Seisakusho. Method of identifying objects. 4,876,729, 10-24-89, Cl. 382-22.000.

Watanabe, Yuji: *See—*

Watanabe, Fumio; Watanabe, Toshio; Watanabe, Chiharu; Watanabe, Yuji; and Watanabe, Yoshinori, 4,841,748, Cl. 66-218.000.

Watanabe, Yukio, to Kabushiki Kaisha Toshiba. DC power supply device. 4,825,141, 4-25-89, Cl. 323-271.000.

Watanabe, Yukio: *See—*

Kimura, Tsutomu; and Watanabe, Yukio, 4,873,441, Cl. 250-327.200.

Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.

Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, 4,835,117, Cl. 437-129.000.

Watanabe, Yutaka; Ito, Masaaki; and Kusano, Hideaki, to Minolta Camera Kabushiki Kaisha. Image processing system with specific read/print control. 4,864,417, 9-5-89, Cl. 358-296.000.

Watanabe, Yutaka: *See—*

Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.

Yagoto, Mitsutoshi; Hamada, Akiyoshi; Mino, Masayuki; Tanaka, Yutaka; and Watanabe, Yutaka, 4,878,067, Cl. 346-108.000.

Watanuki, Hitoshi, to Nissan Motor Co., Ltd. Head-up display device. 4,806,904, 2-21-89, Cl. 340-103.000.

Watanuki, Kiyoshi; and Takizawa, Kazuyoshi, to Hitachi, Ltd. High voltage generator. 4,808,891, 2-28-89, Cl. 315-411.000.

Watanuki, Kiyoshi; and Nakamura, Yoichi, to Hitachi, Ltd. Correcting circuit of pincushion distortion. 4,827,193, 5-2-89, Cl. 315-371.000.

Watanuki, Kiyoshi: *See—*

Takizawa, Kazuyoshi; and Watanuki, Kiyoshi, 4,841,201, Cl. 315-411.000.

Watanuki, Masayosi: *See—*

Kasahara, Nobuo; Nakahara, Tosio; Watanuki, Masayosi; and Sawamura, Tadahide, 4,872,037, Cl. 355-271.000.

Watanuki, Osaaki: *See—*

Kaneko, Toyohisa; and Watanuki, Osaaki, 4,876,720, Cl. 381-43.000.

Watanuki, Tsuneo: *See—*

Sawatari, Norio; Ebisu, Katsuji; Watanuki, Tsuneo; Katagiri, Yoshimichi; Kashikawa, Takahiro; and Narusawa, Toshiaki, 4,849,317, Cl. 430-106.600.

Watarai, Shinichi, to Fujitsu Limited. Control method of transporting a cut sheet in a printing station and an apparatus using the same. 4,878,428, 11-7-89, Cl. 101-484.000.

Watari, Haruhiko: *See—*

Takahashi, Atsushi; and Watari, Haruhiko, 4,881,764, Cl. 292-13.000.

Watari, Masafumi: *See—*

Miyata, Takeo; Ono, Takuhiro; Iwabuchi, Takashi; Ikedo, Masaru; and Watari, Masafumi, 4,812,016, Cl. 350-320.000.

Watari, Masao, to NEC Corporation. Pattern feature extracting system. 4,837,828, 6-6-89, Cl. 381-36.000.

Watari, Masao, to NEC Corporation. Orthogonal transformer and apparatus operational thereby. 4,839,844, 6-13-89, Cl. 364-727.000.

Watari, Masao, to NEC Corporation. Pattern matching system using dynamic programming. 4,882,756, 11-21-89, Cl. 381-42.000.

Watari, Mitsuru: *See—*

Kaneko, Katsutoshi; Kobayashi, Toshio; and Watari, Mitsuru, 4,878,972, Cl. 156-78.000.

Watari, Ryuzo: *See—*

Matsuo, Itaru; Takahashi, Yuzo; Hashimoto, Hideo; Takatsuka, Toru; Iimori, Takeru; Maekawa, Hitoshi; Ito, Tamotsu; Shohji, Yoshihiko; Watari, Ryuzo; and Aida, Hiroshi, 4,836,909, Cl. 208-72.000.

Watari, Toshihiko, to NEC Corporation. Integrated circuit package having coaxial pins. 4,819,131, 4-4-89, Cl. 361-414.000.

Watari, Yoshie: *See—*

Kimura, Rokusaburo; Watari, Yoshie; Nakayama, Satoshi; and Naruse, Haruhiko, 4,825,486, Cl. 5-453.000.

Kimura, Rokusaburo; Watari, Yoshie; and Makayama, Satoshi, 4,859,152, Cl. 417-63.000.

Watase, Kazumi: *See—*

Okutsu, Eiichi; and Watase, Kazumi, 4,863.830, Cl. 430-264.000.

Watase, Mineo: *See—*

Nambu, Masao; Kinoshita, Tatsuo; and Watase, Mineo, 4,808,353, Cl. 264-28.000.

Watase, Nobuo: *See—*

Nishimura, Mizuho; Watase, Nobuo; Sakaguchi, Yasunobu; and Kogane, Mikio, 4,862,779, Cl. 83-123.000.

Watase, Yukihiro: *See—*

Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,816,063, Cl. 71-90.000.

Yamaguchi, Mikio; Watase, Yukihiro; Kambe, Takeshi; and Katou, Susumu, 4,885,023, Cl. 71-90.000.

Watashi, Masahiro, to Mita Industrial Co., Ltd. Bearing arrangement in sheet member feed apparatus for use in electrophotographic copying machine. 4,850,584, 7-25-89, Cl. 271-274.000.

Watatani, Yoshizumi; and Ito, Shigeyuki, to Hitachi, Ltd. Noise elimination circuit for reproduction of audio signals in a magnetic tape recording and reproducing apparatus. 4,843,488, 6-27-89, Cl. 360-19.100.

Watatani, Yoshizumi: *See—*

Azuma, Nobuo; Masui, Hikaru; and Watatani, Yoshizumi, 4,809,096, Cl. 360-77.150.

Itoh, Shigeyuki; Watatani, Yoshizumi; and Tsunoka, Akitoshi, 4,825,305, Cl. 360-8.000.

Wataya, Masafumi; Sato, Yukio; Ishida, Yoshihiro; and Yamamoto, Tadashi, to Canon Kabushiki Kaisha. Image recording apparatus using several types of energy and recording process. 4,887,095, 12-12-89, Cl. 346-76.0PH.

Wataya, Masafumi, to Canon Kabushiki Kaisha. Encoding apparatus for color image data with block-by-block individual quantizing or individual encoding of luminosity, structure, and color information. 4,887,151, 12-12-89, Cl. 358-80.000.

Wataya, Masafumi: *See—*

Ishii, Hiroaki; Sato, Yukio; Udagawa, Yutaka; and Wataya, Masafumi, 4,821,065, Cl. 355-14.00E.

Watchout Fashions, Inc.: *See—*

Steinmann, Hardy, 4,855,974, Cl. 368-282.000.

Wate, John E. Outdoor cover assembly. 4,876,830, 10-31-89, Cl. 52-29.000.

Water-Matic Corporation: *See—*

Piersimoni, Frank S.; and Weigert, Hans, 4,823,414, Cl. 4-623.000.

Water Pollution Control Corporation: *See—*

Schmit, Frank L.; Redmon, David T.; and Ewing, Lloyd, 4,889,620, Cl. 210-137.000.

Water Purification Systems, Inc.: *See—*

Care, Richard L.; and Meyer, David A., 4,853,134, Cl. 210-742.000.

Water Research Centre: *See—*

Gale, John C.; Lang, Howard J.; and Hurst, Charles, 4,832,069, Cl. 137-15.000.

Water Systems Development Corporation: *See—*

Mahon, William S., 4,876,014, Cl. 210-668.000.

Water Technologies, Inc.: *See—*

Rich, Ronald R., 4,885,095, Cl. 210-636.000.

Waterbury, Charles A.: *See—*

Sciacero, James R.; and Waterbury, Charles A., 4,859,814, Cl. 178-19.000.

Waterbury, John B.; Watson, Stanley W.; Glazer, Alexander N.; and Ong, Linda J., to Research Corporation. Phycoerythrins useful in fluorescent conjugates. 4,857,474, 8-15-89, Cl. 436-501.000.

Waterbury, John B.; Calloway, Charles B.; and Turner, Ruth D., to Research Corporation. Bacteria for cellulose digestion. 4,861,721, 8-29-89, Cl. 435-252.100.

Waterbury, L. David: *See—*

Clark, Robin D.; and Waterbury, L. David, 4,847,269, Cl. 514-331.000.

Muchowski, Joseph M.; Clark, Robin D.; and Waterbury, L. David, 4,826,869, Cl. 514-408.000.

Watercolour Bath Products, Inc.: *See—*

Champion, Clive A., 4,839,394, Cl. 521-55.000.

Champion, Clive A., 4,849,456, Cl. 521-54.000.

Waterhouse, Paul I.: *See—*

Stevens, John K.; and Waterhouse, Paul I., 4,821,291, Cl. 375-37.000.

Stevens, John K.; and Waterhouse, Paul I., 4,879,756, Cl. 455-39.000.

Waterink, Hendrik: *See—*

Offringa, Oege R.; Waterink, Hendrik; Pertien, Geert J.; and Brinke, Jan T., 4,813,457, Cl. 138-109.000.

Waterland, Alfred F., III. Canopy dryseal. 4,823,229, 4-18-89, Cl. 361-218.000.

Waterloo Industries, Inc.: *See—*

Russell, Milo F., 4,861,123, Cl. 312-330.100.

Waterloo, Ronald L.: *See—*

Van Kirk, Larry J.; and Waterloo, Ronald L., 4,811,760, Cl. 138-115.000.

Waterman, Carl D. Wood chipper to be transported and powered by a tractor. 4,796,819, 1-10-89, Cl. 241-92.000.

Waterman, David K., to Rohrback Cosasco Systems, Inc. Retractor tool. 4,841,787, 6-27-89, Cl. 73-866.500.

Waterman, Dewey J., to United Steel & Wire Company. Elastomeric vertical corner bumper for shopping cart. 4,883,281, 11-28-89, Cl. 280-33.992.

Waterman Industries, Inc.: *See—*

Tuttle, Gary M.; and DeShaw, Steven, 4,877,352, Cl. 405-104.000.

Waterman, Phillip S. Combination tip-up and hole cover. 4,823,494, 4-25-89, Cl. 43-17.000.

Waters, Alice: *See—*

Farnsworth, Craig A.; and Waters, Alice, 4,850,335, Cl. 126-299.00R.

Waters, Colin M., to Thorn EMI plc. Display device. 4,864,290, 9-5-89, Cl. 340-793.000.

Waters, David E., Sr., to C. W. Hock, Jr., a part interest. Variable marking apparatus. 4,794,857, 1-3-89, Cl. 101-328.000.

Waters, Herman H.; and White, John, to Alumax, Inc. Aluminum scaffold plank. 4,802,553, 2-7-89, Cl. 182-222.000.

Waters, John E., to Durakon Industries, Inc. Utility box. 4,848,626, 7-18-89, Cl. 224-273.000.

Waters, John G.: *See—*

Fitzgerald, William M., Jr.; Petersen, Steven L.; and Waters, John G., 4,811,246, Cl. 364-550.000.

Waters, Julian A.: *See—*

Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,880,931, Cl. 544-316.000.

Abboud, George E.; Such, Christopher H.; Horley, Susan M.; and Waters, Julian A., 4,883,873, Cl. 544-316.000.

Waters, Larry G. Method and apparatus for utilizing waste heat in hot water heaters. 4,821,682, 4-18-89, Cl. 122-20.00A.

Waters, Mark H.; Reynolds, Charles; Root, John A.; and Whiteman, Robert N., Jr., to AMP Incorporated. Connector assembly with diecast housing and drawn shell. 4,808,125, 2-28-89, Cl. 439-607.000.

Waters, Mark H., to AMP Incorporated. Key orientation and seating tool. 4,817,258, 4-4-89, Cl. 29-240.000.

Waters, Mark H., to AMP Incorporated. Programmable keying system. 4,822,305, 4-18-89, Cl. 439-681.000.

Waters, Mark H.; and Whiteman, Robert N., Jr., to AMP Incorporated. Key retention system. 4,832,624, 5-23-89, Cl. 439-680.000.

Waters, Mark H.; and Whiteman, Robert N., Jr., to AMP Incorporated. Method and apparatus for mounting electrical connectors to printed circuit boards. 4,884,336, 12-5-89, Cl. 29-845.000.

Waters, Michael T.: *See—*

Waters, Terrance J.; and Waters, Michael T., 4,825,225, Cl. 343-881.000.

Waters, Richard N.: *See—*

Ansell, John W.; Chopping, Geoffrey; and Waters, Richard N., 4,858,223, Cl. 370-14.000.

Waters, Roger L.: *See—*

Hartridge, Leonard S. G.; Taylor, David W.; and Waters, Roger L., 4,868,232, Cl. 524-35.000.

Waters, Terrance J.; and Waters, Michael T. Hyperboloidal deployable space antenna. 4,825,225, 4-25-89, Cl. 343-881.000.

Waters, Veldon. Strap tie down device and method for its use. 4,823,443, 4-25-89, Cl. 24-68.0CD.

Waterschoot, William C.: *See—*

Tavernier, Serge M.; Waterschoot, William C.; and Overmeer, Robert T., 4,842,972, Cl. 430-117.000.

Watership PTY. Ltd.: *See—*

Gaissmaier, Rudi, 4,881,307, Cl. 29-6.100.

WaterTest Corporation: *See—*

Rosov, Eugene, 4,871,662, Cl. 435-30.000.

Wates, Michael J., to Norgren Martonair Limited. Nitrogen/carbon dioxide mixing valves. 4,827,965, 5-9-89, Cl. 137-88.000.

Wathor, J. D. Keyboard storage for a terminal. 4,814,747, 3-21-89, Cl. 340-407.000.

Wathor, J. Douglas. Lockout for terminal keys. 4,827,440, 5-2-89, Cl. 364-709.120.

Watjen, Frank; and Engelstoft, Mogens, to A/S Ferrosan. Imidazopyrroloquinoxaline compounds. 4,795,749, 1-3-89, Cl. 514-250.000.

Watjen, Frank, to A/S Ferrosan. 4-phenylpiperidine compounds and their use. 4,845,095, 7-4-89, Cl. 514-326.000.

Watjen, Frank; and Hansen, Holger C., to A/S Ferrosan. Imidazothienopyrimidines useful in psychopharmaceutical preparations. 4,866,065, 9-12-89, Cl. 514-267.000.

Watjen, Frank; and Engelstoft, Mogens, to A/S Ferrosan. Heterocyclic compounds and their preparation and use. 4,870,073, 9-26-89, Cl. 514-214.000.

Watjen, Frank; and Hansen, Holger C., to A/S Ferrosan. Tricyclic heterocyclic compounds as psychopharmaceuticals. 4,873,244, 10-10-89, Cl. 514-250.000.

Watjen, Frank; and Engelstoft, Mogens, to A/S Ferrosan. Heterocyclic compounds and their preparation and use. 4,880,799, 11-14-89, Cl. 514-211.000.

Watjen, Frank; and Engelstoft, Mogens, to A/S Ferrosan. Heterocyclic compounds and their preparation and use. 4,886,797, 12-12-89, Cl. 514-220.000.

Watjen, Frank: *See—*

Jensen, Leif H.; Sauerberg, Per; Watjen, Frank; and Kindtler, Jens W., 4,837,241, Cl. 514-340.000.

Watkins, Arthur D.: *See—*

Smartt, Herschel B.; Einerson, Carolyn J.; and Watkins, Arthur D., 4,825,038, Cl. 219-137.0PS.

Watkins, Bruce E.: *See—*

Vanderlaan, Martin; Stanker, Larry H.; Watkins, Bruce E.; and Bailey, Nina R., 4,798,807, Cl. 436-548.000.

Watkins, Charles W., to Tuftco Corporation. Double needle bar loop pile tufting apparatus. 4,800,828, 1-31-89, Cl. 112-80.410.

Watkins, Charles W., to Tuftco Corporation. Needle plate for hook bar of cut pile tufting machine. 4,840,133, 6-20-89, Cl. 112-80.300.

Watkins, Charles W., to Tuftco Corporation. Needle plate for double needle bar loop pile tufting apparatus. 4,841,886, 6-27-89, Cl. 112-80.300.

Watkins, Charles W., to Tuftco Corporation. Yarn feed split roll apparatus for tufting machine. 4,864,946, 9-12-89, Cl. 112-80.730.

Watkins, Clinton E.; and Rowland, Bobby A., to Southwire Company. Method for applying strand filling compound. 4,874,442, 10-17-89, Cl. 156-48.000.
Watkins, Daniel; Wong, Jimmy; and Ennghillis, Pavlina, to LSI Logic Corporation. Flexible ASIC microcomputer permitting the modular modification of dedicated functions and macroinstructions. 4,878,174, 10-31-89, Cl. 364-200.000.
Watkins, Donald M.; Huggett, Tryon V.; and Martt, Judson F., to Steel Equipment Specialists, Inc. Ladle transfer car with weighing system. 4,878,551, 11-7-89, Cl. 177-139.000.
Watkins, Edward K. Portable standing and seating aid. 4,844,107, 7-4-89, Cl. 135-65.000.
Watkins, George G.: *See—*
  Crisp, Richard D.; Hoekstra, George P.; and Watkins, George G., 4,866,676, Cl. 365-200.000.
Watkins, Gerald J.: *See—*
  Ngai, Chuck H.; and Watkins, Gerald J., 4,868,739, Cl. 364-200.000.
  Ngai, Chuck H.; and Watkins, Gerald J., 4,884,190, Cl. 364-200.000.
  Ngai, Chuck H.; Wassel, Edward R.; and Watkins, Gerald J., 4,888,682, Cl. 364-200.000.
Watkins, Gregory D.: *See—*
  Naish, Peter J.; Stanbury, Evan J.; Watkins, Gregory D.; Bellis, Graeme J.; and Hansford, Alan E., 4,850,010, Cl. 379-107.000.
Watkins, H. Kenyon: *See—*
  Gaa, Peter C.; Helden, Jerry C.; Motsinger, Donald L.; and Watkins, H. Kenyon, 4,810,576, Cl. 428-391.000.
Watkins, Harry E.; Balch, Brent F.; Oakes, Jeffery T.; Copeland, Richard L.; Patterson, Hubert A.; and Martinson, Mart, to Sensormatic Electronics Corporation. Electronic article surveillance system employing time domain and/or frequency domain analysis and computerized operation. 4,859,991, 8-22-89, Cl. 340-572.000.
Watkins, James A. Rotating pastel storage tabouret. 4,822,118, 4-18-89, Cl. 312-244.000.
Watkins, James C. Headrest. 4,802,691, 2-7-89, Cl. 280-751.000.
Watkins, James D.; Andreas, David W.; and Cox, David H., to Golden Valley Microwave Foods, Inc. Flexible packaging sheets and packages formed therefrom. 4,878,765, 11-7-89, Cl. 383-116.000.
Watkins-Johnson Company: *See—*
  Bartholomew, Lawrence D.; Gralenski, Nicholas M.; Richie, Michael A.; and Hersh, Michael L., 4,834,020, Cl. 118-719.000.
Watkins, Jonathan, to Watkins Manufacturing Corporation. Dry hydromassage unit for a spa tank. 4,839,930, 6-20-89, Cl. 4-546.000.
Watkins, Joseph J.: *See—*
  Fagerburg, David R.; Watkins, Joseph J.; Lawrence, Paul B.; and Rule, Mark, 4,826,956, Cl. 528-214.000.
  Fagerburg, David R.; Watkins, Joseph J.; and Lawrence, Paul B., 4,877,851, Cl. 525-537.000.
  Fagerburg, David R.; and Watkins, Joseph J., 4,877,862, Cl. 528-481.000.
  Rule, Mark; Fagerburg, David R.; Watkins, Joseph J.; and Fauver, Jerry S., 4,855,393, Cl. 528-212.000.
  Rule, Mark; Fagerburg, David R.; and Watkins, Joseph J., 4,857,629, Cl. 528-217.000.
  Rule, Mark; Fagerburg, David R.; and Watkins, Joseph J., 4,859,762, Cl. 528-215.000.
Watkins, Lester, to Watkins, Mable M.; and Norman, Ella N. Apparatus for filling a trench in a paved surface. 4,842,441, 6-27-89, Cl. 404-98.000.
Watkins, Mable M.: *See—*
  Watkins, Lester, 4,842,441, Cl. 404-98.000.
Watkins Manufacturing Corporation: *See—*
  Watkins, Jonathan, 4,839,930, Cl. 4-546.
Watkins, Rex A., Jr.; and Thompson, James S. [illegible]ving and setting tool. 4,867,249, 9-19-89, Cl. 173-29.000.
Watkins, Richard R.; Brumit, Dale E.; and Coey, Thomas R., to KB Denver, Inc. Key switch assembly. 4,845,319, 7-4-89, Cl. 200-5.00A.
Watkins, Robert; Doll, Ronald J.; Neustadt, Bernard R.; Smith, Elizabeth M.; Magatti, Charles V.; and Gold, Elijah H., to Schering Corporation. Antiglaucoma compositions and methods. 4,840,772, 6-20-89, Cl. 422-61.000.
Watkins, Robert G., Jr.: *See—*
  Wilkinson, Michael J.; Watkins, Robert G., Jr.; and Sell, Edward A., 4,886,282, Cl. 280-4.000.
Watkins, Robert W., to Schering Corporation. Antiglaucoma agent. 4,826,812, 5-2-89, Cl. 514-19.000.
Watkins, Robert W.: *See—*
  Andrews, David R.; Gaeta, Federico C. A.; and Watkins, Robert W., 4,885,293, Cl. 514-223.200.
Watkins, Tom R.: *See—*
  Hodgson, William W.; and Watkins, Tom R., 4,824,683, Cl. 426-62.000.
Watkiss, Philip J., to Vickers plc. Printing plate precursors. 4,859,290, 8-22-89, Cl. 204-33.000.
Watler, K.: *See—*
  Watler, Kenneth G., 4,857,078, Cl. 55-16.000.
Watler, Kenneth G., to Membrane Technology & Research, Inc.; and Watler, K. Process for separating higher hydrocarbons from natural or produced gas streams. 4,857,078, 8-15-89, Cl. 55-16.000.
Watlington, Thomas M.: *See—*
  Herpichboehm, Bernd G.; Sierra, George H.; Summers, Robert B.; and Watlington, Thomas M., 4,871;258, Cl. 356-422.000.
Watlington, Thomas M., IV, to Boehringer Mannheim Corporation. Registration device for blood test strips. 4,797,256, 1-10-89, Cl. 422-58.000.
Watlow Industries, Inc.: *See—*
  Foreman, Joseph F.; and Rhoads, John S., 4,808,794, Cl. 219-331.000.
Watmough, David; and Chan, Kwok K., to Aberdeen University. Divergent ultrasound arrays. 4,889,122, 12-26-89, Cl. 128-399.000.
Watney Combe Reid & Truman Limited: *See—*
  Wren, John J., 4,877,601, Cl. 424-10.000.
Waton, Gilles: *See—*
  Candau, Sauveur; Leroy, Maurice; Brunette, Jean-Pierre; Mallo, Paul; Loret, Jean-Francois; and Waton, Gilles, 4,876,036, Cl. 252-637.000.
Watrobski, Thomas E., to Xerox Corporation. Thermal ink jet print cartridge assembly. 4,878,070, 10-31-89, Cl. 346-140.00R.
Watrous, Donald L.: *See—*
  Kohl, James E.; and Watrous, Donald L., 4,860,334, Cl. 379-16.000.
Watsco Components, Inc.: *See—*
  Izaguirre, Lowell F., Sr., 4,825,328, Cl. 361-90.000.
Watson, Alan K.: *See—*
  Gotlieb, Alan R.; and Watson, Alan K., 4,808,207, Cl. 71-73.000.
Watson, Alton: *See—*
  Brunet, Charles G.; and Watson, Alton, 4,852,666, Cl. 175-61.000.
Watson, Angus A.: *See—*
  Senge, F. Gerhard; Watson, Angus A., Sanner, Kenneth E.; and Corbin, Terry R., 4,859,298, Cl. 204-146.000.
Watson, Arthur I., to Camco, Incorporated. Backup for a clamp crimper. 4,884,432, 12-5-89, Cl. 72-410.000.
Watson, Brock W.; and Freeman, T. Austin, to Halliburton Company. Non-rotating plug set. 4,858,687, 8-22-89, Cl. 166-153.000.
Watson, Bruce W. Expandable modular data modem. 4,847,86 7-11-89, Cl. 375-8.000.
Watson, Carl C.; and Quinn, Antony W., to Carefree/Scott Fetzer Company. Slide latch system for retractable awning. 4,819,70 4-11-89, Cl. 160-67.000.
Watson, Charles B., to Dale Medical Products, Inc. Head-mounted device for supporting breathing circuit tubes and sensor. 4,821,73 4-18-89, Cl. 128-719.000.
Watson, Charles R.: *See—*
  LeShane, Jeffrey S.; Routsis, Kostas; and Watson, Charles R. 4,815,940, Cl. 416-241.00A.
Watson, Charles W., Jr., to General Signal Corporation. Capacitance measuring circuit. 4,831,325, 5-16-89, Cl. 324-61.00R.
Watson, Christopher A.; Fox, Howard G.; and Nguyen, Tuyen Q., to ITT Corporation. Method and apparatus for use with vortex flowmeters. 4,809,558, 3-7-89, Cl. 73-861.220.
Watson, Colin D.: *See—*
  Goodbody, Anne E.; Watson, Colin D.; and Misawa, Masaaki, 4,831,133, Cl. 540-478.000.
Watson, David A.; Jensen, Michele R.; and Condon, Dennis E., to Mentor Corporation. Tissue expanding device and method of making same. 4,823,815, 4-25-89, Cl. 128-897.000.
Watson, Dennis L., to Commonwealth Scientific and Industrial Research Organization. Mastitis vaccine containing antigens from *S. aureus*. 4,840,794, 6-20-89, Cl. 424-92.000.
Watson, Douglas M. Compact tabletop machine for making labels and other laminations. 4,882,004, 11-21-89, Cl. 156-381.000.
Watson, George P.; and Meehan, Kathleen, to Lytel Corporation. Fabrication of integral lenses on LED devices. 4,797,179, 1-10-89, Cl. 156-647.000.
Watson, Graham; and Furumoto, Horace, to General Hospital Corporation, The. Use of lasers to break down objects. 4,887,600, 12-19-8 Cl. 606-128.000.
Watson, Herman, to Respitrace Corporation. Single position non-invasive calibration technique. 4,834,109, 5-30-89, Cl. 128-721.000.
Watson, Herman L.; Sackner, Deborah R.; Pak, Chu; and Sackner, Marvin A., to Respitrace Corporation. Stretchable band-type transducer particularly suited for respiration monitoring apparatus. 4,807,640, 2-28-89, Cl. 128-721.000.
Watson, Herman L.; Sackner, Marvin A.; and Stott, Frank D., to Respitrace Corporation. Method and apparatus for monitoring respiration. 4,815,473, 3-28-89, Cl. 128-721.000.
Watson, James A., to Chrysler Motors Corporation. Gearshift indicator cable mounting clip. 4,838,197, 6-13-89, Cl. 116-28.100.
Watson, James E.; and Davies, Theodore E., to Gas Research Institute. Auxiliary flue for furnaces. 4,829,703, 5-16-89, Cl. 432-181.000.
Watson, James E.; and Davies, Theodore E., to Gas Research Institute. Radiant tube fired with two bidirectional burners. 4,878,480, 11-7-89, Cl. 126-91.00A.
Watson, James S., to Sanders Associates, Inc. Low-cost, high-accuracy digitizer signal acquisition apparatus and method. 4,820,886, 4-11-89, Cl. 178-19.000.
Watson, James S., to CalComp, Inc. Shifting wire sequence digitizer system. 4,835,347, 5-30-89, Cl. 178-19.000.
Watson, James S., to Calcomp Inc. Ground switching technique for silkscreened digitizer grids. 4,853,499, 8-1-89, Cl. 178-19.000.
Watson, James T., to British Steel plc. Processing steel slabs. 4,810,191, 3-7-89, Cl. 432-241.000.
Watson, James T., to British Steel plc. Heat conservation of hot metal slabs. 4,811,588, 3-14-89, Cl. 72-202.000.
Watson, James V., to Medical Research Council. Light collecting device with chamber including ellipsoidal surface and spherical surface. 4,871,249, 10-3-89, Cl. 356-73.000.
Watson, Jeremy P., to Bard Limited. Medical pump for debris collection. 4,801,292, 1-31-89, Cl. 604-36.000.
Watson, John D.: *See—*
  Gill, Stephen P.; Watson, John D.; and Brink, Keith O., 4,849,699, Cl. 324-339.000.

  Pond, Eugene W.; Rush, Jeffrey R.; Watson, John D.; Woodall, Bruce A.; Goode, Walter M.; and Goode, George E., 4,864,616, Cl. 380-25.000.
Watson, John P.; and Graff, William P. Gravity-operated gate latch apparatus. 4,799,720, 1-24-89, Cl. 292-299.000.
Watson, Keith G.; and Lovel, Craig G., to ICI Australia Limited. Herbicidal cyclohexane-1,3-dione derivatives. 4,795,487, 1-3-89, Cl. 71-100.000.
Watson, Keith G.; Garson, Lynette A.; Bird, Graham J.; and Farquharson, Graeme J., to ICI Australia Limited. Herbicidal compounds and compositions. 4,806,141, 2-21-89, Cl. 71-121.000.
Watson, Keith G., to ICI Australia Limited. Process for the synthesis of phenoxyalkane derivatives. 4,837,355, 6-6-89, Cl. 560-061.000.
Watson, Keith G.; and Lovel, Craig G., to ICI Australia Limited. Herbicidal cyclohexane-1,3-dione derivatives. 4,886,911, 12-12-89, Cl. 564-221.000.
Watson, Keith G.; and Lovel, Craig G., to ICI Australia Limited. Herbicidal amino-mesityl cyclohexane-1,3-dione compounds. 4,888,043, 12-19-89, Cl. 71-88.000.
Watson, Keith G.: *See—*
  Serban, Alexander; Watson, Keith G.; and Farquharson, Graeme J., 4,803,273, Cl. 544-354.000.
Watson, Keith R.: *See—*
  Dandliker, Walter B.; Barr, Howard S.; Katzenstein, Henry S.; and Watson, Keith R., 4,877,965, Cl. 250-458.100.
Watson, Kevin D.: *See—*
  Chiron, Paul J.; Watson, Kevin D.; and Shaw, Raymond W., 4,880,541, Cl. 210-496.000.
Watson, Lewis D.: *See—*
  Opsahl, Arthur W.; and Watson, Lewis D., 4,851,463, Cl. 524-109.000.
Watson, Lloyd D.: *See—*
  Alvarez, Joseph L.; and Watson, Lloyd D., 4,806,150, Cl. 75-0.50C.
Watson, Martin J.: *See—*
  Ashbolt, Mark T.; Watson, Martin J.; and Mann, Thomas G., deceased, 4,815,348, Cl. 83-383.000.
Watson, Mary M.: *See—*
  Williams, David R.; and Watson, Mary M., 4,848,930, Cl. 383-104.000.
Watson, P. Keith; Till, Henry R.; and Croucher, Melvin D., to Xerox Corporation. Electrophotographic and electrographic imaging processes. 4,804,601, 2-14-89, Cl. 430-32.000.
Watson, P. Keith; Morrison, Ian D.; and Croucher, Melvin D., to Xerox Corporation. Electrophotographic process for generating two-color images using liquid developer. 4,877,698, 10-31-89, Cl. 430-45.000.
Watson, Paul: *See—*
  Pedder, David J.; Watson, Paul; and Bache, Richard A. C., 4,847,500, Cl. 250-338.300.
Watson, Richard C.: *See—*
  Ekowicki, Robert; and Watson, Richard C., 4,823,104, Cl. 337-102.000.
Watson, Richard D., to General Motors Corporation. Solenoid valve. 4,830,333, 5-16-89, Cl. 251-129.180.
Watson, Richard R., to Gilmore Valve Company. Sliding metal seal valve mechanism. 4,856,557, 8-15-89, Cl. 137-625.250.
Watson, Richard W., to BOC Group, Inc., The. Treatment of waste material. 4,853,206, 8-1-89, Cl. 423-542.000.
Watson, Rick D.: *See—*
  Loeffler, John M.; and Watson, Rick D., 4,827,793, Cl. 74-477.000.
Watson, Robert B. Negative carrier assembly for omega enlargers. 4,887,127, 12-12-89, Cl. 355-75.000.
Watson, Robert C., to Kearney & Trecker Corporation. Tool clamping mechanism. 4,845,834, 7-11-89, Cl. 29-568.000.
Watson, Robert L.; and Rayburn, Robert L. Incentive inhalation spirometer apparatus. 4,809,706, 3-7-89, Cl. 128-725.000.
Watson, Robert M.; Sheldon, Edward L., III; and Snead, Richard M., to Cetus Corporation. Process for labeling single-stranded nucleic acids and hybridizaiton probes. 4,822,731, 4-18-89, Cl. 435-6.000.
Watson, Robert N.: *See—*
  Hall, John H.; and Watson, Robert N., 4,835,989, Cl. 66-203.000.
Watson, Roger J.; Weis, John W.; and Enquist, Lynn W., to American Cyanamid Company. Production of herpes simplex viral protein. 4,818,694, 4-4-89, Cl. 435-68.000.
Watson, Stanley W.: *See—*
  Waterbury, John B.; Watson, Stanley W.; Glazer, Alexander N.; and Ong, Linda J., 4,857,474, Cl. 436-501.000.
Watson, Stuart L., Jr.; Hostler, Paul H.; and Haley, David L., to E. R. Carpenter Company, Inc. Enhanced homogeneous polyurethane foam comfort cushioning and process for making same. 4,816,494, 3-28-89, Cl. 521-137.000.
Watson, Thomas F.; and Towery, Donald R., deceased (by Towery, Barbara W., legal representative), to Burlington Industries, Inc. Flame-resistant microporous coatings. 4,869,953, 9-26-89, Cl. 428-260.000.
Watson, Thomas J. Identity light. 4,890,203, 12-26-89, Cl. 362-102.000.
Watson, Thomas M., III, to Texas Instruments Incorporated. Nonparametric imaging tracker. 4,868,871, 9-19-89, Cl. 382-1.000.
Watson, W. Keith R., to Watson, W. Keith R.; and Haefliger, William W., part interest to each. Lidocaine hydrochloride, citric acid and dimethyl sulfoxide, solution, and formation thereof. 4,851,442, 7-25-89, Cl. 514-553.000.
Watson, William J. W.: *See—*
  Harper, Kevin; and Watson, William J. W., 4,808,681, Cl. 526-270.000.
Watt, Charles R.; Groll, Frederick K.; and Scaramuzzo, John A., Jr., to Digital Equipment Corporation. Automatic servo gain calibration system for a disk drive. 4,890,172, 12-26-89, Cl. 360-77.040.
Watt, David N.: *See—*
  Maher, David L.; and Watt, David N., 4,833,966, Cl. 89-33.160.
Watt, James A.; and Watt, Stanley A. Moving picture device. 4,870,768, 10-3-89, Cl. 40-430.000.
Watt, Keith A.; and Bachman, William E., to Gencorp Inc. Textured suede. 4,808,458, 2-28-89, Cl. 428-90.000.
Watt, Peter J.: *See—*
  Thorp, Graham M.; Allchin, James F. C.; Marquis, Geoffrey F.; Burattini, Dino; and Watt, Peter J., 4,858,401, Cl. 52-100.000.
Watt, Richard E.: *See—*
  Lind, Larry W.; and Watt, Richard E., 4,805,739, Cl. 187-121.000.
Watt, Stanley A.: *See—*
  Watt, James A.; and Watt, Stanley A., 4,870,768, Cl. 40-430.000.
Watt Watcher, Inc., The: *See—*
  Mix, Jerome M.; and Hu, Charles C., 4,820,938, Cl. 307-117.000.
Wattanasin, Sompong: *See—*
  Chen, Kau-Ming; Hardtmann, Goetz E.; Kapa, Prasad K.; Lee, George T.; Linder, Jerome; and Wattanasin, Sompong, 4,870,199, Cl. 556-437.000.
Wattebled, Christian: *See—*
  Girard, Joel; and Wattebled, Christian, 4,889,371, Cl. 292-201.000.
Watten, Barnaby J. Multiple stage gas absorber. 4,880,445, 11-14-89, Cl. 55-68.000.
Watterson, Scott R., to Weslo, Inc. Multipurpose exercising apparatus. 4,796,881, 1-10-89, Cl. 272-72.000.
Watterson, Scott R., to Weslo, Inc. Multipurpose exerciser. 4,813,667, 3-21-89, Cl. 272-97.000.
Watthey, Jeffrey W. H., to Ciba-Geigy Corporation; and Ciba-Geigy Corporation. Propylamine derivatives useful for the treatment of dementia. 4,824,868, 4-25-89, Cl. 514-651.000.
Wattier, Maurice F.: *See—*
  Hamelin, Rene-Louis; and Wattier, Maurice F., 4,802,374, Cl. 74-89.140.
Wattigny, C. Jerry: *See—*
  Jenkins, Robert L., 4,838,354, Cl. 166-311.000.
Wattis, Richard D.: *See—*
  Chiles III, Robert E.; Neville, Bruce R.; Wattis, Richard D.; and Werthmann, Scott, 4,887,813, Cl. 273-54.00C.
Wattley, Ruth V.; and Kieczykowski, Gerard R., to Merck & Co., Inc. Process for the geometric stereoselective dehydration of 3-(9-chloro-5,6-dihydro-11H-11-hydroxy-pyrrolo-(2,1-B)(3)-benzazepin-11-yl)-N,N-dimethyl-1-propanamine. 4,820,818, 4-11-89, Cl. 540-586.000.
Watton, John F.: *See—*
  Olson, Gregory B.; Watton, John F.; and Cohen, Morris, 4,836,869, Cl. 148-331.000.
Watton, Rex: *See—*
  Manning, Paul A.; and Watton, Rex, 4,808,822, Cl. 250-332.000.
Watts, Andrew J., to Shell Oil Company. Misfuelling prevention device and method. 4,838,323, 6-13-89, Cl. 141-1.000.
Watts, Charles E.: *See—*
  Hutcheson, J. Stanford; Lutz, Richard W.; Obrist, Paul A.; Flaugher, David J.; and Watts, Charles E., 4,889,132, Cl. 128-680.000.
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Waugh, Arthur, to BTU Engineering Corporation. Double wall fast cool-down furnace. 4,802,441, 2-7-89, Cl. 118-666.000.

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Wawro, Thaddeus J.; English, Stanley R.; and Danna, Dominick, to Welch Allyn, Inc. Lamp assembly and receptacle. 4,887,154, 12-12-89, Cl. 358-98.000.

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Weaver, Mark L., to Aluminum Company of America. Method and apparatus for making light metal-alkali metal master alloy using alkali metal-containing scrap. 4,882,017, 11-21-89, Cl. 204-71.000.

Weaver, Marvin G., Jr.; Bohman, Carl E.; Strosser, Richard P.; McClure, John R.; and Chow, Mark K., to Ford New Holland, Inc. Method and apparatus for adjusting a shear bar relative to a cutter head. 4,799,625, 1-24-89, Cl. 241-30.000.

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Weaver, Max A.; and Adams, L. Jane, to Eastman Kodak Company. Water-dissipatable polyester and polyester-amides containing copolymerized colorants. 4,804,719, 2-14-89, Cl. 525-420.000.

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- Weaver, Robert J. Davit system for an inflatable dinghy or other small inflatable boat. 4,850,295, 7-25-89, Cl. 114-259.000.
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- Weaver, Thomas D., to Du Pont de Nemours, E. I., and Company. Direct positive dimethine cyanine dyes containing 1-aryl-2-heteroaryl indole nucleus. 4,839,271, 6-13-89, Cl. 430-596.000.
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- Weaver, William R., to Libbey-Owens-Ford Co. Method of molding a window assembly. 4,830,804, 5-16-89, Cl. 264-139.000.
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  - Wissler, Thomas, 4,826,232, Cl. 296-216.000.
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  - Waas, Peter, 4,860,951, Cl. 237-2.00A.
- Webb, Brian: *See—*
  - Wentworth, Robert M.; and Webb, Brian, 4,818,821, Cl. 174-52.400.
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- Webb, Bryant F.: *See—*
  - Naaktgeboren, Adrianus; Van Eecke, Roger H.; Todd, Robert R.; and Webb, Bryant F., 4,862,684, Cl. 56-341.000.
- Webb, Christopher: *See—*
  - Eckstein, James N.; Webb, Christopher; and Weng, Shang-Lin, 4,812,650, Cl. 250-307.000.
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  - Bays, David E.; Webb, Colin F.; and Dowle, Michael D., 4,839,377, Cl. 514-415.000.
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- Webb, Dana L.: *See—*
  - Warren, Bruce A.; and Webb, Dana L., 4,877,404, Cl. 434-118.000.
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- Webb, Donald L., to General Motors Corporation. Combination water pump and belt tensioner. 4,822,321, 4-18-89, Cl. 474-117.000.
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- Webb, Judy K.: *See—*
  - McKenney, Billie R.; Aldridge, Donald; and Webb, Judy K., 4,864,655, Cl. 2-93.000.
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  - Krupnick, Steven B.; and Carlson, Gary F., 4,867,146, Cl. 128-858.000.
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  - Hiscock, Laura J.; Baretz, Bruce H.; and Webb, Richard L., 4,868,241, Cl. 525-59.000.
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  - Webb, James W.; and Webb, Sheldon, 4,844,496, Cl. 280-477.000.
- Webb, Spencer L., to Analog Devices, Inc. Single-winding magnetometer with oscillator duty cycle measurement. 4,859,944, 8-22-89, Cl. 324-253.000.
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  - Wilkinson, William R.; Webber, Marion G.; and King, Dean J., 4,887,790, Cl. 249-52.000.
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  - Alexoff, Carl; Rosetta, Richard; Dennis, Michael; and Coll, Thomas E., 4,858,123, Cl. 364-412.000.

- Webcraft Technologies, Inc.: *See—*
  - Grainger, Frederick, 4,824,143, Cl. 283-56.000.
  - Hoffman, William; Lanas, Marcelo; and Weiss, Douglas, 4,839,200, Cl. 427-265.000.
  - Schoenleber, Donald; Grainger, Frederick; and Donahue, Patrick J., 4,801,076, Cl. 229-92.700.
- Webendorfer, Rudolf: *See—*
  - Taubert, Hubert; and Webendorfer, Rudolf, 4,820,098, Cl. 411-411.000.
- Weber, Adam: *See—*
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- Weber, Adolf: *See—*
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  - Kanigowski, Andrzej S., 4,852,940, Cl. 297-145.000.
  - Stringer, Calvin R., 4,819,987, Cl. 297-434.000.
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- Weber, Andreas. Cutter and guide for wall coverings and floor coverings. 4,856,191, 8-15-89, Cl. 30-123.000.
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- Weber, Bernd: *See—*
  - Sauer, Heinz; Dallmeyer, Hermann; Zarnack, Uwe J.; Keggenhoff, Berthold; and Weber, Bernd, 4,851,571, Cl. 560-347.000.
- Weber, Bret S. *See—*
  - DuLac, Keith B.; and Weber, Bret S., 4,843,544, Cl. 364-200.000.
- Weber, Bryan: *See—*
  - Singer, Norman; Speckman, Jon; and Weber, Bryan, 4,828,396, Cl. 365-149.000.
- Weber, Charles: *See—*
  - Baker, Gerald; Beierwaltes, Craig; Gardner, William; and Weber, Charles, 4,867,063, Cl. 101-424.200.
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- Weber, Daniel R., to Data Instruments, Inc. Intrusion detection system for operating industrial machines with variable sensitivity. 4,818,866, 4-4-89, Cl. 250-221.000.
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  - Zulauf, Gary B.; and Weber, David C., 4,816,643, Cl. 219-270.000.
- Weber, David R.; and Weber, Russell L. Bucket auger. 4,854,404, 8-8-89, Cl. 175-327.000.
- Weber, Eduard: *See—*
  - Batheja, Pramod; Ohrlein, Manfred; Rau, Peter, and Weber, Eduard, 4,826,649, Cl. 376-230.000.
- Weber, Edwin R.: *See—*
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- Weber, Erich. Process of coating and drying both sides of printed circuit boards. 4,871,584, 10-3-89, Cl. 427-96.000.
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  - Chikhani, Rene J.; and Weber, Frank, 4,839,657, Cl. 342-190.000.
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- Weber, Franz K., to Modulite Corporation. Knockdown ring frame for lamp shade. 4,841,424, 6-20-89, Cl. 362-352.000.
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- Weber, Gerald M.: *See—*
  - Willhite, William, Jr.; Weber, Gerald M.; and Retier, Godfrey, 4,823,783, Cl. 128-156.000.
- Weber, Gerhard: *See—*
  - Hinz, Paul; Dislich, Helmut; and Weber, Gerhard, 4,877,668, Cl. 428-68.000.
- Weber, Glenn T., to Taltronics Corporation. Automatic shut-off appliance timer. 4,835,349, 5-30-89, Cl. 200-38.00R.
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- Weber, Guenter: *See—*
  - Kliem, Erhard; Weber, Guenter; and Kunz, Alfred, 4,876,079, Cl. 423-578.00R.
- Weber, Gunther; and Heinze, Horst, to Weber, Gunther. Drive and bearing arrangement for a cutting head of a circular cutting machine. 4,843,932, 7-4-89, Cl. 83-490.000.
- Weber, Hans, to Benninger AG. Method for mercerizing textile fabric webs and apparatus for carrying out the method. 4,888,340, 12-26-89, Cl. 8-151.000.
- Weber, Hans B., to National Castings, Inc. Truck-mounted articulated connector for railway cars. 4,867,071, 9-19-89, Cl. 105-4.100.
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- Weber, Hans-Ulrich: *See—*
  - Haas, Peter; Sommerfeld, Claus-Dieter; and Weber, Hans-Ulrich, 4,874,797, Cl. 521-167.000.
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  - Graalmann, Onno; Kreibiehl, Guenter; Turznik, Gerhard; and Weber, Heinz, 4,885,206, Cl. 428-316.600.
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  - Frankel, Milton B.; and Weber, James F., 4,795,593, Cl. 260-349.000.
- Weber, James H.; and Cornish, Rodney H. Vacuum control valve. 4,856,478, 8-15-89, Cl. 123-407.000.
- Weber, James J.: *See—*
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  - Kuphal, Jeffrey A.; Robeson, Lloyd M.; and Weber, James J., 4,874,030, Cl. 164-34.000.
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- Weber, Jens, to Krone Aktiengesellschaft. Optical demultiplex transmission equipment. 4,800,557, 1-24-89, Cl. 370-3.000.
- Weber, Johann: *See—*
  - Scott, Lewis A.; and Weber, Johann, 4,827,821, Cl. 83-831.000.
- Weber, John H. Leaf and grass mulching attachment for lawn mowers. 4,864,808, 9-12-89, Cl. 56-320.200.
- Weber, John H.: *See—*
  - Haeberle, Ronald M., Jr.; Smith, Gaylord D.; Weber, John H.; Fisher, Roneldo L.; Gaul, David J.; and Hinze, Jay W., 4,877,435, Cl. 65-1.000.
- Weber, Josef: *See—*
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- Weber, Jurg: *See—*
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  - Perevuznik, Josef; Spinnler, Fritz; and Weber, Jurg, 4,883,413, Cl. 418-55.000.
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- Weber, Jurgen: *See—*
  - Ring, Manfred; Weber, Jurgen; and Ackermann, Helmut, 4,854,707, Cl. 356-356.000.
- Weber, Karl, to Polaroid Corporation. Eyeglasses with detachable lenses. 4,799,781, 1-24-89, Cl. 351-86.000.
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- Weber, Karl-Heinz, to Gebr. Eickhoff Maschinenfabrik u. Eisengiesserei mbH. Two-way communication system for winning machines in underground mining. 4,870,697, 9-26-89, Cl. 455-70.000.
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  - Lehr, Erich; Bechtel, Wolf-Dietrich; Boke-Kuhn, Karin; Schneider, Claus; Walther, Gerhard; and Weber, Karl-Heinz, 4,812,453, Cl. 514-255.000.
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- Weber, Kenneth E., to Cyprus Minerals Company. Beneficiated talcs. 4,820,347, 4-11-89, Cl. 106-469.000.
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  - Bartkowiak, Klaus; Graf, Joachim; Urbahn, Friedrich; and Weber, Klaus, 4,881,694, Cl. 242-43.00R.
- Weber, Kurt: *See—*
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  - Hefti, Heinz; Artz, Klaus; Weber, Kurt; Burdeska, Kurt; and Reinehr, Dieter, 4,889,655, Cl. 252-301.220.
- Weber, Kurt J., to Maillefer S.A. Extrusion equipment for coating wire. 4,838,777, 6-13-89, Cl. 425-114.000.
- Weber, Larry F.; Warren, Kevin W.; and Wood, Mark B., to University of Illinois, The Board of Trustees of the. Power efficient sustain drivers and address drivers for plasma panel. 4,866,349, 9-12-89, Cl. 315-169.400.
- Weber, Lawrence: *See—*
  - Davies, Michael L.; and Weber, Lawrence, 4,818,854, Cl. 235-381.000.
- Weber, Lee A.; and Machesky, Frank, to Babcock & Wilcox Company, The. Shut-off/equalizing valve with molded seals. 4,844,413, 7-4-89, Cl. 251-314.000.
- Weber, Mark W., to Honeywell Inc. Ring laser having amplitude and phase controlled externally injected back scatter. 4,807,998, 2-28-89, Cl. 356-350.000.
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- Weber, Otto: *See—*
  - Denker, Dietrich; Seifert, Peter; Weber, Otto; and Schicht, Horst, 4,824,166, Cl. 296-204.000.
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- Weber, Paul; and Hevia, Oscar, to University of Miami. Infrared reflecting composition for topical application to the skin. 4,828,825, 5-9-89, Cl. 424-59.000.
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- Weber, Ralph, to Kortec AG. Charging material preheater for preheating charging material for a metallurgical smelting unit. 4,852,858, 8-1-89, Cl. 266-175.000.
- Weber, Ralph G.; and Wells, William, to Kortec AG. Process for feeding heat energy into a molten metal bath. 4,881,972, 11-21-89, Cl. 75-93.00G.
- Weber, Rebecca J.: *See—*
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- Weber, Rene, to I.D.R. B.V. Magnetic fastening system for dental prosthesis. 4,880,383, 11-14-89, Cl. 433-189.000.
- Weber, Richard A.: *See—*
  - Kurtz, Anthony D.; Nunn, Timothy A.; and Weber, Richard A., 4,814,856, Cl. 357-73.000.
  - Litterscheidt, Hans; Rahder, Manfred; Schutz, Carl-Heinz; and Weber, Richard A., 4,808,220, Cl. 75-51.700.
- Weber, Richard G., to Emhart Industries, Inc. Solenoid powered riveting tool. 4,836,008, 6-6-89, Cl. 72-391.000.
- Weber, Richard M.: *See—*
  - Sallas, John J.; Weber, Richard M.; and Lamance, David S., 4,855,967, Cl. 367-190.000.
- Weber, Robert. Method of manufacturing overshoes. 4,847,934, 7-18-89, Cl. 12-142.00R.
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  - Johansen, Trond V.; Ruch, Ola; Naess, Ludvig; Weber, Robert; Veenhoff, Bernd; Porner, Horst; Laurer, Erwin; Strickroth, Erich; and Schabert, Hans-Peter, 4,852,614, Cl. 138-93.000.
  - Operschall, Hermann; and Weber, Robert, 4,818,472, Cl. 376-260.000.
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- Weber, Robert C. Refrigerant alert and automatic recharging device. 4,856,288, 8-15-89, Cl. 62-129.000.
- Weber, Robert E.; and Stokes, Bruce G., to Kimberly-Clark Corporation. Tape backing substrate. 4,837,070, 6-6-89, Cl. 428-172.000.
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  - Braun, Ralph V.; Brown, Christine H.; Fitting, Steven W.; Garren, Lance J., Jr.; Law, David C.; and Weber, Robert E., 4,818,600, Cl. 428-290.000.
- Weber, Robert J., to Rockwell International Corporation. Inductorless MMIC oscillator. 4,816,778, 3-28-89, Cl. 331-57.000.
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- Weber, Robert J., Jr.: *See—*
  - Koleske, Joseph V.; Smith, Donald F., Jr.; and Weber, Robert J., Jr., 4,847,329, Cl. 525-162.000.
- Weber, Robert L., to Grindmaster Corporation. Universal brew basket support arms. 4,794,853, 1-3-89, Cl. 99-295.000.
- Weber, Robert N.; and Zeiders, Jeffrey A., to AMP Incorporated. Transition of a multiple fiber cable to single fiber cable. 4,826,277, 5-2-89, Cl. 350-96.230.
- Weber, Robert W.: *See—*
  - Dean, Richard T.; Lin, Youlin; Weber, Robert W.; and White, David H., 4,826,673, Cl. 424-9.000.
- Weber, Roland: *See—*
  - Fellinger, Christine; Einzinger, Josef; Leipold, Ludwid; Tihanyi, Jenoe; and Weber, Roland, 4,801,824, Cl. 307-558.000.
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- Weber, Roland E., to Applied Biometrics, Incorporated. Endotracheal tube with asymmetric balloon. 4,886,059, 12-12-89, Cl. 128-207.150.
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  - Lowrance, Darrell J.; and Weber, Ronald G., 4,879,697, Cl. 367-111.000.
- Weber, Ronald M., to AMP Incorporated. Programmable modular connector assembly. 4,797,123, 1-10-89, Cl. 439-717.000.
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- Weber, Ronald M.; Swengel, Robert C., Jr.; Weidler, Charles H.; and Wise, James H., to AMP Incorporated. Programmable modular connector assembly. 4,820,169, 4-11-89, Cl. 439-65.000.
- Weber, Russell L. Heat pump. 4,800,736, 1-31-89, Cl. 62-324.100.
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  - Ausiello, Francesco P.; Ricco, Mario; and De Matthaeis, Santo Luigi, 4,872,438, Cl. 123-514.000.
  - Bonfiglioli, Silverio; Fargnoli, Gianni; and Fato, Massimo, 4,886,025, Cl. 123-339.000.
  - Cristiani, Marcello; and Martoccia, Nicola, 4,834,295, Cl. 239-585.000.
  - de Concini, Roberto; and Stagni, Rino, 4,805,575, Cl. 123-468.000.
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  - Filippi, Renato; and Ricco, Mario, 4,870,940, Cl. 123-506.000.
  - Triolo, Innocenzo; Toschi, Lanfranco; and Lorenzoni, Marcello, 4,834,623, Cl. 417-366.000.
- Weber-Schraubautomaten GmbH & Co., K.G.: *See—*
  - Weber, Karl-Heinz, 4,856,389, Cl. 81-429.000.
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  - Scarnera, Michele; and Francia, Paolo, 4,831,537, Cl. 364-431.050.
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- Weber-Stephen Products Co.: *See—*
  - Schlosser, Erich J., 4,829,978, Cl. 126-41.00R.
  - Schlosser, Erich J.; and Stephen, James C., 4,836,179, Cl. 126-25.00R.
  - Schlosser, Erich J.; and Leja, Andrzej, 4,860,724, Cl. 126-38.000.
  - Tucker, James E., 4,821,681, Cl. 119-51.00R.
- Weber, Thomas: *See—*
  - Zwicky, Ruedi; Weber, Thomas; and Baumgartner, Dominik, 4,851,757, Cl. 322-58.000.
- Weber-Unger, Georg: *See—*
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- Weber, Vincent L.: *See—*
  - Bosyj, Nick M.; Leonatti, John A.; Weber, Vincent L.; and Wagner, Gregory P., 4,831,685, Cl. 15-344.000.
  - Crouser, Darwin S.; and Weber, Vincent L., 4,888,851, Cl. 15-371.000.
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  - Brindopke, Gerhard; Godau, Claus; and Weber, Walter, 4,859,788, Cl. 558-398.000.
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  - Jeschke, Willi; and Weber, Werner, 4,838,163, Cl. 101-349.000.
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  - Achtenberg, Theo; Metzinger, Hans-Gerd; Sattlegger, Hans; Sockel, Karl-Heinz; and Weber, Wilhelm, 4,870,130, Cl. 524-787.000.
  - Bock, Gustav; Trauth, Hubert; Weber, Wilhelm; and Lechtken, Peter, 4,826,580, Cl. 524-110.000.
  - Frisch, David C.; Manzione, Louis T.; Poelzing, Gerhard W.; and Weber, Wilhelm, 4,837,129, Cl. 430-319.000.
- Weber, Willis W.: *See—*
  - Reed, Andrew M.; Askill, Ian N.; and Weber, Willis W., 4,849,458, Cl. 521-159.000.
- Weber, Wolfram: *See—*
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- Weberndoerfer, Volkmar: *See—*
  - Degen, Hans-Juergen; Pfohl, Sigberg; Weberndoerfer, Volkmar; Rehmer, Gerd; Kroener, Michael; and Stange, Andreas, 4,818,341, Cl. 162-168.200.
- Webers, Werner: *See—*
  - Henn, Friedrich; Neier, Wilhelm; Strehlke, Gunter; and Webers, Werner, 4,831,197, Cl. 568-899.000.
- Webler, William E., to American Hospital Supply Corporation. Apparatus with fast response thermistor. 4,796,640, 1-10-89, Cl. 128-736.000.
- Webler, William E. Injectateless thermal cardiac output determination method and apparatus. 4,819,655, 4-11-89, Cl. 128-713.000.
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  - Tafel, Leonard I.; and Kosoglad, Leonard W., 4,821,973, Cl. 242-57.000.
- Webster, Alexander P., to Aeroquip Corporation. Reconnectable frangible ball valve coupling. 4,884,591, 12-5-89, Cl. 137-68.100.
- Webster, Charles; and John, Christian J., to American National Can Company. Linerless cap closure. 4,878,589, 11-7-89, Cl. 215-252.000.
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- Webster, Charles N.; and Scott, Robert O., to United States of America, National Aeronautics and Space Administration. Method of controlling a resin curing process. 4,810,438, 3-7-89, Cl. 264-40.600.
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  - Lang, Stephen M.; and Webster, David F., 4,860,737, Cl. 128-156.000.
- Webster, David R. Roller-type presses including methods associated therewith. 4,826,571, 5-2-89, Cl. 162-205.000.
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- Webster, Desmond E. C. Multi position reversible latching assembly. 4,854,618, 8-8-89, Cl. 292-244.000.
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  - Elliott, Daniel J., 4,836,240, Cl. 137-493.000.
  - LaPointe, Roland R., 4,836,249, Cl. 137-625.230.
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- Webster, Gary L.: *See—*
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- Webster, Harold A., to Corrosion Service Company Limited. Corrodible link for cathodic protection systems. 4,863,578, 9-5-89, Cl. 204-197.000.
- Webster, Harold F., to General Electric Company. Self packaging chip mount. 4,796,156, 1-3-89, Cl. 361-386.000.
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- Webster, John A. Stereoscopic viewing system and method. 4,874,235, 10-17-89, Cl. 351-201.000.
- Webster, John R. Combination rifle rest and animal choke stick. 4,882,869, 11-28-89, Cl. 42-94.000.
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  - Shiley, Richard H.; Hughes, Randall E.; Webster, John R.; Hinckley, Conrad C.; Smith, Gerald V.; and Wiltowski, Tomasz, 4,888,029, Cl. 44-622.000.
- Webster, John W., II. Person-to-person resuscitation device. 4,834,085, 5-30-89, Cl. 128-203.110.
- Webster, Joseph P.; and Gustafson, William L., to Newco Research Corp. Modularized custom beverage brewer. 4,829,888, 5-16-89, Cl. 99-284.000.
- Webster, Joseph R., to American Cyanamid Company. Radiation sterilizable composition and articles made therefrom. 4,820,755, 4-11-89, Cl. 524-88.000.
- Webster, Marvin K.: *See—*
  - Porter, Marion G.; Webster, Marvin K.; and Lange, Ronald E., 4,831,622, Cl. 371-10.000.
- Webster, Maynard A. Underwear with partitioning liner. 4,870,958, 10-3-89, Cl. 128-159.000.
- Webster, Milo E., to Integrated Fluidics, Inc. Valve with flexible sheet member. 4,848,722, 7-18-89, Cl. 251-61.100.
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- Webster, Noel E.; and Meredith, Kimberly. Portable locking device. 4,811,577, 3-14-89, Cl. 70-14.000.
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- Webster Spring Co. Inc.: *See—*
  - Hagemeister, Robert C., 4,796,872, Cl. 267-103.000.
  - Hagemeister, Robert C., 4,828,233, Cl. 267-103.000.
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  - Ramsey, Henry R., 4,813,656, Cl. 267-80.000.
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- Webster, Van K., to AMP Incorporated. Circuit card retaining device. 4,872,853, 10-10-89, Cl. 439-327.000.
- Webtron Corporation: *See—*
  - Washchynsky, Bohdan; and Fisher, Vladimir J., 4,878,427, Cl. 101-219.000.
- Wech, Herbert: *See—*
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- Wech, Robert J., to Amplas, Inc. Multiple seam forming apparatus for continuously running webs. 4,820,249, 4-11-89, Cl. 493-192.000.
- Wech, Robert J., to Amplas, Inc. Draw tape bag forming method and apparatus. 4,881,933, 11-21-89, Cl. 493-225.000.
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- Wechner, Edward, to Joy Technologies Inc. Bit holder for miner. 4,828,327, 5-9-89, Cl. 299-91.000.
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- Wechner, Edward, to Joy Technologies Inc. Chain conveyor drive. 4,865,184, 9-12-89, Cl. 198-834.000.
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- Wechsler, Klaus: *See—*
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- Wechsler, Lawrence I. Float for fluid measurements. 4,873,872, 10-17-89, Cl. 73-861.570.
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  - Sawicki, Wolfgang H.; Svensson, Tomas L.; Weck, Bernd K.; and Meier-Dornberg, Karl E., 4,884,461, Cl. 73-862.060.
- Wecke, Liliane: *See—*
  - Lekholm, Anders; Sall, Gosta; Wecke, Liliane; and Hognelid, Kurt, 4,869,251, Cl. 128-419.0PG.
- Weckenbrock, Hermann J., to RCA Licensing Corporation. Circuitry for expanding the effect of a video control signal in multiple dimensions. 4,868,650, 9-19-89, Cl. 358-105.000.
- Wecker, Dieter: *See—*
  - Hocker, Jurgen; Faehndrich, Jurgen; Hespe, Hans; Sirinyan, Kirkor; and Wecker, Dieter, 4,820,580, Cl. 428-314.400.
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- Weckler, Joachim. Loudspeaker housing. 4,807,293, 2-21-89, Cl. 381-159.000.
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- Weddige, Ronald C.: *See—*
  - Hemmady, Jayant G.; Lidinsky, William P.; Nichols, Robert K.; Richards, Gaylord W.; Roediger, Gary A.; Steele, Scott B.; Weddige, Ronald C.; and Zelle, Bruce R., 4,872,157, Cl. 370-60.000.
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- Wedding, Brent M.: *See—*
  - Borrelli, Nicholas F.; Smith, Dennis W.; and Wedding, Brent M., 4,832,724, Cl. 65-30.110.
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- Wedeken, Udo: *See—*
  - Maaz, Gunther; Wedeken, Udo; Bierich, Eduard; and Stadler, Eberhard, 4,825,968, Cl. 177-212.000.
- Wedekind, Reinhard: *See—*
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  - Trenkler, Gerhard; Wedekind, Reinhard; and Maier, Reinhard, 4,890,058, Cl. 324-158.0MG.
- Wedel, Alfred W., to Cameron Iron Works USA, Inc. Casing patch method and apparatus. 4,830,109, 5-16-89, Cl. 166-277.000.
- Wedel, Alfred W.: *See—*
  - Cassity, Thomas G.; Montgomery, William C.; Baker, Gerald S.; Wedel, Alfred W.; and Taylor, William M., 4,862,426, Cl. 367-81.000.
- Wedel, Gregory L., to Beloit Corporation. Apparatus for maintaining the edges of a web in conformity with a dryer felt. 4,807,371, 2-28-89, Cl. 34-117.000.
- Wedel, Gregory L., to Beloit Corporation. Web transfer apparatus. 4,815,220, 3-28-89, Cl. 34-120.000.
- Wedel, Gregory L.; and Chance, J. Larry, to Beloit Corporation. Calendering apparatus using inductive heating for hot-calendering a paper web. 4,823,688, 4-25-89, Cl. 100-93.0RP.
- Wedel, Gregory L., to Beloit Corporation. Transfer apparatus from press section to drying section. 4,875,976, 10-24-89, Cl. 162-306.000.
- Wedel, Gregory L., to Beloit Corporation. Dryer apparatus for drying a web. 4,876,803, 10-31-89, Cl. 34-117.000.
- Wedel, Gregory L., to Beloit Corporation. Insulating apparatus for thermally insulating a dryer head. 4,878,299, 11-7-89, Cl. 34-35.000.
- Wedel, Gregory L., to Beloit Corporation. Press drying apparatus with deflection control and blow box cooling. 4,880,502, 11-14-89, Cl. 162-359.000.
- Wedel, Gregory L.; and Chance, J. Larry, to Beloit Corporation. Guide roll apparatus for a dryer of a paper machine drying section. 4,882,854, 11-28-89, Cl. 34-115.000.
- Wedell, Mark C.: *See—*
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- Wedemeyer, Karlfried: *See—*
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  - Mais, Franz-Josef; Fiege, Helmut; Rohlk, Kai; and Wedemeyer, Karlfried, 4,851,596, Cl. 570-209.000.
- Wedeniwski, Horst J., to Fortuna-Werke Maschinenfabrik GmbH. Method of grinding two or more cams of a camshaft. 4,885,874, 12-12-89, Cl. 51-165.770.
- Weder, Donald E., to Highland Supply Corporation. Method of shaping and holding a sheet of material about a flower pot with a collar. 4,835,834, 6-6-89, Cl. 29-525.000.
- Weder, Donald E.; and Chi, Tsu T., to Seven W. Enterprises, Inc. Detection of antibodies against a chorionic gonadotropin-like substance. 4,876,192, 10-24-89, Cl. 435-21.000.
- Weder, Donald E.; and Weder, Erin H., to Highland Manufacturing and Sales Company. System for baling strands of material and a denser bale of strands of material so produced. 4,884,682, 12-5-89, Cl. 206-83.500.
- Weder, Erin H.: *See—*
  - Weder, Donald E.; and Weder, Erin H., 4,884,682, Cl. 206-83.500.
- Wedgwood, Janet E.; Berde, Dennis W.; Bocskor, Steven J.; and Cotter, George E., to Grumman Aerospace Corporation. Adaptive and programmable blanker. 4,856,079, 8-8-89, Cl. 455-50.000.
- Wedhorn, Norman G. Knock-down boom for pick-up truck. 4,872,581, 10-10-89, Cl. 212-180.000.
- Wedin, James A.: *See—*
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- Wedl, Peter: *See—*
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- Wedlake, Roger J.: *See—*
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- Wedler, Hartmut, to Siemens Aktiengesellschaft. Method and circuit arrangement for the transmission of data signals between subscriber stations of a data network. 4,802,189, 1-31-89, Cl. 375-37.000.
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- Wedman, Mike. Leg muscle exercise device and method. 4,861,023, 8-29-89, Cl. 272-120.000.
- Wedral, Elaine R.: *See—*
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Weinert, Herbert: *See—*
  Vanetta, Aldo; Burkhart, Helmut; and Weinert, Herbert, 4,870,934, Cl. 123-336.000.

Weinert, Raymond J., Jr.: *See—*
  Benton, Kenneth C.; Weinert, Raymond J., Jr.; and Ball, Lawrence E., 4,828,756, Cl. 252-518.000.

Weingart Oscar; Lunde, Gerald A.; and Taylor, Clark D., to Rohr Industries, Inc. Filament winding mechanism for forming and winding a shingled gap free band. 4,822,444, 4-18-89, Cl. 156-441.000.

Weingart, Oscar; Lunde, Gerald A.; and Taylor, Clark D., to Rohr Industries, Inc. Filament winding process. 4,869,761, 9-26-89, Cl. 156-175.000.

Weingart, Richard C., to United States of America, Energy. Electrical method and apparatus for impelling the extruded ejection of high-velocity material jets. 4,888,522, 12-19-89, Cl 315-111.610.

Weingart, Richard C.: *See—*
  Boberg, Ralph E.; Lee, Ronald S.; and Weingart, Richard C., 4,852,493, Cl. 102-202.500.

Weingart, Steve H., to International Business Machines Corporation. Tamper-resistant packaging for protection of information stored in electronic circuitry. 4,860,351, 8-22-89, Cl. 380-3.000.

Weingarten, Robert A.: *See—*
  Brice, Frank W., Jr.; and Weingarten, Robert A., 4,825,206, Cl. 340-825.020.

Weingarten, Zvi, to Bermad. Multi-position valve for backflushing filters. 4,862,914, 9-5-89, Cl. 137-544.000.

Weingartner, Karl-Heinz: *See—*
  Norz, Wolfgang; Rohr, Gunter; and Weingartner, Karl-Heinz, 4,850,293, Cl. 112-294.000.

Weingartner, Philip F.: *See—*
  Bosze, Wayne P.; Froebe, Ronald L.; McClure, Gordon; Thomas, Ronald E., Jr.; and Weingartner, Philip F., 4,824,694, Cl. 427-102.000.

Weinheimer, Hans-Richard: *See—*
  Kurbitz, Gunther; Simon, Karl-Heinz D.; and Weinheimer, Hans-Richard, 4,842,247, Cl. 250-342.000.

Weinhold, Friedrich: *See—*
  Federle, Hartmut; Meyer, Meinhard; Ulrich, Jorn; Walther, Friedrich; and Weinhold, Friedrich, 4,865,051, Cl. 131-84.100.
  Ulrich, Jorn; Weinhold, Friedrich; and Meyer, Meinhard, 4,811,744, Cl. 131-84.100.

Weinhold, Karl. Pipe screwed connection. 4,802,695, 2-7-89, Cl. 285-91.000.

Weinhold, Karl. Device for connecting a hose end to a connecting spigot. 4,872,711, 10-10-89, Cl. 285-88.000.

Weinhold, Wolfgang P. Blade, especially a rotor blade. 4,863,348, 9-5-89, Cl. 416-92.000.

Weinkle, Steven. Roller for making pizza shell. 4,815,859, 3-28-89, Cl. 366-69.000.

Weinle, Paul L.; and Hinshaw, Ivan E., to Collins & Aikman Corporation. Method of forming a ravel resistant warp knit elastic tape. 4,818,316, 4-4-89, Cl. 156-88.000.

Weinle, Paul L.; Smith, Vernon C.; Gardner, Christopher H.; Peoples, Clarence A., Jr.; and Pierce, Matthew R., to Collins & Aikman Corporation. Molded automobile headliner. 4,840,832, 6-20-89, Cl. 428-156.000.

Weinmaier, Josef: *See—*
  Rossberger, Erwin; Weinmaier, Josef; and Ailler, Nikolaus, 4,830,801, Cl. 264-102.000.

Weinman, Mary; and Spector, George. Angel doll having movable wings. 4,867,729, 9-19-89, Cl. 446-330.000.

Weinmann, Alfred; Steinegger, Josef; Scheucher, Peter; Konstantiniuk, Roland; Leutzendorff, Wolfgang; and Hermann, Hubert, to Maschinenfabrik Andritz Actiengesellschaft. Process and a plant for separating low density material from substrate mixtures. 4,849,116, 7-18-89, Cl. 210-770.000.

Weinmann, Hanns-Joachim: *See—*
  Gries, Heinz; Niedballa, Ulrich; and Weinmann, Hanns-Joachim, 4,845,090, Cl. 514-212.000.

Weinmann, Robert: *See—*
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Weinraub, Adam. Keyless door unlocking apparatus for automobiles. 4,836,061, 6-6-89, Cl. 81-15.900.

Weinreb, Daniel L.: *See—*
  Holloway, John T.; Moon, David A.; Cannon, Howard I.; Knight, Thomas F.; Edwards, Bruce E.; and Weinreb, Daniel L., 4,887,235, Cl. 364-900.000.

Weinreb, Robert: *See—*
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Weinreb, Robert L. Shoulder pad. 4,887,318, 12-19-89, Cl. 2-268.000.

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  Gopal, Gita; and Weinrib, Abel, 4,885,780, Cl. 379-221.000.

Weinrib, Harry P., to Eddy Pump Corporation. Eddy pump. 4,815,929, 3-28-89, Cl. 415-53.00R.

Weinrotter, Klaus; Jeszenszky, Thomas; Schmidt, Heinrich; Baumann, Siegfried; and Kalleitner, Johann, to Chemiefaser Lenzing Aktiengesellschaft. Non-flammable, high-temperature resistant polyimide fibers made by a dry spinning method. 4,801,502, 1-31-89, Cl. 428-397.000.

Weinrotter, Klaus: *See—*
  Harms, Haio; Schobesberger, Manfred; Sollradl, Herbert; and Weinrotter, Klaus, 4,871,500, Cl. 264-178.00R.

Weins, Janine J. Device for maintaining the chill on a bottle of wine. 4,870,837, 10-3-89, Cl. 62-457.400.

Weinschenk, Russell J.: *See—*
  Collins, Robert W.; Davidson, William S.; Dickes, Steven M.; Effle, James S.; Larson, Carle J.; Weinschenk, Russell J.; and Wottreng, Peter M., 4,847,749, Cl. 364-200.000.

Weinstein, Barry M., to Colgate-Palmolive Co. Process for manufacturing bentonite agglomerates. 4,851,137, 7-25-89, Cl. 252-8.600.

Weinstein, Bernard: *See—*
  Blackburn, Bruce N., 4,884,256, Cl. 368-223.000.

Weinstein, Bernard I.: *See—*
  Southren, Aaron L.; Weinstein, Bernard I.; and Gordon, Gary G., 4,863,912, Cl. 514-177.000.

Weinstein, Burton; and Kyriakos, Peter. Endotracheal tube holder. 4,832,019, 5-23-89, Cl. 128-207.170.

Weinstein, Jack, to Primary Delivery Systems, Inc. Metered dispensing cap for tubes. 4,875,603, 10-24-89, Cl. 222-205.000.

Weinstein, James N.: *See—*
  Park, Joon B.; Weinstein, James N.; and Goel, Vijay K., 4,836,196, Cl. 128-92.0YM.

Weinstein, Jerry: *See—*
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Weinstein, Jerry G.: *See—*
  Kanter, Robert C.; Rocazella, Michael A.; Weinstein, Jerry G.; and White, Danny R., 4,818,734, Cl. 501-128.000.

Weinstein, Leonard, to IKN Communications Inc. Assembly to demonstrate and teach the game of bridge. 4,822,282, 4-18-89, Cl. 434-129.000.

Weinstein, Leonard H.; and Galston, Arthur W., to Boyce Thompson Institute for Plant Research; and Yale University. Prevention of a plant disease by specific inhibition of fungal polyamine biosynthesis. 4,818,770, 4-4-89, Cl. 514-564.000.

Weinstein, Marshall: *See—*
  Bankier, Jack D.; and Weinstein, Marshall, 4,886,166, Cl. 206-387.000.

Weinstein, Michael E.: *See—*
  Teague, Randy; and Weinstein, Michael E., 4,825,177, Cl. 330-295.000.

Weinstein, Richard, to DeVilbiss Company, The. Air bearing rotary atomizer. 4,887,768, 12-19-89, Cl. 239-222.000.

Weinstein, Robert M., to Scientific Design Company, Inc. Process for preparing alkylene oxides from alkylene carbonates. 4,851,555, 7-25-89, Cl. 549-518.000.

Weinstein, Stephen B.: *See—*
  Feustel, Timothy C.; Glemboski, Mark A.; Ordun, Michael R.; Velius, George A.; and Weinstein, Stephen B., 4,827,518, Cl. 381-42.000.

Weinstock, Joseph: *See—*
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Weinstock, Leonard M.: *See—*
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  DeCamp, Ann E.; Weinstock, Leonard M.; and Verhoeven, Thomas R., 4,845,237, Cl. 549-214.000.
  Karady, Sandor; and Weinstock, Leonard M., 4,869,791, Cl. 204-72.000.

Weintraub, Morton: *See—*
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Weintraub, Yuri, to IPCO Corporation. Dental compositions comprising oligomer of hexahydrophtalic anhydride, glycidylmethacrylate and 2-hydroxyethyl-methacrylate. 4,831,066, 5-16-89, Cl. 523-116.000.

Weinzierl, Franz, to Wegmann & Co. GmbH, Firma. Incrementally tuned phase locked loop frequency synthesizer. 4,849,715, 7-18-89, Cl. 331-10.000.

Weinzierl, Manfred; and Zieran, Eberhard, to Agfa-Gevaert Aktiengesellschaft. Method and microfilm camera for detecting codes applied to original copies in the camera. 4,819,034, 4-4-89, Cl. 355-41.000.

Weir, Donald H.; and Robinson, Charles F., to Fox Pool Corporation. Swimming pool with improved wall strengthening means. 4,797,957, 1-17-89, Cl. 4-506.000.

Weir, Donald H., to Wexco Incorporated. Closure device for wall opening. 4,825,605, 5-2-89, Cl. 52-169.700.

Weir, Donald R.; Masters, Ian M.; and Doyle, Barry N., to Sherritt Gordon Mines Limited. Recovery of zinc from zinc-containing sulphidic material. 4,832,925, 5-23-89, Cl. 423-141.000.

Weir, Henry J. Stacking machine for fabric articles. 4,848,763, 7-18-89, Cl. 271-85.000.

Weir, Kenneth A., to General Electric Company. Reconfigurable, multiprocessor system with protected, multiple, memories. 4,814,982, 3-21-89, Cl. 364-200.000.

- Weir, Kenneth O.: *See—*
  - Plewright, William B.; Weir, Kenneth O.; and Patterson, Richard J., 4,839,933, Cl. 5-81.00R.
- Weir, Richard P.: *See—*
  - Menchetti, Robert J.; and Weir, Richard P., 4,837,988, Cl. 52-36.000.
  - Menchetti, Robert J.; Weir, Richard P.; and Chapman, Robert M., 4,843,784, Cl. 52-127.500.
- Weirich, Friedheim: *See—*
  - Henrich, Edmund; and Weirich, Friedheim, 4,844,715, Cl. 55-44.000.
- Weirich, John B.: *See—*
  - Donovan, Joseph F.; Spatz, Edward C.; Salerni, John V.; Peterson, Elmer R.; and Weirich, John B., 4,856,591, Cl. 166-278.000.
- Weirton Steel Corporation: *See—*
  - Bray, James A.; and Applegate, Robert L., 4,823,732, Cl. 118-622.000.
  - Bray, James A., 4,831,960, Cl. 118-317.000.
  - Saunders, William T., 4,804,106, Cl. 220-273.000.
  - Saunders, William T.; and Livingston, Warren D., 4,812,365, Cl. 428-469.000.
  - Saunders, William T.; and Bray, James A., 4,848,623, Cl. 220-273.000.
  - Saunders, William T., 4,863,060, Cl. 220-75.000.
  - Saunders, William T., 4,875,597, Cl. 220-458.000.
- Weis, Frank G., to Smith & Loveless, Inc. Apparatus for filtration of a suspension. 4,861,472, 8-29-89, Cl. 210-189.000.
- Weis, Gilbert: *See—*
  - Steinfort, Peter; and Weis, Gilbert, 4,850,869, Cl. 433-172.000.
- Weis, John W.: *See—*
  - Watson, Roger J.; Weis, John W.; and Enquist, Lynn W., 4,818,694, Cl. 435-68.000.
- Weisbart, Richard H., to University of California, The Regents of the. MAB-anti-DNA related to nephritis. 4,812,397, 3-14-89, Cl. 435-7.000.
- Weisberg, Kenneth. Gender-indicating colormetric test on pregnancy urine and test kit therefor. 4,840,914, 6-20-89, Cl. 436-183.000.
- Weisbrod, Kirk R.: *See—*
  - Loutfy, Raouf O.; and Weisbrod, Kirk R., 4,836,998, Cl. 423-460.000.
- Weisbuch, Claude: *See—*
  - Munier, Bernard; de Groot, Paul; Weisbuch, Claude; Moiroud, Guy; and Henry, Yves, 4,829,355, Cl. 357-30.000.
- Weisburn, James T.: *See—*
  - Hehn, Bruce A.; and Weisburn, James T., 4,834,238, Cl. 206-387.000.
  - Hehn, Bruce A.; Weisburn, James T.; Lewellen, Richard R.; and Geis, Mark W., 4,871,064, Cl. 206-387.000.
- Weischer, Carl H.: *See—*
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- Weischer, Maria-Luise: *See—*
  - Opitz, Klaus; Weischer, Maria-Luise; and Traber, Jorg, 4,871,738, Cl. 514-252.000.
- Weise, Armin: *See—*
  - Stein, Hans P.; Weise, Armin; and Will, Reinhold, 4,871,272, Cl. 400-583.000.
- Weise, Carlos, to Wacker-Chemie GmbH. Polydiorganosiloxanes which can be cured to form elastomeric foams. 4,871,781, 10-3-89, Cl. 521-88.000.
- Weise, Carlos: *See—*
  - Pradl, Ferdinand; Weise, Carlos; and Wegehaupt, Karl-Heinrich, 4,855,378, Cl. 528-26.000.
- Weise, Lutz, to Alfred Teves GmbH. Brake system with anti-lock control and traction slip control. 4,807,944, 2-28-89, Cl. 303-114.000.
- Weise, Lutz: *See—*
  - Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; and Beller, Hans-Albert, 4,804,236, Cl. 303-116.000.
  - Burgdorf, Jochen; Reinartz, Hans-Dieter; Weise, Lutz; Ocvirk, Norbert; Becker, Horst P.; and Determann, Otto, 4,840,436, Cl. 303-119.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst-Peter; and Determann, Otto, 4,818,038, Cl. 303-119.000.
  - Ocvirk, Norbert; and Weise, Lutz, 4,826,258, Cl. 303-119.000.
  - Ocvirk, Norbert; Weise, Lutz; Becker, Horst P.; and Determann, Otto, 4,828,338, Cl. 303-119.000.
  - Ocvirk, Norbert; and Weise, Lutz, 4,856,852, Cl. 303-114.000.
- Weise, Wayne A.: *See—*
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- Weise, Wolfgang; Wolmer, Roger; and Braumann, Peter, to Degussa Aktiengesellschaft. Silver-iron material for electrical contacts. 4,859,238, 8-22-89, Cl. 75-233.000.
- Weise, Wolfgang: *See—*
  - Boehm, Wolfgang; Hausselt, Juergen; Weise, Wolfgang; and Malikowsik, Willi, 4,797,328, Cl. 428-621.000.
- Weisel, Eric M.; and Schukei, Glen F., to Combustion Engineering, Inc. Bi-directional sealed nozzle dam. 4,860,919, 8-29-89, Cl. 220-240.000.
- Weisenberger, Johannes: *See—*
  - Heckel, Armin; Nickl, Josef; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,870,076, Cl. 514-252.000.
  - Nickl, Josef; Heckel, Armin; Muller, Erich; Narr, Berthold; Weisenberger, Johannes; Eisert, Wolfgang; and Muller, Thomas, 4,820,705, Cl. 514-247.000.
- Weisenberger, Wesley, to Ion Implant Services. Ion implantation apparatus. 4,831,270, 5-16-89, Cl. 250-492.200.
- Weisenburger, Lawrence P., to AMP Incorporated. Wire holders and harnesses incorporating wire holders. 4,797,112, 1-10-89, Cl. 439-55.000.
- Weisend, Norbert A., Jr.: *See—*
  - Adams, Lowell J.; Simshauser, Steven C.; Pisarski, Nathan; and Weisend, Norbert A., Jr., 4,875,644, Cl. 244-134.00R.
- Weisensee, Stephen E.: *See—*
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- Weiser, Harald: *See—*
  - Klaus, Michael; Loeliger, Peter; and Weiser, Harald, 4,816,476, Cl. 514-443.000.
- Weiser, Josef; and Lueneburger, Klaus, to Siemens Aktiengesellschaft. Electromagnetic relay. 4,827,234, 5-2-89, Cl. 335-270.000.
- Weiser, Murray; Silverman, William; Landau, Zvi; Finer, Paul; and Pincus, Cary I., to UPA Technology, Inc. X-ray fluorescence thickness measuring device. 4,860,329, 8-22-89, Cl. 378-50.000.
- Weiser, Wolfgang: *See—*
  - Morz, Gunter; Weiser, Wolfgang; Lenz, Sigmund; and Pivit, Erich, 4,810,979, Cl. 333-1.100.
- Weisert, Edward D.; Fischer, John R.; and McCauley, William L., to Ontario Technologies Corp. Superplastic forming diffusion bonding process. 4,882,823, 11-28-89, Cl. 29-6.100.
- Weisert, Willi; and Wetzel, Hugo, to Riwoplan Medizin-Technische Einrichtungsgesellschaft. Apparatus for the degasification of flushing water. 4,816,044, 3-28-89, Cl. 55-164.000.
- Weisgerber, David J.: *See—*
  - McCoy, Stephen A.; Weisgerber, David J.; and Ingle, Richard L., 4,806,632, Cl. 536-124.000.
  - McCoy, Stephen A.; Madison, Bryan L.; Self, Peter M.; and Weisgerber, David J., 4,822,875, Cl. 536-119.000.
- Weisgerber, Robert G. Frame assembly for a display item. 4,794,714, 1-3-89, Cl. 40-152.000.
- Weisgerber, Thomas W.; and Kruska, Joseph A., to General Motors Corporation. Steering gear. 4,850,606, 7-25-89, Cl. 280-96.000.
- Weishaupt, Kenneth R.: *See—*
  - Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R., 4,866,168, Cl. 540-145.000.
  - Dougherty, Thomas J.; Potter, William R.; and Weishaupt, Kenneth R., 4,889,129, Cl. 128-664.000.
- Weishaupt, Walter; and Mehnert, Walter, to Bayerische Motoren Werke Aktiengesellschaft. Arrangement for the recognition of obstacles for motor vehicles. 4,818,887, 4-4-89, Cl. 250-561.000.
- Weiskel, Lillith, Legal Representative: *See—*
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- Weiskittle, Ronald R.: *See—*
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- Weiskopf, Francis B., Jr.: *See—*
  - Makofski, Robert A.; Massey, Joe T.; Mark, F. Fausten; Weiskopf, Francis B., Jr.; Guier, William H.; Walsh, Patrick C.; and Marshall, Fray F., 4,821,729, Cl. 128-660.030.
- Weisler, Richard. Systemic insect repellent composition and method. 4,876,090, 10-24-89, Cl. 424-195.100.
- Weisman, Arnold M., to Calmark Corporation. Retainer for electronic modules. 4,819,713, 4-11-89, Cl. 165-1.000.
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- Weisman, Paul T.; and Daugherty, Thomas H., to Procter & Gamble Company, The. Composite absorbent structures and absorbent articles containing such structures. 4,865,596, 9-12-89, Cl. 604-368.000.
- Weisman, Richard L. Advertising sign. 4,809,454, 3-7-89, Cl. 40-611.000.
- Weismann, Peter H. Control mechanism for selective engagement of a free wheeling engagement mechanism. 4,817,451, 4-4-89, Cl. 74-333.000.
- Weismuller, Thomas P.: *See—*
  - La Chapelle, Theodore J., Jr.; and Weismuller, Thomas P., 4,828,648, Cl. 156-605.000.
- Weisner, Kent A.; and Walls, Lester L., Jr., to Henergy Enterprises Limited Partnership. Glass glazed standing seam skylight. 4,848,051, 7-18-89, Cl. 52-200.000.
- Weisner, Kent A.; and Walls, Lester L., Jr., to Kenergy Enterprises Limited Partnership. Standing seam roof skylight systems. 4,860,511, 8-29-89, Cl. 52-200.000.
- Weisner, Ralph M.: *See—*
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- Weisrock, Reinhard: *See—*
  - Wiesenberger, Alfred; Marr, Rolf; Kolb, Erich; Schildmann, Jens A.; and Weisrock, Reinhard, 4,867,997, Cl. 426-387.000.
- Weiss, Aby, to Mannesmann AG. Overburden excavator. 4,848,844, 7-18-89, Cl. 299-55.000.
- Weiss, Adrian U., to Magnetic-Elektromotoren GmbH. Apparatus for moving pivotable gates and the like. 4,848,175, 7-18-89, Cl. 74-96.000.
- Weiss, Alfred: *See—*
  - Schneider, Friedhelm; and Weiss, Alfred. 4,865,229, Cl. 222-325.000.
- Weiss, Anna-Maria; and Smolik, Klaus, to Helsa-Werke Helmut Sandler GmbH & Co. KG. Protective breathing mask. 4,883,052, 11-28-89, Cl. 128-205.270.
- Weiss, Arno: *See—*
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- Weiss, Bruce W.; and Dickey, Alan, to American Standard Inc. Pressure actuated baffle seal. 4,834,173, 5-30-89, Cl. 165-159.000.
- Weiss, Craig R. Tennis ball containment apparatus. 4,834,377, 5-30-89, Cl. 273-29.00A.
- Weiss, David A. Floral container. 4,830,912, 5-16-89, Cl. 428-23.000.
- Weiss, David S.: *See—*
  - Staudenmayer, William J.; Weiss, David S.; and Pavlisko, Joseph A., 4,840,860, Cl. 430-59.000.
  - Staudenmayer, William J.; Weiss, David S.; and Pavlisko, Joseph A., 4,840,861, Cl. 430-59.000.
- Weiss, Donald: *See—*
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- Weiss, Douglas: *See—*
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- Weiss, Eberhard; Stahl, Manfred; Domann, Helmut; Jung, Erich; and Maurer, Franz, to Robert Bosch GmbH. Method and system for electrically controlling braking of a vehicle. 4,805,105, 2-14-89, Cl. 364-424.020.
- Weiss, Edgar: *See—*
  - Stoll, Werner; and Weiss, Edgar, 4,805,724, Cl. 181-290.000.
- Weiss, Edward J.: *See—*
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  - Jolidon, Synese; Locher, Rita; Kompis, Ivan; Weiss, Ekkehard; and Wyss, Pierre-Charles, 4,806,541, Cl. 514-254.000.
  - Klaus, Michael; Loeliger, Peter; Mohr, Peter; and Weiss, Ekkehard, 4,870,219, Cl. 570-189.000.
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- Weiss, Elmar: *See—*
  - Shaw, Steven; and Weiss, Elmar, 4,875,556, Cl. 188-72.400.
- Weiss, Erich: *See—*
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- Weiss, Erwin, to Hoechst Aktiengesellschaft. Process for the preparation of tertiary phosphine oxides. 4,806,691, 2-21-89, Cl. 568-14.000.
- Weiss, Erwin; and Kleiner, Hans-Jerg, to Hoechst Aktiengesellschaft. Process for the preparation of bifunctional tertiary aromatic phosphine sulfides, and also several specific representatives of this class of compounds. 4,847,419, 7-11-89, Cl. 568-14.000.
- Weiss, Erwin: *See—*
  - Kleiner, Hans-Jerg; and Weiss, Erwin, 4,816,605, Cl. 568-14.000.
- Weiss, Erwin W., to Beltone Electronics Corporation. Ear wax barrier for a hearing aid. 4,870,689, 9-26-89, Cl. 381-68.600.
- Weiss, Franz-Josef: *See—*
  - Fuchs, Hugo; and Weiss, Franz-Josef, 4,837,362, Cl. 562-606.000.
  - Fuchs, Hugo; Ritz, Josef; Thomas, Erwin; and Weiss, Franz-Josef, 4,889,704, Cl. 423-387.000.
- Weiss, Gerhard: *See—*
  - Fleet, Russell W.; Long, David C.; Str[illegible]ms, Karl F.; and Weiss, Gerhard, 4,821,614, Cl. 83-100.000.
  - Franzen, Jochen; Gabling, Reemt-Holger; H[illegible]en, Gerhard; and Weiss, Gerhard, 4,882,484, Cl. 250-282.000.
- Weiss, Gordon E., to Fulton Manufacturing Corporation. Boat motor support. 4,828,186, 5-9-89, Cl. 248-640.000.
- Weiss, Hans; Fissmann, Hans-Joachim; and Ruff, Hans-Albrecht, to J. M. Voith GmbH. Clamping head for winding cores. 4,795,106, 1-3-89, Cl. 242-72.00R.
- Weiss, Hans: *See—*
  - Fissmann, Hans-Joachim; and Weiss, Hans, 4,809,922, Cl. 242-68.300.
  - Sollinger, Hans-Peter; Meinecke, Albrecht; Weiss, Hans; and Beisswanger, Rudolf, 4,880,671, Cl. 427-356.000.
- Weiss, Hans-Jurgen: *See—*
  - Rammler, Roland; Weiss, Hans-Jurgen; Herbertz, Hans-Adolf; Solari, Rodolfo B.; and Hidalgo, Rafael, 4,859,284, Cl. 201-12.000.
- Weiss, Hans-Peter: *See—*
  - Plachetta, Christoph; McKee, Graham E.; and Weiss, Hans-Peter, 4,877,823, Cl. 524-80.000.
- Weiss, Harald, to BICC-VERO Electronics GmbH. Enclosure forming housing rear wall for receiving electrical assemblies. 4,864,468, 9-5-89, Cl. 361-384.000.
- Weiss, Hardy P. Axial gas laser and process for stabilizing its operation. 4,856,007, 8-8-89, Cl. 372-29.000.
- Weiss, Hardy P., to Lehmann, Martin. Method and apparatus for a non-contact measuring of a temperature of a body. 4,887,229, 12-12-89, Cl. 364-557.000.
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- Weiss, Herbert D.; and Reynolds, Robert G., to Balchem Corporation. Method of acidulating a comminuted meat product. 4,803,092, 2-7-89, Cl. 426-646.000.
- Weiss, Herbert W., to General Electric Company. Method and apparatus for controlling an alternating current motor particularly at low speeds. 4,873,478, 10-10-89, Cl. 318-779.000.
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- Weiss, Ira. Resettable reusable time temperature recording thermometer. 4,844,622, 7-4-89, Cl. 374-102.000.
- Weiss, Irving: *See—*
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- Weiss, Jeffrey N. Apparatus for the detection of diabetes and other abnormalities affecting the lens of the eye. 4,883,351, 11-28-89, Cl. 351-221.000.
- Weiss, Johannes S.: *See—*
  - Graves, Alan F.; Littlewood, Paul A.; and Weiss, Johannes S., 4,876,682, Cl. 370-66.000.
- Weiss, Johannes-Ulrich: *See—*
  - Zilges, Franz-Josef; and Weiss, Johannes-Ulrich, 4,809,531, Cl. 72-273.500.
- Weiss, John W., to Minnesota Mining and Manufacturing Company. Adjustable, conductive body strap. 4,816,964, 3-28-89, Cl. 361-220.000.
- Weiss, John W., to Minnesota Mining and Manufacturing Company. Adjustable, conductive body strap. 4,845,585, 7-4-89, Cl. 361-220.000.
- Weiss, Karl: *See—*
  - Rettig, Helmut; Weiss, Karl; and Buss, Erich, 4,815,187, Cl. 29-235.000.
- Weiss, Kenneth. Computing and indicating device. 4,856,062, 8-8-89, Cl. 380-23.000.
- Weiss, Kenneth P. Method and apparatus for synchronizing generation of separate, free running, time dependent equipment. 4,885,778, 12-5-89, Cl. 380-48.000.
- Weiss, Kurt A., to General Electric Company. Impact modified polyphenylene ether interpolymer resins. 4,816,51[illegible], 3-28-89, Cl. 525-68.000.
- Weiss, Lee E.: *See—*
  - Sanderson, Arthur C.; Weiss, Lee E.; and Nayar, Shree K., 4,876,455, Cl. 250-560.000.
- Weiss, Lewis R.: *See—*
  - Reid, Steven J.; Weiss, Lewis R.; and Riley, Bryan R., 4,869,636, Cl. 414-331.000.
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  - Cook, John M.; and Weiss, Lon L., 4,817,868, Cl. 239-55.000.
- Weiss, Manfred. Apparatus for decreasing the alcohol content of alcohol-containing beverages, particularly wine and sparkling wine. 4,812,232, 3-14-89, Cl. 210-181.000.
- Weiss, Martin J.: *See—*
  - Meyer, Harry M., Jr.; and Weiss, Martin J., 4,861,579, Cl. 424-1.100.
- Weiss, Paul I.; and Guest, Weldon S. Extracorporeal circulation apparatus. 4,828,543, 5-9-89, Cl. 604-4.000.
- Weiss, Robert F. Foot support for optimum recovery. 4,813,159, 3-21-89, Cl. 36-43.000.
- Weiss, Robert L.; Jentes, Charles; and Crowell, Richard J., to Wooster Brush Company, The. Merchandising system for paint brushes and the like. 4,798,297, 1-17-89, Cl. 211-65.000.
- Weiss, Ronald D., to Weiss, Ronald D.; and Alter, Frederick J. Electric ring cutter. 4,864,730, 9-12-89, Cl. 30-378.000.
- Weiss, Ronald J.: *See—*
  - Holland, John W.; and Weiss, Ronald J., 4,852,964, Cl. 350-96.230.
- Weiss, Ronald R., to Gold Medal Products Co. Cotton candy machine. 4,872,821, 10-10-89, Cl. 425-9.000.
- Weiss, Rudolf, to Atec-Weiss KG. Flexible all-steel shaft coupling. 4,846,761, 7-11-89, Cl. 464-69.000.
- Weiss, Shimon: *See—*
  - Fischer, Baruch; Sternklar, Shmuel; and Weiss, Shimon, 4,869,579, Cl. 350-354.000.
- Weiss, Sol. Tube insertion apparatus. 4,880,412, 11-14-89, Cl. 604-165.000.
- Weiss, Stefan: *See—*
  - Schuster, Ludwig; Hettche, Albert; Liedy, Werner; Weiss, Stefan; and Ehemann, Leo, 4,889,897, Cl. 525-388.000.
- Weiss, Steven: *See—*
  - Ma, John Y.; McCracken, David H.; Weiss, Steven; and Houston, Albert C., III, 4,801,940, Cl. 342-359.000.
- Weiss, Ulrich: *See—*
  - Boertzel, Martin; Ludwig, Reinhold; Schmits, Wilhelm; and Weiss, Ulrich, 4,855,858, Cl. 361-18.000.
- Weiss, Wolfgang: *See—*
  - Orth, Winfried; Weiss, Wolfgang; and Kleffner, Hans W., 4,865,620, Cl. 8-420.000.
- Weissbach, Herbert: *See—*
  - Brot, Nathan; Elkon, Keith; Skelly, Susan M.; and Weissbach, Herbert, 4,865,970, Cl. 435-7.000.
- Weissberg, Alan B.: *See—*
  - Hayes, Deborah E.; Weissberg, Alan B.; Friedlander, Charles B.; and Ryan, Edward T., 4,880,668, Cl. 427-162.000.
- Weissbuch, Isabelle: *See—*
  - Zbaida, David; Shavit, Edna; Addadi, Lia; Lahav, Meir; and Weissbuch, Isabelle, 4,864,031, Cl. 548-344.000.
- Weissen, Hans-Joachim: *See—*
  - Schurmann, Horst; Weissen, Hans-Joachim; and Schloter, Klaus, 4,839,415, Cl. 524-549.000.
- Weissenbach, Albertus; Schaumann, Gerd; and Wanner, Wolfgang H., to Zumtobel GmbH & Co. Workstation arrangement for laboratories, production facilities and the like. 4,863,223, 9-5-89, Cl. 312-209.000.
- Weissenberger, Helmuth; and Schraut, Alfred, to Fichtel & Sachs AG. Torsional vibration damper having springs with progressive characteristics. 4,810,231, 3-7-89, Cl. 464-68.000.

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Weisser, Harald: *See—*

Bertiller, Roland; Maier, Roland; and Weisser, Harald, 4,872,390, Cl. 89-29.000.

Reuter, Ingolf; Hoffmann, Dietrich; and Weisser, Harald, 4,882,974, Cl. 89-41.160.

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Zimmermann, Gunther; Friedrich, Reinhard; Nantt, Wolfgang; and Weissert, Wolfgang, 4,872,587, Cl. 220-375.000.

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Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, 4,874,544, Cl. 252-299.610.

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Weisshaupt, Bruno, to Baumer Electric AG. Process for the non-contacting detection of eddy current-induced bodies, particularly metal objects, as well as to sensors based on the process. 4,843,259, 6-27-89, Cl. 307-308.000.

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Lashmore, David S.; Weisshaus, Ilan; and NamGoong, Eok, 4,804,446, Cl. 204-51.000.

Weisshuhn, Elmer; Bubik, Alfred; Dahl, Hans; Holik, Herbert; Kurtz, Rudiger; Zembrot, Anton; Stotz, Wolf-Gunter; Seider, Werner; and Trondle, Robert, to Sulzer-Escher WYSS GmbH. Method of operating a headbox apparatus for a papermaking machine. 4,888,094, 12-19-89, Cl. 162-198.000.

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Claussen, Nils; Petzow, Gunter; Nieszery, Katharina; Panhorst, Wolfgang; and Weisskopf, Karl-Ludwig, 4,855,259, Cl. 501-9.000.

Weissman, Adrian M., to MagnaTek Universal Manufacturing. Electrical coil with tap transferring to end-layer position. 4,808,959, 2-28-89, Cl. 336-189.000.

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Kramer, Wolfgang; Weissmuller, Joachim; Berg, Dieter; and Dutzmann, Stefan, 4,851,405, Cl. 514-212.000.

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Weisz, Hans: *See—*

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Weithmann, Klaus U.; and Seiffge, Dirk, to Hoechst Aktiengesellschaft. Dispensing packs containing pharmaceutical combinations for sequential administration. 4,850,489, 7-25-89, Cl. 206-530.000.

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Weitkamp, Jens; Neuber, Marita; Holtmann, Wilhelm; Collin, Gerd; and Spengler, Hans, to Rutgerswerke Aktiengesellschaft. Preparation of 2,6-dialkyl-naphthalenes. 4,795,847, 1-3-89, Cl. 585-467.000.

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Welander, Bo C.; Ohlin, Tommy C. K.; and Jarvis, Ronald P., to Eka Nobel AB. Process for the production of alkali metal chlorate. 4,888,099, 12-19-89, Cl. 204-95.000.

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Welborn, Howard C., Jr., to Exxon Chemical Patents Inc. Supported polymerization catalyst. 4,808,561, 2-28-89, Cl. 502-104.000.

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Welbourn, Anthony D.; and Heslop, Christopher J. H., to British Telecommunications Public Limited Company. Self-aligned bipolar fabrication process. 4,801,556, 1-31-89, Cl. 437-32.000.

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Danna, Dominick A.; Salvati, Jon; and Ciarlei, Joseph A., 4,853,774, Cl. 358-98.000.

English, Stanley R.; and Danna, Dominick, 4,862,253, Cl. 358-42.000.

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Wawro, Thaddeus J.; English, Stanley R.; and Danna, Dominick, 4,887,154, Cl. 358-98.000.

Welch, Barry P. Dish drainer platform. 4,854,537, 8-8-89, Cl 248-346.000.

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Welch, Cletus N., to PPG Industries, Inc. Photochromic plastic article and method for preparing same. 4,880,667, 11-14-89, Cl. 427-160.000.

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Welch, Donald G.; and Barton, Randall N. Adjustable sawhorse and scaffold. 4,877,109, 10-31-89, Cl. 182-183.000.

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Welch, Gary E.; Appel, Marvin R.; and Bittle, Jerry R., to Conoco Inc. Method and apparatus for measuring crystal formation. 4,886,354, 12-12-89, Cl. 356-70.000.

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Welch, Kathleen, to Sherwood Medical Company. Female incontinence device having improved rim structure. 4,846,819, 7-11-89, Cl. 604-329.000.

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Cance, William G.; Davie, Joseph M.; Wells, Samuel A., Jr.; Dilley, William G., Welch, Michael J.; and Morrissey, Jeremiah J., IV, 4,864,020, Cl. 530-387.000.

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Welch, Raymond M. Fishing lure. 4,862,630, 9-5-89, Cl. 43-42.260.

Welch, Richard C., to Sundstrand Corporation. Fill valve for liquid containing device. 4,883,148, 11-28-89, Cl. 184-6.400.

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Welch, Robert F., to Zebco Corporation. Friction drive for line guide on bait cast reel. 4,807,827, 2-28-89, Cl. 242-84.420.

Welch, Robert J.; Kolvites, Albert; and White, Robert M., to Inter-Metro Industries Corporation. Caster direction-locking mechanism for mobile cart. 4,875,696, 10-24-89, Cl. 280-4[illegible].

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Coleman, Jack E., 4,805,952, Cl. 296-65.100.

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Felix, Michael C.; Taylor, Nicola S.; and Hardy, Colin C., 4,871,412, Cl. 156-273.900.

King, Clive G.; Padilla, John A.; and Sproulle, Richard J., 4,811,887, Cl. 228-2.000.

Sanderson, Allan, 4,829,550, Cl. 378-59.000.

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Welding Services, Inc.: *See—*

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Zowarka, Raymond C.; Weeks, Damon A.; Weldon, William F.; Gully, John H.; Upshaw, Jim L.; Spann, Mike L.; and Peterson, Dennis R., 4,884,489, Cl. 89-8.000.

Welford, David: *See—*
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Welford, Walter T.: *See—*
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Welge, Frederick T.: *See—*
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Welgro B.V.: *See—*
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Welin-Berger, Guy. Self-centering steady rest. 4,823,657, 4-25-89, Cl. 82-162.000.

Welker, Albert L.: *See—*
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Welker, Brian H., to Welker Engineering Company. Purge valve. 4,882,939, 11-28-89, Cl. 73-864.030.

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Welker, Robert H.; and Smith, Ken, 4,850,669, Cl. 350-96.200.

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Grinberg, Jan; Koda, Nubuo J.; Reif, Philip G.; Bleha, William P.; Welkowsky, Murray S.; and Ledebuhr, Arno G., 4,826,293, Cl. 350-331.00R.
Little, Michael J.; Efron, Uzi; Braatz, Paul O.; Schwartz, Robert N.; Owechko, Yuri; and Welkowsky, Murray S., 4,807,976, Cl. 350-355.000.

Wella Aktiengesellschaft: *See—*
Braehler, Manfred; Rousek, Heinz; and Noll, Erwin, 4,817,903, Cl. 248-419.000.
Clausen, Thomas; and Konrad, Eugen, 4,797,130, Cl. 8-421.000.
Clausen, Thomas; and Konrad, Eugen, 4,854,935, Cl. 8-408.000.
Greiche, Joussef; Hartmann, Peter; and Kohler, Joachim, 4,859,459, Cl. 424-71.000.
Gross, Paul; and Wiegand, Udo, 4,865,838, Cl. 424-47.000.
Harefeld, Wolfgang; Rothlisberger, Rudi; and Noser, Friedrich, 4,883,652, Cl. 424-59.000.
Hartmann, Peter; and Kohler, Joachim, 4,844,886, Cl. 424-62.000.
Hildebrandt, Bodo, 4,860,391, Cl. 4-518.000.
Hildebrandt, Bodo; and Steigerwald, Franz, 4,875,577, Cl. 206-219.000.
Husemeyer, Hans; Mager, Herbert; and Konrad, Eugen, 4,840,639, Cl. 8-410.000.
Konrad, Eugen; Clausen, Thomas; Braun, Hans-Jurgen; and Mager, Herbert, 4,835,314, Cl. 564-441.000.
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Konrad, Eugen; Mager, Herbert; and Hoch, Dietrich, 4,855,130, Cl. 424-70.000.
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Lamboy, Peter; Steigerwald, Franz; Zulauf, Karlheinz; and Ginnow-Markert, Harmut, 4,877,065, Cl. 141-18.000.
Lang, Gunther; Wendel, Harald; and Konrad, Eugen, 4,822,598, Cl. 424-47.000.
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Welland, David R.; and Kerth, Donald A., to Crystal Semiconductor Corporation. Method and circuitry for generating reference voltages. 4,804,863, 2-14-89, Cl. 307-227.000.

Wellar, Mark E.: *See—*
Cerdan-Diaz, Juan M.; Sanders, Michael J.; and Wellar, Mark E., 4,822,679, Cl. 428-392.000.

Wellard, Ronald G.: *See—*
Busche, Alan C.; Talacek, Josef; and Wellard, Ronald G., 4,796,288, Cl. 379-433.000.

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Wellcome Australia Limited: *See—*
Ardley, John H.; Smith, Brett A.; and Nicholls, Alison W., 4,797,301, Cl. 427-8.000.

Wellens, Ulrich: *See—*
Vary, Peter; and Wellens, Ulrich, 4,868,810, Cl. 370-40.000.

Wellenstein, Neil N.: *See—*
Marry, Patrick J.; Wilson, Gregory P.; Houghton, Michael W.; and Wellenstein, Neil N., 4,827,507, Cl. 380-38.000.

Weller, Frank: *See—*
Bowman, Ronald R.; Sodal, Ingvar E.; Wilke, Thomas A.; and Weller, Frank, 4,859,848, Cl. 250-296.000.

Weller, Harold N., III; and Gordon, Eric M., to E. R. Squibb & Sons, Inc. Ureidoalkanoylaminocarbonyl amino and imino acids and esters. 4,810,791, 3-7-89, Cl. 546-205.000.

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Weller, Harold N., III: *See—*
Ryono, Denis E.; and Weller, Harold N., III, 4,885,292, Cl. 514-211.000.

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Weller, Jeanne M., to Sterling Drug Inc. Carpet freshening and deodorizing composition. 4,873,000, 10-10-89, Cl. 252-8.600.

Weller, Jeanne M.: *See—*
Harrison, Kenneth A.; and Weller, Jeanne M., 4,810,409, Cl. 252-102.000.

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Weller, Karl-Heinz: *See—*
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Weller, Michael E.; and Daghe, Joseph L., to Mueller Company. Method of installing a stopper in a fitting and apparatus therefor. 4,883,085, 11-28-89, Cl. 137-315.000.

Weller, Raymond N. Intermodal caged flatbed for efficient containerized cargo handling. 4,875,814, 10-24-89, Cl. 410-66.000.

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Welles, Kenneth B., II; Noujaim, Sharbel E.; Vogelsong, Thomas L.; and Karr, Steven G., to General Electric Company. Architecture for ultrasonic imaging. 4,796,236, 1-3-89, Cl. 367-7.000.

Welles, Kenneth B., II: *See—*
Eichelberger, Charles W.; Wojnarowski, Robert J.; and Welles, Kenneth B., II, 4,835,704, Cl. 364-490.000.
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Welles, Petrus W. G.; and Steenhof, Frits A., to U.S. Philips Corporation. Field number doubling circuit for a television signal. 4,851,908, 7-25-89, Cl. 358-140.000.

Welles, Theodore W., to Moser Bag and Paper Company, The. Microwave package with pinhole vents. 4,861,957, 8-29-89, Cl. 219-10.55E.

Welles, Toby S.: *See—*
Herr, Arthur; Welles, Toby S.; and Johnson, Robert W., 4,881,640, Cl. 206-313.000.

Wellhoffer, Peter D.: *See—*
Boryta, Daniel A.; and Wellhoffer, Peter D., 4,867,956, Cl. 423-281.000.

Wellinga, Kobus; and Mulder, Rudolf, to Duphar International Research B.V. Insecticidal ureas and thioureas. 4,833,151, 5-23-89, Cl. 514-344.000.

Wellinga, Kobus; and Eussen, Jacobus H. H., to Duphar International Research B.V. Substituted 2-phenylimino-oxazolidine compounds having herbicidal activity. 4,854,961, 8-8-89, Cl. 71-88.000.

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Wellinghoff, Stephen T.; and Owen, Thomas E., to Southwest Research Institute. Method and apparatus for producing monosize ceramic particles. 4,801,411, 1-31-89, Cl. 264-7.000.

Wellinghoff, Stephen T.; Schwab, Stuart T.; and Herrera, Carlos D., to Southwest Research Institute. Method for producing monosized ceramic particle through organometallic swollen latex particles. 4,849,140, 7-18-89, Cl. 264-9.000.

Wellington, Robert; and Bell, Louis, to Rio Grande-Albuquerque, Inc. Reciprocatory machine tool. 4,825,741, 5-2-89, Cl. 83-748.000.

Wellington, Scott L.: *See—*
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Vinegar, Harold J.; Wellington, Scott L.; and de Waal, Jannetje A., 4,856,341, Cl. 73-798.000.
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Wellink, Theodorus A., to Welgro B.V. Vehicle for bulk transport of powder-form, granular or pellet-like material. 4,884,923, 12-5-89, Cl. 406-41.000.

Wellman, Clarke T.: *See—*
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Wellman, Edward F.; and Michaels, Francis J. Golf club swing improvement apparatus. 4,875,683, 10-24-89, Cl. 273-187.00B.

Wellman, Stanley P., to Deere & Company. Dwell-effecting twine arm drive link. 4,800,811, 1-31-89, Cl. 100-5.000

Wellman, Stanley P., to Deere & Company. Arrangement using mower-conditioner header float springs to bias conditioner roll. 4,843,804, 7-4-89, Cl. 56-16.400.

Wellman, William E.: *See—*
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Wellman, William H., to Santa Barbara Research Center. Uncooled reflective shield for cryogenically-cooled radiation detectors. 4,820,923, 4-11-89, Cl. 250-352.000.

Wellman, William H.; and Stannard, John E., to Santa Barbara Research Center. Method and apparatus for testing infrared detectors. 4,885,463, 12-5-89, Cl. 250-252.100.

Wellner, Eckhard: *See—*
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Buysch, Hans-Josef; Wellner, Wolfgang; and Gruber, Hermann, 4,816,576, Cl. 544-398.000.

Wells, Alan H.; and Thompson, Thomas C., to Nuclear Assurance Corporation. Spent nuclear fuel shipping basket and cask. 4,827,139, 5-2-89, Cl. 250-507.100.

Wells, Charles A., to Critikon, Inc. Communications protocol for distributed station network. 4,807,223, 2-21-89, Cl. 370-85.000.

Wells, Charles H., to Cadtrak Corporation. Graphics display system with arbitrary overlapping viewports. 4,812,834, 3-14-89, Cl. 340-721.000.

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Wells, David F. Window assembly for segmented structure. 4,856,575, 8-15-89, Cl. 160-353.000.

Wells, David L., to Stewart & Stevenson Services, Inc. Vehicle steering systems. 4,878,556, 11-7-89, Cl. 180-140.000.

Wells, Dennis L., to United States of America, National Aeronautics and Space Administration. Nozzle fabrication technique. 4,852,232, 8-1-89, Cl. 29-157.00C.

Wells, Donald H. High impedance, base loaded, whip antenna. 4,829,311, 5-9-89, Cl. 343-749.000.

Wells Electronics, Inc.: *See—*
Carter, Clyde T., 4,836,798, Cl. 439-268.000.

Wells, Eugene M.; and Thompson, Keith. Orientation and storage apparatus for remote control unit. 4,852,746, 8-1-89, Cl. 211-13.000.

Wells, Francis E., Sr.; and Spector, George. Super kooler. 4,878,363, 11-7-89, Cl. 62-400.000.

Wells-Gardner Electronics Corporation: *See—*
Griffin, James L., 4,820,030, Cl. 350-434.000.
Griffin, James L., 4,820,050, Cl. 356-375.000.

Wells, Gary G.; and Crook, Kenneth L., to John D. Hollingsworth On Wheels, Inc. Nonwoven oil absorbing material and method. 4,832,852, 5-23-89, Cl. 210-671.000.

Wells, George H., Jr.: *See—*
Wiker, Gordon A.; and Wells, George H., Jr., 4,829,899, Cl. 102-206.000.

Wells, J. Morgan, to United States of America, Commerce. Continuous nitrox mixer. 4,860,803, 8-29-89, Cl. 141-9.000.

Wells, James I.: *See—*
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Wells, John N.; and Thomas, Neil E., to Marconi Instruments Limited. Phase comparators. 4,851,784, 7-25-89, Cl. 328-133.000.

Wells, John R.: *See—*
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Wells, Johnny R.: *See—*
Crump, J. Bradley; Wells, Johnny R.; and Naegele, Phillip N., 4,850,392, Cl. 137-513.000.

Wells, Joseph A., Jr. Rotatable bridle storage device for horse trailers. 4,809,644, 3-7-89, Cl. 119-117.000.

Wells, Kelley J.; and Graham, Everett F. Gas oven. 4,884,552, 12-5-89, Cl. 126-19.00R.

Wells, Kenneth A. Retractable guard for vehicles. 4,825,192, 4-25-89, Cl. 340-433.000.

Wells, Larry G.: *See—*
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Wells, Lisa D., to Spectranetics Corporation. Rotating fiberoptic laser catheter assembly with eccentric lumen. 4,844,062, 7-4-89, Cl. 128-303.100.

Wells, Marvin D.: *See—*
Gardner, Robert C.; Horn, William F.; Rhoades, Mark K.; Wells, Marvin D.; and Yockey, Steve J., 4,828,184, Cl. 239-590.300.

Wells, Michael: *See—*
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Wells, Nicholas D.; Knee, Michael J.; and Sandbank, Charles P., to British Broadcasting Corporation. Method of coding a video signal for transmission in a restricted bandwidth. 4,862,264, 8-29-89, Cl. 358-138.000.

Wells, Nicholas S.: *See—*
Pettman, Roger B.; and Wells, Nicholas S., 4,798,845, Cl. 514-400.000.

Wells, Richard R. L.: *See—*
deGraft-Johnson, Joseph; Ma, Chi; and Wells, Richard R. L., 4,869,991, Cl. 430-115.000.

Wells, Robert A. Reclosable self-opening can end. 4,821,912, 4-18-89, Cl. 220-231.000.

Wells, Robert A. Reclosable self-opening can end. 4,865,215, 9-12-89, Cl. 220-269.000.

Wells, Robert A. Reclosable self-opening can end. 4,877,129, 10-31-89, Cl. 220-269.000.

Wells, Robert A. Reclosable self-opening can end. 4,880,137, 11-14-89, Cl. 220-269.000.

Wells, Robert A. Reclosable self-opening can end. 4,887,712, 12-19-89, Cl. 206-269.000.

Wells, Robert J.: *See—*
Duke, Colin C.; and Wells, Robert J., 4,855,446, Cl. 548-444.000.

Wells, Robert R.; Van Noy, John R.; and Bachmann, John H., Jr., to Ward Machinery Company, The. Dual feeding of sheets of processing machinery. 4,867,433, 9-19-89, Cl. 271-35.000.

Wells, Robert R. Recreational vehicle. 4,886,283, 12-12-89, Cl. 280-14.100.

Wells, Robert R.: *See—*
Harrison, John R.; Lehr, Gary L.; Parr, Dennis J.; Ward, William F., Jr.; and Wells, Robert R., 4,878,407, Cl. 83-13.000.

Wells, Samuel A., Jr.: *See—*
Cance, William G.; Davie, Joseph M.; Wells, Samuel A., Jr.; Dilley, William G.; Welch, Michael J.; and Morrissey, Jeremiah J., IV, 4,864,020, Cl. 530-387.000.

Wells, Samuel L., to S&ME, Incorporated. Pressure extraction pump system for recovering liquid hydrocarbons from ground water. 4,826,406, 5-2-89, Cl. 417-120.000.

Wells, Samuel L., to S&ME, Incorporated. Vacuum extraction system. 4,844,797, 7-4-89, Cl. 210-104.000.

Wells, Thomas B.: *See—*
Harms, Frank M.; Tripp, Victor; and Wells, Thomas B., 4,874,915, Cl. 219-10.55F.

Wells, Thomas J., to Leggett & Platt, Incorporated. Bedding foundation having snap-in place formed wire springs. 4,862,531, 9-5-89, Cl. 5-247.000.

Wells, Thomas J.; Serafini, Angelo; Hiatt, Sidney A.; and Zapletal, Henry, to Leggett & Platt, Incorporated. Bedding foundation having snap-in place sinuous wire springs. 4,862,532, 9-5-89, Cl. 5-247.000.

Wells, Thomas L., to Randalette, Inc. Device and kit for cleaning lenses of telescopes, cameras and the like. 4,842,132, 6-27-89, Cl. 206-229.000.

Wells, Wayne E., to Ford Motor Company. Leaf spring clamp with attachment means. 4,801,129, 1-31-89, Cl. 267-52.000.

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Wells, William: *See—*
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- Welschof, Hans-Heinrich, to Lohr & Bromkamp GmbH. Press tooling for manufacturing constant velocity ratio universal joint members. 4,843,864, 7-4-89, Cl. 72-355.000.
- Welschof, Hans-Heinrich; and Beier, Rudolf, to Lohr & Bromkamp GmbH. Wheel supporting assembly. 4,858,998, 8-22-89, Cl. 301-124.00R.
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- Welschof, Hans-Heinrich; and Schwarzler, Peter, to Lohr & Bromkamp GmbH. Cross groove constant velocity ratio universal joints. 4,878,882, 11-7-89, Cl. 464-144.000.
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  - Paris, Roy, 4,825,482, Cl. 5-11.000.
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- Welsh, Jill, to Akzo N.V. Canine parvovirus vaccines. 4,810,494, 3-7-89, Cl. 424-89.000.
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  - Babu, Suryadevara V.; Bui, Vu Q.; Hoffarth, Joseph G.; and Welsh, John A., 4,810,326, Cl. 156-629.000.
- Welsh, John T.: *See—*
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- Welsh, Richard S.: *See—*
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- Welsh, Robert C. Conversion bracket for portable microscopes. 4,856,742, 8-15-89, Cl. 248-124.000.
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- Welsh, Russell J., to PEAC Media Research, Inc. Video monitoring system. 4,857,999, 8-15-89, Cl. 358-84.000.
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- Welsh, William A., to W. R. Grace & Co.-Conn. Method for refining glyceride oils using partially dried amorphous silica hydrogels. 4,880,574, 11-14-89, Cl. 260-428.000.
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- Welsing, Otto: *See—*
  - Krebs, Rolf; Welsing, Otto; Retzlaff, Friedhelm; Gunter, Friedhelm; Wahl, Hans-Jurgen; Gerber, Manfred; and Gross, Heinz, 4,827,099. Cl. 219-121.630.
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  - Slivka, John J.; and Welter, Thomas N. H., 4,832,103, Cl. 152-559.000.
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- Weltmer, William R., Jr.: *See—*
  - Whitlock, Walter H.; Weltmer, William R., Jr.; and Clark, James D., 4,806,171, Cl. 134-7.000
- Welton, Ann F., to Hoffmann-La Roche Inc. Therapeutic treatment of leukotriene-mediated dermal inflammation by topical administration of 3,4-dihydro-2H-1-benzopyran derivatives. 4,885,309, 12-5-89, Cl. 514-456.000.
- Welton, Truett T. Safe tanning lamp control system. 4,835,749, 5-30-89, Cl. 368-10.000.
- Welton, Wright M., to PPG Industries, Inc. Foam control method for vacuum refining of glassy materials. 4,794,860, 1-3-89, Cl. 65-135.000.
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  - Gerutti, Richard L.; Haskins, David R.; Heithoff, Robert B.; Schwenninger, Ronald L.; and Welton, Wright M., 4,886,539, Cl. 65-135.000.
- Welty, Richard P., to Vac-Tec Systems, Inc. Apparatus for producing graded-composition coatings. 4,814,056, 3-21-89, Cl. 204-298.000.
- Welty, Richard P., to Vac-Tec Systems, Inc. Magnetron sputtering cathode. 4,865,708, 9-12-89, Cl. 204-192.120.
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  - Doncker, Francis; Helber, Rolf; Welzel, Gerhard; and Bung, Richard, 4,852,533, Cl. 123-192.00R.
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- Wemhoff, Mark F., to Environmental Tech America, Inc. Method and apparatus for pollution control of liquid wastes. 4,834,836, 5-30-89, Cl. 159-23.000.
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  - Wright, Arthur P. G.; Wen, Betty P. L.; Schenck, Terry G.; and Maron, Antonina, 4,842,734, Cl. 514-191.000.
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  - Wong, Wah S.; Wen, Cheng P.; and Kung, Jen K., 4,855,796, Cl. 357-15.000.
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- Wen, David D. High dynamic range charge-coupled device. 4,873,561, 10-10-89, Cl. 357-24.000.
- Wen-Don Corporation: *See—*
  - Heath, William T.; and Byles, William H., 4,828,569, Cl. 8-137.000.
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  - Kasper, Gerhard; Wen, Horng-Yuan; and Nishikawa, Yukinobu, 4,878,510, Cl. 137-1.000.
- Wen, Hung-Sheng. Solar lighting device for garden or driveway. 4,835,664, 5-30-89, Cl. 362-183.000.
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- Wen, Maz. Eccentrically operating speed-variating means for bicycle. 4,889,354, 12-26-89, Cl. 280-236.000.
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  - Miller, Kenneth J.; and Wen, Wu-Wey, 4,867,368, Cl. 209-167.000.
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- Wendel, Albrecht: *See—*
  - Welter, Andre; Fischer, Harmut; Christiaens, Leon; Wendel, Albrecht; Etschenberg, Eugen; Dereu, Norbert; Kuhl, Peter; and Graf, Eric, 4,873,350, Cl. 549-436.000.
- Wendel, Harald: *See—*
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- Wendel, Ralf: *See—*
  - Nagel, Reimer; and Wendel, Ralf, 4,855,750, Cl. 343-770.000.
- Wenderoth, Bernd; Anke, Timm; Rentzea, Costin; Ammermann, Eberhard; Pommer, Ernst-Heinrich; and Steglich, Wolfgang, to BASF Aktiengesellschaft. Oxime ethers and fungicides containing these compounds. 4,829,085, 5-9-89, Cl. 514-522.000.

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- Wendland's Farm Products, Inc.: *See—*
  - Alley, W. Larnce; and Scott, Johnie T., 4,847,095, Cl. 426-2.000.
- Wendler, Glenn H. Fish stringer. 4,827,66[illegible], 5-9-89, Cl. 43-55.000.
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  - Obrecht, Werner; Wendling, Peter; Gobel, Wilhelm; and Muller, Eberhard, 4,81[illegible],401, Cl. 526-204.000.
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- Wendorff, Joachim: *See—*
  - Eich, Manfred; Wendorff, Joachim; and Reck, Bernd, 4,837,745, Cl. 365-108.000.
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- Wendschlag, James C.: *See—*
  - Sand, James R.; and Wendschlag, James C., 4,829,786, Cl. 62-468.000.
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- Wendt, Barry M., to Technology Congress, Ltd., The. Prototype circuit board and method of testing. 4,854,039, 8-8-89, Cl. 29-832.000.
- Wendt, Dan J., to Pillsbury Company, The. Food container for microwave heating and method of substantially eliminating arcing in a microwave food container. 4,851,[illegible]31, 7-25-89, Cl. 219-10.55E.
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- Wendt, Hartmut: *See—*
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- Wendt, James N.: *See—*
  - Gebhardt, Edwin J.; Keaton, George H.; Sinar, Michael M.; and Wendt, James N., 4,852,198, Cl. 15-77.000.
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- Weng, Lih-Jyh, to Digital Equipment Corporation. Method and apparatus for adaptive data compression. 4,881,075, 11-14-89, Cl. 341-87.000.
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- Weng, Tung H.: *See—*
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  - Hockenberry, Jack K., 4,826,265, Cl. 312-326.000.
  - Wenger, Kari J.; and Reshanov, Eugene N., 4,819,902, Cl. 248-460.000.
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  - Wenger, LaVon G.; Hauck, Bobbie W.; and Hartter, Timothy R., 4,875,847, Cl. 425-204.000.
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- Wengert, Ulrich, to Siemens Aktiengesellschaft. High-availability computer system with a support logic for a warm start. 4,860,196, 8-22-89, Cl. 364-200.000.
- Wengorz, Wilfried: *See—*
  - Owsianny, Emund; Wengorz, Wilfried; and Aschenbruck, Emil, 4,836,746, Cl. 415-160.000.
- Wengrovius, Jeffrey H.; Hallgren, John E.; Stein, Judith; and Lucas, Gary M., to General Electric Company. Polyalkoxysilyl-terminated polydiorganosiloxanes, methods for their preparation, and room temperature vulcanizable compositions containing them. 4,863,992, 9-5-89, Cl. 524-731.000.
- Wengrovius, Jeffrey H.: *See—*
  - Stein, Judith; Wengrovius, Jeffrey H.; Engle, Lori P.; Gross, David C.; and Hallgren, John E., 4,826,915, Cl. 524-731.000.
- Wenk, Erich: *See—*
  - Koziol, Konrad; and Wenk, Erich, 4,814,055, Cl. 204-286.000.
- Wenk, Paul; Sallmann, Alfred; and Beck, Andreas, to Ciba-Geigy Corporation. Novel resorcinol ethers and anti-inflammatory and anti-allergic use thereof. 4,863,942, 9-5-89, Cl. 514-381.000.
- Wenk, Paul: *See—*
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- Wenkman, Gregory J.: *See—*
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- Wenman, Herbert W.: *See—*
  - Wolcott, John H.; and Wenman, Herbert W., 4,853,573, Cl. 310-105.000.
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- Wennemann, Harald: *See—*
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- Wennemann, Werner: *See—*
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- Wennemar, James A.: *See—*
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- Wennerbo, Orjan E. V.: *See—*
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- Wennergren, Rolf: *See—*
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- Wenoka Seastyle: *See—*
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  - Van de Pol, Herbert D., 4,820,218, Cl. 441-64.000.
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- Wensel, Ronald G.: *See—*
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- Wensing, Helmut: *See—*
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- Wensley, C. Glen: *See—*
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- Wensley, Gerald J.: *See—*
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- Russell, Michael K.; Wesenberg, Donald L.; and Leaney, Peter A., 4,855,870, Cl. 361-395.000.

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- Lilley, Martin A.; and Wesolowski, Jan S., 4,819,196, Cl. 364-602.000.

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- Thelen, Hubert; and Wesp, Menrad, 4,830,233, Cl. 222-450.000.

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- Goodrich, Winston D.; Wesselski, Clarence J.; Pelischek, Timothy E.; Becker, Bruce H.; Kahn, Jon B.; Grimaldi, Margaret E.; McManamen, John P.; and Castro, Edgar O., 4,887,780, Cl. 244-137.200.

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- Davis, Thomas E.; Schmidt, Donald L.; Kau, Jee I.; Wessling, Ritchie A.; Whipple, Sharon S.; Fibiger, Richard F.; and Pickelman, Dale M., 4,797,187, Cl. 204-180.200.
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- Fibiger, Richard F.; Colucci, Michael J.; Forgach, David J.; Wessling, Ritchie A.; and Schmidt, Donald L., 4,828,700, Cl. 210-500.320.
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West, Burnell G.; and Herlein, Richard F., to Schlumberger Technologies, Inc. Test period generator for automatic test equipment. 4,849,702, 7-18-89, Cl. 328-63.000.

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- Beswick, Frank; and Winship, Robert W., 4,856,640, Cl. 198-311.000.
- Conn, Kirk O.; Finlay, William, Jr.; Sutyn, Caroll S.; and Maietta, Michael G., 4,871,354, Cl. 604-89.000.
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- Romberg, Val G.; Kiang, Patty H.; Curry, Wayne T.; and Pfister, Ralph E., 4,882,210, Cl. 428-34.700.

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- Iwata, Hiroshi; and Hirata, Shinji, 4,847,538, Cl. 315-241.00P.

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West, Eugene L., to Bradford White Corporation. Foam insulated water heater and method of making same. 4,861,968, 8-29-89, Cl. 219-312.000.

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West, Robert N., to Sira Limited. Inspection apparatus including photodetection and scanning apparatus. 4,797,558, 1-10-89, Cl. 250-572.000.

West, Robert N., to Sira Limited. Apparatus for receiving radiation only within predetermined angular limits. 4,851,696, 7-25-89, Cl. 250-572.000.

West, Robert N., to SIRA Limited. Apparatus for separating specular from diffuse radiation. 4,861,164, 8-29-89, Cl. 356-445.000.

West, Robert N., to Sira Limited. Surface inspection or ranging apparatus with image derotation. 4,861,984, 8-29-89, Cl. 250-236.000.

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  Chawla, Manmohan S., 4,860,655, Cl. 102-306.000.
  Chawla, Manmohan S.; Collier, Nicholas; and Sehnert, Steven D., 4,862,804, Cl. 102-309.000.
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  De Buyl, Marc H.; and Guidish, Thomas M., 4,817,062, Cl. 367-73.000.
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Duncan, Robert; and Craver, James E., 4,873,051, Cl. 376-438.000.
Efferding, Larry E., 4,800,283, Cl. 250-507.100.
Ekeroth, Douglas E.; and Veronesi, Luciano, 4,876,061, Cl. 376-353.000.
Ettehadieh, Bozorg, 4,844,875, Cl. 423-210.000.
Ettehadieh, Bozorg, 4,889,060, Cl. 110-246.000.
Evans, David H., 4,878,810, Cl. 416-203.000.
Evans, William P., 4,862,171, Cl. 341-156.000.
Everett, James W.; and Sadofsky, Frank, 4,823,846, Cl. 138-89.000.
Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
Ezekoye, L. Ike; and Cavada, David R., 4,836,974, Cl. 376-258.000.
Ferguson, Kenneth H.; Gatlin, Bobby J.; Real, Philip; Conroy, Joseph L.; and Ehrman, James P., 4,816,833, Cl. 342-95.000.
Fero, Arnold H.; and Anderson, Stanwood L., Jr., 4,842,807, Cl. 376-254.000.
Fero, Arnold H.; Anderson, Stanwood L., Jr.; and Sejvar, James, 4,844,858, Cl. 376-254.000.
Fero, Arnold H.; Potochnik, Lawrence M.; Riling, Ronald W.; and Semethy, Kenneth F., 4,876,058, Cl. 376-247.000.
Ferree, Herbert E., 4,817,894, Cl. 244-158.00R.
Ferree, Herbert E.; and Beal, William S., 4,854,945, Cl. 55-55.000.
Fey, Maurice G., 4,802,919, Cl. 75-25.000.
Fey, Maurice G.; Lange, William J.; Freidhoff, Carl B.; and Slade, Paul G., 4,880,947, Cl. 200-144.00B.
Fornof, James D., 4,847,041, Cl. 376-308.000.
Fort, Emil M.; and Simmonds, Leonard B., 4,842,539, Cl. 439-262.000.
Fox, David A., 4,797,570, Cl. 307-87.000.
Fox, David A., 4,816,756, Cl. 324-158.00D.
Freeman, Thomas R., 4,820,478, Cl. 376-333.000.
Fridsma, Daniel E., 4,878,348, Cl. 60-660.000.
Furgerson, Donald F., 4,831,524, Cl. 364-300.000.
Garner, Daniel C.; Sherwood, Donald G.; and Davidson, Albert C., 4,849,162, Cl. 376-458.000.
Gasparro, Michael R., 4,818,476, Cl. 376-294.000.
Gavilan, William A., 4,820,126, Cl. 416-221.000.
Gavilan, William A., 4,836,749, Cl. 416-221.000.
Geil, Frederick G.; Gruen, Henry M.; Newman, Howard S.; Ratz, Thomas J.; Rowe, Linwood M., Jr.; and Thompson, John H., 4,833,659, Cl. 367-155.000.
Gilmore, Charles B.; Kisak, James L.; Oberst, Jeffrey P.; Wood, John D.; and Baloh, Frank J., 4,803,042, Cl. 376-272.000.
Gilmour, George A., 4,802,148, Cl. 367-88.000.
Gisoni, Gregory A.; and Forker, James M., 4,875,043, Cl. 341-22.000.
Gjertsen, Robert K.; Knott, Ronald P.; and Sparrow, James A., 4,888,151, Cl. 376-327.000.
Goldenfield, Mark P.; Lambert, David V.; and Ahmed, Hassan J., 4,822,987, Cl. 235-462.000.
Gottlieb, Milton; and Melamed, Nathan T., 4,886,346, Cl. 350-358.000.
Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., 4,849,858, Cl. 361-388.000.
Grapes, Thomas F.; Fertig, Timothy M.; and Schroeder, Mark S., 4,867,235, Cl. 165-185.000.

Griffin, Rodney L.; Ciliberti, David F.; and Lippert, Thomas E., 4,812,149, Cl. 55-71.000.
Grimble, Ralph E.; and Somers, Edward V., 4,812,373, Cl. 429-19.000.
Grimes, Elizabeth H., 4,803,658, Cl. 365-87.000.
Grimes, Elizabeth H.; and Baugh, Charles W., 4,805,140, Cl. 365-87.000.
Groenendaal, John C., 4,863,341, Cl. 415-103.000.
Groenendaal, John C., Jr., 4,816,213, Cl. 376-402.000.
Groenendaal, John C., Jr., 4,826,395, Cl. 415-101.000.
Grundy, Brian R., 4,830,816, Cl. 376-313.000.
Guardiani, Richard F.; and Nyilas, Charles P., 4,838,559, Cl. 277-3.000.
Gula, Lance; and McKee, Jere L., 4,887,057, Cl. 335-190.000.
Haley, Paul H., 4,808,063, Cl. 414-730.000.
Hankinson, Michael F.; Leduc, Robert J.; Richard, Joseph W.; and Malandra, Louis J., 4,828,789, Cl. 376-287.000.
Harbaugh, Thomas D.; Murtha, James A.; and Podobnik, Michael E., 4,832,900, Cl. 376-259.000.
Hargrove, Homer G.; and Silvestri, George J., Jr., 4,803,841, Cl. 60-657.000.
Hargrove, Homer G.; and Kratz, Jay L., 4,817,857, Cl. 228-183.000.
Hawkins, Phillip J.; Kasner, William H.; Toth, Vincent A.; and Stroster, Mariann C., 4,855,564, Cl. 219-121.780.
Heinrich, Theodore M.; and Schauder, Colin D., 4,805,082, Cl. 363-129.000.
Heinrich, Theodore M., 4,849,870, Cl. 363-37.000.
Hemminger, Rodney C., 4,887,029, Cl. 324-142.000.
Henry, Robert E., 4,816,210, Cl. 376-309.000.
Heymann, Frank J., 4,812,105, Cl. 415-134.000.
Hill, Norris L., 4,890,086, Cl. 336-210.000.
Hill, Robert A.; and Scott, Dennis J., 4,885,497, Cl. 310-265.000.
Holly, Henry M., III, 4,853,577, Cl. 340-260.000.
Hopwood, Francis W.; Kane, Jerry A.; Ioannidis, George A.; and Decker, Martin J., 4,847,624, Cl. 342-201.000.
Hornak, Leonard P.; and Meuschke, Robert E., 4,820,479, Cl. 376-446.000.
Hoyer, Norman S.; and Iyer, Natraj C., 4,810,289, Cl. 75-232.000.
Huggins, Thomas B., Sr., 4,841,636, Cl. 30-107.000.
Hughes, Kevin B., 4,849,690, Cl. 324-158.0MG.
Hummert, George T.; Slepian, Robert M.; and Westrick, Lawrence R., 4,859,940, Cl. 324-204.000.
Humphries, Benjamin T.; and Prole, Aleksandar, 4,866,316, Cl. 310-71.000.
Hunter, Kenneth W., 4,865,972, Cl. 435-7.000.
Hurley, Joseph D., 4,864,242, Cl. 324-510.000.
Hwang, Edward Y., 4,811,565, Cl. 60-646.000.
Hwang, Edward Y.; and Thomas, Timothy D., 4,866,940, Cl. 60-646.000.
Impink, Albert J., Jr.; Lipner, Melvin H.; and Mundy, Roger A., 4,803,039, Cl. 376-216.000.
Impink, Albert J., Jr.; and Grobmyer, Louis R., 4,839,134, Cl. 376-216.000.
Impink, Albert J., Jr.; Langford, Francis L., Jr.; Grobmyer, Louis R.; and Luinetti, William K., 4,877,575, Cl. 376-216.000.
Isenberg, Arnold O., 4,812,329, Cl. 427-115.000.
Jaafar, Hamedo A.; Katzor, Karl A.; Rethage, Wilbert B.; Pompa, Gerard A.; Dailey, George F.; and Guenther, Paul, 4,889,000, Cl. 73-865.800.
Jackovitz, John F.; Moyes, Hilary; and Buzzelli, Edward S., 4,804,598, Cl. 429-254.000.
Jackovitz, John F.; Zuckerbrod, David; and Buzzelli, Edward S., 4,822,698, Cl. 429-27.000.
Jackson, John F., 4,839,858, Cl. 365-87.000.
Jacomini, Omar J., 4,829,307, Cl. 342-159.000.
Jacomini, Omar J., 4,890,113, Cl. 342-163.000.
Jakubowski, Paul R.; and Boies, Ronald L., 4,842,219, Cl. 244-31.000.
Jenkins, Maurice A., 4,818,975, Cl. 340-584.000.
Jenkins, Maurice A., 4,848,926, Cl. 374-142.000.
John, Clarence D., Jr., 4,804,077, Cl. 198-339.100.
John, Clarence D., Jr.; McNerney, Francis C.; and Sanders, Thomas M., 4,859,276, Cl. 156-626.000.
John, Clarence D., Jr.; and McNerney, Francis C., 4,863,555, Cl. 156-625.000.
Johnson, Alfred N.; and Humphrey, Martin D., 4,862,005, Cl. 250-385.100.
Johnson, Alfred N.; and Humphrey, Martin D., 4,866,277, Cl. 250-385.100.
Jose, Vince A., 4,840,132, Cl. 110-246.000.
Kang, Samsuk; and Bordelon, Frank M., 4,841,763, Cl. 73-49.300.
Kanter, Ira E.; and Lee, Pang K., 4,818,355, Cl. 204-170.000.
Kasner, William H.; Toth, Vincent A.; and Hawkins, Phillip J., 4,827,098, Cl. 219-121.630.
Kasner, William H.; Swensrud, Roger L.; Soroka, Daniel P.; Su, Wei-Fang A.; Wutzke, Steve A.; Toth, Vincent A.; and Scala, Luciano C., 4,844,947, Cl. 427-53.100.
Kasner, William H.; Kun, Zoltan K.; Leksell, David; and Toth, Vincent A., 4,885,448, Cl. 219-121.690.
Kaufmann, John W.; Swidwa, Kenneth J.; and Hornak, Leonard P., 4,832,902, Cl. 376-268.000.
Kemeny, George A., 4,858,513, Cl. 89-8.000.
Kemeny, George A.; and Deis, Daniel W., 4,841,181, Cl. 310-12.000.
Kendall, Scott W.; and Silvestri, George J., Jr., 4,847,039, Cl. 376-297.000.
Kerrey, John S., 4,859,408, Cl. 376-450.000.
Kiger, William E.; and Cox, Jimmy A., 4,832,540, Cl. 407-34.000.
Kimmel, Donald S., 4,847,723, Cl. 361-78.000.
King, David R.; Lee, Mark S.; and Decker, Richard W., 4,847,446, Cl. 174-68.500.
Koch, Karl C.; Petronio, Carlo F.; and Einolf, Charles W., Jr., 4,817,208, Cl. 455-619.000.
Kosi, Ceasar U., 4,875,691, Cl. 277-147.000.
Kovalsky, Leonard J.; and Abbondanti, Alberto, 4,833,389, Cl. 318-803.000.
Krachanko, Allen, 4,814,700, Cl. 324-158.0MG.
Kroeger, Brian W.; and Kurtz, John J., 4,847,874, Cl. 375-110.000.
Kwech, Horst, 4,813,314, Cl. 82-113.000.
Kwech, Horst, 4,822,238, Cl. 414-730.000.
LaCoste, Bernard L.; Dawawala, Suryakant K.; and Nelson, Robert M., 4,834,133, Cl. 137-315.000.
Lamb, Miles P., 4,842,101, Cl. 187-22.000.
Lampe, Donald R.; Mentzer, Mark A.; and Naviasky, Eric H., 4,841,480, Cl. 365-87.000.
Lancraft, Roy E.; Daggett, Kenneth E.; Onaga, Eimei M.; Casler, Richard J., Jr.; Booth, Barrett L.; Bergman, Norman J.; and Nuncy, Marcus D., 4,868,474, Cl. 318-568.200.
Lee, Suh Y., 4,870,912, Cl. 110-246.000.
Lemak, Thomas A.; Osborne, Robert L.; and Twerdochlib, Michael, 4,851,949, Cl. 361-23.000.
Levin, George B.; Lee, Suh Y.; and Moritz, James H., 4,862,813, Cl. 110-216.000.
Levino, Andre J., 4,806,807, Cl. 310-71.000.
Li, Hung J.; and Garrity, James P., 4,835,651, Cl. 361-68.000.
Lin, Ching-Yu; and McIntyre, William H., 4,828,671, Cl. 204-412.000.
Lin, Ching-Yu; and Hirayama, Chikara, 4,828,672, Cl. 204-424.000.
Linzer, Frederick D.; and Hauck, Paul L., 4,811,783, Cl. 165-134.100.
Lipner, Melvin H.; Mundy, Roger A.; and Impink, Victor N. K., 4,815,014, Cl. 364-550.000.
Livesey, John K.; Maier, Alfred E.; and Carrodus, Melvin A., 4,829,278, Cl. 337-50.000.
Long, Lawrence J.; and Henrickson, James A., 4,877,079, Cl. 164-468.000.
Lui, Chun K., 4,818,473, Cl. 376-261.000.
Machado, Octavio J.; Flynn, William M.; Flanders, Harry E., Jr.; and Booker, Larry W., 4,820,472, Cl. 376-272.000.
Machado, Octavio J.; Moore, Jay T.; and Cooney, Barry F., 4,857,263, Cl. 376-272.000.
Maier, Alfred E.; and Farley, James R., 4,862,125, Cl. 335-202.000.
Male, Andrew J., 4,887,055, Cl. 335-6.000.
Mallory, Charles W., 4,806,771, Cl. 250-506.100.
Mallory, Charles W., 4,810,389, Cl. 210-650.000.
Mallory, Charles W.; Watts, Ralph E.; Sanner, William S., Jr.; Disibio, Ralph R.; Lilley, Arthur W.; Winston, Steven J.; Stricklin, Billy C.; and Razor, John E., 4,845,372, Cl. 250-506.100.
Mallory, Charles W., 4,862,007, Cl. 250-506.100.
Marron, Gerald I.; and Rethage, Wilbert B., 4,827,435, Cl. 364-559.000.
Marshall, James R., 4,815,627, Cl. 220-315.000.
Marshall, James R.; and Thorn, Mary F., 4,857,261, Cl. 376-248.000.
Martin, Harry F., 4,832,566, Cl. 415-119.000.
Martin, Raymond G., 4,862,180, Cl. 342-417.000.
Maskalick, Nichols J.; and Folser, George R., 4,847,172, Cl. 429-30.000.
Matsko, Joseph J.; and Saletta, Gary F., 4,809,125, Cl. 361-93.000.
Matusz, John M.; Golick, Leonard R.; and Matusz, Walter, 4,859,409, Cl. 376-463.000.
Mayers, Joseph B.; Gjertsen, Robert K.; and Wilson, John F., 4,820,475, Cl. 376-327.000.
McGeary, Robert K.; and Bucher, George D., 4,865,804, Cl. 376-451.000.
McKee, Bobby D.; Rindal, Roald A.; and Condit, William C., Jr., 4,864,911, Cl. 89-8.000.
McKee, Jere L.; Beatty, William E., Jr.; and Thomas, Glenn R., 4,890,081, Cl. 335-18.000.
McKendree, Francis S.; and Rozelle, Paul F., 4,887,468, Cl. 73-660.000.
McLaughlin, David F., 4,865,693, Cl. 203-29.000.
McLaughlin, David F.; and Stoltz, Richard A., 4,865,696, Cl. 203-29.000.
McLaughlin, David F.; and Stoltz, Richard A., 4,874,475, Cl. 203-51.000.
Melvin, Waymon A., Jr., 4,841,281, Cl. 340-310.00A.
Merkovsky, Daniel; and Rusnica, Edward J., 4,822,558, Cl. 376-347.000.
Merkovsky, Daniel, 4,839,135, Cl. 376-254.000.
Metala, Michael J.; Clark, William G., Jr.; Junker, Warren R.; Burtner, Lee W.; Arzenti, Thomas E.; Johnson, Harold P.; Vestovich, Robert P.; and Bevilacqua, Bruce W., 4,856,337, Cl. 73-601.000.
Meuschke, Robert E.; and Shields, Edward P., 4,824,632, Cl. 376-261.000.
Meuschke, Robert E.; and Boyd, Charles H., 4,849,158, Cl. 376-285.000.
Miller, Robert C., 4,812,025, Cl. 350-435.000.
Miller, Robert C., 4,873,512, Cl. 340-679.000.
Miranda, Samuel, 4,832,898, Cl. 376-215.000.
Mitchell, James T., 4,819,115, Cl. 361-308.000.

Moran, Steven A., 4,833,585, Cl. 363-39.000.
Morrison, Paul E.; Stout, George H.; Dailey, George F.; and Fischer, Mark W., 4,811,091, Cl. 358-100.000.
Morse, Alfred W., 4,812,686, Cl. 307-491.000.
Mueller, Denis A.; and Saletta, Gary F., 4,819,118, Cl. 361-25.000.
Mumford, Stephen E.; and Smed, Jan P., 4,887,432, Cl. 60-759.000.
Munday, Mark L., 4,852,030, Cl. 364-569.000.
Murray, Alexander P.; Slater, Clifton G.; and White, Robert W., 4,880,559, Cl. 252-186.210.
Mussler, James M.; and Arnold, Jane P., 4,837,705, Cl. 364-484.000.
Mussler, James M.; and Neuner, James A., 4,849,930, Cl. 364-900.000.
Nair, Balakrishnan R.; Richardson, Raymond V.; and Mello, Raymond M., 4,825,088, Cl. 250-506.100.
Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.
Nathenson, Richard D.; and Slepian, Robert M., 4,842,054, Cl. 165-104.280.
Nee, John D.; and Green, Richard A., 4,885,961, Cl. 81-55.000.
Nehrbauer, Joseph A., 4,887,664, Cl. 165-76.000.
Nixon, Donald R., 4,847,600, Cl. 340-621.000.
Nottingham, Lawrence D.; Michaels, Thomas E.; and Michaels, Jennifer E., 4,803,638, Cl. 364-507.000.
Nottingham, Lawrence D.; Michaels, Thomas E.; and Michaels, Jennifer E., 4,864,862, Cl. 73-623.000.
Nugent, John L.; and Matthews, Norman G., 4,843,349, Cl. 331-116.00R.
Nyilas, Charles P.; and Guardiani, Richard F., 4,848,774, Cl. 277-3.000.
Onaga, Eimei M.; and Casler, Richard J., Jr., 4,864,206, Cl. 318-568.110.
Osborne, Robert L., 4,876,505, Cl. 324-208.000.
Paice, Derek A., 4,876,634, Cl. 363-5.000.
Pankowiecki, Joseph, 4,838,953, Cl. 137-625.300.
Panson, Armand J.; and Troy, Michael, 4,842,812, Cl. 376-306.000.
Partington, Albert J.; and Hornberger, David A., 4,798,520, Cl. 416-219.00R.
Partington, Albert J., 4,813,850, Cl. 416-219.00R.
Pava, Ronald, 4,850,616, Cl. 285-41.000.
Pavlik, Norman M.; and Sefko, John, 4,808,464, Cl. 428-216.000.
Pearson, David B.; and Wissell, Robert A., 4,840,254, Cl. 187-57.000.
Petronio, Carlo F.; and Belz, James C., 4,850,042, Cl. 455-606.000.
Pisz, Frank A.; Warnock, Arthur S.; and Heinig, Roger W., 4,824,328, Cl. 416-219.00R.
Plankenhorn, Daniel J.; Gregson, Victor G.; and Horne, John G., 4,828,384, Cl. 356-121.000.
Pollack, William; and Reichner, Philip, 4,833,045, Cl. 429-30.000.
Ponce, Hector O.; and Detinko, Felix M., 4,810,919, Cl. 310-217.000.
Popalis, Craig H., 4,820,476, Cl. 376-203.000.
Przybysz, John X., 4,859,879, Cl. 307-476.000.
Putman, Richard E.; and Allen, Thomas, 4,805,114, Cl. 364-494.000.
Quiel, John M., 4,840,130, Cl. 110-234.000.
Qureshi, Javaid I.; Kaufman, Roland H.; Anderson, Michael E.; and Spahr, William L., 4,814,236, Cl. 428-678.000.
Radford, Kenneth C.; and Carlson, William C., 4,826,630, Cl. 252-478.000.
Rampolla, Robert W., 4,796,263, Cl. 372-10.000.
Ratliff, Phillip R.; and Bises, George A., 4,887,231, Cl. 364-564.000.
Rauch, Gary C.; and Kothmann, Richard E., 4,832,763, Cl. 148-121.000.
Reichner, Philip, 4,808,491, Cl. 429-13.000.
Reichner, Philip, 4,874,678, Cl. 429-30.000.
Reichner, Philip, 4,876,163, Cl. 429-30.000.
Reichner, Philip, 4,888,254, Cl. 429-31.000.
Reynolds, Samuel D., Jr.; and Cheruvu, Narayana S., 4,850,794, Cl. 415-136.000.
Richard, Joseph W., 4,859,404, Cl. 376-293.000.
Rieben, Stuart L.; Kugler, Ralph W.; Scherpenberg, Joseph J.; Wiersema, Dale T.; and Fogg, James L., 4,842,808, Cl. 376-261.000.
Riedel, Ernest P.; and Boenning, Robert A., 4,812,037, Cl. 356-35.000.
Rippey, Scott R.; and Won, Chongsoo, 4,811,167, Cl. 361-392.000.
Roarty, David H., 4,881,409, Cl. 73-597.000.
Robirds, Timothy G.; Petrisko, John D.; Patel, Nagar J.; and Aglietti, William Q., 4,814,942, Cl. 361-337.000.
Rodriguez, Noe E., II; Flaherty, William T., Jr.; Duggan, Sharon A.; and Fertig, Timothy M., 4,837,664, Cl. 361-386.000.
Rowe, Charles M.; and Holly, Henry M., III, 4,808,873, Cl. 310-260.000.
Rowe, Charles M.; and Ward, Robert T., 4,831,303, Cl. 310-260.000.
Sabol, George P.; Worcester, Samuel A.; and Foster, John P., 4,814,136, Cl. 376-416.000.
Sadhir, Rajender K.; and Saunders, Howard E., 4,845,166, Cl. 528-109.000.
Saletta, Gary F.; and Matsko, Joseph J., 4,827,369, Cl. 361-96.000.
Salton, Robert B.; Hornak, Leonard P.; Marshall, James R.; and Meuschke, Robert E., 4,834,934, Cl. 376-271.000.
Sanderson, Arthur C.; Weiss, Lee E.; and Nayar, Shree K., 4,876,455, Cl. 250-560.000.
Sargeant, John B., 4,887,474, Cl. 73-865.900.
Scalzo, Augustine J.; and Kish, Leslie G., 4,850,196, Cl. 60-740.000.
Scalzo, Augustine J., 4,889,470, Cl. 415-209.200.
Schara, Kristen T.; Kulik, David B.; and McIlvaine, Scott E., 4,875,461, Cl. 125-23.00R.
Schauder, Colin D.; Rosa, John; and Heinrich, Theodore M., 4,814,964, Cl. 363-37.000.
Schauder, Colin D., 4,833,588, Cl. 363-159.000.
Schauder, Colin D., 4,862,054, Cl. 318-800.000.
Schauder, Colin D., 4,885,518, Cl. 318-798.000.
Schenk, Harold L., Jr.; and Beecher, Donald T., 4,810,988, Cl. 336-60.000.
Scherbarth, David W.; Deis, Daniel W.; and Olsen, John W., 4,841,833, Cl. 89-8.000.
Schmertz, John C., 4,886,348, Cl. 350-622.000.
Scott, William T.; and Leishear, Robert A., 4,886,463, Cl. 439-89.000.
Shallenberger, John M.; and Ferlan, Stephen J., 4,799,312, Cl. 29-723.000.
Shallenberger, John M.; and Ferlan, Stephen J., 4,800,061, Cl. 376-261.000.
Shallenberger, John M.; and Ferlan, Stephen J., 4,855,100, Cl. 376-327.000.
Sherwin, Gary W.; Schmidt, Albert L.; and Hanes, Lewis F., 4,861,154, Cl. 351-205.000.
Shields, Edward P., 4,807,262, Cl. 376-203.000.
Shockling, Larry A.; and Francis, Trevor A., 4,863,678, Cl. 376-327.000.
Shuey, Kenneth C., 4,890,089, Cl. 340-310.00A.
Silvestri, George J., Jr.; and Hargrove, Homer G., 4,811,566, Cl. 60-646.000.
Silvestri, George J., Jr., 4,819,435, Cl. 60-646.000.
Silvestri, George J., Jr., 4,825,653, Cl. 60-646.000.
Silvestri, George J., Jr.; and Viscovich, Paul W., 4,825,657, Cl. 60-678.000.
Silvestri, George J., Jr., 4,827,429, Cl. 364-494.000.
Silvestri, George J., Jr., 4,840,537, Cl. 415-202.000.
Silvestri, George J., Jr.; and Kendall, Scott W., 4,850,793, Cl. 415-38.000.
Silvestri, George J., Jr., 4,870,823, Cl. 60-652.000.
Silvestri, George J., Jr., 4,888,954, Cl. 60-660.000.
Sismour, Albert C., Jr., 4,870,308, Cl. 310-71.000.
Slattery, Duard G., Jr.; Sattinger, Stanley S.; and DeJong, Richard G., 4,825,712, Cl. 74-443.000.
Smed, Jan P., 4,863,343, Cl. 415-138.000.
Smith, Richard C.; Bartko, John; and Fero, Arnold H., 4,881,247, Cl. 376-257.000.
Smith, William J.; Takayama, Jin; Varisco, Frank J.; and Williams, Jeffery J., 4,843,576, Cl. 364-557.000.
Snuttjer, Owen R.; and Wilhelm, Peter L., 4,870,393, Cl. 340-611.000.
Snyder, David A.; and Glosecki, David M., 4,854,798, Cl. 411-434.000.
Snyder, David A.; and Anderson, Johnny J., 4,889,679, Cl. 376-258.000.
Snyder, Thomas S.; Stoltz, Richard A.; and McLaughlin, David F., 4,865,694, Cl. 203-29.000.
Snyder, Thomas S.; and Stoltz, Richard A., 4,865,695, Cl. 203-29.000.
Spengler, Charles J.; and Ruka, Roswell J., 4,849,254, Cl. 427-115.000.
Spengler, Charles J.; and Singh, Prabhakar, 4,885,078, Cl. 204-432.000.
Squarer, David; Colin, Andre; Prior, Robert P.; Mink, Frederick J.; and Liparulo, Nicholas J., 4,859,405, Cl. 376-299.000.
Stacey, Eric J., 4,870,557, Cl. 363-43.000.
Stapleton, Cecil R., 4,812,285, Cl. 376-203.000.
Stapleton, Cecil R., 4,885,122, Cl. 376-203.000.
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Stock, Alvin L., 4,856,964, Cl. 415-201.000.
Stock, Alvin L., 4,866,941, Cl. 60-692.000.
Stratman, Dennis L.; and Lowry, Steven P., 4,813,809, Cl. 403-405.100.
Stunzi, Joseph M.; and Sellers, James R., 4,808,963, Cl. 337-246.000.
Stunzi, Joseph M., 4,808,964, Cl. 337-252.000.
Suko, Scott K., 4,866,586, Cl. 363-5.000.
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Taft, Jeffrey D., 4,843,287, Cl. 318-568.160.
Taft, Jeffrey D.; Ellison, James F.; and Breakey, Gerald A., 4,849,679, Cl. 318-577.000.
Taleyarkhan, Rusi P., 4,818,478, Cl. 376-435.000.
Taylor, Owen S.; Repp, Jeffrey R.; and Brown, Donald W., 4,831,297, Cl. 310-87.000.
Tempco, Dale A., 4,878,639, Cl. 248-73.000.
Thiel, Peter H.; Mercier, George E.; and Pruett, Michael D., 4,813,116, Cl. 29-25.420.
Thomson, Ronald M.; and Taleyarkhan, Rusi P., 4,818,471, Cl. 376-254.000.
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Tolino, Ralph W., 4,819,524, Cl. 81-488.000.
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Twerdochlib, Michael, 4,833,453, Cl. 340-540.000.
Twerdochlib, Michael, 4,833,916, Cl. 73-168.000.
Twerdochlib, Michael, 4,833,931, Cl. 73-866.500.
Twerdochlib, Michael, 4,840,063, Cl. 73-203.000.
Twerdochlib, Michael, 4,859,076, Cl. 374-10.000.
Twerdochlib, Michael, 4,870,859, Cl. 73-203.000.
Twerdochlib, Michael, 4,875,373, Cl. 73-655.000.
Udren, Eric A., 4,841,405, Cl. 361-80.000.
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Van Nort, Alan D., 4,842,122, Cl. 198-335.000.
Verbanets, William R., 4,815,002, Cl. 364-484.000.
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Vitek, Robert F.; Holmes, Craig R.; and Edwards, Laura B., 4,845,634, Cl. 364-468.000.
Voshall, Roy E., 4,797,522, Cl. 200-144.00B.
Wakamiya, Stanley K.; Blake, Fred S.; and Kurtz, John O., 4,833,776, Cl. 29-837.000.
Walker, Christopher G., 4,803,434, Cl. 324-424.000.
Ward, Robert T.; and Butler, John M., 4,800,314, Cl. 310-260.000.
Ward, Robert T., 4,837,469, Cl. 310-53.000.
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Wilson, John F.; and Sherwood, Donald G., 4,832,899, Cl. 376-209.000.
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Worcester, Samuel A.; Woods, Charles R.; Galer, Glenn S.; and Propst, Richard L., 4,849,016, Cl. 75-10.260.
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  Critchlow, David N.; Avis, Graham M.; Earlam, Sandra J.; Johnson, Karle J.; Smetana, Bruce A.; Westling, Gregory L.; Paneth, Eric; and Yehushua, Moshe, 4,881,240, Cl. 375-15.000.
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  - Kettlety, Richard A.; and Peters, James P., Jr., 4,867,870, Cl. 210-139.000.
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  - Schilling, Peter; and Schreuders, Hans G., 4,806,166, Cl. 106-284.060.
  - Schilling, Peter; and Schreuders, Hans G., 4,810,299, Cl. 106-277.000.
  - Schilling, Peter; and Schreuders, Hans G., 4,859,245, Cl. 106-277.000.
  - Schilling, Peter, 4,859,362, Cl. 252-312.000.
  - Schilling, Peter, 4,861,377, Cl. 106-277.000.
  - Schilling, Peter; and Schreuders, Hans G., 4,877,457, Cl. 106-277.000.
  - Thompson, Robert H., 4,799,997, Cl. 162-255.000.
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  - Fuller, Mark; and Robinson, Alan S., 4,889,283, Cl. 239-11.000.
  - Fuller, Mark W.; and Robinson, Alan S., 4,852,801, Cl. 239-12.000.
  - Robinson, Alan S.; and Fuller, Mark W., 4,858,826, Cl. 239-18.000.
  - Robinson, Alan S.; and Fuller, Mark W., 4,872,611, Cl. 239-18.000.
- Wetch, Stephen B.; Goris, Gregory A.; and Krasnov, Igor, to Varco International, Inc. Alternate forms of, side drive drilling. 4,875,529, 10-24-89, Cl. 173-163.000.
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- Weterings, Cornelis A. M.; and Janssen, Johannes A., to Stamicarbon B.V. Process for the removal of heavy metals from acid, phosphate-containing, aqueous media. 4,822,582, 4-18-89, Cl. 423-321.00R.
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- Wetter, Jakob, to Ferag AG. Apparatus and method for stacking printed products, especially printed products arriving in an imbricated formation. 4,886,265, 12-12-89, Cl. 271-279.000.
- Wetterlin, Kjell I. L., to Aktiebolaget Draco. Dosage device. 4,805,811, 2-21-89, Cl. 222-337.000.
- Wettstein, Anton: *See—*
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- Wetty, W. Les. Tool handle with a rotatable cap. 4,846,042, 7-11-89, Cl. 81-490.000.
- Wetz, Hans-Henning. Removable in-shoe ankle brace. 4,821,743, 4-18-89, Cl. 128-893.000.
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- Wetzel, Robert E., to Dayco Products, Inc. Synchronous drive system and method of making the same. 4,840,606, 6-20-89, Cl. 474-153.000.
- Wetzel, Rolf; Coenen, Hubert; and Kreuch, Winfried, to Krupp-Koppers GmbH. Process for the working up of salvage oil. 4,797,198, 1-10-89, Cl. 208-181.000.
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- Wetzel, Walter, to Klockner Ferromatik Desma GmbH. Last for shoe shafts which has a generally T-shaped groove and a spring-biased generally T-shaped profile band therein. 4,817,305, 4-4-89, Cl. 12-133.00R.
- Weule, Hartmut; and Reichling, Bernhard, to Polytec Gesellschaft fur Analysen, Mess-& Regel- Technik mbH & Co. Machine component accuracy measuring system. 4,877,325, 10-31-89, Cl. 356-373.000.
- Wever, Albrecht, to Eastman Kodak Company. Continuous motion perforator. 4,854,203, 8-8-89, Cl. 83-321.000.
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  - Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., 4,867,783, Cl. 71-92.000.
- Wexler, Ethel. Protective cake cover and candle holder. 4,884,96 12-5-89, Cl. 431-295.000.
- Wexler, Howard, to Cap Toys Inc. Flower pot doll. 4,795,398, 1-3-89, Cl. 446-327.000.
- Wexler, Howard. Interactive baton and dumbbell type amusement device. 4,830,364, 5-16-89, Cl. 272-93.000.
- Wexler, Howard. Combination glove and slap ball. 4,836,555, 6-6-89, Cl. 273-330.000.
- Wexler, Ira M., to Environmental Elements Corp. Electrostatic dust collector system. 4,811,197, 3-7-89, Cl. 364-148.000.
- Wexler, Joel S.; and Bednarz, John J., to Cyborg Systems, Inc. Time clock system. 4,812,627, 3-14-89, Cl. 235-377.000.
- Wexler, Jonathan B., to Fire Research Pty., Limited. Composite fire stop device. 4,796,401, 1-10-89, Cl. 52-232.000.
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  - Ruge, Joachim; Wey, Edmund; and Gabald, Gregor, 4,843,808, Cl. 57-264.000.
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- Weyand, Harley P., Jr., to Firestone Tire & Rubber Company, The. Method and apparatus for transversely cutting strips of deformable material. 4,813,319, 3-21-89, Cl. 83-22.000.
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  - Weyel, Karl; Winn, Klaus; and Engelbach, Karl L., 4,811,508, Cl. 40-607.000.

- Weyer, Michael: *See—*
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- Weyer, Paul P. Fluid-power device with rollers. 4,838,103, 6-13-89, Cl. 74-89.150.
- Weyer, Paul P. Fluid-power device using axially offset rollers. 4,846,007, 7-11-89, Cl. 74-89.150.
- Weyer, Paul P. Rotary actuator with backlash elimination. 4,858,486, 8-22-89, Cl. 74-409.000.
- Weyer, Paul P. Fluid-powered impact device and tool therefor. 4,858,701, 8-22-89, Cl. 173-50.000.
- Weyer, Paul P. Fluid-power bearing actuator. 4,881,419, 11-21-89, Cl. 74-89.150.
- Weyer, Paul P. Dual-piston acuator. 4,882,979, 11-28-89, Cl. 92-33.000.
- Weyerhaeuser Company: *See—*
  - Allison, Kathleen S., 4,857,066, Cl. 604-385.100.
  - Floyd, Stanley L.; and Washburn, Steven L., 4,831,545, Cl. 364-507.000.
  - Gaddis, Paul G.; and Perdelwitz, Lee E., Jr., 4,882,213, Cl. 428-136.000.
  - Graef, Peter A., 4,853,086, Cl. 162-157.600.
  - Halley, David G., 4,848,607, Cl. 209-319.000.
  - Hasenwinkle, Earl D.; and Wislocker, Frank, 4,834,585, Cl. 405-286.000.
  - Johnson, Donald C.; Neogi, Amar N.; and LeBlanc, Henry A., 4,861,427, Cl. 162-129.000.
  - Johnson, Donald C.; and Neogi, Amar N., 4,863,565, Cl. 162-150.000.
  - O'Leary, Audrey A., 4,887,602, Cl. 604-305.100.
  - Perdelwitz, Lee E., Jr.; and Hanke, David E., 4,885,200, Cl. 428-136.000.
  - Perdelwitz, Lee E., Jr; Young, Robert H.; Iff, Ron H.; Hanke, David E.; Allison, Kathleen S.; Rahkonen, Raimo K.; and Neogi, Amar N., 4,886,697, Cl. 428-192.000.
  - Pierson, Paul R., 4,828,929, Cl. 428-542.800.
  - Rankin, Janice J.; and Pearson, Marilyn M., 4,883,701, Cl. 428-136.000.
  - Shearer, Dwayne M.; Beetham, Richard C.; Beall, Frank C.; and Rodgers, John M., 4,856,334, Cl. 73-588.000.
  - Soderlund, John D.; and Nishiura, Fumitaka, 4,854,985, Cl. 156-85.000.
  - Tiedeman, George T.; Park, David W.; and Young, Robert H., 4,828,890, Cl. 428-22.000.
  - Tiedeman, George T.; and Gess, Jerome M., 4,857,149, Cl. 162-158.000.
  - Wislocker, Frank; and Blickenderfer, Charles, 4,881,584, Cl. 144-39.000.
- Weyermanns, Gunther: *See—*
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- Weyl, Helmut: *See—*
  - Bayha, Kurt; and Weyl, Helmut, 4,818,363, Cl. 204-426.000.
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- Weyler, Michael E., to Exxon Production Research Company. Load-transfer system for mating an integrated deck with an offshore platform substructure. 4,848,967, 7-18-89, Cl. 405-204.000.
- Weymeels, Luc: *See—*
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- Weyrich, Robert H.: *See—*
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- Wezel, Heinz: *See—*
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  - Michel, John M.; and Kline, James P., 4,850,346, Cl. 128-206.150.
- Whalen, Brian L. Multistate differential transmission. 4,833,942, 5-30-89, Cl. 74-682.000.
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- Whalen, David: *See—*
  - Grant, Thomas S.; Jalbert, Ronald L.; and Whalen, David, 4,798,865, Cl. 525-92.000.
- Whalen, Joseph W.; Swartz, Gregory L.; Rheaume, Lisa J.; and McCoy, Karen M., to Dow Chemical Company, The. Antibiotic A26201-1 and antibiotic A26201-2 produced by a novel strain of actinoplanes. 4,859,599, 8-22-89, Cl. 435-252.600.
- Whalen, Philip J.; Reidinger, Franz; and Antrim, Robert, to Allied-Signal Inc. Method for preventing low-temperature degradation of tetragonal zirconia containing materials. 4,853,353, 8-1-89, Cl. 501-103.000.
- Whalen, Robert: *See—*
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- Whaley, Mark A. Convertible game carrying case. 4,875,688, 10-24-89, Cl. 273-285.000.
- Whaley, Ralph D.: *See—*
  - Byram, David C.; Teiken, Gerald W.; and Whaley, Ralph D., 4,834,083, Cl. 128-200.230.
- Whalley, Peter D.: *See—*
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- Whang, Keum C., to Gold Star Instrument & Electric Co., Ltd. Elastic surface wave device. 4,810,921, 3-7-89, Cl. 310-313.00R.
- Whang, Seongtae: *See—*
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- Whann, Welton B.; and Elizondo, Paul M., to Micro-Probe, Inc. High density probe card. 4,837,622, 6-6-89, Cl. 324-158.00P.
- Wharff, Charles R. Non-dedicated pallet assembly for wave soldering packaged integrated circuits. 4,871,106, 10-3-89, Cl. 228-47.000.
- Wharry, Donald L.: *See—*
  - Leach, Bruce E.; Shannon, Mark L.; and Wharry, Donald L., 4,835,321, Cl. 568-618.000.
- Wharton, Ronald: *See—*
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- Whatmore, Roger W.; Munns, Andrew G.; and Lane, David W., to Plessey Overseas Limited. Method of making piezoelectric composites. 4,876,776, 10-31-89, Cl. 29-25.350.
- Whatmore, Roger W.: *See—*
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  - Osbond, Paul C.; Oswald, Catherine S.; and Whatmore, Roger W., 4,869,840, Cl. 252-62.900.
- Whatnot, Inc.: *See—*
  - Wilkinson, William T., 4,838,542, Cl. 272-67.000.
- Wheat, Lawrence M., to Boeing Company, The. Electrical power transfer system for aircraft passenger entertainment system. 4,853,555, 8-1-89, Cl. 307-9.100.
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  - Economy, James; Susko, John R.; Volksen, Willi; and Wheater, Robin A., 4,818,812, Cl. 528-176.000.
- Wheatley, Glenver M.: *See—*
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- Wheatley, John C.; Swift, Gregory W.; Migliori, Albert; and Hofler, Thomas J., to United States of America, Energy. Heat-driven acoustic cooling engine having no moving parts. 4,858,441, 8-22-89, Cl. 62-6.000.
- Wheatley, Margaret A.: *See—*
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- Wheatley, Maurice S., Jr.; and Slayton, Danny L., to Colorocs Corporation. Method and apparatus for registration control in an electrophotographic print engine. 4,847,660, 7-11-89, Cl. 355-244.000.
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- Wheatley Pump and Valve, Inc.: *See—*
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- Wheelabrator Air Pollution Control, Inc.: *See—*
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- Wheeland, Chris L.; and MacPhail, Guilford R., to Litton Systems, Inc. High gain miniature crossed-field amplifier. 4,831,335, 5-16-89, Cl. 330-47.000.
- Wheeland, Chris L.: *See—*
  - MacPhail, Guilford R.; Wheeland, Chris L.; and Doyle, Edward M., 4,814,720, Cl. 330-47.000.
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  - Sikes, C. Steven; and Wheeler, A. P., 4,868,287, Cl. 530-324.000.
- Wheeler, Basil W. Vehicle warning system. 4,884,523, 12-5-89, Cl. 116-3.000.
- Wheeler, Bob L.: *See—*
  - Williams, Roger M.; Bankston, Clyde P.; Cole, Terry; Khanna, Satish K.; Jeffries-Nakamura, Barbara; and Wheeler, Bob L., 4,820,596, Cl. 429-50.000.
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Wheeler, Charles F. Beam chair. 4,803,825, 2-14-89, Cl. 52-677.000.

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Wheeler, Dale K., to Black & Decker Inc. Streamlined production of electric motor armatures and stators. 4,815,673, 3-28-89, Cl. 242-7.090.

Wheeler, Dale K.; and Coleman, Charles W., to Black & Decker Inc. Keyless chuck. 4,848,779, 7-18-89, Cl. 279-60.000.

Wheeler, Dale K., to Black & Decker Inc. Stator end member and assemblies therewith and methods of assembly. 4,885,496, 12-5-89, Cl. 310-254.000.

Wheeler, Daryl, to Haben Corporation Ltd. Puller assembly. 4,852,234, 8-1-89, Cl. 29-261.000.

Wheeler, Donald R., to Stauffer Chemical Company. Treatment of toxicant-impregnated filter cake. 4,820,325, 4-11-89, Cl. 65-27.000.

Wheeler, Edward L.; and Franko, Robert J., to Uniroyal Chemical Company, Inc. Stabilized fat compositions. 4,839,188, 6-13-89, Cl. 426-545.000.

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Wheeler, Jack L. Method of coastal erosion control using massive sea block system. 4,820,079, 4-11-89, Cl. 405-23.000.

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Wheeler, Roger R.; and Martin, John R., to Martin Automatic, Inc. Improved machine for lifting and loading web rolls. 4,856,960, 8-15-89, Cl. 414-684.000.

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Wheeler, Ronald M.; and Germy, Joseph A., Jr. Protective hospital gown. 4,845,779, 7-11-89, Cl. 2-84.000.

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Wassilak, Chester W.; and Conrad, Richard J., 4,821,535, Cl. 68-3.00R.

Welch, Raymond L., 4,886,046, Cl. 126-299.00D.

Williams, Robert P.; and Holling, Ronald W., 4,852,544, Cl. 126-39.0BA.

Whirpool Corporation: *See*—

Dall, Larry N., 4,857,707, Cl. 219-375.000.

Whisco Component Engineering, Inc.: *See*—

White, Wayne, 4,872,017, Cl. 343-715.000.

Whissell, Gilles. Compaction device for concrete block molding machine. 4,802,836, 2-7-89, Cl. 425-253.000.

Whistance, Bruce E.: *See*—

Callahan, Robert M.; Fiore, Anthony M.; Flickinger, Edward C.; Hempel, Bruce C.; and Whistance, Bruce E., 4,847,605, Cl. 340-709.000.

Whister, S. Arthur, to S.B. Whistler & Sons, Inc. Punch and die system. 4,843,931, 7-4-89, Cl. 83-138.000.

Whistler, Stephen J.: *See*—

Baker, Ross G., Jr.; Whistler, Stephen J.; Ideker, Raymond E.; Calfee, Richard V.; and Haluska, Edward A., 4,821,723, Cl. 128-419.00D.

Baker, Ross G., Jr.; Calfee, Richard V.; Haluska, Edward A.; and Whistler, Stephen J., 4,880,004, Cl. 128-419.0PG.

Haluska, Edward A.; Whistler, Stephen J.; Baker, Ross G., Jr.; and Calfee, Richard V., 4,830,006, Cl. 128-419.0PG.

Whitacre-Greer Fireproofing Company, The: *See*—

Morrison, Lynn A., 4,809,946, Cl. 249-197.000.

Whitaker, Charles F., to Reynolds Metals Company. Conveying system. 4,883,166, 11-28-89, Cl. 198-688.100.

Whitaker, Charles N.; and Zimmermann, Richard E. Cyclic control stick. 4,811,921, 3-14-89, Cl. 244-234.000.

Whitaker, Harold M., Jr., to PACCAR Inc. Windshield assembly and method. 4,846,523, 7-11-89, Cl. 296-93.000.

Whitaker, John B., Jr., to Kershaw Manufacturing Company, Inc. Compaction tamper. 4,843,967, 7-4-89, Cl. 104-12.000.

Whitaker, John B., Jr., to Kershaw Manufacturing Co., Inc. Adzer cribber. 4,848,426, 7-18-89, Cl. 144-133.00B.

Whitaker, John B., Jr., to Kershaw Manufacturing Co., Inc. Ballast removal apparatus. 4,850,123, 7-25-89, Cl. 37-104.000.

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Whitaker, Kerry W.: *See*—

Hambrick, Paul R.; Wagner, Martin; and Whitaker, Kerry W., 4,812,985, Cl. 364-478.000.

Whitaker, R. John, to Prince Edward Island Development Agency. Separation of carrageenan containing sea plants. 4,816,573, 3-28-89, Cl. 536-128.000.

Whitaker, Ross C.; and Edwards, Richard E. Universal package holder. 4,824,042, 4-25-89, Cl. 242-130.000.

Whitaker, Stephen: *See*—

Iversen, Arthur H.; and Whitaker, Stephen, 4,799,543, Cl. 165-135.000.

Whitaker, T. Mark: *See*—

Rak, Thomas A.; and Whitaker, T. Mark, 4,888,996, Cl. 73-862.190.

Whitaker, Willie D., to United States of America, National Aeronautics and Space Administration. Space module assembly apparatus with docking alignment flexibility and restraint. 4,809,936, 3-7-89, Cl. 244-161.000.

Whitbread, Hugh: *See*—

Willis, Alan R.; Bruce, Ian P. C.; Gibson, David L.; and Whitbread, Hugh, 4,849,966, Cl. 370-85.000.

Whitby, Michael A.: *See*—

Gaccetta, Joseph M.; Bowling, Kinred; Trouteaud, Lee E.; and Whitby, Michael A., 4,805,373, Cl. 53-77.000.

Whitcher, Stanley L.: *See*—

Stone, Earl L., III; Foster, James C.; and Whitcher, Stanley L., 4,862,763, Cl. 74-572.000.

Whitcomb, David R.; and Bjork, Jon A., to Minnesota Mining and Manufacturing Company. Thermal imaging material. 4,808,565, 2-28-89, Cl. 503-211.000.

Whitcomb, David R., to Minnesota Mining and Manufacturing Company. Positive-acting thermographic materials. 4,829,046, 5-9-89, Cl. 503-211.000.

Whitcomb, Valerie J. Clip apparatus. 4,864,699, 9-12-89, Cl. 24-499.000.

White, Alan C.; Cliffe, Ian A.; and Todd, Richard S., to John Wyeth & Brother Ltd. Hypoglycemic 2′,3′,10′-tetrahydro-10′-hydroxy-10′-substituted-spiro[cycloakane-1,3′-pyrimido(1,2-a)indole]deratives. 4,803,207. 2-7-89, Cl. 514-267.000.

White, Alan V., to Compaq Computer Corporation. High-efficiency DC-to-DC power supply with synchronous rectification. 4,870,555, 9-26-89, Cl. 363-21.000.

White, Alan W., to Eastman Kodak Company. Novel diethanolamine triacetic acid triamides and methods for improving feed utilization and lactation in ruminant animals. 4,800,213, 1-24-89, Cl. 514-616.000.

White, Alan W., to Eastman Kodak Company. Methods for improving feed utilization and lactation in ruminant animals. 4,801,618, 1-31-89, Cl. 514-616.000.

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White, Alfred J.: *See*—

Zaveri, Narendra R.; Ty, Henry; and White, Alfred J., 4,865,250, Cl. 236-93.00R.

White, Alice E.: *See*—

Dynes, Robert C.; Short, Kenneth T.; and White, Alice E., 4,816,421, Cl. 437-26.000.

White, Arnold J.: *See*—

Abraham, Thomas E.; Malfait, Jacque L.; and White, Arnold J., 4,857,348, Cl. 426-462.000.

White, Barbara J.: *See*—

Bobb, Lloyd C.; White, Barbara J.; and Davis, Jon P., 4,859,059, Cl. 356-345.000.

White, Beverly M., to Colloids, Inc. Process for internally strengthening paper and board products and products resulting therefrom. 4,865,691, 9-12-89, Cl. 162-168.100.

White, Billy P.; and Morrison, Dwayne E., to Bell Helicopter Textron Inc. Tail rotor. 4,881,874, 11-21-89, Cl. 416-138.000.

White, Billy W.: *See*—

Anderson, Terry O.; Richardson, J. M.; Penn, Jack C.; Lynch, Michael J.; White, Billy W.; Forehand, Gilbert H.; Duncan, Richard L.; Van Berg, Charles F., Jr.; Tilghman, Stephen E.; Dant, Ronald E.; and Donaghe, Charles D., 4,866,607, Cl. 364-422.000.

Dennis, John R.; and White, Billy W., 4,817,437, Cl. 73-756.000.

White, Bruce L.; and Clark, Stanley R., to Hesston Corporation. Round baler having simulated bale size and shape indicator. 4,850,271, 7-25-89, Cl. 100-88.000.

White, C. Douglas: *See*—

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,875,662, Cl. 266-44.000.

Head, James D.; Burns, Edward F.; Schleizer, William A.; White, C. Douglas; and Gentry, Dennis L., 4,880,211, Cl. 266-44.000.

White Cap Dental Company, Inc.: *See*—

Burgess, Lester E.; and Capista, Joe J., Jr., 4,801,367, Cl. 204-224.00M.

- White, Charles J. Boat lift. 4,808,028, 2-28-89, Cl. 405-3.000.
- White, Charles R. Protective cover for floor treating machine. 4,831,682, 5-23-89, Cl. 15-325.000.
- White, Charles R., to General Motors Corporation. Viscous clutch for engine cooling fan. 4,874,071, 10-17-89, Cl. 192-58.00B.
- White, Claude C., to Birmingham Bolt Company, Inc. Portable tool for bending roof bolts for insertion in mine roof openings. 4,876,877, 10-31-89, Cl. 72-388.000.
- White Consolidated Industries, Inc.: *See—*
  - Batts, Graham W., 4,801,911, Cl. 335-289.000.
  - Bolton, Albert M., Jr., 4,846,123, Cl. 123-192.00B.
  - Collins, Imack, 4,823,465, Cl. 30-276.000.
  - Collins, Imack L.; Stuart, Jerry E.; and Foster, Gary H., 4,835,867, Cl. 30-276.000.
  - Driggers, Bernard M., 4,798,185, Cl. 123-400.000.
  - Driggers, Bernard M., 4,819,742, Cl. 173-162.200.
  - Driggers, Bernard M., 4,825,548, Cl. 30-276.000.
  - Foster, Gary H., 4,852,258, Cl. 30-276.000.
  - Hayes, William R.; and Shea, Allan K., 4,796,857, Cl. 251-173.000.
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,826,010, Cl. 220-467.000.
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,826,040, Cl. 220-467.000.
  - Jahr, Richard T., Jr.; and Holt, Marcus N., 4,870,735, Cl. 29-157.30C.
  - Muyskens, David B., 4,811,840, Cl. 206-320.000.
  - O'Connell, Philip J.; and Rummel, Raymond W., 4,848,105, Cl. 68-18.00F.
  - Price, Daniel R., 4,801,114, Cl. 248-188.300.
  - Sauber, R. Stuart; and Horvath, Paul J., 4,800,734, Cl. 62-263.000.
  - Tuggle, Lloyd H.; and Sadler, Jeffery G., 4,841,929, Cl. 123-198.00E.
  - Williams, Loren E., 4,823,366, Cl. 377-2.000.
  - Zalewski, Gerald F., 4,813,384, Cl. 122-379.000.
- White, Craig E.; and Hodge, Bobby L., to INA Bearing Company, Inc. Linear needle roller bearing. 4,840,600, 6-20-89, Cl. 464-111.000.
- White, Craig W.: *See—*
  - Musser, Kevin E.; and White, Craig W., 4,851,705, Cl. 307-10.100.
- White, Danny R.; Urquhart, Andrew W.; Aghajanian, Michael K.; and Creber, Dave K., to Lanxide Technology Company, LP. Metal matrix composites. 4,828,008, 5-9-89, Cl. 164-66.100.
- White, Danny R.; and Aghajanian, Michael K., to Lanxide Technology Company, LP. Method of making ceramic articles having channels therein and articles made thereby. 4,847,025, 7-11-89, Cl. 501-87.000.
- White, Danny R.: *See—*
  - Claar, Terry D.; Mason, Steven M.; Pochopien, Kevin P.; White, Danny R.; and Johnson, William B., 4,885,130, Cl. 419-12.000.
  - Kanter, Robert C.; Rocazella, Michael A.; Weinstein, Jerry G.; and White, Danny R., 4,818,734, Cl. 501-128.000.
  - Kennedy, Christopher R.; Urquhart, Andrew W.; White, Danny R.; and Newkirk, Marc S., 4,882,306, Cl. 501-87.000.
  - Lesher, H. Daniel; Kennedy, Christopher R.; White, Danny R.; and Urquhart, Andrew W., 4,847,220, Cl. 501-89.000.
  - Newkirk, Marc S.; White, Danny R.; and Dwivedi, Ratnesh K., 4,833,110, Cl. 501-128.000.
- White, David A.; and Taylor, John M., to British Nuclear Fuels plc. Separation of matter by floatation. 4,830,738, 5-16-89, Cl. 209-166.000.
- White, David A.; Hofrichter, James W.; and VanDuser, Harold J., to Grumman Allied Industries, Inc. Seat with three point user restraint. 4,889,389, 12-26-89, Cl. 297-468.000.
- White, David A.: *See—*
  - McGregor, Gordon L.; and White, David A., 4,808,381, Cl. 422-100.000.
- White, David H.: *See—*
  - Dean, Richard T.; Lin, Youlin; Weber, Robert W.; and White, David H., 4,826,673, Cl. 424-9.000.
- White, David W.; Muncy, Donald G.; and Schoenig, Frederick C., Jr., to General Electric Company. Method of manufacturing nuclear fuel bundle spacers. 4,869,865, 9-26-89, Cl. 376-260.000.
- White, Donald H., Jr.; and Verrando, Marcel G., to Pall Corporation. Sorbing apparatus. 4,830,641, 5-16-89, Cl. 55-161.000.
- White, Donald H., Jr.: *See—*
  - Christel, Conrad, Jr.; and White, Donald H., Jr., 4,832,711, Cl. 55-20.000.
- White, Donald L., to Creative Light & Sound Corporation. Safety latch. 4,842,311, 6-27-89, Cl. 292-85.000.
- White, Donald R.: *See—*
  - Gouldy, Thomas E.; Knoll, William C.; Ritter, Ernest R., deceased; Lynch, Thomas M.; Steffey, Ronald E.; White, Donald R.; and Brown, Robert E., 4,802,859, Cl. 439-74.000.
- White, Dorsey E., III; Updike, Benjamin T., deceased (by Updike, Barbara G., legal representative); and Allred, Johnny W., to United States of America, National Aeronautics and Space Administration. Quick actuating closure. 4,823,976, 4-25-89, Cl. 220-211.000.
- White, Douglas A.: *See—*
  - Anders, Frank W.; Herring, Joseph C.; and White, Douglas A., 4,827,395, Cl. 364-138.000.
  - Fox, Joseph R.; and White, Douglas A., 4,818,732, Cl. 501-81.000.
- White, Dwain M.; and Socha, Laura A., to General Electric Company. Anhydride capping polyphenylene ether with carboxylic acid. 4,806,602, 2-21-89, Cl. 525-397.000.
- White, Dwain M.; and Socha, Laura A., to General Electric Company. Method for preparing polysalicylates. 4,855,483, 8-8-89, Cl. 560-66.000.
- White, Dwain M.: *See—*
  - Shea, Timothy J.; Campbell, John R.; White, Dwain M.; and Socha, Laura A., 4,814,392, Cl. 525-391.000.
  - Yates, John B., III; and White, Dwain M., 4,859,739, Cl. 525-92.000.
  - Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., 4,863,984, Cl. 524-157.000.
- White, Earl R., to Utah Power & Light. Methods and apparatus for rock dusting mine tunnels. 4,805,702, 2-21-89, Cl. 169-64.000.
- White Engineering Corporation: *See—*
  - White, Gerald W., 4,826,365, Cl. 408-144.000.
- White, Eugene F.: *See—*
  - White, Frances H.; and White, Eugene F., 4,848,078, Cl. 57-352.000.
- White, Eugene M. Thermal insulating expanded silicate-hydrate product and method of forming. 4,801,563, 1-31-89, Cl. 501-85.000.
- White, Eugene W., to Interpore International. Calcium phosphate bone substitute materials. 4,861,733, 8-29-89, Cl. 501-1.000.
- White, Frances H.; and White, Eugene F. Flyer for textile apparatus. 4,848,078, 7-18-89, Cl. 57-352.000.
- White, Francis E. Massaging bed. 4,886,051, 12-12-89, Cl. 128-52.000.
- White, Francis R.: *See—*
  - Kerbaugh, Michael L.; Koburger, Charles W., III; Lasky, Jerome B.; Parries, Paul C.; and White, Francis R., 4,799,990, Cl. 156-636.000.
- White, Frederick R.; and Bolles, Roy E. Power infuser. 4,874,359, 10-17-89, Cl. 604-4.000.
- White, George: *See—*
  - Montgomery, James R.; Figueroa, John A.; and White, George, 4,797,544, Cl. 250-221.000.
- White, Gerald W., to White Engineering Corporation. Material-working tools and method for lubricating. 4,826,365, 5-2-89, Cl. 408-144.000.
- White, Gorman W., Sr., to Consolidated Engineering and Manufacturing Corp. Ticket issuing machine. 4,827,841, 5-9-89, Cl. 101-66.000.
- White, Gregory S.; and Erickson, William E., to Deere & Company. Breakaway mechanism for a row marker. 4,825,957, 5-2-89, Cl. 172-126.000.
- White, Grover W. Detachable protective cover for a firearm. 4,858,361, 8-22-89, Cl. 42-96.000.
- White, Harold J.; House, Richard M.; and Vaughn, Worsel, to Thornhill Glass & Mirror Inc. Glazing assembly and method for glazing a building. 4,803,817, 2-14-89, Cl. 52-235.000.
- White, Harold R., to Alar Engineering Corporation. Water treatment system. 4,839,057, 6-13-89, Cl. 210-667.000.
- White, Harry H.; and Ligensa, Karl, to Keiper Recaro Incorporated. Ratchet seat recliner with remote release. 4,872,726, 10-10-89, Cl. 297-367.000.
- White, Harry O. Fluorescent writing surface. 4,844,990, 7-4-89, Cl. 428-690.000.
- White, Helen M.: *See—*
  - Woodson, Jeffrey B.; Cooper, Lance A.; White, Helen M.; and Fischer, Gordon C., 4,808,235, Cl. 134-22.190.
- White, Henry J.; and Stace, Christopher, to British Aerospace Public Limited Company. Imaging systems for maintaining constant the intensity of an output image. 4,872,742, 10-10-89, Cl. 350-348.000.
- White, Hollis N., Jr. Hydrostatic steering device having the control valve within the rotor. 4,818,200, 4-4-89, Cl. 418-61.300.
- White, Hollis N., Jr. Hydrostatic steering device. 4,858,714, 8-22-89, Cl. 180-148.000.
- White, Hollis N., Jr. Cutaway rotor gerotor device. 4,859,160, 8-22-89, Cl. 418-61.300.
- White, Hollis N., Jr. Rotary gerotor hydraulic device with fluid control passageways through the rotor. 4,872,819, 10-10-89, Cl. 418-61.300.
- White, Hollis N., Jr. Staggered rotor gerotor device. 4,875,841, 10-24-89, Cl. 418-60.000.
- White, Hollis N., Jr. Device having a sealed control opening and an orbiting valve. 4,877,383, 10-31-89, Cl. 418-61.300.
- White, Homer S., to Myrick-White, Inc. Sliver measuring apparatus. 4,823,597, 4-25-89, Cl. 73-160.000.
- White, I. M., to Outboard Marine Corporation. Detented slide control assembly. 4,850,240, 7-25-89, Cl. 74-500.500.
- White, Ian G.: *See—*
  - Blackburn, Arthur M.; O'Neill, Robert A.; Foster, Terence J. C.; and White, Ian G., 4,829,280, Cl. 337-299.000.
- White, Ian H.; Linton, Richard S.; and Carroll, John E., to British Telecommunications public limited company. Opto-electronic directional switch. 4,809,290, 2-28-89, Cl. 372-44.000.
- White, Jack C.: *See—*
  - Su, Kai C.; and White, Jack C., 4,889,693, Cl. 422-113.000.
- White, James E., to Schlumberger Well Services. Low frequency sonic logging. 4,852,067, 7-25-89, Cl. 367-31.000.
- White, James E., to Cummins Engine Company, Inc. Pressure relief valve for roller bit. 4,865,136, 9-12-89, Cl. 175-227.000.
- White, James F.; and Hsiung, Thomas H., to Air Products and Chemicals, Inc. Activation of methanol/low temperature shift catalysts using soluble organo-metallic reducing agents. 4,829,039, 5-9-89, Cl. 502-152.00
- White, James J. Flying insect control unit using lights and adhesives. 4,876,822, 10-31-89, Cl. 43-113.000.
- White, James P. Bicycle handle bar grip with exerciser. 4,798,377, 1-17-89, Cl. 272-67.000.
- White, James W. Uniform flying height slider assembly with improved dynamic air bearing characteristics. 4,870,519, 9-26-89, Cl. 360-103.000.

- White, James W.: *See—*
  - Taylor, Richard G.; and White, James W., 4,843,137, Cl. 528-10.000.
- White, Janet C.: *See—*
  - Archibald, John L.; Ward, Terence J.; and White, Janet C., 4,801,595, Cl. 514-314.000.
  - Archibald, John L.; Ward, Terence J.; and White, Janet C., 4,866,075, Cl. 514-307.000.
- White, Jay E.; and White, Jay R. Sun visor frame and mounting structure. 4,858,983, 8-22-89, Cl. 296-97.130.
- White, Jay R.: *See—*
  - White, Jay E.; and White, Jay R., 4,858,983, Cl. 296-97.130.
- White, Jeffery L.: *See—*
  - Widmer, Steven L.; Schrage, Robin J.; White, Jeffery L.; and Gundert, John H., 4,845,945, Cl. 60-310.000.
- White, Jeffrey A.; Tolledi, Bruno; Ringer, T. Rayman; and Arkuszewski, Andrzej. Valve assembly. 4,842,018, 6-27-89, Cl. 137-614.110.
- White, Jeffrey O.: *See—*
  - Rockwell, David A.; Mangir, Metin S.; White, Jeffrey O.; and Jones, Dennis C., 4,880,295, Cl. 350-354.000.
- White, Jerry E.; Tung, Lu Ho; and Dehnke, Mary K., to Dow Chemical Company, The. Photolytically crosslinkable thermally stable composition. 4,851,454, 7-25-89, Cl. 522-117.000.
- White, John: *See—*
  - Murray, Richard A.; White, John; and Branner, George K., 4,843,406, Cl. 346-1.100
  - Waters, Herman H.; and White, John, 4,802,553, Cl. 182-222.000.
- White, John C.: *See—*
  - Benjamin, John D.; Mears, Adrian L.; and White, John C., 4,808,983, Cl. 340-719.000.
- White, John F.; and Pollard, Michael R., to Arco Chemical Technology, Inc. Non-digestible fat substitutes of low-caloric value. 4,861,613, 8-29-89, Cl. 426-611.000.
- White, John K., to Westinghouse Electric Corp. Eddy current apparatus including cylindrical coil with flux concentrator for high resolution detection of flaws in conductive objects. 4,806,863, 2-21-89, Cl. 324-238.000.
- White, John M.: *See—*
  - Chang, Mei; Wang, David N. K.; White, John M.; and Maydan, Dan, 4,854,263, Cl. 118-715.000.
  - Cheng, David; Maydan, Dan; Somekh, Sasson; Stalder, Kenneth R.; Andrews, Dana L.; Chang, Mei; White, John M.; Wong, Jerry Y. K.; Zeitlin, Vladimir J.; and Wang, David N., 4,842,683, Cl. 156-345.000.
  - Wang, David N.; White, John M.; Law, Kam S.; Leung, Cissy; Umotoy, Salvador P.; Collins, Kenneth S.; Adamik, John A.; Perlov, Ilva; and Maydan, Dan, 4,872,947, Cl. 156-643.000.
- White, John R.: *See—*
  - Lovell, John A.; Medved, Gary E.; and White, John R., 4,859,272, Cl. 156-415.000.
- White, Jonathan R., to Norand Corporation. Bar code reader with enhanced sensitivity. 4,882,476, 11-21-89, Cl. 235-462.000.
- White, Jonathan R.: *See—*
  - Miller, Phillip; Shindley, Richard P.; Feltz, Kristi T.; Hanson, George E.; and White, Jonathan R., 4,882,475, Cl. 235-383.000.
- White, Kenneth A.: *See—*
  - Sharpless, John; Knobbe, Alan J.; White, Kenneth A.; and Crum, Gerald W., 4,819,879, Cl. 239-691.000.
- White, Kenneth W.; Dominguez, Luis M.; and McConnell, Bain C., to R. J. Reynolds Tobacco Company. Method and apparatus for detecting the deposition of an adhesive on a travelling web. 4,845,374, 7-4-89, Cl. 250-560.000.
- White, Kevin M.; and Beck, Harold K., to Halliburton Company. Tubing conveyed sampler. 4,856,585, 8-15-89, Cl. 166-250.000.
- White, Kevin R.; and Gilmore, Danny R. Writing implement having built-in paper dispenser. 4,812,069, 3-14-89, Cl. 401-195.000.
- White, L. C.: *See—*
  - McKee, John R.; and White, L. C., 4,804,188, Cl. 273-167.00R.
- White, Lawrence K.; and Brown, Richard, to General Electric Company. Treatment of planarizing layer in multilayer electron beam resist. 4,810,617, 3-7-89, Cl. 430-272.000.
- White, Lee A., to Ranco Incorporated. Demand defrost control method and apparatus. 4,882,908, 11-28-89, Cl. 62-155.000.
- White, Lionel S., Jr.; Neal, Joseph H.; and Tran, Bao G., to Texas Instruments Incorporated. High speed concurrent testing of dynamic read/write memory array. 4,868,823, 9-19-89, Cl. 371-21.300.
- White, Lisa G. Sleeve protector. 4,843,645, 7-4-89, Cl. 2-59.000.
- White, Mark L.: *See—*
  - Johanson, Niles W.; Saeger, James C.; and White, Mark L., 4,883,115, Cl. 165-1.000.
- White, Marvin S., Jr.: *See—*
  - Honey, Stanley K.; Zavoli, Walter B.; Milnes, Kenneth A.; Phillips, Alan C.; White, Marvin S., Jr.; and Loughmiller, George E., Jr., 4,796,191, Cl. 364-450.000.
- White, Mary A., to Chevron Research Company. Process for the oligomerization of alpha olefins and catalyst therefor. 4,870,041, 9-26-89, Cl. 502-113.000.
- White, Mary N.: *See—*
  - White, Warren D.; Puckett, Paul M.; Blankenship, Larry T.; and White, Mary N., 4,824,500, Cl. 156-94.000.
- White, Melvyn S.: *See—*
  - Johnston, James S.; Pownall, David W.; and White, Melvyn S., 4,821,566, Cl. 73-178.00R.
- White, Michael G. Portable liquid level gauge. 4,819,484, 4-11-89, Cl. 73-321.000.
- White, Michael T.: *See—*
  - Kabadi, Ashok N.; Turner, Leonard O.; and White, Michael T., 4,798,918, Cl. 174-36.000.
- White, Ordie S. Game apparatus and method of playing a game using the same. 4,880,242, 11-14-89, Cl. 273-336.000.
- White, Pamela S.; and White, Phillip S. Sign language blocks. 4,846,687, 7-11-89, Cl. 434-112.000.
- White, Pat M.: *See—*
  - Ross, Colby M.; and White, Pat M., 4,834,175, Cl. 166-120.000.
  - Ross, Colby M.; and White, Pat M., 4,844,154, Cl. 166-139.000.
- White, Paul D., Jr.: *See—*
  - Sipos, David L.; Kuske, Duane M.; and White, Paul D., Jr., 4,842,058, Cl. 166-77.000.
- White, Paul S.; and Eaton, Michael D., to GKN Crompton Limited. Hinge for roof window. 4,796,331, 1-10-89, Cl. 16-324.000.
- White, Paul W.: *See—*
  - Park, John J.; White, Paul W.; and Richardson, Calvin, 4,880,689, Cl. 428-143.000.
- White, Peter; Street, Ronald A.; Greaves, Christopher I.; and Harrison, Gordon, to Du Pont U.K. Ltd. Method of manufacturing heat-weldable thermoplastic fittings. 4,825,534, 5-2-89, Cl. 29-611.000.
- White, Philip J.; and Goodman, David A., to GTE Products Corporation. High pressure sodium vapor discharge device. 4,806,826, 2-21-89, Cl. 313-631.000.
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- White, Phillip S.: *See—*
  - White, Pamela S.; and White, Phillip S., 4,846,687, Cl. 434-112.000.
- White, Ralph L., Jr.; and Ellis, Keith O., to Norwich Eaton Pharmaceuticals, Inc. Use of azumolene for the treatment of malignant hyperthermia. 4,861,790, 8-29-89, Cl. 514-374.000.
- White, Randall A., to Digital Equipment Corporation. D.C. power monitor. 4,797,608, 1-10-89, Cl. 324-96.000.
- White, Randall A., to Digital Equipment Corporation. Tri-state function indicator. 4,837,565, 6-6-89, Cl. 340-762.000.
- White, Randall A.: *See—*
  - Newman, Bruce E.; White, Randall A.; and DiPirro, Steven D., 4,860,292, Cl. 371-32.000.
- White, Richard E.: *See—*
  - Hibbard, Billy B.; Mann, Joe A.; Koeleveld, Frans P. P.; Potepan, Agnes K.; White, Richard E.; Knight, Barry T.; and Bryant, Howard H., 4,837,281, Cl. 525-234.000.
- White, Richard J.: *See—*
  - Bowser, Paul A.; and White, Richard J., 4,824,865, Cl. 514-558.000.
- White, Richard L., to V. E. Holding Corporation. Anaerobic pasteurizing conditioning system. 4,833,793, 5-30-89, Cl. 34-22.000.
- White, Richard L., administrator: *See—*
  - Markusch, Peter; and Hudson, George A., deceased, 4,855,490, Cl. 560-355.000.
- White, Robert: *See—*
  - Packham, Charles C.; White, Robert; and Rogers, Steven, 4,797,997, Cl. 30-43.920.
- White, Robert C., to Sunstrand Corporation. Direct drive motorized acutator control for bleed valves. 4,794,760, 1-3-89, Cl. 60-39.070.
- White, Robert C., to Sundstrand Corporation. Electrically driven fuel pump for gas turbine engines. 4,815,278, 3-28-89, Cl. 60-39.281.
- White, Robert C., to Sundstrand Corp. Constant spark energy, inductive discharge ignition system. 4,829,973, 5-16-89, Cl. 123-609.000.
- White, Robert C., to Sundstrand Corp. Constant spark rate ignition exciter. 4,833,369, 5-23-89, Cl. 315-209.00T.
- White, Robert C., to Sundstrand Corp. Advanced feed forward switch mode power suppply control. 4,835,454, 5-30-89, Cl. 323-222.000.
- White, Robert D.: *See—*
  - Maxwell, Ray F.; and White, Robert D., 4,882,765, Cl. 455-18.000.
- White, Robert L.; Highton, Frederick J.; Ito, Kazuo; and Miller, Gary L., to Burr-Brown Corporation. CMOS digital-to-analog converter circuitry. 4,800,365, 1-24-89, Cl. 341-119.000.
- White, Robert L.: *See—*
  - Ehrman, Albert M.; Seiden, Paul; Weitzel, Rose M.; and White, Robert L., 4,888,196, Cl. 426-601.000.
- White, Robert M.: *See—*
  - Welch, Robert J.; Kolvites, Albert; and White, Robert M., 4,875,696, Cl. 280-47.340.
- White, Robert S.: *See—*
  - White, Philip J.; Scholz, John A.; and White, Robert S., 4,859,905, Cl. 313-558.000.
- White, Robert W.: *See—*
  - Murray, Alexander P.; Slater, Clifton G.; and White, Robert W., 4,880,559, Cl. 252-186.210.
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- White, Roger J.; and Krishnan, Sivaram, to Mobay Corporation. Foamable molding compositions. 4,851,453, 7-25-89, Cl. 521-140.000.

- White, Stanley A., to Rockwell International Corporation. Hybrid charge-transfer-device filter structure. 4,809,209, 2-28-89, Cl. 364-724.160.
- White, Stanley A., to Rockwell International Corporation. Distributed arithmetic realization of second-order normal-form digital filter. 4,811,262, 3-7-89, Cl. 364-724.010.
- White, Stanley A.; and Vitols, Visvaldis A., to Rockwell International Corporation. Nonlinear adaptive filter. 4,843,583, 6-27-89, Cl. 364-724.190.
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  - Chandra, Ashileshwari N.; Comerford, Liam D.; and White, Steve R., 4,817,140, Cl. 380-4.000.
- White, Thomas: *See—*
  - Nunberg, Jack H.; Doyle, Michael; Newell, Arthur; and White, Thomas, 4,818,769, Cl. 514-2.000.
- White, Thomas C. Glaucoma drainage the lacrimal system and method. 4,886,488, 12-12-89, Cl. 604-9.000.
- White, Timothy E.: *See—*
  - Jungkman, David L.; Howard, James W.; and White, Timothy E., 4,812,655, Cl. 250-352.000.
- White, Vernon E.: *See—*
  - Khattak, Chandra P.; White, Vernon E.; Schmid, Frederick; and Wohlgemuth, John H., 4,840,699, Cl. -//.000.
- White, Victor: *See—*
  - Kopp, Clinton V.; Roberts, Dennis; Biltoft, Bruce G.; and White, Victor, 4,876,012, Cl. 210-644.000.
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- White, Wayne, to Whisco Component Engineering, Inc. Simplified mobile antenna base mounting structure. 4,872,017, 10-3-89, Cl. 343-715.000.
- White Welding and Mfg., Inc. *See—*
  - Bakula, Robert J.; and Curnes, Dennis A., 4,869,023, Cl. 49-395.000.
  - Krieps, George D., 4,843,857, Cl. 72-58.000.
- White, William: *See—*
  - Persyk, Dennis E.; and White, William, 4,810,885, Cl. 250-363.020.
- White, William C.; Yamahara, Yukio; and Tajiri, Koji. Polyamide yarn provided with a built-in antibacterial capacity and method for its production. 4,835,019, 5-30-89, Cl. 427-387.000.
- White, William C.: *See—*
  - Blank, Lynne B.; Gettings, Richard L.; and White, William C., 4,865,844, Cl. 424-409.000.
  - Blehm, Lynne M.; and White, William C., 4,842,766, Cl. 252-309.000.
- White, William H., to Bechtel International Corporation. Energy absorbing and assembly for structural system. 4,823,522, 4-25-89, Cl. 52-167.000.
- White, William J.: *See—*
  - Comey, David M.; Denley, Brian W.; and White, William J., 4,814,620, Cl. 250-352.000.
  - Gurnee, Mark N.; and White, William J., 4,807,000, Cl. 357-30.000.
- White, William P.: *See—*
  - Pearson, Stanley R.; Merrick, Douglas D.; White, William P.; and Lipp, Charles W., 4,857,076, Cl. 48-86.00R.
- White: William R.: *See—*
  - Snow, Claud R.; Snow, W. Robert; and White: William R., 4,838,525, Cl. 256-26.000.
- White, William T., Jr. Turkey caller. 4,854,914, 8-8-89, Cl. 446-402.000.
- White, Winsor, to Steelcase Inc. Multiple leg furniture base. 4,821,986, 4-18-89, Cl. 248-188.700.
- White, Woodrow W.: *See—*
  - Schmeing, Walter A.; and White, Woodrow W., 4,808,660, Cl. 524-812.000.
- Whitefoot, Douglas E.; and Salazar, Sumorfin, to Ford Motor Company. Hinge with elastomerically supported check spring. 4,800,624, 1-31-89, Cl. 16-332.000.
- Whitehall Corporation: *See—*
  - Hudson, Brian R., 4,796,365, Cl. 33-356.000.
- Whitehawk Corporation: *See—*
  - Crossman, Douglas P., 4,864,758, Cl. 42-18.000.
- Whitehead, Alexander S.: *See—*
  - Sipe, Jean D.; Whitehead, Alexander S.; Cohen, Alan S.; and Skinner, Martha, 4,816,388, Cl. 435-6.000.
- Whitehead, Alton B.: *See—*
  - Tolley, William K.; and Whitehead, Alton B., 4,853,205, Cl. 423-472.000.
- Whitehead, Andrew M.: *See—*
  - Trevelyan, James P.; and Whitehead, Andrew M., 4,887,553, Cl. 119-154.000.
- Whitehead, Clay T., to National Exchange, Inc. Fully interconnected spot beam satellite communication system. 4,813,036, 3-14-89, Cl. 370-57.000.
- Whitehead, Derek J., to Castex Products Limited. Pellet for administration to ruminants. 4,863,455, 9-5-89, Cl. 604-890.100.
- Whitehead Engineered Products, Inc.: *See—*
  - Bucci, George H., 4,860,714, Cl. 123-514.000.
  - Bucci, George H., 4,874,020, Cl. 141-59.000.
  - Bucci, George H., 4,887,652, Cl. 141-59.000.
- Whitehead, Gareth D. J.: *See—*
  - Gardner, Thomas H.; and Whitehead, Gareth D. J., 4,813,996, Cl. 71-21.000.
- Whitehead, Howard A.: *See—*
  - Van Iten, Thomas P.; Whitehead, Howard A.; and Schindel, Julie A., 4,886,632, Cl. 264-156.000.
- Whitehead Institute for Biomedical Research: *See—*
  - Morgan, Jeffrey R.; and Mulligan, Richard C., 4,868,116, Cl. 435-240.200.
- Whitehead, Lorne A.; Scott, Jonathan E.; and Greaves, Malcolm W., to Minnesota Mining and Manufacturing Company. Collapsible light pipe. 4,834,495, 5-30-89, Cl. 350-96.280.
- Whitehead, Lorne A., to Minnesota Mining and Manufacturing Company. Method and apparatus for controlled emission of light from prism light guide. 4,850,665, 7-25-89, Cl. 350-96.100.
- Whitehead, Lorne A., to Tir Systems LTD. Non-reflective graphic surface. 4,883,341, 11-28-89, Cl. 350-276.00R.
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- Whitehead, Martin A., to U.S. Philips Corporation. Liquid chromatograph apparatus. 4,879,029, 11-7-89, Cl. 210-198.200.
- Whitehead, Martin A.: *See—*
  - James, Phillip A.; and Whitehead, Martin A., 4,842,730, Cl. 210-198.200.
- Whitehead, Martin J.: *See—*
  - Kelly, Francis P.; Gibbens, Richard J.; Key, Peter B.; Turton, Paul A.; Stacey, Roger R.; and Whitehead, Martin J., 4,862,496, Cl. 379-221.000.
- Whitehead, Stanley A. Automatic portable sharpening kit for electric cattle shearers/clippers. 4,878,321, 11-7-89, Cl. 51-358.000.
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  - Carter, Timothy J. N.; Groucutt, Carol J.; Stott, Richard A. W.; Thorpe, Gary H. G. H.; and Whitehead, Thomas P., 4,842,99 Cl. 435-6.000.
- Whitehead, Wendell W.: *See—*
  - Olson, Raylin J.; Prunty, Lawrence L.; and Whitehead, Wendell W., 4,860,985, Cl. 248-229.000.
- Whitehouse, David R.: *See—*
  - Salzer, Thomas E.; and Whitehouse, David R., 4,806,728, Cl. 219-121.630.
- Whitehouse, Michael W.: *See—*
  - Rainsford, Kim D.; and Whitehouse, Michael W., 4,885,279, Cl. 514-23.000.
- Whitehurst, Brooks M.; Whitehurst, Garnett B.; and Clemens, Donald F. Process for making compounds containing chelated metal ions and resultant products which are useful for agricultural, industrial, environmental, and construction purposes. 4,888,421, 12-19-89, Cl. 536-121.000.
- Whitehurst, Darrell D.: *See—*
  - Venkat, Chaya; and Whitehurst, Darrell D., 4,828,678, Cl. 208-111.000.
- Whitehurst, Garnett B.: *See—*
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- Whitehurst, Thomas: *See—*
  - Young, William A.; Ko, Wai-Shing; Davidson, Curtis R.; and Whitehurst, Thomas, 4,873,469, Cl. 315-155.000.
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  - Donofrio, Deborah K.; and Whitekettle, Wilson K., 4,835,143, Cl. 514-75.000.
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- Whiteley, John, to Hollingsworth (U.K.) Limited. Vibration damper. 4,826,094, 5-2-89, Cl. 242-18.0DD.
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- Whiteley, Norman: *See—*
  - Longbottom, Karl; Whiteley, Norman; and Bagnall, Paul J. H. 4,819,824, Cl. 220-266.000.
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- Whiteley, Richard H.: *See—*
  - Dahl, Klaus J.; Horner, Patrick J.; Gors, Heinrich C.; Jansons Viktors; and Whiteley, Richard H., 4,868,271, Cl. 528-171.000.
- Whiteley, Stephen R.; and Faris, Sadeg M., to Hypres, Incorporated. Time domain reflectometer. 4,866,302, 9-12-89, Cl. 307-352.000.

- Whiteley, Stephen R.: *See—*
  - Faris, Sadeg M.; Hohenwarter, Gert K. G.; and Whiteley, Stephen R., 4,809,133, Cl. 361-385.000.
- Whiteley, Steve, to Hypres, Inc. Incremental time delay generator. 4,812,689, 3-14-89, Cl. 307-605.000.
- Whiteley, William: *See—*
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  - Shoher, Itzhak; and Whiteman, Aharon E., 4,797,100, Cl. 433-222.100.
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- Whitemetal Inc.: *See—*
  - Martin, R. Craig; and Woodson, Jerry P., 4,817,342, Cl. 51-439.000.
  - Woodson, Jerry P., 4,815,241, Cl. 51-439.000.
  - Woodson, Jerry P.; Martin, R. Craig; and Baker, Bryce T., 4,821,467, Cl. 51-436.000.
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- White's Electronics, Inc.: *See—*
  - Maulding, Richard S., 4,868,910, Cl. 324-233.000.
  - Smith, Peter T.; Rohde, Mark W.; and Shoemaker, Donald K., 4,862,316, Cl. 361-220.000.
- Whiteside, George D.: *See—*
  - Johnson, Bruce K.; and Whiteside, George D., 4,800,405, Cl. 354-86.000.
  - Lippert, Irving S.; Sturgis, John I.; and Whiteside, George D., 4,839,676, Cl. 354-86.000.
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- Whiteside, James D., II: *See—*
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- Whiteside, John F., to Sloan Valve Company. Flushometer relief valve. 4,817,913, 4-4-89, Cl. 251-40.000.
- Whiteside, John F., to Sloan Valve Company. Flush valve handle assembly. 4,883,254, 11-28-89, Cl. 251-335.200.
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- Whitesides, George M.: *See—*
  - Kool, Lawrence B.; and Whitesides, George M., 4,845,181, Cl. 528-48.000.
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- Whitesitt, Celia A.: *See—*
  - Marshall, Winston S.; Sigmund, Sandra K.; and Whitesitt, Celia A., 4,820,723, Cl. 514-381.000.
- Whitey Co.: *See—*
  - Jeromson, Jeffrey T.; and Williams, Peter C., 4,887,644, Cl. 137-876.000.
  - Yusko, Edward M., Jr.; Brown, Cal R.; Kalain, Terry M.; and Williams, Peter C., 4,800,920, Cl. 137-556.000.
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- Whitfield, Robert L. Putter. 4,805,922, 2-21-89, Cl. 273-164.000.
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- Whitham, Kent G., to United States of America, Navy. Expanding ring joint. 4,878,695, 11-7-89, Cl. 285-39.000.
- Whithycombe, Donald: *See—*
  - Wilson, Richard A.; Butler, Jerry F.; Whithycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., 4,801,448, Cl. 424-84.000.
- Whiting, Arleta M.: *See—*
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- Whiting, Bruce R., to Eastman Kodak Company. Storage phosphor read-out method. 4,837,436, 6-6-89, Cl. 250-327.200.
- Whiting, Bruce R.: *See—*
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- Whiting, Donel R.: *See—*
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- Whiting, Lisa R.: *See—*
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- Whiting, Lowell A.; and Whiting, Arleta M. Fillet knife retaining fishing rod. 4,869,011, 9-26-89, Cl. 43-23.000.
- Whiting, Roger L.: *See—*
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  - Mandel, Frederick S.; Engman, James A.; Whiting, Wayne R.; and Nicol, James, 4,865,761, Cl. 252-190.000.
- Whitley, James M.: *See—*
  - Whitley, William N.; and Whitley, James M., 4,858,986, Cl. 296-165.000.
- Whitley, Warwick M., II, to Attwood Corporation. Splash resistant gas vent. 4,825,905, 5-2-89, Cl. 137-587.000.
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- Whitlow, Gary L., to Dow Chemical Company, The. High temperature-high pressure gasket assembly. 4,795,174, 1-3-89, Cl. 277-213.000.
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- Whitlow, Graham A.; and Lee, Suh Y., to Westinghouse Electric Corp. Rotary combustor wall and method of forming same. 4,889,059, 12-26-89, Cl. 110-246.000.
- Whitman, Gary R.; and McCauley, Daniel S., to United States of America, Navy. Actuation system for an encapsulating life raft. 4,861,298, 8-29-89, Cl. 441-42.000.
- Whitman, Kent G.: *See—*
  - Backman, Marvin E.; Finnegan, Stephen A.; Whitman, Kent G.; and Sewell, Robert G. S., 4,885,994, Cl. 102-473.000.
- Whitman, Robert E. Roofing fastener. 4,860,513, 8-29-89, Cl. 52-410.000.
- Whitman, Robert W.; and Pellinen, John R., to Essco, Incorporated. Angle measuring adapter. 4,852,266, 8-1-89, Cl. 33-366.000.
- Whitmarsh, David L.: *See—*
  - Kettell, John; and Whitmarsh, David L., 4,846,329, Cl. 192-107.00M.
- Whitmer, Joseph W.: *See—*
  - Stazo, Jack; and Whitmer, Joseph W., 4,881,654, Cl. 220-85.00H.
- Whitmer, Randal, to Paccar Inc. Clutch booster control valve system. 4,871,051, 10-3-89, Cl. 192-85.00C.

Whitmire, Warren T.; and Anderson, Larry T. Battery monitoring and condition indicator system for multi-battery pack. 4,823,086, 4-18-89, Cl. 324-434.000.
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Whitney, G. Ward, Jr. Wire anchor for metal stud/brick veneer wall construction. 4,819,401, 4-11-89, Cl. 52-713.000.
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  Sassella, Christopher D.; Whitney, John R.; and McGeehan, Harold K., 4,877,227, Cl. 269-43.000.
Whitney, Leland R.; Hoyle, Charles D.; and Seemann, Ronald W., to Minnesota Mining and Manufacturing Company. Electromagnetic radiation suppression cover. 4,814,546, 3-21-89, Cl. 174-36.000.
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  Bassett, Robert W.; Griffin, William R.; Murphy, Susan A.; Petrovick, John G., Jr.; Varner, James R.; and Whittaker, Dennis R., 4,878,209, Cl. 368-113.000.
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Whitten, Kathleen R.; Garbrecht, William L.; Marzoni, Gifford P.; and Parli, C. John, to Eli Lilly and Company. Cycloalkanol esters of dihydrolysergic acid having peripheral serotonin antagonist properties. 4,845,224, 7-4-89, Cl. 546-69.000.
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  Bullock, Wesley; and Whittenberger, William A., 4,823,583, Cl. 72-196.000.
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Whittington, Herbert W.; Jordan, James R.; and Flanagan, Ian, to Ranco Europe Limited. Method and apparatus for identifying the metal included in a metallic item. 4,837,511, 6-6-89, Cl. 324-236.000.
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- Widdershoven, Franciscus P., to U.S. Philips Corp. Silicon on insulator (SOI) semiconductor device. 4,864,377, 9-5-89, Cl. 357-23.800.
- Widdoes, Harold D.; Katz, Solomon H.; and Cronk, Christine E., to Intersciences Development Associates, Inc. Human limb measuring system and method. 4,883,066, 11-28-89, Cl. 128-774.000.
- Widdoes, Peter A., to W. L. Gore & Associates, Inc. Coaxial shield integrated contact connector assembly. 4,867,707, 9-19-89, Cl. 439-675.000.
- Widegren, John C. Golf bag unit having extendable and retractable travelling wheels. 4,822,071, 4-18-89, Cl. 280-646.000.
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- Widell, Jan: *See—*
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- Widell, Larry R.: *See—*
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- Wident, Pierre: *See—*
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- Widerman, Mark. Beach erosion reversal system and method. 4,844,654, 7-4-89, Cl. 405-25.000.
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  - Barwale, Usha B.; and Widholm, Jack M., 4,857,465, Cl. 435-240.490.
- Widhopf, Martin, to Anton Steinecker Maschinenfabrik GmbH. Wort cooking arrangement. 4,813,346, 3-21-89, Cl. 99-278.000.
- Widinski, Paul R.; and Taylor, Glenn N., to Health & Home Products, Inc. Carrying device. 4,830,238, 5-16-89, Cl. 224-42.46R.
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  - Brandenburger, Alan K.; and Widly, John R., 4,809,381, Cl. 15-1.700.
- Widmann, Karlheinz; Kreth, Norbert; Schmitt, Martin; and Stellwagen, Armin, to Mannesmann Rexroth GmbH. Control arrangement for at least two hydraulic consumers fed by at least one pump. 4,856,278, 8-15-89, Cl. 60-423.000.
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- Widmer, Hans, to Transver AG. Curved conveyor element. 4,846,338, 7-11-89, Cl. 198-831.000.
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  - Mezei, Louis M.; Albom, Bradley S.; Coppock, Stan; Moehle, Stephen J.; Noorda, Brent S.; Widunas, Joseph T.; and Zeitler, James A., 4,873,633, Cl. 364-413.080.
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  - Kudryk, Bohdan J.; and Wiebe, Michael E., 4,851,334, Cl. 435-7.000.
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- Wienerroither, Friedrich: *See—*
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  Bracewell, Robert G., 4,803,194, Cl. 503-227.000.
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- Wilcox, Donald E.: *See—*
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- Wilcox, Floyd J., Jr.: *See—*
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- Wilcox, Paul D.: *See—*
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- Wilczynski, Janusz S.: *See—*
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- Wild, Ernst, to Robert Bosch GmbH. Method of and device for controlling and/or regulating the idling speed of an internal combustion engine. 4,815,433, 3-28-89, Cl. 123-339.000.
- Wild, Georg; Kohler, Rembert; Weibelzahl, Manfred; Haushofer, Martin; and Messner, Johann, to Siemens Aktiengesellschaft. State signal formation for indicating the transition into the bypass mode of operation in an apparatus for high-voltage D-C transmission. 4,837,671, 6-6-89, Cl. 363-35.000.
- Wild, Georg: *See—*
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- Wilda, Douglas W.: *See—*
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- Wilde, Rolf: *See—*
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  - Mann, Joe A.; Ambrosiani, Vincent J.; Wilder, Cynthia D.; and Seyam, Abdelfattah M., 4,807,303, Cl. 2-69.000.
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  - Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Guzy D. James, 4,841,526, Cl. 371-32.000.
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  - Hochhaus, Hermann; and Wilder, Erhard, 4,808,975, Cl. 340-641.000.
- Wilder, Harry D.: *See—*
  - Gentile, Victor M., Jr.; and Wilder, Harry D., 4,849,053, Cl. 162-76.000.
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  - Thomas, Charles E.; Bedard, James F.; Harris, Lawson P.; Wildes, Douglas G.; and Hayashi, Steven R., 4,806,914, Cl. 340-680.000.
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  - Senia, E. Steve; and Wildey, William L., 4,850,867, Cl. 433-102.000.
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- Wildgen, Harry. Boiler control having reduced number of boiler sequences for a given load. 4,850,310, 7-25-89, Cl. 122-446.000.
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- Wildlife Materials, Inc.: *See—*
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- Wildner, Gerhard, to Lenser Verwaltungs-GmbH. Thermoplastic filter plate for a filter press. 4,839,045, 6-13-89, Cl. 210-228.000.
- Wilds, Brian E. Floral arrangement container for umbrella table. 4,821,454, 4-18-89, Cl. 47-41.00R.
- Wilds, Jack C.: *See—*
  - Rich, Gregory E.; Giacomazzi, Roy A.; and Wilds, Jack C., 4,881,578, Cl. 141-44.000.
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  - Dapperheld, Steffen; Heumuller, Rudolf; and Wildt, Manfred, 4,800,012, Cl. 204-73.00R.
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  - Wileman, Ben C., III, 4,875,243, Cl. 4-662.000.
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- Wilen, Richard. TV program organizer. 4,850,124, 7-25-89, Cl. 40-122.000.
- Wilenius, George P. T.: *See—*
  - Malcolm, David H.; and Wilenius, George P. T., 4,856,036, Cl. 378-116.000.
- Wiles, Philip V., Jr.; Harper, Thomas A.; and Harper, Carol R., to BMC Software, Inc. System for supporting an erase input key with input suppression in a system for optimizing data transmission associated with addressable-buffer devices. 4,837,679, 6-6-89, Cl. 364-200.000.
- Wiley, Allen C., to MicroFuel Corporation. Means of pneumatic comminution. 4,819,884, 4-11-89, Cl. 241-39.000.
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- Wiley, Franklyn L.: *See—*
  - Lake, Ralph J., Jr.; Wiley, Franklyn L.; Coby, A. Daniel; and Pluth, John, Jr., 4,800,402, Cl. 346-139.00R.
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- Wiley, Jean B., administratrix: *See—*
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- Wiley, Jean B., executrix: *See—*
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  - Hoffarth, Joseph G.; and Wiley, John P., 4,868,350, Cl. 174-68.500.
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- Wiley, John W., Jr.: *See—*
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- Wiley, Larry J. Periodontal pocket cleaner. 4,846,200, 7-11-89, Cl. 132-321.000.
- Wiley, Michael D. Detachable cargo carrier. 4,813,584, 3-21-89, Cl. 224-42.440.
- Wiley, Michael J.; Irving, Stewart; and McKeon, John P., to Inventa Chemicals Limited. Security device. 4,837,453, 6-6-89, Cl. 307-10.200.
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- Wiley, Patrick C. Method and apparatus for preparing asphaltic pavement for repaving. 4,850,740, 7-25-89, Cl. 404-79.000.
- Wiley, Robert B. Spa overflow system. 4,837,870, 6-13-89, Cl. 4-508.000.
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  - Guilfoyle, Peter S.; and Wiley, W. Jackson, 4,864,524, Cl. 364-713.000.
- Wiley, Wallace F., to Robert Hooke Memorial Laboratories, Inc. Motion sensing device. 4,797,661, 1-10-89, Cl. 340-664.000.
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  - Zeitler, Walter, 4,852,449, Cl. 84-293.000.
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  - Memmel, Robert A., Jr.; Wilfong, Daryl A.; and Collins, George A., 4,820,375, Cl. 156-566.000.
- Wilfong, Donald G. Adjustable tool supporting device. 4,854,206, 8-8-89, Cl. 83-745.000.
- Wilfong, Evan C.; and Gitlin, Harvey S., to Equipment Systems & Devices, Inc. Coin slide guard. 4,802,566, 2-7-89, Cl. 194-350.000.
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  - Gitlin, Harvey S.; and Wilfong, Evan C., 4,828,096, Cl. 194-200.000.
- Wilfong, Harry B., Jr.: *See—*
  - Case, Manson D.; Wilfong, Harry B., Jr.; and Hoffmeyer, William C., 4,849,090, Cl. 206-390.000.
- Wilford, Donald F.: *See—*
  - Banks, Ivor; Heikurinen, Kari J.; Sanderson, John J.; and Wilford, Donald F., 4,844,695, Cl. 415-161.000.
- Wilfreid Pavel Machinenbau: *See—*
  - Pavel, Wilfried, 4,873,812, Cl. 53-241.000.
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- Wilgren, Thomas J. Freezable pet dish. 4,798,173, 1-17-89, Cl. 119-61.000.
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- Wilh. Frank GmbH: *See—*
  - Frank, Wilhelm, 4,845,905, Cl. 52-72.000.
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  - Oxenius, Rudiger; and Wilhelm, Charles, 4,855,410, Cl. 534-591.000.
- Wilhelm, Daniel D., to Nartron Corporation. Head lamp control method and apparatus, with PWM output regulation. 4,841,198, 6-20-89, Cl. 315-82.000.
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  - Hellwig, Paul; and Wilhelm, Dieter, 4,849,670, Cl. 313-318.000.
  - Kleeberg, Wolfgang; Hacker, Heinz; Huber, Jurgen; Wilhelm, Dieter; and Laupenmuhlen, Heinz K., 4,812,490, Cl. 523-443.000.
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  - Bodzian, Gerd; and Wieland, Heinz, 4,828,456, Cl. 415-211.100.
  - Holzberger, Vinzenz; and Koger, Friedrich, 4,798,518, Cl. 415-211.000.
- Wilhelm, Gerd. Vortex-inducing packing of pyramid-type elements and process for its assembly. 4,830,792, 5-16-89, Cl. 261-79.200
- Wilhelm Haselmeier GmbH & Co.: *See—*
  - Gabriel, Jochen, 4,823,906, Cl. 181-137.000.
- Wilhelm Hegenscheidt Gesellschaft mbH: *See—*
  - Berstein, Garri; Obrig, Hans W.; Wittkopp, Helmut; and Wolters, Hermann, 4,799,839, Cl. 409-244.000.
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  - Heimann, Alfred; and Ligacz, Herbert, 4,825,737, Cl. 82-124.000.
  - Ligacz, Herbert; Heimann, Alfred; Klosterhalfen, Hartwig; and Wittkopp, Helmut, 4,802,285, Cl. 33-551.000.
  - Obrig, Hans W.; Wittkopp, Helmut; and Ewald, Nis-Friedrich, 4,866,642, Cl. 364-562.000.
  - Schmaifuss, Harald; Sinsel, Friedel; and Kurpiella, Hubertus, 4,798,964, Cl. 250-560.000.
  - Wittkopp, Helmut; Gruteser, Helmut; Coenen, Wilfred; and Elschenbroich, Walter, 4,798,963, Cl. 250-560.000.
- Wilhelm, John J.; Kolberg, Kenneth D.; Cole, William G.; and Calhoun, Gregory L., to Westinghouse Electric Corp. Apparatus and method for plugging a tube. 4,831,703, 5-23-89, Cl. 29-157.40R.
- Wilhelm, John J.: *See—*
  - Colbaugh, Michael E.; and Wilhelm, John J., 4,815,845, Cl. 356-153.000.
- Wilhelm, Loray W. Fertilizer system. 4,825,959, 5-2-89, Cl. 172-720.000
- Wilhelm Meyer GmbH & Co. KG: *See—*
  - Meyer, Wilhelm, 4,849,583, Cl. 200-6.00A.

- Wilhelm, Peter L.; and Hyde, Gilbert F., to Westinghouse Electric Corp. Valve system with adjustable seating force. 4,852,850, 8-1-89, Cl. 251-28.000.
- Wilhelm, Peter L.: *See—*
  - Snuttjer, Owen R.; and Wilhelm, Peter L., 4,870,393, Cl. 340-611.000.
- Wilhelm, Raimund. Power-wrench, a boiling spindle and an operational method. 4,813,312, 3-21-89, Cl. 81-467.000.
- Wilhelm, Raymond L., to Oy Wartsila Ab. Rinse water valve for vacuum toilet system. 4,811,754, 3-14-89, Cl. 137-218.000.
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- Wilhelm, Roland K.: *See—*
  - McDonnell, Robert L.; Somers, Ralph M.; and Wilhelm, Roland K., 4,847,687, Cl. 358-101.000.
- Wilhelm Ruf KG: *See—*
  - Hochholzer, Reinhard, 4,812,803, Cl. 338-175.000.
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  - Keller, Herbert, 4,847,614, Cl. 340-825.560.
- Wilhelm Sedlbauer GmbH: *See—*
  - Steiner, Hans; and Mitterndorfer, Alois, 4,818,231, Cl. 433-215.000.
- Wilhelm Strodter Maschinen- und Apparatebau: *See—*
  - Strodter, Wilhelm, 4,809,752, Cl. 138-96.00T.
- Wilhelm, Werner: *See—*
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- Wilhelms, Gernot: *See—*
  - Fischer, Horst; Wichmann, Werner; Wilhelms, Gernot; and Wiltmann, Guenter, 4,856,947, Cl. 409-119.000.
- Wilhelms, Otto-Henning: *See—*
  - Friebe, Walter-Gunar; and Wilhelms, Otto-Henning, 4,853,386, Cl. 514-266.000.
- Wilhelmus, Janssens: *See—*
  - Vanmaele, Luc J.; Wilhelmus, Janssens; and Van de Sande, Christian C., 4,855,223, Cl. 430-562.000.
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  - Doege, Gunter; Jakob, Peter; and Wilhelmy, Ing L., 4,851,728, Cl. 310-233.000.
- Wilhelmy, Richard B., to Aluminum Company of America. Control of form of crystal precipitation of aluminum hydroxide using cosolvents and varying caustic concentration. 4,822,593, 4-18-89, Cl. 423-629.000.
- Wilhite, John E.; and Shelly, William A., to Honeywell Bull Inc. Distributor of machine words between units of a central processor. 4,858,176, 8-15-89, Cl. 364-900.000.
- Wilhite, W. Frank: *See—*
  - Castleman, Bruce W.; Cates, Marion H.; Szonntagh, Eugene L.; Walker, Rex R.; and Wilhite, W. Frank, 4,865,996, Cl. 436-161.000.
- Wilhoit, Darrel L.: *See—*
  - Oxley, Jeffery A.; and Wilhoit, Darrel L., 4,842,022, Cl. 138-118.100.
- Wilimczik, Wolfhart. Displacement machine having displacement body and sealing members rotating on non-parallel axes. 4,884,957, 12-5-89, Cl. 418-16.000.
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- Wilk, Hans-Christoph: *See—*
  - Fischer, Herbert; Hase, Brigitte; Moller, Hinrich; Wilk, Hans-Christoph; and Zeidler, Ulrich, 4,801,601, Cl. 514-384.000.
- Wilk, Howard J. Manipulatable, spherical educational and amusement devices. 4,877,406, 10-31-89, Cl. 434-278.000.
- Wilk, Stanley A.: *See—*
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- Wilke, Richard; and Korthaus, Helmut. Motor-driven brake system, especially for rail vehicles. 4,805,740, 2-21-89, Cl. 188-173.000.
- Wilke, Thomas A.: *See—*
  - Bowman, Ronald R.; Sodal, Ingvar E.; Wilke, Thomas A.; and Weller, Frank, 4,859,848, Cl. 250-296.000.
- Wilken, Gerhard: *See—*
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- Wilkening, Gunter; and Kruger, Rolf, to Carl-Zeiss-Stiftung. Coupling means for monomode fiber. 4,805,976, 2-21-89, Cl. 350-96.200.
- Wilkening, Steven R.: *See—*
  - Boyers, Douglas B.; and Wilkening, Steven R., 4,856,794, Cl. 277-37.000.
- Wilker, Allan S., to Vermont Castings, Inc. Wood burning stove with concealable doors. 4,817,584, 4-4-89, Cl. 126-66.000.
- Wilkerson, Alan W.: *See—*
  - Linke, Thomas A.; Dandan, Issa R.; Livingston, Troy W.; and Wilkerson, Alan W., 4,873,792, Cl. 51-165.800.
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  - Harrison, Stanley N., 4,816,043, Cl. 55-162.000.
- Wilkerson, Timothy M., to Basler Electric Company. Reclosing relay with nonvolatile memory of operations. 4,845,594, 7-4-89, Cl. 361-71.000.
- Wilkes, Brian J. Concentric waveguides for a dual-band feed system. 4,819,005, 4-4-89, Cl. 343-786.000.
- Wilkes, Brian J. Dual band feed system. 4,821,046, 4-11-89, Cl. 343-786.000.
- Wilkes, John S.: *See—*
  - Le, Minh S.; and Wilkes, John S., 4,853,127, Cl. 210-500.390.
- Wilkes, Michael D.: *See—*
  - Penn, Steven C.; and Wilkes, Michael D., 4,868,687, Cl. 360-13.000.
- Wilkes, Raymond S.: *See—*
  - De Buhr, Harold E.; and Wilkes, Raymond S., 4,821,495, Cl. 56-13.300.
- Wilkes, Robert D.: *See—*
  - Dickinson, Ben W. O.; Dickinson, Robert W.; Anderson, Randal R.; Dickinson, Eric W.; and Wilkes, Robert D., 4,872,509, Cl. 166-278.000.
- Wilkey, William P., to Honeywell, Inc. Monolithic suspension assembly using cross flexure pivots. 4,825,713, 5-2-89, Cl. 74-5.00F.
- Wilkie, Arnold E.; and Talley, Arthur, Jr., to Monsanto Company. Saxony carpet having improved appearance retention. 4,839,211, 6-13-89, Cl. 428-89.000.
- Wilkie, Arnold E.: *See—*
  - Talley, Arthur, Jr.; and Wilkie, Arnold E., 4,882,222, C 428-362.000.
- Wilkie, Brian F.: *See—*
  - Sparks, Robert W.; Wilkie, Brian F.; and Grimmer, George G., Jr. 4,796,235, Cl. 365-228.000.
- Wilkie, Bruce J.: *See—*
  - Newell, Darryl C.; Schroeder, Karl F.; and Wilkie, Bruce J. 4,803,720, Cl. 379-202.000.
- Wilkie, John B., Jr.: *See—*
  - Sproul, Richard M.; Giusti, Frank, Jr.; Young, Carter R. a Wilkie, John B., Jr., 4,832,129, Cl. 166-387.000.
- Wilkie, Robert R.: *See—*
  - Donalson, Dennis C.; and Wilkie, Robert R., 4,817,261, C 29-455.100.
  - Havens, Marvin R.; and Wilkie, Robert R., 4,848,566, C 206-328.000.
- Wilkin, Louis A.: *See—*
  - Nealy, David L.; Wilkin, Louis A.; and Barlow, Fred D., Jr. 4,855,344, Cl. 524-86.000.
- Wilkins, Albert A., to Wickman Bennett Machine Tool Company Limited. Lathes. 4,827,814, 5-9-89, Cl. 82-1.110.
- Wilkins, Allen L.; Hottmann, Philip F.; and Caruso, Jerome, to Su Zero Freezer Co., Inc. Adjustable storage module. 4,867,512, 9-19-8 Cl. 312-245.000.
- Wilkins, Charles A.: *See—*
  - Wilkins, Thomas R.; Wilkins, Charles A.; and Stoneburner, James O., 4,822,486, Cl. 210-170.000.
- Wilkins, Donald J., to Wilco Enterprises. Door safety brace having a hinge with angled end faces. 4,819,296, 4-11-89, Cl. 16-82.000.
- Wilkins, Ebtisam S., to University of New Mexico. Long-life membrane electrode for non-ionic species. 4,813,424, 3-21-89, Cl. 128-635.00
- Wilkins, Howard: *See—*
  - Gannis, Peter M.; Wilkins, Howard; and Holloway, Oris E., Jr. 4,822,625, Cl. 426-93.000.
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- Wilkins, John J.: *See—*
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- Wilkins, Larry C. Coordinate measuring machine. 4,848,004, 7-18-8 Cl. 33-503.000.
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- Wilkins, Peter R., to Black & Decker Inc. Wallpaper steamer. 4,835,36 5-30-89, Cl. 219-273.000.
- Wilkins, Peter R., to Black & Decker Inc. Wallpaper steamer. 4,843,21 6-27-89, Cl. 219-271.000.
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- Wilkins, Peter R., to Black & Decker Inc. Steam generator. 4,857,72 8-15-89, Cl. 219-271.000.
- Wilkins, Philip S. A., to Cosworth Research & Development Limited. Method of making metal castings. 4,804,032, 2-14-89, Cl. 164-34.00
- Wilkins, Robert L., to Cameron Iron Works USA, Inc. Wireline downhole annulus valve. 4,807,700, 2-28-89, Cl. 166-86.000.
- Wilkins, Terence A.: *See—*
  - Charlton, John C.; Midgley, John E.; and Wilkins, Terence A. 4,839,299, Cl. 436-500.000.

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- Wilkins, Tracy D.; and Krivan, Howard C., to Virginia Tech Intellectual Properties, Inc. Method of detecting, isolating and purifying clostridium difficile toxin A and its receptors. 4,863,852, 9-5-89, Cl. 435-7.000.
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  - Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo, 4,796,347, Cl. 29-280.000.
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- Wilkinson, Ivan E.; and Auxier, Robert W., to Limitorque Corporation. Modular switch assembly having wiping contacts. 4,839,475, 6-13-89, Cl. 200-5.00R.
- Wilkinson, James H.; and Avis, Richard J. A., to Sony Corporation. Video replay store for a multi-channel digital video tape recorder. 4,803,567, 2-7-89, Cl. 360-33.100.
- Wilkinson, James H.; and Ive, John G. S., to Sony Corporation. Digital video recorder having data distribution among four heads. 4,819,089, 4-4-89, Cl. 360-22.000.
- Wilkinson, James H.; and Lince, Robin L., to Sony Corporation. Preserving a record of timecodes used in editing a recorded digital video signal. 4,835,626, 5-30-89, Cl. 360-14.300.
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- Wilkinson, John D.: *See—*
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- Wilkinson, Raleigh J.; and Short, Allen T., to J. R. Short Milling Company. Method for making puffable food products from corn and products produced therefrom. 4,844,937, 7-4-89, Cl. 426-559.000.
- Wilkinson, Raleigh J.: *See—*
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- Wilkinson, Richard A., Jr., to Seagate Technology, Inc. Disc drive incorporating automatic wear compensation for a pivoted arm. 4,845,579, 7-4-89, Cl. 360-106.000.
- Wilkinson, Richard L.; and Winslow, John S., to Optical Disc Corporation. Direct read after write optical storage medium. 4,809,022, 2-28-89, Cl. 346-135.100.
- Wilkinson, Robert E.; and Epel, Joseph N., to Budd Company, The. A cutter for cutting resin impregnated strands and a method and apparatus for making a charge for molding a fiber reinforced part. 4,806,29 , 2-21-89, Cl. 264-115.000.
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- Wilkinson, Ronald; and Benway, Ralph, to Teledyne Industries, Inc. Turbocharged compund cycle ducted fan engine system. 4,815,282, 3-28-89, Cl. 60-247.000.
- Wilkinson, Stanley B., to General Electric Company. Faulted phase selector for single pole tripping and reclosing schemes. 4,819,119, 4-4-89, Cl. 361-76.000.
- Wilkinson, Stanley B., to General Electric Company. Positive sequence distance relay for AC power transmission line protection. 4,821,137, 4-11-89, Cl. 361-80.000.
- Wilkinson, Stanley B., to General Electric Company. Out-of-step blocking unit. 4,825,323, 4-25-89, Cl. 361-65.000.
- Wilkinson, Stanley B., to General Electric Company. Ripple attenuator for AC power transmission line protective relays. 4,873,602, 10-10-89, Cl. 361-78.000.
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- Wilkinson, William R.; Webber, Marion G.; and King, Dean J., to Professional Compounding Centers of America, Inc. Troche mold and dispenser. 4,887,790, 12-19-89, Cl. 249-52.000.
- Wilkinson, William T., to Whatnot, Inc. Wrist exercise device. 4,838,542, 6-13-89, Cl. 272-67.000.
- Wilkinson, William T., to Package Research Corporation. Multiple fluid dispenser. 4,858,785, 8-22-89, Cl. 222-145.000.
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- Wilks, Ronald C. Rotary piston engine. 4,817,567, 4-4-89, Cl. 123-231.000.
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- Wilkus, Edward V.; and Fu Wu, Alexander, to Vulkor, Incorporated. Cables formed with interdispersed polymer insulation compositions and method of making. 4,864,001, 9-5-89, Cl. 525-199.000.
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  - Stein, Hans P.; Weise, Armin; and Will, Reinhold, 4,871,272, Cl. 400-583.000.
- Will, Rolf; and Ast, Hans-Peter, to Zweckform Etikettiertechnik GmbH. Multilayer adhesive label. 4,801,514, 1-31-89, Cl. 429-167.000.
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- Willard L. Phelps Consultants Ltd.: *See—*
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- Willard, Miles J. Method of making dehydrated hash brown potato mixture. 4,828,856, 5-9-89, Cl. 426-272.000.

Willard, Miles J.; and Dayley, Kyle E. Prevention of puffing during frying of expanded snack products. 4,861,609, 8-29-89, Cl. 426-550.000.
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Donaldson, Darrel D.; Gillett, Richard B., Jr.; and Williams, Douglas D., 4,829,515, Cl. 370-85.000.
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Krutsch, John F., 4,865,322, Cl. 273-121.00R.
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- Wilson, Robert; and LaPlante, Jerry C., 4,802,436, Cl. 164-440.000.

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- Gutman, Richard G.; Knibbs, Richard H.; and Williams, Gwilym H., 4,832,841, Cl. 210-232.000.

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Williams, Harold R.; and Spencer, Robert M., to Surgikos, Inc. Fluid injection system coupling and injector valve. 4,869,286, 9-26-89, Cl. 137-318.000.

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Williams, Henry R. Paper stacker. 4,860,904, 8-29-89, Cl. 211-50.000.

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- Brunold, Colin R.; Dickens, Andrew W.; Hunns, Jeremy C. B.; Mackley, Malcolm R.; and Williams, Huw R., 4,832,500, Cl. 366-268.000.

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- Bak, Michael J., 4,819,424, Cl. 60-39.183.
- Bowen, Kim E.; Foster, Steven M.; and Izadi, Said, 4,851,190, Cl. 419-66.000.
- Chapman, William I., 4,870,825, Cl. 60-745.000.
- Cragel, Daniel F., 4,806,023, Cl. 384-106.000.
- Halstead, Lawrence T., 4,861,229, Cl. 415-138.000.
- Herman, Gerald J., 4,858,429, Cl. 60-39.141.
- Jones, Allen M., 4,815,864, Cl. 384-103.000.
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- Meyer, Robert H.; and Pampreen, Ronald C., 4,809,770, Cl. 165-9.000.
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- Schalk, Calvin W., 4,835,357, Cl. 219-121.640.

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- Bingaman, Barrett P.; Krum, Richard G.; and Williams, James R., 4,858,808, Cl. 226-95.000.

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- Montgomery, David B.; and Williams, Joel L., 4,846,101, Cl. 118-723.000.
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- Atkins, Martin P.; Ballantine, James A.; Purnell, John H.; and Williams, John, 4,866,020, Cl. 502-84.000.
- Robson, Michael J.; and Williams, John, 4,853,414, Cl. 514-531.000.
- Tannenbaum, Eli; Burgess, Trevor; Kalessidis, Vassilios; Orban, Andre; Williams, John; and Zanker, Klaus, 4,887,464, Cl. 73-153.000.

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- Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, 4,813,182, Cl. 49-501.000.

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- Smith, Dennis E.; Williams, John J. A.; Duncan, Gerald D.; Thomas, Graeme D.; Borrows, John G.; and Shacklock, Frank W., 4,813,248, Cl. 68-23.700.
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- Khanna, Yash P.; Bhattacharjee, Himangshu R.; Kumar, Rakesh; Williams, Jon I.; and Sibilia, John P., 4,876,127, Cl. 426-35.700.

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- Ward, Morris D.; and Williams, Kenneth L., 4,829,475, Cl. 365-78.000.
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- McClatchie, Edward A.; and Williams, Kevin G., 4,829,183, Cl. 250-346.000.

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- Leung, Ka-Ngo; Gordon, Keith C.; Kippenham, Dean O.; Purgalis, Peter; Moussa, David; Williams, Malcom D.; Wilde, Stephen B.; and West, Mark W., 4,795,940, Cl. 313-346.00R.

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- McHenry, Robert J.; Brito, Joseph B.; Piatt, Wilson T., Jr.; Reed, Robert J.; Varadarajan, Krishnaraju; Spencer, Kenneth B.; Tsai, Boh C.; Williams, Mark A.; Vosti, Donald C.; and Wachtel, James A., 4,880,129, Cl. 220-70.000.

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- Richards, David C.; Williams, Maurice S.; and Ward, Brian, 4,869,049, Cl. 53-459.000.

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- Dawson, Geoffrey G.; and Williams, Michael K., 4,874,538, Cl. 252-117.000.

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Williams, Nelson E., Jr.; and Baum, Forrest F., to Sheller-Globe Corporation. Method for heat insulating a rotational casting mold. 4,822,438, 4-18-89, Cl. 156-265.000.

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- Williams, Robert M., 4,798,342, Cl. 241-18.000.

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Williams, Patrick R.: *See—*
- Kathol, Shawn; and Williams, Patrick R., 4,839,658, Cl. 342-455.000.

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- Burk, Gary N.; and Williams, Paul, 4,801,809, Cl. 250-559.000.

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- Saffer, Gary M.; Halford, Wayne R.; Bro, Jay M.; Hill, Peter C.; Naghshineh, Shahram; Rosenthal, Janice E.; Boden, Scott T.; Lam, Peter A.; and Williams, Paul A., 4,844,475, Cl. 273-311.000.

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Williams, William A., Jr.: *See—*

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Williamson, Herman L.; and Schuster, Michael M., to Hi-Shear Corporation. Blind fastener. 4,877,363, 10-31-89, Cl. 411-43.000.

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Willis, William T. Preassembled display stand and container. 4,813,536, 3-21-89, Cl. 206-44.00R.

Williston, Scott L.; and Sweigart, Mark A., to General Motors Corporation. Electro mechanical actuator. 4,841,790, 6-27-89, Cl. 74-89.150.

Willits, Lyle V.: *See—*
Gast, Robert L.; and Willits, Lyle V., 4,887,450, Cl. 72-391.000.

Willits, Samuel P.; Kleeman, Thomas E.; and Willits, Steven F., to Spartanics, Ltd. Weapon training simulator system. 4,804,325, 2-14-89, Cl. 434-22.000.

Willits, Samuel P.; Kleeman, Thomas E.; and Mohan, William L., to Spartanics, Ltd. Strip feeding and control system. 4,809,188, 2-28-89, Cl. 364-469.000.

Willits, Steven F.: *See—*
Willits, Samuel P.; Kleeman, Thomas E.; and Willits, Steven F., 4,804,325, Cl. 434-22.000.

Willkens, Craig A.: *See—*
Corbin, Normand D.; and Willkens, Craig A., 4,885,199, Cl. 428-113.000.

Willkop, Franz; Zahring, Gerhard; Rutsch, Robert; Popp, Joachim; and John, Eberhard, to MTU Motoren-und Turbinen-Union Munchen GmbH. Turbo-engine having means for controlling the radial gap. 4,875,828, 10-24-89, Cl. 415-173.400.

Willman, Kenneth W.; Brennock, June T.; O'Neill, David C.; and Szkutak, Joan B., to Procter & Gamble Company, The. Pouched through the washer and dryer laundry additive product having at least one wall comprised of finely apertured polymeric film. 4,839,076, 6-13-89, Cl. 252-90.000.

Willmann, Hartmut: *See—*
Heinz, Richard; Hartmann, Willi; Willmann, Hartmut; and Walter, Josef, 4,816,950, Cl. 360-128.000.

Willmar Manufacturing, a division of Waycrosse, Inc.: *See—*
Davis, Harold A.; and Saude, Gerald B., 4,852,809, Cl. 239-654.000.

Willmen, Hans-Rainer: *See—*
Dahlke, Hermann; and Willmen, Hans-Rainer, 4,796,603, Cl. 128-899.000.

Willmert, McRea B.: *See—*
Hagan, David W.; Burke, William D.; Thoman, Thomas R.; and Willmert, McRea B., 4,805,556, Cl. 118-725.000.

Willmott, Colin B.; and Chang, James S., to Chamberlain Group, Inc., The. Twin sprocket garage door opener. 4,794,731, 1-3-89, Cl. 49-199.000.

Willms, Lothar: *See—*
Lachhein, Stephen; and Willms, Lothar, 4,824,949, Cl. 544-320.000.

Willms, Richard G., to Welch, James D., a part interest. Method of breaking bearings. 4,837,915, 6-13-89, Cl. 29-426.400.

Willner, David: *See—*
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Monkovic, Ivo; and Willner, David, 4,820,715, Cl. 514-305.000.

Willner, Helge; and Simon, Arno, to Bruker Analytische Messtechnik GmbH. Device for collecting samples. 4,827,134, 5-2-89, Cl. 250-352.000.

Willner, Stig; and Karlsson, Gert, to Camp Scandinavia AB. Device and method for testing for a corset or spinal orthose. 4,821,739, 4-18-89, Cl. 128-774.000.

Willock, Charles B.: *See—*
Mills, Gary N.; and Willock, Charles B., 4,812,239, Cl. 210-647.000.

Willoughby, Graham M. Device for removing needles or needle/sheath combinations from hypodermic syringes. 4,798,587, 1-17-89, Cl. 604-110.000.

Willoughby, Graham M. Holder for hypodermic needle sheath. 4,830,319, 5-16-89, Cl. 248-176.000.

Willoughby, Robert; and Thorp, Phil D., to Aro Corporation, The. Torque sensing, automatic shut-off and reset clutch for screwdrivers, nutsetters and the like. 4,880,064, 11-14-89, Cl. 173-12.000.

Willoughby, Robert A.: *See—*
Robinson, Richard D.; Willoughby, Robert A.; and Thorp, Phil D., 4,844,177, Cl. 173-12.000.

Willrett, Douglas L.; and Comotto, Michael, to Nordica International, Inc. Bulk starter medium. 4,851,347, 7-25-89, Cl. 435-252.100.

Wills, Brian. Burner with regenerative bed. 4,838,782, 6-13-89, Cl. 431-166.000.

Wills, David C.: *See—*
Lyons, Dale R.; Wills, David C.; and Heys, George, Jr., 4,803,346, Cl. 235-7.00R.

Wills, Derek P. M.: *See—*
Page, Steven J.; Wills, Derek P. M.; Lowe, Barry M.; Brown, John G.; Curtis, Neil J.; Hall, Adrian J.; and Holmes, Kim P., 4,849,893, Cl. 364-434.000.

Wills, Frank E.: *See—*
Schnetzka, Harold R., II; and Wills, Frank E., 4,864,487, Cl. 363-129.000.

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Williams, Bill R., 4,836,177, Cl. 124-89.000.

Wills, Peter: *See—*
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Willsey, Charles H., to Seymour Foods, Inc. Egg contents separating mechanism. 4,799,423, 1-24-89, Cl. 99-500.000.

Willson, Carlton G.: *See—*
Allen, Robert D.; Frechet, Jean M. J.; Twieg, Robert J.; and Willson, Carlton G., 4,800,152, Cl. 430-270.000.
Allen, Robert D.; Chiong, Kaolin N.; Chow, Ming-Fea; MacDonald, Scott A.; Yang, Jer-Ming; and Willson, Carlton G., 4,810,601, Cl. 430-18.000.
McKean, Dennis R.; Miller, Robert D.; Walsh, Joseph G.; and Willson, Carlton G., 4,853,315, Cl. 430-192.000.

Willson, James R., to Kidde, Inc. Gas flow control device. 4,802,507, 2-7-89, Cl. 137-613.000.

Willson, Jolyon P.; and Parsons, Philip J., to Schlumberger Industries Limited. Optical transducer systems. 4,866,987, 9-19-89, Cl. 73-655.000.

Willson, Jolyon P.: *See—*
Batchelder, David N.; and Willson, Jolyon P., 4,844,613, Cl. 356-318.000.

Wilmer, Gerhard: *See—*
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Wilmes, Manfred: *See—*
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Haller, Bernd; Herkner, Ernst; Murray, Peter; Riesenberg, Volker; Schnatwinkel, Michael; Schulze, Rainer; Wagner, Georg; and Wilmes, Manfred, 4,878,859, Cl. 439-716.000.
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Wilmhurst, Eric C.: *See—*
Jeffery, James E.; Kozlik, Antonin; and Wilmhurst, Eric C., 4,806,570, Cl. 514-646.000.

Wilmore, Douglas W., to Brigham & Women's Hospital. Use of growth hormone for nitrogen retention under hypocaloric conditions. 4,863,901, 9-5-89, Cl. 514-12.000.

Wilmore, Douglas W.: *See—*
Smith, Robert J.; and Wilmore, Douglas W., 4,857,555, Cl. 514-563.000.

Wilmoth, Charles C.; and Wilmoth, Rhonda A. Non-stick drink coaster. 4,858,873, 8-22-89, Cl. 248-346.100.

Wilmoth, David D.; Coffman, Tim M.; Schreck, John F.; and Kaszubinski, Jeffrey K., to Texas Instruments Incorporated. Reference circuit for integrated memory arrays having virtual ground connections. 4,868,790, 9-19-89, Cl. 365-210.000.

Wilmoth, David D.: *See—*
Schreck, John F.; Coffman, Timmie M.; and Wilmoth, David D., 4,797,857, Cl. 365-203.000.

Wilmoth, Rhonda A.: *See—*
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Wilmott, James M.; and Znaiden, Alexander P., to Avon Products, Inc. Composition and method for reducing wrinkles. 4,826,828, 5-2-89, Cl. 514-63.000.

Wilmotte, Stephan, to Centre de Recherches Metallurgiques-Centrum Voor Research in de Metallurgie. Device for casting a metal in the pasty phase. 4,874,471, 10-17-89, Cl. 164-437.000.

Wilms, Elman; Jung, Dieter; Linsenbold, Herbert; Pioch, Lothar; and Wichelhaus, Winfried, to Henkel Kommanditgesellschaft auf Aktien. Porpous layer silicate/sodium sulfate agglomerate. 4,861,510, 8-29-89, Cl. 252-174.130.

Wilms, Elmar: *See—*
Pioch, Lothar; Jung, Dieter; Jacobs, Jochen; and Wilms, Elmar, 4,834,902, Cl. 252-135.000.

Wilmshurst, Eric C.: *See—*
Jeffery, James E.; Kozlik, Antonin; and Wilmshurst, Eric C., 4,814,352, Cl. 514-646.000.

Wilner, George D.: *See—*
Nawroth, Peter P.; Stern, David M.; and Wilner, George D., 4,885,277, Cl. 514-15.000.

Wilner, Leslie B., to Endevco Corporation. Differential capacitive transducer and method of making. 4,825,335, 4-25-89, Cl. 361-283.000.

Wilperath, Peter: *See—*
Hager, Jorg; Ghyczy, Miklos; Feyen, Vincent; Imberge, Paul; Brandenburg, Ulrich; and Wilperath, Peter, 4,874,553, Cl. 260-403.000.

Wilpon, Jay G.: *See—*
Martin, Thomas B.; Rabiner, Lawrence R.; and Wilpon, Jay G., 4,821,325, Cl. 381-46.000.

Wilsberg, Heinz-Manfred; and Puchta, Rolf, to Henkel Kommanditgesellschaft auf Aktien. Cleaning compositions containing an alcohol and fatty acid ester and their use in the pretreatment of fabrics. 4,877,556, 10-31-89, Cl. 252-544.000.

Wilschowitz, Ludwig, to Diamalt Aktiengellschaft. Process for the preparation of aspartic acid 4-(phenylmethyl) ester. 4,888,440, 12-19-89, Cl. 560-171.000.

Wilski, Hans; and Schmidt, Hermann, to Hoechst Aktiengesellschaft. Package for dry-resist material. 4,852,732, 8-1-89, Cl. 206-204.000.

Wilson, A. Kenneth; and Ballun, John V., to AMSTED Industries Incorporated. Plug valve. 4,863,144, 9-5-89, Cl. 251-316.000.

Wilson, A. Kenneth; and Ballun, John V., to Amsted Industries Incorporated. Plug valve and method of assembly. 4,887,629, 12-19-89, Cl. 137-15.000.

Wilson, Alan D.; Prosser, Havard J.; Dunsdon, Anthony J.; Skinner, John C.; and Brookman, Pauline J., to National Research Development Corporation. Coated substrates. 4,836,768, 6-6-89, Cl. 428-323.000.

Wilson, Alan D.: *See—*
Allen, William M.; Sansom, Bernard F.; Wilson, Alan D.; Prosser, Havard J.; and Groffman, David M., 4,880,628, Cl. 424-605.000.
Nicholson, John W.; and Wilson, Alan D., 4,873,130, Cl. 428-35.800.

Wilson, Albert H.; and Welsh, David E., to ITT Corporation. Retention and ground plane connector clip. 4,808,118, 2-28-89, Cl. 439-95.000.

Wilson, Albert H., to ITT Corporation. Electrical connector shield. 4,808,126, 2-28-89, Cl. 439-607.000.

Wilson, Albert H.; and Welsh, David E., to ITT Corporation. Connector with EMI/RFI grounding spring. 4,812,137, 3-14-89, Cl. 439-607.000.

Wilson, Alexander I., to Morgan Construction Company. Cooling bed run in table. 4,809,530, 3-7-89, Cl. 72-201.000.

Wilson, Alexander I., to Morgan Construction Company. Decelerator apparatus for hot rolled product. 4,884,429, 12-5-89, Cl. 72-250.000.

Wilson, Andrew M., to United Kingdom Atomic Energy Authority. Nitride dispersion-strengthened steels and method of making. 4,846,899, 7-11-89, Cl. 148-16.600.

Wilson Antenna Inc.: *See—*
Galvin, Richard W.; and Wilson, James W., 4,882,591, Cl. 343-715.000.

Wilson, Anton, to Anton/Bauer, Inc. Battery pack connection. 4,810,204, 3-7-89, Cl. 439-343.000.

Wilson, Anton, to Anton/Bauer, Inc. Electrical connection for battery charging apparatus or the like. 4,822,296, 4-18-89, Cl. 439-343.000.

Wilson, Arthur K.: *See—*
Gragg, Brian D.; Fong, Jon J.; and Wilson, Arthur K., 4,806,032, Cl. 400-194.000.

Wilson, Arthur M., to Texas Instruments Incorporated. Integrated circuit product having a polyimide film interconnection structure. 4,890,157, 12-26-89, Cl. 357-80.000.

Wilson, Blake W.: *See—*
Jenkins, Thomas B.; Ulery, Dennis R.; Wilson, Blake W.; Walko, Steven C.; Lee, Lester H.; Salerno, Robert P.; Nason, Robert W.; and Courtney, John P., 4,859,891, Cl. 310-215.000.

Wilson, Brown L., to Oil Dynamics, Inc. Centrifugal pump modular bearing support for pumping fluids containing abrasive particles. 4,872,808, 10-10-89, Cl. 415-170.100.

Wilson, Carey B.: *See—*
Ferrio, Tom M.; and Wilson, Carey B., 4,831,358, Cl. 340-825.500.

Wilson, Carl R.; and Neese, James A., to Sparton Corporation. Method of adjusting an electric horn air gap. 4,813,123, 3-21-89, Cl. 29-593.000.

Wilson, Charles. Exercise device for use on a pool deck weighted lever. 4,838,545, 6-13-89, Cl. 272-117.000.

Wilson, Charles A.: *See—*
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Wilson, Charles D., to Xerox Corporation. Image reproducing apparatus with CCD scanner and bubble jet printer simultaneously driven by a common belt in opposite directions and operated asynchronously. 4,839,741, 6-13-89, Cl. 358-293.000.

Wilson, Charles F., to SGS Thomson Microelectronics, Inc. Robotic hand for transporting semiconductor wafer carriers. 4,816,732, 3-28-89, Cl. 318-568.000.

Wilson, Charles M.: *See—*
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Wilson, Charles R.: *See—*
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Van Leirsburg, Dean A.; Mohr, Donald H.; Tamm, Paul W.; Jacobson, Robert L.; Hughes, Thomas R.; and Wilson, Charles R., 4,851,380, Cl. 502-37.000.

Wilson, Charles W.: *See—*
Hillebrand, Robert D.; and Wilson, Charles W., 4,854,409, Cl. 180-24.020.

Wilson, Clifford E. Compressor/pump. 4,799,868, 1-24-89, Cl. 418-36.000.

Wilson, Colleen R.; Burne, Richard A.; and Berkovich, Semyon, to Allied-Signal, Inc. Priority queuing technique for content induced transaction overlap (CITO) communication system. 4,855,997, 8-8-89, Cl. 370-85.000.

Wilson, Craig B.: *See—*
Covington, Roger G.; Jensen, Thomas D.; Miller, Stephen H.; and Wilson, Craig B., 4,853,926, Cl. 369-291.000.

Wilson, Curtis B.: *See—*
Karplus, Thomas E.; Ulevitch, Richard J.; and Wilson, Curtis B., 4,808,314, Cl. 210-638.000.

Wilson, Dallas W. RPM activated, powered limiter for pressure time vehicle engine fuel systems. 4,862,849, 9-5-89, Cl. 123-198.00D.

Wilson, David A.: *See—*
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Simon, Jaime; Garlich, Joseph R.; Wilson, David A.; and McMillan, Kenneth, 4,882,142, Cl. 424-1.220.

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Wilson, David N.: *See—*
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Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,834,999, Cl. 426-413.000.

Wilson, David P.: *See—*
Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,816,174, Cl. 252-171.000.
Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., 4,816,175, Cl. 252-171.000.
Lund, Earl A. E.; Basu, Rajat S.; and Wilson, David P., 4,816,176, Cl. 252-171.000.
Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,836,947, Cl. 252-171.000.
Lund, Earl A. E.; Richard, Robert G.; Shankland, Ian R.; and Wilson, David P., 4,842,764, Cl. 252-171.000.
Swan, Ellen L.; Basu, Rajat S.; Lund, Earl A. E.; and Wilson, David P., 4,873,015, Cl. 252-171.000.

Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark S., to Ansan Industries Limited. Programmable flow control valve unit with clock, program, automatic, manual, and repeat modes. 4,797,820, 1-10-89, Cl. 364-420.000.

Wilson, Dennis A.; Anesi, Dennis W.; and Williamsen, Mark S., to Ansan Industries Ltd. Programmable flow control valve unit. 4,807,664, 2-28-89, Cl. 137-624.110.

Wilson, Dennis L.; and O'Connor, Patrick W., to Ford Aerospace & Communications Corporation. Hybrid analog-digital filter. 4,809,203, 2-28-89, Cl. 364-602.000.

Wilson, Dennis R.; and Coffee, Robert L., to Conoco Inc. Pressure monitoring apparatus. 4,867,237, 9-19-89, Cl. 166-250.000.

Wilson, Dennis W., to Designs Unlimited, Inc. Adjustable socket-forming device. 4,798,108, 1-17-89, Cl. 81-170.000.

Wilson, Dirk A.: *See—*
MacFarlane, Ronald L.; and Wilson, Dirk A., 4,872,516, Cl. 173-134.000.

Wilson, Donald K. Faraday rotators using a movable optical element. 4,804,256, 2-14-89, Cl. 350-376.000.

Wilson, Donald K. Optical isolator employing a germanium-arsenic-selenium composition. 4,840,464, 6-20-89, Cl. 350-355.000.

Wilson, Donald K.; and Heiney, Allan. Magnetic configuration for Faraday rotators. 4,856,878, 8-15-89, Cl. 350-375.000.

Wilson, Donald W. Fluid line deicer. 4,804,013, 2-14-89, Cl. 137-351.000.

Wilson, Earl, to Kendall Company, The. Device for measuring effective porosity. 4,854,157, 8-8-89, Cl. 73-38.000.

Wilson, Earl L. System for automatically selecting and discharging a pressurized cylinder. 4,889,152, 12-26-89, Cl. 137-113.000.

Wilson, Edward E.: *See—*
Bowsky, Benjamin; Honkomp, Glenn A.; Burrows, Larry G.; and Wilson, Edward E., 4,803,136, Cl. 429-56.000.

Wilson, Edward J.: *See—*
Gardner, James D.; Mitchell, Hal D.; Stickley, Paul F.; Taylor, Alvin E.; and Wilson, Edward J., 4,850,056, Cl. 2-227.000.

Wilson, Edward L.: *See—*
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Wilson, Edward M.: *See—*
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Wilson, Elaine L., to BIO-Response, Inc. Cell lines and their use for the production of plasminogen activators. 4,798,796, 1-17-89, Cl. 435-212.000.

Wilson Engraving Company, Inc.: *See—*
Green, Eugene L., Sr.; and Taylor, Jefferson H., 4,800,287, Cl. 250-560.000.

Wilson, Eric T.: *See—*
Brash, Robert A. D.; Wicks, Anthony J.; and Wilson, Eric T., 4,797,709, Cl. 355-27.000.

Wilson, Ethan B., to Minnesota Mining and Manufacturing Company. Apparatus and method for admixture blood warming. 4,808,159, 2-28-89, Cl. 604-4.000.

Wilson Foods Corporation: *See—*
Cheng, Chin S., 4,818,548, Cl. 426-265.000.

Wilson, Gary L.: *See—*
Boyd, Ronald J.; Law, Wing; and Wilson, Gary L., 4,796,632, Cl. 128-662.030.
Carter, Paul M.; Wilson, Gary L.; and Bucksdrucker, Arthur H., 4,815,508, Cl. 144-213.000.

Wilson, Gary W. Trailer caddy. 4,824,133, 4-25-89, Cl. 280-414.100.

Wilson, Geoff. Sub-surface game fishing lure. 4,796,375, 1-10-89, Cl. 43-42.050.

Wilson, Geoffrey; and Evans, Gareth A., to Sarclad International Limited. Electrical discharge methods and apparatus therefor. 4,870,243, 9-26-89, Cl. 219-69.140.

Wilson, Geoffrey; and Hemingway, Trevor, to Dave McKee (SHeffield) Limited. Peel assembly for an ingot manipulator. 4,878,373, 11-7-89, Cl. 72-420.000.

Wilson, George R.; and Rinehart, Kenneth L. Antiviral compositions derived from fireflies and their methods of use. 4,847,246, 7-11-89, Cl. 514-175.000.

Wilson Greatbatch Ltd.: *See—*
Keister, Pamela P.; Mead, Ralph T.; Muffoletto, Barry C.; Takeuchi, Ester S.; Ebel, Steven J.; Zelinsky, Michael A.; and Greenwood, John M., 4,830,940, Cl. 429-194.000.
Rudolph, Frank W., 4,812,376, Cl. 429-101.000.

Wilson, Gregory B.; and Paddock, Gary V., to Amtron, Inc. Process for obtaining transfer factor from colostrum, transfer factor so obtained and use thereof. 4,816,563, 3-28-89, Cl. 530-344.000.

Wilson, Gregory P.: *See—*
Marry, Patrick J.; Wilson, Gregory P.; Houghton, Michael W.; and Wellenstein, Neil N., 4,827,507, Cl. 380-38.000.

Wilson, Gregory S., to United Technologies Corporation. Resiliently clamped support. 4,863,329, 9-5-89, Cl. 411-339.000.

Wilson, Harold. Windshield wiper structure. 4,852,204, 8-1-89, Cl. 15-250.070.

Wilson, Harold E.: *See—*
Bell, John A.; Wilson, Harold E.; and McSorley, Wilford L., 4,848,769, Cl. 273-184.00B.

- Wilson, Harold R.; Haworth, Richard G.; and Gingrich, Bryan R., to Haworth, Inc. Wall panel with accessible interior channels for laying in of cables. 4,841,699, 6-27-89, Cl. 52-221.000.
- Wilson, Harold R.; Lim, Hoei B.; Gingrich, Bryan R.; and Kitchen, Michael R., to Haworth, Inc. Wall panel with accessible interior channels for laying in of cables. 4,862,659, 9-5-89, Cl. 52-221.000.
- Wilson-Hench, June: *See—*
  - Low, Samuel B.; Fetner, Alan E.; Clark, Arthur E., Jr.; Hench, Larry L.; and Wilson-Hench, June, 4,851,046, Cl. 106-35.000.
- Wilson, Henry E.: *See—*
  - LeBegue, Maurice K.; and Wilson, Henry E., 4,840,432, Cl. 299-64.000.
- Wilson, Howard J. C.: *See—*
  - Bachmann, Peter K.; Geittner, Peter E. E.; Leers, Dieter; and Wilson, Howard J. C., 4,802,733, Cl. 350-96.340.
  - Bachmann, Peter K.; Hagemann, Hans-Jurgen E.; Warnier, Jacques P. M.; and Wilson, Howard J. C., 4,871,383, Cl. 65-3.120.
  - Geittner, Peter E. E.; Lydtin, Hans-Jurgen; and Wilson, Howard J. C., 4,857,091, Cl. 65-3.120.
- Wilson, Ian L.: *See—*
  - Cox, Jimmy A.; and Wilson, Ian L., 4,888,863, Cl. 29-156.80B.
- Wilson Industries, Inc.: *See—*
  - Nelson, S. Parr, 4,828,026, Cl. 166-99.000.
- Wilson, J. Chris; and Shah, Arun, to Amdahl Corporation. Data processing system having a hierarchy of service computers including a state display. 4,799,155, 1-17-89, Cl. 364-200.000.
- Wilson, Jack W.: *See—*
  - Hendricks, Robert W.; and Wilson, Jack W., 4,827,135, Cl. 250-374.000.
- Wilson, James. Cutting tool. 4,827,995, 5-9-89, Cl. 144-2.00N.
- Wilson, James A., to Double-E Inc. Blowout preventer. 4,844,406, 7-4-89, Cl. 251-1.300.
- Wilson, James B.: *See—*
  - Ledley, Robert S.; and Wilson, James B., 4,817,119, Cl. 378-9.000.
- Wilson, James C., III: *See—*
  - Wilson, Kurt D.; and Wilson, James C., III, 4,850,917, Cl. 441-79.000.
- Wilson, James D.: *See—*
  - Derdall, Gary D.; Erickson, William R.; Phinney, Robin L., and Wilson, James D., 4,828,811, Cl. 423-319.000.
  - Erickson, William R.; Stain, Donald B.; and Wilson, James D., 4,885,148, Cl. 423-309.000.
- Wilson, James E., to Stallion Trailer Kits, Inc. Spring loaded drop foot trailer jack. 4,796,864, 1-10-89, Cl. 254-425.000.
- Wilson, James F.; Koontz, Harry S.; Wagner, William E.; Everhart, John J.; Freeman, Glen E.; and Donley, Harold E., deceased (by Donley, Janice J., legal representative), to PPG Industries, Inc. Windshield moisture sensor. 4,831,493, 5-16-89, Cl. 361-286.000.
- Wilson, James F.; George, Rhett T., Jr.; and Chen, Zhenhai, to Duke University. Pneumatic limb control system. 4,876,944, 10-31-89, Cl. 91-35.000.
- Wilson, James F.: *See—*
  - Koontz, Harry S.; and Wilson, James F., 4,805,070, Cl. 361-286.000.
- Wilson, James M.: *See—*
  - McFeetors, James; and Wilson, James M., 4,833,846, Cl. 52-154.000.
- Wilson, James N.: *See—*
  - Kotyk, Wayne M.; Kirk, Thomas G.; Wilson, Robert J.; and Wilson, James N., 4,825,146, Cl. 324-58.50B.
- Wilson, James R.: *See—*
  - Lambert, Eric M.; Beck, William C.; and Wilson, James R., 4,850,915, Cl. 441-21.000.
- Wilson, James T. Therapeutic shoe. 4,852,274, 8-1-89, Cl. 36-29.000.
- Wilson, James W.: *See—*
  - Galvin, Richard W.; and Wilson, James W., 4,882,591, Cl. 343-715.000.
  - Susko, Robin A.; and Wilson, James W., 4,885,074, Cl. 204-298.000.
- Wilson, Janet M.: *See—*
  - Tabb, David L.; and Wilson, Janet M., 4,868,234, Cl. 524-236.000.
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- Wilson, Jerry F., to Manville Corporation. Handle structure for wrap-around carrier. 4,830,267, 5-16-89, Cl. 229-52.0BC.
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- Wilson, Joel D.: *See—*
  - Jackson, Brian K.; and Wilson, Joel D., 4,821,217, Cl. 364-551.010.
- Wilson, John A., to Hijack Light, Inc., The. Omnibus alarm signaling system. 4,841,277, 6-20-89, Cl. 340-426.000.
- Wilson, John B.: *See—*
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- Wilson, John C.; Santilli, Domenic; and DeMejo, Lawrence P., to Eastman Kodak Company. High resolution polyester developers for electrostatography. 4,812,377, 3-14-89, Cl. 430-109.000.
- Wilson, John C.; Stevens, Robert A.; Odorzynski, Thomas W.; Siebers, Bruce M.; and Rajala, Gregory J., to Kimberly-Clark Corporation. Fastening system for a disposable absorbent garment. 4,834,742, 5-30-89, Cl. 604-389.000.
- Wilson, John C.; and Jadwin, Thomas A., to Eastman Kodak Company. Polyesters containing covalently bound quaternary phosphonium salts. 4,855,396, 8-8-89, Cl. 528-272.000.
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  - Turner, Reed J.; Peters, Loren W.; Wilson, John E.; and Bennet Robert E., 4,875,891, Cl. 460-110.000.
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  - Pham, Xuan N.; and Wilson, John H., 4,841,574, Cl. 381-31.00
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- Wilson, Josita M.: *See—*
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- Wilson, Keith G.: *See—*
  - Tootell, Terence S.; Wilson, Keith G.; and Shoptaw, David L., 4,885,943, Cl. 73-861.770.
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  - Hensens, Otto D.; Kempf, August J.; Schwartz, Robert E.; Sykes, Ruth S.; Wichmann, Carol F.; Wilson, Kenneth E.; Zimmerman, Sheldon B.; and Zink, Deborah L., 4,806,565, Cl. 514-467.000.
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- Wilson, Larry R.: *See—*
  - Kershner, Larry D.; Reineke, Charles E.; Sarkar, Nitis; and Wilson, Larry R., 4,824,916, Cl. 525-420.000.
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- Wilson, Lonny L.: *See—*
  - Porcello, Sam J.; Manns, James M.; Player, Kenneth W.; and Wilson, Lonny L., 4,834,991, Cl. 426-94.000.
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  - Canova, Levy A.; DePasquale, Ralph J.; and Wilson, Michael E., 4,814,407, Cl. 528-21.000.
- Wilson, Michael T.: *See—*
  - Jolly, David F.; and Wilson, Michael T., 4,822,371, Cl. 623-32.000.
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  - Medioni, Gerard G. R.; Wilson, Monti R.; Prohaska, Timothy F.; and Poretta, Lynn R., 4,849,914, Cl. 364-526.000.
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  - Anderson, Maynard L.; Sprunt, Eve S.; Wilson, Peggy M.; and Wooten, Susan O., 4,848,487, Cl. 175-58.000.
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- Wilson, Raymond L.: *See—*
  - Luttmer, David J.; Panian, Thomas L.; Wixey, Barry D.; and Wilson, Raymond L., 4,873,770, Cl. 33-706.000.
- Wilson, Richard A.; Butler, Jerry F.; Withycombe, Donald; Mookherjee, Braja D.; Katz, Ira; and Schrankel, Kenneth R., to International Flavors & Fragrances Inc.; and University of Florida, The. Use of methyl-isoeugenol, n-dodecanol, 1-(2-butenoyl)-2,6,6-trimethyl-1,3-cyclohexadiene and mixtures of same as insect attractants. 4,801,446, 1-31-89, Cl. 424-84.000.
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- Wilson, Robert C.: *See—*
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- Wilson, Robert S.; and Lynch, William M. Liquified petroleum gas fuelled two stroke engine. 4,856,484, 8-15-89, Cl. 134-525.000.
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- Wilson, Ronald E.: *See—*
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- Wilson, Scott R.: *See—*
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- Wilson Sporting Goods Co.: *See—*
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Wimbush, Maurice J., to Automotive Products PLC. Inertia valve. 4,810,041, 3-7-89, Cl. 303-24.100.
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Trager, Fred C.; Mansell, J. Douglas; and Wimer, W. Eugene, 4,818,513, Cl. 423-488.000.
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Wimmer, Guenther W., to Tektronix, Inc. Phase-offset signal generator. 4,885,554, 12-5-89, Cl. 331-25.000.
Wimmer, Joachim, to Park Dental Research Corp. Dental submergible endosseous implant. 4,799,886, 1-24-89, Cl. 433-176.000.
Wimmer, Martin: *See*—
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Giles, Conley W.; Teare, Karen L.; and Wimmer, R. Peyton, 4,881,803, Cl. 351-156.000.
Wimmer, Shirley A. Undergarment having brassiere and abdomen support sections. 4,822,317, 4-18-89, Cl. 450-14.000.
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Wimmers, James E.; and Winters, Thomas B., to Nestec S.A. Method for producing coffee having a foamed surface. 4,830,869, 5-16-89, Cl. 426-595.000.
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Win, Maung H.; Lloyd, William D.; Abba, William A.; and Dupont, Diego H., to Kimberly-Clark Corporation. High melting temperature laundry detergent sheet. 4,853,142, 8-1-89, Cl. 252-90.000.
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Win, Michael M., to Mobil Oil Corporation. Industrial pallet. 4,84 7-11-89, Cl. 108-51.100.
Winand, Rene, to Cockerill S.A. Process and unit for preparing alloyed and non-alloyed reactive metals by reduction. 4,830,665, 5-16-89, Cl. 75-10.190.
Winant, Arnold F. Light bulb socket. 4,875,866, 10-24-89, Cl. 439-140.000.
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Winbow, Graham A.; Chen, Sen-Tsuen; and Rice, James A., to Exxon Production Research Company. Shear wave logging using acoustic multipole devices. 4,855,963, 8-8-89, Cl. 367-31.000.
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Winckler, John. Apparatus for holding articles to a bed. 4,831,673, 5-23-89, Cl. 5-503.000.
Winckler, Peter S.; and Preston, David M., to Eaton Corporation. Four wheel steering having closed hydraulic system with pressure relief. 4,830,128, 5-16-89, Cl. 180-140.000.
Winckler, Peter S., to Eaton Corporation. Exclusion seal assembly. 4,848,776, 7-18-89, Cl. 277-23.000.
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Winderl, Stephen. Vibrating sluice box. 4,860,874, 8-29-89, Cl. 193-2.00B.
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Wing, George S. Process for making a joint with a torque-limited collar. 4,858,299, 8-22-89, Cl. 29-446.000.
Wing, George S. Process for setting a threaded torque-limited collar and pin joint. 4,881,316, 11-21-89, Cl. 29-510.000.
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- Henderson, James F.; and Wingham, Philip J., 4,836,122, Cl. 114-243.000.

Wingler, Frank; Summermann, Klaus; Wassmuth, Gerd; Pischtschan, Alfred; and Doring, Joachim, to Bayer Aktiengesellschaft. Process for the preparation of binary α-methylstyrene/acrylonitrile resins by multi-stage bulk polymerization. 4,795,780, 1-3-89, Cl. 525-53.000.

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Wingrave, James A., to Du Pont de Nemours, E. I., and Company. Method and apparatus for determining physical integrity of geological strata. 4,852,400, 8-1-89, Cl. 73-153.000.

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Winiger, Hans-Rudolf, to Notrom Engineering AG. Optoelectronic theodolite sensor. 4,861,981, 8-29-89, Cl. 250-231.00R.

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Winkam, Gamjad; and Lommerzheim, Manfred, to Bayerische Motoren Werke Aktiengesellschaft. Lockable differential gear. 4,811,628, 3-14-89, Cl. 74-710.500.

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Winkelbauer, Howard M.; and Moore, Glenn A., to Dresser Industries, Inc. Process for manufacturing ultra pure silica and resulting encapsulated products. 4,810,415, 3-7-89, Cl. 252-183.130.

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Winkler, Gert; Zielinski, Erich; and Bierwirth, Adolf P., to Rheinmetall GmbH. Loading device for a tubular weapon. 4,833,969, 5-30-89, Cl. 89-36.130.

Winkler, Gert; and Nordmann, Adolf, to Rheinmetall GmbH. Magazine arrangement for a tank. 4,836,085, 6-6-89, Cl. 89-45.000.

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Winkler, Hans-Henning; and Rutschle, Eugen, to Chiron-Werke GmbH & Co. KG. Protective covering for a machine tool comprising a loading door. 4,842,455, 6-27-89, Cl. 409-134.000.

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Winkler, Hans-Henning: *See—*
- Rutschle, Eugen; and Winkler, Hans-Henning, 4,850,764, Cl. 409-198.000.
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Winkler, Otmar; Brandenstein, Manfred; and Hans, Rudiger, to SKF GmbH. Vibration-damped spring. 4,822,008, 4-18-89, Cl. 267-74.000.

Winkler, Otto; and Hofer, Hans, to Balzers Aktiengesellschaft. Single crystal emitter with heater wire embedded therein. 4,843,277, 6-27-89, Cl. 313-346.00R.

Winkler, Robert; Sala, Siro; Kobayashi, Yakayuki; and Yokota, Shojiro, to Sulzer-Escher Wyss AG; and Ube Industries, Ltd. Method and apparatus for preparing high-concentration alkali. 4,830,7 5-16-89, Cl. 159-47.100.

Winkler, Theodore; and Burger, Fredric W., to Brandt, Inc. Compact apparatus for dispensing a preselected mix of paper currency or the like. 4,877,230, 10-31-89, Cl. 271-3.000.

Winkler, William M.: *See—*
- Small, Leonard E.; Garrison, Paul H., Jr.; Winkler, William M.; Seaman, Sharon A.; and Papa, Alyce J., 4,812,253, Cl. 252-132.000.

Winkley, Michael W.; and Diebold, James L., to American Home Products Corporation. N-substituted-hexahydro-1,2,5-triazepines. 4,801,706, 1-31-89, Cl. 540-554.000.

Winkley, Michael W.; and Diebold, James L., to American Home Products. 1,2,3,4,5,6-hexahydro[1,3,6]triazocino[1,2-a]benzimidazoles. 4,882,323, 11-21-89, Cl. 514-183.000.

Winn, Klaus: *See—*
- Weyel, Karl; Winn, Klaus; and Engelbach, Karl L., 4,811,508, Cl. 40-607.000.

Winn, Michael L.: *See—*
- Wang, Samuel C.; Swab, John M.; and Winn, Michael L., 4,862,276, Cl. 358-213.310.

Winnacker, Albrecht: *See—*
- Stich-Baumeister, Eva-M.; Dohnke, Karl-Otto; and Winnacker, Albrecht, 4,872,759, Cl. 356-432.000.

Winnacker, Ernst-Ludwig: *See—*
- Grill, Erwin; Winnacker, Ernst-Ludwig; and Zenk, Meinhart H., 4,883,861, Cl. 530-326.000.

Winnek, Douglas F.: *See—*
- Shrader, Robert L.; and Winnek, Douglas F., 4,823,156, Cl. 354-115.000.

Winner, James: *See—*
- Johnson, Charles R., 4,856,308, Cl. 70-209.000.

Winnerl, Josef; and Takacs, Dezso, to Siemens Aktiengesellschaft. Integrated circuit in complementary circuit technology comprising a substrate bias voltage generator and a Schottky diode. 4,807,010, 2-21-89, Cl. 357-42.000.

Winnerl, Josef; and Takacs, Dezso, to Siemens Aktiengesellschaft. Integrated circuit in complementary circuit technology comprising a substrate bias generator. 4,873,668, 10-10-89, Cl. 365-189.090.

Winnerl, Josef: *See—*
- Neppl, Franz; and Winnerl, Josef, 4,855,245, Cl. 437-31.000.
- Neppl, Franz; and Winnerl, Josef, 4,884,117, Cl. 357-43.000.
- Reczek, Werner; and Winnerl, Josef, 4,798,974, Cl. 307-296.00R.

Winners' Choice Selector Inc., The: *See—*
- Gaylor, Eli, 4,861,032, Cl. 273-144.00B.

Winners Japan Company Limited: *See—*
- Nakamura, Katunori, 4,823,803, Cl. 128-717.000.

Winnik, Francoise M.; Ober, Christopher K.; and Croucher, Melvin D., to Xerox Corporation. Processes for colored particles from polymerizable dyes. 4,795,794, 1-3-89, Cl. 526-259.000.

Winnik, Francoise M.; and Keoshkerian, Barkev, to Xerox Corporation. Ink jet inks containing colored silica particles. 4,877,451, 10-31-89, Cl. 106-23.000.

Winnik, Francoise M.: *See—*
- Egan, Luke S.; Winnik, Mitchell A.; and Winnik Francoise M., 4,880,432, Cl. 8-647.000.

Winnik, Mitchell A.; and Borg, Robert M., to University of Toronto Innovations Foundation, The. Modified, water-soluble polymers containing amide groups reacted with xanthydrol and other dyes. 4,813,973, 3-21-89, Cl. 8-647.000.

Winnik, Mitchell A.: *See—*
- Egan, Luke S.; Winnik, Mitchell A.; and Winnik, Francoise M., 4,880,432, Cl. 8-647.000.

Winning, Michael: *See—*
- Shirley-Smith, Leo D.; and Winning, Michael, 4,817,251, Cl. 24-710.400.

Winninghorse, SRL: *See—*
- Gaggianese, Giancarlo, 4,865,285, Cl. 248-309.400.

Winquist, Bruce H. C., to Shell Oil Company. Novel process for the preparation of ZSM-5 aluminosilicate zeolite. 4,818,507, 4-4-89, Cl. 423-328.000.

Winqvist, Hans-Erik: *See—*
- Rantanen, Raimo; Huhta, Pentti; and Winqvist, Hans-Erik, 4,871,059, Cl. 198-532.000.

Winship, Bruce A.: *See—*
- Evangelista, Donato D.; Horak, Eugene F.; and Winship, Bruce A., 4,843,436, Cl. 355-133.000.

Winship, Robert W.: *See—*
- Beswick, Frank; and Winship, Robert W., 4,856,640, Cl. 198-311.000.

Winslow, Alan K.: *See—*
- Dils, Ray R.; and Winslow, Alan K., 4,845,647, Cl. 364-557.000.

Winslow, Denis M. W. Mechanical seal. 4,819,950, 4-11-89, Cl. 277-93.0SD.

Winslow, Denis M. W. Seal protection apparatus. 4,865,333, 9-12-89, Cl. 277-28.000.

Winslow, Donald L.: *See—*
- Trenkler, George; Delagi, Richard G.; Padovani, Francois A.; and Winslow, Donald L., 4,890,083, Cl. 335-301.000.

Winslow, John S.: *See—*
- Wilkinson, Richard L.; and Winslow, John S., 4,809,022, Cl. 346-135.100.

Winslow, Paul A.; and Matzner, Markus, to Amoco Corporation. Chain-extended poly(aryl ether ketones). 4,820,790, 4-11-89, Cl. 528-125.000.

Winslow, Paul A.: *See—*
- Clendinning, Robert A.; Harris, James E.; Kwiatkowski, George T.; McMaster, Lee P.; Matzner, Markus; and Winslow, Paul A., 4,861,915, Cl. 568-328.000.
- Matzner, Markus; Winslow, Paul A.; and Papuga, Donald M., 4,870,155, Cl. 528-171.000.

Winsor, Margaret E.: *See—*
- Eng, Benjamin, Jr.; and Winsor, Margaret E., 4,857,878, Cl. 336-192.000.

Winsor, Niels K.: *See—*
- Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,508, Cl. 60-203.100.
- Burton, Rodney L.; Goldstein, Yeshayahu S. A.; Tidman, Derek A.; and Winsor, Niels K., 4,821,509, Cl. 60-203.100.

Winston, Anthony; Marder, Herman; and Sorenson, Wayne, to Church & Dwight Co., Inc. Hydrogen peroxide-releasing tooth powder. 4,812,308, 3-14-89, Cl. 424-52.000.

Winston, Anthony E.; Brown, Raymond S.; Lawson, Frederick W.; and Uen, Norman, to Church & Dwight Co. Inc. Air deodorizer composition and method. 4,851,212, 7-25-89, Cl. 424-45.000.

Winston, Charles R., to United Technologies Corporation. High integrity optical data transmission system. 4,850,043, 7-18-89, Cl. 455-607.000.

Winston, Edith. Ankle exercise weight. 4,838,546, 6-13-89, Cl. 272-119.000.

Winston, Felix J.; and Steinhart, David L., to Di Giorgio Corporation. Muntin framing system. 4,845,911, 7-11-89, Cl. 52-456.000.

Winston, Flaura K.; Thibault, Lawrence E.; and Macarak, Edward J., to University of Pennsylvania, Trustees of the. Apparatus for mechanically stimulating cells. 4,851,354, 7-25-89, Cl. 435-284.000.

Winston Furniture Company Inc.: *See—*
- Tesney, Bobby, 4,823,709, Cl. 108-157.000.

Winston Furniture Company of Alabama, Inc.: *See—*
- Saiger, Herbert C., 4,828,320, Cl. 297-229.000.

Winston, Gary A. Child's decorative garment. 4,847,916, 7-18-89, Cl. 2-113.000.

Winston, Jeffrey M. Rolling contact printer with retractable inking wheel. 4,817,526, 4-4-89, Cl. 101-329.000.

Winston, John H., to Outboard Marine Corporation. Piston and piston ring construction. 4,883,029, 11-28-89, Cl. 123-193.00P.

Winston, Rebecca Drusilla: *See—*
- Winstone, Violet M., 4,856,856, Cl. 312-231.000.

Winston, Robert H., to Creative Structures, Inc. Self-locking mortise and tenon joint. 4,797,020, 1-10-89, Cl. 403-231.000.

Winston, Steven J.: *See—*
- Mallory, Charles W.; Watts, Ralph E.; Sanner, William S., Jr.; Disibio, Ralph R.; Lilley, Arthur W.; Winston, Steven J.; Stricklin, Billy C.; and Razor, John E., 4,845,372, Cl. 250-506.100.

Winstone, Violet M., to Winston, Rebecca Drusilla. Portable artist's supply box and easel. 4,856,856, 8-15-89, Cl. 312-231.000.

Winstrom-Olsen, Bjarne: *See—*
- Jensen, Arne S.; Winstrom-Olsen, Bjarne; and Borreskov, Jorgen, 4,813,155, Cl. 34-57.00E.

Winstrom, William L., to Intermedics, Inc. Apparatus for generating multiphasic defibrillation pulse waveform. 4,800,883, 1-31-89, Cl. 128-419.00D.

Wint, Robert L.: *See—*
- Katerberg, James A.; Wint, Robert L.; and Lewis, Richard A., 4,878,064, Cl. 346-75.000.

Wintel Service Corporation: *See—*
- Staggs, Gregory D.; and Brown, Richard S., 4,845,742, Cl. 379-155.000.

Winter, Alfred: *See—*
- Nowak, Gerhard; Kruschik, Klaus; Morbitzer, Hans P.; Theuer, Rudolf; and Winter, Alfred, 4,880,252, Cl. 280-618.000.

Winter, Amos G., IV. Prefabricated panel having a joint thereon. 4,833,855, 5-30-89, Cl. 52-592.000.

Winter, Amos G., IV. Tapered dovetail mortise and tenon joint structure. 4,867,598, 9-19-89, Cl. 403-381.000.

Winter, Arthur, to Victory Engineering Company. Alignment button for stereotaxic plug and method of using the same. 4,826,487, 5-2-89, Cl. 604-175.000.

Winter, Arthur: *See—*
- Mascuch, Frank; and Winter, Arthur, 4,796,637, Cl. 128-658.000.

Winter, Benjamin J., to Winter Design/Manufacturing, Inc. Game ball. 4,887,814, 12-19-89, Cl. 273-65.0EE.

Winter, Christopher S.; and Kashyap, Raman, to British Telecommunications public limited company. Optical switching devices having liquid crystal with splayed molecular orientation. 4,840,461, 6-20-89, Cl. 350-346.000.

Winter, Daryl B.: *See—*
- Meyer, Richard S.; Root, Jeffrey M.; Campbell, Michael L.; and Winter, Daryl B., 4,840,815, Cl. 426-611.000.

Winter, David C., to Deere & Company. Hydraulic weight transfer system for an implement with a lift assist wheel. 4,817,730, 4-4-89, Cl. 172-328.000.

Winter, David C., to Deere & Company. Implement having parallel cylinder depth control and series cylinder lift. 4,821,806, 4-18-89, Cl. 172-4.000.

Winter, Dean C.: *See—*
- Perry, William D.; and Winter, Dean C., 4,830,017, Cl. 128-672.000.
- Wenzel, Dennis J.; Winter, Dean C.; and Honeyager, Kevin S., 4,836,213, Cl. 128-672.000.

Winter Design/Manufacturing, Inc.: *See—*
- Winter, Benjamin J., 4,887,814, Cl. 273-65.0EE.

Winter, Gerald J.: *See—*
- Barnes, Robert C.; Caporaso, John A.; Winter, Gerald J.; and Karwowski, Jan, 4,848,579, Cl. 206-508.000.

Winter, Heinrich: *See—*
- Grunthaler, Karl-Heinz; Langbein, Dieter; Nilmen, Fehmi; and Winter, Heinrich, 4,818,283, Cl. 75-247.000.

Winter, Herbert: *See—*
- Beyer, Hans-Ernst; Bonitz, Jorg; Entenmann, Robert; Forster, Siegmar; Knab, Rochus; Kunzel, Walter; Kugler, Wolfgang; Mahlberg, Alfred; Miller, Bernhard; Philipp, Matthias; Rohde, Siegfried; Unland, Stefan; Viess, Walter; Winter, Herbert; and Zimmermann, Jurgen, 4,889,094, Cl. 123-414.000.

Winter, Hermann: *See—*
- Hammer, Klaus-Dieter; Siebrecht, Manfred; and Winter, Hermann, 4,871,791, Cl. 524-35.000.

Winter, Horst: *See—*
- Pietzsch, Ludwig; Senger, Detlef; Winter, Horst; and Vollinger, Hubert, 4,876,600, Cl. 358-183.000.

Winter, James: *See—*
- Raskin, Jef; Winter, James; and Curry, Renwick, 4,806,916, Cl. 340-709.000.

Winter, Jerry A. Mouse maze game. 4,850,592, 7-25-89, Cl. 273-109.000.

Winter, John M.: *See—*
- Schiefen, Daniel R.; and Winter, John M., 4,829,147, Cl. 200-17.00R.

Winter, Josef: *See—*
- Kubis, Heribert; and Winter, Josef, 4,867,118, Cl. 123-193.0CH.

- Winter, Joseph; and Smith, Warren F., Jr., to Olin Corporation. Long-length continuous metal strip feed device. 4,844,360, 7-4-89, Cl. 242-55.000.
- Winter, Joseph; and Pryor, Michael J., to Olin Corporation. Optical fiber communication cable having a high strength, drawn copper alloy tube. 4,878,733, 11-7-89, Cl. 350-96.230.
- Winter, Kent L. Snow plow guards. 4,833,801, 5-30-89, Cl. 37-270.000.
- Winter, Kurt: *See—*
  - Jacopich, Werner; Winter, Kurt; and Mayr, Siegfried, 4,857,761, Cl. 307-350.000.
- Winter, Manfred: *See—*
  - Hoederath, Wolfgang; Ahr, Hans J.; Buhner, Klaus; Hegasy, Ahmed; and Winter, Manfred, 4,842,856, Cl. 424-101.000.
- Winter, Peter M.; Ray, Thomas R.; and Burkhardt, Mary E., to Keycom Electronic Publishing. Method and videotex apparatus for fast access of remotely located information. 4,814,972, 3-21-89, Cl. 364-200.000.
- Winter, Rainer: *See—*
  - Eckes, Helmut; Winter, Rainer; and Munkel, Albert, 4,812,492, Cl. 523-351.000.
- Winter, Robert W. Tool pack apparatus. 4,874,119, 10-17-89, Cl. 224-202.000.
- Winter, Roland A. E.: *See—*
  - Seltzer, Raymond; and Winter, Roland A. E., 4,847,367, Cl. 534-649.000..
  - Seltzer, Raymond; and Winter, Roland A. E., 4,861,813, Cl. 524-91.000.
- Winter, Ronald A. E.; and Galbo, James P., to Ciba-Geigy Corporation. N-hydroxy hindered amine stabilizers. 4,831,134, 5-16-89, Cl. 540-524.000.
- Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, to Russell William, Ltd. Tubular support display system. 4,852,839, 8-1-89, Cl. 248-225.100.
- Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kain, Richard S., to Russell William, Ltd. Shelf mounting system. 4,854,535, 8-8-89, Cl. 248-225.200.
- Winter, Russell K.; Harvey, Thomas D.; Kain, Richard S.; and Savas, Nedim, to Russel William Ltd. Shelving system. 4,858,774, 8-22-89, Cl. 211-184.000.
- Winter, Susan C.; and Szabo-Aczel, Stefan, to Topicarn, Inc. Topical L-carnitine composition. 4,839,159, 6-13-89, Cl. 424-59.000.
- Winter, Udo: *See—*
  - Gaebel, Heinz-Ulrich; Kirchner, Heinrich; Maxa, Vladimir; and Winter, Udo, 4,795,951, Cl. 318-293.000.
- Winter, William E.: *See—*
  - Maa, Peter S.; Vernon, Lonnie W.; Winter, William E.; and Singhal, Gopal H., 4,824,558, Cl. 208-420.000.
- Winterburn, Charles B., to Laser Impressions (Stockport) Limited. Printing and packaging system and identifying an item of printed matter. 4,835,544, 5-30-89, Cl. 346-1.100.
- Winterburn, John A., to Thermal Syndicate P.L.C. Method of purifying vitreous silica. 4,874,417, 10-17-89, Cl. 65-111.000.
- Winterer, Martin: *See—*
  - Pfeifer, Heinrich; Reich, Werner; and Winterer, Martin, 4,872,129, Cl. 364-724.100.
- Winterfeld, Donald E. Turn signal apparatus. 4,801,917, 1-31-89, Cl. 340-81.00R.
- Winterhalter, Walter; and Halssig, Andreas, to Gebruder Junghans GmbH. Safety fuse for a spinning-type projectile. 4,798,140, 1-17-89, Cl. 102-251.000.
- Winterle, Albert. Rod-piston connection. 4,815,360, 3-28-89, Cl. 92-255.000.
- Wintermantel, Erich; and Landwehr, Oswald, to Wintermantel, Erich. Profile elements, particularly for supply and/or removal of substances from environmental and/or flow material. 4,799,822, 1-24-89, Cl. 405-46.000.
- Wintermantel, Klaus: *See—*
  - Holzknecht, Bernhard; Fuchs, Hugo; Hetzel, Eckhard; Wintermantel, Klaus; and Thoma, Peter, 4,795,571, Cl. 210-774.000.
- Winternitz, Paul: *See—*
  - Wenger, Jean; and Winternitz, Paul, 4,812,164, Cl. 71-92.000.
  - Wenger, Jean; and Winternitz, Paul, 4,859,229, Cl. 71-92.000.
- Winterrowd, Kenneth W.: *See—*
  - Lynde, Gerald D.; Winterrowd, Kenneth W.; and Harvey, Harold H., Jr., 4,796,709, Cl. 166-55.600.
- Winters Canning Co.: *See—*
  - Yokoyama, Wallace H.; Fraser, Mark S.; and Khatri, Lakho L., 4,814,195, Cl. 426-633.000.
- Winters, Cathy L.: *See—*
  - Fahrenkrug, Anne M.; Winters, Cathy L.; and Logsdon, Nanette J., 4,847,134, Cl. 428-138.000.
- Winters, Clyde J.: *See—*
  - Bokelund, Carl G.; Cronan, Michael P.; and Winters, Clyde J., 4,813,196, Cl. 52-775.000.
- Winters, Geert: *See—*
  - Engel, Ludovicus H. M.; Pieket Weeserik, Pieter C.; and Winters, Geert, 4,811,087, Cl. 358-36.000.
- Winters, Melvin M.: *See—*
  - Marsala, Joseph; and Winters, Melvin M., 4,879,879, Cl. 62-202.000.
- Winters, Michael P. Golf club grip. 4,867,453, 9-19-89, Cl. 273-81.400.
- Winters, R. Edward, to Advanced Biomedical Devices, Inc. Steerable guidewire for vascular system. 4,873,983, 10-17-89, Cl. 128-657.000.
- Winters, Raymond S., to Environetics, Inc. Tank and method of making same. 4,860,916, 8-29-89, Cl. 220-5.00A.
- Winters, Robert E., to Dow Chemical Company, The. Pipe support assembly. 4,826,113, 5-2-89, Cl. 248-72.000.
- Winters, Thomas B.: *See—*
  - Wimmers, James E.; and Winters, Thomas B., 4,830,869, Cl. 426-595.000.
- Winters, Warren J.; and Landreth, Johnie L., to Amoco Corporation. Method of loggging an inclined wellbore. 4,807,717, 2-28-89, Cl. 181-102.000.
- Winters, Warren J.: *See—*
  - Warren, Tommy M.; and Winters, Warren J., 4,854,397, Cl. 175-26.000.
  - Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,862,974, Cl. 175-61.000.
  - Warren, Tommy M.; and Winters, Warren J., 4,871,037, Cl. 175-67.000.
  - Warren, Tommy M.; Winters, Warren J.; and Brett, James F., 4,881,605, Cl. 175-320.000.
- Winters, William L. Method and apparatus for sealing and protecting loading dock doorways. 4,873,801, 10-17-89, Cl. 52-173.0DS.
- Wintershall AG: *See—*
  - Jahn-Heid, Wilhelm; Lindoerfer, Walter; and Wartenpfuhl, Fredel, 4,886,393, Cl. 405-128.000.
  - Voigts, Eckhard; Achilles, Hans H.; Haussler, Adolf; and Peschel, Eberhard, 4,862,973, Cl. 175-52.000.
  - Wagner, Fritz; Syldatk, Christoph; Matulowic, Uwe; Hofmann, Hans-Jurgen; Sewe, Kai-Udo; and Lindorfer, Walter, 4,814,272, Cl. 435-74.000.
- Winterson, Warren D.: *See—*
  - Tamol, Ronald A.; Nepomuceno, Jose G.; Keritsis, Gus D.; Burnett, George H.; Thesing, Richard A.; Winterson, Warren D.; and Nichols, Walter A., 4,874,000, Cl. 131-375.000.
- Winterstein, Kenneth M.: *See—*
  - Ryan, David; Schwartz, Lawrence D.; Wallis, Philip; and Winterstein, Kenneth M., 4,868,023, Cl. 428-35.100.
- Winthrop, John T., to American Optical Corporation. Progressive addition spectacle lens. 4,861,153, 8-29-89, Cl. 351-169.000.
- Winton, Robert A.: *See—*
  - Ellison, Thomas M.; and Winton, Robert A., 4,810,540, Cl. 428-31.000.
- Winyard, David C., to United States of America, Navy. Multiple tool engagement single screw mechanism. 4,824,348, 4-25-89, Cl. 418-195.000.
- Winyard, Frank; Bremner, Gordon; and Petroff, Cvetan, to McPherson's Limited. Retractable blade knife. 4,862,590, 9-5-89, Cl. 30-161.000.
- Winzeler Stamping Company: *See—*
  - Merrifield, Richard H., 4,832,509, Cl. 384-21.000.
  - Puls, Kenneth B., 4,850,620, Cl. 285-174.000.
- Winzen International, Inc.: *See—*
  - Rand, James L., 4,877,205, Cl. 244-31.000.
- Winzen, Wilfried; and Wunschmann, Manfred, to Witzenmann GmbH Metallschlauch-Fabrik Pforzheim. Jointed pipe connection, particularly for automotive exhaust pipes. 4,875,716, 10-24-89, Cl. 285-137.100.
- Winzenburg, Mark L.: *See—*
  - Jezl, James L.; Michaels, Glenn O.; Spangler, Michael J.; and Winzenburg, Mark L., 4,814,539, Cl. 585-500.000.
- Winzer, Gerhard; Maerz, Reinhard; and Stoll, Lothar, to Siemens Aktiengesellschaft. Integrated-optical arrangement for bidirectional optical message or signal transmission. 4,860,294, 8-22-89, Cl. 372-7.000.
- Wionsek, Horst: *See—*
  - Kamp, Heinz; Becker, Rolf; and Wionsek, Horst, 4,807,822, Cl. 242-43.00R.
- Wipfelder, Ernst: *See—*
  - LeBisch, Helmut; Basel, Rainer; Fuchs, Georg; Dietmar, Hermann; Wipfelder, Ernst; and Hekele, Wilhelm, 4,871,502, Cl. 264-222.000.
- Wipfli, John L.: *See—*
  - Bain, William L., Jr.; Bedichek, Robert C.; Cox, George W.; Grasel, Gerhard; Peterson, Craig B.; Rattner, Justin R.; Singh, Gurbir; Singh, Gurbir; and Wipfli, John L., 4,803,622, Cl. 364-200.000.
  - Bain, William L., Jr.; Carson, David G.; Cox, George W.; Duzett, Robert C.; Hosler, Brad W.; Ogilvie, Scott A.; Peterson, Craig B.; and Wipfli, John L., 4,829,425, Cl. 364-200.000.
  - Bain, William L., Jr.; de Oliveira Camargo, Marcos; Duzett, Robert C.; Lederhofer, Artur H.; Peterson, Craig B.; and Wipfli, John L., 4,853,849, Cl. 364-200.000.
  - Goodman, Allan L.; Green, Morris H.; Jolley, Matthew J.; Teitzel, Robin L.; and Wipfli, John L., 4,806,921, Cl. 340-747.000.
- Wippich, Heinz-Georg: *See—*
  - Walther, Gerd-Jurgen; Wech, Herbert; and Wippich, Heinz-Georg, 4,832,425, Cl. 350-6.500.
- Wire Products Co., Inc.: *See—*
  - Breeden, Winston H., Jr.; Kennedy, Edward S.; and Wright, Phillip A., 4,795,115, Cl. 248-59.000.
- Wireman, Wallace. Gas & odor adsorbing unit. 4,879,914, 10-24-89, Cl. 55-389.000.
- Wiren, Gary: *See—*
  - Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.
- Wirick, Michael P., to Hughes Aircraft Company. Method and apparatus for calibrating an imaging sensor. 4,876,453, 10-24-89, Cl. 250-332.000.
- Wirkus, Clarence. Method of and apparatus for fishing with a backwards hook. 4,881,339, 11-21-89, Cl. 43-42.040.

- Wirl, Alexander: *See—*
  - Stemmle, Berthold; Wirl, Alexander; and Demmer, Fritz, 4,828,839, Cl. 424-452.000.
- Wirt, Michael L.; Sangregory, Jude; and Bridges, Mark E., to Eastman Kodak Company. Mechanism for handling slides and film strips. 4,858,003, 8-15-89, Cl. 358-102.000.
- Wirtes, Joseph B.: *See—*
  - Gottlieb, Alfred; and Wirtes, Joseph B., 4,830,252, Cl. 227-8.000.
- Wirth, Charles V.: *See—*
  - Landis, Timothy J.; and Wirth, Charles V., 4,850,049, Cl. 2-10.000.
- Wirth Gallo Messtechnik AG: *See—*
  - Wirth, Johannes, 4,844,192, Cl. 177-225.000.
- Wirth, Gunter; Grundhoff, Karl-Josef; and Schurmann, Hartmut, to Deutsche Forschungs-und Versuchsanstalt fur luft-und Raumfahrt e.V. Process for improving the static and dynamic mechanical properties of $(\alpha+\beta)$-titanium alloys. 4,842,653, 6-27-89, Cl. 148-12.70B.
- Wirth, Hans-Joachim: *See—*
  - Feger, Rolf; Holzmacher, Gunther; and Wirth, Hans-Joachim, 4,835,666, Cl. 362-268.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, to Ciba-Geigy Corporation. Lubricant compositions, novel glucamine derivatives and complex compounds containing same. 4,808,755, 2-28-89, Cl. 564-501.000.
- Wirth, Hermann O.; and Friedrich, Hans-Helmut, to Ciba-Geigy Corporation. Hydraulic fluid compositions, novel glucamine derivatives and complex compounds containing same. 4,830,770, 5-16-89, Cl. 252-77.000.
- Wirth, Hermann O.; Schneider, Rainer; and Friedrich, Hans-Helmut, to Ciba-Geigy Corporation. Reaction products of bisglycidyl thioethers. 4,835,310, 5-30-89, Cl. 252-47.500.
- Wirth, Hermann O.; and Muller, Klaus, to Ciba-Geigy Corporation. Methylphosphonic acid amine salt lubricant additives. 4,847,457, 7-11-89, Cl. 562-8.000.
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- Wirth, Hermann O.; and Friedrich, Hans-Helmut, to Ciba-Geigy Corporation. Lubricant compositions, novel glucamine derivatives and complex compounds containing same. 4,886,610, 12-12-89, Cl. 252-32.500.
- Wirth, Hermann O.: *See—*
  - Gusten, Hans; Ache, Hans-Joachim; Rinke, Monika; and Wirth, Hermann O., 4,876,029, Cl. 252-301.170.
  - Kristen, Ulrich; and Wirth, Hermann O., 4,889,938, Cl. 549-10.000.
  - Philips, Emyr; O'Neil, Robert M.; and Wirth, Hermann O., 4,859,354, Cl. 252-47.500.
- Wirth, Johannes, to Wirth Gallo Messtechnik AG. Scale. 4,844,192, 7-4-89, Cl. 177-225.000.
- Wirth, Lawrence W.: *See—*
  - Carlson, Warner P.; Wirth, Lawrence W.; and Parks, Dale B., 4,817,071, Cl. 369-36.000.
- Wirth, Peter: *See—*
  - Martinen, Hinrich; Simonsson, Samuel; and Wirth, Peter, 4,807,236, Cl. 372-33.000.
- Wirth, Phillip W.: *See—*
  - Elsohly, Mahmoud; Turner, Carlton E.; Murphy, James C.; and Wirth, Phillip W., 4,837,228, Cl. 514-456.000.
- Wirth, Ronald P.: *See—*
  - Mattison, Phillip L.; Wirth, Ronald P.; Virnig, Michael J.; and Krbechek, LeRoy, 4,886,889, Cl. 548-497.000.
- Wirth, Wolfgang; Niessen, Heinz J.; and Klinksiek, Bernd, to Bayer Aktiengesellschaft. Pyrethroid macroemulsions containing polyvinyl alcohol. 4,814,167, 3-21-89, Cl. 424-78.000.
- Wirth, Wolfgang; Niessen, Heinz J.; Goossens, John W. S.; and Schulze, Hans, to Bayer Aktiengesellschaft. Biocidal macroemulsions containing polyvinyl alcohol. 4,824,663, 4-25-89, Cl. 424-78.000.
- Wirth, Xaver, to Knorr-Bremse AG. Combined service and spring-loaded brake cylinder. 4,795,005, 1-3-89, Cl. 188-153.00R.
- Wirtz, Hans P., to Ford Motor Company. Hydrodynamic torque converter having variable stator plate orifice. 4,848,084, 7-18-89, Cl. 60-342.000.
- Wirtz, Robert, to Reifenhauser GmbH & Co. Maschinenfabrik. Process and extrusion apparatus for extruding a plastic web. 4,858,139, 8-15-89, Cl. 364-473.000.
- Wirz, Armin: *See—*
  - Busenhart, Peter; Schneeberger, Ruedi; Holbein, Erwin; Wirz, Armin; Flueli, Adolf; and Maier, Hansueli, 4,811,910, Cl. 242-18.00R.
- Wirz, Arno, to Heidelberger Druckmaschinen AG. Sheet-fed rotary printing machine with printing units arranged in tandem. 4,856,426, 8-15-89, Cl. 101-217.000.
- Wirz, Arno; and Sobotta, Peter, to Heidelberger Druckmaschinen AG. Suction head with lifting suction devices. 4,869,489, 9-26-89, Cl. 271-90.000.
- Wirz, Arno: *See—*
  - Becker, Willi; and Wirz, Arno, 4,815,379, Cl. 101-246.000.
- Wirz, Peter; Pfannekuche, Heinz-Wilhelm; Bathon, Thomas; and Eckert, Karl, to Leybold Aktiengesellschaft. Apparatus for the production of coatings of uniform thickness profile on substrates, especially by cathode sputtering. 4,869,802, 9-26-89, Cl. 204-298.000.
- Wirz, Peter: *See—*
  - Arnold, Manfred; and Wirz, Peter, 4,824,545, Cl. 204-298.000.
  - Buschang, Gerhard; Hartmann, Albert; Hirt, Hans; Lucas, Bohumir; and Wirz, Peter, 4,885,285, Cl. 514-114.000.
  - Hubert, Peter; Kussel, Barbara; and Wirz, Peter, 4,818,358, Cl. 204-298.000.
  - Wolf, Bernd; and Wirz, Peter, 4,810,346, Cl. 204-298.000.
- Wisap, Gesellschaft fur Wissenschaftlichen Apparatebau mbH: *See—*
  - Semm, Kurt, 4,830,002, Cl. 128-321.000.
- Wisbey, Jerry D., to Cincinnati Milacron Inc. Compliant presser member for fiber placement machine. 4,869,774, 9-26-89, Cl. 156-523.000.
- Wisbey, Robert W.; and Droho, Joseph S., to Advance Transformer Co. Hybrid ballast for multiple discharge lamps. 4,847,535, 7-11-89, Cl. 315-101.000.
- Wischermann, Gerhard, to Robert Bosch GmbH. System for two-dimensional blending of transitions between a color video picture signal and a background color signal. 4,833,524, 5-23-89, Cl. 358-22.000.
- Wischermann, Gerhard; and Richter, Hans-Peter, to BTS Broadcast Television Systems GmbH. Zone plate signal generator. 4,855,826, 8-8-89, Cl. 358-139.000.
- Wischusen, Henry, III, to Rock-Tenn Company. Vehicle sun screen. 4,838,600, 6-13-89, Cl. 296-97.800.
- Wischusen, Henry, III: *See—*
  - Sandish, George R.; and Wischusen, Henry, III, 4,889,239, Cl. 206-611.000.
- Wisconsin Alumni Research Foundation: *See—*
  - Aaron, David B.; and Wiley, John D., 4,865,710, Cl. 204-192.120.
  - Belzer, Folkert D.; and Southard, James H., 4,879,283, Cl. 514-60.000.
  - Belzer, Folkert O.; and Southard, James H., 4,798,824, Cl. 514-60.000.
  - Belzer, Folkert O.; and Southard, James H., 4,873,230, Cl. 514-60.000.
  - Blondin, George A.; and Harkin, John M., 4,808,517, Cl. 435-4.000.
  - Chu, Fun S.; Wei, Ru-Dong; and Zhang, Guang S., 4,879,248, Cl. 436-543.000.
  - DeLuca, Hector F.; Schnoes, Heinrich K.; and Lau, Wan F., 4,800,198, Cl. 514-167.000.
  - DeLuca, Hector F.; Dame, Margaret C.; and Pierce, Eric A., 4,816,417, Cl. 436-501.000.
  - DeLuca, Hector F.; Kutner, Andrzej; and Schnoes, Heinrich K., 4,841,038, Cl. 536-27.000.
  - DeLuca, Hector F.; Schnoes, Heinrich K.; Kutner, Andrzej; Perlman, Kato L.; Sicinski, Rafal R.; and Phelps, Mary E., 4,847,012, Cl. 260-397.200.
  - DeLuca, Hector F.; Ikekawa, Nobuo; and Tanaka, Yoko, 4,851,400, Cl. 514-167.000.
  - DeLuca, Hector F.; Schnoes, Heinrich K.; Perlman, Kato L.; and Kutner, Andrzej, 4,851,401, Cl. 514-167.000.
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  - Divan, Deepakraj M., 4,833,584, Cl. 363-37.000.
  - Divan, Deepakraj M., 4,864,483, Cl. 363-37.000.
  - Durbin, Richard D.; Lukens, Jean H.; Uchytil, Thomas F.; and Rhodehamel, Nicholas, 4,874,706, Cl. 435-253.300.
  - Eyssa, Yehia M., 4,796,511, Cl. 89-8.000.
  - Grasel, Timothy G.; and Cooper, Stuart L., 4,880,883, Cl. 525-454.000.
  - Guckel, Henry; and Burns, David W., 4,853,669, Cl. 338-4.000.
  - Handelsman, Jo; Mester, Ellen H.; and Wunderlich, Lynn, 4,877,738, Cl. 435-252.500.
  - Handelsman, Jo E.; and Halverson, Larry J., 4,878,936, Cl. 71-7.000.
  - Madsen, Ernest L.; Zagzebski, James A.; and Frank, Gary R., 4,843,866, Cl. 73-1.0DV.
  - Perman, William H., 4,803,432, Cl. 324-309.000.
  - Roe, Malcolm D. M., 4,821,109, Cl. 358-253.000.
  - Sih, Charles J., 4,861,724, Cl. 435-280.000.
  - Spiegel, Carol A., 4,837,154, Cl. 435-253.600.
  - Thompson, Murray A., 4,881,161, Cl. 364-167.010.
- Wisconsin Electric Power Company: *See—*
  - Calvert, Douglas D.; Behrens, Edward A.; and Baver, Donald K., 4,839,598, Cl. 324-539.000.
- Wisconsin Milk Marketing Board, Inc.: *See—*
  - Beyer, James D.; and Johnson, Mark E., 4,882,179, Cl. 426-36.000.
  - Bumbalough, John E., 4,839,190, Cl. 426-603.000.
- Wisdom, Gerald H.: *See—*
  - Steinmetz, Harold F.; and Wisdom, Gerald H., 4,884,766, Cl. 244-3.270.
- Wise, Ann E.: *See—*
  - Kottman, Rickie A.; Terrill, Robert E.; and Wise, Ann E., 4,838,289, Cl. 134-153.000.
- Wise, David S., to McGraw-Hill, Inc. Projection and viewing apparatus. 4,842,402, 6-27-89, Cl. 353-74.000.
- Wise, David S.; and Janik, Walter E., to Tameran, Inc. Microfiche printing system and method. 4,860,060, 8-22-89, Cl. 355-41.000.
- Wise, Donald L.: *See—*
  - Menger, William M.; Kern, Ernest E.; Allen, Kermit; Karkalits, O. C.; Wise, Donald L.; and Leuschner, Alfred P., 4,845,034, Cl. 435-167.000.
- Wise, George, to Psychological Corporation, The. Method and apparatus for stacking sheet articles in their original order in a selected one of a pair of hoppers. 4,867,437, 9-19-89, Cl. 271-291.000.
- Wise, Henry: *See—*
  - Quinlan, Michael A.; Ramanathan, Ramamurthy; and Wise, Henry, 4,812,300, Cl. 423-404.000.
- Wise, Herbert H., to Wise USA, Incorporated. Digital electronic calibrator for tennis racket stringing machines. 4,864,875, 9-12-89, Cl. 73-862.430.
- Wise, James H., to AMP Incorporated. Connector for mating two bus bars. 4,878,862, 11-7-89, Cl. 439-787.000.

Wise, James H.: *See—*
Himes, John L., Jr.; and Wise, James H., 4,845,592, Cl. 361-407.000.
Swengel Jr., Robert C.; and Wise, James H., 4,878,863, Cl. 439-884.000.
Weber, Ronald M.; Swengel, Robert C., Jr.; Weidler, Charles H.; and Wise, James H., 4,820,169, Cl. 439-65.000.
Weidler, Charles H.; and Wise, James H., 4,845,589, Cl. 361-342.000.
Wise, Janet L., to Texas Instruments Incorporated. Method and circuitry for controlling the compensation of negative internal ground voltage fluctuations. 4,890,015, 12-26-89, Cl. 307-443.000.
Wise, John D. Envelope contents removal. 4,866,915, 9-19-89, Cl. 53-492.000.
Wise, Kensall D.; and Chau, Hin-Leung, to University of Michigan, The Regents of the. Multipoint pressure-sensing catheter system. 4,815,472, 3-28-89, Cl. 128-675.000.
Wise, Kensall D.; and Chau, Hin-Leung, to University of Michigan, The Regents of the. Ultraminiature pressure sensor and method of making same. 4,881,410, 11-21-89, Cl. 73-724.000.
Wise, Lawrence A.: *See—*
Cameron, John F.; Knirck, Jeffrey G.; and Wise, Lawrence A., 4,839,679, Cl. 354-234.100.
Wise, Lawrence D.: *See—*
Caprathe, Bradley W.; DeWald, Horace A.; Jaen, Juan C.; and Wise, Lawrence D., 4,803,203, Cl. 514-230.500.
Wise, Marcus B.; and Buchanan, Michelle V., to United States of America, Energy. Multiplexed electronically programmable multimode ionization detector for chromatography. 4,879,472, 11-7-89, Cl. 250-379.000.
Wise, Percy W.: *See—*
Daniels, Kurt; Williams, John D.; Wise, Percy W.; Jackson, Ian; and Cox, John, 4,813,182, Cl. 49-501.000.
Wise, Rick L., to Texas Instruments Incorporated. Method of forming thin epitaxial layers using multistep growth for autodoping control. 4,859,626, 8-22-89, Cl. 437-81.000.
Wise, Robert D., to Century Products Company. Reversible screw clamp for a gapped wall. 4,854,796, 8-8-89, Cl. 411-366.000.
Wise, Thomas B. Preformed pattern for producing occlusal splints. 4,881,713, 11-21-89, Cl. 249-54.000.
Wise, Thomas W., to Plastech International, Inc. Nestable and stackable container for bulk material. 4,848,580, 7-18-89, Cl. 206-519.000.
Wise, Thomas W., to Plastech International Inc. Mobile pharmaceutical hopper. 4,848,605, 7-18-89, Cl. 222-608.000.
Wise USA, Incorporated: *See—*
Wise, Herbert H., 4,864,875, Cl. 73-862.430.
Wise, Warren M.: *See—*
Bickford Fred A.; and Wise, Warren M., 4,810,680, Cl. 501-103.000.
Wise, William L. Method and apparatus for feedback control loop bandwidth and phase margin regulation. 4,839,573, 6-13-89, Cl. 318-615.000.
Wisecarver, Martin L. Clutch mechanism. 4,796,479, 1-10-89, Cl. 74-398.000.
Wisecarver, Martin L.; and Tayeb, Abdul, to Raychem Corporation. Optical fiber jaw connector. 4,848,870, 7-18-89, Cl. 350-96.210.
Wisecup, Gene W.: *See—*
Prusas, Zenon; Uhrig, L. Oscar; and Wisecup, Gene W., 4,888,092, Cl. 162-130.000.
Wiseman, Jerry W.: *See—*
Skerchock, Peter; Honablew, Lawrence; Caldrelli, Antonio; Cooper, LeRoy D.; Wiseman, Jerry W.; and Brotherton, Robert L., 4,813,331, Cl. 86-20.120.
Wiseman, John A., to Simplimatic Engineering Company. Method for splicing tubular frame members. 4,848,954, 7-18-89, Cl. 403-312.000.
Wiseman, John A., to Simplimatic Engineering Company. Wheel turn and hanger bracket assembly therefor. 4,875,573, 10-24-89, Cl. 198-831.000.
Wiseman, Leland G.; and Hertema, Daryl J., to Ritchie Industries, Inc. Heater and thermostat arrangement for animal waterers. 4,856,459, 8-15-89, Cl. 119-73.000.
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Wiskich, Joseph T.: *See—*
Norrish, Richard J.; and Wiskich, Joseph T., 4,804,850, Cl. 250-459.100.
Wislocker, Frank; and Blickenderfer, Charles, to Weyerhaeuser Company. Infeed conveyor for saw. 4,881,584, 11-21-89, Cl. 144-39.000.
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Wislocki, Nicholas C.; and Fike, Susan L., to Picker International, Inc. Exposure monitoring in radiation imaging. 4,845,771, 7-4-89, Cl. 378-97.000.
Wisner, Charles M. Coal mill roll bearing race remover. 4,807,346, 2-28-89, Cl. 29-252.000.
Wisner, George R., to Otis Elevator Company. Pyroelectric detector arrangement. 4,800,368, 1-24-89, Cl. 340-567.000.
Wisner, Kenneth R.: *See—*
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Wisner, Ronald B. J. Mid-line tilt mechanism for view camera. 4,814,803, 3-21-89, Cl. 354-189.000.
Wisneski, Leonard J., Jr.; Govekar, Craig F.; Lindhard, Gordon; and Quinn, Robert O., to Snap-on Tools Corporation. Digital engine analyzer. 4,804,921, 2-14-89, Cl. 324-394.000.
Wisneski, Leonard J., Jr.: *See—*
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Putrow, Michael C.; Wisneski, Leonard J., Jr.; Govekar, Craig F.; Jonker, Gary D.; Lindhard, Gordon; Weidenbenner, Dennis W.; and Quinn, Robert O., 4,851,833, Cl. 340-722.000.
Wisneski, Tony J.: *See—*
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Wisniach, Joseph T.: *See—*
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Wisnieff, Robert E.: *See—*
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Wisniewski, Frank: *See—*
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Wisniewski, Gary C. Bicycle brake light system. 4,833,444, 5-23-89, Cl. 340-432.000.
Wisniewski, Henryk M.; Kascsak, Richard J.; Rubenstein, Richard; Merz, Patricia A.; and Tonna-DeMasi, Maria, to Research Foundation of Mental Hygiene Inc. Hybrid cell lines producing monoclonal antibodies dircted against scrapie-associated fibril proteins. 4,806,627, 2-21-89, Cl. 530-387.000.
Wisniewski, Michael A., to Bell & Howell Company. Clocked optical sensing apparatus. 4,835,403, 5-30-89, Cl. 250-561.000.
Wisniewski, Ralph A.: *See—*
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Wisotsky, Max J.; and Metro, Stephen J., to Exxon Research and Engineering Company. Corrosion inhibitor. 4,877,541, 10-31-89, Cl. 252-47.500.
Wisotsky, Serge, Sr. Waste pile. 4,877,353, 10-31-89, Cl. 405-128.000.
Wisotsky, Serge S., to Industrial Vehicles International, Inc. Seismic generator. 4,797,862, 1-10-89, Cl. 367-143.000.
Wisotzki, Klaus-Dieter; Guirr, Ortburg; Jeschke, Peter; Schumann, Klaus; Schmid, Karl-Heinz; and Biermann, Manfred, to Henkel Kommanditgesellschaft auf Aktien. Liquid detergent. 4,839,098, 6-13-89, Cl. 252-557.000.
Wisotzki, Klaus-Dieter; Schaab, Udo; Reitz, Hans-Joacnim; and Orzech, Juergen, to Henkel Kommanditgesellschaft auf Aktien. Apparatus for the care of contact lenses. 4,852,591, 8-1-89, Cl. 134-57.00R.
Wisotzki, Klaus-Dieter: *See—*
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Wissel, Herbert L.: *See—*
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Wissell, Daniel, to Digital Equipment Corp. Apparatus and method for testing impedances of interconnect devices. 4,859,952, 8-22-89, Cl. 324-538.000.
Wissell, Robert A.: *See—*
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Wissenschaften e.V.: *See—*
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Wisseroth, Karl; and Scholl, Richard, to BASF Aktiengesellschaft. Medium and method for irreversible storage of information. 4,860,277, 8-22-89, Cl. 369-126.000.
Wissinger, John W., to Universal-Rundle Corporation. Bathtub wall surround kit. 4,817,344, 4-4-89, Cl. 52-35.000.
Wissler, Mathis: *See—*
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Wissler, Thomas, to Webasto AG Fahrzeugtechnik. Hollow chamber seal for a movable cover of a vehicle roof and an adjustment process and roof unit utilizing same. 4,826,232, 5-2-89, Cl. 296-216.000.
Wissman, Charles H.; and Braski, Michael T., to Hughes Aircraft Company. Laser frequency control. 4,856,010, 8-8-89, Cl. 372-32.000.
Wissman, Charles H.: *See—*
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Wissman, Edward E., to Washington Suburban Sanitary Commission. Harness for supporting a meter on a fire hydrant and the combination of a meter, fire hydrant and harness. 4,805,862, 2-21-89, Cl. 248-229.000.
Wissman, Terry L.; and Schockman, Robert L., to Minster Machine Co., The. Transfer belt for can end conversion press. 4,799,846, 1-24-89, Cl. 413-66.000.
Wissmann, Hans; Hachmann, Henning; Simons, Guido; and Strecker, Helmut, to Hoechst Aktiengesellschaft. Thyronine derivatives. 4,814,484, 3-21-89, Cl. 560-39.000.
Wissmann, Hans; Simons, Cuido; and Strecker, Helmut, deceased (by Weihrauch, Renate Strecker nee, legal heir), to Hoechst Aktiengesellschaft. Novel thyronine derivatives. 4,820,860, 4-11-89, Cl. 560-40.000.

Wissmann, Michael; Grassmuck, Jurgen; Muller, Wilfried; and Zimmermann, Helmut, to Andreas Stihl. Exhaust gas muffler for a two-stroke engine. 4,867,270, 9-19-89, Cl. 181-231.000.
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Schierling, Roland; Geyer, Werner; Wissmann, Michael; and Nickel, Hans, 4,807,573, Cl. 123-73.00C.
Wissner, Allan; and Schaub, Robert E., to American Cyanamid Company. Antihypertensive phosphate derivatives. 4,827,011, 5-2-89, Cl. 558-169.000.
Wissner, Allan; Sum, Phaik E.; and Schaub, Robert E., to American Cyanamid Company. Antihypertensive derivatives. 4,883,816, 11-28-89, Cl. 514-546.000.
Wistar Institute, The: *See—*
Stamato, Thomas D.; and Denko, Nicholas, 4,830,726, Cl. 204-299.00R.
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Wistling, Roger, to Aktiebolaget Bofors. Arrangement in one or more units disposed in an outer unit. 4,797,782, 1-10-89, Cl. 361-384.000.
Wistling, Roger, to Aktiebolaget Bofors. Multi-polar contactors. 4,807,083, 2-21-89, Cl. 361-424.000.
Wistrand, Per, to Universal Instruments Corporation. Position feedback enhancement over a limited repositioning area for a moveable member. 4,812,666, 3-14-89, Cl. 250-561.000.
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Karalis, Anastasios; Morong, Thomas; and Juszkiewicz, Charles, 4,864,060, Cl. 564-292.000.
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Muir, Ronald J., 4,822,502, Cl. 252-33.400.
Witczak, Stanley, to AM International, Inc. Adjustable mounting bracket for printing or duplicating machine. 4,802,411, 2-7-89, Cl. 101-216.000.
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Witecki, Frank J. Pusher unit. 4,873,929, 10-17-89, Cl. 104-172.300.
Witehira, Pita. Battery systems. 4,883,728, 11-28-89, Cl. 429-160.000.
Witek, Francis A.; and Lake, David E., Jr., to Grass Valley Group, Inc., The. Image orientation and animation using quaternions. 4,797,836, 1-10-89, Cl. 364-518.000.
Witerski, Glenn S.: *See—*
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Witherell, Donald R.; Donaldson, Jay W.; and Rooks, Howard B., to Rockwell International Corporation. Thermally durable surface mounted device printed wiring assemblies and apparatus and method for manufacture and repair. 4,805,828, 2-21-89, Cl. 228-46.000.
Witherell, Donald R.: *See—*
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- Damrath, Volker; Lindner, Christian; Kress, Hans-Jurgen; and Wittmann, Dieter, 4,859,740, Cl. 525-100.000.
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- Lindner, Christian; Eichenauer, Herbert; Wittmann, Dieter; and Damrath, Volker, 4,865,917, Cl. 428-407.000.
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Wittmoser, Adalbert. Pattern for use in lost pattern foundry process. 4,877,078, 10-31-89, Cl. 164-34.000.

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Wittrisch, Christian, to Institut Francais du Petrole. Method and device for making measurements characterizing geological formations, in a horizontal borehole formed from an underground way. 4,794,791, 1-3-89, Cl. 73-151.000.

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Wittrock, Glen R., to Sencore, Inc. FM stereo generator. 4,823,390, 4-18-89, Cl. 381-4.000.

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- Bradley, James G.; Conley, Joseph M.; and Wittry, David B., 4,847,502, Cl. 250-396.0ML.

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Wittwer, Fritz: *See*—
- Brand, Klaus-Peter; Kopainsky, Jurgen; and Wittwer, Fritz, 4,878,185, Cl. 364-572.000.
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Witty Inventions, Inc.: *See*—
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Witwer, Keith A., to Industra Products, Inc. Method and apparatus for positioning intermediate insulators in cores. 4,831,715, 5-23-89, Cl. 29-596.000.

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- Tischler, Allan N.; Durette, Philippe L.; Witzel, Bruce E.; and Lanza, Thomas J., Jr., 4,800,211, Cl. 514-443.000.

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- McKenna, John F.; and Witzel, Jeff, 4,810,931, Cl. 313-509.000.

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- Winzen, Wilfried; and Wunschmann, Manfred, 4,875,716, Cl. 285-137.100.

Witzigman, James W., to Textron Inc. Blind fastener. 4,869,629, 9-26-89, Cl. 411-38.000.

Witzke, Duane W., to Hoover Universal, Inc. Method of making a vehicle seat assembly with pour-in-place foam body. 4,860,415, 8-29-89, Cl. 29-91.100.

Witzko, Richard, to W. L. Gore & Associates, Inc. Fluoroplastic coating with a filler of activated carbon for preventing corrosion. 4,888,245, 12-19-89, Cl. 428-421.000.

Witztum, Joseph: *See*—
- Smith, Richard; Lamb, Peta-Maree; Curtiss, Linda K.; and Witztum, Joseph, 4,876,188, Cl. 435-7.000.

Witztum, Joseph L.: *See*—
- Smith, Richard S.; Hogle, Doreen M.; Curtiss, Linda K.; Witztum, Joseph L.; and Young, Steven, 4,828,986, Cl. 435-7.000.

Wium, Eigil, to General Signal Corporation. Cable protection system including a conduit body and a clip. 4,801,118, 1-31-89, Cl. 248-300.000.

Wixey, Barry D.: *See*—
- Luttmer, David J.; Panian, Thomas L.; Wixey, Barry D.; and Wilson, Raymond L., 4,873,770, Cl. 33-706.000.

Wixley, Frederick J., to GEC Avionics Limited. Electric circuit testing equipment. 4,801,866, 1-31-89, Cl. 324-73.0PC.

Wlezien, Richard A., to Outboard Marine Corporation. Marine propulsion device exhaust system. 4,861,296, 8-29-89, Cl. 440-89.000.

Wlodarczyk, Marek T.; and Tang, Dah-Lain, to General Motors Corporation. Optical shaft position and speed sensor. 4,866,269, 9-12-89, Cl. 250-231.0SE.

Wlodarczyk, Marek T.: *See*—
- Tang, Dah-Lain; and Wlodarczyk, Marek T., 4,866,268, Cl. 250-231.0SE.

Wloka, Gert: *See*—
- Burger, Wolfgang; Wloka, Gert; and Sommer, Helmut, 4,813,699, Cl. 280-610.000.

WMF Container Corporation: *See*—
- Batson, Edward E.; and Kurz, John H., 4,818,461, Cl. 264-325.000.
- Batson, Edward E.; and Kurz, John H., 4,828,137, Cl. 220-270.000.
- Batson, Edward E.; and Kurz, John H., 4,877,391, Cl. 425-289.000.

Wnek, Patrick H.: *See*—
- Johns, Albert D.; Wnek, Patrick H.; and Marx, Ronald P., 4,832,676, Cl. 493-152.000.

Wochnowski, Waldemar: *See*—
- Liebe, Reinhard; and Wochnowski, Waldemar, 4,799,501, Cl. 131-299.000.

WOCO Franz-Josef Wolf & Co.: *See*—
- Wolf, Franz J.; Pletsch, Hubert; Weber, Otto; and Keck, Volkamr, 4,807,857, Cl. 267-140.300.
- Wolf, Franz J.; and Pletsch, Hubert, 4,861,003, Cl. 267-140.100.
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WOCO Investments Ltd.: *See*—
- Plunkett, Earl R.; and Wolfe, Bernard M. J., 4,826,831, Cl. 514-170.000.

Wodis, Michael. Toric soft contact lens holder. 4,815,846, 3-28-89, Cl. 356-124.000.

Woditsch, Peter: *See*—
- Schwirtlich, Ingo; Woditsch, Peter; and Koch, Wolfgang, 4,877,596, Cl. 423-348.000.

Wodnicki, Glen G.: *See*—
- Tinder, David V.; and Wodnicki, Glen G., 4,826,273, Cl. 350-96.100.

Woebcke, Herman N.: *See*—
- Gartside, Robert J.; and Woebcke, Herman N., 4,820,494, Cl. 422-145.000.

Woebs-Gosch, Volkert: *See*—
- Lechert, Hans; Woebs-Gosch, Volkert; Qun, Song; Kaminsky, Walter; and Sinn, Hansjorg, 4,871,426, Cl. 201-2.500.

Woedl, Stephen D.; and Cox, Gary L., to Oxford Design Inc. Casket. 4,829,639, 5-16-89, Cl. 27-6.000.

Woehrl, Alfons; and Hora, Peter, to Messerschmitt-Bolkow-Blohm GmbH. Impact sensor for motor vehicles or the like. 4,836,024, 6-6-89, Cl. 73-514.000.

Woehrle, Albert, deceased: *See*—
- Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.

Sollinger, Hans-Peter; and Woehrle, Albert, deceased, 4,848,268, Cl. 118-227.000.

Woehrle, Ingrid, administrator: *See—*
Sollinger, Hans-Peter; Fissmann, Hans-Joachim; Weisz, Hans; Krautzberger, Franz, deceased; and Woehrle, Albert, deceased, 4,834,018, Cl. 118-410.000.

Woehrle, Ingrid, executrix: *See—*
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Woehrle, Maurice; Deville, Dominique; and Du Gardin, Gilles, to Skis Rossignol S.A. Tennis racket with equal string lengths. 4,834,383, 5-30-89, Cl. 273-73.00C.

Woenker, William E.: *See—*
Kennedy, Paul R.; Adams, Ernest C.; and Woenker, William E., 4,839,296, Cl. 436-170.000.

Woerner, Klaus D.; and Meikle, Andrew T., to ATS Automation Tooling Systems Inc. Seal for molded part insert. 4,867,663, 9-19-89, Cl. 425-111.000.

Woerner, Lothar: *See—*
Gerlach, Karl-Heinz; Woerner, Lothar; and Ersing, Dietrich, 4,868,440, Cl. 310-236.000.

Woessner, Warren D.: *See—*
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Wofford, George D.: *See—*
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Wogan, Gerald N.: *See—*
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Groopman, John D.; Wogan, Gerald N.; Bargoot, Frederick G.; and Ferrari, Christopher, 4,859,611, Cl. 436-518.000.

Wogelius, Donald E., to First Brands Corporation. Method and apparatus for continuous production of bags from thermoplastic film. 4,867,735, 9-19-89, Cl. 493-197.000.

Wogoman, Frank W.: *See—*
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Wohl, Ronald A.: *See—*
Greenberg, Stanley S.; Lis, Randall E.; Lumma, William C., Jr.; Nickisch, Klaus; and Wohl, Ronald A., 4,851,526, Cl. 540-603.000.
Nickisch, Klaus; Lis, Randall E.; Lumma, William C., Jr.; Morgan, Thomas K., Jr.; and Wohl, Ronald A., 4,804,662, Cl. 514-252.000.

Wohlfarth, Peter, to Daimler-Benz Aktiengesellschaft. Drive arrangement for all-wheel drive vehicles. 4,823,897, 4-25-89, Cl. 180-75.100.

Wohlford, Robert: *See—*
Wrench, Edwin H., Jr.; Wohlford, Robert; and Naylor, Joe, 4,837,830, Cl. 381-42.000.

Wohlford, Robert E.: *See—*
Landell, Blakely P.; and Wohlford, Robert E., 4,811,399, Cl. 381-43.000.

Wohlgemuth, John H.: *See—*
Khattak, Chandra P.; White, Vernon E.; Schmid, Frederick; and Wohlgemuth, John H., 4,840,699, Cl. -//.000.

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Wohlmuth, Clinton J.: *See—*
Taeusch, David R.; and Wohlmuth, Clinton J., 4,857,696, Cl. 219-121.700.

Wohlmuth, Josef: *See—*
Zaehring, Gerhard; Wohlmuth, Josef; and Schmuhl, Hans-Juergen, 4,808,073, Cl. 416-95.000.

Wohlrab, Walter, to Krauss-Maffei A.G. Drive apparatus for a screw injection molding unit and a process for its operation. 4,824,255, 4-25-89, Cl. 366-78.000.

Wohner, Gerhard; Voelskow, Hartmut; Prave, Paul; Luck, Erich; and von Rymon Lipinski, Gert-Wolfhard, to Hoechst Aktiengesellschaft. Bacteriolytic enzyme product from streptomyces, a process for its preparation, and a strain suitable for this purpose. 4,828,998, 5-9-89, Cl. 435-206.000.

Wohrer, Franz: *See—*
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Wohrer, Wilfried: *See—*
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Wohrle, Albert, deceased (by Wohrle, Ingrid, executor), to J. M. Voith GmbH. Coating device. 4,836,133, 6-6-89, Cl. 118-410.000.

Wohrle, Albert, deceased (by Wohrle, Ingrid, executor), to J. M. Voith GmbH. Coating device. 4,852,514, 8-1-89, Cl. 118-410.000.

Wohrle, Ernst; and Anselmino, Claudio, to Carl Edelmann Verpackungstechnik GmbH; and Bayer Aktiengesellschaft. Process and device for dispensing predetermined doses having a precise weight of a fluid filling material. 4,805,673, 2-21-89, Cl. 141-10.000.

Wohrle, Ingrid, executor: *See—*
Wohrle, Albert, deceased, 4,836,133, Cl. 118-410.000.
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Paulman, Roger; and Wohrstein, Franz X., 4,794,985, Cl. 165-150.000.
Paulman, Roger; and Wohrstein, Franz X., 4,881,311, Cl. 29-157.30A.

Woiceshyn, D. Mark, to Bay Mills Limited. Textiles containing interstices and processes for making such textiles. 4,879,163, 11-7-89, Cl. 428-198.000.

Woidich, Richard; and Toobe, Werner, to Krupp MaK Maschinenbau GmbH. Configuration of discharge tubes, ejection tubes or receptacles in submarines. 4,854,260, 8-8-89, Cl. 114-316.000.

Woilles, Jacques; and Hayward, Pierre, to Societe Anonyme dite Alsthom. Homogenizing device for a fluid carried in a pipe. 4,859,071, 8-22-89, Cl. 366-136.000.

Woillez, Jean-Paul: *See—*
Berry, Georges; Woillez, Jean-Paul; and Lohier, Herve, 4,866,70 Cl. 370-58.100.

Woith, Blake F. Alignment and retention device for optical transmission. 4,810,053, 3-7-89, Cl. 350-96.200.

Woith, Blake F.: *See—*
Borsuk, Leslie M.; Woith, Blake F.; and Corrales, Patrick G., 4,804,243, Cl. 350-96.200.

Wojaczek, Egon; Seeberger, Klaus; Rosenberg, Harry; and Stradtmann, Wolfgang, to Gewerkschaft Eisenhutte Westfalia GmbH. Roof supports. 4,815,898, 3-28-89, Cl. 405-296.000.

Wojaczek, Egon; Poklekowski, Helmut; and Reichelt, Klaus-Peter, to Gewerkschaft Eisenhutte Westfalia GmbH. Roof supports. 4,828,43 5-9-89, Cl. 405-296.000.

Wojciak, Bernard J., Jr., to Chamberlain Manufacturing Corporation. Radio control transmitter which suppresses harmonic radiation. 4,806,930, 2-21-89, Cl. 340-825.690.

Wojciechowski, Charles R.; Steele, Douglas S.; and Scudder, Henry J., III, to General Electric Company. Device for method for manipulating a part. 4,802,195, 1-31-89, Cl. 378-58.000.

Wojciechowski, Charles R.: *See—*
Steele, Douglas S.; Howington, Larry C.; Schuler, James W.; Sostarich, Joseph J.; Wojciechowski, Charles R.; Sippel, Theodore W.; Portaz, Joseph M.; Isaacs, Ralph G.; Scudder, Henry J., III; Kincaid, Thomas G.; Hedengren, Kristina H. V.; Koep Rudolph A. A.; Keaveney, John P.; Czechowski, Joseph, III; Brehm, John R.; Brown, James M., Jr.; Oliver, David W.; Williams, George E.; and Miller, Richard D., 4,803,639, C 364-507.000.

Wojciechowski, Christopher R.; and Wojciechowski, Michael C. Method and apparatus for solid waste disposal. 4,834,300, 5-30-89, C 241-24.000.

Wojciechowski, Michael C.: *See—*
Wojciechowski, Christopher R.; and Wojciechowski, Michael C., 4,834,300, Cl. 241-24.000.

Wojciehowski, Stephen J.: *See—*
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Wojcik, Dennis, to C. R. Bard, Inc. Catheter incorporating strain reli 4,823,805, 4-25-89, Cl. 128-736.000.

Wojcik, Guy: *See—*
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Wojcik, Janusz: *See—*
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Wojcik, Leszek. Vehicle cover protector—"VCP" 4,858,985, 8-22-8 Cl. 296-136.000.

Wojcik, Rich: *See—*
Raczkowski, Ron; Wojcik, Rich; and Fraszczynski, Thoma 4,805,550, Cl. 116-63.00T.

Wojcinski, Allan S. Projectile backstop assembly. 4,817,960, 4-4-89, C 273-410.000.

Wojdylo, Henry K. Emergency V-belt. 4,820,247, 4-11-89, C 474-255.000.

Wojewodzki Klub Techniki i Racjonalizacji Zaklad Uslug Technicznych w Rzeszowie: *See—*
Buczek, Jan; Buczek, Witoslaw; and Warzybok, Tadeus 4,825,715, Cl. 74-462.000.

Wojnar, Jeffrey S.; and McCusker, Joseph H., to General Electric Company. Leadless ceramic chip carrier printed wiring board adapter. 4,855,872, 8-8-89, Cl. 361-414.000.

Wojnar, Ronald C.: *See—*
Anderson, Daniel A.; Wojnar, Ronald C.; and Warchol, Mark F. A., 4,829,810, Cl. 73-27.00R.

Wojnarowski, Robert J.; and Eichelberger, Charles W., to General Electric Company. Excimer laser patterning of a novel resist using masked and maskless process steps. 4,842,677, 6-27-89, C 156-643.000.

Wojnarowski, Robert J.: *See—*
Eichelberger, Charles W.; Wojnarowski, Robert J.; and Welles, Kenneth B., II, 4,835,704, Cl. 364-490.000.
Eichelberger, Charles W.; Welles, Kenneth B., II; and Wojnarowski, Robert J., 4,866,508, Cl. 357-74.000.
Eichelberger, Charles W.; and Wojnarowski, Robert J., 4,878,9 Cl. 156-630.000.
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Wojtak, Roger C.; Hoelzer, John S.; and Libert, James T., to Square D Company. Control circuitry including phase failure relay. 4,802,05 1-31-89, Cl. 361-85.000.

Wojtanek, Guy A., to Eaton Corporation. Conductive elastomers in potentiometers & rheostats. 4,833,440, 5-23-89, Cl. 338-114.000.

Wojtech, Bernhard; Rittner, Siegbert; Reiss, Heinz; and Zunder, Reinhard, to Hoechst Aktiengesellschaft. Process for removing halogenated hydroxyaromatics from aqueous solutions. 4,864,065, 9-5-89, Cl. 568-155.000.

Wojtech, Bernhard: *See—*
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Wojtowicz, John A., to Olin Corporation. Process for making methylphosphonic dichloride. 4,871,486, 10-3-89, Cl. 562-818.000.

Wokan, Andreas; Helmstadter, Gerald; and Probst, Kurt, to VDO Adolf Schindling AG. Electrical gas pedal. 4,850,320, 7-25-89, Cl. 123-365.000.

Wokan, Andreas: *See—*
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Wokock, Ortwin: *See—*
Herrmann, Lothar; Kaiser, Bernhard; and Wokock, Ortwin, 4,807,737, Cl. 194-293.000.

Wolak, Ronald G. Endless article for cleaning teeth. 4,836,226, 6-6-89, Cl. 132-321.000.

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Wolanski, Richard B.; and Osterberg, Richard R., to Huron Valley Steel Corporation. Rotor for magnetically sorting different metals. 4,869,811, 9-26-89, Cl. 209-212.000.

Wolanski, Richard B.: *See—*
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Wolanzyk, Thomas C.: *See—*
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Wolbarsht, Myron: *See—*
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Wolber, Jorg, to U.S. Philips Corporation. Circuit arrangement for frequency division. 4,812,906, 3-14-89, Cl. 358-149.000.

Wolber, Jorg; and Kroner, Klaus G., to U.S. Philips Corporation. Circuit arrangement for generating a limited current. 4,868,429, 9-19-89, Cl. 307-540.000.

Wolber, Jorg: *See—*
Kroner, Klaus G.; and Wolber, Jorg, 4,883,991, Cl. 307-491.000.
Kunze, Dieter; Onken, Gerd; and Wolber, Jorg, 4,849,663, Cl. 307-521.000.

Wolberg, David. Combination folding chaise and cot. 4,801,176, 1-31-89, Cl. 297-44.000.

Wolbrink, David W.: *See—*
Penlesky, Robert G.; Wolbrink, David W.; Jonas, Kenneth J.; and Kuhnke, Thomas A., 4,867,640, Cl. 415-204.000.

Wolbrom, Irving M. Dye-containing porous plastic element and method of making it. 4,797,243, 1-10-89, Cl. 264-126.000.

Woibrom, Irving M. Dye-containing porous plastic element and method of making it. 4,870,116, 9-26-89, Cl. 521-143.000.

Wolcott, Duane K.; Graves, Ernest D., Jr.; and Hunt, David G., to Dow Chemical Company, The. Method for titration flow injection analysis. 4,798,803, 1-17-89, Cl. 436-52.000.

Wolcott, Henry O. Loudspeaker structure. 4,850,452, 7-25-89, Cl. 181-144.000.

Wolcott, Jeffrey S., to Branson Ultrasonics Corporation. Method of ultrasonically assembling workpieces. 4,859,378, 8-22-89, Cl. 264-23.000.

Wolcott, Joanne M.: *See—*
Constant, W. David; Wolcott, Joanne M.; and Cambridge, Vivian J., 4,884,437, Cl. 73-54.000.

Wolcott, John H.; and Wenman, Herbert W., to Eaton Corporation. Eddy current brake assembly. 4,853,573, 8-1-89, Cl. 310-105.000.

Wolcott, Richard A.: *See—*
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Wold, Gerald G.: *See—*
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Wolf, Albert: *See—*
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Wolf, Albert E., to Checkpoint Systems, Inc. Article security system. 4,831,363, 5-16-89, Cl. 340-572.000.

Wolf, Alfred P.: *See—*
McPherson, Daniel W.; Fowler, Joanna S.; and Wolf, Alfred P., 4,874,600, Cl. 424-1.100.
Shiue, Chyng-Yann; Wolf, Alfred P.; Bai, Lan-Qin; and Teng, Ren-Tui, 4,871,527, Cl. 424-1.100.

Wolf, Bernd; and Wirz, Peter, to Leybold Aktiengesellschaft. Magnetron type sputtering cathode. 4,810,346, 3-7-89, Cl. 204-298.000.

Wolf, Bernd; Theobald, Hans; Becker, Rainer; Goetz, Norbert; Himmele, Walter; and Kropp, Rudolf, to BASF Aktiengesellschaft. Pyrethroids and their use for controlling pests. 4,870,100, 9-26-89, Cl. 514-461.000.

Wolf, Carol L.; LaVelle, William M.; and Clark, Ross C., to Merck & Co., Inc. Gellan gum/gelatin blends. 4,876,105, 10-24-89, Cl. 426-573.000.

Wolf, Charles B.; and Melilli, William J., to Westinghouse Electric Corp. Transfer arc torch and reactor vessel. 4,864,096, 9-5-89, Cl. 219-121.360.

Wolf, Christoph, to Wolf Handels AG. Decanting basket. 4,836,476, 6-6-89, Cl. 248-146.000.

Wolf, Christopher R.: *See—*
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Wolf, Daniel J.: *See—*
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DeLucia, R. Ralph; Rockot, David W.; Wolf, Daniel J.; Musicante, Neil J.; and Pike, Thomas A., 4,864,569, Cl. 371-19.000.

Wolf, David J., to Eastman Kodak Company. Method of making primary current detector using plasma enhanced chemical vapor deposition. 4,851,367, 7-25-89, Cl. 437-101.000.

Wolf, Dieter: *See—*
Korsmeier, Wilhelm; Wolf, Dieter; and Vissel, Friedrich, 4,802,142, Cl. 366-160.000.

Wolf Engineering Corporation: *See—*
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Holtslander, Roger A., 4,878,011, Cl. 323-319.000.

Wolf, Erhard; Rossmanith, Erhard; Bartlett, Robert R.; and Schleyerbach, Rudolf, to Hoechst Aktiengesellschaft. 1-(4-Hydroxy-3,5-di-tert.-butylbenzoyl)homopiperazine, various derivatives thereof, processes for the preparation of these compounds, medicaments containing them, and their use. 4,829,061, 5-9-89, Cl. 514-218.000.

Wolf, Eugene M.: *See—*
Moore, Robert R.; Lamb, Steve; and Wolf, Eugene M., 4,872,451, Cl. 128-92.0YF.

Wolf, Franz J.; Pletsch, Hubert; Weber, Otto; and Keck, Volkamr, to WOCO Franz-Josef Wolf & Co.; and Volkswagen AG. Soft mounting for insulating body-transmitted acoustic waves. 4,807,857, 2-28-89, Cl. 267-140.300.

Wolf, Franz J.; and Pletsch, Hubert, to WOCO Franz-Josef Wolf & Co. Cup-shaped hydraulic bearing. 4,861,003, 8-29-89, Cl. 267-140.100.

Wolf, Franz J.; and Pletsch, Hubert, to WOCO Franz-Josef Wolf & Co. Hydraulically damped elastomer-metal bearing. 4,887,801, 12-19-89, Cl. 267-140.100.

Wolf, Gary A.; Petersen, Steven D.; and McKenzie, Jeffrey J., to Fluoroware, Inc. Tubing connector assembly. 4,848,802, 7-18-89, Cl. 285-39.000.

Wolf-Gerate GmbH: *See—*
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Wolf, Gerhard, to Siemens Aktiengesellschaft. Hybrid associative memory composed of a non-associative basic storage and an associative surface, as well as method for searching and sorting data stored in such a hybrid associative memory. 4,799,149, 1-17-89, Cl. 364-200.000.

Wolf, Gerhard D.; Sirinyan, Kirkor; von Gizycki, Ulrich; and Merten, Rudolf, to Bayer Aktiengesellschaft. Flexible circuits. 4,847,139, 7-11-89, Cl. 428-209.000.

Wolf, Gerhard D.: *See—*
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Sirinyan, Kirkor; Hildenbrand, Karlheinz; von Gizycki, Ulrich; Merten, Rudolf; Perrey, Hermann; and Wolf, Gerhard D., 4,804,475, Cl. 210-651.000.
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Wolf, Hans-Joachim. Package for recording media. 4,863,025, 9-5-89, Cl. 206-387.000.

Wolf, Hans-Jurgen: *See—*
Rattunde, Manfred; and Wolf, Hans-Jurgen, 4,813,918, Cl. 474-245.000.

Wolf, Heniz K.: *See—*
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Wolf, Herman C.: *See—*
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  - Whitfill, Donald L.; Wolf, Nick O.; and Purkaple, Jerry D., 4,819,723, Cl. 166-248.000.
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- Wolf-Watz, Hans: *See—*
  - Sandstrom, Gunnar; Wolf-Watz, Hans; and Tanavik, 4,822,732, Cl. 435-6.000.
- Wolf, William E.: *See—*
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  - Koller, Ernst; and Wolfbeis, Otto S., 4,844,841, Cl. 562-55.000.
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  - Powell, Howard T.; Riley, Michael O.; Wolfe, Charles R.; Lyn Richard E.; Campbell, John H.; Jessop, Edward S.; and Murr James E., 4,849,036, Cl. 156-99.000.
- Wolfe, David L.: *See—*
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- Wolfe, John J. Hot and cold frostop for food and salad bar. 4,856,5 8-15-89, Cl. 165-48.100.
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  - Prakash, Ravinder; and Wolfe, Larry L., 4,804,981, Cl. 346-160.00
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  - Bowen, Robert F.; Wolfe, Robert E.; and Dudley, Kenneth W., 4,814,571, Cl. 219-10.55R.
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- Wolff, George: *See—*
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- Wolff, Ulrich: *See—*
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- Wolfl, Volkmar: *See—*
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- Wolfle, Erwin: *See—*
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Abthoff, Joerg; Schuster, Hans-Dieter; Schmidt, Karlwalter; Wollenhaupt, Gottfried; and Schmitz, Hans-Georg, 4,824,363, Cl. 432-222.000.

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Woltmann, Ivan E.: *See—*
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Woltmann, Klaus: *See—*
Willinger, Allan H.; and Woltmann, Klaus, 4,842,727, C 210-169.000.
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Shaw, Richard E.; and Wolverton, Steven R., 4,872,481, Cl. 137-543.170.

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Wonak, Daniel C.; Butz, Steven J.; and Miller, William A., II, to Extel Corporation. Adaptation of computer to communication operation. 4,839,802, 6-13-89, Cl. 364-200.000.

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Wong, Chiu-Ming: *See—*
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Wong, Chun S., to Du Pont Canada Inc. Method for grafting monomers onto molten hydrocarbon polymer. 4,857,254, 8-15-89, Cl. 204-211.240.

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- Wong, Lam F., to Xerox Corporation. Side edge registration system. 4,836,527, 6-6-89, Cl. 271-251.000.
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- Wong, Louis F.: *See—*
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  Monzyk, Bruce F.; and Woodard, Lloyd A., 4,883,365, C 374-136.000.
Woodard, Naomi A.: *See*—
  Wilson, Stephen T.; Woodard, Naomi A.; and Flanigen, Edith M 4,799,942, Cl. 55-35.000.
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  DeSalvo, Sal P.; Irwin, Gregory D.; Mondek, Matthew H.; Nei Louis R.; Oglesby, Verdun W.; and Woodard, Robert W. 4,829,846, Cl. 74-547.000.
Woodard, Steven W.: *See*—
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  Kawasaki, Glenn H.; and Woodbury, Richard, 4,839,283, C 435-68.000.
Woodbury, Richard C.; Perkins, Raymond T.; and Thorne, James M. to Brigham Young University. Layered devices having surface cu vature and method of constructing same. 4,885,055, 12-5-89, C 156-647.000.
Woodbury, Wayne F. Gun rack. 4,852,780, 8-1-89, Cl. 224-42.45R.
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  Kleinerman, George J.; and Woodcock, John M., 4,888,829, C 2-167.000.
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Woodell, Arthur. Engine monitoring and control apparatus. 4,890,088, 12-26-89, Cl. 340-459.000.
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Woodex Bearing Company, Inc.: *See*—
  Bowers, David, 4,822,056, Cl. 277-83.000.
  Kemp, Dennis E., Jr.; and Bowers, David, 4,809,992, Cl. 277-63.000.
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  Hotvet, David A.; Woodfill, Ernest L.; and Rising, Rolf C., 4,827,525, Cl. 381-60.000.
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  Smith, David J. H.; and Woodfin, William T., 4,806,699, Cl. 585-314.000.
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Woodford, Lawrence E.: *See*—
  Strandholm, John J.; Prochnow, Robert R.; Miller, Mark S.; Woodford, Lawrence E.; and Neunaber, Steven M., 4,885,183, Cl. 426-582.000.
Woodford, W. James. Method for detecting tetrahydrocannabinol in human urine involving melanin precipitation. 4,843,020, 6-27-89, Cl. 436-518.000.
Woodhall, Michael B.; Gough, Brian; and Wilcox, Russell G., to Shop-Vac Corporation. Washer attachment for a suction cleaner. 4,887,330, 12-19-89, Cl. 15-322.000.
Woodhall, Michael B.: *See*—
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  Knapp, Alan G.; Lamport, Daphne L.; Washington, Derek; and Woodhead, Alfred W., 4,879,496, Cl. 315-366.000.
  Lamport, Daphne L.; and Woodhead, Alfred W., 4,853,587, Cl. 313-422.000.
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Wooding, Michael J.; Cardema, Rudolfo S.; and Ramiller, Charles L., to Tetron, Inc. Method and system for loading wafers. 4,886,412, 12-12-89, Cl. 414-416.000.
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  Szeto, Rickens T.; and Woodland, Harold K., 4,837,807, Cl. 379-96.000.
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  Hale, Ronald G.; Woodley, Thomas R.; and Tornstrom, Paul K., 4,806,270, Cl. 252-400.540.
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  Azevedo, Michael J.; Corchero, Charles A.; Lang, Donald J.; and Woodman, Gilbert R., Jr., 4,868,514, Cl. 328-155.000.
Woodman, John K. Three dimensional integrated circuit package. 4,868,712, 9-19-89, Cl. 361-388.000.
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Woodmansee, Wayne E., to Boeing Company, The. Multiple ultrasonic transducer with remote selector. 4,862,748, 9-5-89, Cl. 73-641.000.
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  Gaber, Ira; and Woodring, Cooper C., 4,856,718, Cl. 241-93.000.
Woodring, William J.; and Horner, Charles J., Jr., to GAF Corporation. Solar roofing assembly. 4,886,554, 12-12-89, Cl. 136-244.000.
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Woodruff, David C., to NM Laser Products, Inc. High speed shutter for a laser beam. 4,799,767, 1-24-89, Cl. 350-269.000.
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Woodruff, Frank, to Parker-Hannifin Corporation. Starter jaw blocker. 4,805,470, 2-21-89, Cl. 74-7.00E.
Woodruff, Geoffrey N.; Wong, Erik H. F.; and Kemp, John A., to Merck Sharp & Dohme Limited. Use of specific N-methyl-D-aspartate receptor antagonists in the prevention and treatment of neurodegeneration. 4,888,347, 12-19-89, Cl. 514-289.000.
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  Huang, Leeyuan; Koupal, Lawrence; Dunn, Joseph, Jr.; Liesch, Jerrold M.; Hensens, Otto; and Woodruff, H. Boyd, 4,874,745, Cl. 514-18.000.
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Woods, Charles M.: *See*—
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Woods, Charles R.: *See*—
  Worcester, Samuel A.; Woods, Charles R.; Galer, Glenn S.; and Propst, Richard L., 4,816,214, Cl. 376-416.000.
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  Worcester, Samuel A.; and Woods, Charles R., 4,849,013, Cl. 75-10.260.
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Woods, Daniel E.; Gocht, Ronald E.; Higgins, Peter M.; Edwards, Anne M.; Rowlands, Hugh; Scanlon, Edward F.; and Putzer, Jerry, to Scan-Optics, Inc. Sales transaction record processing system and method. 4,813,077, 3-14-89, Cl. 382-7.000.
Woods, David D.; Elm, William C.; Lipner, Melvin H.; Butterworth, George E., III; and Easter, James R., to Westinghouse Electric Corp. Alarm management system. 4,816,208, 3-28-89, Cl. 376-259.000.
Woods, Edward J.: *See*—
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  Woods, John T.; Woods, John D.; Woods, Paul F.; and Woods, Frederick T., 4,817,353, Cl. 52-295.000.
Woods, Gail E.: *See*—
  Frey, Robert A.; Woods, Gail E.; and Schmuck, Leroy C., 4,889,175, Cl. 160-90.000.
Woods Hole Oceanographic Institute: *See*—
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Woods, John T.: *See*—
  Cordill, Rexford W.; Woods, John T.; and Fellwock, Louis W., 4,801,181, Cl. 312-214.000.
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- Woods, Maurice G.: *See—*
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- Woods, Melvin E.: *See—*
  - Kamo, Roy; Woods, Melvin E.; and Bryzik, W., 4,852,542, Cl. 123-668.000.
- Woods, Norman R.: *See—*
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- Woods, Paul F.: *See—*
  - Woods, John T.; Woods, John D.; Woods, Paul F.; and Woods, Frederick T., 4,817,353, Cl. 52-295.000.
- Woods, Percy. Liquid metering and mixing device. 4,823,829, 4-25-89, Cl. 137-114.000.
- Wood's Powr-Grip Co.: *See—*
  - Trueg, Larry, 4,815,395, Cl. 108-112.000.
- Woods, Quentin T.: *See—*
  - Jack, Milton R.; and Woods, Quentin T., 4,850,763, Cl. 409-178.000.
- Woods, Teresa J.: *See—*
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- Woods, Thomas H. Anti-snoring device. 4,817,636, 4-4-89, Cl. 128-848.000.
- Woods, Timothy R.; and Behr, R. Douglas, to Dow Chemical Company, The. Process and apparatus for cutting and sealing multiple plies of thermoplastic material having thickened sections. 4,812,192, 3-14-89, Cl. 156-251.000.
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- Woods, William E.: *See—*
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- Woodson, Jeffrey B.; Cooper, Lance A.; White, Helen M.; and Fischer, Gordon C., to Dow Chemical Company, The. Cleaning gas turbine compressors. 4,808,235, 2-28-89, Cl. 134-22.190.
- Woodson, Jerry P., to Whitemetal Inc. Wet jet blast nozzle. 4,815,241, 3-28-89, Cl. 51-439.000.
- Woodson, Jerry P.; Martin, R. Craig; and Baker, Bryce T., to Whitemetal Inc. Control system for liquid propelled abrasive cleaning. 4,821,467, 4-18-89, Cl. 51-436.000.
- Woodson, Jerry P., to Whitemetal, Inc. Abrasive feed system. 4,878,320, 11-7-89, Cl. 51-320.000.
- Woodson, Jerry P.: *See—*
  - Martin, R. Craig; and Woodson, Jerry P., 4,817,342, Cl. 51-439.000.
- Woodson, Wayne D., to Ashland Oil, Inc. Curable epoxy resin compositions and use in preparing formed, shaped, filled bodies. 4,806,576, 2-21-89, Cl. 523-139.000.
- Woodstream Corporation: *See—*
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  - Radesky, Joseph A.; Brandt, Carl B.; Thomas, Gerald A.; and Aksins, William E., 4,856,225, Cl. 43-81.000.
- Woodward, Alan C.: *See—*
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- Woodward, Bruce; Martin, Daniel W.; and Miller, William. Sound absorbing structures. 4,821,841, 4-18-89, Cl. 181-286.000.
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- Woodward, Daniel A., to Northern Telecom Limited. Method for locating and supporting ceramic substrates. 4,880,349, 11-14-89, Cl. 414-786.000.
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  - Bertrand, Gilbert; Colin, Gerard; Cottet, Gerard; Dupoyet, Guy; Gasperment, Pierre; Klein, Andre; Michel, Georges; and Truchot, Jean-Marc, 4,849,083, Cl. 204-206.000.
- Woodward, James R.: *See—*
  - Hom, Felix; Bockenhauer, Uwe; and Woodward, James R., 4,801,070, Cl. 228-184.000.
- Woodward, Jonathan, to United States of America, Energy. Recovery and reuse of cellulase catalyst in an exzymatic cellulose hydrolysis process. 4,840,904, 6-20-89, Cl. 435-165.000.
- Woodward, Lee A.: *See—*
  - Bailey, Frank V.; and Woodward, Lee A., 4,850,421, Cl. 164-203.000.
- Woodward, Mark A.: *See—*
  - Taddeo, Fausto V.; and Woodward, Mark A., 4,843,534, Cl. 363-71.000.
- Woodward, Michael J., to Weatherford Italiana S.p.A. Sandblasting device. 4,845,903, 7-11-89, Cl. 51-439.000.
- Woodward, Richard. Method of and apparatus for use in forming diametrically opposed studs on tubular connectors. 4,860,413, 8-29-89, Cl. 29-38.00C.
- Woodward, Richard V.: *See—*
  - Polesnak, David L.; and Woodward, Richard V., 4,829,449, Cl. 364-510.000.
- Woodward, Roger P.: *See—*
  - Smart, Anthony E.; and Woodward, Roger P., 4,887,213, Cl. 364-424.010.
- Woodward, Steven J., to Canadian Corporate Management Company Limited. Monitoring equipment for adverse environments. 4,821,215, 4-11-89, Cl. 364-550.000.
- Woodward, Steven J., to Canadian Corporate Management Company Limited. Process control equipment for adverse environments. 4,831,565, 5-16-89, Cl. 364-571.010.
- Woodward, Steven J., to Federal Industries Industrial Group Inc. Acoustic range finding system. 4,890,266, 12-26-89, Cl. 367-99.000.
- Woodward, Steven J.: *See—*
  - Stottlemyer, William O.; and Woodward, Steven J., 4,885,773, Cl. 379-420.000.
- Woodward, William S. Conveyor stub idler roll apparatus. 4,844,241, 7-4-89, Cl. 198-500.000.
- Woodward, Winfred L., III: *See—*
  - Sandrock, Gary D.; and Woodward, Winfred L., III, 4,839,085, Cl. 252-181.600.
- Woodwell, Thornton G.; and Langston, Chandos E., Jr., to United Technologies Corporation. Turbine disk securing and removal apparatus. 4,832,574, 5-23-89, Cl. 416-244.00A.
- Woodworth, Donald J.; Ziegler, Frank A.; and Grabenstein, James B., to Microdyne Corporation. Satellite data transmission and receiving station. 4,876,737, 10-24-89, Cl. 455-12.000.
- Woodworth, Lawrence M.: *See—*
  - Hayes, Michael E.; Hrebenar, Kevin R.; Minor, Jennifer L.; and Woodworth, Lawrence M., 4,886,519, Cl. 44-51.000.
- Woodworth, Lee R.; and Rowlett, Beb H., to Allied-Signal Inc. Rotary separator with a porous shroud. 4,840,645, 6-20-89, Cl. 55-1.000.
- Woody, Van D. Restraining device. 4,813,745, 3-21-89, Cl. 297-464.000.
- Woog, Gunter. Metal recovery method and apparatus. 4,834,849, 5-30-89, Cl. 204-105.00R.
- Woog, Heinrich: *See—*
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- Woog, Manfred J.; and Schmidt, Charles W. Silver removal apparatus and method. 4,802,961, 2-7-89, Cl. 204-109.000.
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- Woolard, Frank X., to ICI Americas Inc. N,N'-diaryl-N-alkylureas and method of use. 4,855,478, 8-8-89, Cl. 558-417.000.
- Woolard, Frank X., to ICI Americas, Inc. 2-(acylimino)thiazolidine herbicides. 4,867,780, 9-19-89, Cl. 71-90.000.
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- Woolard, Frank X., to ICI Americas Inc. Process for the preparation of 3-acylpyrrolidones. 4,874,873, 10-17-89, Cl. 548-540.000.
- Woolard, Frank X., to ICI Americas Inc. Process for preparation of iminothiazolidines. 4,877,880, 10-31-89, Cl. 548-190.000.
- Woolard, Joseph H. Magnetic hand held ball throwing implement. 4,794,905, 1-3-89, Cl. 124-5.000.
- Woolatt, Derek; and Safford, George J., to Dresser Industries, Inc. Compressor valve with flat spring. 4,889,156, 12-26-89, Cl. 137-516.130.
- Woolbert, Gordon D.; Jewett, Scotty Y.; and Robertson, John W., Jr., to Babcock & Wilcox Company, The. Automatic calibration and control system for a combined oxygen and combustibles analyzer. 4,852,384, 8-1-89, Cl. 73-1.00G.
- Woolbert, Gordon D.: *See—*
  - Jewett, Scotty Y.; Robertson, John W., Jr.; and Woolbert, Gordon D., 4,846,410, Cl. 241-31.000.
- Woolcock, Kenneth R.: *See—*
  - Mirenda, Paul; and Woolcock, Kenneth R., 4,830,249, Cl. 224-310.000.
- Woolcock, Sydney C., to E M I Limited. Radar arrangements. 4,868,917, 9-19-89, Cl. 342-26.000.
- Woolcott, Peter J., to Lucas Industries Public Limited Company. Heating device for air inlet manifolds. 4,849,604, 7-18-89, Cl. 219-207.000.
- Wooldridge, George A.: *See—*
  - Basson, Rochford R.; Tinder, David V.; and Wooldridge, George A., 4,882,842, Cl. 29-857.000.
- Wooldridge, Timothy A.: *See—*
  - Davis, Cecil J.; Matthews, Robert T.; Loewenstein, Lee M.; Abernathy, Joe V.; and Wooldridge, Timothy A., 4,875,989, Cl. 204-298.000.
- Wooldridge, Timothy J.: *See—*
  - Davis, Cecil J.; Wooldridge, Timothy J.; and Carter, Duane E., 4,842,680, Cl. 156-643.000.
- Woolever, Gary L.: *See—*
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- Wooley, Orval H.: *See—*
  - Falwell, Bobby R.; and Wooley, Orval H., 4,862,543, Cl. 5-508.000.
- Woolf, Floyd S.: *See—*
  - Sexton, Rodney N.; Woolf, Floyd S.; and Ruud, Timothy W., 4,854,743, Cl. 384-130.000.
  - Sexton, Rodney N.; and Woolf, Floyd S., 4,854,923, Cl. 474-84.000.
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- Woolfolk, Robert L. Color pigment graphics information display. 4,811,008, 3-7-89, Cl. 340-763.000.

- Woolfolk, Thomas M., to Sperry Marine Inc. Pulse modulated automatic light control utilizing gated image intensifier. 4,872,057, 10-3-89, Cl. 358-211.000.
- Woolfolk, William: *See—*
  - Everett, James W.; Gunter, John B.; Woolfolk, William; Sadofsky, Frank; Nelson, Lawrence A.; Fulmer, George D.; Elder, George G.; and Keating, Robert F., 4,829,660, Cl. 29-727.000.
- Woolgar, Gordon D.: *See—*
  - Haisman, Derek R.; and Woolgar, Gordon D., 4,810,518, Cl. 426-578.000.
- Woolhouse, Robin A.: *See—*
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- Wright, Alexander H.: *See—*
  - Browning, Shane C.; Carlisle, Robert; and Wright, Alexander H., 4,870,979, Cl. 131-196.000.
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- Gallucci, Robert R.; Wroczynski, Ronald J.; Jones, James F.; and Rasch, Stefan F., 4,885,335, Cl. 525-67.000.

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- Wronski, Yurek A., to Cotswold Architectural Products Limited. Latch mechanisms. 4,878,699, 11-7-89, Cl. 292-143.000.
- Wruck, William J.: *See—*
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- WS Warmeprozesstechnik GmbH: *See—*
  - Wunning, Joachim, 4,877,396, Cl. 431-158.000.
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  - Waldman, Myron R.; and Kressey, Matthew S., 4,863,145, Cl. 266-109.000.
- Wsyzynski, Randall, to Quaker Oats Company, The. Mounting means for a toy mobile. 4,880,197, 11-14-89, Cl. 248-324.000.
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  - Chang, Chung-Chen; and Wu, Cheng C., 4,830,974, Cl. 437-034.000.
- Wu, Cheng-Teh: *See—*
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  - Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lin, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hsien-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
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- Wu, Chyuang-Jong. Anti-earthquake structure insulating the kinetic energy of earthquake from buildings. 4,881,350, 11-21-89, Cl. 52-167.00R.
- Wu, Chyun-Yeh E.: *See—*
  - Paget, Charles J., Jr.; Rieder, Brent J.; Spitzer, Wayne A.; and Wu, Chyun-Yeh E., 4,835,168, Cl. 514-363.000.
- Wu, Dan T.: *See—*
  - Pao, Liem T.; Yuen, Yeong H.; and Wu, Dan T., 4,796,821, Cl. 241-101.200.
- Wu, Don L. Simplified sealing strip. 4,811,978, 3-14-89, Cl. 292-323.000.
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  - Nickell, Louis G.; Stach, Leonard J.; and Wu, Frank, 4,826,526, Cl. 71-74.000.
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  - Segerstrom, Clifford C.; Sternling, Charles V.; Luke, Hans-Wolfgang; and Wu, Hsi L., 4,852,997, Cl. 48-210.000.
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  - Chen, Inn-Ming; Shyy, Yeu-Hwa; Chung, Ching-Fu; Hwang, Dar-Jong; Yeh, Jenq-Chang; and Wu, Hsu-Lung, 4,866,629, Cl. 364-468.000.
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- Wu, Jeff C.: *See—*
  - Cvijanovich, George B.; Williams, Richard T.; and Wu, Jeff C., 4,832,798, Cl. 204-15.000.
- Wu, Jinn-Fu. Steering lock for automobile. 4,882,920, 11-28-89, Cl. 70-209.000.
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  - Kennard, Paul A.; Middleton, Joseph L.; Wu, Kuang-Tsan; and McNicol, John D., 4,855,692, Cl. 332-17.000.
- Wu, Leon L.: *See—*
  - Kraus, Charles J.; and Wu, Leon L., 4,803,595, Cl. 361-412.000.
- Wu, Lung-chi, to Campbell Soup Company. Substrate for growing shiitake mushrooms. 4,874,419, 10-17-89, Cl. 71-5.000.
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  - Bucher, John C., Sr.; and Wu, Shih T., 4,850,799, Cl. 416-134.00R.
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  - Smith, E. Phillip; and Wu, Stephen H., 4,808,412, Cl. 424-442.000.
- Wu, Stephen H. W.; Kirk, Shane K.; Perry, Kenneth P.; Smith, E. Phillip; Chang, Yeong-Ho; and Jenkins, Waylon L., to Eastman Kodak Company. Rumen-stable pellets. 4,837,004, 6-6-89, Cl. 424-438.000.
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  - Mickle, Donald A. G.; and Wu, Tai-Wing, 4,877,810, Cl. 514-456.000.
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- Wu, Tsung-Ching: *See—*
  - Perlegos, Gust, and Wu, Tsung-Ching, 4,822,750, Cl. 437-052.000.
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  - Schwier, Chris E.; and Wu, Wan C., 4,874,829, Cl. 526-262.000.
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  - Meschi, Luciano, 4,858,414, Cl. 53-429.000.
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  Winzen, Wilfried; and Wunschmann, Manfred, 4,875,716, Cl. 285-137.100.

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  Garron, Stephen A.; and Wurst, John N., 4,825,789, Cl. 112-278.000.

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  Stritzl, Karl; Wurthner, Hubert; and Riegler, Andreas, 4,861,064, Cl. 280-618.000.
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  Henkel, Eberhard; Dolabdjian, Barkew; Helger, Roland; Klink, Rainer; and Wurzburg, Uwe, 4,857,640, Cl. 536-4.100.
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  Hamlin, Jack W.; Logan, Bradley C.; Richards, William A.; Sanders, Maurice T.; and Wyckoff, Robert C., 4,835,459, Cl. 324-73.00R.

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  Owen, William; Bell, Robert; Chase, Douglas; and Briese, Leonard, 4,828,225, Cl. 254-382.000.
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  Tydlacka, Joseph, 4,853,500, Cl. 191-12.00R.

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Wyner, Elliot F.; and Paget, Fredrick W., to GTE Products Corporation. Starting circuit for gaseous discharge lamps. 4,808,888, 2-28-89, Cl. 315-289.000.

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  Lama, William L.; Loce, Robert P.; and Durbin, John A., 4,801,978, Cl. 355-69.000.
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Picton, Stewart D., 4,832,330, Cl. 271-236.000.
Pirwitz, Robert G., 4,860,047, Cl. 355-290.000.
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Prebola, Jay M., 4,849,788, Cl. 355-317.000.
Quate, Calvin F., 4,797,693, Cl. 346-140.00R.
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Robertson, William B., 4,842,263, Cl. 271-186.000.
Robson, Thomas, 4,835,570, Cl. 346-160.000.
Russell, Mark W., 4,868,603, Cl. 355-58.000.
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Savage, James G.; Jagger, Brian E.; and Namen, Tjado V., 4,867,584, Cl. 400-157.300.
Scarlata, Richard F., 4,801,270, Cl. 439-95.000.
Schenk, Richard C., 4,838,391, Cl. 188-171.000.
Schmidlin, Fred W., 4,810,604, Cl. 430-42.000.
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  Hirai, Hiroyuki; and Yabuki, Yoshiharu, 4,880,723, Cl. 430-218.000.
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  Kashiwaya, Kunio; Haga, Hiroyo; Saeki, Nobuo; Yabuki, Youichi; Ozoe, Kuniyuki; Fukushima, Shinichi; and Tabata, Kazufumi, 4,802,270, Cl. 29-241.000.
Yabumoto, Junsuke: *See—*
  Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,865,632, Cl. 55-204.000.
  Yano, Hisashi; Ihara, Hiroyuki; and Yabumoto, Junsuke, 4,878,924, Cl. 55-204.000.
Yabumoto, Toshiaki; and Fujiwara, Kunihiko, to Furukawa Electric Co., Ltd., The. Chlorine hydrate tank. 4,842,831, 6-27-89, Cl. 422-198.000.
Yabuno, Ryohei: *See—*
  Kato, Yukihiro; Ishii, Masami; Yabuno, Ryohei; and Oka, Tetsuo, 4,876,893, Cl. 73-726.000.
  Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,821,011, Cl. 338-4.000.
  Tsuzuki, Takoyoshi; Kotaki, Mitsuko; Yabuno, Ryohei; and Ishii, Masami, 4,864,273, Cl. 338-174.000.
Yabusaki, Masao; Yamamoto, Etsuji; Murakami, Yoshiki; and Kohno, Hideki, to Hitachi, Ltd. Quadrature probe for nuclear magnetic resonance. 4,825,163, 4-25-89, Cl. 324-318.000.
Yabusaki, Masao: *See—*
  Murakami, Yoshiki; Yamamoto, Etsuji; Yabusaki, Masao; and Kohno, Hideki, 4,875,013, Cl. 324-318.000.
  Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, 4,875,010, Cl. 324-248.000.
Yabushita, Akira: *See—*
  Narizuka, Yasunori; Mori, Keiji; Yabushita, Akira; Kamei, Tsuneaki; and Morita, Mamoru, 4,806,725, Cl. 219-216.000.
Yabushita, Haruyasu: *See—*
  Ohtsu, Shinji; and Yabushita, Haruyasu, 4,853,588, Cl. 313-440.000.
Yabuta, Katsuhisa: *See—*
  Kito, Tomohisa; Yabuta, Katsuhisa; and Hattori, Yoshinori, 4,878,812, Cl. 416-241.00B.
Yabuta, Motoshi, to Kansai Paint Co., Ltd. Method of producing dispersion of fine particles of gelled polymer. 4,829,120, 5-9-89, Cl. 524-460.000.
Yabutani, Kunihiro: *See—*
  Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.
Yabuuchi, Kazuyoshi: *See—*
  Fukunaga, Tokio; Kishimoto, Fukutaro; Sato, Mitsuru; Yabuuchi, Kazuyoshi; Tomita, Haruhiko; and Maeno, Kazuo, 4,795,605, Cl. 376-142.000.
Yabuuchi, Masahiko: *See—*
  Nakamura, Tsuneo; Akanuma, Hiroshi; Naito, Akinori; Yabuuchi, Masahiko; Takahashi, Akira; Tajima, Shigeru; Hashiba, Masashi; and Kato, Kazuo, 4,810,640, Cl. 435-25.000.
Yabuuchi, Naoya: *See—*
  Akasaki, Yutaka; Yabuuchi, Naoya; and Ohki, Tatsuro, 4,846,893, Cl. 106-500.000.
Yabuuchi, Takahiro: *See—*
  Umio, Suminori; Kozasa, Shizuo; and Yabuuchi, Takahiro, 4,879,301, Cl. 514-321.000.
Yabuya, Shigeru: *See—*
  Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-[illegible].000.
Yabuzuka, Masao: *See—*
  Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, 4,830,762, Cl. 252-2.000.
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Yachigo, Shinichi: *See—*
  Ishii, Tamaki; Yachigo, Shinichi; Okita, Taisuke; Sasaki, Manji; and Ebina, Chinehito, 4,829,112, Cl. 524-108.000.
  Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.
  Sasaki, Manji; Ebina, Chinehito; Okamura, Haruki; Yachigo, Shinichi; and Ishii, Tamaki, 4,845,244, Cl. 549-335.000.
Yachiyoda Kogyo Co., Ltd.: *See—*
  Takahashi, Kiyotada, 4,813,315, Cl. 82-142.000.
Yacobi, Ben G.: *See—*
  Ditchek, Brian M.; Levinson, Mark; and Yacobi, Ben G., 4,829,173, Cl. 250-211.00R.
Yacobi, Yacov: *See—*
  Brickell, Ernest F.; Lee, Pil J.; and Yacobi, Yacov, 4,845,749, Cl. 380-46.000.
Yacobucci, David L.: *See—*
  Sheppard, Mark E.; and Yacobucci, David L., 4,842,174, Cl. 224-273.000.
Yacobucci, Paul D.; Gerard, Jesse T.; and Narayanan, Pallassana V., to Eastman Kodak Company. Magnetic recording element. 4,849,291, 7-18-89, Cl. 428-422.000.
Yacoe, J. Craig. Polyhedral structures that approximate an ellipsoid. 4,825,602, 5-2-89, Cl. 52-81.000.
Yada, Isao: *See—*
  Hisajima, Masahiko; Kimura, Hiroshi; Shigemura, Yutaka; Yada, Isao; Irie, Yoichiro; Morimoto, Kiyoshi; and Nagashima, Takashi, 4,879,578, Cl. 355-234.000.
Yada, Shiro: *See—*
  Tanahashi, Masao; and Yada, Shiro, 4,837,929, Cl. 30-43.920.
Yada, Takaaki: *See—*
  Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, 4,816,132, Cl. 204-408.000.
  Kotani, Haruo; Tomita, Katsuhiko; Yada, Takaaki; and Nakanishi, Tsuyoshi, 4,883,563, Cl. 156-645.000.
Yada, Toshio: *See—*
  Maejima, Taro; Yada, Toshio; Tsutsumi, Michinari; Tabuchi, Tsuyoshi; Terazono, Takeshi; and Aoki, Masaru, 4,875,434, Cl. 118-52.000.
Yada, Yoshikuni: *See—*
  Hashimoto, Noboru; Hitomi, Mitsuo; Onishi, Koji; Yada, Yoshikuni; Nobumoto, Hidetoshi; and Hotate, Makoto, 4,875,455, Cl. 123-568.000.
Yada, Yukihiko; and Kishio, Toshiaki, to Tokai Kogyo Kabushiki Kaisha. Molding and method of producing the same. 4,884,380, 12-5-89, Cl. 52-208.000.
Yadin, Hagay: *See—*
  Peleg, Ben-Ami; Hornstein, Karol; and Yadin, Hagay, 4,795,635, Cl. 424-89.00C.
Yaegashi, Hirokatsu, to Hirose Electric Co., Ltd. Method of manufacturing electrical contact pins. 4,821,411, 4-18-89, Cl. 29-874.000.
Yaegashi, Hisao; Hasegawa, Tetsuo; Kushida, Naoki; Tohma, Koichi; and Suzuki, Takayuki, to Canon Kabushiki Kaisha. Thermal transfer material. 4,880,686, 11-14-89, Cl. 428-212.000.
Yaegashi, Hisao: *See—*
  Sato, Hiroshi; Tanaka, Kazumi; Kushida, Naoki; Katayama, Masato; Tamura, Yasuyuki; Hasegawa, Tetsuo; Yaegashi, Hisao; Kaneko, Shuzo; Tohma, Koichi; and Suzuki, Takayuki, 4,880,324, Cl. 400-241.000.
  Touma, Kouichi; Hasegawa, Tetsuo; Kushida, Naoki; Yaegashi, Hisao; Tamura, Yasuyuki; and Kaneko, Shuzo, 4,882,593, Cl. 346-111.000.
Yaegashi, Makoto: *See—*
  Kamada, Keiichi; Kawamoto, Seiji; Yaegashi, Makoto; and Shimishi, Shiro, 4,818,525, Cl. 424-81.000.
Yaeger, Scott P.: *See—*
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Yaeli, Joseph, to Xerox Corporation. Alignment method and arrangement for external optical feedback for semiconductor diode lasers. 4,797,894, 1-10-89, Cl. 372-92.000.
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Yagami, Hiroyuki: *See—*
  Fujii, Tadashi; and Yagami, Hiroyuki, 4,795,935, Cl. 310-336.000.
Yagami, Kazuhide: *See—*
  Sugahara, Keishin; Imamura, Takayuki; Hamada, Fukusaburo; Ohtomo, Nobuya; Fujita, Haruo; and Yagami, Kazuhide, 4,839,277, Cl. 435-7.000.
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Yagasaki, Toshiaki: *See—*
  Masuda, Shunichi; Shimizu, Katsuichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,811,051, Cl. 355-14.00C.
  Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,823,192, Cl. 358-256.000.
  Shimizu, Katsuichi; Masuda, Shunichi; Yagasaki, Toshiaki; and Sakamaki, Hisashi, 4,878,130, Cl. 358-400.000.
Yager, Paul: *See—*
  Schnur, Joel M.; Price, Ronald; Yager, Paul; Schoen, Paul; Georger, Jacque H.; and Singh, Alok, 4,877,501, Cl. 204-157.640.
Yagher, Charles, Jr., to Therm-O-Disc, Incorporated. Polymer type PTC assembly. 4,831,354, 5-16-89, Cl. 338-22.00R.
Yagher, Charles, Jr.; and Day, Kenneth C., to Therm-O-Disc, Incorporated. Temperature responsive probe apparatus. 4,84 ,274, 6-20-89, Cl. 338-28.000.
Yagher, Charles, Jr.: *See—*
  Nixon, Ronald A.; and Yagher, Charles, Jr., 4,837,547, Cl. 337-414.000.
Yaghmaie, Farokh: *See—*
  Najjar, Mitri S.; Yaghmaie, Farokh; and Sorell, Louis S., 4,861,346, Cl. 44-51.000.
Yaghmaie, Farrokh: *See—*
  Najjar, Mitri S.; Yaghmaie, Farrokh; and Sorell, Louis S., 4,808,194, Cl. 44-51.000.
Yagi, Antenna Co., Ltd.: *See—*
  Moriyama, Atsuo; Akashi, Yoichi; Sekiuchi, Kazunori; Nagakura, Toshio; and Kobayashi, Akira, 4,864,632, Cl. 455-3.000.
Yagi, Hideaki; Kojima, Takahito; and Horii, Katsuhiko, to NGK Spark Plug Co., Ltd. Humidity and dew point detector. 4,801,211, 1-31-89, Cl. 374-28.000.
Yagi, Hideo; and Takeuchi, Toru, to Fujisawa Pharmaceutical Co., Ltd. Concrete admixture. 4,808,641, 2-28-89, Cl. 524-5.000.
Yagi, Hirokazu; Maeda, Shiro; and Kondo, Yoshiaki, to Nippondenso Co., Ltd. Electromagnetic actuator for controlling fluid flow. 4,813,647, 3-21-89, Cl. 251-129.050.
Yagi, Hiromitsu: *See—*
  Ueda, Hiroo; and Yagi, Hiromitsu, 4,824,106, Cl. 273-1.00E.
Yagi, Hiroshi, to Elco Co., Ltd. Abdominal respiration training system. 4,798,538, 1-17-89, Cl. 434-262.000.
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Yagi, Hiroshi; Fujita, Hisashi; Harada, Yoshio; and Takahashi, Kenichi, to TDK Corporation. Process for mounting chip type circuit elements on printed circuit boards and apparatus therefor. 4,881,319, 11-21-89, Cl. 29-840.000.
Yagi, Hiroshi: *See—*
  Masujima, Sho; Yagi, Hiroshi; Kamoshida, Masakazu; and Tamashima, Atsuzo, 4,829,663, Cl. 29-840.000.
  Masujima, Sho; Yagi, Hiroshi; Tamashima, Atsuzo; and Tamashima, Jun, 4,873,397, Cl. 174-117.00A.
Yagi, Isaburo: *See—*
  Hyodo, Masakatsu; Kusumoto, Koji; and Yagi, Isaburo, 4,871,413, Cl. 156-382.000.
  Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, 4,883,557, Cl. 156-287.000.
Yagi, Kazuo; and Mantoku, Hitoshi, to Mitsui Petrochemical Industries, Ltd. Molecular oriented, silane-crosslinked ultra-high-molecular-weight polyethylene molded article and process for preparation thereof. 4,870,136, 9-26-89, Cl. 525-288.000.
Yagi, Kazuo: *See—*
  Kamisaka, Tadayuki; Yagi, Kazuo; Takahashi, Yasufumi; and Nakamura, Shigeki, 4,843,352, Cl. 332-22.000.
Yagi, Kazuyuki: *See—*
  Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, 4,885,528, Cl. 324-57.00R.
  Yanagawa, Koichi; and Yagi, Kazuyuki, 4,795,962, Cl. 324-57.00R.
Yagi, Kiyoshi; Kanno, Toshiaki; Kanda, Masahiro; and Nomura, Izumi, to Yazaki Corporation. Polyolefin rubber composition. 4,837,282, 6-6-89, Cl. 525-265.000.
Yagi, Kiyoshi: *See—*
  Tada, Tetsuya; Nagasaka, Masumi; Iwamoto, Kouji; Teratani, Tatsuo; Takahashi, Junji; Miyazaki, Akira; Hitotsuya, Masaki; and Yagi, Kiyoshi, 4,862,367, Cl. 364-426.040.
Yagi, Makoto: *See—*
  Tsutsui, Koichi; Ikeda, Shoji; Nishizawa, Koji; Yagi, Makoto; and Kubo, Nobuaki, 4,867,573, Cl. 366-114.000.
Yagi, Manabu, to NEC Corporation. QAM modulator/demodulator. 4,881,049, 11-14-89, Cl. 332-103.000.
Yagi, Masanori: *See—*
  Ikeya, Kiyokazu; and Yagi, Masanori, 4,801,273, Cl. 439-269.000.

Yagi, Masao: *See—*
  Tsushima, Isao; Komoda, Norihisa; Yagi, Masao; and Kusuzaki, Tetsuo, 4,852,001, Cl. 364-401.000.
Yagi, Michio: *See—*
  Isozaki, Shin; and Yagi, Michio, 4,807,070, Cl. 360-104.000.
  Watanabe, Koji; Yagi, Michio; Isoguchi, Seiichi; Harada, Satoshi; and Fujita, Masami, 4,827,304, Cl. 354-435.000.
Yagi, Mikio. Cleaning device for a container. 4,811,448, 3-14-89, Cl. 15-211.000.
Yagi, Mikiya, to Nippon Cable System Inc. Solenoid actuated control cable. 4,839,620, 6-13-89, Cl. 335-219.000.
Yagi, Motoi: *See—*
  Murakoso, Toshiyuki; Sato, Shoichi; and Yagi, Motoi, 4,856,603, Cl. 177-210.00C.
Yagi, Nobuyuki: *See—*
  Murakami, Keinosuke; Enami, Kazumasa; and Yagi, Nobuyuki, 4,800,430, Cl. 358-160.000.
Yagi, Osamu: *See—*
  Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, 4,873,120, Cl. 427-64.000.
Yagi, Shigeaki; and Furusawa, Hirofumi, to Alps Electric Co., Ltd. Method and apparatus for measuring the floating amount of the magnetic head. 4,813,782, 3-21-89, Cl. 356-357.000.
Yagi, Shigeki, to Seiko Instruments Inc. Electronic device for storing personal information. 4,847,760, 7-11-89, Cl. 364-400.000.
Yagi, Shigeki: *See—*
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; and Yagi, Shigeki, 4,798,620, Cl. 71-95.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,844, Cl. 71-90.000.
  Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.
Yagi, Shigeo: *See—*
  Sonoyama, Takayasu; Yagi, Shigeo; Kageyama, Bunji; and Tanimoto, Masahiro, 4,879,229, Cl. 435-138.000.
Yagi, Shigeru: *See—*
  Karakida, Ken-ichi; and Yagi, Shigeru, 4,873,165, Cl. 430-66.000.
Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, to Honda Giken Kogyo Kabushiki Kaisha. Ignition timing control system for internal combustion engine. 4,846,128, 7-11-89, Cl. 123-425.000.
Yagi, Tadashi: *See—*
  Fujino, Hitoshi; Sawada, Takamasa; Kobayashi, Hiroo; Ohuchi, Osamu; Yagi, Tadashi; and Hayakawa, Yasuyoshi, 4,888,620, Cl. 355-211.000.
  Kobayashi, Hiroo; Fujino, Hitoshi; Yagi, Tadashi; Adachi, Nobukazu; Hayakawa, Yasuyoshi; and Setoriyama, Takeshi, 4,873,548, Cl. 355-200.000.
  Toramoto, Hisao; and Yagi, Tadashi, 4,859,197, Cl. 439-675.000.
Yagi, Tadasu: *See—*
  Takahashi, Hayashi; and Yagi, Tadasu, 4,869,856, Cl. 264-29.200.
Yagi, Takashi: *See—*
  Masuda, Yoshihiro; Yagi, Takashi; and Murata, Akira, 4,857,949, Cl. 354-322.000.
Yagi, Takeshi; and Kobayashi, Kenzo, to Fujitsu Limited. Multi-level quadrature amplitude modulation and demodulation system. 4,888,792, 12-19-89, Cl. 375-39.000.
Yagi, Tetsuo: *See—*
  Akae, Yoshifumi; Yamamoto, Takasi; Arima, Koji; and Yagi, Tetsuo, 4,871,936, Cl. 310-233.000.
Yagi, Tetsuya: *See—*
  Nagai, Yutaka; Mihashi, Yutaka; Yagi, Tetsuya; and Ota, Yoichiro, 4,829,023, Cl. 437-129.000.
Yagi, Toru; Takahashi, Tsuneo; and Nishiguchi, Masayuki, to Honda Giken Kogyo Kabushiki Kaisha. Torque sensor. 4,817,444, 4-4-89, Cl. 73-862.360.
Yagi, Toru, to Honda Giken Kogyo Kabushiki Kaisha. Engine valve control apparatus. 4,870,930, 10-3-89, Cl. 123-90.110.
Yagi, Toru; and Matsuki, Hideo, to Honda Giken Kogyo Kabushiki Kaisha. Torque sensor. 4,885,944, 12-12-89, Cl. 73-862.360.
Yagi, Toru; Fujiyoshi, Yoshihiro; Aoki, Takatoshi; and Urata, Yasuhiro, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for internal combustion engine. 4,889,085, 12-26-89, Cl. 123-90.120.
Yagi, Toshifumi: *See—*
  Okada, Toshihiko; Yagi, Toshifumi; and Suzuki, Satoshi, 4,879,886, Cl. 66-151.000.
Yagi, Toshiharu; Sakuma, Hiromichi; and Saito, Jouji, to Daikin Industries, Ltd. Solubilizer for water-insoluble alginates, aqueous solution thereof and dissolving method using the aqueous solution. 4,810,294, 3-7-89, Cl. 106-35.000.
Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, to Daikin Industries, Ltd. Impression composition. 4,810,295, 3-7-89, Cl. 106-38.510.
Yagi, Toshiharu: *See—*
  Tatemoto, Masayoshi; and Yagi, Toshiharu, 4,826,435, Cl. 433-199.100.

- Yagi, Toshihiko; and Shimura, Shinya, to Konishiroku Photo Industry Co., Ltd. Process for producing silver halide photographic emulsion. 4,798,775, 1-17-89, Cl. 430-569.000.
- Yagi, Toshihiko; and Shimazaki, Hiroshi, to Konishiroku Photo Industry Co., Ltd. Silver halide photographic light-sensitive materials containing compound capable of splitting of diffusibie development inhibitor or precursor and silver halide grain having internal fog nucleus. 4,818,670, 4-4-89, Cl. 430-544.000.
- Yagi, Toshimasa, to Isowa Industry Co., Ltd. Method and apparatus for synchronously controlling the printing speed of belt-type printing machine. 4,817,525, 4-4-89, Cl. 101-219.000.
- Yagi, Toshiyuki: *See—*
  - Kitada, Hideki; Takahashi, Masami; Yagi, Toshiyuki; Sukeda, Masaaki; and Nakayama, Tadashi, 4,808,642, Cl. 524-87.000.
- Yagi, Yasuo, to Pioneer Electronic Corporation. Black level correction circuit for correcting black level of a video signal. 4,811,101, 3-7-89, Cl. 358-171.000.
- Yagi, Yasuomi, to Hitachi, Ltd. Shaft torsional vibration monitor for a multi-mass rotary shaft system. 4,862,749, 9-5-89, Cl. 73-650.000.
- Yagi, Yoshiaki: *See—*
  - Horino, Morikatsu; Kawabe, Manabu; and Yagi, Yoshiaki, 4,869,396, Cl. 222-54.000.
- Yagi, Yoshitaka: *See—*
  - Baba, Keitaro; and Yagi, Yoshitaka, 4,830,177, Cl. 198-509.000.
- Yagi, Yuji: *See—*
  - Kano, Hiroyuki; Yagi, Yuji; and Sakaki, Hiroyuki, 4,839,708, Cl. 357-26.000.
- Yagihara, Hiroshi; Goto, Yukihisa; Masamoto, Kazuhisa; Morishima, Yasuo; and Osabe, Hirokazu, to Daicel Chemical Industries Ltd. Pyrone-3-carboxamide compounds and herbicidal composition thereof. 4,886,546, 12-12-89, Cl. 71-88.000.
- Yagihara, Hiroshi: *See—*
  - Goto, Yukihisa; Masamoto, Kazuhisa; Yagihara, Hiroshi; Morishima, Yasuo; and Osabe, Hirokazu, 4,844,732, Cl. 71-94.000.
- Yagihara, Morio; Fujimoto, Hiroshi; Ishikawa, Takatoshi; and Andoh, Kazuto, to Fuji Photo Film Co., Ltd. Method for processing silver halide color photographic material. 4,842,993, 6-27-89, Cl. 430-380.000.
- Yagihara, Morio: *See—*
  - Aida, Shunichi; Yagihara, Morio; Kishimoto, Shinzo; and Fujimoto, Hiroshi, 4,849,324, Cl. 430-445.000.
  - Inoue, Noriyuki; Idota, Yoshio; and Yagihara, Morio, 4,803,146, Cl. 430-248.000.
  - Ishikawa, Takatoshi; Fujimoto, Hiroshi; Ohki, Nobutaka; and Yagihara, Morio, 4,798,783, Cl. 430-372.000.
  - Ishikawa, Takatoshi; and Yagihara, Morio, 4,801,516, Cl. 430-380.000.
  - Ishikawa, Takatoshi; Ohki, Nobutaka; and Yagihara, Morio, 4,863,836, Cl. 430-372.000.
  - Ishikawa, Takatoshi; and Yagihara, Morio, 4,876,174, Cl. 430-380.000.
  - Ohki, Nobutaka; Seto, Nobuo; Na Hideaki; Yagihara, Morio; Andoh, Kazuto; Ishikawa, Takatoshi; and Fujimoto, Hiroshi, 4,801,521, Cl. 430-380.000.
  - Okutsu, Eiichi; Yagihara, Morio; Hirano, Mitsunori; and Hayashi, Katsumi, 4,833,064, Cl. 430-267.000.
  - Takagi, Yoshihiro; Okada, Hisashi; Yagihara, Morio; and Katoh, Kazunobu, 4,851,321, Cl. 430-264.000.
- Yagihashi, Fujio: *See—*
  - Shimizu, Shigeo; Takano, Hiroyuki; and Yagihashi, Fujio, 4,808,711, Cl. 540-227.000.
- Yagino, Masamori; Taniguchi, Masato; Ito, Yoshitomo; Takano, Toshimitsu; Ishikawa, Wataru; Kikuchi, Sadatoshi; and Endo, Tetsuo, to Sony Corporation. Thermal head. 4,841,120, 6-20-89, Cl. 219-216.000.
- Yaginuma, Atsushi: *See—*
  - Inoue, Yoshio; and Yaginuma, Atsushi, 4,801,622, Cl. 521-134.000.
- Yaginuma, Katsuhiro: *See—*
  - Abe, Yoshihito; Yaginuma, Katsuhiro; Nagasawa, Takeshi; and Kuroiwa, Katsumasa, 4,883,863, Cl. 530-331.000.
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- Yaginuma, Nakatsugu: *See—*
  - Muraishi, Katsuaki; Yaginuma, Nakatsugu; Hirai, Kikuo; Arai, Fuminori; and Iwata, Yuzo, 4,855,109, Cl. 422-63.000.
  - Tanaka, Mitsutoshi; Arai, Fuminori; Terashima, Kaoru; and Yaginuma, Nakatsugu, 4,871,679, Cl. 436-79.000.
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- Yaginuma, Takao: *See—*
  - Kondoh, Eiki; Morinaga, Shigeki; Yaginuma, Takao; and Asai, Takeshi, 4,888,721, Cl. 364-736.000.
- Yaginuma, Tamio: *See—*
  - Takahama, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,888,936, Cl. 53-510.000.
  - Takehana, Tsutomu; Kouzai, Tetsuo; Sagara, Masaaki; Yaginuma, Tamio; and Sasaki, Teruji, 4,840,014, Cl. 53-432.000.
- Yagisawa, Shigeru, to Toyoko Kagaku Co., Ltd. Nut holding thrust bearing and highly hermetical sealing fluid joint with the same nut. 4,811,976, 3-14-89, Cl. 285-328.000.
- Yagishita, Aisaburo. Article washing method. 4,861,385, 8-29-89, Cl. 134-10.000.
- Yagishita, Osamu: *See—*
  - Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.
- Yagisita, Sigelu: *See—*
  - Nakagawa, Takashi; Yagisita, Sigelu; and Fukuyama, Masahiro, 4,882,388, Cl. 525-208.000.
- Yagisita, Takahiro: *See—*
  - Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishizu, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.
- Yagoto, Mitsutoshi; Hamada, Akiyoshi; Mino, Masayuki; Tanaka, Yutaka; and Watanabe, Yutaka, to Minolta Camera Kabushiki Kaisha. Laser recorder with stable film feed auxiliary scanning. 4,878,067, 10-31-89, Cl. 346-108.000.
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  - Hamada, Akiyoshi; Yagoto, Mitsutoshi; Watanabe, Yutaka; Mochizuki, Shuji; Mino, Masayuki; Tanaka, Yutaka; and Tachikawa, Kyoji, 4,814,793, Cl. 346-108.000.
- Yagoura, Hideya; and Shimamoto, Haruo, to Mitsubishi Denki Kabushiki Kaisha. Outer lead bonding device utilizing tape carriers. 4,826,068, 5-2-89, Cl. 228-5.100.
- Yagoura, Hideya: *See—*
  - Teraoka, Yasuhiro; Ueda, Tetsuya; Yagoura, Hideya; Shimamoto, Haruo; Nango, Shigeyuki; Banjo, Toshinobu; and Seki, Hiroshi, 4,839,713, Cl. 357-70.000.
- Yaguchi, Akio; and Kondo, Takayuki, to Tsubakimoto Chain Co. Lithographic plate transfer system. 4,856,955, 8-15-89, Cl. 414-278.000.
- Yaguchi, Aki , and Kyoo, Takatsugu, to Tsubakimoto Chain Co. Device for transferring a lithographic plate. 4,874,077, 10-17-89, Cl. 198-408.000.
- Yaguchi, Hiroshi; and Sakamoto, Hiroshi, to Ricoh Company Ltd. Thermosensitive recording material. 4,798,820, 1-17-89, Cl. 503-207.000.
- Yaguchi, Hiroshi: *See—*
  - Ueda, Takashi; Maruta, Keiichi, and Yaguchi, Hiroshi, 4,857,502, Cl. 503-217.000.
- Yaguchi, Hitoshi: *See—*
  - Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, 4,830,916, Cl. 428-138.000.
- Yaguchi, Mitsugu: *See—*
  - Shimoda, Isao; Yaguchi, Mitsugu; and Fujii, Junji, 4,858,510, Cl. 84-402.000.
- Yaguchi, Shigeharu: *See—*
  - Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.
- Yaguchi, Toshiyuki: *See—*
  - Kanuma, Akira; and Yaguchi, Toshiyuki, 4,802,133, Cl. 365-230.000.
- Yaguramaki, Iwao, to Yoshida Kogyo K. K. Lockable slider. 4,827,580, 5-9-89, Cl. 24-419.000.
- Yaguzhinskaya, Valentina P.: *See—*
  - Kurdjumova, Kira N.; Shkodinskaya, Elizaveta N.; Sushinina, Ljudmila P.; Yaguzhinskaya, Valentina P.; Lagova, Nina D.; Sofiina, Zoya P.; Valueva, Irina M.; Lopatin, Petr V.; Krasnova, Margarita A.; Syrkin, Anatoly B.; and Mikhailova, Ljudmila M., 4,810,701, Cl. 514-181.000.
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- Yagyu, Takehiko: *See—*
  - Hashiguchi, Yoshiyuki; Kishi, Masakiti; and Yagyu, Takehiko, 4,870,143, Cl. 526-70.000.
- Yahagi, Hayao: *See—*
  - Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
- Yahagi, Hisashi, to Graphtec Kabushiki Kaisha. Coordinate determining device and method of determining X-Y coordinate position. 4,806,708, 2-21-89, Cl. 178-18.000.
- Yahagi, Kazuyuki; and Suzuki, Toshio, to Kao Corporation. Hair cosmetic composition comprising submicron polymer particles. 4,798,721, 1-17-89, Cl. 424-70.000.
- Yahagi, Kazuyuki; Tsujii, Kaoru; Hirota, Hajime; and Matsumura, Yoshihisa, to Kao Corporation. Detergent composition. 4,824,604, 4-25-89, Cl. 252-546.000.
- Yahagi, Masahiro: *See—*
  - Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,799,127, Cl. 361-321.000.
  - Ono, Shuichi; Itagaki, Shuichi; Yahagi, Masahiro; Furukawa, Kiyoshi; Fujiwara, Shinobu; and Oikawa, Yasunobu, 4,854,936, Cl. 29-570.100.
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  - Ono, Shuicni; Itagaki, Shuichi; and Yahagi, Masahiro, 4,889,837, Cl. 501-139.000.
- Yahagi, Mitsuhisa: *See—*
  - Mamada, Mamoru; Yahagi, Mitsuhisa; and Nakamura, Masao, 4,836,257, Cl. 152-209.00R.
- Yahagi, Shinichiro: *See—*
  - Aoki, Hiroyuki; Yahagi, Shinichiro; and Saito, Takanobu, 4,840,073, Cl. 73-862.360.
- Yahagi, Tadao: *See—*
  - Satoh, Hiroshi; and Yahagi, Tadao, 4,818,960, Cl. 333-185.000.
- Yahagi, Toshio: *See—*
  - Muto, Tetsuji; Matsuda, Shohei; Iwagawa, Yoshihiro; and Yahagi, Toshio, 4,802,711, Cl. 303-96.000.
- Yahashi, Satoru, to Seirei Industry Company Limited; and Yanma Agricultural Equipment Company Limited. Grain sorter for use in a rotary type rice hulling and sorting device. 4,842,144, 6-27-89, Cl. 209-44.100.
- Yahata, Seiro: *See—*
  - Hoshino, Koji; Nouda, Fumio; and Yahata, Seiro, 4,828,613, Cl. 75-251.000.
- Yahav Limited: *See—*
  - Lerner, Yaakov, 4,805,614, Cl. 128-203.170.
- Yahiro, Hiroshi: *See—*
  - Kameda, Kazuyoshi; Kaji, Koichi; Yahiro, Hiroshi; and Kobayashi, Kenichiro, 4,881,069, Cl. 340-735.000.
- Yahiro, Kenji, to NEC Corporation. System for initialization of channel controllers utilizing address pointers calculated from multiplying sizes of data fields with device numbers. 4,882,672, 11-21-89, Cl. 364-200.000.
- Yahr, James H. Prophylatic device. 4,820,290, 4-11-89, Cl. 604-349.000.
- Yahraus, Norman J. Junction box. 4,818,822, 4-4-89, Cl. 174-53.000.
- Yairi, Kazuo, to St. Louis Music Supply Company. Direct coupled bridge construction for acoustic stringed instruments. 4,807,508, 2-28-89, Cl. 84-297.00R.
- Yaita, Shigeru, to Kabushiki Kaisha Yaita Seisakusho. Container with brush and fluid metering unit for fluid type cosmetics 4,840,510, 6-20-89, Cl. 401-149.000.
- Yajima, Akihiko; Nonami, Tetsuo; Sasaki, Masahiko; Uehara, Masao; Tsukaya, Takashi; Kikuchi, Kenichi; Hibino, Hiroki; Tsuruoka, Takao; and Suzuki, Hiromasa, to Olympus Optical Co., Ltd. Stereo endoscope. 4,862,873, 9-5-89, Cl. 128-6.000.
- Yajima, Akio *See—*
  - Joonishi, Hirofumi; and Yajima, Akio, 4,829,456, Cl. 364-522.000.
- Yajima, Akitaka: *See—*
  - Kamakura, Hiroshi; Sonehara, Tomio; Ono, Takeshi; Nakamura, Junichi; Yajima, Akitaka; and Aruga, huji, 4,850,685, Cl. 350-397.000.
- Yajima, Hirotaka, to Minebea Kabushiki-Kaisha. Bearing. 4,810,108, 3-7-89, Cl. 384-488.000.
- Yajima, Junichi, to Nissan Motor Co., Ltd. Air-fuel ratio control system for internal combustion engine having evaporative emission control system. 4,865,000, 9-12-89, Cl. 123-520.000.
- Yajima, Kenichi: *See—*
  - Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, 4,886,246, Cl. 266-157.000.
- Yajima, Kohichi; Kohmoto, Osamu; and Yoneyama, Tetsuhito, to TDK Corporation. Permanent magnet and method of producing same. 4,836,868, 6-6-89, Cl. 148-302.000.
- Yajima, Masashi: *See—*
  - Toyama, Toshio; Kato, Kazuya; Tanaka, Tadamasa; Yajima, Masashi; Hayasaka, Harutaka; Arai, Toru: and Terada, Hitoshi, 4,847,465, Cl. 219-85.100.
- Yajima, Mizuo: *See—*
  - Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, 4,820,520, Cl. 424-439.000.
- Yajima, Yasuhito, to NGK Insulators, Ltd. Pressure sensor. 4,864,271, 9-5-89, Cl. 338-4.000.
- Yajima, Yusuke; and Tsujii, Kanji, to Hitachi, Ltd. Electron spin resonance spectrometer. 4,887,037, 12-12-89, Cl. 324-316.000.
- Yakabe, Masahiro: *See—*
  - Yuasa, Masami; Abe, Kazumi; Shibamoto, Masaji; and Yakabe, Masahiro, 4,812,208, Cl. 162-343.000
- Yakabe, Touru: *See—*
  - Kimura, Sakae; Yakabe, Touru; and Kawai, Mituo, 4,820,954, Cl. 313-270.000.
- Yakada, Yuji: *See—*
  - Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
- Yakashiro, Kenichi: *See—*
  - Yoshitomi, Yasunari; Iwayama, Kenzo; Nagashima, Takeo; and Yakashiro, Kenichi, 4,888,066, Cl. 148-113.000.
- Yakata, Teruo: *See—*
  - Watanabe, Toshinori; Haruna, Koichi; Motoyama, Hiroshi; Nishigaki, Toru; Sasaki, Koji; Yakata, Teruo; and Watanabe, Yoshitaka, 4,890,227, Cl. 364-300.000.
- Yakichi Higo: *See—*
  - Higo, Yakichi; and Morimoto, Hiroshi, 4,820,910, Cl. 235-439.000.
- Yakigaya, Nobuyuki: *See—*
  - Hayashi, Tsutomu; Saito, Mitsuru; Matsuto, Takushi; Nakajima, Yoshihiro; Sakakibara, Kenji; Yakigaya, Nobuyuki; and Nakamura, Kazuhiko, 4,827,721, Cl. 60-489.000.
  - Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
- Yakima, Inc.: *See—*
  - Boyer, Scott M.; Cole, Steven J.; Gauvin, Roger A.; and Mitchell, Joe C., 4,887,754, Cl. 224-319.000.
- Yakima Products, Inc.: *See—*
  - Grim, Michael, 4,877,169, Cl. 224-331.000.
- Yako, Tadaaki: *See—*
  - Kadokura, Hidekimi; Sawara, Kenichi: and Yako, Tadaaki, 4,797,500, Cl. 556-1.000.
- Yakovlev, Viktor S.: *See—*
  - Khutoretsky, Garri M.; Tjurin, Jury G.; Yakovlev, Viktor S.; and Varshavsky, Vladimir D., 4,862,022, Cl. 310-52.000.
  - Khutoretsky, Garri M.; Tjurin, Jury G.; and Yakovlev, Viktor S., 4,864,171, Cl. 310-52.000.
- Yakovleva, Ljudmila S.: *See—*
  - Ivanov, Mikhail G.; Golov, Veniamin G.; Kuzmin, Vladimir N.; Alyakrinskaya, Aida I.; Mushy, Roman Y.; Kovalev, Alexei D.; Shutova, Nadezhda V.; Rodionov, Jury A.; Molev, Igor I.; Yakovleva, Ljudmila S.; Berezin, Vitaly B.; Petrashko, Alexei I.; Shuev, Gennady M.; Bukin, Boris A.; Belkina, Tamara M., deceased; and Belkin, Naum S., administrator, 4,797,424, Cl. 548-374.000.
- Yakubo, Minoru: *See—*
  - Horiguchi, Masashi; and Yakubo, Minoru, 4,843,431, Cl. 355-34.000.
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  - Horiguchi, Masashi; Yakubo, Minoru; Tamura, Yoshikazu; and Ogasawara, Mamoru, 4,853,747, Cl. 355-51.000.
- Yakubovsky, Petr S.: *See—*
  - Antipov, Georgy A.; Gelfand, Mikhail L.; Goldshtein, Boris G.; Korniliev, Gennady A.; Lavnikov, Nikolai S.; Tsipenjuk, Yakov I.; and Yakubovsky, Petr S., 4,811,797, Cl. 173-93.600.
- Yakurigaku Chuo Kenkyusho: *See—*
  - Takahashi, Hidehiko, 4,847,075, Cl. 424-62.000.
- Yakuwa, Masahiko; and Tomozawa, Kikuo, to Honda Giken Kogyo Kabushiki Kaisha. Method of processing controlled variables in engine control system. 4,831,536, 5-16-89, Cl. 364-431.030.
- Yakuwa, Masahiko; and Suzuki, Yoshio, to Honda Giken Kogyo Kabushiki Kaisha. Electronically-controlled fuel injection system. 4,862,369, 8-29-89, Cl. 364-431.070.
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  - Yamato, Akihiro; and Yakuwa, Masahiko, 4,844,038 Cl. 123-479.000.
- Yakuyama, Takashi; and Ueda, Toshiaki, to Nissan Motor Co., Ltd.; and Tokyo Boeki Ltd. Three-dimensional measuring robot. 4,882,527, 11-21-89, Cl. 318-568.130.
- Yalamanchili, Bhaskar; Wisniewski, Frank; and Boudreaux, Thad, to Cargill, Incorporated. Process for producing low carbon steel for cold drawing. 4,853,032, 8-1-89, Cl. 75-10.490.
- Yale, David P.; Montgomery, Robin B.; and Sprunt, Eve S., to Mobil Oil Corporation. Method for measuring stress deformation of materials. 4,864,864, 9-12-89, Cl. 73-800.000.
- Yale, David P.: *See—*
  - Sprunt, Eve S.; and Yale, David P., 4,799,382, Cl. 73-153.000.
- Yale, O. Sherman. Power transmission. 4,885,956, 12-12-89, Cl. 74-710.500.
- Yale, Ramon L., to GTE Products Corporation. Process for producing a terbium-activiated gadolinium oxysulfide x-ray phosphor having a specific green/blue emission ratio by the addition of zinc. 4,888,129, 12-19-89, Cl. 252-301.60S.
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  - Cudd, Charles A., 4,870,841, Cl. 70-107.000.
  - Downs, Stephen R.; and Anderson, Charles E., 4,870,400, Cl. 340-825.310.
  - Heid, George E., 4,796,931, Cl. 292-92.000.
  - Heid, George E., 4,881,765, Cl. 292-92.000.
  - Teague, Ralph T., Jr., 4,876,764, Cl. 16-71.000.
  - Tully, Clay E.; and Perry, Seth D., 4,837,890, Cl. 16-71.000.
- Yale Security Products Limited: *See—*
  - Aston, Walter J.; and Garbett, Paul, 4,866,962, Cl. 70-277.000.
- Yale University: *See—*
  - Arnsten, Amy F. T.; and Goldman-Rakic, Patricia S., 4,847,300, Cl. 514-617.000.
  - Bennett, William R., Jr., 4,868,880, Cl. 381-68.200.
  - Crabtree, Robert H.; and Brown, Stephen H., 4,874,488, Cl. 204-157.150.
  - Hammond, Graeme L.; and Havre, Pamela A., 4,868,286, Cl. 530-350.000.
  - Jensen, Pamela S.; and Comite, Florence, 4,820,736, Cl. 514-651.000.
  - Markey, John K., 4,880,983, Cl. 250-385.100.
  - Radding, Charles M.; Honigberg, Saul M.; Weissman, Sherman; Rigas, Basil; Welcher, Andrew A.; and Ward, David C., 4,888,274, Cl. 435-6.000.
  - Sartorelli, Alan C.; and Lin, Tai-Shun, 4,806,531, Cl. 514-183.000.
  - Sartorelli, Alan C.; Shyam, Krishnamurthy; and Hrubiec, Robert T., 4,849,563, Cl. 514-155.000.
  - Saunders, Martin, 4,855,931, Cl. 364-499.000.
  - Weinstein, Leonard H.; and Galston, Arthur W., 4,818,770, Cl. 514-564.000.
  - Weissman, Sherman M.; and Alonso, Miguel A., 4,835,255, Cl. 530-350.000.
- Yale and Valor p.l.c.: *See—*
  - Thow, Ian; and Gupta, Ajay K., 4,883,043, Cl. 126-512.000.
- Yale, William: *See—*
  - Fletcher, John E.; and Yale, William, 4,869,230, Cl. 126-91.00A.

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Goldberg, Eugene P.; Jayakrishnan, A.; and Yalon, Moshe, 4,819,617, Cl. 128-897.000.

Yalowitz, Charles I.; and Harris, Ronald D., to Texas Instruments Incorporated. Redundant device control unit. 4,797,884, 1-10-89, Cl. 371-9.000.

Yalpani, Manssur; and Magdzinski, Leon, to Domtar Inc. Lignin having nitrogen and sulfur and process therefor employing thiourea. 4,857,638, 8-15-89, Cl. 530-505.000.

Yamaba, Kazuo, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Color sensor. 4,834,541, 5-30-89, Cl. 356-406.000.

Yamabe, Yasuo, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Method for the production of a composite pipe and an apparatus for the same. 4,816,099, 3-28-89, Cl. 156-73.100.

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Fujii, Noriaki; Kitamura, Mamoru; and Yamada, Akira, 4,798,946, Cl. 235-492.000.
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Komatsu, Haruo; and Yamada, Atsushi, 4,811,179, Cl. 362-256.000.

Yamada Chemical Co., Ltd.: *See—*
Fujino, Yoshiharu; Kawai, Hajime; and Tsunemitsu, Katsuhiko, 4,845,245, Cl. 549-304.000.
Fujisaki, Hideaki; Mizuno, Kouzou; Sueto, Yukihiko; and Tsunemitsu, Katsuhiko, 4,820,841, Cl. 546-152.000.
Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,808,567, Cl. 503-220.000.
Kawai, Hajime; Taniguchi, Masatoshi; and Tsunemitsu, Katsuhiko, 4,814,320, Cl. 503-220.000.
Kawai, Hajime; Fujino, Yoshiharu; Shimizu, Youji; Nieda, Seiichi; Gendai, Kazuhiko; and Tsunemitsu, Katsuhiko, 4,835,291, Cl. 549-304.000.

Yamada, Daisuke: *See—*
Tatara, Yoshikuni; and Yamada, Daisuke, 4,831,409, Cl. 364-526.000.

Yamada, David H.: *See—*
Shipley, Dale L.; Arnett, Joan D.; Arnett, William A.; Baumel, Steven D.; Bhavnani, Anil; Chou, Chuenpu J.; Nelson, David L.; Soha, Maty; and Yamada, David H., 4,819,159, Cl. 364-200.000.

Yamada, Eiichi: *See—*
Matsumoto, Takeo; Yamada, Eiichi; Nakachi, Osamu; Irukayama, Godo; and Minoshima, Yoshihiro, 4,824,876, Cl. 522-24.000.

Yamada, Eiji: *See—*
Sakamoto, Masashi; Okuda, Haruo; Takahashi, Hideo; and Yamada, Eiji, 4,880,703, Cl. 428-378.000.

Yamada, Eizaburo: *See—*
Fukuzawa, Tadashi; Yamada, Eizaburo; Hiruma, Kenji; and Matsumura, Hiroyoshi, 4,847,573, Cl. 332-7.510.

Yamada, Fumiaki; and Hosobuchi, Masato, to Nakamichi Corporation. Laser control circuit. 4,796,267, 1-3-89, Cl. 372-38.000.

Yamada, Fuzio: *See—*
Yasuda, Makoto; Miyashita, Tsune; Murayama, Seiichi; Arai, Yoji; and Yamada, Fuzio, 4,803,406, Cl. 315-174.000.

Yamada, Haruki: *See—*
Sasaki, Noboru; Yamada, Haruki; Onchi, Yoshiaki; and Horio, Kazuya, 4,800,362, Cl. 340-78.000.

Yamada, Haruo: *See—*
Kitagawa, Yuichi; Yamada, Haruo; and Saito, Akira, 4,835,209, Cl. 524-507.000.

Yamada, Haruyasu: *See—*
Mori, Toshiki; Yamada, Haruyasu; Aono, Kunitoshi; and Maruyama, Masakatsu, 4,845,767, Cl. 382-41.000.
Takemoto, Toyoki; Komeda, Tadao; Yamada, Haruyasu; and Fujita, Tsutomu, 4,826,780, Cl. 437-37.000.

Yamada Hatsudoki Kabushiki Kaisha: *See—*
Ueda, Hideaki, 4,831,823, Cl. 60-313.000.

Yamada, Hideaki; Enomoto, Kanehiko; and Watanabe, Ichiro, to Yamada, Hideaki; and Nitto Kagaku Kogyo Kabushiki Kaisha. Method of cultivation of pseudomonas bacteria. 4,880,739, 11-14-89, Cl. 435-129.000.

Yamada, Hideaki: *See—*
Kakimoto, Shigeya; Sumino, Yasuhiro; Yamada, Hideaki; Imayasu, Satoshi; Ichikawa, Eiji; and Suizu, Tetsuyoshi, 4,844,911, Cl. 426-11.000.
Tanihara, Masao; Oka, Kiichiro; Yamada, Hideaki; Kobayashi, Akira; Nakashima, Toshihide; Omura, Yoshiaki; and Takakura, Koichi, 4,889,917, Cl. 530-324.000.

Yamada Hidehiko: *See—*
Asami, Kazutomo; Yamada Hidehiko; and Shimizu, Nobuhiro, 4,830,582, Cl. 417-312.000.

Yamada, Hideji; Nagao, Akira; Nakajima, Toyohei; Suzaki, Yukihiko; Joge[illegible], Masao; and Tanaka, Akira, to Honda Giken Kogyo Kabushiki Kaisha. Variable air induction control system for internal combustion engine. 4,841,935, 6-27-89, Cl. 123-432.000.

Yamada, Hideji: *See—*
Tanaka, Akira; Nagao, Akira; Suzaki, Yukihiko; Yamada, Hideji; Nakajima, Toyohei; and Mieno, Toshiyuki, 4,796,586, Cl. 123-425.000.

Yamada, Hideki: *See—*
Jindai, Hideo; Bando, Keiji; Yoshida, Masakazu; and Yamada, Hideki, 4,889,466, Cl. 414-694.000.

Yamada, Hidemi: *See—*
Morimoto, Takeshi; Hamatani, Yoshiki; Yoshitake, Masaru; and Yamada, Hidemi, 4,831,499, Cl. 361-806.000.

Yamada, Hideto: *See—*
Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.
Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, 4,849,055, Cl. 162-158.000.
Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, 4,882,087, Cl. 252-312.000.

Yamada, Hidetoshi; and Nagasaki, Tatsuo, to Olympus Optical Co., Ltd. Field sequential color imaging apparatus. 4,875,091, 10-17-89, Cl. 358-42.000.

Yamada, Hidetoshi: *See—*
Ando, Fumihiko; Kumada, Junji; Fujita, Yoshihiro; Yamada, Hidetoshi; and Nakamura, Kazuhiko, 4,839,729, Cl. 358-213.160.

Yamada, Hiroaki; and Sato, Eiichi, to NEC Corporation. Piezoelectric motor with multilayer piezoelectric elements. 4,814,660, 3-21-89, Cl. 310-328.000.

Yamada, Hiroaki: *See—*
Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, 4,886,803, Cl. 514-252.000.

Yamada, Hiroji: *See—*
Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.

Yamada, Hirokazu, to Minolta Camera Kabushiki Kaisha. Sheet transporting speed control apparatus. 4,858,906, 8-22-89, Cl. 271-176.000.

Yamada, Hirokazu, to Minolta Camera Kabushiki Kaisha. Programmed control device for copying machines and the like. 4,884,103, 11-28-89, Cl. 355-200.000.

Yamada, Hirokazu: *See—*
Johdai, Akiyoshi; Kinoshita, Keichi; Kubota, Kazuyuki; Matsui, Toshio; Yamada, Hirokazu; and Ohta, Masaya, 4,814,825, Cl. 355-14.0SH.

Yamada, Hironori: *See—*
Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, 4,851,504, Cl. 528-287.000.

Yamada, Hiroshi: *See—*
Kido, Koichi; Shibayama, Kenji; Isobe, Yutaka; Tsuruta, Masahiko; and Yamada, Hiroshi, 4,811,122, Cl. 360-25.000.
Shinozawa, Yusaku; Komatu, Atuyoshi; Okada, Masahiro; Yamada, Hiroshi; and Fujita, Masatoshi, 4,809,529, Cl. 7[illegible]-31.000.

Yamada, Hirotada; Ina, Yoshifumi; Kondo, Toshio; and Kato, Katsushi, to Nippondenso Co., Ltd. Fuel pump driving apparatus. 4,827,897, 5-9-89, Cl. 123-497.000.

Yamada, Hisashi: *See—*
Maeno, Seiji; Ozaki, Hidetaka; and Yamada, Hisashi, 4,830,779, Cl. 252-512.000.
Tanimoto, Hiroshi; and Yamada, Hisashi, 4,800,339, Cl. 330-253.000.

Yamada, Hitoshi: *See—*
Noguchi, Yasuhiro; Yamada, Hitoshi; and Funyu, Yukio, 4,887,230, Cl. 364-560.000.

Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, to Toyota Jidosha Kabushiki Kaisha; and Tsuda Industries, Co., Ltd. Apparatus for supporting shift lever for transmission. 4,873,884, 10-17-89, Cl. 74-473.00P.

Yamada, Ikuo, to NEC Corporation. Memory access control apparatus. 4,802,125, 1-31-89, Cl. 365-189.000.

Yamada, Isamu: *See—*
Shiba, Akira; Yamada, Isamu; and Murakami, Keiichi, 4,836,210, Cl. 128-660.060.

Yamada, Izumi; Oishi, Tetsuya; and Hanashita, Kazuhiko, to Mitsui Mining Company, Limited; and Mitsui Toatsu Chemicals, Incorporated. Coal-methanol slurry and its production process. 4,802,891, 2-7-89, Cl. 44-51.000.

Yamada, Izumi: *See—*
Koike, Masahiro; Takahashi, Fuminobu; Ogura, Satoshi; and Yamada, Izumi, 4,831,598, Cl. 367-7.000.

Yamada, Jiro; Haseoka, Masahide; and Obata, Isao, to Matsushita Electric Industrial Co., Ltd. System for recording information from one recording medium onto a reversing cassette tape recording medium without loss of information during a reversing operation. 4,841,503, 6-20-89, Cl. 369-14.000.

Yamada, Joseph: *See—*
Nomura, Akira; and Yamada, Joseph, 4,816,499, Cl. 523-218.000.

Yamada, Jun; and Eguchi, Hiromi, to Mitsubishi Paper Mills, Ltd. Electrophotographic plate for making printing plate comprising phthalocyanine pigment and thiobarbituric acid residue containing compound. 4,882,248, 11-21-89, Cl. 430-49.000.

Yamada, Jun: *See—*
Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, 4,879,197, Cl. 430-119.000.
Saitoh, Masakatsu; Kumisawa, Yuko; Yamada, Jun; and Satoh, Kohzoh, 4,832,457, Cl. 350-334.000.
Takahashi, Toshimitsu; Shiba, Takashi; Fujita, Yuji; and Yamada, Jun, 4,818,961, Cl. 333-194.000.

Yamada, Junichiro: *See—*
Kato, Akira; and Yamada, Junichiro, 4,795,859, Cl. 191-4.000.

Yamada, Junji; Mawatari, Yasushi; Ikegami, Toru; Nishio, Koichi; Sato, Motoyuki; Burgkhardt, Bertram; Piesch, Ernst; and Ugi, Siegfried, to Toshiba Glass Co., Ltd.; and Kernforschungszentrum Karlsruhe GmbH. System for measuring radiation doses using fluorescent dosemeters. 4,880,986, 11-14-89, Cl. 250-484.100.

Yamada, Kaname: *See—*
Oka, Kengo; and Yamada, Kaname, 4,813,677, Cl. 273-232.000.
Oka, Kengo; and Yamada, Kaname, 4,848,766, Cl. 273-232.000.

Yamada, Kaneo: *See—*
Hayashi, Shigeru; and Yamada, Kaneo, 4,851,345, Cl. 435-215.000.

Yamada, Katsuhiko; Ojima, Kunio; Asakura, Takashi; Yamamori, Yasuke; and Nakamura, Yukihiro, to Sumitomo Electric Industries, Ltd. Apparatus for heat treatment of steel rods. 4,871,146, 10-3-89, Cl. 266-106.000.

Yamada, Katsuhiko: *See—*
Hatanaka, Katsunori; Saika, Toshihiro; Ishii, Takayuki; and Yamada, Katsuhiko, 4,857,751, Cl. 250-578.000.
Onizuka, Masakazu; Tatani, Atsushi; Yamada, Katsuhiko; Hino, Masao; Maeda, Nobutaka; and Arai, Tokuma, 4,818,445, Cl. 261-87.000.

Yamada, Katsumi, to Chuorika Co., Ltd. Homogenizing mixer. 4,865,459, 9-12-89, Cl. 366-270.000.

Yamada, Katsunori: *See—*
Tachi, Kazuyuki; Okuda, Chikaaki; Yamada, Katsunori; Oyama, Yoichi; and Suzuki, Shoichi, 4,798,335, Cl. 239-296.000.

Yamada, Katsuya; and Okita, Koichi, to Sumitomo Electric Industries, Ltd. Gas-selectively permeable membrane and method of forming said membrane. 4,832,713, 5-23-89, Cl. 55-158.000.

Yamada, Katsuya: *See—*
Okita, Koichi; Asako, Shigeru; Yamada, Katsuya; Okabe, Kazuhiro; and Kashiwagi, Tohru, 4,822,361, Cl. 623-12.000.

Yamada, Kazuji: *See—*
Kobori, Shigeyuki; Yamada, Kazuji; Kobayashi, Ryoichi; Miyazaki, Atsushi; and Suzuki, Seikou, 4,802,952, Cl. 156-634.000.
Oho, Shigeru; Yamada, Kazuji; and Tsuchitani, Shigeki, 4,835,595, Cl. 357-30.00R.

Yamada, Kazumasa, to Yamada Yuki Seizo Co., Ltd. Diaphragm pump with pressure chamber having a ribbed wall. 4,817,503, 4-4-89, Cl. 92-98.00R.

Yamada, Kazunari: *See—*
Nomura, Kunihiro; Machida, Tetsuo; Yamada, Kazunari; and Takekoshi, Toshio, 4,866,520, Cl. 358-140.000.

Yamada, Kazuo; Tsuchiya, Masahiro; Kakita, Hideaki; Maruyama, Reijiro; Okada, Yoshinobu; and Takeuchi, Yo, to Mitsubishi Aluminum Kabushiki Kaisha. Method of using aluminum alloy as substrate for magnetic discs with enhanced magnetic recording density. 4,826,737, 5-2-89, Cl. 428-650.000.

Yamada, Kazuo, to Togo Japan Inc. Amusement ride device. 4,831,937, 5-23-89, Cl. 104-56.000.

Yamada, Kazuo: *See—*
Furubayashi, Tadashi; Yamada, Kazuo; and Fujitani, Hitoshi, 4,838,606, Cl. 296-188.000.
Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji; and Yamada, Kazuo, 4,799,353, Cl. 57-281.000.
Kawasaki, Yoshio; Horibe, Tatutake; Sasaki, Kenji: and Yamada, Kazuo, 4,841,720, Cl. 57-281.000.

Yamada, Kazuya; Nishikawa, Kazunori; and Tanaka, Koji, to Victor Company of Japan Ltd. Digital muting circuit. 4,811,370, 3-7-89, Cl. 377-54.000.

Yamada, Kazuya; Nishikawa, Kazunori; Tanaka, Koji; and Yamada, Yasuhiro, to Victor Company of Japan, Ltd. Digital data processing system. 4,868,827, 9-19-89, Cl. 371-37.500.

Yamada, Kazuya: *See—*
Tanaka, Koji; Nishikawa, Kazunori; and Yamada, Kazuya, 4,885,750, Cl. 371-37.400.

Yamada, Keiichi: *See—*
Koshiba, Mitsunobu; Yamada, Keiichi; Harita, Yoshiyuki; Kawamura, Shin'ichi; and Furuto, Yuuji, 4,886,565, Cl. 156-345.000.

Yamada, Keiko: *See—*
Ueno, Hideo; Shibata, Satoshi; and Yamada, Keiko, 4,853,695, Cl. 341-26.000.

Yamada, Keisuke: *See—*
Iida, Shinobu; Fujiyama, Masaaki; Komine, Shigeo; and Yamada, Keisuke, 4,888,212, Cl. 427-130.000.

Yamada, Kengi: *See—*
Kato, Kenzo; and Yamada, Kengi, 4,860,686, Cl. 118-410.000.

Yamada, Kenichi, to Fuji Jukogyo Kabushiki Kaisha. Infinitely variable speed transmission with a variable diameter pulley system. 4,850,938, 7-25-89, Cl. 474-28.000.

Yamada, Kenji: *See—*
Hayashi, Kimiaki; Ozaki, Yasuhiko; Yamada, Kenji; Takenaga, Hideyuki; and Inoue, Ichizo, 4,857,543, Cl. 314-444.000.

Yamada, Kiichiro; and Nishida, Tsuyoshi, to Kubota, Ltd. Engine with forced air-cooling. 4,825,816, 5-2-89, Cl. 123-41.570.

Yamada, Kiichiro, to Kubota Ltd. Partially liquid-cooled type forced air-cooling system for internal combustion engine. 4,873,944, 10-17-89, Cl. 123-41.570.

Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, to Clarion Co., Ltd. Dust door mechanism in tape player. 4,831,473, 5-16-89, Cl. 360-96.500.

Yamada, Kimichika; Ito, Yukio; and Ohkawa, Hiroyuki, to Clarion Co., Ltd. Double insertion and inner lid float preventing mechanism. 4,855,848, 8-8-89, Cl. 360-96.500.

Yamada, Kimichika: *See—*
Ito, Yukio; Yamada, Kimichika; and Ohkawa, Hiroyuki, 4,858,042, Cl. 360-96.500.
Muramatsu, Hidenori; Yamada, Kimichika; Nozawa, Katsuya; and Goto, Yoshihiko, 4,841,392, Cl. 360-85.000.

Yamada, Kimimasa: *See—*
Kaieda, Takeji; Yamada, Kimimasa; and Yamawaki, Naokuni, 4,839,290, Cl. 435-240.230.

Yamada, Kimitoshi: *See—*
Hino, Yusuke; Horimoto, Tohru; Gemma, Hideaki; Iwata, Toshiharu; and Yamada, Kimitoshi, 4,879.550, Cl. 340-825.050.

Yamada, Kinji; Nagata, Masaki; Suyama, Siniti; and Okamura, Momoko, to Japan Synthetic Rubber Co., Ltd. Zirconia-based coating composition. 4,830,672, 5-16-89, Cl. 106-287.190.

Yamada, Kiyoshi. Back-mirror fitted with illumination light at car side. 4,809,137, 2-28-89, Cl. 362-61.000.

Yamada, Kiyoshi: *See—*
Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kiyoshi, 4,850,096, Cl. 29-508.000.
Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kiyoshi, 4,880,260, Cl. 285-382.200.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; Kanai, Tsutomu; and Matsui, Toshikazu, 4,884,080, Cl. 346-46.000.
Hirahara, Shuzo; Nagato, Hitoshi; Higuchi, Kazuhiko; Yamada, Kiyoshi; Ohno, Tadayoshi; and Kanai, Tsutomu, 4,890,121, Cl. 346-76.0PH.
Kitamura, Shiro; Koizumi, Junji; and Yamada, Kiyoshi, 4,816,670, Cl. 250-227.000.

Yamada, Kiyoshige: *See—*
Sakamoto, Toshinori; and Yamada, Kiyoshige, 4,834,448, Cl. 296-210.000.

Yamada, Kohdo: *See—*
Takuma, Yuuetsu; Kajioka, Hiroshi; Kumagai, Tatsuya; Tokunaga, Toshihide; and Yamada, Kohdo, 4,818,047, Cl. 350-96.330.

Yamada, Kohzaburoh: *See—*
Ichijima, Seiji; Usui, Hideo; and Yamada, Kohzaburoh, 4,818,6[illegible]8, Cl. 430-505.000.

Yamada, Koichi: *See—*
Homma, Kazuya; Nogi, Hiroshi; Yamada, Koichi; Kitazume, Masahiro; Uzawa, Masamitsu; and Aoki, Makoto, 4,878,754, Cl. 356-376.000.

Yamada, Koichiro: *See—*
Niida, Chiaki; Ito, Tomoo; Nishimiya, Torazo; Iseyama, Takashi; and Yamada, Koichiro, 4,823,750, Cl. 123-339.000.
Saito, Masao; and Yamada, Koichiro, 4,864,062, Cl. 564-512.000.
Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, 4,839,[illegible], Cl. 514-252.000.

Yamada, Koji; and Sakamoto, Noriaki, to Kabushiki Kaisha Toshiba. Refrigerator with cold accumulation system. 4,840,037, 6-20-89, Cl. 62-199.000.

Yamada, Koji, to Kabushiki Kaisha Toshiba. Refrigerator control system. 4,843,831, 7-4-89, Cl. 62-155.000.

Yamada, Koji, to Sumitomo Electric Industries, Ltd. Cell culture incubator. 4,871,676, 10-3-89, Cl. 435-290.000.

Yamada, Koji: *See—*
Nakagawa, Susumu; Ushijima, Ryosuke; Nakano, Fumio; Yamada, Koji; and Mano, Eiichi, 4,883,868, Cl. 540-222.000.
Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.
Ooka, Akihiro; Okamoto, Kenji; and Yamada, Koji, 4,794,655, Cl. 5-81.00R.

Yamada, Koudo: *See—*
Kajioka, Hiroshi; Yamada, Koudo; Takuma, Yuuetsu; and Teraoka, Tatsuo, 4,859,223, Cl. 65-3.120.

Yamada, Kouichi; and Mizuno, Masatoshi, to NEC Corporation. Carry circuit suitable for a high-speed arithmetic operation. 4,845,655, 7-4-89, Cl. 364-786.000.

Yamada, Kouji: *See—*
Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, 4,835,183, Cl. 514-549.000.

Yamada, Kouzou, to Honda Giken Kogyo Kabushiki Kaisha. Carrier for a vehicle. 4,826,057, 5-2-89, Cl. 224-32.00A.

Yamada, Kozo: *See—*
Gomi, Toyoji; and Yamada, Kozo, 4,800,369, Cl. 340-572.000

Morito, Makoto; Tabei, Yukio; and Yamada, Kozo, 4,852,181, Cl. 381-46.000.

Yamada, Kunihiko: *See—*

  Ueda, Kouichi; Fujiwara, Akihiro; Suda, Hirofumi; Toyama, Masamichi; and Yamada, Kunihiko, 4,871,906, Cl. 250-201.000.

Yamada, Kunihiro, to Ricoh Company, Ltd. Multiple access communication system. 4,817,087, 3-28-89, Cl. 370-85.000.

Yamada, Kunimitsu, to Kensetsukiso Engineering Co., Ltd.; and Okabe Co., Ltd. Retaining panel. 4,798,499, 1-17-89, Cl. 405-286.000.

Yamada, Kunio; and Ito, Masao, to Fuji Xerox Co., Ltd. Multi-beam scanning optical system. 4,796,961, 1-10-89, Cl. 350-6.800.

Yamada, Kunio; Miyazaki, Kohzoh; Oowatari, Yoshitaka; Egami, Yoshio; and Honma, Toshio; to Sumitomo Chemical Co., Ltd.; and Japan Butyl Co., Ltd. Peelable protective film. 4,808,484, 2-28-89, Cl. 428-522.000.

Yamada, Kunio. Head connecting device in golf clubs. 4,854,582, 8-8-89, Cl. 273-80.200.

Yamada Machinery Industrial Co., Ltd.: *See—*

  Yamada, Akio; and Tsunemitsu, Sakuji, deceased, 4,848,846, Cl. 30-276.000.

Yamada, Makoto, to Fuji Photo Film Co., Ltd. Material with pH not higher than 7 containing silver halide, reducing agent and polymerizable compound. 4,853,312, 8-1-89, Cl. 430-138.000.

Yamada, Makoto; and Odaka, Kentaro, to Sony Corporation. Fir type digital filter for recording and reproducing apparatus. 4,853,797, 8-1-89, Cl. 360-32.000.

Yamada, Makoto, to Fuji Photo Film Co., Ltd. Silver halide and polymerizable compound containing light-sensitive layer provided on support of defined roughness. 4,883,738, 11-28-89, Cl. 430-138.000.

Yamada, Mamoru; and Tanaka, Takeo. Composition for imparting fire-retardant properties to polyester fibers. 4,801,405. 1-31-89, Cl. 252-609.000.

Yamada, Mamoru: *See—*

  Azuma, Nobuyuki; Nakamura, Kazuo; Maeda, Minoru; and Yamada, Mamoru, 4,842,840, Cl. 423-345.000.

Yamada, Masahiko: *See—*

  Shimura, Toshio; Yamada, Masahiko; Ishii, Yoshiteru; and Tamase, Fuminobu, 4,843,637, Cl. 455-200.000.

Yamada, Masahiro; and Kawai, Kiyoyuki, to Kabushiki Kaisha Toshiba. Sample rate conversion system having interpolation function. 4,870,661, 9-26-89, Cl. 375-122.000.

Yamada, Masahiro, to Asahi Research Corporation. Video camera and recorder system with illumination control features. 4,881,128, 11-14-89, Cl. 358-228.000.

Yamada, Masahiro: *See—*

  Matsumoto, Susumu; Ohta, Hiroki; Yamada, Masahiro; Higashino, Yoshiaki; and Fukuchi, Toshiki, 4,877,804, Cl. 514-342.000.

  Okamura, Hiromasa; and Yamada, Masahiro, 4,867,284, Cl. 188-218.0XL.

Yamada, Masaji: *See—*

  Hikuma, Hideo; and Yamada, Masaji, 4,796,462, Cl. 72-469.000.

Yamada, Masaki: *See—*

  Inazawa, Yoshizumi; Yamada, Masaki; Ishibashi, Hiroshi; and Ozaki, Shinya, 4,873,589, Cl. 360-53.000.

Yamada, Masami: *See—*

  Kisanuki, Hisayuki; and Yamada, Masami, 4,843,759, Cl. 49-480.000.

Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, to Hitachi, Ltd. Thin film magnetic head. 4,799,118, 1-17-89, Cl. 360-125.000.

Yamada, Masanori, to Canon Kabushiki Kaisha. Image processing system. 4,802,229, 1-31-89, Cl. 382-1.000.

Yamada, Masanori, to Canon Kabushiki Kaisha. Image processing apparatus. 4,816,866, 3-28-89, Cl. 355-14.00R.

Yamada, Masanori, to Canon Kabushiki Kaisha. Image forming apparatus. 4,847,662, 7-11-89, Cl. 355-55.000.

Yamada, Masanori: *See—*

  Akashi, Akira; and Yamada, Masanori, 4,803,507, Cl. 354-400.000.

  Sugishima, Kiychisa; and Yamada, Masanori, 4,797,706, Cl. 355-14.00R.

Yamada, Masao: *See—*

  Nakaishi, Masafumi; and Yamada, Masao, 4,820,546, Cl. 427-38.000.

Yamada, Masato: *See—*

  Mitsuya, Teruaki; Kumasaka, Takao; Nishino, Shinichi; Yamada, Masato; and Fujiwara, Shigetaka, 4,821,052, Cl. 355-14.0FU.

  Takano, Yasuo; Tokoro, Hiroyoshi; Kobayashi, Junji; Yamada, Masato; Harada, Toshimitsu; and Hosoya, Kensei, 4,796,561, Cl. 118-657.000.

Yamada, Masatoshi: *See—*

  Takehana, Takamichi; Murayama, Osamu; Nakajima, Hideaki; Yamada, Masatoshi; and Hamada, Makoto, 4,878,080, Cl. 354-403.000.

Yamada, Masaya: *See—*

  Okamoto, Kiyohide; Okita, Ryosuke; and Yamada, Masaya, 4,856,631, Cl. 192-21.500.

Yamada, Masayuki. Trill mechanism for wind instrument. 4,882,968, 11-28-89, Cl. 84-384.000.

Yamada, Michihiro; and Miyamoto, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Wafer scale integration semiconductor device having improved chip power-supply connection arrangement. 4,855,613, 8-8-89, Cl. 307-202.100.

Yamada, Michihiro: *See—*

  Miyamoto, Hiroshi; and Yamada, Michihiro, 4,803,663, Cl. 365-189.000.

  Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, 4,870,620, Cl. 365-222.000.

Yamada, Minoru, to Fuji Photo Film Co., Ltd. Photographic material developing and processing apparatus. 4,800,408, 1-24-89, Cl. 354-322.000.

Yamada, Minoru; and Toyoda, Takashi, to Fuji Photo Film, Co. Ltd. Method for processing silver halide photographic material with an alkaline black and white developer. 4,810,622, 3-7-89, Cl. 430-420.000.

Yamada, Minoru; and Seto, Kunio, to Fuji Photo Film Co., Ltd. Process for processing silver halide photographic materials. 4,826,757, 5-2-89, Cl. 430-428.000.

Yamada, Minoru; and Seto, Kunio, to Fuji Photo Film Co., Ltd. Automatic image developing apparatus for silver halide photographic photosensitive material. 4,829,330, 5-9-89, Cl. 354-322.000.

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Yamada, Minoru; Ito, Eiji; Miyama, Kenji; Sawamura, Masataka; Hoshino, Yasushi; and Makino, Masamori, to Konishiroku Photo Industry Co., Ltd. Automatic focusing method and camera provided with automatic focusing apparatus. 4,841,323, 6-20-89, Cl. 354-400.000.

Yamada, Minoru: *See—*

  Funamoto, Takao; Kajiwara, Ryoichi; Katou, Mituo; Matsuzaka, Takeshi; Shida, Tomohiko; Wachi, Hiroshi; Takahashi, Kazuya; Watanabe, Masatoshi; Yamada, Minoru; Nakanishi, Keiichirou; and Sugawara, Katuo, 4,809,058, Cl. 357-82.000.

  Kawasaki, Eiichiro; Kitagawa, Masao; Okabe, Hidemi; Tabata, Masaru; and Yamada, Minoru, 4,869,367, Cl. 206-409.000.

  Nakanishi, Keiichirou; and Yamada, Minoru, 4,870,477, Cl. 357-82.000.

Yamada, Mitsuhiko: *See—*

  Hirosawa, Makoto; and Yamada, Mitsuhiko, 4,823,289, Cl. 364-523.000.

Yamada, Mitsuho: *See—*

  Sato, Akihiro; Yamada, Mitsuho; and Isshiki, Shigehiro, 4,826,472, Cl. 474-202.000.

Yamada, Mitsuo; Kanda, Kazunori; Shirakawa, Shinsuke; Umemoto, Hirotoshi; and Mizuguchi, Ryuzo, to Nippon Paint Co., Ltd. Electrodeposition coating composition containing modified epoxy resin having chargeable groups. 4,829,105, 5-9-89, Cl. 523-415.000.

Yamada, Morihiko: *See—*

  Okamoto, Shosuke; Okada, Yoshio; Okunomiya, Akiko; Naito, Taketoshi; Kimura, Yoshio; Yamada, Morihiko; Ohno, Norio; Katsuura, Yasuhiro, Nojima, Hiroshi; and Shishikura, Takashi, 4,873,253, Cl. 514-352.000.

Yamada, Morio; and Kimura, Yoshihiko, to Tokyo Seikan Kaisha, Ltd. Apparatus for flowing and filling liquified inert gas. 4,880,041, 11-14-89, Cl. 141-167.000.

Yamada, Motokazu; Hayakawa, Hideyuki, Fukui, Tomonori; Matsuhashi, Hajime; Kaneko, Yasuhiro; Ikeda, Motozo; and Nagata, Tomihiko, to Nippondenso Co., Ltd. Vehicle running guide system. 4,812,845, 3-14-89, Cl. 340-995.000.

Yamada, Motoyuki; Hayashida, Akira; Numanami, Kazutoshi; and Iizuka, Takahiro, to Shin-Etsu Chemical Co., Ltd. Process for producing silicon carbide whiskers. 4,849,196, 7-18-89, Cl. 423-345.000.

Yamada, Muneharu: *See—*

  Takatani, Teruhiko; Yamada, Muneharu; and Miyamoto, Tomomi, 4,852,897, Cl. 280-91.000.

  Tomoda, Atsuo; Kijima, Takao; Yamada, Muneharu; and Itoh, Takaaki, 4,821,830, Cl. 180-140.000.

Yamada, Muneki; and Kawaguchi, Kiyoshi, to Toyo Seikan Kaisha, Ltd. Method of extruding and compression molding a multilayered article. 4,876,052, 10-24-89, Cl. 264-148.000.

Yamada, Muneki: *See—*

  Akao, Takeshi; Sakai, Morihiko; Ohsaki, Katsumichi; and Yamada, Muneki, 4,851,115, Cl. 210-189.000.

Yamada, Mutsuo; Kamiguchi, Taiji; Tanimoto, Hirotoshi; Arikawa, Yoshijiro; Kaku, Hiroyuki; and Takamoto, Shigehito, to Babcock-Hitachi Kabushiki Kaisha. Process for producing an oxygen-containing organic compound from olefins. 4,806,692, 2-21-89, Cl. 568-401.000.

Yamada, Naoki: *See—*

  Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, 4,813,603, Cl. 239-113.000.

Yamada, Naoto: *See—*

  Yoshimura, Ryoichi, Torii, Shumpeita; and Yamada, Naoto, 4,889,989, Cl. 250-327.200.

Yamada, Noboru; Abe, Tomohiko; and Miyazawa, Osamu, to Seiko Epson Corporation. Read/write apparatus for disk cartridge. 4,839,760, 6-13-89, Cl. 360-97.010.

Yamada, Noboru: *See—*

  Nagata, Kenichi; and Yamada, Noboru, 4,839,883, Cl. 369-286.000.

Yamada, Nobuo; and Kobayashi, Toyohiko, to Takasago Perfumery Co., Ltd. Perfume composition. 4,885,274, 12-5-89, Cl. 512-16.000.

Yamada, Nobuo: *See—*

  Oseto, Osamu; and Yamada, Nobuo, 4,814,249, Cl. 430-109.000.

  Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, 4,863,825, Cl. 430-109.000.

Yamada, Nobutoshi: *See—*

  Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,845,093, Cl. 514-247.000.

  Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; Koyanagi, Toru; and Okada, Hiroshi, 4,863,924, Cl. 514-247.000.

  Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.

Yamada, Nobuyuki: *See—*

  Shimizu, Motoharu; Minegishi, Masayoshi; Yamada, Nobuyuki; and Kobayashi, Kohji, 4,820,592, Cl. 428-692.000.

Yamada, Norio: *See—*

  Eguchi, Hiroyoshi; Yamada, Norio; Kusuyama, Itaru; and Saitou, Chikara, 4,839,798, Cl. 364-200.000.

Yamada, Noriyuki: *See—*

  Oikawa, Toshihiro; Tanai, Tsuneo; Yamada, Noriyuki; Saka, Tsutomu; and Kobayashi, Toshiki, 4,883,027, Cl. 123-90.160.

Yamada, Okimasa; Mizuno, Tetsuya; Sonoi, Takehiro; and Sagawa, Toshimasa, to Nippon Mektron Limited. Fluorine-containing elastomer composition. 4,833,212, 5-23-89, Cl. 525-359.200.

Yamada, Okimasa: *See—*

  Sonoi, Takehiro; Sagawa, Toshimasa; Yamada, Okimasa; and Mizuno, Tetsuya, 4,885,398, Cl. 568-404.000.

Yamada, Osamu, to Hitachi, Ltd. Drive apparatus for specimen stage of microscope. 4,814,682, 3-21-89, Cl. 318-640.000.

Yamada, Osamu, to Nippon Hoso Kyokai. Framing timing detection circuit for a character code broadcasting system. 4,819,231, 4-4-89, Cl. 370-94.000.

Yamada, Osamu: *See—*

  Kanaya, Masayuki; Masuda, Toshiyuki; and Yamada, Osamu, 4,810,842, Cl. 200-295.000.

Yamada, Ryuji; and Igata, Shoji, to Mitsui Miike Machinery Company, Limited. Double ended ranging drum shearer and method of controlling working height in mining face in use of the same. 4,822,105, 4-18-89, Cl. 299-1.000.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, to Fuji Photo Film Co., Ltd. Radiation image erase unit for use with stimulable phosphor sheet. 4,849,633, 7-18-89, Cl. 250-327.200.

Yamada, Sadami, to Fuji Photo Film Co., Ltd. Irradiation image erase unit for use with stimulable phosphor sheet. 4,852,975, 8-1-89, Cl. 250-327.200.

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Yamada, Sadami: *See—*

  Tajima, Kenji; Kushima, Hiroshi; and Yamada, Sadami, 4,860,042, Cl. 354-277.000.

Yamada, Sadao: *See—*

  Saito, Kazuharu; Hiraguri, Masao; Yamada, Sadao; and Shiozawa, Junichi, 4,887,345, Cl. 29-568.000.

Yamada, Sadayoshi: *See—*

  Kubota, Shoko; and Yamada, Sadayoshi, 4,848,603, Cl. 222-595.000.

Yamada, Satoshi: *See—*

  Endo, Takayoshi; and Yamada, Satoshi, 4,842,540, Cl. 439-271.000.

  Fujii, Setsuro; Kawamura, Hiroyuki; Kiyokawa, Hiroshi; and Yamada, Satoshi, 4,824,834, Cl. 514-246.000.

Yamada, Seiichi; Naitoh, Takashi; Namekawa, Takashi; Ikegami, Akira; Gotoo, Ryoo; and Nishiyama, Toshikazu, to Hitachi, Ltd. Magnetic head containing amorphous alloy and crystallizable glass. 4,816,949, 3-28-89, Cl. 360-120.000.

Yamada, Seiji; Kono, Katsuaki; and Terashima, Kiichi, to Ishida Scales Manufacturing Company, Ltd. Input-output method and device for combinational weighing system. 4,811,256, 3-7-89, Cl. 364-567.000.

Yamada, Seiji, to Ishida Scales Mfg. Co., Ltd. Combinatorial weighing system. 4,853,881, 8-1-89, Cl. 364-567.000.

Yamada, Setsuo: *See—*

  Suzuki, Togi; Ohwaki, Shinji; Yamada, Setsuo; Yamada, Hironori; Ogawa, Kimihiro; and Iohara, Kohichi, 4,851,504, Cl. 528-287.000.

Yamada, Shigeki: *See—*

  Endo, Kazuyuki; Taniguchi, Motoaki; Yamada, Shigeki; Takahashi, Masanobu; and Kato, Kenshiro, 4,811,773, Cl. 152-543.000.

  Sato, Yuichi; Tsunekawa, Tokuichi; Hiramatsu, Akira; Katsuma, Makoto; Yamada, Shigeki; and Kobayashi, Takeshi, 4,833,544, Cl. 358-287.000.

  Shigeta, Yukio; Harano, Yutaka; Yamada, Shigeki; and Takahaski, Yoshinori, 4,803,158, Cl. 435-25.000.

Yamada, Shigeru: *See—*

  Sorimachi, Kanehiro; Yamada, Shigeru; and Sakamoto, Yasurou, 4,867,570, Cl. 356-376.000.

Yamada, Shigeto: *See—*

  Ueno, Hideo; and Yamada, Shigeto, 4,823,288, Cl. 364-519.000.

  Uneo, Hideo; Hattori, Hiroshi; Yamada, Shigeto; and Yamada, Shigeto, 4,810,121, Cl. 400-697.100.

  Uneo, Hideo; Hattori, Hiroshi; Yamada, Shigeto; and Yamada, Shigeto, 4,810,121, Cl. 400-697.100.

Yamada, Shin-ichi; Goto, Takao; Mashiko, Toshihisa; Kogi, Kentaro; Oguchi, Yukiko; and Narita, Senichi, to Toa Eiyo, Ltd. 4,7-dihydroisothiazolo(5,4-b)pyridine derivatives and cardiovascular treating agents containing said derivatives. 4,874,760, 10-17-89, Cl. 514-234.200.

Yamada, Shinichi: *See—*

  Kabune, Hideki; Kamiya, Kohji; Miyake, Kiyoshi; Saito, Shigeru; Yamada, Shinichi; and Asami, Ken, 4,882,530, Cl. 318-696.000.

Yamada, Shinjiro, to Mitsui Kinzoku Kogyo Kabushiki Kaisha. Switching apparatus for vehicle locking device. 4,880,263, 11-14-89, Cl. 292-216.000.

Yamada, Shiro. Artificial hair for hair implantation and method of preparation. 4,834,119, 5-30-89, Cl. 132-201.000.

Yamada, Shiro. Matted (delustered) artificial hair. 4,880,428, 11-14-89, Cl. 623-15.000.

Yamada, Shitaka, to NEC Corporation. Programmable logic array using single transistor to generate true or complement signal. 4,853,562, 8-1-89, Cl. 307-465.000.

Yamada, Shoji, to Murata Kikai Kabushiki Kaisha. Traverse drum. 4,854,516, 8-8-89, Cl. 242-43.200.

Yamada, Shoji: *See—*

  Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.180.

Yamada, Shozo: *See—*

  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.

  Torii, Sigeru; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; Ohbayashi, Hisashi; Tanaka, Hideo; Tanaka, Motoaki; Yamada, Shozo; Nakai, Akira; and Ohbayashi, Hisashi, 4,861,768, Cl. 514-195.000.

Yamada, Shuhei, to Seiko Epson Corporation. Pyrimidine derivatives. 4,883,609, 11-28-89, Cl. 252-299.610.

Yamada, Shuhei: *See—*

  Shionozaki, Yoshio; Mukai, Hiroshi; Obikawa, Tsuyoshi; and Yamada, Shuhei, 4,879,060, Cl. 252-299.610.

Yamada, Shunichi: *See—*

  Kobori, Takuji; Kanayama, Hiroo; Sakamoto, Mitsuo; Yamada, Shunichi; and Kamagata, Shuichi, 4,799,339, Cl. 52-1.000.

Yamada, Sinichi: *See—*

  Nakacho, Yoshifumi; Tada, Yuji; and Yamada, Sinichi, 4,840,856, Cl. 429-192.000.

Yamada, Sotoshi: *See—*

  Bessho, Kazuo; and Yamada, Sotoshi, 4,855,703, Cl. 335-296.000.

  Bessho, Kazuo; and Yamada, Sotoshi, 4,857,874, Cl. 335-296.000.

Yamada, Sumito: *See—*

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Yamada, Susumu: *See—*

  Hirosawa, Makoto; and Yamada, Susumu, 4,807,020, Cl. 358-75.000.

Yamada, Suzuya: *See—*

  Mori, Yoshiharu; Yamada, Suzuya; Saito, Mitsuaki; Hagiwara, Hirotoshi; and Ehara, Kenichi, 4,878,866, Cl. 445-36.000.

Yamada, Tadashi: *See—*

  Kubo, Kazuhiko; Usui, Akira; Miyata, Minoru; Ikuhara, Hideyuki; Nagai, Hiroyuki; and Yamada, Tadashi, 4,817,195, Cl. 455-192.000.

  Uekama, Kaneto; Tahara, Yoshiyuki; Ijitsu, Takanori; and Yamada, Tadashi, 4,869,904, Cl. 424-400.000.

Yamada, Tadatoshi; Morita, Masao; Yamamoto, Shunji; Matsuda, Tetsuya; and Iwamoto, Masatami, to Mitsubishi Denki Kabushiki Kaisha. Uniform magnetic field coil. 4,816,962, 3-28-89, Cl. 361-141.000.

Yamada, Tadatoshi: *See—*

  Ikegami, Kazunori; Okuda, Souitirou; Yamada, Tadatoshi; Yamamoto, Shunji; and Matsuda, Tetsuya, 4,806,871, Cl. 328-235.000.

Yamada, Taiki: *See—*

  Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; and Tani, Noriaki, 4,804,590, Cl. 428-408.000.

  Nakamura, Kyuzo; Ota, Yoshifumi; Yamada, Taiki; Ishikawa, Michio; Tani, Noriaki; and Higuchi, Yasushi, 4,832,810, Cl. 204-192.150.

Yamada, Takafumi: *See—*

  Maeda, Kunio; Miyasaka, Hiroyasu; Kitazaki, Yasuaki; Yamada, Takafumi; Nakata, Terumi; and Sato, Hiroo, 4,814,227, Cl. 428-353.000.

Yamada, Takahiro; Yoshino, Eiji; and Matsuda, Yasumasa, to Hitachi, Ltd.; and Hitachi Seiko, Ltd. Ink-jet recording device. 4,849,909, 7-18-89, Cl. 364-519.000.

Yamada, Takahiro, to Aisin Seiki Kabushiki Kaisha. Broadcasting receiver for vehicles. 4,887,091, 12-12-89, Cl. 343-714.000.

Yamada, Takanobu; and Tabuchi, Kenji, to Minolta Camera Kabushiki Kaisha. Image forming apparatus having a plurality of developers and a detection and control arrangement for detecting the density of a formed image and a controller for controlling the density of the image. 4,866,481, 9-12-89, Cl. 355-246.000.

Yamada, Takao: *See—*

  Hoda, Hisashi; Sudo, Satomi; Amaya, Toshiyuki; Siratori, Kuniaki; and Yamada, Takao, 4,831,610, Cl. 369-48.000.

  Kato, Koichi; Yamada, Takao; and Kawahara, Kenji, 4,798,886, Cl. 530-416.000.

Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Optical disk substrate. 4,802,160, 1-31-89, Cl. 369-284.000.

Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Magneto-optical recording medium and method of making the same. 4,808,456, 2-28-89, Cl. 428-65.000.

Yamada, Takashi, to Olympus Optical Co., Ltd. Method and apparatus for effecting immunological analysis. 4,837,159, 6-6-89, Cl. 436-45.000.

Yamada, Takashi; Arimune, Hisao; and Maeda, Takashi, to Kyocera Corporation. Method for fabricating a magneto-optical recording element. 4,851,096, 7-25-89, Cl. 204-192.230.

Yamada, Takashi: *See—*

  Kawamoto, Mutumi; Yamada, Takashi; and Tatuta, Mitugu, 4,866,625, Cl. 364-426.020.

- Komatsu, Keisaku; Yamada, Takashi; and Ohwatari, Toshimi, 4,844,833, Cl. 252-174.130.
- Komatsu, Keisakua; Ohwatari, Toshimi; and Yamada, Takashi, 4,867,900, Cl. 252-174.230.
- Yamamoto, Ryoichi; Nomura, Masaaki; Yamada, Takashi; and Nahara, Akira, 4,837,118, Cl. 428-645.000.
- Yoshinari, Yuji. Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, 4,825,813, Cl. 122-6.00A.

Yamada, Takehide: *See*—
- Hiraga, Imao; Yamazaki, Satoshi; Yamada, Takehide; and Nishitani, Tadashi, 4,862,434, Cl. 368-190.000.

Yamada, Takehito: *See*—
- Sugaya, Toshihiro; Sakai, Yuji; and Yamada, Takehito, 4,851,933, Cl. 360-61.000.

Yamada, Takeo: *See*—
- Oguino, Masanori; Yamada, Takeo; and Kimoto, Toshiyuki, 4,814,671, Cl. 315-368.000.

Yamada, Takeshi, to Shinpo Kabushiki Kaisha. Smokeless roaster. 4,796,601, 1-10-89, Cl. 126-299.00R.

Yamada, Takeshi; Fujimoto, Hidetoshi; Ito, Kenzo; and Hanabusa, Kazunori, to Nippondenso Co., Ltd. Map display system. 4,812,980, 3-14-89, Cl. 364-449.000.

Yamada, Takeshi, to Sinpo Kabushiki Kaisha. Charcoal-fired smokeless roaster. 4,813,397, 3-21-89, Cl. 126-299.00R.

Yamada, Takeshi, to Shinpo Kabushiki Kaisha. Multipurpose smokeless roaster. 4,877,015, 10-31-89, Cl. 126-299.00R.

Yamada, Takeshi; Osato, Yasukuni; Watanabe, Okosu; Suzuki, Masao; Kawata, Osamu; and Ishihara, Koushi, to Fujikura Ltd.; and Nippon Telegraph & Telephone Public Corporation. Apparatus for fusion splicing optical fibers. 4,878,933, 11-7-89, Cl. 65-29.000.

Yamada, Takeshi: *See*—
- Tsuji, Katsuya; Yamada, Takeshi; and Uchihara, Hiroshi, 4,800,747, Cl. 73-19.000.

Yamada, Taketoshi: *See*—
- Takeuchi, Shin; Eto, Isamu; and Yamada, Taketoshi, 4,824,617, Cl. 26.4-26.000.

Yamada, Takuma: *See*—
- Kobayashi, Atsuo; Yamada, Takuma; and Akeo, Kiyoshi, 4,830,888, Cl. 427-430.100.

Yamada, Tessho: *See*—
- Kawanabe, Tomohiko; Asakura, Masahiko; Kushida, Noritaka; Hasebe, Hiroshi; and Yamada, Tessho, 4,808,269, Cl. 204-1.00T.

Yamada, Tetsu, to Otsuka Foods Co., Ltd. Process for the production of a low-cholesterol all-vegetable meat analog. 4,863,749, 9-5-89, Cl. 426-241.000.

Yamada, Tetsuhiro: *See*—
- Koyama, Tatsuya; Yamada, Tetsuhiro; Andou, Hirokazu; and Kamimura, Katsuya, 4,820,065, Cl. [illegible]0-124.000.

Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, to Takenaka Komuten Co., Ltd.; and Sinko Kogyo Co., Ltd. Air conditioning system. 4,796,439, 1-10-89, Cl. 62-159.000.

Yamada, Tetsuo, to Kabushiki Kaisha Toshiba. Solid-state line-addressed charge transfer device image sensor readout. 4,810,901, 3-7-89, Cl. 307-311.000.

Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, to Takenaka Komuten Co., Ltd.; and Sinko Kogyo Co., Ltd. Air conditioning system for buildings. 4,843,832, 7-4-89, Cl. 62-159.000.

Yamada, Tetsusyo; Hayakawa, Nobuhiro; and Yokota, Kazunori, to NGK Spark Plug Co., Ltd. Air-fuel ratio sensor. 4,836,906, 6-6-89, Cl. 204-410.000.

Yamada, Tetsusyo; and Ichikawa, Sadao, to NGK Spark Plug Co., Ltd.; and Mitsubishi Denki Kabushiki Kaisha. Air/fuel ratio detector. 4,839,018, 6-13-89, Cl. 204-425.000.

Yamada, Tetsusyo: *See*—
- Kojima, Takao; Ishiguro, Hiroyuki; Kawachi, Yoshiki; and Yamada, Tetsusyo, 4,806,739, Cl. 219-543.000.
- Kojima, Takao; and Yamada, Tetsusyo, 4,840,854, Cl. 428-698.000.

Yamada, Tetsuya: *See*—
- Inagaki, Sanji; Fukao, Hiroshi; Yamada, Tetsuya; Urano, Etsuaki; and Hattori, Yoshihiro, 4,812,873, Cl. 355-3.0FU.

Yamada, Tokushi: *See*—
- Tsukada, Keiichi; Demura, Hirotaka; and Yamada, Tokushi, 4,794,728, Cl. 47-64.000.

Yamada, Tomiharu; Shizuta, Atsushi; Shirata, Tomonori; and Kondo, Tetsuro, to Nissan Motor Co., Ltd. Arrangement of canister-used emission control system in motor vehicle. 4,805,581, 2-21-89, Cl. 123-519.000.

Yamada, Tomio: *See*—
- Ishimitsu, Keiichi; Imagawa, Hiroyuki; Yamada, Tomio; Matsuda, Michihiko; and Kitagawa, Yukio, 4,882,431, Cl. 540-603.000.

Yamada, Tomoaki; and Ishii, Yuwa, to Nikon Corporation. Maneto-optical recording apparatus with path length compensated dual photo-electric conversion. 4,853,923, 8-1-89, Cl. 369-120.000.

Yamada, Tomoyasu: *See*—
- Masumoto, Yutaka; Yamada, Tomoyasu; and Yokosawa, Seiichi, 4,864,436, Cl. 360-66.000.

Yamada, Tooru: *See*—
- Tokizane, Toshiaki; Hayashi, Hideo; Iseki, Takayuki; Morimoto, Ikuhisa; and Yamada, Tooru, 4,813,888, Cl. 429-583.000.

Yamada, Toru: *See*—
- Tamaki, Nobuo; Okuyama, Masayoshi; Ida, Yasushi; and Yamada, Toru, 4,835,716, Cl. 364-558.000.

Yamada, Toshihiko: *See*—
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; and Sanada, Yuji, 4,797,088, Cl. 431-15.000.
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,810,185, Cl. 431-150.000.
- Nakamura, Kazuharu; Mito, Yoshio; Nakanishi, Yutaka; Yamada, Toshihiko; Nakamura, Kenji; and Itoh, Kiyonobu, 4,872,829, Cl. 431-33.000.
- Nakanishi, Yutaka; Yamada, Toshihiko; and Gamou, Shigeo, 4,805,589, Cl. 126-96.000.
- Nakanishi, Yutaka; and Yamada, Toshihiko, 4,854,858, Cl. 431-320.000.

Yamada, Toshihiri: *See*—
- Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.

Yamada, Toshihiro; Takebayashi, Hiroyuki; Shimomura, Setsuhiro; and Nishimura, Yukinobu, to Mitsubishi Denki Kabushiki Kaisha. Fuel control device for internal-combustion engines. 4,817,573, 4-4-89, Cl. 123-494.000.

Yamada, Toshihiro; and Kohno, Akiomi, to Hitachi, Ltd. Method for bonding ceramics to each other or a ceramic to a metal. 4,871,107, 10-3-89, Cl. 228-121.000.

Yamada, Toshihiro: *See*—
- Ando, Masahiko; Hayakawa, Youichi; Nishida, Masaaki; and Yamada, Toshihiro, 4,864,892, Cl. 74-760.000.
- Kido, Yoshinobu; and Yamada, Toshihiro, 4,853,673, Cl. 340-439.000.
- Natori, Tatsuo; Shimaguchi, Takashi; Yamada, Toshihiro; and Yokoi, Kazuaki, 4,808,360, Cl. 264-221.000.
- Natori, Tatsuo; Hioki, Susumu; Shimaguchi, Takashi; Yamada, Toshihiro; Watanabe, Akihide; and Kanekatsu, Kensuke, 4,812,278, Cl. 264-221.000.
- Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,871,497, Cl. 264-86.000.
- Natori, Tatsuo; Shimaguchi, Takashi; Watanabe, Akihide; and Yamada, Toshihiro, 4,883,621, Cl. 264-86.000.
- Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.
- Yokoi, Kazuaki; Yamada, Toshihiro; and Kawamoto, Hiroyuki, 4,795,686, Cl. 429-104.000.

Yamada, Toshio; and Inoue, Michihiro, to Matsushita Electric Industrial Co., Ltd. Seimiconductor memory device having sub bit lines. 4,807,194, 2-21-89, Cl. 365-207.000.

Yamada, Toshio; and Oshima, Norio, to NGK Insulators, Ltd. Oxygen sensor having a heater. 4,834,863, 5-30-89, Cl. 204-429.000.

Yamada, Toshio; and Kageyama, Ken-ichi, to Nippon Zoki Pharmaceutical Co., Ltd. Novel adenosine derivatives and pharmaceutical composition containing them as an active ingredient. 4,843,06 6-27-89, Cl. 514-45.000.

Yamada, Toshio: *See*—
- Inoue, Michihiro; and Yamada, Toshio, 4,888,732, Cl. 365-51.000.
- Itoh, Hiroyuki; Yagyu, Masayoshi; Yamada, Toshio; [illegible] Masaru; Masaki, Akira; Usami, Mitsuo; Kobayashi, Tohru; and Hamamoto, Masato, 4,868,[illegible]0, Cl. 307-441.000.
- Sato, Takashi; Ozawa, Tsutomu; and Yamada, Toshio, 4,865,46 Cl. 148-403.000.
- Sato, Yuichi; Sato, Takashi; and Yamada, Toshio, 4,842,041, Cl. 164-463.000.
- Shingu, Hideo; Abe, Mitsunobu; Sato, Takashi; and Yamada, Toshio, 4,820,141, Cl. 419-8.000.

Yamada, Toshitaka: *See*—
- Imai, Masahito; Yamada, Toshitaka; Mizuno, Tiaki; and Shioya Hirohito, 4,829,822, Cl. 73-516.00R.

Yamada, Toshiyuki: *See*—
- Sukimoto, Minobu; Arima, Haruo; Yamada, Toshiyuki; and Taguchi, Seijiro, 4,809,743, Cl. 137-561.00A.
- Wakabayashi, Shuichi; Kawamoto, Tetsumi; Yamada, Toshiyuki; and Murayama, Yuko, 4,809,343, Cl. 382-27.000.

Yamada, Toyofumi: *See*—
- Nakamura, Joji; Kubo, Kazuhiro; Ichikawa, Shunji; Takahashi, Hajime; Isozumi, Keisuke; and Yamada, Toyofumi, 4,824,842, Cl. 514-227.500.
- Nishimura, Tatsumi; Eto, Eiichi; and Yamada, Toyofumi, 4,804,750, Cl. 536-20.000.

Yamada, Toyokazu; Miyama, Masao; Sugimura, Hideo; and Shinohara Takeshi, to Idemitsu Petrochemical Company Limited. Thermoforming resin laminate sheet. 4,842,951, 6-27-89, Cl. 428-516.000.

Yamada, Tsuguhiro: *See*—
- Takagi, Michitoshi; Asano, Takaaki; and Yamada, Tsuguhiro, 4,810,022, Cl. 296-180.500.

Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, to Sumitomo Metal Industries, Ltd. Apparatus of processing continuously cast slabs. 4,802,356, 2-7-89, Cl. 72-184.000.

Yamada, Tsuneo, to Trio Kabushiki Kaisha. Satellite receiver. 4,862,179, 8-29-89, Cl. 342-359.000.

Yamada, Tsuneo: *See*—
- Kato, Masao; Mitani, Yoichiro; and Yamada, Tsuneo, 4,865,468, Cl. 384-448.000.
- Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomita, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.

Yamada, Tsutomu, to NGK Insulators, Ltd. Method of dynamically balancing cylindrical rotors, and device for carrying out the method. 4,858,393, 8-22-89, Cl. 51-237.000.

Yamada, Tsutomu: *See*—
- Maeda, Takuya; Murakami, Keikichi; Yamada, Tsutomu; Kishimoto, Mitsuharu; Yajima, Kenichi; and Takemura, Yoshihiko, 4,886,246, Cl. 266-157.000.

Yamada, Tsuyoshi: *See*—
- Tada, Tetsuo; and Yamada, Tsuyoshi, 4,873,686, Cl. 371-22.400.

Yamada, Tuneo; and Shinoki, Yuta, to Kabushiki Kaisha Kenwood. Receiver system of image signal from weather satellite. 4,833,545, 5-23-89, Cl. 358-282.000.

Yamada, umito; Kawasaki, Hiroshi; and Satake, Masaki, to Fuji Photo Film Co., Ltd. Method for development of silver halide photographic materials utilizing reduced amounts of organic substances. 4,797,353, 1-10-89, Cl. 430-434.000.

Yamada, Wasaku: *See*—
- Kadokawa, Yuichi; Uchiyama, Hiroki; and Yamada, Wasaku, 4,870,685, Cl. 381-31.000.

Yamada, Wataru; Fujio, Satoshi; and Nakamura, Kenichi, to Casio Computer Co., Ltd. Apparatus with synthetic resin hand shaft. 4,858,210, 8-15-89, Cl. 368-238.000.

Yamada, Wazoh: *See*—
- Ikari, Yoshiki; Hori, Tadashi; Suzuki, Fujio; Tsunekawa, Shyozi; Yamada, Wazoh; and Maeda, Hideo, 4,869,075, Cl. 62-280.000.
- Tunekawa, Shouji; Yamada, Wazoh; Hara, Yoshitaka; and Suzuki, Fujio, 4,854,376, Cl. 165-54.000.

Yamada, Yasuaki, to Canon Kabushiki Kaisha. Print wheel and carriage drive system for a printer. 4,802,777, 2-7-89, Cl. 400-144.200.

Yamada, Yasuaki, to Canon Kabushiki Kaisha. Data input apparatus. 4,887,082, 12-12-89, Cl. 341-26.000.

Yamada, Yasuaki: *See*—
- Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,846,593, Cl. 400-157.300.
- Ueda, Hiroyuki; Yamada, Yasuaki; Ozawa, Toshiaki; Nakajima, Hiroharu; and Kondo, Hiroatsu, 4,880,325, Cl. 400-249.000.

Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Tsuchitani, Masatoshi; and Nakajima, Ryoichi, to Itaru Todorok, Director-General of Agency of Industrial Science and Technology; and Maruzen Petrochemical Co., Ltd. Process to prevent crack formation in the production of carbon fibers. 4,818,449, 4-4-89, Cl. 264-29.200.

Yamada, Yasuhiro; Ueno, Shoji; and Yoshida, Shiro, to Victor Company of Japan, Ltd. Rotary head type digital signal reproducing apparatus with different modes and tracking control. 4,839,755, 6-13-89, Cl. 371-38.000.

Yamada, Yasuhiro, to Hoya Corporation. Digital multiplying circuit. 4,866,654, 9-12-89, Cl. 364-754.000.

Yamada, Yasuhiro; Imamura, Takeshi; Honda, Hidemasa; Fujii, Masaki; and Minohata, Masanori, to Kao Oil Company, Limited; and Director General of Agency of Industrial Science and Technology. Graphite structures and method for production thereof. 4,873,071, 10-10-89, Cl. 423-448.000.

Yamada, Yasuhiro: *See*—
- Hamabe, Makoto; and Yamada, Yasuhiro, 4,809,093, Cl. 360-67.000.
- Inoue, Yasuo; and Yamada, Yasuhiro, 4,809,275, Cl. 371-37.000.
- Matsuoka, Mikiharu; Yamada, Yasuhiro; Miyazaki, Yasuko; Kanemoto, Takashi; Katayama, Hirohiko; and Ikuta, Tamao, 4,881,900, Cl. 434-113.000.
- Mori, Takaro; and Yamada, Yasuhiro, 4,837,641, Cl. 360-32.000.
- Ono, Tsuyoshi; Yamada, Yasuhiro; Hikawa, Kazuo; Hayami, Atsushi; Inoue, Yasuo; and Ono, Fumiaki, 4,811,128, Cl. 360-73.120.
- Ueno, Shoji; Yamada, Yasuhiro; and Inoue, Yasuo, 4,835,629, Cl. 360-53.000.
- Yamada, Kazuya; Nishikawa, Kazunori; Tanaka, Koji; and Yamada, Yasuhiro, 4,868,827, Cl. 371-37.500.

Yamada, Yasuo, to Yoshida Kogyo K. K. Hook element for surface fasteners. 4,811,468, 3-14-89, Cl. 24-442.000.

Yamada, Yasuo; Saito, Junichi; Tamura, Tatsuo; and Sakawa, Shinji, to Nihon Tokushu Noyaku Seizo K.K. Substituted benzylcycloalkenylurea derivatives. 4,857,556, 8-15-89, Cl. 514-585.000.

Yamada, Yasushi: *See*—
- Hirota, Fumiyuki; Miwa, Tadashi; and Yamada, Yasushi, 4,869,488, Cl. 271-3.100.

Yamada, Yasuyuki; and Miyatsuka, Hajime, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,798,755, 1-17-89, Cl. 428-141.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Incorporated. Electrophotographic receptors with charge generating azo-substituted tetraphenyl-thiophene or thiophene 1,1-dioxide. 4,808,503, 2-28-89, Cl. 430-75.000.

Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Incorporated. Electrophotographic photoreceptor 2-Phenyl-benzooxazole bisazo based. 4,808,507, 2-28-89, Cl. 430-73.000.

Yamada, Yasuyuki; Miyatsuka, Hajime; Okita, Tsutomu; and Tsuji, Nobuo, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,837,081, 6-6-89, Cl. 428-329.000.

Yamada, Yasuyuki; and Nakazawa, Isao, to Canon Kabushiki Kaisha. Changeable magnification optical system. 4,840,466, 6-20-89, Cl. 350-422.000.

Yamada, Yasuyuki: *See*—
- Hanai, Kazuko; Yamada, Yasuyuki; and Miyoshi, Takahito, 4,812,369, Cl. 428-425.900.
- Nakayama, Hiroki; Sato, Yasuhisa; Oizumi, Kouji; and Yamada, Yasuyuki, 4,830,474, Cl. 350-422.000.
- Nishizawa, Tsutomu; Yamada, Yasuyuki; Fujio, Junichi; and Hosonuma, Shin, 4,842,781, Cl. 264-1.300.
- Ryoke, Katsumi; Okutu, Toshimitu; Takahashi, Masatoshi; and Yamada, Yasuyuki, 4,868,060, Cl. 428-422.800.
- Sato, Yasuhisa; Yamada, Yasuyuki; and Nakayama, Hiroki, 4,815,830, Cl. 350-427.000.
- Sato, Yasuhisa; Kitagishi, Nozomu; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,842,395, Cl. 350-519.000.
- Sato, Yasuhisa; Yamada, Yasuyuki; Nakayama, Hiroki; and Oizumi, Kouji, 4,871,238, Cl. 350-422.000.
- Tsuboi, Takayuki; Nakazawa, Isao; Harunari, Yoshihiro; Sato, Yasuhisa; and Yamada, Yasuyuki, 4,862,202, Cl. 354-195.120.
- Yamaguchi, Nobutaka; Fujiyama, Masaaki; Suzuki, Masami; and Yamada, Yasuyuki, 4,840,842, Cl. 428-323.000.

Yamada, Yoji: *See*—
- Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.

Yamada, Yoko: *See*—
- Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.

Yamada, Yoshihiro; Shirai, Ryoichi; and Hayakawa, Youichi, to Aisin Aw Co., Ltd. Oil strainer for an automatic transmission. 4,889,621, 12-26-89, Cl. 210-168.000.

Yamada, Yoshihisa; and Matsuoka, Yuzo, to Tanabe Seiyaku Co., Ltd. 6-Halo-1,2,3,4-tetrahydroquinazoline-4-spiro-4-imidazolidine-2,2'5'-triones useful for the treatment and prophylaxis of diabetic complications. 4,855,298, 8-8-89, Cl. 514-259.000.

Yamada, Yoshiji: *See*—
- Machida, Isao; Sato, Yasunori; and Yamada, Yoshiji, 4,827,795, Cl. 74-579.00E.

Yamada, Yoshikado, to Sharp Kabushiki Kaisha. Image reading apparatus. 4,831,460, 5-16-89, Cl. 358-294.000.

Yamada, Yoshikazu: *See*—
- Ohta, Hironori; Kawaguchi, Toshiyasu; Mukaiyama, Takashi; Matsuzaki, Katsuhiko; Ebisawa, Junichi; Taneda, Naoki; Arai, Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, 4,838,914, Cl. 65-2.000.

Yamada, Yoshikiyo, to Nippon Electric Industry Co., Ltd. Program generator. 4,831,580, 5-16-89, Cl. 364-900.000.

Yamada, Yoshio; and Hashiyama, Mitsuaki, to Toyo Tire & Rubber Co., Ltd.; and Ricoh Co., Ltd. Cleaning blade for electrophotographic copying machines or the like. 4,823,161, 4-18-89, Cl. 355-15.000.

Yamada, Yoshio: *See*—
- Uchida, Tatsuro; and Yamada, Yoshio, 4,869,515, Cl. 277-207.00R.
- Udagawa, Tsunekazu; and Yamada, Yoshio, 4,803,965, Cl. 123-193.0CH.
- Udagawa, Tsunekazu; and Yamada, Yoshio, 4,809,653, Cl. 123-193.0CH.
- Udagawa, Tsunekazu; Hiramatsu, Yasuji; Nakasone, Hidetaka; and Yamada, Yoshio, 4,869,516, Cl. 277-234.000.

Yamada, Yoshiro: *See*—
- Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.
- Miyazaki, Takao; Yamada, Yoshiro; and Komine, Isamu 4,872,758, Cl. 356-381.000.
- Sano, Kazuo; Miyazaki, Takao; and Yamada, Yoshiro, 4,850,711, Cl. 356-382.000.

Yamada, Yoshitaka; and Iwamura, Masao, to Konica Corporation. Silver halide color photographic light-sensitive material. 4,804,619, 2-14-89, Cl. 430-505.000.

Yamada, Yoshitaka: *See*—
- Hamada, Fumio; Yamada, Yoshitaka; and Yamashita, Kiyotoshi, 4,833,069, Cl. 430-496.000.

Yamada, Yoshito: *See*—
- Yumoto, Hideaki; Yonemura, Masao; and Yamada, Yoshito, 4,888,978, Cl. 73-40.000.

Yamada, Youichi; and Takahashi, Keiko, to Oki Electric Industry Co., Ltd. Speech recognition system wherein the consonantal characteristics of input utterances are extracted. 4,856,067, 8-8-89, Cl. 381-45.000.

Yamada, Youichi; and Takahashi, Keiko, to Oki Electric Industry Co., Ltd. Speech recognition system which avoids ambiguity when matching frequency spectra by employing an additional verbal feature. 4,882,755, 11-21-89, Cl. 381-41.000.

Yamada, Yozo: *See*—
- Taniguchi, Toru; Yamada, Yozo; and Utsumi, Tatsuo, 4,834,549, Cl. 366-286.000.

Yamada, Yu, to Canon Kabushiki Kaisha. Finite distance zoom lens. 4,889,416, 12-26-89, Cl. 350-426.000.

Yamada, Yuichi: *See*—
- Yokota, Minoru; Nagata, Masayuki; Saito, Shigeo; and Yamada, Yuichi, 4,883,922, Cl. 174-125.100.

Yamada, Yuji, to Kabushiki Kaisha Kenwood. Distortion reduction circuit for a D/A converter. 4,808,998, 2-28-89, Cl. 341-118.000.

Yamada, Yuji: *See*—
- Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.

  - Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,866,069, Cl. 514-279.000.
  - Nagashima, Kanji; Yamada, Yuji; and Kusagaya, Toshihiro, 4,825,539, Cl. 29-848.000.
- Yamada Yuki Seizo Co., Ltd.: *See—*
  - Yamada, Kazumasa, 4,817,503, Cl. 92-98.00R.
- Yamada, Yukio: *See—*
  - Mishina, Haruo; Yamada, Yukio; Mukai, Noriaki; and Takahashi, Yushi, 4,809,443, Cl. 34-73.000.
  - Takahashi, Satomi; Yamada, Yukio; Ueda, Yasuyoshi; Katayama, Yasuhiro; Shimada, Yoshio; and Watanabe, Kiyoshi, 4,812,406, Cl. 435-280.000.
- Yamada, Yukiyoshi: *See—*
  - Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, 4,824,030, Cl. 241-39.000.
- Yamada, Yutaka; Kozawa, Tadashi; Natsume, Naohiro; and Komatsubara, Hirofumi, to Aisan Kogyo Kabushiki Kaisha; and Yamada, Yutaka. Centrifugal pump of vortex-flow type. 4,872.806, 10-10-89, Cl. 415-55.500.
- Yamada, Yutaka: *See—*
  - Doi, Takao; Yamada, Yutaka; and Kozawa, Shigeyuki, 4,868,252, Cl. 525-530.000.
  - Haruta, Kazumi; and Yamada, Yutaka, 4,836,172, Cl. 123-520.000.
  - Kanome, Yoshihiro; Noda, Fumiyoshi; Minami, Takashi; Sugiyama, Etsuo; and Yamada, Yutaka, 4,869,739, Cl. 55-269.000.
- Yamada, Yuzo; and Murakami, Makoto, to Takara Shuzo Co., Ltd. New restriction enzyme and process for producing the same. 4,833,082, 5-23-89, Cl. 435-199.000.
- Yamade, Kenichi; Nakashima, Sukeyoshi; Inaba, Shigemitsu; and Ohtaka, Kazuto, to Yazaki Corporation. Locking device for connector assembly. 4,878,853, 11-7-89, Cl. 439-144.000.
- Yamade, Yasushi: *See—*
  - Fujita, Masafumi; Yamade, Yasushi; and Saijo, Takao, 4,835,577, Cl. 355-68.000.
  - Fujita, Masafumi; Yamade, Yasushi; and Saijo, Takao, 4,885,605, Cl. 355-41.000.
- Yamafuji, Tetsuo: *See—*
  - Todo, Yozo; Yamafuji, Tetsuo; Nagumo, Katsuyuki; Kitayama, Isao; Nagaki, Hideyoshi; Miyajima, Mikako; Konishi, Yoshinori; Narita, Hirokazu; Takano, Shuntaro; and Saikawa, Isamu, 4,851,535, Cl. 546-25.000.
- Yamaga, Mitsuhiro: *See—*
  - Bekki, Yoshinori; Wada, Hiroyuki; Yamaga, Mitsuhiro; and Nakayashiki, Susumu, 4,847,611, Cl. 340-825.050.
- Yamagami, Nobuhiko, to Kabushiki Kaisha Toshiba. Graphic display apparatus having boundary detection target region designating circuit. 4,823,282, 4-18-89, Cl. 364-518.000.
- Yamagami, Tamotsu; and Sako, Yoichiro, to Sony Corporation. Method and apparatus for seeking target address with error check code. 4,800,549, 1-24-89, Cl. 369-56.000.
- Yamagami, Tamotsu: *See—*
  - Sako, Yoichiro; Yamamura, Shinichi; and Yamagami, Tamotsu, 4,819,236, Cl. 371-38.000.
  - Sako, Yoichiro; Yamagami, Tamotsu; and Yamamura, Shinichi, 4,829,497, Cl. 369-50.000.
- Yamagata, Kenji, to Pioneer Electronic Corporation. Drop-out correcting luminance-chrominance signal separation circuit. 4,843,457, 6-27-89, Cl. 358-31.000.
- Yamagata, Kouiichi: *See—*
  - Kojima, Kiyotsugu; and Yamagata, Kouiichi, 4,833,089, Cl. 435-313.000.
- Yamagata, Masakazu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Viewing optical system for use with endoscope. 4,874,220, 10-17-89, Cl. 350-96.260.
- Yamagata, Seiichi: *See—*
  - Kitamura, Hiroshi; and Yamagata, Seiichi, 4,798.748, Cl. 428-15.000.
- Yamagata, Shigeo; Ogura, Tokihiko; Takei, Masahiro; and Suzuki, Yasutomo, to Canon Kabushiki Kaisha. Reproducing apparatus with erasing device and erasing function based on frequency multiplexed and/or DPSK coded signal. 4,849,832, 7-18-89, Cl. 360-66.000.
- Yamagata, Shigeo; Takei, Masahiro; Takayama, Tadashi; and Ito, Kazuhiko, to Canon Kabushiki Kaisha. Drop-out correction apparatus. 4,872,066, 10-3-89, Cl. 358-336.000.
- Yamagata, Shimbu: *See—*
  - Sano, Koichi; Yamagata, Shimbu; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,870,362, Cl. 324-312.000.
- Yamagata, Shinji: *See—*
  - Hisatsune, Fumiyuki; Fujii, Hiroshi; Yamagata, Shinji; and Kobayashi, Yoshiaki, 4,806,226, Cl. 200-147.00B.
  - Hisatsune, Fumiyuki; and Yamagata, Shinji, 4,885,441, Cl. 200-144.00R.
- Yamagata, Tadato; Miyamoto, Hiroshi; Yamada, Michihiro; Mori, Shigeru; and Aono, Tetsuya, to Mitsubishi Denki Kabushiki Kaisha. Dynamic random access memory device with internal refresh. 4,870,620, 9-26-89, Cl. 365-222.000.
- Yamagata, Testuo; and Yamashita, Shoji, to Honda Giken Kogyo Kabushiki Kaisha. Constant speed running control device for automobile. 4,838,780, 6-13-89, Cl. 123-352.000.
- Yamagata, Tetsuo: *See—*
  - Kikuta, Junji; Kudo, Masayuki; Yamagata, Tetsuo; and Nakajima, Yoshiyuki, 4,848,502, Cl. 180-179.000.
  - Tanaka, Yoshiaki; Tanaka, Yashihiro; Kawakami, Toshikazu; and Yamagata, Tetsuo, 4,878,045, Cl. 340-556.000.
- Yamagata, Toshihiro; Harada, Hiroshi; and Yamazaki, Michio, to National Research Institute for Metals. Heat-resistant Ni-base single crystal alloy. 4,830,679, 5-16-89, Cl. 148-3.000.
- Yamagauchi, Masao: *See—*
  - Nakamura, Masaru; and Yamagauchi, Masao, 4,822,303, Cl. 439-607.000.
- Yamagisawa, Nobuo: *See—*
  - Kamiyama, Akira; Yamagisawa, Nobuo; and Oshima, Nobuyuki, 4,861,238, Cl. 417-363.000.
- Yamagishi, Atsuhiro: *See—*
  - Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, 4,841,300, Cl. 341-94.000.
- Yamagishi, Chitake: *See—*
  - Nishi, Yoshitsuga; Kawasaki, Kenji; Hayashi, Mutuo; and Yamagishi, Chitake, 4,818,511, Cl. 423-344.000.
- Yamagishi, Fujio: *See—*
  - Ito, Toshio; Miwa, Takashi; and Yamagishi, Fujio, 4,797,096, Cl. 433-26.000.
- Yamagishi, Fumio; Hasegawa, Shinya; Ikeda, Hiroyuki; and Inagaki, Takefumi, to Fujitsu Limited. Light beam scanning apparatus. 4,810,046, 3-7-89, Cl. 350-371.000.
- Yamagishi, Fumio: *See—*
  - Kato, Masayuki; Yamagishi, Fumio; Hasegawa, Shin-ya; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,824,191, Cl. 350-3.720.
  - Kato, Masayuki; Maeda, Satoshi; Yamagishi, Fumio; Ikeda, Hiroyuki; and Inagaki, Takefumi, 4,832,464, Cl. 350-3.720.
  - Yamazaki, Kozo; Ichikawa, Toshiyuki; Ikeda, Hiroyuki; Inagaki, Takefumi; Aritake, Hirokazu; and Yamagishi, Fumio, 4,848,862, Cl. 350-3.710.
- Yamagishi, Hideaki; and Nomiyama, Mayumi, to Yokogawa Electric Corporation. Semiconductor diffusion strain gage. 4,841,272, 6-20-89, Cl. 338-2.000.
- Yamagishi, Hidetaka, to NEC Corporation. Semiconductor device having Schottky barrier between metal silicide and silicon. 4,862,244, 8-29-89, Cl. 357-67.000.
- Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased (by Yamashita, Takemi, heir), to Nissan Motor Company, Limited and Ichikoh Industries, Ltd. Projector-type head lamp for vehicles. 4,879,636, 11-7-89, Cl. 362-61.000.
- Yamagishi, Hiroshi: *See—*
  - Inagaki, Takeo; Fukasawa, Akira; and Yamagishi, Hiroshi, 4,845,298, Cl. 564-490.000.
- Yamagishi, Jun; Nishikawa, Hiromitsu; and Yokoo, Toshio, to Nissan Motor Co., Ltd.; and Ohi Seisakusho Co., Ltd. Door control device. 4,848,031, 7-18-89, Cl. 49-280.000.
- Yamagishi, Kenichi; Horikawa, Kazuo; and Ishikawa, Hiromi, to Fuji Photo Film Co., Ltd. Semiconductor laser mount. 4,802,177, 1-31-89, Cl. 372-36.000.
- Yamagishi, Koji: *See—*
  - Fuse, Takahiro; and Yamagishi, Koji, 4,878,047, Cl. 340-784.000.
- Yamagishi, Mashiro; Minagawa, Takumi; and Yoshida, Hiroshi, to Toyo Boseki Kabushiki Kaisha. Cloth for protection against flames. 4,868,041, 9-19-89, Cl. 428-254.000.
- Yamagishi, Ryoji: *See—*
  - Kobayashi, Osamu; Hayashi, Hiroshi; and Yamagishi, Ryoji, 4,880,096, Cl. 194-206.000.
- Yamagishi, Takashi: *See—*
  - Kaite, Yoshikazu; and Yamagishi, Takashi, 4,874,414, Cl. 65-20.130.
  - Nishii, Junji; and Yamagishi, Takashi, 4,801,442, Cl. 423-510.000.
- Yamagishi, Toshimitsu: *See—*
  - Fukutaka, Norifumi; Kamata, Masatomo; Watanabe, Toru; Matsumoto, Koji; Haga, Tomoyuki; Yamagishi, Toshimitsu; and Yamada, Hiroji, 4,829,155, Cl. 219-222.000.
- Yamagishi, Toshio, to Sharp Kabushiki Kaisha. Timing control device for driving mechanism. 4,831,603, 5-16-89, Cl. 368-9.000.
- Yamagishi, Toshio: *See—*
  - Mitsuyama, Akira; Yamagishi, Toshio; and Deguchi, Masanobu, 4,796,063, Cl. 355-133.000.
  - Nishijima, Masaru; Yamagishi, Toshio; and Deguchi, Masanobu, 4,814,817, Cl. 355-3.00R.
- Yamagishi, Touru: *See—*
  - Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.
  - Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, 4,839,128, Cl. 264-328.100.
- Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, to Fujitsu Limited. Projection-type multi-color liquid crystal display device. 4,832,461, 5-23-89, Cl. 350-347.00E.
- Yamagishi, Yasuo: *See—*
  - Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.
- Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, to Eisai Co., Ltd. Diphenylmethane compounds useful in the treatment of diseases caused by aggregation of platelets or formation of thrombus. 4,886,834, 12-12-89, Cl. 514-521.000.

- Yamagishi, Youji: *See—*
  - Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.
- Yamagishi, Yutaka; and Takeda, Kenji, to Horiba Ltd. Infrared gas analyzer. 4,885,469, 12-5-89, Cl. 250-345.000
- Yamagiwa, Akira; and Okabe, Toshihiro, to Hitachi, Ltd. Multiphase clock distribution for VLSI chip. 4,812,684, 3-14-89, Cl. 307-480.000.
- Yamagiwa, Tokio; and Ishikawa, Toshio, to Hitachi, Ltd. Insulation testing device for gas insulated apparatus. 4,829,256, 5-9-89, Cl. 324-557.000.
- Yamagiwa, Tokio: *See—*
  - Ishikawa, Toshio; and Yamagiwa, Tokio, 4,818,825, Cl. 174-212.000.
- Yamaguchi, Akihide: *See—*
  - Honda, Minoru; Fukuta, Toshiaki; Yamaguchi, Akihide; and Ikuta, Kenzi, 4,799,470, Cl. 123-470.000.
- Yamaguchi, Akihiro: *See—*
  - Mita, Ryuichi; Oura, Takeshi; Higuchi, Chojiro; Katoh, Toshio; and Yamaguchi, Akihiro, 4,801,732, Cl. 560-40.000.
  - Morita, Moritsugu; Miyazaki, Kazuo; Yamaguchi, Akihiro; Ohta, Masahiro; Tamai, Shoji; and Nishihara, Kuaio, 4,839,232, Cl. 428-473.500.
  - Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,847,349, Cl. 528-125.000.
  - Ohta, Masahiro; Kawashima, Saburo; Sonobe, Yoshiho; Tamai, Shoji; Oikawa, Hideaki; and Yamaguchi, Akihiro, 4,883,718, Cl. 428-458.000.
  - Oikawa, Hideaki; Ohta, Masahiro; Kawashima, Saburo; Tamai, Shoji; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,797,466, Cl. 528-185.000.
  - Shiomura, Tetsunosuke; Sonobe, Yoshiho; and Yamaguchi, Akihiro, 4,865,795, Cl. 264-299.000.
  - Tamai, Shoji; Kawashima, Saburo; Ohta, Masahiro; Oikawa, Hideaki; Ohkoshi, Kouji; and Yamaguchi, Akihiro, 4,795,798, Cl. 528-185.000.
  - Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,503, Cl. 430-75.000
  - Yamada, Yasuyuki; Itoh, Hisato; Nishizawa, Tsutomu; and Yamaguchi, Akihiro, 4,808,507, Cl. 430-73.000.
  - Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,803,258, Cl. 528-211.000.
  - Yamaya, Norimasa; Koga, Nobuhito; Ohta, Masahiro; and Yamaguchi, Akihiro, 4,831,102, Cl. 528-170.000.
- Yamaguchi, Akio: *See—*
  - Izumida, Yukihiro; Shirai, Shoji; Komoro, Hidemasa; Majima, Kazuo; and Yamaguchi, Akio, 4,833,364, Cl. 313-414.000.
  - Mitsuhashi, Shigeru; Kondo, Hitoshi; Okazaki, Tetsuharu; Endoh, Shinji; Kudo, Hiroko; Yamaguchi, Akio; Tsuruta, Haruki; and Akutagawa, Susumu, 4,386,623, Cl. 252-299.650.
- Yamaguchi, Akira, to Fuji Photo Film Co., Ltd. Method of laminating plastic resin sheets. 4,798,639, 1-17-89, Cl. 156-73.100.
- Yamaguchi, Akira; and Kawaai, Toshimasa, to Kabushiki Kaisha Toshiba. R-2R type D/A converter circuit. 4,803,461, 2-7-89, Cl. 341-154.000.
- Yamaguchi, Akira, to Fuji Photo Film Co., Ltd. Apparatus for processing double face adhesive tape. 4,822,445, 4-18-89, Cl. 156-510.000.
- Yamaguchi, Akira, to Fuji Photo Film Co., Ltd. Method for manufacturing an analytical element. 4,854,998, 8-8-89, Cl. 156-248.000.
- Yamaguchi, Akira: *See—*
  - Ise, Yoji; and Yamaguchi, Akira, 4,848,392, Cl. 137-270.000.
  - Ise, Yoji; and Yamaguchi, Akira, 4,861,232, Cl. 417-76.000.
  - Ise, Yoji; and Yamaguchi, Akira, 4,865,521, Cl. 417-187.000.
  - Takasaki, Yoshimi; Yamaguchi, Akira; and Yoshimura, Ryoichi, 4,882,490, Cl. 250-236.000.
- Yamaguchi, Chikatoshi: *See—*
  - Kosaka, Norindo; and Yamaguchi, Chikatoshi, 4,841,364, Cl. 358-101.000.
- Yamaguchi Cinema Corporation: *See—*
  - Yamaguchi, Yoshihisa, 4,797,751, Cl. 358-335.000.
- Yamaguchi Electric Ind., Co., Ltd.: *See—*
  - Saito, Masayuki, 4,843,367, Cl. 340-463.000.
- Yamaguchi, Hidehiko; Minami, Kouich; and Kobayashi, Nobuo, to Tomy Kogyo Company, Inc. Illumination mechanism for a toy. 4,813,905, 3-21-89, Cl. 446-438.000.
- Yamaguchi, Hidehiko; Minami, Kouichi; and Kobayashi, Nobuo, to Tomy Kogyo Co., Inc. Doll toy. 4,878,873, 11-7-89, Cl. 446-321.000.
- Yamaguchi, Hidehiko: *See—*
  - Sato, Akihiro; and Yamaguchi, Hidehiko, 4,850,930, Cl. 446-175.000.
- Yamaguchi, Hideo; and Fujiki, Tsutomu, to Mazda Motor Corporation. Control apparatus for automobile air conditioning systems. 4,858,518, 8-22-89, Cl. 98-2.080.
- Yamaguchi, Hideya; Hayasaki, Hiroyuki; Kawakami, Masamichi; Houjiyou, Yuji; Hobo, Yoshihiro; Arimatsu, Youichirou; Tsuji, Yasunori; Hasegawa, Masaaki; and Katou, Seiji, to Sanyo Electric Co., Ltd. Printing apparatus and facsimile equipment. 4,882,630, 11-21-89, Cl. 358-451.000.
- Yamaguchi, Hiroaki: *See—*
  - Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.
- Yamaguchi, Hirohisa; Usami, Horoshi; Nagai, Tadao; and Mashimo, Akira, to TEAC Corporation. Rotary recording medium having a guide track and recording and reproducing apparatus therefor. 4,803,677, 2-7-89, Cl. 369-44.000.
- Yamaguchi, Hirohisa; and Sato, Kenichi, to TEAC Corporation. Disc inclination detecting apparatus. 4,805,164, 2-14-89, Cl. 369-58.000.
- Yamaguchi, Hirohisa; and Mashimo, Akira, to Teac Corporation. Method and apparatus for recording an information signal on a rotary recording medium. 4,841.504, 6-20-89, Cl. 369-32.000.
- Yamaguchi, Hirohisa, to TEAC Corporation. Disc attitude variation detecting apparatus. 4,849,954, 7-18-89, Cl. 369-50.000.
- Yamaguchi, Hirohisa: *See—*
  - Nagai, Tadao; Yamaguchi, Hirohisa; and Mashimo, Akira, 4,802,159, Cl. 369-275.000.
  - Nagai, Tadao; Yamaguchi, Hirohisa; and Mashimo, Akira, 4,864,423, Cl. 358-322.000.
  - Wada, Masahiro; Yamaguchi, Hirohisa; and Yamamoto, Hideo, 4,827,339, Cl. 358-136.000.
- Yamaguchi, Hiroichi: *See—*
  - Mitani, Akio; Kashima, Koji; and Yamaguchi, Hiroichi, 4,850.424, Cl. 165-10.000.
- Yamaguchi, Hiroshi; Hongo, Mikio; Miyauchi, Tateoki; Shimase, Akira; Haraichi, Satoshi; Takahashi, Takahiko; and Saito, Keiya, to Hitachi, Ltd. IC wiring connecting method and resulting article. 4,868,068, 9-19-89, Cl. 428-596.000.
- Yamaguchi, Hiroshi: *See—*
  - Hirotsu, Tetsuji; Nakamura, Kiyoshi; Kasai, Syoji; Yamaguchi, Hiroshi; and Kozu, Eiji, 4,799,161, Cl. 364-426.010.
- Yamaguchi, Hirotsugu: *See—*
  - Fukushima, Naoto; Yamaguchi, Hirotsugu; and Akatsu, Yohsuke, 4,801,155, Cl. 280-707.000.
- Yamaguchi, Hiroyuki; and Yokoyama, Naomi, to Kokusai Denki Kabushiki Kaisha. Synchronous receiving method for selective calling signal. 4,802,240, 1-31-89, Cl. 455-343.000.
- Yamaguchi, Hiroyuki: *See—*
  - Mizuno, Masahiko; Amano, Yasushi; Yasuda, Eiichi; Doi, Shunichi; Hayashi, Yasutaka; and Yamaguchi, Hiroyuki, 4,834,205, Cl. 180-141.000.
  - Moriya, Mitsuro; Kanamaru, Toshiji; Shiragami, Kazuharu; Yamaguchi, Hiroyuki; and Watanabe, Katsuya, 4,807,206, Cl. 369-32.000.
  - Sakoh, Kazushige; Arakawa, Hiroshi; Yamaguchi, Hiroyuki; Sekigawa, Tatsuaki; Takasugi, Toshiyasu; Umetsu, Shinjiro; and Tsutsumi, Takehiko, 4,796,024, Cl. 340-825.440.
  - Shiragami, Kazuharu; Moriya, Mirsuro; and Yamaguchi, Hiroyuki, 4,833,664, Cl. 369-44.000.
- Yamaguchi, Hisaaki: *See—*
  - Nisniyama, Yukinori; Fujioka, Hideaki; Yamaguchi, Hisaaki; Ikeda, Toshiki; and Miyoshi, Keisuke, 4,889,093, Cl. 123-400.000.
- Yamaguchi, Hisami: *See—*
  - Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,808,416, Cl. 424-497.000.
  - Ueda, Yoshio; Hata, Takehisa; Yamaguchi, Hisami; Ueda, Satoshi; and Kodani, Masateru, 4,871,549, Cl. 424-494.000.
- Yamaguchi, Hisao: *See—*
  - Tajima, Tomoyuki, 4,810,495, Cl. 424-95.000.
- Yamaguchi, Hisashi: *See—*
  - Mochizuki, Akihiro; Iwasaki, Masayuki; Yamagishi, Yasuo; Ikegami, Kasumi; Gondo, Hiroyuki; and Yamaguchi, Hisashi, 4,812,034, Cl. 383-122.000.
- Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, to Shin-Etsu Handotai Co., Ltd. Method for fire extinguishment of liquid chlorosilane compound. 4,830,762, 5-16-89, Cl. 252-2.000.
- Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; and Kobayashi, Minoru, to Shin-Etsu Handotai Co., Ltd. Absorbent of chlorosilane compound. 4,838,946, 6-13-89, Cl. 134-7.000.
- Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Shimizu, Masakatu; and Tanaka, Takashi, to Shin-Etsu Handotai Co., Ltd. Method for fire extinguishment of chlorosilanes. 4,879,050, 11-7-89, Cl. 252-2.000.
- Yamaguchi, Hitoshi, to Mabuchi Motor Co., Ltd. Miniature motor. 4,881,002, 11-14-89, Cl. 310-261.000.
- Yamaguchi, Isaburo, to Kitate Sangyo Co., Inc. Stitchless burning wick. 4,836,773, 6-6-89, Cl. 431-325.000.
- Yamaguchi, Isamu; and Hirosumi, Jiro, to Fujisawa Pharmaceutical Co., Ltd. Method for the treatment and prevention of arteriosclerosis with nitrophenyl substituted dihydropyridines. 4,859,688, 8-22-89, Cl. 514-344.000.
- Yamaguchi, Isamu: *See—*
  - Hoshino, Akira; Saji, Mikio; and Yamaguchi, Isamu, 4,880,852, Cl. 523-102.000.
- Yamaguchi, Isao; Nishiyama, Shinsuke; and Kubo, Masami, to Tanabe Seiyaku Co., Ltd. 2-oxo-imidazolidine derivatives as agents for treatment of kidney diseases. 4,804,672, 2-14-89, Cl. 514-392.000.
- Yamaguchi, Isao; Akimoto, Yoshiaki; and Nagao, Taku, to Tanabe Seiyaku Co., Ltd. Method of producing renal function-improving effect and diuretic effect on warm-blooded animal. 4,822,789, 4-18-89, Cl. 514-211.000.
- Yamaguchi, Isao: *See—*
  - Takamura, Norio; Oda, Kuniyuki; Kodato, Shinichi; Yamaguchi, Isao; and Yano, Koji, 4,853,404, Cl. 514-406.000.
- Yamaguchi, Jiro: *See—*
  - Ebihara, Satoru; and Yamaguchi, Jiro, 4,836,820, Cl. 446-289.000.
  - Oikawa, Shinji; and Yamaguchi, Jiro, 4,813,908, Cl. 446-298.000.

Yamaguchi, Joji: *See—*

Ota, Kazuomi; Nishimura, Hiroaki; Mokuya, Hirofumi; Kamiya, Kohji; Ishiguro, Yoshinori; Miyake, Kiyoshi; Sakurai, Hiroshi; Katsuna, Yuuji; and Yamaguchi, Joji, 4,847,591, Cl. 340-440.000.

Yamaguchi, Jun: *See—*

Mizutani, Shigemitsu; Yamaguchi, Jun; and Miyakama, Tadashi, 4,833,488, Cl. 346-76.0PH.

Yamaguchi, Kanemichi: *See—*

Gryouda, Toshio; Inaba, Shouichi; Watanabe, Michio; and Yamaguchi, Kanemichi, 4,885,897, Cl. 53-407.000.

Yamaguchi, Kaneo: *See—*

Matsushima, Kenichi; Tanaka, Fumihiro; Yamaguchi, Kaneo; Shimada, Yoshio; and Watanabe, Shinya, 4,821,115, Cl. 358-75.000.

Yamaguchi, Katsuhide: *See—*

Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.

Yamaguchi, Katsuhiro: *See—*

Tominaga, Kanji; Hijikata, Toshihiro; Yamaguchi, Katsuhiro; Matsumoto, Yoshimichi; and Watanabe, Yasuo, 4,802,883, Cl. 474-101.000.

Yamaguchi, Katsumasa: *See—*

Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.

Yamaguchi, Katsumi; Yokoi, Syouichiro; Kanai, Takao; and Yoshikawa, Kikuo, to Clarion Co., Ltd. Pinch roller driving mechanism. 4,797,758, 1-10-89, Cl. 360-85.000

Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kinoshita, Shigeo; Kanai, Takao; and Yokoi, Syouichiro, to Clarion Co., Ltd. Tape loading mechanism in magnetic recording and reproducing apparatus. 4,872,075, 10-3-89, Cl. 360-85.000.

Yamaguchi, Katsumi: *See—*

Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, 4,835,636, Cl. 360-96.500.

Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, 4,828,158, Cl. 226-182.000.

Yoshikawa, Kikuo; Kanai, Takao; Yamaguchi, Katsumi; and Yokoi, Syouichiro, 4,825,312, Cl. 360-96.500.

Yamaguchi, Katsuya; and Kitamura, Hideaki, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for generating image data used to record an image having gradation. 4,809,082, 2-28-89, Cl. 358-283.000.

Yamaguchi, Katuhide: *See—*

Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katuhide, 4,821,070, Cl. 355-14.00R.

Yamaguchi, Kazufumi; Murata, Takahiko; and Yamamoto, Yasunori, to Matsushita Electric Industrial Co., Ltd. Image sensor. 4,845,567, 7-4-89, Cl. 358-213.290.

Yamaguchi, Kazuo, to Hitachi, Ltd. Test pattern generator. 4,862,460, 8-29-89, Cl. 371-27.000.

Yamaguchi, Keiji, to Terumo Corporation. Sphygmomanometer adopting recognition of korotkoff sounds. 4,840,181, 6-20-89, Cl. 128-680.000.

Yamaguchi, Keiji, to Terumo Corporation. Blood pressure measurement apparatus. 4,867,171, 9-19-89, Cl. 128-680.000.

Yamaguchi, Keizaburo; Oikawa, Hideaki; Sugimoto, Kenichi; Ohta, Masahiro; and Yamaguchi, Akihiro, to Mitsui Toatsu Chemicals, Incorporated. Thermoplastic aromatic polyether-pyridine and process for preparing same. 4,803,258, 2-7-89, Cl. 528-211.000.

Yamaguchi, Keizo: *See—*

Takahashi, Nobuo; Takeda, Yuri; Takamatsu, Akira; Ito, Yasushi; and Yamaguchi, Keizo, 4,869,201, Cl. 118-308.000.

Yamaguchi, Ken; Kawano, Akio; Honma, Kenji; Sakuma, Tsutomu; and Ono, Keizi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 4,813,511, 3-21-89, Cl. 180-219.000.

Yamaguchi, Ken, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle with swing-arm front suspension. 4,821,833, [illegible]-89, Cl. 180-219.000.

Yamaguchi, Ken, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle body frame for motorcycle. 4,852,678, 8-1-89, Cl. 180-219.000.

Yamaguchi, Kiichi: *See—*

Ida, Yuichi; Yamaguchi, Kiichi; and Kato, Hironori, 4,849,586, Cl. 200-61.540.

Sasaki, Kunihiko; Yamaguchi, Kiichi; Oka, Tsumoru; Ohya, Takasi; Shinraku, Mituaki; Konno, Akihiro; and Ida, Yuichi, 4,824,396, Cl. 439-475.000.

Yamaguchi, Kiyoshi; Yamazaki, Seiichi; and Ichikawa, Koji, to Fuji Photo Film Co., Ltd. Slide magazine provided with memory means for slide film printing system. 4,817,023, 3-28-89, Cl. 364-525.000.

Yamaguchi, Kiyoshi; Endo, Azuchi; and Sakamoto, Kiichiro, to Fuji Photo Film Co., Ltd. CRT printing method and apparatus for making a print of an image with letters. 4,876,567, 10-24-89, Cl. 355-20.000.

Yamaguchi, Koji: *See—*

Inoue, Kazuo; Kubota, Osamu; Yano, Shunji; Tateishi, Fusao; Noda, Etsuo; Yamaguchi, Koji; and Endo, Tsuneo, 4,880,351, Cl. 415-164.000.

Yamaguchi, Koshiro: *See—*

Hattori, Shigenori; and Yamaguchi, Koshiro, 4,798,487, Cl. 400-223.000.

Okumura, Takashi; Yamaguchi, Koshiro; and Yuki, Yoshiaki, 4,836,696, Cl. 400-58.000.

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Takago, Toshio; Yamamoto, Yasushi; and Yamaguchi, Kouichi, 4,804,709, Cl. 525-102.000.

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Ishikawa, Yoshikazu; and Yamaguchi, Kouji, 4,799,467, Cl. 123-399.000.

Ishikawa, Yoshikazu; Yamaguchi, Kouji; and Sasajima, Kouji, 4,881,428, Cl. 74-859.000.

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Minagawa, Yukinori; Tanaka, Minoru; Yamaguchi, Kunihiko; Arai, Kazumasa; and Muramatsu, Gouichi, 4,865,823, Cl. 423-112.000.

Nishioka, Yasushiro; Shiba, Takeo; Shinriki, Hiroshi; Mukai, Kichiro; Uchida, Akihisa; Mitamura, Ichiro; Higeta, Keiichi; Ogiue, Katsumi; Yamaguchi, Kunihiko; and Sakuma, Noriyuki, 4,809,052, Cl. 357-45.000.

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Tsurukawa, Ikuya; Nishi, Kohichi; and Yamaguchi, Kunihisa, 4,831,399, Cl. 354-221.000.

Yamaguchi, Masahiko: *See—*

Shinomura, Yasushi; Yamaguchi, Masahiko; and Fukuzaki, Kochiro, 4,859,535, Cl. 428-398.000.

Yamaguchi, Masahiro: *See—*

Kawanishi, Hidenori; Yamaguchi, Masahiro; Hayashi, Hiroshi; Morimoto, Taiji; and Kaneiwa, Shinji, 4,879,725, Cl. 372-48.000.

Matsui, Sadayoshi; Kaneiwa, Shinji; Morimoto, Taiji; Yamaguchi, Masahiro; Taneya, Mototaka; and Matsumoto, Mitsuhiro, 4,853,936, Cl. 372-45.000.

Yamaguchi, Masami; Ishikawa, Shunichi; Tamura, Hideo; Tanaka, Hirokazu; Nakaya, Tomio; and Ishikawa, Kiyomitsu, to Stanley Electric Co., Ltd. Optical identification card system. 4,853,524, 8-1-89, Cl. 235-468.000.

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Okudaira, Shigenori; Irie, Takefumi; Uchida, Hiroshi; Fukasawa, Eiichi; Kobayashi, Kazuhiko; and Yamaguchi, Masanori, 4,877,445, Cl. 75-0.50B.

Yamaguchi, Masao: *See—*

Nagase, Noboru; Yamaguchi, Masao; and Noguchi, Noritake, 4,817,003, Cl. 364-463.000.

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Yamaguchi, Masayoshi: *See—*

Ito, Toshiaki; Yamaguchi, Masayoshi; and Meguro, Kazunori, 4,810,526, Cl. 427-50.000.

Yamaguchi, Masayuki, to NEC Corporation. Distributed feedback semiconductor laser. 4,796,273, 1-3-89, Cl. 372-96.000.

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Inayoshi, Kuniaki; Egawa, Yoshitsugu; Hirukawa, Yoshinori; and Yamaguchi, Masayuki, 4,869,915, Cl. 426-565.000.

Yamaguchi, Mayumi: *See—*

Maeda, Hirokazu; Yamaguchi, Mayumi; Uchiyama, Tetsuya; Shiba, Hideki; Matsunami, Hidenobu; Ebihara, Yoshitaka; and Kanegae, Junji, 4,882,192, Cl. 426-607.000.

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Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.

Yamaguchi, Midori: *See—*

Nomura, Noboru; Yamashita, Kazuhiro; Matsumura, Takayoshi; and Yamaguchi, Midori, 4,828,392, Cl. 356-401.000.

Yamaguchi, Mikiko: *See—*

Kuriyama, Akira; and Yamaguchi, Mikiko, 4,818,804, Cl. 526-211.000.

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Tsukahara, Yusuke; Masuda, Hitoshi; Yamaguchi, Mikio; and Tanabe, Masao, 4,827,516, Cl. 381-36.000.

Yamaguchi, Minori: *See—*

Shimizu, Isamu; and Yamaguchi, Minori, 4,839,240, Cl. 428-635.000.

Yamaguchi, Mitsuhiro, to Morito Co., Ltd. Cord fastener and method for manufacture thereof. 4,794,673, 1-3-89, Cl. 24-115.00G.

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Yamaguchi, Mitsuo: *See—*

Nishimura, Seiya; Yamaguchi, Mitsuo; and Iijima, Kenzaburou, 4,851,752, Cl. 318-602.000.

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Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.

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Hashimoto, Masaki; and Yamaguchi, Noboru, 4,846,490, Cl. 280-281.100.

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Ohmae, Tadayuki; Mashita, Kentaro; Yamaguchi, Noboru; Asao, Kouichiro; Tanaka, Hisao; and Sakurai, Tadashi, 4,831,095, Cl. 526-307.000.

Ohmae, Tadayuki; Sakurai, Tadashi; Yamaguchi, Noboru; Okada, Mitsuyuki; and Asao, Kouichiro, 4,859,710, Cl. 521-55.000.

Otsuka, Tatsuo; Iwai, Ichiro; and Yamaguchi, Noboru, 4,852,791, Cl. 228-183.000.

Yamaguchi, Nobuo: *See—*

Enoki, Shigenaga; Yoshio, Kazuya; and Yamaguchi, Nobuo, 4,809,801, Cl. 180-228.000.

Hara, Naoki; and Yamaguchi, Nobuo, 4,815,554, Cl. 180-219.000.

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Hashimoto, Hiroshi; and Yamaguchi, Nobuyuki, 4,813,629, Cl. 242-217.000.

Nanbu, Kazuya; Yamaguchi, Nobuyuki; and Masubuchi, Kaoru, 4,798,354, Cl. 242-84.10R.

Yamaguchi, Noritake: *See—*

Yonezawa, Toshio; Yamaguchi, Noritake; and Okada, Yasutaka, 4,798,632, Cl. 148-12.70N.

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Okada, Tsunekazu; and Yamaguchi, Nozomu, 4,843,610, Cl. 372-31.000.

Yamaguchi, Rikizou: *See—*

Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.

Yamaguchi, Ryoichi: *See—*

Okumura, Masahide; Matsuzaka, Takashi; Matsuoka, Genya; Iwadate, Kazumi; Matsuda, Tadahito; and Yamaguchi, Ryoichi, 4,808,829, Cl. 250-491.100.

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Odawara, Kazuharu; Yamaguchi, Ryoji; and Inage, Nobuo, 4,827,468, Cl. 369-271.000.

Yamaguchi, Sachio: *See—*

Sugimura, You; Numa, Nobushige; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; and Yamaguchi, Sachio, 4,812,337, Cl. 427-407.100.

Sugimura, You; Watanabe, Tadashi; Sugiyama, Yutaka; Ohira, Kazuhiko; Numa, Nobushige; Yamaguchi, Sachio; and Kasari, Akira, 4,871,591, Cl. 427-388.500.

Yamaguchi, Seiji, to Matsushita Electric Industrial Co., Ltd. Priority encoder. 4,887,084, 12-12-89, Cl. 341-160.000.

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Fukuyasu, Shigeki; Nakamura, Makoto; Kawachi, Kyozo; Yamaguchi, Seiji; Kinoshita, Sakan; and Numata, Tadashi, 4,870,022, Cl. 435-302.000.

Katsura, Joji; Yamaguchi, Seiji; Tsuji, Kazuhiko; and Ichinohe, Eisuke, 4,820,974, Cl. 324-73.00R.

Yamaguchi, Shigeaki: *See—*

Takase, Shigeto; Yamaguchi, Shigeaki; and Ushioda, Kentaro, 4,864,198, Cl. 318-254.000.

Ushioda, Kentaro; and Yamaguchi, Shigeaki, 4,807,790, Cl. 226-2.000.

Yamaguchi, Shigeki; Ohiwa, Norio; and Ishiguro, Katsusuke, to Paloma Kogyo Kabushiki Kaisha. Pulse combustion device. 4,881,373, 11-21-89, Cl. 60-732.000.

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Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; Ohnishi, Hiroshi; and Yamaguchi, Shigeru, 4,830,508, Cl. 366-152.000.

Higuchi, Noboru; Matsui, Keizo; Kobayashi, Chuzo; and Yamaguchi, Shigeru, 4,872,763, Cl. 366-160.000.

Yamaguchi, Shinichiro: *See—*

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,811,269, Cl. 364-754.000

Hirose, Kenji; Bandoh, Tadaaki; Matsumoto, Hidekazu; Yamaguchi, Shinichiro; Hirayama, Hirokazu; and Nakanishi, Hiroaki, 4,839,846, Cl. 364-748.000.

Nishikawa, Atsuhiko; Miyazaki, Yoshihiro; Tanji, Masayuki; Takaya, Soichi; and Yamaguchi, Shinichiro, 4,841,439, Cl. 364-200.000.

Yamaguchi, Shinji: *See—*

Koyama, Motoyasu; Teraoka, Hidetoshi; Akagi, Takao; Yamaguchi, Shinji; Sakamoto, Itsuki; Namba, Akira; and Okagaki, Isao, 4,803,332, Cl. 219-121.520.

Yamaguchi, Shizuka: *See—*

Yanagawa, Hisaharu; Ochiai, Toshihiro; Miyazawa, Hidehisa; Yamaguchi, Shizuka; Fumeno, Tsuyoshi; Raijo, Hiroshi; and Ohmizu, Seiji, 4,886,335, Cl. 350-96.200.

Yamaguchi, Shogo; Araki, Kazunori; Tazuke, Hisashi; Murasaki, Masayuki; and Ito, Hirofumi, to Mitsubishi Jukogyo Kabushiki Kaisha. Method and apparatus for filling liquid into containers. 4,856,563, 8-15-89, Cl. 141-1.000.

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Yamaguchi, Shogo: *See—*

Araki, Kazunori; Hayashi, Masayuki; Yamaguchi, Shogo; and Hanada, Munehiro, 4,807,421, Cl. 53-167.000.

Tazuke, Hisashi; Araki, Kazunori; Yamaguchi, Shogo; Nakamura, Sueshige; and Abe, Sadahiro, 4,807,673, Cl. 141-57.000.

Yamaguchi, Shuichiro; Ushizawa, Norihiko; and Shimomura, Takeshi, to Terumo Kabushiki Kaisha. Ion sensor. 4,798,664, 1-17-89, Cl. 204-418.000.

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Oyama, Noboru; Shimomura, Takeshi; and Yamaguchi, Shuichiro, 4,816,118, Cl. 204-418.000.

Yamaguchi, Shuichiroh; Idaka, Yukio; Matsumoto, Takeshi; and Irie, Tatsuhiko, to Matsushita Electric Works, Ltd. Light receiving element. 4,805,006, 2-14-89, Cl. 357-30.000.

Yamaguchi, Shuichiroh: *See—*

Idaka, Yukio; Yamaguchi, Shuichiroh; and Matsumoto, Takeshi, 4,801,822, Cl. 307-311.000.

Yamaguchi, Shumpei: *See—*

Konno, Yutaka; Mitomi, Mitsuo; Sonobe, Takashi; and Yamaguchi, Shumpei, 4,842,577, Cl. 604-20.000.

Yamaguchi, Susumu, to Matsushita Electric Industrial Co., Ltd. Interleave sequence method. 4,852,102, 7-25-89, Cl. 371-40.000.

Yamaguchi, Susumu: *See—*

Ichida, Kozaburo; Yamaguchi, Susumu; and Chikazawa, Bunichiro, 4,882,923, Cl. 72-249.000.

Kawasaki, Yoshiki; Hioki, Yoshihiro; Ohno, Yuichi; Ichida, Kozaburo; Yamaguchi, Susumu; Sudo, Michitaka; and Chikazawa, Bunichiro, 4,872,245, Cl. 29-81.00A.

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Tsuji, Kentaro; Fujiwara, Tsuneo; Maeda, Shigemi; Yamaguchi, Taeshi; Deguchi, Toshihisa; and Kobayashi, Shozou, 4,868,922, Cl. 360-51.000.

Yamaguchi, Taizo: *See—*

Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.

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Yamaguchi, Takahiro: *See—*

Kariya, Kenichi; Noda, Masayuki; Yamaguchi, Takahiro; and Takahashi, Katsuji, 4,883,708, Cl. 428-263.000.

Yamaguchi, Takamasa: *See—*

Nogami, Ikuo; Yamaguchi, Takamasa; Oka, Masahide; and Shirafuji, Hideo, 4,877,735, Cl. 435-138.000.

- Shirafuji, Hideo; Yamaguchi, Takamasa; and Nogami, Ikuo, 4,876,195, Cl. 435-137.000.
- Yamaguchi, Takao: *See—*
  - Kaga, Koichi; Hosoi, Akio; and Yamaguchi, Takao, 4,872,364, Cl. 74-484.00H.
- Yamaguchi, Takashi; and Kobayashi, Yasuo, to NEC Corporation. Differential amplifier circuit. 4,825,110, 4-25-89, Cl. 307-530.000.
- Yamaguchi, Takashi; Inoue, Takeshi; and Saito, Masashi, to Mitsubishi Mining and Cement Co., Ltd. Ceramic composition of high dielectric constant comprising PbO, La_2O_3, MO, ZrO_2 and TiO_2. 4,843,046, 6-27-89, Cl. 501-136.000.
- Yamaguchi, Takashi, to NEC Corporation. Write driver circuit of semiconductor memory device. 4,853,896, 8-1-89, Cl. 365-189.020.
- Yamaguchi, Takashi, to Kabushiki Kaisha Sebun Shiizu. Integrated article bearing indicia and manufacturing processes therefor. 4,854,064, 8-8-89, Cl. 40-630.000.
- Yamaguchi, Takashi: *See—*
  - Nishi, Naomi; Kami, Shigetake; and Yamaguchi, Takashi, 4,847,048, Cl. 420-547.000.
  - Shibasaki, Masakatsu; Takahashi, Atsuo; Aoki, Tuyoshi; Kogi, Kentaro; Nishimiya, Yozo; Nara, Takeshi; and Yamaguchi, Takashi, 4,837,342, Cl. 549-422.000.
  - Yasuda, Hiroshi; Furuya, Sadao; Hoshihara, Naoto; Yamaguchi, Takashi; Takahashi, Katsuhiro; and Ishii, Teruaki, 4,805,277, Cl. 29-2.000.
- Yamaguchi, Takenobu: *See—*
  - Konno, Akira; Taguchi, Tetsuya; and Yamaguchi, Takenobu, 4,888,193, Cl. 426-549.000.
- Yamaguchi, Takeshi: *See—*
  - Tsuji, Kentaroh; Maeda, Shigemi; Yamaguchi, Takeshi; Deguchi, Toshihisa; Sakamoto, Noriaki; and Terashima, Shigeo, 4,862,443, Cl. 369-59.000.
- Yamaguchi, Takuji: *See—*
  - Kurono, Masayasu; Kondo, Yasuaki; Yamaguchi, Takuji; Miura, Kenji; Usui, Toshinao; Terada, Naofumi; Asano, Kyoichi; Mizuno, Kuniharu; Matsubara, Akira; Kato, Noriaki; Sawai, Kiichi; Unno, Ryoichi; Ozawa, Hiroshi; and Fukushima, Masato, 4,861,792, Cl. 514-389.000.
- Yamaguchi, Takuma. Means of connecting a pusher boat and a barge. 4,805,548, 2-21-89, Cl. 114-248.000.
- Yamaguchi, Tatsuo: *See—*
  - Murai, Yoshikazu; Yamaguchi, Tatsuo; and Mochizuki, Kanji, 4,889,649, Cl. 252-73.000.
- Yamaguchi, Tatsuya: *See—*
  - Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.
  - Shimizu, Yoshihito; and Yamaguchi, Tatsuya, 4,841,949, Cl. 128-4.000.
  - Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
- Yamaguchi, Terumoto: *See—*
  - Shinto, Hiroaki; Nakamura, Syuji; Yamaguchi, Terumoto; and Oguri, Tomiji, 4,829,848, Cl. 74-552.000.
- Yamaguchi, Tetsuhiko: *See—*
  - Kitao, Teijiro; Yamaguchi, Tetsuhiko; Murofushi, Katsumi; Futagami, Masato; Nagato, Nobuyuki; and Imamura, Kunio, 4,833,256, Cl. 549-227.000.
- Yamaguchi, Tetsuo; and Kurahashi, Koichiro, to Sumitoto Rubber Industries, Ltd. Golf club head. 4,809,978, 3-7-89, Cl. 273-78.000.
- Yamaguchi, Tetsuo; Saitou, Setsuo; and Mukushi, Toshimi, to Hitachi, Ltd. Apparatus and process for producing gel beads of microbial cells or enzymes. 4,828,997, 5-9-89, Cl. 435-178.000.
- Yamaguchi, Tetsuo: *See—*
  - Kurimoto, Isao; Yamamoto, Hiroki; and Yamaguchi, Tetsuo, 4,885,322, Cl. 524-82.000.
  - Tominaga, Haruo; Takayama, Teruyuki; Miyauchi, Kenichi; and Yamaguchi, Tetsuo, 4,844,147, Cl. 164-450.000.
- Yamaguchi, Tetsuro: *See—*
  - Hoshi, Norio; Yamaguchi, Tetsuro; Okada, Yasuhiro; and Matsukawa, Takao, 4,881,614, Cl. 180-225.000.
- Yamaguchi, Tomohiko: *See—*
  - Shinbo, Toshio; Nishimura, Koichiro; Yamaguchi, Tomohiko; and Sugiura, Masaaki, 4,842,935, Cl. 428-404.000.
- Yamaguchi, Toru: *See—*
  - Akiyama, Hiroyuki; Izawa, Susumu; Kuwabara, Hideki; and Yamaguchi, Toru, 4,889,671, Cl. 264-53.000.
- Yamaguchi, Toshiaki: *See—*
  - Kubota, Misao; Sugai, Osamu; Goto, Tetsuo; Shimada, Kenji; Yamaguchi, Toshiaki; and Koizumi, Kikuo, 4,830,747, Cl. 210-203.000.
- Yamaguchi, Toshiharu: *See—*
  - Sato, Masahiko; Konuma, Toshimitsu; Odaka, Seiichi; Yamaguchi, Toshiharu; Watanabe, Toshio; Aoyagi, Osamu; Tabata, Kaoru; Isigaki, Chizuru; Sakayori, Hiroyuki; Kobayashi, Ippei; Osabe, Akio; and Yamazaki, Shunpei, 4,874,461, Cl. 156-633.000.
  - Yamazaki, Shunpei; Inujima, Takashi; Mase, Akira; Konuma, Toshimitsu; Sakama, Mitsunori; Hamatani, Toshiji; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,799,776, Cl. 350-350.00S.
  - Yamazaki, Shunpei; Inujima, Takashi; Konuma, Toshimitsu; Hamatani, Toshiji; Mase, Akira; Sakama, Mitsunori; Miyazaki, Minoru; Koyanagi, Kaoru; and Yamaguchi, Toshiharu, 4,861,143, Cl. 350-350.00S.
- Yamaguchi, Toshiki: *See—*
  - Kitano, Seiichi; and Yamaguchi, Toshiki, 4,852,711, Cl. 192-107.00C.
- Yamaguchi, Toshio, to Nissan Motor Co., Ltd. Automatic transmission having coaxially overlapped clutches. 4,881,628, 11-21-89, Cl. 192-85.0AA.
- Yamaguchi, Toshio: *See—*
  - Iwanaga, Kazuyoshi; and Yamaguchi, Toshio, 4,836,052, Cl. 74-759.000.
  - Nakajima, Nobuyuki; Inomata, Kenichi; Moruta, Masaya; Yamaguchi, Toshio; and Eitai, Kazuo, 4,815,945, Cl. 417-295.000.
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- Yamaguchi, Tosiyuki: *See—*
  - Higuchi, Tooru; Yamaguchi, Tosiyuki; and Kanou, Takeshi, 4,835,598, Cl. 357-72.000.
- Yamaguchi, Tsutomu: *See—*
  - Katsuta, Masanori; and Yamaguchi, Tsutomu, 4,856,407, Cl. 84-439.000.
- Yamaguchi, Tsuyoshi: *See—*
  - Makino, Toshiyuki; and Yamaguchi, Tsuyoshi, 4,798,920, Cl. 178-19.000.
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  - Kiyomiya, Yutaka; Yamaguchi, Yasumasa; Ushigome, Masahiro; and Murata, Hiroshi, 4,883,877, Cl. 558-327.000.
  - Yoshiro, Ashina; Yamaguchi, Yasumasa; Nishida, Masashi; and Doi, Toshiaki, 4,844,809, Cl. 210-636.000.
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  - Mizoguchi, Akira; Shioya, Jun; Yamaguchi, Yoichi; Ueba, Yoshinobu; and Matsubara, Hironaga, 4,795,656, Cl. 427-38.000.
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- Yamaguchi, Yoshiro: *See—*
  - Matsuzaki, Akira; Ejiri, Yoshihiro; Nakai, Taiichiro; and Yamaguchi, Yoshiro, 4,805,547, Cl. 114-221.00A.

- Yamaguchi, Yoshito: *See—*
  - Shimizu, Hiroshi; and Yamaguchi, Yoshito, 4,876,676, Cl. 368-63.000.
- Yamaguchi, Youichi: *See—*
  - Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Asahiro; Saitoh, Yuichi; and Yamaguchi, Youichi, 4,826,911, Cl. 524-526.000.
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  - Suzuki, Koichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,845,622, Cl. 364-426.040.
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  - Suzaki, Hideyuki; and Yamaguchi, Yukio, 4,835,519, Cl. 340-538.000.
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  - Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hiraoka, Fumio; and Nakamura, Ikuro, 4,800,155, Cl. 435-7.000.
- Yamaguchi, Yuuichi: *See—*
  - Suzuki, Kouichi; Konishi, Kiyoshi; Iwaoka, Toshio; Yamaguchi, Yuuichi; Hori, Eisaku; and Sekiguchi, Satoru, 4,835,696, Cl. 364-426.040.
- Yamaguchi, Yuzo: *See—*
  - Onodera, Shuji; Sato, Taichi; Tanaka, Kihachiro; Saitoh, Yokuo; Daito, Hiroshi; Yamada, Yoko; Yamaguchi, Yuzo; Takeuchi, Yoshinori; Hara, Shigeo; and Setone, Shouichi, 4,884,154, Cl. 360-104.000.
  - Suzuki, Shoji; Kazama, Toshinori; Daitou, Hiroshi; Takeuchi, Yoshinori; and Yamaguchi, Yuzo, 4,814,906, Cl. 360-75.000.
- Yamagushi, Masashi: *See—*
  - Otomo, Kikuo; Yamagushi, Masashi; Ito, Masami; and Tokunaga, Hiroki, 4,798,913, Cl. 570-211.000.
- Yamaha Corporation: *See—*
  - Abe, Yasunao, 4,813,327, Cl. 84-1.030.
  - Abe, Yasunao, 4,839,810, Cl. 364-419.000.
  - Abe, Yasunao, 4,889,026, Cl. 84-611.000.
  - Adachi, Takeshi; and Masaki, Kazuo, 4,840,100, Cl. 84-1.190.
  - Aoshima, Shinzi; and Narusawa, Sadayuki, 4,815,063, Cl. 369-50.000.
  - Baba, Mitsuru, 4,801,829, Cl. 310-10.000.
  - Enomoto, Koichi; and Nakanishi, Tatsuo, 4,803,023, Cl. 264-45.400.
  - Fujimura, Masaki; and Tadokoro, Toyohiko, 4,848,747, Cl. 273-77.00A.
  - Fujishima, Masakazu, 4,835,758, Cl. 369-58.000.
  - Fujita, Kao, 4,809,577, Cl. 84-1.010.
  - Fujita, Shinichi, 4,841,573, Cl. 381-27.000.
  - Hideo, Suzuki, 4,843,938, Cl. 84-1.190.
  - Hirano, Hiroshi; and Okamura, Kazuhisa, 4,813,326, Cl. 84-1.010.
  - Horiai, Naoshi; and Tokushima, Tadao, 4,803,129, Cl. 428-694.000.
  - Hotta, Tadahiko; and Hanagasaki, Osamu, 4,870,033, Cl. 437-192.000.
  - Ichiki, Tetsuji, 4,882,963, Cl. 84-1.010.
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Suzuki, Makoto; and Uchiyama, Atsushi, 4,847,879, Cl. 377-43.000.
  - Iijima, Kenzaburou; and Hayashi, Yoshinori, 4,879,674, Cl. 364-724.030.
  - Ito, Kenji; and Kurokawa, Ikuji, 4,805,513, Cl. 84-402.000.
  - Iwamatsu, Masayuki, 4,856,064, Cl. 381-1.000.
  - Kakizaki, Tadasu, 4,881,440, Cl. 84-609.000.
  - Kamiya, Shingo, 4,858,216, Cl. 369-46.000.
  - Kasahara, Yoshiki, 4,878,055, Cl. 341-23.000.
  - Katada, Naota; and Terada, Kosei, 4,829,869, Cl. 84-1.190.
  - Kawabata, Tomoyuki, 4,862,078, Cl. 324-212.000.
  - Kawai, Hiroyuki; Shibukawa, Takeo; and Mandai, Fujiyo, 4,869,701, Cl. 446-91.000.
  - Kawai, Takayuki, 4,848,207, Cl. 84-403.000.
  - Kimpara, Mamoru, 4,862,784, Cl. 84-622.000.
  - Kimura, Shigenobu, 4,818,996, Cl. 341-144.000.
  - Kino, Masayoshi, 4,864,908, Cl. 84-638.000.
  - Kunimoto, Toshifumi, 4,831,576, Cl. 364-754.000.
  - Kurosaki, Makoto, 4,873,910, Cl. 84-422.100.
  - Minakuchi, Kiyoshi, 4,827,824, Cl. 84-1.160.
  - Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, 4,796,509, Cl. 84-454.000.
  - Mizuguchi, Masaaki; and Kuroyanagi, Hirohisa, 4,801,771, Cl. 200-86.00R.
  - Murakami, Kazuo; and Matsushima, Yukiyoshi, 4,843,936, Cl. 84-107.000.
  - Murakami, Kazuo; Kaneko, Yasutoshi; and Tamaki, Takasi, 4,873,905, Cl. 84-20.000.
  - Muramatsu, Toshihiro; Iijima, Kenzaburou; and Hayashi, Yoshinori, 4,855,740, Cl. 341-23.000.
  - Muroi, Kunimasa; Inagaki, Yoshinari; and [illegible]wano, Tetsuyuki, 4,858,928, Cl. 273-73.00D.
  - Nagamoto, Itsushi, 4,795,159, Cl. 273-171.000.
  - Nagamoto, Itsushi; Nakanishi, Tatsuo; and Tajima, Ryohei, 4,824,116, Cl. 273-171.000.
  - Nagamoto, Itsushi; Nakanishi, Tatsuo; and Yamashita, Tomoharu, 4,883,623, Cl. 264-108.000.
  - Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,798,383, Cl. 273-167.00H.
  - Nagasaki, Yoichi; Nagamoto, Itsushi; Tadokoro, Toyohiko; and Fujimura, Masaki, 4,884,812, Cl. 273-167.00H.
  - Niimi, Koji; Kakubo, Yuji, and Ikegaya, Yuji, 4,803,731, Cl. 381-63.000.
  - Nishimura, Seiya; Yamaguchi, Mitsuo; and Iijima, Kenzaburou, 4,851,752, Cl. 318-602.000.
  - Norimatsu, Takashi, 4,873,904, Cl. 84-722.000.
  - Noro, Masao, 4,803,441, Cl. 330-257.000.
  - Noro, Masao, 4,812,846, Cl. 341-131.000.
  - Ogata, Takashi, 4,845,055, Cl. 437-247.000.
  - Oguri, Shigenori, 4,864,907, Cl. 84-637.000.
  - Oguri, Shigenori; and Terada, Kosei, 4,872,385, Cl. 84-635.000.
  - Ohmuro, Hiroaki, 4,856,406, Cl. 84-419.000.
  - Okada, Takashi, 4,887,370, Cl. 36-120.000.
  - Okamoto, Eisaku; and Komatsu, Ikuo, 4,882,964, Cl. 84-611.000.
  - Okamoto, Eisaku; and Abe, Yasunao, 4,887,504, Cl. 84-715.000.
  - Shibukawa, Takeo, 4,858,508, Cl. 84-1.010.
  - Shimizu, Yasushi; and Ando, Yoshikazu, 4,868,682, Cl. 358-335.000.
  - Shimoda. Iseo, 4,843,944, Cl. 84-418.000.
  - Shimoda, Isao; Yaguchi, Mitsugu; and Fujii, Junji, 4,858,510, Cl. 84-402.000.
  - Shimoda, Isao; and Fujioka, Shigemitsu, 4,867,033, Cl. 84-410.000.
  - Sogo, Akira, 4,884,037, Cl. 329-336.000.
  - Sugiyama, Jun; Suzuki, Akira; Terada, Kosei; and Oguri, Shigenori, 4,843,934, Cl. 84-1.030.
  - Sumikawa, Noburoh; and Fujimura, Masaki, 4,867,458, Cl. 273-171.000.
  - Suzuki, Hideo, 4,841,828, Cl. 84-1.190.
  - Suzuki, Hideo, 4,876,937, Cl. 84-612.000.
  - Suzuki, Kunio; and Hoshi, Toshiharu, 4,847,981, Cl. 29-594.000.
  - Suzuki, Kunio; Takamura, Masayuki; and Kubono, Tadashi, 4,884,623, Cl. 164-129.000.
  - Suzuki, Satoshi, 4,862,783, Cl. 84-622.000.
  - Suzuki, Satoshi, 4,887,503, Cl. 84-613.000.
  - Suzuki, Statoshi, 4,887,505, Cl. 84-714.000.
  - Suzuki, Yasuo; and Minakuchi, Kiyoshi, 4,829,873, Cl. 84-314.00N.
  - Takabayashi, Osamu, 4,857,927, Cl. 341-131.000.
  - Takashi, Makino, 4,888,811, Cl. 381-111.000.
  - Takatsuka, Masanori; and Hariguchi, Yoshinori, 4,811,947, Cl. 273-73.00J.
  - Takatsuka, Masanori, 4,861,029, Cl. 273-73.00C.
  - Tamaru, Takuya, 4,821,124, Cl. 360-133.000.
  - Tamaru, Takuya; and Fushiki, Tatsuo, 4,866,690, Cl. 369-45.000.
  - Tsutsumi, Kazumasu; and Ohba, Shinji, 4,868,693, Cl. 360-85.000.
  - Usui, Akira, 4,866,648, Cl. 364-724.010.
  - Watanabe, Touru; and Kato, Nobuji, 4,846,942, Cl. 204-58.500.
  - Yamaryo, Shigeru, 4,809,580, Cl. 84-382.000.
  - Yamaryo, Shigeru, 4,848,206, Cl. 84-382.000.
  - Yamashita, Noboru, 4,817,487, Cl. 84-179.000.
  - Yamashita, Toshinori, 4,841,830, Cl. 84-1.140.
  - Yamashita, Toshinori, 4,878,414, Cl. 84-421.000.
  - Yokoi, Katsuyuki; Suga, Shigeru; and Fujioka, Toshio, 4,866,003, Cl. 437-040.000.
- Yamaha Hatsudoki Kabushiki Kaisha: *See—*
  - Fujita, Minoru; and Shibata, Hirotaka, 4,805,572, Cl. 123-352.000.
  - Grinde, James E.; and Kuroda, Kazuo, 4,836,123, Cl. 114-270.000.
  - Horiuchi, Kotaro; and Suzuki, Masato, 4,872,805, Cl. 415-7.000.
  - Imai, Tetsuo; Marier, Gregory J.; and Warnke, Wayne L., 4,804,198, Cl. 280-21.100.
  - Imai, Tetsuo; Marien, Gregory J.; and Warnke, Wayne L., 4,815,759, Cl. 280-21.100.
  - Kitta, Hideaki, 4,817,374, Cl. 60-313.000.
  - Kobayashi, Noboru, 4,824,409, Cl. 440-47.000.
  - Kurahashi, Toshio, 4,811,697, Cl. 123-52.0MV.
  - Marier, Gregory J., 4,827,802, Cl. 74-866.000.
  - Marier, Gregory J.; and Moats, Tommy O., 4,878,339, Cl. 56-14.700.
  - Masuda, Yutaka, 4,796,716, Cl. 180-176.000.
  - Masumoto, Iwao; and Takii, Osamu, 4,809,647, Cl. 123-52.0MB.
  - Matsushima, Atsushi; and Ueda, Hideaki, 4,821,685, Cl. 123-52.0MF.
  - Nakamura, Tomoji; Sawada, Ryoji; and Nakamura, Kazuhiro, 4,821,567, Cl. 73-182.000.
  - Ohmi, Masatoshi; Uchiyama, Kazuo; and Yoneda, Toshihiko, 4,827,879, Cl. 123-52.0MV.
  - Sakurai, Tadashi; Fuchigami, Wataru; and Kitta, Hideaki, 4,795,420, Cl. 60-313.000.
  - Sakurai, Tadashi; and Fuchigami, Wataru, 4,840,029, Cl. 60-313.000.
  - Sakurai, Tadashi; and Fuchigami, Wataru, 4,869,063, Cl. 60-313.000.
  - Suzuki, Toshiyuki, 4,809,800, Cl. 180-219.000.
  - Takeuchi, Yoshikiho, 4,860,538, Cl. 60-313.000.
  - Terui, Toshiyasu, 4,838,022, Cl. 60-312.000.
  - Watanabe, Hiromitsu, 4,811,810, Cl. 180-215.000.
  - Yamamoto, Masanobu, 4,848,294, Cl. 123-198.00E.
  - Yasui, Toshihiro; and Yamamoto, Masanobu, 4,848,503, Cl. 180-190.000.
- Yamaha Hatsuodoki Kabushiki Kaisha: *See—*
  - Terui, Toshiyasu, 4,827,718, Cl. 60-312.000.

Yamahara, Yukio: *See—*
  White, William C.; Yamahara, Yukio; and Tajiri, Koji, 4,835,019, Cl. 427-387.000.

Yamahata, Hiroshi: *See—*
  Uno, Takaaki; Yamahata, Hiroshi; and Chiba, Kazuo, 4,889,328, Cl. 267-293.000.

Yamahata, Hitoshi; and Sato, Yoshikuni, to NEC Corporation. Virtual memory arrangement data processing system with decoding and execution of prefetched instructions in parallel. 4,847,748, 7-11-89, Cl. 364-200.000.

Yamahata, Takashi, to General Company Limited. Multi-type heat-sensitive transferring medium. 4,857,410, 8-15-89, Cl. 428-522.000.

Yamahira, Katsutoshi: *See—*
  Fujita, Toshio; Yamashita, Yoshisato; Yoshida, Shigemitsu; and Yamahira, Katsutoshi, 4,881,963, Cl. 71-64.070.

Yamahira, Yoshiya; Fujioka, Keiji; and Sató, Shigeji, to Sumitomo Pharmaceuticals Company, Limited. Sustained-release preparation. 4,855,134, 8-8-89, Cl. 424-85.700.

Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, to Sumitomo Chemical Company, Limited; and Yamanouchi Pharmaceutical Co., Ltd. Antimicrobial preparation. 4,880,796, 11-14-89, Cl. 514-206.000.

Yamaichi Electric Mfg. Co., Ltd.: *See—*
  Abe, Shunji, 4,887,969, Cl. 439-73.000.
  Honma, Kiyoaki; and Shibata, Sueji, 4,815,808, Cl. 350-96.200.
  Matsuoka, Noriyuki, 4,832,610, Cl. 439-68.000.
  Matsuoka, Noriyuki, 4,840,575, Cl. 439-267.000.
  Matsuoka, Noriyuki; and Ishida, Junji, 4,846,703, Cl. 439-71.000.
  Matsuoka, Noriyuki, 4,846,713, Cl. 439-260.000.
  Matsuoka, Noriyuki; and Ishida, Junji, 4,865,554, Cl. 439-70.000.
  Matsuoka, Noriyuki; and Kubo, Masaaki, 4,881,639, Cl. 206-328.000.
  Miura, Shinsuke; and Ishizuka, Susumu, 4,811,592, Cl. 73-32.00A.
  Miura, Shinsuke; and Ishizuka, Susumu, 4,811,593, Cl. 73-54.000.
  Miura, Shinsuke; Ishizuka, Susumu; and Kojima, Setsuo, 4,857,792, Cl. 310-323.000.

Yamaji, Hiroshi: *See—*
  Suzuki, Mitsuaki; Arai, Katsuyuki; Kojima, Yasushi; Toyama, Mitsusada; Sakiura, Jun; Hayashi, Hisao; and Yamaji, Hiroshi, 4,823,235, Cl. 361-424.000.

Yamaji, Teizo: *See—*
  Azuma, Shizuo; Hiramatsu, Toshiyuki; Nakagawa, Koji; Yamaji, Teizo; and Ichikawa, Yataro, 4,846,877, Cl. 71-92.000.

Yamaji, Tomohiro: *See—*
  Isomura, Toru; Yamaji, Tomohiro; and Ikeda, Chikamasa, 4,853,687, Cl. 340-825.300.

Yamaji, Yasuhiro; Takahashi, Kenji; Hirata, Seiichi; and Sakurai, Toshiharu, to Kabushiki Kaisha Toshiba. Semiconductor device. 4,855,807, 8-8-89, Cl. 357-72.000.

Yamaka, Eiso. Infrared ray detection device. 4,831,428, 5-16-89, Cl. 357-30.000.

Yamakami, Takahiko: *See—*
  Saito, Tsunenari; Ota, Kazuyuki; Suzuki, Teruyasu; Honda, Keiji; and Yamakami, Takahiko, 4,825,535, Cl. 29-613.000.

Yamakawa, Akira: *See—*
  Sasame, Akira; Sakanoue, Hitoyuki; Takeuchi, Hisao; Miyake, Masaya; Yamakawa, Akira; and Yushio, Yasuhisa, 4,886,709, Cl. 428-552.000.

Yamakawa, Kazuo, to Minolta Camera Kabushiki Kaisha. Tilt error corrective scanning optical system. 4,799,747, 1-24-89, Cl. 350-6.800.

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  Itoh, Isamu; Ono, Mitsunori; Kobayashi, Hidetoshi; and Yamakawa, Kazuyoshi, 4,831,152, Cl. 548-224.000.

Yamakawa, Kenichi: *See—*
  Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo; Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.

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Yamakawa, Kiyoshi, to Brother Kogyo Kabushiki Kaisha. Electronic control circuit for preventing abnormal operation of a slave control circuit. 4,848,876. 7-18-89, Cl. 350-331.00R.

Yamakawa, Kiyoshi, to Brother Kogyo Kabushiki Kaisha. Combination keyboard including plural stroke keys and plural touch keys. 4,862,166, 8-29-89, Cl. 341-22.000.

Yamakawa, Kiyoshi; Sugiura, Yoshio; and Tsuruki, Satoru, to Brother Kogyo Kabushiki Kaisha. Information processing apparatus. 4,863,296, 9-5-89, Cl. 400-63.000.

Yamakawa, Kiyoshi: *See—*
  Mori, Masaharu; Ueno, Hideo; Yamakawa, Kiyoshi; Kawakami, Yuji; and Sasaki, Ryoichi, 4,834,566, Cl. 400-697.000.

Yamakawa, Koji: *See—*
  Iyogi, Kiyoshi; Yamakawa, Koji; and Iwase, Nobuo, 4,855,251, Cl. 437-183.000.

Yamakawa, Masafumi: *See—*
  Yuzawa, Suezo; Yamakawa, Masafumi; and Shibayama, Takao, 4,866,324, Cl. 310-268.000.

Yamakawa, Masahiro; Arai, Toyoichi; and Nitta, Kiyosi, to Nippon Zeon Co., Ltd. Resin for magnetic coating. 4,818,781, 4-4-89, Cl. 524-407.000.

Yamakawa, Masahiro; and Nakamura, Eitaro, to Nippon Zeon Co., Ltd. Resin for magnetic paint. 4,851,465, 7-25-89, Cl. 524-431.000.

Yamakawa, Masami; and Tomita, Osamu, to Kabushiki Kaisha Wako Sangyo. System for detecting a transfer of an article. 4,818,973, 4-4-89, Cl. 340-572.000.

Yamakawa, Masami, to Wako Corporation. Photoelectric sensor employing custom lens member. 4,880,974, 11-14-89, Cl. 250-216.000.

Yamakawa, Masanori: *See—*
  Yamamoto, Hajime; Gotou, Tadashi; Yamakawa, Masanori; Nakao, Noboru; and Ikeda, Takashi, 4,824,329, Cl. 417-50.000.

Yamakawa, Noboru; and Yamauchi, Mineo, to Dai Nippon Insatsu Kabushiki Kaisha. Cassette with winding slack preventing mechanism. 4,883,234, 11-28-89, Cl. 242-67.30R.

Yamakawa, Shinzo: *See—*
  Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, 4,801,186, Cl. 350-96.300.

Yamakawa, Tadashi; Shimada, Kazutoshi; and Ogino, Yoshitaka, to Canon Kabushiki Kaisha. Control device for control of multi-function control units in an image processing apparatus. 4,811,052, 3-7-89, Cl. 355-14.00C.

Yamakawa, Tadashi: *See—*
  Inoue, Hiroshi; Omata, Satoshi; Osada, Yoshiyuki; Inoue, Yutaka; Yamakawa, Tadashi; and Satomura, Hiroshi, 4,884,079, Cl. 346-1.100.

Yamakawa, Takeshi, to Omron Tateisi Electronics Co. Basic circuitry particularly for construction of multivalued logic systems. 4,814,644, 3-21-89, Cl. 307-355.000.

Yamakawa, Takeshi, to Omron Tateisi Electronics Co. Fuzzy membership function circuit. 4,837,725, 6-6-89, Cl. 364-807.000.

Yamakawa, Takeshi, to Omron Tateisi Electronics Co. Fuzzy logic computers and circuits. 4,875,184, 10-17-89, Cl. 364-807.000.

Yamakawa, Takeshi: *See—*
  Ueno, Fumio; Yamakawa, Takeshi; and Shirai, Yuji, 4,860,243, Cl. 364-807.000.

Yamakawa, Tomio: *See—*
  Okabe, Susumu; Satoh, Masaru; Yamakawa, Tomio; Nomura, Yutaka; and Hayashi, Masatoshi, 4,824,856, Cl. 514-395.000.

Yamakawa, Tomoya: *See—*
  Shiraishi, Hideo; Kido, Yoshinobu; Ushijima, Kenji; Inada, Masanori; Ohtani, Hichiro; and Yamakawa, Tomoya, 4,864,855, Cl. 73-204.210.

Yamakawa, Toru; Makita, Fujio; Umezawa, Mitsuo; and Sakikiyama, Ryuzo, to Fuji Jukogyo Kabushiki Kaisha. Power transmission control system for a four-wheel drive vehicle. 4,840,246, 6-20-89, Cl. 180-247.000.

Yamakawa, Tsutomu; and Iwao, Hirofumi, to Kabushiki Kaisha Toshiba. Processing of radioisotope-distribution imaging signals in a scintillation camera apparatus. 4,812,656, 3-14-89, Cl. 250-363.00R.

Yamakawa Yakuhin Kogyo Kabushiki Kaisha: *See—*
  Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.
  Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,018, Cl. 252-299.010.

Yamakazi, Naoyuki: *See—*
  Furukawa, Masami; and Yamakazi, Naoyuki, 4,813,903, Cl. 446-90.000.

Yamaki, Hidenori; Kobayashi, Hironobu; and Minari, Akio, to Bridgestone Cycle Co., Ltd. Front fork for bicycle. 4,830,390, 5-16-89, Cl. 280-280.000.

Yamaki, Isao: *See—*
  Hoashi, Akira; Akima, Hideo; Maki, Takao; and Yamaki, Isao, 4,811,232, Cl. 364-426.020.
  Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,825,371, Cl. 364-426.020.
  Hoashi, Akira; Akima, Hideo; Miyake, Katsuya; and Yamaki, Isao, 4,870,582, Cl. 364-426.020.

Yamaki, Kaoru: *See—*
  Ohtake, Etsuo; Yamaki, Kaoru; and Kuroda, Takayuki, 4,878,973, Cl. 156-85.000.

Yamaki, Takanori: *See—*
  Idenawa, Hiroyuki; Mochimaru, Hideaki; Kanda, Hajime; Makita, Nobuhiro; Tanaka, Yoshiaki; Yagisita, Takahiro; Yamaki, Takanori; Motohashi, Takeshi; Miyamoto, Masayoshi; Ishima, Hisao; Sagawa, Yasuhiro; Kanno, Tadaaki; Sankoda, Tomoo; Hosokawa, Hiroshi; Aoki, Hideo; Suzuki, Takami; Takada, Hiromi; and Shimazaki, Toshio, 4,875,063, Cl. 346-160.100.

Yamaki, Toshio: *See—*
  Izumi, Shuji; Nakai, Masaaki; Fujino, Akihiko; Yamaki, Toshio; Mukai, Hiromu; and Taniguchi, Nobuyuki, 4,796,043, Cl. 354-402.000.
  Nakai, Masaaki; Izumi, Shuji; Fujino, Akihiko; Taniguchi, Nobuyuki; Yamaki, Toshio; and Mukai, Hiromu, 4,821,074, Cl. 354-402.000.

Yamakido, Kazuo: *See—*
  Amada, Eiichi; Yamakido, Kazuo; Kozaki, Takahiko; Nishita, Shigeo; and Kokubo, Masaru, 4,796,296, Cl. 379-410.000.

Yamakita, Hiromi: *See—*
  Taoda, Hiroshi; Hayakawa, Kiyoshi; Tazawa, Masato; and Yamakita, Hiromi, 4,869,795, Cl. 204-157.150.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, to Seikosha Co., Ltd. Current mirror circuit. 4,801,892, 1-31-89, Cl. 330-288.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, to Seikosha Co., Ltd. Current amplifier circuit. 4,804,927, 2-14-89, Cl. 330-288.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Mito, Kazuhisa, to Seikosha Co., Ltd. Comparator. 4,825,104, 4-25-89, Cl. 307-355.000.

Yamakoshi, Akira; Fujita, Toyohiko; Tsukakoshi, Kunihiko; and Anraku, Shinji, to Seikosha Co., Ltd. Current amplifier circuit and a current amplifying type differential current converter circuit. 4,859,966, 8-22-89, Cl. 330-288.000.

Yamakoshi, Kenichi: *See—*
  Shimazu, Hideaki; Ito, Hiroshi; and Yamakoshi, Kenichi, 4,875,488, Cl. 128-694.000.
  Watanabe, Yasuo; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,885,002, Cl. 604-9.000.
  Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,860,761, Cl. 128-686.000.
  Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, 4,862,895, Cl. 128-680.000.

Yamakoshi, Yukiyoshi, to Minolta Camera Kabushiki Kaisha. Recording apparatus. 4,796,058, 1-3-89, Cl. 355-29.000.

Yamakoshi, Yukiyoshi; and Makiyama, Hiroyuki, to Minolta Camera Kabushiki Kaisha. Sheet transport apparatus. 4,866,472, 9-12-89, Cl. 355-27.000.

Yamamisaka, Shinichi: *See—*
  Fukuda, Nobutoshi; Tanabe, Masashi; Furuta, Yoshiki; Nagao, Tatsuro; Arifuku, Naoto; and Yamamisaka, Shinichi. 4,839,584, Cl. 324-103.00P.
  Fukuda, Nobutoshi; Nagao, Tatsuro; Arifuku, Naoto; Tanabe, Masashi; Yamamisaka, Shinichi; and Furuta, Yoshiki, 4,860,129, Cl. 360-61.000.

Yamamiya, Hideki: *See—*
  Inomata, Koichiro; Mizoguchi, Tetsuhiko; Sori, Naoyuki; Yamamiya, Hideki; and Sakai, Isao, 4,827,235, Cl. 335-297.000.

Yamamiya, Kazuo: *See—*
  Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, 4,877,847, Cl. 525-397.000.

Yamamiya, Masao: *See—*
  Takeuchi, Hidemaro; Matsumura, Shogo; Tsuboi, Harumi; and Yamamiya, Masao, 4,830,090, Cl. 164-488.000.

Yamamiya, Shiro: *See—*
  Abe, Yoshio; Horiguchi, Shojiro; Ohira, Shozo; Nakamura, Michiei; Hasegawa, Masaru; Kawamura, Kimihide; Kanou, Kazuo; Kitabayashi, Katsuhiko; Zama, Yoshiyuki; and Yamamiya, Shiro, 4,869,532, Cl. 283-88.000.

Yamamori, Eiji, to Sony Corporation. Apparatus for adapting the diameter of a disk-like recording medium. 4,837,784, 6-6-89, Cl. 369-289.000.

Yamamori, Eiji, to Sony Corporation. Apparatus for adapting the diameter of a disk-like recording medium. 4,881,218, 11-14-89, Cl. 369-289.000.

Yamamori, Hisayoshi: *See—*
  Miyasaka, Katsuyuki; Katayama, Masao; Yamamori, Hisayoshi; Uchida, Teruyoshi; Tashita, Junichi; Ooe, Akihiko; and Watanabe, Youjirou, 4,813,423, Cl. 128-634.000.

Yamamori, Kiyoshi; Satoh, Kimikatsu; Hasegawa, Shigeyoshi; and Higuchi, Sadashi, to Matsushita Electric Industrial Co., Ltd. Ink jet recording apparatus with a device for removing ink attached to an ink jet head. 4,851,863, 7-25-89, Cl. 346-140.00R.

Yamamori, Naoki; and Kanda, Kazunori, to Nippon Paint Co., Ltd. Antifouling coating composition. 4,820,748, 4-11-89, Cl. 523-122.000.

Yamamori, Naoki; and Kanda, Kazunori, to Nippon Paint Co., Ltd. Disintegration type, crosslinked acrylic resin particles. 4,835,231, 5-30-89, Cl. 526-240.000.

Yamamori, Teruo: *See—*
  Adachi, Ikuo; Yamamori, Teruo; Ueda, Motohiko; and Sato, Hatsuo, 4,873,334, Cl. 514-303.000.

Yamamori, Yusuke: *See—*
  Yamada, Katsuhiko; Ojima, Kunio; Asakura, Takashi; Yamamori, Yusuke; and Nakamura, Yukihiro, 4,871,146, Cl. 266-106.000.

Yamamoto, Akifumi: *See—*
  Morinaga, Akio; Yagi, Isaburo; Maruyama, Hideo; and Yamamoto, Akifumi, 4,883,557, Cl. 156-287.000.

Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, to Hitachi, Ltd. Sealing structure, method of soldering and process for preparing sealing structure. 4,854,495, 8-8-89, Cl. 228-124.000.

Yamamoto, Akihiko: *See—*
  Kimura, Kouji; Mitsuyuki, Hiroshi; Yamamoto, Akihiko; and Satoh, Yutaka, 4,850,726, Cl. 400-279.000.
  Satoh, Motohiro; Yamada, Toshihiro; Kohono, Akiomi; Yamamoto, Akihiko; Taguchi, Keiji; Daikoku, Takahiro; and Kobayashi, Fumiuki, 4,872,606, Cl. 228-121.000.

Yamamoto, Akihiro; Makino, Yutaka; and Kaino, Shinji, to Matsushita Electric Industrial Co., Ltd. Method for bonding semiconductor laser element and apparatus therefor. 4,817,849, 4-4-89, Cl. 228-103.000.

Yamamoto, Akihiro: *See—*
  Nagano, Makoto; Nakanishi, Akira; Hiraki, Tomoyoshi; Ueno, Akira; Takahashi, Shoji; Kobayashi, Shuhei; Yamamoto, Akihiro; and Kodama, Fumio, 4,798,758, Cl. 428-213.000.

Yamamoto, Akinori; Oshikawa, Kiyomitsu; Kawashima, Isaku; Nakayama, Kazunori; Harakawa, Yoshiaki; Kuno, Takenori; and Watanabe, Makoto, to Asmo Co., Ltd.; and Nippondenso Co., Ltd. Apparatus for reducing stress on component elements during extension and contraction of motor-driven antenna apparatus for vehicles. 4,864,322, 9-5-89, Cl. 343-903.000.

Yamamoto, Akio: *See—*
  Shigemoto, Hiromi; Abe, Shunji; and Yamamoto, Akio, 4,880,589, Cl. 264-216.000.

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyanagi, Yoshiro, to Hitachi, Ltd. Method and system for concurrent data transfer disk cache system. 4,800,483, 1-24-89, Cl. 364-200.000.

Yamamoto, Akira; Nishigaki, Toru; Kurano, Akira; Hisano, Kiyoshi; and Shiroyana, Yoshiro, to Hitachi, Ltd. Parallel transfer type director means. 4,870,565, 9-26-89, Cl. 364-200.000.

Yamamoto, Akira: *See—*
  Ogawa, Kinya; Yamamoto, Akira; Aiba, Noboru; and Nagura, Shigehiro, 4,834,745, Cl. 604-890.100.
  Ogawa, Kinya; and Yamamoto, Akira, 4,844,916, Cl. 424-409.000.
  Uchino, Kazuhiro; Watanabe, Toshio; Nakazato, Yoshio; Hoshino, Minoru; Yamamoto, Akira; and I, Kanji, 4,830,836, Cl. 423-139.000.
  Yoshida, Kinzi; Yamamoto, Akira; and Iura, Kazuo, 4,884,430, Cl. 72-281.000.
  Yoshioka, Hiroshi; Yamamoto, Akira; Takamizawa, Minoru; and Ishihara, Toshinobu, 4,869,747, Cl. 71-106.000.

Yamamoto, Albert K.; and Read, Frank C., to Rexnord Inc. Printed circuit board retainer apparatus. 4,869,680, 9-26-89, Cl. 439-327.000.

Yamamoto Chemicals, Inc.: *See—*
  Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; and Hosono, Yoichi, 4,798,781, Cl. 430-270.000.
  Hirose, Sumio; Ozawa, Hiroshi; Abe, Kenji; Hosono, Yoichi; Takahara, Shigeru; and Koike, Tadashi, 4,859,569, Cl. 430-270.000.
  Ikegami, Seishi; and Nakao, Satoshi, 4,820,840, Cl. 546-15.000.

Yamamoto, Chuji: *See—*
  Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; and Yamamoto, Chuji, 4,846,925, Cl. 156-583.100.

Yamamoto & Co. Ltd.: *See—*
  Masumoto, Toyojiro, 4,800,810, Cl. 99-519.000.

Yamamoto Electric Corporation: *See—*
  Soeda, Katsuji, 4,804,900, Cl. 318-719.000.

Yamamoto, Eri: *See—*
  Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,874,542, Cl. 252-299.610.
  Tabohashi, Tatsuru; Sakurai, Takao; Higuchi, Ryoichi; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji. 4,880,561, Cl. 252-299.610.

Yamamoto, Etsuji; and Onodera, Takashi, to Hitachi, Ltd. NMR chemical shift imaging method with influence of intensity distribution of static magnetic field removed. 4,833,408, 5-23-89, Cl. 324-309.000.

Yamamoto, Etsuji; Ogura, Yukiko; and Kohno, Hideki, to Hitachi, Ltd. NMR imaging method. 4,853,636, 8-1-89, Cl. 324-309.000.

Yamamoto, Etsuji: *See—*
  Murakami, Yoshiki; Yamamoto, Etsuji; Yabusaki, Masao; and Kohno, Hideki, 4,875,013, Cl. 324-318.000.
  Sarumaru, Kohei; and Yamamoto, Etsuji, 4,803,190, Cl. 502-205.000.
  Yabusaki, Masao; Yamamoto, Etsuji; Murakami, Yoshiki; and Kohno, Hideki, 4,825,163, Cl. 324-318.000.
  Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, 4,875,010, Cl. 324-248.000.

Yamamoto, Etushi: *See—*
  Takahashi, Kazuyuki; Oe, Yasuhiro; and Yamamoto, Etushi, 4,811,487, Cl. 30-382.000.

Yamamoto, Fumihiko; and Misumi, Teruyuki, to Asahi Kasei Kogyo Kabushiki Kaisha. Poly-β-alanine compound, a process for producing the same and a polyacetal resin composition containing a poly-β-alanine compound. 4,855,365, 8-8-89, Cl. 525-401.000.

Yamamoto, Fumio: *See—*
  Higuchi, Seijun; Ohga, Tomonari; Katayama, Toshinori; and Yamamoto, Fumio, 4,842,958, Cl. 428-629.000.
  Wagatsuma, Makoto; Yamamoto, Fumio; Kimura, Takao; Shuto, Yoshito; and Yamakawa, Shinzo, 4,801,186, Cl. 350-96.300.

Yamamoto, Hachizou: *See—*
  Mitarai, Akira; and Yamamoto, Hachizou, 4,879,548, Cl. 340-712.000.

Yamamoto, Hajime; and Takashima, Yuji, to Matsushita Electric Industrial Co., Ltd. Color electrophotographic apparatus and method. 4,809,038. 2-28-89, Cl. 355-4.000.

Yamamoto, Hajime; Gotou, Tadashi; Yamakawa, Masanori; Nakao, Noboru; and Ikeda, Takashi, to Hitachi, Ltd. Method and apparatus for controlling liquid metal flow. 4,824,329, 4-25-89, Cl. 417-50.000.

Yamamoto, Hajime: *See—*
  Migita, Masahito; Kanehisa, Osam; Shiiki, Masatoshi; and Yamamoto, Hajime, 4,862,033, Cl. 313-502.000.
  Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime, Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.

Yamamoto, Haruhiko; Suzuki, Masahiro; Udagawa, Yoshiaki; Nakata, Mitsuhiko; Katsuyama, Koji; Ono, Izumi; and Kikuchi, Shunichi, to Fujitsu Limited. Cooling system for an electronic circuit device. 4,879,632, 11-7-89, Cl. 361-386.000.

Yamamoto, Haruhiko: *See—*
  Kawashima, Hisashi; Okada, Tsuguo; and Yamamoto, Haruhiko, 4,865,123, Cl. 165-104.330.

Yamamoto, Haruhisa, to Nippon Zeon Co., Ltd. Magnetic powder for magnetic recording. 4,820,433, 4-11-89, Cl. 252-62.570.

Yamamoto, Haruo; and Ichihashi, Takao, to Mita Industrial Co., Ltd. Lighting control method and a lighting control apparatus of a light source in an image forming apparatus. 4,827,283, 5-2-89, Cl. 355-14.00E.

- Yamamoto, Haruo; and Ogawa, Shusaku, to Mita Industrial Co., Ltd. Device for controlling charge area of photoreceptor. 4,839,695, 6-13-89, Cl. 355-218.000.
- Yamamoto, Haruo; Yamane, Masamitsu; and Ogawa, Shusaku, to Mita Industrial Co., Ltd. Paper discharge control method in an image forming apparatus having an intermediate tray. 4,851,876, 7-25-89, Cl. 355-323.000.
- Yamamoto, Haruo; Ichihashi, Takao; Fujisawa, Shuji; Tone, Eiichi; and Tsuda, Takeshi, to Mita Industrial Co., Ltd. Color image forming apparatus having a plurality of developing units. 4,860,053, 8-22-89, Cl. 355-245.000.
- Yamamoto, Haruo: *See—*
  - Kano, Atsushi; Watanabe, Toshio; Yamamoto, Haruo; Yamaguchi, Katsuhide; Oda, Kenji; Tsunoda, Arihiro; and Fukano, Masahiko, 4,801,975, Cl. 355-14.0TR.
- Yamamoto, Harutoshi; Mochizuki, Zenichi; and Sakomoto, Sadasue, to Toshiba Kikai Kabushiki Kaisha. Production method of machine parts and the machine parts thus produced 4,808,486, 2-28-89, Cl. 428-609.000.
- Yamamoto, Hideaki; Sasano, Akira; Matsumaru, Haruo; Tanaka, Yasuo; and Tsukada, Toshihisa, to Hitachi, Ltd. Photosensor. 4,855,795, 8-8-89, Cl. 357-2.000.
- Yamamoto, Hideki, to NEC Corporation. Start circuit for adapting a constant current generator to a wide variety of loads. 4,890,214, 12-26-89, Cl. 363-49.000.
- Yamamoto, Hideki: *See—*
  - Hikita, Sadayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,821,175, Cl. 364-200.000.
  - Hikita, Sakayuki; Kawakami, Suguru; Haniuda, Hiromi; Sakamoto, Akifumi; and Yamamoto, Hideki, 4,811,207, Cl. 364-200.000.
  - Kato, Takeo; Yamamoto, Hideki; and Miyazaki, Naoki, 4,857,393, Cl. 428-289.000.
  - Matsumoto, Katsumi; Kunii, Hideo; Yamamoto, Hideki; and Mori, Toshiyasu, 4,847,696, Cl. 358-335.000.
  - Shibayama, Masahiko; Kai, Umekichi; and Yamamoto, Hideki, 4,807,162, Cl. 364-552.000.
  - Watanabe, Tadahiko; Shobu, Kazuhisa; Tsuya, Yuko; Enomoto, Yuji; Hayakawa, Junshiro; Yagishita, Osamu; Yamamoto, Hideki; and Sudoh, Eiichi, 4,808,557, Cl. 501-87.000.
- Yamamoto, Hideo: *See—*
  - Hayashi, Chikahisa; Kawai, Makoto; Hirose, Yoshikazu; Terayama, Tatsuya; Miyazaki, Nobutsugu; and Yamamoto, Hideo, 4,831,878, Cl. 73-313.000.
  - Nishiyama, Masakazu; Shinbori, Takeyoshi; and Yamamoto, Hideo, 4,886,256, Cl. 267-221.000.
  - Ohta, Satoshi; Tanagawa, Kouzi; Yamamoto, Hideo; and Kumagai, Keiji, 4,812,634, Cl. 235-492.000.
  - Wada, Masahiro; Yamaguchi, Hirohisa; and Yamamoto, Hideo, 4,827,339, Cl. 358-136.000.
- Yamamoto, Hidetoshi: *See—*
  - Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kiyoshi, 4,850,096, Cl. 29-508.000.
  - Gotoh, Taiji; Yamamoto, Hidetoshi; and Yamada, Kiyoshi, 4,880,260, Cl. 285-382.200.
- Yamamoto, Hiroaki: *See—*
  - Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.
- Yamamoto, Hirokazu; and Furukawa, Akira, to Mitsubishi Paper Mills, Ltd. Negative charging liquid developer for electrophotography. 4,837,103, 6-6-89, Cl. 430-115.000.
- Yamamoto, Hirokazu: *See—*
  - Kohmura, Isao; Senga, Takao; Furukawa, Akira; Yamamoto, Hirokazu; Nakatani, Mamoru; and Yamada, Jun, 4,879,197, Cl. 430-119.000.
  - Senga, Takao; Takaoka, Kazuchiyo; Yamamoto, Hirokazu; and Hashimoto, Takimi, 4,873,166, Cl. 430-137.000.
- Yamamoto, Hiroki: *See—*
  - Kurimoto, Isao; Yamamoto, Hiroki; and Yamaguchi, Tetsuo, 4,885,322, Cl. 524-82.000.
  - Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.
  - Nomura, Hironori; Taiji, Shimakawa; Shinohara, Junji; Kobayashi, Shigetoyo; and Yamamoto, Hiroki, 4,838,969, Cl. 156-160.000.
  - Ueda, Masanori; Abe, Masayuki; Shitani, Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, 4,883,544, Cl. 148-2.000.
- Yamamoto, Hiromi; and Ishido, Hideko, to Kao Corporation. Emulsion type hair cosmetic. 4,839,167, 6-13-89, Cl. 424-71.000.
- Yamamoto, Hiromi: *See—*
  - Takemoto, Takashi; Tanishima, Takao; and Yamamoto, Hiromi, 4,832,674, Cl. 474-903.000.
- Yamamoto, Hironobu: *See—*
  - Ozaki, Ryoji; Shinohara, Hisaji; Yamamoto, Hironobu; Nara, Takashi; and Yoshida, Hajime, 4,808,223, Cl. 75-235.000.
- Yamamoto, Hironori: *See—*
  - Ban, Mikichi; Kakuchi, Osamu; Yamamoto, Hironori; Ohtsuka, Masaru; Shiba, Osamu; and Hara, Kazuhiko, 4,850,709, Cl. 356-352.000.
  - Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.
  - Yokomatsu, Takao; Yamamoto, Hironori; and Seki, Mitsuaki, 4,810,869, Cl. 250-492.200.
- Yamamoto, Hiroshi; Ishida, Masaru; Watanabe, Jin; Ishiwatari, Takashi; Tubaki, Kazuharu; and Nakanishi, Shinichi, to Toshiba Heating Appliances Co., Ltd. Electric iron. 4,800,661, 1-31-89, Cl. 38-93.000.
- Yamamoto, Hiroshi; and Suzuki, Nobuyuki, to Canon Kabushiki Kaisha. Camera system. 4,841,327, 6-20-89, Cl. 354-412.000.
- Yamamoto, Hiroshi, to Kabushiki Kaisha Toshiba. Optical information processing apparatus and cleaning cartridge. 4,870,636, 9-26-89, Cl. 369-292.000.
- Yamamoto, Hiroshi: *See—*
  - Hara, Masahiro; Okamoto, Atutoshi; Sakai, Toshiyasu; Oshima, Tadao; Yamamoto, Hiroshi; and Takai, Hiromitsu, 4,818,847, Cl. 235-455.000.
  - Inoue, Kazushige; Yamamoto, Hiroshi; Hyodo, Hiroshi; and Kishimoto, Shinichi, 4,876,204, Cl. 436-46.000.
  - Iwamoto, Taro; Aoki, Tatsu; Nakajima, Kichiro; and Yamamoto, Hiroshi, 4,853,874, Cl. 364-513.000.
  - Kamejima, Kohji; Nakano, Yoshiyuki; Fujie, Masakatsu; Iwamoto, Taro; and Yamamoto, Hiroshi, 4,799,267, Cl. 382-1.000.
  - Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.
  - Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,837,564, Cl. 340-750.000.
  - Ogawa, Shinji; Tsuchiya, Haruhiko; Araki, Tsutomu; Aoki, Hiroshi; and Yamamoto, Hiroshi, 4,849,747, Cl. 340-735.000.
  - Tsuchiya, Haruhiko; Yamamoto, Hiroshi; Ogawa, Shinji; and Kyoe, Shinji, 4,801,930, Cl. 340-703.000.
- Yamamoto, Hiroyoshi; Takesue, Toshiharu; and Kawawada, Naoki, to Seiko Instruments Inc. Optical attenuator and manufacturing method for making same. 4,884,859, 12-5-89, Cl. 350-96.150.
- Yamamoto, Hiroyoshi: *See—*
  - Nakajima, Atsunobu; Hoshi, Seiji; Yamamoto, Hiroyoshi; Miyata, Chikara; Nanno, Ikuo; Inagaki, Shigeru; and Hoshi, Hideo, 4,863,240, Cl. 350-247.000.
- Yamamoto, Hiroyuki; and Isobe, Toshifumi, to Konishiroku Photo Industry Co., Ltd. Image reading apparatus. 4,811,114, 3-7-89, Cl. 358-280.000.
- Yamamoto, Hiroyuki; and Matsunawa, Masahiko, to Konishiroku Photo Industry Co., Ltd. Shading correcting method enabling prevention of effect of noise and apparatus therefor. 4,841,376, 6-20-89, Cl. 358-282.000.
- Yamamoto, Hiroyuki: *See—*
  - Fukuchi, Masakazu; Akazawa, Kiyoshi; Matsunawa, Masahiko; Niki, Hiroshi; Matsuo, Shunji; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,825,246, Cl. 355-4.000.
  - Matsunawa, Masahiko; and Yamamoto, Hiroyuki, 4,841,361, Cl. 358-80.000.
  - Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,864,357, Cl. 355-32.000.
  - Niki, Hiroshi; Matsunawa, Masahiko; Yamamoto, Hiroyuki; and Abe, Yoshinori, 4,879,595, Cl. 358-80.000.
  - Okada, Takao; Nakamura, Takeaki; Nakamura, Kazuo; Nishioka, Kimihiko; Kouchi, Toshihito; Yamamoto, Hiroyuki; and Tomabechi, Hideo, 4,795,248, Cl. 351-158.000.
- Yamamoto, Hisao: *See—*
  - Itoh, Michio; Saito, Tadashi; Okamura, Nobuyuki; Yamamoto, Hisao; Iseda, Yutaka; and Takagi, Hirohiko, 4,818,601, Cl. 428-297.000.
  - Itoh, Michio; Yamamoto, Hisao; and Okamura, Nobuyuki, 4,871,794, Cl. 524-254.000.
- Yamamoto, Hisaomi: *See—*
  - Umehara, Kiyoshi; Yamamoto, Hisaomi; Kobayashi, Nobuo; and Imai, Tsutomu, 4,839,099, Cl. 252-607.000.
- Yamamoto, Hisashi; and Maruoka, Keiji, to Toyo Stauffer Chemical Co., Ltd. Optically active 3,3'-disilylbinaphthol derivatives. 4,798,903, 1-17-89, Cl. 556-432.000.
- Yamamoto, Hitoshi; Tottori, Takumi; Ikeda, Tsugio; and Okazaki, Kouji, to Honda Giken Kogyo Kabushiki Kaisha. Exhaust timing control apparatus. 4,807,571, 2-28-89, Cl. 123-65.0PE.
- Yamamoto, Hitoshi; Sagawa, Masato; Fujimura, Setsuo; and Matsuura, Yutaka, to Sumitomo Special Metals Co., Ltd. Process for producing permanent magnets and products thereof. 4,826,546, 5-2-89, Cl. 148-102.000.
- Yamamoto, Hitoshi; Toriyama, Masayuki; and Shibata, Kazumi, to Honda Giken Kogyo Kabushiki Kaisha. Exhaust timing control device for two-cycle engines. 4,829,945, 5-16-89, Cl. 123-65.0PE.
- Yamamoto, Hitoshi: *See—*
  - Fujimura, Setsuo; Sagawa, Masato; Matsuura, Yutaka; Yamamoto, Hitoshi; and Togawa, Norio, 4,859,255, Cl. 148-302.000.
  - Kawasaki, Kikuo; Yamamoto, Hitoshi; Fukuhara, Masanori; and Asanuma, Kenji, 4,814,754, Cl. 340-706.000.
  - Takada, Toshiyuki; and Yamamoto, Hitoshi, 4,864,981, Cl. 123-90.270.
- Yamamoto, Iichiro: *See—*
  - Saito, Tetsuo; Takeuchi, Akihiko; Yamamoto, Iichiro; Kato, Motoi; Ohzeki, Yukihiro; Inoue, Takahiro; Sasame, Hiroshi; and Fukushima, Hisashi, 4,864,419, Cl. 358-300.000.
- Yamamoto, Ikuro; and Koga, Keiji. Noise silencer for use in joint gap on highway. 4,834,213, 5-30-89, Cl. 181-210.000.
- Yamamoto, Isamu; and Asaida, Takashi, to Sony Corporation. Clamp circuit for a solid-state image device. 4,816,917, 3-28-89, Cl. 358-213.160.
- Yamamoto, Isamu, to Sony Corporation. Image signal compressor. 4,821,100, 4-11-89, Cl. 358-170.000.

- Yamamoto, Isamu; and Asaida, Takashi, to Sony Corporation. Output signal processing circuit for CCD register. 4,875,098, 10-17-89, Cl. 358-213.160.
- Yamamoto, Isamu; and Fukushima, Jiro, to Mitsubishi Denki Kabushiki Kaisha. Method of packaging a semiconductor laser and photosensitive semiconductor device. 4,877,756, 10-31-89, Cl. 437-209.000.
- Yamamoto, Isamu: *See—*
  - Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, 4,808,312, Cl. 210-500.230.
  - Suzuki, Mitsuru; Ohno, Makoto; and Yamamoto, Isamu, 4,886,631, Cl. 264-48.000.
- Yamamoto, Isao; Iida, Akio; and Kikuchi, Kaoru, to Toshiba Electric Appliances; and Robeson Industries Corp. Apparatus for making cotton candy. 4,846,643, 7-11-89, Cl. 425-7.000.
- Yamamoto, Isao: *See—*
  - Uchihashi, Syozo; Yamamoto, Isao; and Takeno, Kenji, 4,866,682, Cl. 367-153.000.
- Yamamoto, Janet: *See—*
  - Pedersen, Neils C.; and Yamamoto, Janet, 4,861,720, Cl. 435-238.000.
- Yamamoto, Junichi: *See—*
  - Okazaki, Ken; Satou, Kazuo; and Yamamoto, Junichi, 4,856,469, Cl. 123-90.510.
- Yamamoto, Kanshi: *See—*
  - Hojo, Takeshi; Yamamoto, Kanshi; Morohoshi, Mikio; and Hame, Fuyuki, 4,831,544, Cl. 364-453.000.
  - Hojo, Takeshi; Yamamoto, Kanshi; Kawada, Shinichi; Murabayashi, Kazushige; Akimoto, Mamoru; and Fukano, Michio, 4,879,918, Cl. 74-5.470.
- Yamamoto, Kaoru, to Tetra Pak International Aktiebolag. Feed device for long and narrow strips of continuous package. 4,844,313, 7-4-89, Cl. 226-83.000.
- Yamamoto, Kaoru: *See—*
  - Orikasa, Yuichi; Kojima, Shinji; Inoue, Takashi; Sato, Atsushi; Kawakami, Shigenobu; and Yamamoto, Kaoru, 4,804,729, Cl. 526-336.000.
- Yamamoto, Katsuhiro: *See—*
  - Hori, Yutaka; Matsumoto, Katsuo; Yamamoto, Katsuhiro; Sasaki, Toshimitsu; and Shida, Masayuki, 4,830,633, Cl. 8-160.000.
- Yamamoto, Katsutoshi; and Honda, Norimasa, to Daikin Industries, Ltd. Porous heat-shrinkable tetrafluoroethylene polymer tube and process for producing the same. 4,830,062, 5-16-89, Cl. 138-177.000.
- Yamamoto, Katsuyuki; Itoh, Kazutoyo; Kishimoto, Kazuo; and Yamashita, Wakio, to Shibuya Kogyo Co., Ltd. Article containment apparatus. 4,815,921, 3-28-89, Cl. 414-331.000.
- Yamamoto, Kazuhito, to Ricoh Company, Ltd. Color image processing system with a color separating circuit which produces a color image signal in response to a status signal from a color identifying circuit. 4,833,529, 5-23-89, Cl. 358-75.000.
- Yamamoto, Kazumi, to Ikegami Tsushinki Co., Ltd. Apparatus for enhancing contours of television signal. 4,823,190, 4-18-89, Cl. 358-166.000.
- Yamamoto, Kazumori: *See—*
  - Higashi, Naoki; Sugimoto, Shunjiro; Tsujimoto, Masafumi; Shirasawa, Hounai; Okada, Tsutomu; Yamamoto, Kazumori; Nagabhushan, Tattanahalli L.; and Trotta, Paul P., 4,828,990, Cl. 435-68.000.
- Yamamoto, Kazuo; Ono, Katsuyasu; and Yamamuro, Shinichi, to Nippon Seiko Kabushiki Kaisha; and Chuo Hatsujo Kabushiki Kaisha. Automatic locking and releasing arrangement for vehicular seat belt. 4,840,402, 6-20-89, Cl. 280-804.000.
- Yamamoto, Kazuo; and Ono, Katsuyasu, to Nippon Seiko Kabushiki Kaisha. Silent, rattle-free passive seat belt system. 4,889,363, 12-26-89, Cl. 280-804.000.
- Yamamoto, Kazuo: *See—*
  - Kaneko, Kazuo; Hatakeyama, Takanobu; Hino, Hirofumi; Uemura, Hideki; and Yamamoto, Kazuo, 4,839,915, Cl. 378-105.000.
  - Kihira, Hiroshi; Ito, Satoshi; Murata, Tomomi; Sakamoto, Shunji: and Yamamoto, Kazuo, 4,806,849, Cl. 324-65.0CR.
- Yamamoto, Kazushi, to Sharp Kabushiki Kaisha. Paper cartridge with paper aligning means. 4,874,160, 10-17-89, Cl. 271-227.000.
- Yamamoto, Kazushige: *See—*
  - Ohtake, Hisao; and Yamamoto, Kazushige, 4,852,080, Cl. 370-30.000.
- Yamamoto, Kazutaka; and Shigemori, Toshihiro, to Ricoh Company, Ltd. Tracking control device of an optical pick-up. 4,835,754, 5-30-89, Cl. 369-32.000.
- Yamamoto, Kazutoshi: *See—*
  - Endo, Takeshi; Nambu, Yoko; and Yamamoto, Kazutoshi, 4,841,058, Cl. 546-257.000.
  - Murata, Mitshiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,853,750, Cl. 355-75.000.
  - Murata, Mitsuhiro; Okada, Naofumi; Yamamoto, Kazutoshi; Tanimoto, Takuharu; and Inoue, Tokuyasu, 4,844,445, Cl. 271-275.000.
- Yamamoto, Kazuyoshi; Saikawa, Masahiko; and Kanada, Eiji, to Mitsubishi Paper Mills, Ltd. Lithographic printing plate with benzotriazoles improved in printing endurance. 4,824,760, 4-25-89, Cl. 430-204.000.
- Yamamoto, Keiichi; and Ishikawa, Kazuo, to Aisin Seiki Kabushiki Kaisha. Lockup control system for automatic transmission. 4,825,366, 4-25-89, Cl. 364-424.100.
- Yamamoto, Keiichi; and Ishikawa, Kazuo, to Aisin Seiki Kabushiki Kaisha. Control system for automatic transmission. 4,835,694, 5-30-89, Cl. 364-424.100.
- Yamamoto, Keiichi: *See—*
  - Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.
- Yamamoto, Keith R.: *See—*
  - Parslow, Tristram G.; and Yamamoto, Keith R., 4,889,802, Cl. 435-69.100.
- Yamamoto, Keizou: *See—*
  - Yokoi, Tsutomu; Tani, Hiroji; Kasanami, Tohru; Fukui, Norio; and Yamamoto, Keizou, 4,839,960, Cl. 29-620.000.
- Yamamoto, Ken; and Kageyam, Shuhei, to Kotobuki & Co., Ltd. Stapler with detachable staple holder. 4,795,073, 1-3-89, Cl. 227-120.000.
- Yamamoto, Ken: *See—*
  - Kimata, Kei; Yamamoto, Ken; Yasui, Makoto; and Furutani, Katsumi, 4,863,417, Cl. 474-101.000.
- Yamamoto, Kenji; Nakayama, Takehisa; and Tawada, Yoshihisa, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Electrode for electric discharge machining and method for producing the same. 4,797,527, 1-10-89, Cl. 219-69.00E.
- Yamamoto, Kenji: *See—*
  - Otsuka, Takashi; Nose, Masahiko; Yamamoto, Kenji; Taniguchi, Tadao; Shigeta, Yoshifumi; and Osada, Mototsugu, 4,840,296, Cl. 222-600.000.
  - Sasaki, Saburo; Ishida, Tsutomu; and Yamamoto, Kenji, 4,874,957, Cl. 250-578.000.
- Yamamoto, Kenneth G.: *See—*
  - Edel, Stephen F.; Workman, Michael L.; Yamamoto, Kenneth G.; and Yu, Mantle M. H., 4,835,633, Cl. 360-78.120.
  - Shih, Shih-Ming; Spanel, Richard J.; Yamamoto, Kenneth G.; and Yu, Mantle M., 4,835,632, Cl. 360-78.040.
- Yamamoto, Kiwamu: *See—*
  - Iwasawa, Yoshiyuki; Ishida, Tsutomu; Harada, Hiroshi; Okamoto, Kenji; Kobayashi, Shintaro; Matsumoto, Takashi; Shinya, Tsutomu; Tanaka, Shigeru; Takasu, Toshio; and Yamamoto, Kiwamu, 4,867,629, Cl. 414-331.000.
- Yamamoto, Kiyoharu: *See—*
  - Kobayashi, Shigeo; Yoshida, Osamu; Saito, Haruo; Shigeta, Tsutomu; Nara, Hiroshi; Abe, Shinji; and Yamamoto, Kiyoharu, 4,805,439, Cl. 72-419.000.
- Yamamoto, Kiyokazu: *See—*
  - Sasaki, Michiaki; Ohno, Junya; Ozaki, Katsunori; Yamamoto, Kiyokazu; and Matsuki, Toshiyuki, 4,834,132, Cl. 137-143.000.
  - Sasaki, Michiaki; and Yamamoto, Kiyokazu, 4,838,307, Cl. 137-574.000.
- Yamamoto, Kiyonori; Sota, Osamu; Sakae, Masahiko; Makiura, Yoshinori; Murakami, Masahiro; and Mitsuya, Toshiyuki, to Mita Industrial Co., Ltd. Paper-feeding device. 4.861,017, 8-29-89, Cl. 271-258.000.
- Yamamoto, Kiyoshi; Nakamura, Toshihiro; Ito, Tadao; and Inui, Keiichiro, to Shinto Paint Co. Ltd. Method of dissolving solid or semisolid material into solvent. 4,797,230, 1-10-89, Cl. 252-364.000.
- Yamamoto, Kiyosi: *See—*
  - Kawashima, Kenichi; Emi, Kenji; Tezuka, Akira; Sayo, Kosaku; Ito, Toshikazu; Sudo, Toshio; Takahashi, Yukio; Hayase, Isao; Suginuma, Atsushi; Yamamoto, Kiyosi; Usui, Hideo; Takao, Kunihiko; Mizukami, Masao; Ito, Masaru; and Moritaka, Masahiro, 4,815,943, Cl. 417-222.000.
- Yamamoto, Koichi; and Baba, Fumiaki, to Mazda Motor Corporation. System for controlling rate of speed change in automatic transmission. 4,831,900, 5-23-89, Cl. 74-869.000.
- Yamamoto, Koji; Nakajima, Akihisa; Sawada, Hiroshi; Shinagawa, Noriteru; and Itano, Jiro, to Nippon Telegraph and Telephone Corporation. Mobile communication system. 4,856,048, 8-8-89, Cl. 379-60.000.
- Yamamoto, Koji: *See—*
  - Otsubo, Kazunari; Ezoe, Motonobu; Ago, Hideo; and Yamamoto, Koji, 4,880,896, Cl. 528-196.000.
  - Takimoto, Hideo; Tokuda, Katsuji; and Yamamoto, Koji, 4,882,216, Cl. 428-209.000.
- Yamamoto, Kojuro; and Torita, Katsutoshi, to NGK Insulators, Ltd. Compression apparatus having precompression device and main compression device. 4,809,600, 3-7-89, Cl. 100-193.000.
- Yamamoto, Kouichi: *See—*
  - Fujii, Isao; Osada, Sanjyuro; Okamoto, Masato; and Yamamoto, Kouichi, 4,845,919, Cl. 53-380.000.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, to Minolta Camera Kabushiki Kaisha. Camera with a flash device. 4,814,813, 3-21-89, Cl. 354-418.000.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, to Minolta Camera Kabushiki Kaisha. Camera system with mode selecting device. 4,841,318, 6-20-89, Cl. 354-173.100.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, to Minolta Camera Kabushiki Kaisha. Moving driving device of camera. 4,849,779, 7-18-89, Cl. 354-173.110.
- Yamamoto, Kouji: *See—*
  - Taniguchi, Noguyuki; Tominaga, Shinji; Yamamoto, Kouji; Ootsuka, Hiroshi; and Ueda, Hiroshi, 4,816,862, Cl. 354-412.000.
  - Tominaga, Shinji; Yamamoto, Kouji; and Yamanaka, Akira, 4,857,946, Cl. 354-173.100.

Yamamoto, Kousuke: *See—*
  Mori, Shigeki; Kobayashi, Katsuyuki; Taniishi, Shinnosuke; and Yamamoto, Kousuke, 4,887,245, Cl. 367-129.000.
Yamamoto, Kunihiko; Ishii, Yutaka; and Take, Hiroshi, to Sharp Kabushiki Kaisha. Liquid crystal matrix device having separate driving circuits with diverse driving voltages. 4,801,933, 1-31-89, Cl. 340-784.000.
Yamamoto, Kunihiko: *See—*
  Matsuhashi, Nobuaki; Takeda, Makoto; Yamamoto, Kunihiko; and Take, Hiroshi, 4,845,473, Cl. 340-784.000.
  Nakagawa, Kenichi; Tsubota, Kojiro; and Yamamoto, Kunihiko, 4,870,486, Cl. 358-92.000.
  Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,799,057, Cl. 340-811.000.
  Takeda, Makoto; Yamamoto, Kunihiko; Matsuhashi, Nobuaki; and Take, Hiroshi, 4,825,203, Cl. 340-784.000.
Yamamoto, Kunio: *See—*
  Kawano, Hisao; and Yamamoto, Kunio, 4,870,638, Cl. 370-13.000.
  Takeda, Yoshinobu; and Yamamoto, Kunio, 4,826,641, Cl. 264-40.500.
  Takeda, Yoshinobu; and Yamamoto, Kunio, 4,882,117, Cl. 264-328.900.
Yamamoto, Kyohei, to Mitsubishi Denki Kabushiki Kaisha. Method of starting engine and apparatus therefor. 4,862,010, 8-29-89, Cl. 290-38.00R.
Yamamoto, Kyohei, to Mitsubishi Denki Kabushiki Kaisha. Method of and apparatus for controlling the opertion of electromagnetic switches. 4,873,607, 10-10-89, Cl. 361-210.000.
Yamamoto, Makoto: *See—*
  Okuyama, Kouji; Yamamoto, Makoto; Kimura, Hidetoshi; and Ito, Taizo, 4,804,426, Cl. 156-128.100.
  Takeuchi, Setsuo; Kochi, Mutsuyuki; Kawarada, Akira; Esumi, Shinichiro; Sasaki, Kaguya; Kawabata, Shozo; Saita, Tsuneo; Inoue, Yukio; Yamamoto, Makoto; and Sekine, Keiji, 4,882,314, Cl. 514-23.000.
Yamamoto, Masafumi: *See—*
  Ono, Shuji; and Yamamoto, Masafumi, 4,873,435, Cl. 250-235.000.
Yamamoto, Masahiro; Kumata, Mituyosi; Kozoe, Katutoshi; and Itoh, Tsutomu, to Onoda Cement Company, Ltd. Electrostatic powder coating apparatus. 4,811,689, 3-14-89, Cl. 118-624.000.
Yamamoto, Masahiro; and Yatomi, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Wire electrode breakage detection method and apparatus. 4,862,095, 8-29-89, Cl. 324-543.000.
Yamamoto, Masahiro: *See—*
  Imai, Hiroyuki; Horiike, Yoshio; and Yamamoto, Masahiro, 4,868,854, Cl. 375-118.000.
  Nagasaka, Hideo; Yamamoto, Masahiro; Morita, Tadao; Saitoh, Hiroshi; and Itoh, Tsutomu, 4,805,069, Cl. 361-226.000.
  Nakagawa, Yoshitomo; Kaito, Takashi; Houjyo, Hisao; and Yamamoto, Masahiro, 4,874,632, Cl. 427-41.000.
  Okuda, Norio; Nakanishi, Noriyoshi; Yamamoto, Masahiro; Takenishi, Shinsuke; Miyahara, Kenichiro; Sonoda, Hiroaki; and Ishida, Masanobu, 4,804,823, Cl. 219-553.000.
  Sasada, Shigeru; Yamamoto, Masahiro; Shimizu, Yoshio; and Sumioka, Tsutomu, 4,797,711, Cl. 355-32.000.
Yamamoto, Masaji: *See—*
  Asano, Hiroaki; Nakamura, Keiichi; Yamamoto, Masaji; Tanooka, Shigeo; and Sakai, Toshifumi, 4,817,751, Cl. 180-233.000.
Yamamoto, Masakazu: *See—*
  Kaji, Kichiro; Shimasaki, Katsunori; Yamamoto, Masakazu; Saiki, Kozo; Yura, Keita; Habata, Hidetsugu; Kimura, Isao; and Suzuki, Tetsuo, 4,873,070, Cl. 423-345.000.
Yamamoto, Masaki; Okada, Hiroaki; Ogawa, Yasuaki; and Miyagawa, Tsutomu, to Takeda Chemical Industries, Ltd. Polymer, production and use thereof. 4,849,228, 7-18-89, Cl. 424-457.000.
Yamamoto, Masaki: *See—*
  Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, 4,801,035, Cl. 220-3.800.
  Takanabe, Kazunori; Yamamoto, Masaki; Ito, Kenzo; and Fujinami, Hiroshi, 4,890,104, Cl. 340-995.000.
Yamamoto, Masamitu: *See—*
  Sakai, Takashi; Kitayama, Hiroshi; Yamamoto, Masamitu; and Mino, Takashi, 4,826,433, Cl. 433-136.000.
Yamamoto, Masanao: *See—*
  Ogawa, Hirofumi; Sameshima, Kenji; Hirai, Tadaaki; Unnai, Takaaki; Yamamoto, Masanao; Shidara, Keiichi; Yamazaki, Junichi; Hiruma, Eikiyu; and Suzuki, Shirou, 4,883,562, Cl. 156-643.000.
  Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.
Yamamoto, Masanari; Ito, Yasunobu; and Yokoyama, Shouji, to Aisin-Warner Kabushiki Kaisha. Electronically controlled automatic transmission. 4,841,445, 6-20-89, Cl. 364-424.100.
Yamamoto, Masanobu, to Yamaha Hatsudoki Kabushiki Kaisha. Carburetor heating device for small snowmobile. 4,848,294, 7-18-89, Cl. 123-198.00E.
Yamamoto, Masanobu: *See—*
  Yasui, Toshihiro; and Yamamoto, Masanobu, 4,848,503, Cl. 180-190.000.
Yamamoto, Masanori; Kamoda, Tamotsu; Nakahara, Makoto; Fujii, Yoshimasa; and Sugano, Shozo, to House Food Industrial Company Limited. Container packed with instant food for use in microwave oven. 4,803,088, 2-7-89, Cl. 426-107.000.
Yamamoto, Masanori: *See—*
  Fujihara, Takeo; Yamatani, Akira; Yamamoto, Masanori; and Kubo, Takako, 4,795,082, Cl. 229-109.000.
Yamamoto, Masaru: *See—*
  Sugimori, Kenichiro; Yamamoto, Masaru; Horii, Ikuo; Ishiguro, Shigeo; Matsushita, Hajime; Ichinose, Hiroshi; and Mizusaki, Shigenobu, 4,845,065, Cl. 502-74.000.
Yamamoto, Masashi: *See—*
  Enoguchi, Yuuji; Yamamoto, Masashi; and Natsuhara, Toshiya, 4,827,305, Cl. 355-259.000.
  Ezure, Yoji; Yamamoto, Masashi; Maruo, Shigeaki; and Sugiyama, Makoto, 4,806,633, Cl 536-18.500.
Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, to Asahi Kogaku Kogyo Kabushiki Kaisha. SLR camera with auxiliary light emitter. 4,881,098, 11-14-89, Cl. 354-403.000.
Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, to Asahi Kogaku Kogyo Kabushiki Kaisha. Back-cover release device for a camera. 4,887,114, 12-12-89, Cl. 354-288.000.
Yamamoto, Masato: *See—*
  Nagaoka, Kazuo; Takao, Yoshiki; and Yamamoto, Masato, 4,868,638, Cl. 360-16.000.
Yamamoto, Masayasu: *See—*
  Akabane, Jun; Moro, Ken; Yamamoto, Masayasu; Hara, Masaharu and Sekine, Yoshio, 4,853,723, Cl. 354-145.100.
  Akabane, Jun; Moro, Ken; and Yamamoto, Masayasu, 4,857,948, Cl. 354-288.000.
Yamamoto, Masayuki: *See—*
  Nagase, Kazuo; Tagaki, Toshio; Endo, Takayoshi; Murofushi, Satoru; and Yamamoto, Masayuki, 4,828,507, Cl. 439-206.000.
Yamamoto, Mayjue A., to General Motors Corporation. Blind cable assembly. 4,886,134, 12-12-89, Cl. 188-20.000.
Yamamoto, Mayumi; Suzuki, Eiichi; and Watanabe, Yoshitaka, to Canon Kabushiki Kaisha. Process of and apparatus for hot pressure adhesion treatments. 4,865,675, 9-12-89, Cl. 156-164.000.
Yamamoto, Michio; Kiriyama, Tsutomu; Sasaki, Noriaki; Sakamoto, Yoshitaka; and Ishimaru, Kenji, to Teijin Limited. Method for treating synthetic pulp particles, and pulp particles composed of synthetic polymer. 4,885,057, 12-5-89, Cl. 162-9.000.
Yamamoto, Mikio: *See—*
  Maeno, Mikihiko; Ohta, Yukio; Momiyama, Yoshiharu; Ono Hisao; Takahata, Katsumasa; Ozono, Kazuyuki; Shimizu, Makoto; and Yamamoto, Mikio, 4,874,159, Cl. 271-171.000.
Yamamoto, Minoru; and Kiritani, Yoshiharu, to Yamamoto, Minoru; and Sato Kogyo Kabushuki Kaisha. Method for constructing a tunnel. 4,813,813, 3-21-89, Cl. 405-146.000.
Yamamoto, Minoru; Ito, Nobuei; Uesugi, Hiroshi; and Hattori, Tadashi, to Nippon Soken, Inc. Method and device for forming diamond film. 4,851,254, 7-25-89, Cl. 427-37.000.
Yamamoto, Minoru; and Kumai, Fumitaka, to Tekken Construction Co., Ltd.; and Yamamoto, Minoru. Method for lining tunnel wall formed by shield excavation. 4,863,313, 9-5-89, Cl. 405-146.000.
Yamamoto, Minoru: *See—*
  Nakajima, Hideo; and Yamamoto, Minoru, 4,823,737, Cl. 119-22.000.
Yamamoto, Mitsuo: *See—*
  Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,808,551, Cl. 437-81.000.
  Mori, Hidefumi; Tsuzuki, Nobuyori; and Yamamoto, Mitsuo, 4,848,273, Cl. 118-729.000.
Yamamoto, Mitsuru: *See—*
  Hirano, Shigeo; Kojima, Tetsuro; Yamamoto, Mitsuru; Inoue, Noriyuki; and Heki, Tatsuo, 4,859,579, Cl 430-598.000.
Yamamoto, Moriharu: *See—*
  Matsui, Hisanori; Sutoh, Keiji; Yamamoto, Moriharu; Takagi, Kazuhiro; Yabutani, Kunihiro; Taninaka, Kuniaki; and Kajioka, Mitsuru, 4,845,232, Cl. 548-265.000.
Yamamoto, Motokazu, to Hi-Control Limited. Abrasive sheet with the surface of the abrasive particles cleaned and method of making. 4,835,052, 5-30-89, Cl. 428-332.000.
Yamamoto, Motoyuki; and Tsuburai, Yasuhiko, to Kabushiki Kaisha Toshiba. Method of manufacturing a semiconductor laser with autodoping control. 4,855,250, 8-8-89, Cl. 437-81.000.
Yamamoto, Motoyuki: *See—*
  Nagasaka, Hiroko; Hatakoshi, Gen-ichi; Shimada, Naohiro; Yamamoto, Motoyuki; Okajima, Masaki; Iizuka, Yoshio; Kawata, Hatsumi; Kinoshita, Hideaki; and Matsuura, Nobuyuki, 4,799,228, Cl. 372-46.000.
  Ohba, Yasuo; Watanabe, Miyoko; Sugawara, Hideto; Ishikawa, Masayuki; Watanabe, Yukio; and Yamamoto, Motoyuki, 4,809,287, Cl. 372-45.000.
  Ohba, Yasuo; Ishikawa, Masayuki; Yamamoto, Motoyuki; Watanabe, Yukio; and Sugawara, Hideto, 4,835,117, Cl. 437-129.000.
Yamamoto, Naofumi; Saito, Tutomu; and Sekizawa, Hidekazu, to Kabushiki Kaisha Toshiba. Image correction method and apparatus with partial detector array sampling. 4,806,780, 2-21-89, Cl. 250-578.000.
Yamamoto, Naofumi: *See—*
  Kawakami, Haruko; Sekizawa, Hidekazu; and Yamamoto, Naofumi, 4,803,496, Cl. 346-76.0PH.
Yamamoto Naohiro; and Tokuda, Shuichiro, to Mitsubishi Rayon Co., Ltd. Optical fiber device. 4,865,417, 9-12-89, Cl. 350-96.300.
Yamamoto, Naoki: *See—*
  Azegami, Kiyotaka; Tayama, Suehiro; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,877,687, Cl. 428-520.000.
  Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,877,831, Cl. 525-63.000.

  Hongo, Masafumi; Shigemitsu, Hideyuki; Yamamoto, Naoki; and Yanagase, Akira, 4,888,388, Cl. 525-67.000.
  Kobayashi, Nobuyoshi; Hara, Nobuo; Iwata, Seiichi; and Yamamoto, Naoki, 4,807,015, Cl. 357-67.000.
  Nakamura, Tohru; Ogirima, Masahiko; Nakazato, Kazuo; Miyazaki, Takao; Yamamoto, Naoki; Nagata, Minoru; and Sugaki, Shojiro, deceased, 4,860,086, Cl. 357-67.000.
  Sasaki, Isao; Yamamoto, Naoki; Yanagase, Akira; and Hatakeyama, Hiroki, 4,859,727, Cl. 524-147.000.
Yamamoto, Noboru; and Matsuoka, Yasuo, to Kabushiki Kaisha Toshiba. Resist coating apparatus. 4,800,836, 1-31-89, Cl. 118-52.000.
Yamamoto, Noboru; Furumoto, Mitsumasa; Kawahara, Eiichiro; and Ikehjiri, Kenichi, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulically operated continuously variable transmission. 4,838,024, 6-13-89, Cl. 60-488.000.
Yamamoto, Noboru: *See—*
  Kawahara Eiichiro; Ikejiri, Kenichi; Iino, Takashi; Iwasawa, Kenjiro; and Yamamoto, Noboru, 4,809,587, Cl. 91-166.000.
  Komatsu, Masato; Baba, Isao; Narukawa, Kiyotada; Yamamoto, Noboru; and Kanai, Tsuyoshi, 4,801,651, Cl. 525-195.000.
  Komatsu, Masato; Baba, Isao; and Yamamoto, Noboru, 4,871,796, Cl. 524-474.000.
  Narukawa, Kiyotada; Shimada, Masakichi; Yamamoto, Noboru; Yamaguchi, Taizo; Wakabayashi, Hiroyuki; Kato, Fumio; and Matsubara, Tamotsu, 4,833,181, Cl. 524-13.000.
  Yamaguchi, Kouji; and Yamamoto, Noboru, 4,815,288, Cl. 60-443.000.
Yamamoto, Nobuhiro; and Kurio, Noriyuki, to Mazda Motor Corporation. Cooling systems for rotary piston engines. 4,826,410, 5-2-89, Cl. 418-84.000.
Yamamoto, Nobumasa, to Du Pont de Nemours, E. I., and Company. Electrical connector terminal for a flexible printed circuit board. 4,832,620, 5-23-89, Cl. 439-422.000.
Yamamoto, Nobusuke: *See—*
  Fujii, Hiroyuki; Kudo, Takamichi; Furukawa, Haruhiko; and Yamamoto, Nobusuke, 4,838,945, Cl. 134-7.000.
Yamamoto, Nobuyuki: *See—*
  Inaba, Hiroo; Ushimaru, Akira; Yamamoto, Nobuyuki; Hibino, Noburo; and Iwamoto, Kenzo, 4,861,674, Cl. 428-480.000.
  Nakao, Fujio; Yamamoto, Nobuyuki; and Anai, Katumi, 4,867,852, Cl. 204-130.000.
Yamamoto, Noriaki: *See—*
  Noborisaka, Mitsuo; Noborisaka, Masashi; Fukagai, Toshiaki; Taniguchi, Takashi; Tanaka, Shinji; Satou, Yuuji; Tanaka, Kazuhiro; and Yamamoto, Noriaki, 4,831,805, Cl. 52-509.000.
Yamamoto, Norihito, to Omron Tateisi Electronics Co. Electronic clinical thermometer. 4,846,583, 7-11-89, Cl. 374-163.000.
Yamamoto, Noriyuki: *See—*
  Igari, Naoto; Yamamoto, Noriyuki; and Sakata, Tetshin, 4,858,667, Cl. 157-1.100.
Yamamoto, Osamu; Sasaki, Shigeo; and Kagano, Shinichi, to Hitachi Maxell, Ltd. Recording tape cartridge. 4,802,045, 1-31-89, Cl. 360-132.000.
Yamamoto, Osamu; Hayashi, Hiroshi; and Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser apparatus having an external reflecting means. 4,803,695, 2-7-89, Cl. 372-92.000.
Yamamoto, Osamu; Hayashi, Hiroshi; Matsui, Sadayoshi; Takiguchi, Haruhisa; and Miyauchi, Nobuyuki, to Sharp Kabushiki Kaisha. Micro-displacement measuring apparatus using a semiconductor laser. 4,806,778, 2-21-89, Cl. 250-561.000.
Yamamoto, Osamu; Maei, Shigeki; Hayashi, Hiroshi; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, to Sharp Kabushiki Kaisha. Semiconductor laser apparatus. 4,811,350, 3-7-89, Cl. 372-43.000.
Yamamoto, Osamu; and Yoshida, Toshihiko, to Sharp Kabushiki Kaisha. Nonlinear optical waveguide device including grating for changing of the wavelength of light. 4,852,961, 8-1-89, Cl. 350-96.190.
Yamamoto, Osamu, to Fuji Electric Co., Ltd. Control unit of fuel cell generating system. 4,883,724, 11-28-89, Cl. 429-23.000.
Yamamoto, Osamu: *See—*
  Hayashi, Hiroshi; Maei, Shigeki; Yamamoto, Osamu; Kawanishi, Hidenori; and Miyauchi, Nobuyuki, 4,864,585, Cl. 372-92.000.
  Hirota, Toshio; Ohuchi, Takashi; and Yamamoto, Osamu, 4,873,155, Cl. 429-26.000.
  Hotta, Toshinori; and Yamamoto, Osamu, 4,803,440, Cl. 330-145.000.
  Kawanishi, Hidenori; Yamamoto, Osamu; Miyauchi, Nobuyuki; Maei, Shigeki; and Hayashi, Hiroshi, 4,829,531, Cl. 372-19.000.
  Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, 4,817,109, Cl. 372-92.000.
  Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
  Miyauchi, Nobuyuki; Kawanishi, Hidenori; Maei, Shigeki; Yamamoto, Osamu; and Hayashi, Hiroshi, 4,860,305, Cl. 372-92.000.
  Noguchi, Masahiro; and Yamamoto, Osamu, 4,889,586, Cl. 156-636.000.
  Watanabe, Masaru; and Yamamoto, Osamu, 4,819,443, Cl. 62-225.000.
Yamamoto, Ronald, to Vitaphore Corporation. Method of forming chelated collagen having bactericidal properties. 4,847,049, 7-11-89, Cl. 422-24.000.
Yamamoto, Ronald; Conston, Stanley R.; and Pesotchinsky, Sophia, to Vitaphore Corp. Antimicrobial wound dressing and skin fixator for orthopedic pins. 4,856,504, 8-15-89, Cl. 128-92.0ZW.
Yamamoto, Ryoichi; Nomura, Masaaki; Yamada, Takashi; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Magneto-optical recording medium. 4,837,118, 6-6-89, Cl. 428-645.000.
Yamamoto, Ryoichi: *See—*
  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,802,160, Cl. 369-284.000.
  Yamada, Takashi; Nomura, Masaaki; Yamamoto, Ryoichi; and Nahara, Akira, 4,808,456, Cl. 428-65.000.
Yamamoto, Ryoji: *See—*
  Ishikawa, Katsuhisa; Yamamoto, Ryoji; and Tsukahara, Takayuki, 4,832,908, Cl. 420-95.000.
Yamamoto, Saburo; Hayashi, Hiroshi; and Morimoto, Taiji, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,819,244, 4-4-89, Cl. 372-46.000.
Yamamoto, Saburo, to Sharp Kabushiki Kaisha. Semiconductor laser device. 4,868,838, 9-19-89, Cl. 372-46.000.
Yamamoto, Saburo: *See—*
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,806,994, Cl. 357-4.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; and Yamamoto, Saburo, 4,824,518, Cl. 156-613.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Kondo, Masafumi; Takahashi, Kohsei; and Yamamoto, Saburo, 4,841,533, Cl. 372-45.000.
  Hayakawa, Toshiro; Suyama, Takahiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,860,297, Cl. 372-45.000.
  Hosoda, Masahiro; Sasaki, Kazuaki; Kondo, Masaki; and Yamamoto, Saburo, 4,860,299, Cl. 372-46.000.
  Miyauchi, Nobuybuki; Yamamoto, Osamu; Hayashi, Hiroshi; Yamamoto, Saburo; and Maei, Shigeki, 4,817,109, Cl. 372-92.000.
  Miyauchi, Nobuyuki; Maei, Shigeki; Yamamoto, Osamu; Morimoto, Taiji; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,815,089, Cl. 372-49.000.
  Morimoto, Taiji; Taneya, Mototaka; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,819,245, Cl. 372-48.000.
  Suyama, Takahiro; Takahashi, Kohsei; Yamamoto, Saburo; Hayakawa, Toshiro; and Kondo, Masafumi, 4,807,235, Cl. 372-19.000.
  Suyama, Takahiro; Hayakawa, Toshiro; Takahashi, Kohsei; Kondo, Masafumi; and Yamamoto, Saburo, 4,835,783, Cl. 372-46.000.
  Yamamoto, Osamu; Hayashi, Hiroshi; and Yamamoto, Saburo, 4,803,695, Cl. 372-92.000.
Yamamoto, Shigehiko: *See—*
  Watanabe, Isato; Yamamoto, Shigehiko; Taguchi, Sadanori; and Sasaki, Susumu, 4,855,637, Cl. 313-346.00R.
Yamamoto, Shigehisa; Fujita, Ryuji; Sanada, Kazutoshi; and Horiishi, Nanao, to Toda Kogyo Corporation. Plate-like magnetoplumbite type ferrite particles for magnetic recording and magnetic recording media using the same. 4,828,916, 5-9-89, Cl. 428-329.000.
Yamamoto, Shigeo: *See—*
  Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.
Yamamoto, Shigeru: *See—*
  Kamise, Katsuya; Yamamoto, Shigeru; Hosokai, Tetsushi; and Miyamoto, Koji, 4,856,481, Cl. 123-425.000.
  Kamise, Katsuya; and Yamamoto, Shigeru, 4,858,580, Cl. 123-425.000.
  Saji, Kosaburo; Yamamoto, Shigeru; and Imai, Katsuhiko, 4,887,404, Cl. 52-306.000.
Yamamoto, Shinji: *See—*
  Ichikawa, Kiyoshi; Ishizuka, Satoshi; and Yamamoto, Shinji, 4,865,808, Cl. 428-548.000.
Yamamoto, Shinobu; Okada, Kunihiro; Ohi, Satoshi; Oyama, Shiro; and Takei, Yasuharu, to Sumitomo Chemical Company, Limited. Insecticidal article for electric fumigator. 4,874,787, 10-17-89, Cl. 514-531.125.
Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michikazu; Kotani, Shou; and Yasuda, Sumihiro, to TDK Corporation. PTC heating device. 4,874,924, 10-17-89, Cl. 219-274.000.
Yamamoto, Shintaro: *See—*
  Ikari, Motoo; Yakada, Yuji; Yamamoto, Shintaro; Isoi, Toshimitsu; Shirakura, Kaoru; Satake, Tadashi; Kanbe, Yoshiaki; Ishiguro, Yasuo; Suzuki, Nobuyuki; Kato, Yoshito; and Kawase, Masao, 4,864,147, Cl. 250-560.000.
Yamamoto, Shinya; and Saito, Koichi, to Murata Manufacturing Co., Ltd. Cassette for storing a plurality of electronic component chips. 4,889,229, 12-26-89, Cl. 206-328.000.
Yamamoto, Shinya: *See—*
  Hamuro, Mitsuro; Yamamoto, Shinya; and Saito, Koichi, 4,846,345, Cl. 206-328.000.
Yamamoto, Shirushi: *See—*
  Nakamura, Yoichi; Yamamoto, Shirushi; Komine, Takashi; Yokota, Akira; and Nakane, Hisashi, 4,797,348, Cl. 430-326.000.
Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitomi, Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, to Hitachi Microcomputer Engineering, Ltd. MOS static type RAM having a variable load. 4,876,669, 10-24-89, Cl. 365-189.010.
Yamamoto, Sho: *See—*
  Ikeda, Shuji; Meguro, Satoshi; Nishimura, Kotaro; Yamamoto, Sho; and Tanimura, Nobuyoshi, 4,841,481, Cl. 365-154.000.
  Ikeda, Shuji; Nagasawa, Kouichi; Meguro, Satoshi; and Yamamoto, Sho, 4,890,148, Cl. 357-45.000.

Yamamoto, Shohei; and Kato, Yukito, to Fuji Photo Film Co., Ltd. Offset drift correction method in color film inspection apparatus. 4,802,107, 1-31-89, Cl. 364-525.000.

Yamamoto, Shohei, to Fuji Photo Film Co., Ltd. Photographic printing system. 4,888,612, 12-19-89, Cl. 355-35.000.

Yamamoto, Shoichi, to Fuji Photo Film Co., Ltd. Electrophoresis gel sheet. 4,820,398, 4-11-89, Cl. 204-299.00R.

Yamamoto, Shoji; and Saito, Yuichi, to Ricoh Company, Ltd. PABX-connected facsimile machine. 4,864,602, 9-5-89, Cl. 379-100.000.

Yamamoto, Shosaku; and Kakinuma, Kazuo, to Nippon Oil and Fats Co., Ltd. Primer compositions. 4,830,778, 5-16-89, Cl. 252-511.000.

Yamamoto, Shosaku; Kakinuma, Kazuo; Ishioka, Hiroshi; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, to Nippon Oil and Fats Co., Ltd. Primer compositions. 4,874,818, 10-17-89, Cl. 525-183.000.

Yamamoto, Shosaku; Kakinuma, Kazuo; Sodeyama, Fumio; Mayumi, Junji; and Maruta, Riichiro, to Nippon Oil and Fats Company, Limited. Primer compositions. 4,883,834, 11-28-89, Cl. 524-504.000.

Yamamoto, Shouichi: *See—*

  Ikeda, Kenichi; Yamamoto, Shouichi; and Ito, Hiroki, 4,818,387, Cl. 210-490.000.

Yamamoto, Shuji: *See—*

  Kobayashi, Hiroshi; Yamamoto, Shuji; Sato, Osamu; and Nagahata, Kouji, 4,846,916, Cl. 156-274.600.

Yamamoto, Shunichi: *See—*

  Maeda, Naoyuki; Nii, Akira; Yamamoto, Shunichi; and Uemura, Seiichi, 4,850,836, Cl. 425-72.200.

  Uemura, Seiichi; Sohda, Yoshio; Ido, Yasuji; and Yamamoto, Shunichi, 4,849,200, Cl. 423-447.400.

Yamamoto, Shunji: *See—*

  Ikegami, Kazunori; Okuda, Souitirou; Yamada, Tadatoshi; Yamamoto, Shunji; and Matsuda, Tetsuya, 4,806,871, Cl. 328-235.000.

  Yamada, Tadatoshi; Morita, Masao; Yamamoto, Shunji; Matsuda, Tetsuya; and Iwamoto, Masatami, 4,816,962, Cl. 361-14[illegible].000.

Yamamoto, Shuuichi: *See—*

  Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hiroshi; Yamamura, Michio; and Muramatsu, Shigeru, 4,886,435, Cl. 418-55.000.

Yamamoto, Sohei: *See—*

  Moriyama, Teruko, 4,85[illegible], Cl. 364-401.000.

Yamamoto, Soichiro, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound and further comprising a white pigment. 4,868,087, 9-19-89, Cl. 430-138.000.

Yamamoto, Soichiro, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound in microcapsules separately sensitized. 4,874,684, 10-17-89, Cl. 430-138.000.

Yamamoto, Soichiro, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent and polymerizable compound and containing core/shell grains doped with iridium. 4,883,737, 11-28-89, Cl. 430-138.000.

Yamamoto, Soichiro; and Kawata, Ken, to Fuji Photo Film Co., Ltd. Light-sensitive material containing silver halide, reducing agent, polymerizable compound and a decolorizable dye. 4,885,224, 12-5-89, Cl. 430-138.000.

Yamamoto, Souichi: *See—*

  Takata, Masakazu; Ueda, Takamasa; Ito, Kimiyuki; Hirashima, Suneaki; Yamamoto, Souichi; Ishino, Yoshio; and Ohno, Toshinobu, 4,871,633, Cl. 430-58.000.

Yamamoto, Sumio: *See—*

  Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, 4,849,368, Cl. 437-41.000.

Yamamoto, Susumu; and Mori, Akinori, to Sumitomo Electric Industries, Ltd. High-strength conductors and process for manufacturing same. 4,810,593, 3-7-89, Cl. 428-677.000.

Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; Nawamaki, Tsutomu; and Hattori, Kenji, to Nissan Chemical Industries, Ltd. Imidazolesulfonamide derivatives and herbicides. 4,830,660, 5-16-89, Cl. 71-92.000.

Yamamoto, Susumu; and Aoki, Yoshimitsu, to Sumitomo Electric Industries, Ltd. Cut wire for electrical discharge machining. 4,837,416, 6-6-89, Cl. 219-69.120.

Yamamoto, Susumu; Takuya, Kakuta; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takasi; Nawamaki, Tsutomu; and Hattori, Kenji, to Nissan Chemical Industries, Ltd. Pyrazolesulfonamide derivative, and herbicide containing it. 4,844,728, 7-4-89, Cl. 71-92.000.

Yamamoto, Susumu; Kakuta, Takuya; Sato, Toshiaki; Morimoto, Katsushi; Oya, Eiichi; Ikai, Takashi; and Nawamaki, Tsutomu, to Nissan Chemical Industries, Ltd. Wheat growing process utilizing selective herebicide. 4,881,965, 11-21-89, Cl. 71-92.000.

Yamamoto, Syozi: *See—*

  Shidahara, Hitoshi; and Yamamoto, Syozi, 4,863,547, Cl. 156-345.000.

Yamamoto, Tadahisa: *See—*

  Nakamura, Katsumi; and Yamamoto, Tadahisa, 4,853,271, Cl. 428-81.000.

Yamamoto, Tadanobu, to Mazda Motor Corporation. Vehicle suspension system. 4,852,904, 8-1-89, Cl. 280-701.000.

Yamamoto, Tadanobu, to Mazda Motor Corporation. Vehicle suspension system. 4,865,350, 9-12-89, Cl. 280-716.000.

Yamamoto, Tadanobu: *See—*

  Tomosada, Kenji; Kondo, Toshiro; Yamamoto, Tadanobu; and Hashino, Hiroshi, 4,875,704, Cl. 280-695.000.

Yamamoto, Tadashi; and Suzuki, Michiyuki, to Ube Industries, Ltd. Casting method in high-pressure casting. 4,799,531, 1-24-89, Cl. 164-120.000.

Yamamoto, Tadashi, to Sony Corporation. Automatic telephone answering system using a single single-tone signal for various operations. 4,852,150, 7-25-89, Cl. 379-79.000.

Yamamoto, Tadashi: *See—*

  Harada, Toshiaki; and Yamamoto, Tadashi, 4,888,635, Cl. 358-75.000.

  Kageyama, Shuhei; Yamamoto, Tadashi; and Ebinuma, Tadayoshi, 4,856,693, Cl. 226-127.000.

  Shiraki, Kouji; Niwa, Minoru; Itou, Kuniyasu; Yamamoto, Tadashi; and Harata, Mitsuru, 4,852,907, Cl. 280-731.000.

  Wataya, Masafumi; Sato, Yukio; Ishida, Yoshihiro; and Yamamoto, Tadashi, 4,887,095, Cl. 346-76.0PH.

Yamamoto, Taizo; Konishi, Hirokazu; Kawaguchi, Yoshihisa; and Ohnishi, Yoshizumi, to Nippon Elanco Kabushiki Kaisha. Method and apparatus for controlling a capsule filling machine. 4,811,802, 3-14-89, Cl. 177-1.000.

Yamamoto, Taizo; and Konishi, Hirokazu, to Nippon Elanco Kabushiki Kaisha. Apparatus for filling granular substance into hard gelatin capsules. 4,884,602, 12-5-89, Cl. 141-242.000.

Yamamoto, Taizo: *See—*

  Kobayashi, Teiji; Tomishima, Yoshio; Yamamoto, Taizo; and Nojima, Yasuhiro, 4,849,482, Cl. 526-78.000.

Yamamoto, Takaharu: *See—*

  Murayama, Minoru; Yamamoto, Takaharu; and Hashimoto, Takeji, 4,825,555, Cl. 33-1.00M.

Yamamoto, Takami: *See—*

  Hibino, Eiichi; Kawakita, Kiyoshi; Yamamoto, Takami; Kinoshita, Kazunori; and Takase, Shigeki, 4,841,414, Cl. 361-424.000.

Yamamoto, Takashi; Shimada, Katsuhiko; Murata, Ryuji; Tahara, Yasuteru; Terada, Hiromu; and Sakunaga, Kenichi, to Mitsubishi Rayon Co., Ltd. Plastic optical fiber and process for producing the same. 4,798,445, 1-17-89, Cl. 350-96.340.

Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, to Mitsubishi Rayon Co., Ltd. Plastic optical transmission medium, process for producing the same and array of lenses using the same. 4,799,761, 1-24-89, Cl. 350-96.310.

Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, to Mitsubishi Rayon Co., Ltd. Optical transmission medium and process for producing the same based on vinylidene flouride polymers and metharylate polymers. 4,822,122, 4-18-89, Cl. 350-96.310.

Yamamoto, Takashi; Mishina, Yoshihiko; and Oda, Masaaki, to Mitsubishi Rayon Co., Ltd. Graded index lens array. 4,852,982, 8-1-89, Cl. 350-413.000.

Yamamoto, Takashi: *See—*

  Kawaski, Shoji; Sato, Hisatomo; Shin, Masaaki; and Yamamoto, Takashi, 4,849,316, Cl. 435-106.600.

  Kohayakawa, Hirokazu; Hirahara, Takuho; and Yamamoto, Takashi, 4,826,409, Cl. 418-63.000.

  Kondo, Katsumi; Tsuchiya, Yasuhiro; Yamazawa, Yasushi; Terada, Masaki; Aoki, Tosio; Niimi, Takatsune; Yamamoto, Takashi; and Matsuba, Kunihiro, 4,849,037, Cl. 156-166.000.

  Ohya, Kanji; Tsunooka, Tsutomu; Ogura, Koji; Ozeki, Hirofumi; and Yamamoto, Takashi, 4,874,727, Cl. 501-134.000.

  Okai, Toshihiro; Okumura, Yoshiaki; Oda, Mitsuyuki; Yamamoto, Takashi; and Kuwajima, Teruaki, 4,885,032, Cl. 75-251.000.

  Ozawa, Yoshio; Yamamoto, Takashi; Shigaki, Takao; and Kaneko, Rokusaburo, 4,876,568, Cl. 355-56.000.

Yamamoto, Takasi: *See—*

  Akae, Yoshifumi; Yamamoto, Takasi; Arima, Koji; and Yagi, Tetsuo, 4,871,936, Cl. 310-233.000.

Yamamoto, Takemi; Sakakibara, Kenji; and Ueda, Masashi, to Brother Kogyo Kabushiki Kaisha. Imaging device. 4,806,982, 2-21-89, Cl. 355-27.000.

Yamamoto, Takemi; Makino, Kuniyasu; and Suzuki, Makoto, to Brother Kogyo Kabushiki Kaisha. Device for forming an image with a laser beam. 4,824,220, 4-25-89, Cl. 350-354.000.

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Yamamoto, Takemi; Komiya, Ryohei; Hatta, Naoyuki; Matsumoto, Yumio; and Sunda, Fumihiro, to Brother Kogyo Kabushiki Kaisha. Copying apparatus. 4,870,444, 9-26-89, Cl. 355-1.000.

Yamamoto, Takemi; and Sakakibara, Kenji, to Brother Kogyo Kabushiki Kaisha. Image recording apparatus. 4,879,579, 11-7-89, Cl. 355-235.000.

Yamamoto, Takemi: *See—*

  Hatta, Naoyuki; Yoshihara, Hide[illegible]; Izaki, Takeshi; Sawada, Akihiro; Yamamoto, Takemi; and Sangyoji, Kazuo, 4,797,107, Cl. 434-408.000.

  Miyabayashi, Takeshi; and Yamamoto, Takemi, 4,802,050, Cl. 360-135.000.

  Nakai, Hitoshi; Yamamoto, Takemi; Sakai, Jun; and Fujii, Eiji, 4,825,256, Cl. 355-27.000.

  Sangyoji, Kazuo; Yamamoto, Takemi; Okamoto, Tsugio; Hatta, Naoyuki; Asano, Yuji; Sakakibara, Kenji; Nakai, Hitoshi; Akao, Michitoshi; Sakai, Jun; and Matsumoto, Yumio, 4,810,614, Cl. 430-138.000.

  Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, 4,814,808, Cl. 354-304.000.

Yamamoto, Takeshi; Sasa, Nobumasa; and Nakano, Miegi, to Konishiroku Photo Industry Co., Ltd. Light-sensitive composition for positive-type light-sensitive lithographic printing plates. 4,797,346, 1-10-89, Cl. 430-192.000.

Yamamoto, Takeshi; and Nakatsuka, Masanori, to Mitsubishi Denki Kabushiki Kaisha. Molded resin semiconductor device. 4,849,803, 7-18-89, Cl. 357-72.000.

Yamamoto, Takeshi, to Mazda Motor Corporation. Power-driven cowl for an automotive vehicle. 4,874,199, 10-17-89, Cl. 29[illegible]-192.000.

Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, to Gunze Kabushiki Kaisha. Film for print laminates and thermocompression bonding process therefor. 4,876,139, 10-24-89, Cl. 428-200.000.

Yamamoto, Takeshi; and Arai, Masanori, to Mitutoyo Corporation. Inner diameter measuring machine. 4,885,845, 12-12-89, Cl. 33-544.500.

Yamamoto, Takeshi: *See—*

  Fukutomi, Hisao; Tuchiya, Takanori; Yamamoto, Takeshi; Konishi, Takeshi; and Hamasaki, Iseo, 4,796,943, Cl. 296-65.[illegible].

  Hashida, Kenji; Yamamoto, Takeshi; Fukumoto, Tetsuya; Deguchi, Tetsuji; Hirata, Shigeyuki; Uehara, Osamu; and Akebi, Kazuhiko, 4,861,409, Cl. 156-308.200.

  Hashimoto, Masanori; Yamamoto, Takeshi; Kawachi, Toru; Kuwashima, Junji; and Kitaoka, Hirokazu, 4,885,168, Cl. 424-95.000.

  Katoh, Hideyuki; Tanaka, Nobutaka; Yamamoto, Takeshi; Konishi, Takeshi; and Umeda, Morio, 4,831,710, Cl. 29-434.000.

  Matsuda, Hiroyuki; and Yamamoto, Takeshi, 4,888,323, Cl. 512-23.000.

  Nomura, Syosuke; Kajimoto, Shinshi; Okazaki, Susumu; and Yamamoto, Takeshi, 4,867,501, Cl. 296-146.000.

  Tanaka, Takahiko; Hisanaga, Naogi; Yamamoto, Takeshi; Okazaki, Susumu; and Kajimoto, Shinshi, 4,852,205, Cl. 15-250.170.

Yamamoto, Takushi: *See—*

  Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,863,[illegible]89, Cl. 524-419.000.

  Obayashi, Shigeji; Nakamura, Morio; Yamamoto, Takushi; Tanaka, Hitoshi; and Sakamoto, Yuji, 4,8[illegible]0,888, Cl. 526-209.000.

Yamamoto, Tatsuya: *See—*

  Yanase, Motoaki; and Yamamoto, Tatsuya, 4,822,272, Cl. 425-328.000.

Yamamoto, Tetsu: *See—*

  Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, 4,819,110, Cl. 360-106.000.

  Okada, Sadao; Yamamoto, Tetsu; and Yumura, Takashi, 4,819,109, Cl. 360-106.000.

  Ueda, Takaharu; Yumura, Takashi; Funai, Kiyosi; and Yamamoto, Tetsu, 4,819,106, Cl. 360-106.000.

  Ueda, Takaharu; Yumura, Takashi; Yamamoto, Tetsu; and Funai, Kiyosi, 4,823,219, Cl. 360-106.000.

  Yumura, Takashi; and Yamamoto, Tetsu, 4,862,441, Cl. 369-45.000.

Yamamoto, Tetsuji: *See—*

  Ochi, Hiroshi; Tetsutani, Nobuji; Yamamoto, Tetsuji; and Nobuta, Hiroshi, 4,805,135, Cl. 364-900.000.

Yamamoto, Tetsuo; Hayashi, Hiroshi; Muta, Tenshiro; Hori, Yoshisada; and Kubo, Katsushi, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Pressure sensor element. 4,842,957, 6-27-89, Cl. 428-622.000.

Yamamoto, Tetsuya: *See—*

  Kimura, Keita, Takatsu, Norihiko; and Yamamoto, Tetsuya, 4,890,166, Cl. 358-228.000.

Yamamoto, Tohru. Aromatic composition and method for the production of the same. 4,880,851, 11-14-89, Cl. 523-102.000.

Yamamoto, Tohru. Composite substance and a method for the production of the same. 4,889,876, 12-26-89, Cl. 522-135.000.

Yamamoto, Tohru: *See—*

  Ichinose, Kiyohiro; Toyama, Niichi; Yamamoto, Tohru; Kikuchi, Eiji; and Fukuda, Masao, 4,830,882, Cl. 427-421.000.

Yamamoto, Tokuo; Brown, Michael; Torri, Tsuyoshi; and Berman, Alan, to University of Miami. Bottom shear modulus profiler. 4,807,199, 2-21-89, Cl. 367-15.000.

Yamamoto, Tomoyuki: *See—*

  Ohtsuka, Takenori; Honda, Yasuo; Sunada, Tomohiro; Kawasako, Yasuhiro; and Yamamoto, Tomoyuki, 4,848,280, Cl. 123-52.0MC.

Yamamoto, Toshifumi: *See—*

  Minowa, Takehiko; and Yamamoto, Toshifumi, 4,873,536, Cl. 346-76.0PH.

Yamamoto, Toshihiko: *See—*

  Oishi, Takeshi; Nakanishi, Fumio; and Yamamoto, Toshihiko, 4,808,189, Cl. 8-408.000.

Yamamoto, Toshihiro, to Nissau Motor Co., Ltd. Transportation device for commercial and industrial use. 4,801,237, 1-31-89, Cl. 414-428.000.

Yamamoto, Toshihiro: *See—*

  Uemura, Daisuke; Yamamoto, Toshihiro; Watanabe, Takeshi; Okanishi, Masanori; and Hirata, Yoshimasa, 4,835,176, Cl. 514-456.000.

Yamamoto, Toshimasa: *See—*

  Kagami, Yukio; and Yamamoto, Toshimasa, 4,834,208, Cl. 180-268.000.

Yamamoto, Toshiro: *See—*

  Marugama, Kazuo; Horie, Kiyoshi; Noami, Tsuneo; Yamamoto, Toshiro; Adachi, Koji; Okamoto, Toru; Sumikawa, Takeshi; and Nobumasa, Furuya, 4,882,247, Cl. 430-45.000.

Yamamoto, Toshirou: *See—*

  Furuya, Nobumasa; Maruyama, Kazuo; Noami, Tsuneo; Sumikawa, Takeshi; Yamamoto, Toshirou; Adachi, Kouji; and Horie, Kiyoshi, 4,833,505, Cl. 355-326.000.

Yamamoto, Toshiyuki: *See—*

  Kanai, Kunio; and Yamamoto, Toshiyuki, 4,860,044, Cl. 354-321.000.

Yamamoto, Tsuneo: *See—*

  Noguchi, Takehiko; Takeoka, Yoshiki; and Yamamoto, Tsuneo, 4,832,772, Cl. 156-153.000.

  Nojiri, Hitoshi; Kitai, Katuhiro; Ohnari, Yoshihide; Kidoh, Masaro; and Yamamoto, Tsuneo, 4,808,468, Cl. 428-220.000.

Yamamoto, Tsutomu, to United States of America, Air Force. Hose reel monitor for inflight refueling system. 4,796,838, 1-10-89, Cl. 244-135.00A.

Yamamoto, Tsutomu: *See—*

  Kanbara, Kouji; Kikuchi, Kenichi; Shimizu, Yoshihito; Hattori, Shinichiro; Tojo, Yoshikazu; Hasegawa, Akira; Yamaguchi, Tatsuya; Tsukaya, Takashi; Kobayashi, Kazunari; Murata, Masanao; Yamamoto, Tsutomu; and Nakamura, Takeaki, 4,870,950, Cl. 128-6.000.

  Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Yamamoto, Yasuaki; Tsukada, Hiroaki; Sorimachi, Masami; and Hori, Akihiro, to Hitachi Cable Ltd. Flame retardant electrical insulating composition having antifungal action. 4,871,787, 10-3-89, Cl. 523-122.000.

Yamamoto, Yasuhiro; and Endo, Makoto, to Canon Kabushiki Kaisha. Image projection apparatus. 4,830,484, 5-16-89, Cl. 353-25.000.

Yamamoto, Yasuhiro, to Honda Giken Kogyo Kabushiki Kaisha. Method for assembling associated components. 4,875,273, 10-24-89, Cl. 29-467.000.

Yamamoto, Yasuhiro; Miwa, Teiji; and Ajima, Tadashi, to Honda Giken Kogyo Kabushiki Kaisha. Method and apparatus for assembling an instrument panel in an automobile. 4,876,786, 10-31-89, Cl. 29-429.000.

Yamamoto, Yasunori; and Nishimura, Eiji, to Nippon Mining Co., Ltd. High-strength, easily-castable zinc alloys. 4,863,686, 9-5-89, Cl. 420-516.000.

Yamamoto, Yasunori: *See—*

  Yamaguchi, Kazufumi; Murata, Takahiko; and Yamamoto, Yasunori, 4,845,567, Cl. 358-213.290.

Yamamoto, Yasuo; Inaba, Akira; and Kitagaki, Takashi, to Du Pont de Nemours, E. I., and Company. Conductive paste composition. 4,859,364, 8-22-89, Cl. 252-512.000.

Yamamoto, Yasushi, to NEC Corporation. Acoustic surface wave multimode filter comprising a bus bar which is thicker than acoustic surface wave resonators. 4,810,920, 3-7-89, Cl. 310-313.00D.

Yamamoto, Yasushi: *See—*

  Takago, Toshio; Yamamoto, Yasushi; and Yamaguchi, Kouichi, 4,804,709, Cl. 525-102.000.

  Takago, Toshio; and Yamamoto, Yasushi, 4,880,927, Cl. 544-193.000.

Yamamoto, Yasuyoshi; Ohashi, Masashi; Shiratori, Tatsuya; Koike, Michiro; Kubota, Atsushi; Sasaki, Nobukazu; Kimura, Akiyoshi; Ozawa, Takashi; Kasamura, Toshirou; and Kusumoto, Toshihiko, to Canon Kabushiki Kaisha. Image forming apparatus. 4,823,159, 4-18-89, Cl. 355-3.0SH.

Yamamoto, Yasuyoshi: *See—*

  Koike, Michiro; Ozawa, Takashi; Yamamoto, Yasuyoshi; Ohashi, Masashi; Kimura, Akiyoshi; Sasaki, Nobukazu; Kasamura, Toshirou; Kubota, Atsushi; Shiratori, Tatsuya; and Kusumoto, Toshihiko, 4,799,084, Cl. 355-14.0SH.

  Kubota, Atsushi; Sasaki, Nobukazu; Kasamura, Toshirou; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,812,874, Cl. 355-[illegible]7.000.

  Sasaki, Nobukazu; Kasamura, Toshiro; Kubota, Atsushi; Kusumoto, Toshihiko; Shiratori, Tatsuya; Ozawa, Takashi; Yamamoto, Yasuyoshi; Koike, Michiro; Ohashi, Masashi; and Kimura, Akiyoshi, 4,829,341, Cl. 355-75.000.

  Sasaki, Nobukazu; Kasamura, Toshirou; Ohashi, Masashi; Okuda, Naoki; Kusumoto, Toshihiko; Maeda, Yasunori; Ozawa, Takashi; Yamamoto, Yasuyoshi; Kubota, Atsushi; Kimura, Akiyoshi; and Masuda, Makoto, 4,873,547, Cl. 355-316.000.

Yamamoto, Yoichi; Fujii, Hironori; and Oichi, Toshio, to Sharp Kabushiki Kaisha; and Sugai Chemical Industry Co., Ltd. Thermosensitive recording material. 4,824,822, 4-25-89, Cl. 503-201.000.

Yamamoto, Yoichi; Takehara, Toshio; Fujii, Hironori; Uhara, Koji; and Tanaka, Hirofumi, to Sharp Kabushiki Kaisha; and Sugai Chemical Ind. Co., Ltd. Heat sensitive paper. 4,870,049, 9-26-89, Cl. 503-217.000.

Yamamoto, Yojiro, to Cosmo Oil Company, Ltd.; and Iatron Laboratories, Inc. Thin-layer rod for chromatography. 4,828,704, 5-9-89, Cl. 210-635.000.

Yamamoto, Yoko: *See—*

  Kaneko, Tadashi; Shirose, Meizo; and Yamamoto, Yoko, 4,885,222, Cl. 430-102.000.

Yamamoto, Yorihisa: *See—*
- Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.

Yamamoto, Yoshiaki: *See—*
- Fujita, Yoshitada; Hanada, Sadashi; and Yamamoto, Yoshiaki, 4,884,938, Cl. 414-541.000.
- Morishita, Masataka; Aikawa, Renji; Katsuragi, Shigeo; Yamamoto, Yoshiaki; and Sugimoto, Kenichi, 4,873,087, Cl. 424-433.000.

Yamamoto, Yoshiharu; and Kimura, Yuichi, to Matsushita Electric Industrial Co., Ltd. Light scanning system. 4,850,663, 7-25-89, Cl. 350-6.800.

Yamamoto, Yoshiharu: *See—*
- Murao, Tsugio; Yamamoto, Yoshiharu; Ikeda, Kenichi; Nagaoka, Yoshitomi; and Nakajima, Yasuo, 4,810,076, Cl. 350-448.000.

Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Yoshizawa, Toru; Kawano, Toshihiko; and Iwai, Hiroyuki, to Daikin Industries Ltd. 5-fluorouracil derivatives useful as carcinostatic substances. 4,810,790, 3-7-89, Cl. 544-311.000.

Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, to Sony Corporation. Filter adjustment apparatus and method. 4,812,773, 3-14-89, Cl. 328-167.000.

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Yamamoto, Yoshihiro; Kume, Tsutomu; Yamazaki, Nobuo; Hashimoto, Fumiharu; and Ohya, Koichi, to Sony Corporation. Filter circuit. 4,859,881, 8-22-89, Cl. 307-520.000.

Yamamoto, Yoshihisa; and Kagiyama, Yasuhiro, to Tokuyama Soda Kabushiki Kaisha. Method of double decomposition of neutral salt. 4,806,219, 2-21-89, Cl. 204-182.400.

Yamamoto, Yoshihisa; and Sarumaru, Masahiko, to Dainippon Screen Mfg. Co., Ltd. Method of and apparatus for tint generation and color separation over closed regioons of an image including generation of run-length color data. 4,847,689, 7-11-89, Cl. 358-80.000.

Yamamoto, Yoshihisa, to Nippondenso Co., Ltd. Fuel injection valve used in fuel injection apparatus for internal combustion engine. 4,852,808, 8-1-89, Cl. 239-533.300.

Yamamoto, Yoshimi, to Fujikiko Kabushiki Kaisha. Attachment structure of a steering column. 4,884,778, 12-5-89, Cl. 248-548.000.

Yamamoto, Yoshinori: *See—*
- Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,843,510, Cl. 360-132.000.
- Meguro, Hiroshi; Yamamoto, Yoshinori; Ohyama, Masao; Horikawa, Kenichi; Mizusawa, Shigeru; and Kawakami, Kenji, 4,881,137, Cl. 360-96.500.
- Ohyama, Masao; Yamamoto, Yoshinori; Horikawa, Kenichi; and Kawakami, Kenji, 4,816,953, Cl. 360-132.000.
- Sumiya, Kenji; Yamamoto, Yoshinori; Aoyama, Shigeo; and Takeuchi, Yoji, 4,830,923, Cl. 428-425.900.

Yamamoto, Yoshio; Kikuchi, Syuichi; Nakanishi, Kazuo; and Kawasaki, Yoshihiko, to Murata Kikai Kabushiki Kaisha. Bobbin transporting system. 4,843,811, 7-4-89, Cl. 57-281.000.

Yamamoto, Yoshio: *See—*
- Nakagawa, Kaoru; Yamamoto, Yoshio; and Matsuoka, Nobutaka, 4,888,304, Cl. 437-86.000.

Yamamoto, Yoshiro: *See—*
- Saito, Kiyoshi; Yamamoto, Yoshiro; and Sakuragi, Takeo, 4,838,383, Cl. 186-59.000.

Yamamoto, Yuichi: *See—*
- Aoyagi, Juuro; Yamamoto, Yuichi; Akaike, Toshihiro; and Nozaki, Yasuhiro, 4,836,928, Cl. 210-635.000.
- Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
- Naoi, Akira; and Yamamoto, Yuichi, 4,814,911, Cl. 360-85.000.

Yamamoto, Yuji, to Noritsu Kenkyu Center Co., Ltd. Device for feeding photosensitive material. 4,798,375, 1-17-89, Cl. 271-82.000.

Yamamoto, Yuji: *See—*
- Kozuka, Tadashi; Ozaku, Minoru; Yamamoto, Yuji; and Ando, Yoichi, 4,843,986, Cl. 112-163.000.
- Tsuda, Yusuke; Kurata, Takashi; Suzuki, Yoshinobu; and Yamamoto, Yuji, 4,877,835, Cl. 525-67.000.

Yamamoto, Yujiro; Terayama, Hideo; and Morita, Yasushi, to Senju Pharmaceutical Co., Ltd. Aqueous preparation and method of preparation thereof. 4,822,823, 4-18-89, Cl. 514-690.000.

Yamamoto, Yujiro; Ogawa, Takahiro; and Kuribayashi, Yoshikazu, to Senju Pharmaceutical Co., Ltd. Intraocular pressure lowering composition for topical use. 4,826,879, 5-2-89, Cl. 514-657.000.

Yamamoto, Yujiro. Illumination control methods and means. 4,879,495, 11-7-89, Cl. 315-362.000.

Yamamoto, Yukio, to Nissan Motor Company, Limited. Power supply circuit for automotive headlamp. 4,857,754, 8-15-89, Cl. 307-10.800.

Yamamoto, Yukio: *See—*
- Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,868,364, Cl. 219-110.000.
- Kawano, Hitoshi; Hayashi, Mitsuhiro; Yamamoto, Yukio; and Ban, Kunikatsu, 4,879,445, Cl. 219-64.000.
- Yamaguchi, Yasunori; Yoshida, Akirahiko; Nei, Masami; Ishihara, Masamichi; and Yamamoto, Yukio, 4,858,190, Cl. 365-189.050.

Yamamoto, Yushin: *See—*
- Kawabata, Takao; Miyashita, Takeshi; and Yamamoto, Yushin, 4,823,251, Cl. 363-95.000.
- Sashida, Nobuo; and Yamamoto, Yushin, 4,803,611, Cl. 363-98.000.

Yamamoto, Yutaka: *See—*
- Katsumoto, Kenichi; Isoda, Shigeo; Yuuki, Takahiro; Koike, Shiro; Yamamoto, Yutaka; Motonishi, Suguru; Kawaguchi, Tadashi; Gotoh, Tetsuya; and Horiguchi, Shiro, 4,839,005, Cl. 204-129.460.

Yamamoto, Yuuichi; Nakamura, Tadaaki; Murai, Takashi; and Hijikata, Akemi, to Mitsubishi Denki Kabushiki Kaisha. Heat insulating support device for cryogenic equipment. 4,838,033, 6-13-89, Cl. 62-45.100.

Yamamoto, Yuzo; Nagamori, Hiroyuki; and Kitazawa, Kozo, to Kao Corporation. Electroplated composite of zinc and organic polymer. 4,797,183, 1-10-89, Cl. 204-15.000.

Yamamoto, Yuzo: *See—*
- Takato, Kenji; Kinoshita, Kazumi; Tojo, Toshiro; and Yamamoto, Yuzo, 4,827,503, Cl. 379-373.000.
- Tojo, Toshiro; Takato, Kenji; Kinoshita, Kazumi; and Yamamoto, Yuzo, 4,862,305, Cl. 361-56.000.

Yamamura, Akihiko: *See—*
- Hara, Akio; and Yamamura, Akihiko, 4,861,673, Cl. 428-469.000.

Yamamura, Akira: *See—*
- Takehara, Isamu; Yamamura, Akira; Osawa, Tsutomu; and Oki, Shigaru, 4,847,526, Cl. 310-185.000.

Yamamura Chemical Laboratories, Co., Ltd.: *See—*
- Yamamura, Ryuji; Tsuboi, Mikio; Kitagawa, Keishi; and Abe, Masaru, 4,828,695, Cl. 210-198.200.

Yamamura, Hirohisa: *See—*
- Kimura, Hiroshi; Naito, Shoiaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.
- Marumoto, Katsuji; Tahara, Kazuo; Ishikura, Hisatugu; Yamamura, Hirohisa; Tatsuzaki, Toru; Abukawa, Toshimi; Koterazawa, Toshiyuki; Honbu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; and Ohmae, Tsutomu, 4,865,148, Cl. 180-141.000.

Yamamura, Hiroshi: *See—*
- Kasai, Kiyoshi; Sakai, Naomichi; Oikawa, Tomoyuki; Uchino, Kenji; Tsukidate, Takaaki; Asakura, Hiroshi; Yamamura, Hiroshi; and Nagata, Hiroya, 4,862,029, Cl. 310-311.000.

Yamamura, Hiroshisa: *See—*
- Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Yamamura, Kazuyoshi: *See—*
- Nakade, Toshiyuki; Nakanishi, Tsugio; Muraoka, Toshinori; Fukuoka, Noboru; Nagao, Tsuyoshi; Endoo, Hideki; Yamamura, Kazuyoshi; Sugishima, Yoshio; and Yamaguchi, Katsuhide, 4,821,070, Cl. 355-14.00R.

Yamamura, Keiji: *See—*
- Rai, Akiteru; Yamamura, Keiji; and Nukii, Takashi, 4,818,728, Cl. 437-209.000.
- Yoshida, Hirokazu; Nakatani, Hiroshi; and Yamamura, Keiji, 4,806,503, Cl. 437-206.000.

Yamamura, Masaaki; Inokoshi, Junichi; Ito, Tetuo; Furuta, Kazumitsu; and Shimizu, Kazuo, to Kao Corporation. Cloth-softening liquid composition containing quaternary ammonium compound and a polyether derivative or cationic surfactant polymer. 4,885,102, 12-5-89, Cl. 252-8.800.

Yamamura, Michio: *See—*
- Sato, Yasuhiko; Yamada, Koichiro; Nomura, Sumihiro; Ishida, Ryuichi; and Yamamura, Michio, 4,839,360, Cl. 514-252.000.
- Sawai, Kiyoshi; Yamamoto, Shuuichi; Morokoshi, Hiroshi; Yamamura, Michio; and Muramatsu, Shigeru, 4,886,435, Cl. 418-55.000.

Yamamura, Naoki, to Kabushiki Kaisha Toyoda Jidoshokki Seisakusho. Displacement detecting mechanism for hydraulic circuit of fork lift. 4,817,760, 4-4-89, Cl. 187-9.00R.

Yamamura, Ryuji; Tsuboi, Mikio; Kitagawa, Keishi; and Abe, Masaru, to Yamamura Chemical Laboratories, Co., Ltd. Packaging material for high pressure liquid chromatography and method of making the same. 4,828,695, 5-9-89, Cl. 210-198.200.

Yamamura, Shinichi: *See—*
- Kobayashi, Shoei; Wada, Takuya; and Yamamura, Shinichi, 4,852,101, Cl. 371-40.000.
- Sako, Yoichiro; Yamamura, Shinichi; and Yamagami, Tamotsu, 4,819,236, Cl. 371-38.000.
- Sako, Yoichiro; Yamagami, Tamotsu; and Yamamura, Shinichi, 4,829,497, Cl. 369-50.000.
- Sako, Yoichiro; and Yamamura, Shinichi, 4,881,232, Cl. 371-37.400.

Yamamura, Sigeyuki; and Nakamura, Yasuhide, to Sharp Kabushiki Kaisha. Elecetronic cash register. 4,853,853, 8-1-89, Cl. 364-405.000.

Yamamura, Sigeyuki: *See—*
- Nakamura, Yasuhide; and Yamamura, Sigeyuki, 4,887,210, Cl. 364-405.000.

Yamamura, Takeshi: *See—*
- Yamashita, Hiroya; Yamamura, Takeshi; and Yoshimoto, Kazutoshi, 4,801,368, Cl. 204-293.000.

Yamamura, Yukio: *See—*
- Ogawa, Masao; Ito, Noboru; and Yamamura, Yukio, 4,856,443, Cl. 112-241.000.

Yamamuro, Mikio, to Kabushiki Kaisha Toshiba. Current-voltage converter circuit. 4,877,953, 10-31-89, Cl. 250-214.00R.

Yamamuro, Shinichi: *See—*
- Muramatsu, Tadao; Hoshino, Shigeru; Suzuki, Kenichi; and Yamamuro, Shinichi, 4,884,468, Cl. 74-502.400.
- Yamamoto, Kazuo; Ono, Katsuyasu; and Yamamuro, Shinichi, 4,840,402, Cl. 280-804.000.

Yamamuro, Sigeaki; and Kumura, Haruyoshi, to Nissan Motor Co., Ltd. Pulley actuating hydraulic pressure control for continuously variable transmission. 4,819,514, 4-11-89, Cl. 74-868.000.

Yamamuro, Takahiko: *See—*
- Morita, Shunji; Yamamuro, Takahiko; and Fukushima, Nobuo, 4,835,530, Cl. 340-732.000.

Yamamuro, Tetsu; and Ueda, Yutaka, to Ricoh Company, Ltd. Optical information recording medium. 4,865,949, 9-12-89, Cl. 430-272.000.

Yamana, Keiichi; Iinai, Masaru; and Ohtsuka, Shuichi, to Fuji Photo Film Co., Ltd. Method of developing image on electrophotographic film. 4,873,545, 10-10-89, Cl. 355-256.000.

Yamana, Keiichi: *See—*
- Watanabe, Izumi; and Yamana, Keiichi, 4,834,315, Cl. 242-199.000.
- Watanabe, Izumi; and Yamana, Keiichi, 4,889,296, Cl. 242-199.000.

Yamana, Tohru; Nakayama, Kiyoshi; and Sato, Kazuhiko, to Murakami Kaimeido Co.; and Omron Tateisi Electronics Co. Control system for foldable outside rearview mirror. 4,798,967, 1-17-89, Cl. 307-10.00R.

Yamana, Tohru: *See—*
- Toshiaki, Kikuchi; Mochizuki, Toshihiro; Ito, Yasutoshi; and Yamana, Tohru, 4,877,214, Cl. 248-483.000.

Yamanaga, Junichi; Gunji, Keiichiro; Narita, Yousuke; Nagasawa, Toshiaki; and Kawabata, Yoshifumi, to Honda Giken Kogyo Kabushiki Kaisha. Phase adjusting apparatus in assembling machine. 4,794,690, 1-3-89, Cl. 29-709.000.

Yamanaka, Akira; and Yamazaki, Keiji, to Minolta Camera Kabushiki Kaisha. Battery compartment. 4,853,302, 8-1-89, Cl. 429-99.000.

Yamanaka, Akira: *See—*
- Tominaga, Shinji; Yamamoto, Kouji; and Yamanaka, Akira, 4,857,946, Cl. 354-173.100.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,814,813, Cl. 354-418.000.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,841,318, Cl. 354-173.100.
- Yamamoto, Kouji; Tominaga, Shinji; Yamanaka, Akira; Ueda, Hiroshi; Taniguchi, Nobuyuki; Nakamura, Ikushi; and Iwata, Michihiro, 4,849,779, Cl. 354-173.110.
- Yamazaki, Noboru; Yamanaka, Akira; and Kurata, Shigeaki, 4,826,893, Cl. 523-115.000.

Yamanaka, Atsuko, to Kabushiki Kaisha Yamanakaya. Elapsed time recorder. 4,831,388, 5-16-89, Cl. 346-95.000.

Yamanaka, Chiyoe: *See—*
- Mochizuki, Takayasu; and Yamanaka, Chiyoe, 4,866,517, Cl. 378-119.000.

Yamanaka, Fumie; Enomoto, Takashi; and Yoshioka, Toshifumi, to Canon Kabushiki Kaisha. Device plate having conductive films selected to prevent pin-holes. 4,859,036, 8-22-89, Cl. 350-336.000.

Yamanaka, Fusao; Nagao, Makoto; and Nahara, Akira, to Fuji Photo Film Co., Ltd. Apparatus for producing magnetic recording medium. 4,867,101, 9-19-89, Cl. 118-718.000.

Yamanaka, Fusao: *See—*
- Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,865,878, Cl. 427-131.000.
- Nagao, Makoto; Yamanaka, Fusao; and Nahara, Akira, 4,868,070, Cl. 428-626.000.
- Nagao, Makoto; Sano, Kunihiko; Yamanaka, Fusao; and Nahara, Akira, 4,869,797, Cl. 204-192.160.

Yamanaka, Haruo: *See—*
- Hamada, Yasunori; Noda, Kousuke; Oizumi, Junichi; Terayama, Takao; Hayama, Toru; and Yamanaka, Haruo, 4,864,108, Cl. 235-379.000.

Yamanaka, Hidetoshi: *See—*
- Yoshida, Masaru; Asano, Masaharu; Kaetsu, Isao; Nakai, Katsuyuki; Yamanaka, Hidetoshi; Shida, Keizo; and Shiraishi, Akira, 4,800,085, Cl. 424-462.000.

Yamanaka, Hiroshi: *See—*
- Hano, Sunao; Fukushima, Naoto; Fukunaga, Yukio; Akatsu, Yohsuke; and Yamanaka, Hiroshi, 4,865,348, Cl. 280-707.000.

Yamanaka, Katsuhisa; Furukawa, Tokinobu; Shindoh, Hirohiko; Kaneyuki, Yukio; Kinoshita, Takatoshi; and Ishibe, Masahiko, to Hitachi, Ltd. Apparatus for reaction including horizontal-type reactor and liquid circulator. 4,801,433, 1-31-89, Cl. 422-228.000.

Yamanaka, Kazushi, to Agency of Industrial Science & Technology; and Ministry of International Trade & Industry. Method of measuring microcrack depth. 4,825,423, 4-25-89, Cl. 367-99.000.

Yamanaka, Kazuyuki, to Kabushiki Kaisha Toshiba. Wire bonding device. 4,855,928, 8-8-89, Cl. 364-489.000.

Yamanaka, Kazuyuki; and Shibasaka, Mitsusada, to Kabushiki Kaisha Toshiba. Wire-bonding method and apparatus. 4,864,514, 9-5-89, Cl. 364-489.000.

Yamanaka, Masaaki; and Abe, Fumiyoshi, to Sony Corporation. Method and apparatus for detecting position of tape when recording or reproducing signals thereon. 4,805,053, 2-14-89, Cl. 360-72.300.

Yamanaka, Masaaki: *See—*
- Maekawa, Toshio; Yamauchi, Hiroshige; Toyota, Takashi; Sawayama, Akeo; and Yamanaka, Masaaki, 4,795,676, Cl. 428-328.000.

Yamanaka, Masami: *See—*
- Inoue, Shinichi; and Yamanaka, Masami, 4,858,145, Cl. 364-506.000.

Yamanaka, Masashige: *See—*
- Nakajima, Tatsutoshi; Toyoshima, Nobuyuki; and Yamanaka, Masashige, 4,829,126, Cl. 525-283.000.

Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Shibata, Shinji; Yashiro, Toshiyuki; and Kasahara, Akihiko, to Nippon Steel Corporation; Toyota Jidosha Kabushiki Kaisha; and Nippon Kinzoku Co., Ltd. Rolled high aluminum stainless steel foil for use as a substrate for a catalyst carrier. 4,870,046, 9-26-89, Cl. 502-439.000.

Yamanaka, Mikio: *See—*
- Wakiyama, Hiroo; Baba, Hisashi; Yamanaka, Mikio; Ohmura, Keiichi; Matsumoto, Shinichi; Takada, Toshihiro; Sugimoto, Shigetoshi; Shibata, Shinzi; Yashiro, Toshiyuki; and Kasahara, Akihiko, 4,867,811, Cl. 148-277.000.

Yamanaka, Minoru; and Amawa, Tetsuo, to Kabushiki Kaisha Risuron. Mat consisting of filament loop aggregations and method and apparatus for producing the same. 4,859,516, 8-22-89, Cl. 428-92.000.

Yamanaka, Motosuke; Miyake, Kazutoshi; Suda, Shinji; Ohhara, Hideto; and Ogawa, Toshiaki, to Eisai Co., Ltd. 1-(imidazo[1,2-a]pyridin-6-yl)-2-alkanone derivatives and (imidazo[1,2-a]pyridin-6-yl) acetaldehyde derivatives. 4,803,276, 2-7-89, Cl. 546-121.000.

Yamanaka, Motosuke: *See—*
- Oinuma, Hitoshi; Yamanaka, Motosuke; Miyake, Kazutoshi; Hoshiko, Tomonori; Minami, Norio; Shoji, Tadao; Daiku, Yoshiharu; Sawada, Kohei; and Nomoto, Kenichi, 4,876,262, Cl. 514-318.000.

Yamanaka, Naoki; and Yoshida, Makoto, to Asahi Medical Co., Ltd; and Medecs Co., Ltd. Method for diagnosis of rheumatoid arthritis. 4,863,850, 9-5-89, Cl. 435-7.000.

Yamanaka, Naoko: *See—*
- Abe, Yoko; Satoh, Susumu; Hori, Mitsuhiko; and Yamanaka, Naoko, 4,847,260, Cl. 514-279.000.

Yamanaka, Noriko: *See—*
- Miike, Seiji; Yamanaka, Noriko; Hirakawa, Hideki; and Amano, Shinya, 4,831,529, Cl. 364-419.000.

Yamanaka, Osamu: *See—*
- Kegasa, Koyo; Murai, Takafumi; Yamanaka, Osamu; and Fujii, Takeshi, 4,797,637, Cl. 331-4.000.

Yamanaka, Schunichiro: *See—*
- Kawagishi, Yoji; Narita, Shinichi; Kiriu, Takashi; and Yamanaka, Schunichiro, 4,826,749, Cl. 430-110.000.

Yamanaka, Sekisuke: *See—*
- Yamashita, Masatsugu; Iwakiri, Norio; Yamanaka, Sekisuke; and Yanase, Akira, 4,855,541, Cl. 200-6.00R.

Yamanaka, Susumu: *See—*
- Ito, Masamichi; Ohkoshi, Akio; Shizukawa, Kenjiro; Hayata, Terunobu; Furuya, Tomiaki; Yamanaka, Susumu; and Koezuka, Junji, 4,857,499, Cl. 502-326.000.

Yamanaka, Takashi: *See—*
- Souda, Shigeru; Shimomura, Naoyuki; Ueda, Norihiro; Miyazawa, Shuhei; Yamanaka, Takashi; Miyamoto, Kaname; Hishinuma, Ieharu; Nagakawa, Junichi; Nagaoka, Naoko; Kawashima, Hidetoshi; Kawata, Tsutomu; Nagaoka, Junsaku; and Wakabayashi, Tsuneo, 4,801,603, Cl. 514-425.000.
- Tsuji, Shiro; Naya, Eizo; Yamanaka, Takashi; Usui, Yoshihiro; Ito, Hiroshi; and Hasebe, Noriyuki, 4,827,289, Cl. 346-76.0PH.

Yamanaka, Takeo: *See—*
- Nakata, Kenji; Tomonari, Kyo; and Yamanaka, Takeo, 4,862,587, Cl. 29-867.000.

Yamanaka, Takeshi; and Sasaoka, Toshio, to Omron Tateisi Electronics Co. Pivotal micromotion device. 4,825,714, 5-2-89, Cl. 74-89.150.

Yamanaka, Torao; Shoyama, Teruhisa; and Terau, Nobuo, to Mitsubishi Denki Kabushiki Kaisha. Time synchronization method in data transmission system. 4,807,259, 2-21-89, Cl. 375-109.000.

Yamanaka, Torao, to Mitsubishi Denki Kabushiki Kaisha. Master station apparatus in supervisory and control system. 4,816,988, 3-28-89, Cl. 364-188.000.

Yamanaka, Torao, to Mitsubishi Denki Kabushiki Kaisha. Master station apparatus for remote supervisory control system with touch panel video display. 4,833,592, 5-23-89, Cl. 364-138.000.

Yamanaka, Torao; and Kawahara, Takeshi, to Mitsubishi Denki Kabushiki Kaisha. Remote monitoring and controlling system. 4,860,001, 8-22-89, Cl. 340-825.200.

Yamanaka, Toru: *See—*
- Inoue, Toshihide; Okamoto, Masaru; and Yamanaka, Toru, 4,869,967, Cl. 428-480.000.

Yamanaka, Toshiaki; Sakai, Yoshio; Hayashida, Tetsuya; Minato, Osamu; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, to Hitachi, Ltd. Stacked static random access memory cell having capacitor. 4,805,147, 2-14-89, Cl. 365-154.000.

Yamanaka, Toshiaki; Suzuki, Norio; Sakai, Yoshio; Kawamoto, Yoshifumi; Minato, Osamu; Ishibashi, Koichiro; Moriwaki, Nobuyuki; and Meguro, Satoshi, to Hitachi, Ltd. Static random-access memory having multilevel conductive layer. 4,853,894, 8-1-89, Cl. 365-154.000.

Yamanaka, Toshiaki: *See—*
- Honjyo, Shigeru; Minato, Osamu; Sakai, Yoshio; Yamanaka, Toshiaki; Shimohigashi, Katsuhiro; and Masuhara, Toshiaki, 4,849,801, Cl. 357-51.000.

Ishibashi, Koichiro; Minato, Osamu; Masuhara, Toshiaki; Sakai, Yoshio; Yamanaka, Toshiaki; Hashimoto, Naotaka; Hanamura, Shoji; Moriwaki, Nobuyuki; Honjyo, Shigeru; and Ueda, Kiyotsugu, 4,797,717, Cl. 357-23.100.

Yamanaka, Toshihiko; and Hayashi, Kenji, to Aisin Seiki Kabushiki Kaisha. Shock absorber unit. 4,867,476, 9-19-89, Cl. 280-714.000.

Yamanaka, Toshihiro: *See—*

Kawamura, Hideo; Tamai, Katsuyuki; Saito, Shigeki; and Yamanaka, Toshihiro, 4,833,887, Cl. 60-608.000.

Yamanaka, Toshimasa: *See—*

Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, 4,881,098, Cl. 354-403.000.

Yamamoto, Masato; Nakajima, Masahiro; and Yamanaka, Toshimasa, 4,887,114, Cl. 354-288.000.

Yamanaka, Toshio, to Nippon Electric Glass Company, Limited. Sealing glass composition with filler containing Fe and W partially substituted for Ti in $PbTiO_3$ filler. 4,883,777, 11-28-89, Cl. 501-15.000.

Yamanaka, Toshio: *See—*

Tanjo, Toru; Yamanaka, Toshio; Wakikaido, Takahiro; Hatano, Masaru; Hirata, Nobuyuki; and Kamidaira, Kazuya, 4,811,050, Cl. 355-3.0CH.

Yamanaka, Yasutoshi; Izumida, Teruo; and Nomura, Kazuya, to Nippondenso Co., Ltd. Heat exchanger for engine oil. 4,836,276, 6-6-89, Cl. 165-51.000.

Yamanaka, Yoshifumi: *See—*

Kashima, Takayuki; Sakabe, Akira; and Yamanaka, Yoshifumi, 4,876,433, Cl. 219-130.510.

Yamanaka, Yoshimi: *See—*

Takahashi, Yuji; Yamanaka, Yoshimi; and Ishikawa, Yutaka, 4,819,025, Cl. 355-14.00R.

Yamanaka, Yutaka, to NEC Corporation. Method and apparatus for detecting the focusing state and positioning accuracy of a light beam directed onto an optical disk tracking guide in an optical recording system. 4,817,074, 3-28-89, Cl. 369-46.000.

Yamanami, Hirofumi: *See—*

Seki, Kenji; Hashimoto, Junichiroh; Kimura, Michio; Yamanami, Hirofumi; Mochizuki, Satomi; and Aiso, Izumi, 4,871,635, Cl. 430-60.000.

Yamanami, Tsuguya; Funahashi, Takahiko; and Senda, Toshiaki, to Wacom Co., Ltd. Position detecting apparatus. 4,878,553, 11-7-89, Cl. 178-18.000.

Yamanami, Tsuguya: *See—*

Taguchi, Yoshinori; and Yamanami, Tsuguya, 4,845,478, Cl. 340-712.000.

Taguchi, Yoshinori; and Yamanami, Tsuguya, 4,890,096, Cl. 340-712.000.

Yamanari, Shozo; Horiuchi, Tetsuo; Tominaga, Kenji; Goto, Hiroshi; and Miura, Satoshi, to Hitachi, Ltd.; and Hitachi Engineering Co., Ltd. Emergency core cooling apparatus. 4,808,369, 2-28-89, Cl. 376-282.000.

Yamanari, Shozo: *See—*

Suzuki, Hiroaki; Kataoka, Yoshiyuki; Murase, Michio; Inoue, Kotaro; Sumida, Isao; Yamanari, Shozo; Matsumoto, Masaki; Miura, Satoshi; and Hashimoto, Koji, 4,877,574, Cl. 376-216.000.

Yamanashi Electronics Co. Ltd.: *See—*

Murata, Tadaichi; Isomura, Tsuneo; Fujimori, Kenichi; Tsuruta, Fuminori; Dohi, Kazuhito; Horigome, Masahiro; Nakayama, Yoshitarou; and Oomori, Sachio, 4,839,252, Cl. 430-59.000.

Yamanashi, Fumiaki: *See—*

Tomofuji, Makoto; and Yamanashi, Fumiaki, 4,842,373, Cl. 350-336.000.

Yamanashi, Shigeaki, to Toyo Seikan Kaisha Limited. Pull-tab for easy-to-open container lid. 4,815,626, 3-28-89, Cl. 220-273.000.

Yamanashi, Takanori; and Ogata, Yasuji, to Olympus Optical Co., Ltd. Telephoto zoom lens system. 4,815,829, 3-28-89, Cl. 350-427.000.

Yamanashi, Takanori, to Olympus Optical Co., Ltd. Compact high-vari-focal ratio zoom lens system. 4,822,152, 4-18-89, Cl. 350-427.000.

Yamanashi, Takanori, to Olympus Optical Co., Ltd. Compact high vari-focal ratio zoom lens system. 4,854,682, 8-8-89, Cl. 350-427.000.

Yamanashi, Takanori: *See—*

Ogata, Yasuji; and Yamanashi, Takanori, 4,836,662, Cl. 350-427.000.

Takada, Katsuhiro; and Yamanashi, Takanori, 4,840,467, Cl. 350-427.000.

Yamane, Akio; Kawasoe, Tatsuro; Tsukumo, Noriko; and Miyoshi, Kenichi, to Wakunaga Seiyaku Kabushiki Kaisha. Poly-labelled oligonucleotide derivative. 4,876,335, 10-24-89, Cl. 536-27.000.

Yamane, Atsumu: *See—*

Tanaka, Shigenori; Itoh, Yasuo; Hayashida, Michiya; Hara, Kenichi; Yamamoto, Keiichi; Itani, Hikotaro; Yamane, Atsumu; Kasama, Akio; Suichi, Isao; Kajioka, Hiroyuki; and Sasaki, Kunimasa, 4,887,662, Cl. 164-427.000.

Yamane, Hidenobu, to Sharp Kabushiki Kaisha. Developing device of an electrophotographic machine. 4,811,686, 3-14-89, Cl. 118-657.000.

Yamane, Hiroshi: *See—*

Yamane, Mikihito; and Yamane, Hiroshi, 4,845,405, Cl. 313-500.000.

Yamane, Hisaaki; and Hirose, Noboru, to Brother Kogyo Kabushiki Kaisha. Machine tool. 4,873,756, 10-17-89, Cl. 29-568.000.

Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, to Mitsubishi Denki Kabushiki Kaisha. Cathode ray tube apparatus with quadrupole electrode structure. 4,886,999, 12-12-89, Cl. 313-414.000.

Yamane, Iwao, to Mitsubishi Denki Kabushiki Kaisha. Preparation and display of sewing data on an automatic sewing machine. 4,837,673, 6-6-89, Cl. 364-188.000.

Yamane, Izumi. Mop squeezer. 4,852,207, 8-1-89, Cl. 15-262.000.

Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, to Fujitsu Limited. Pulse amplifier suitable for use in the semiconductor laser driving device. 4,803,384, 2-7-89, Cl. 307-490.000.

Yamane, Kazuo; Mori, Masakazu; Tsuda, Takashi; Ohkuma, Yoshinori; and Suzuki, Kazuhiro, to Fujitsu Limited. Semiconductor laser driving device. 4,813,048, 3-14-89, Cl. 372-38.000.

Yamane, Kazuo: *See—*

Mori, Masakazu; Wada, Tetsuo; Miyaki, Yuji; Yamane, Kazuo; Suzuki, Kazuhiro; and Ohkuma, Yoshinori, 4,816,699, Cl. 307-268.000.

Yamane, Manabu: *See—*

Hashimoto, Naoyuki; Yamashita, Kazuichi; and Yamane, Manabu, 4,823,933, Cl. 198-465.300.

Yamane, Masamitsu: *See—*

Yamamoto, Haruo; Yamane, Masamitsu; and Ogawa, Shusaku, 4,851,876, Cl. 355-323.000.

Yamane, Mikihito; and Yamane, Hiroshi, to Sanyo Electric Co., Ltd.; and Tottori Sanyo Electric Co., Ltd. Monolithic LED display. 4,845,405, 7-4-89, Cl. 313-500.000.

Yamane, Mitsuo: *See—*

Kobayashi, Tetuo; and Yamane, Mitsuo, 4,870,427, Cl. 346-1.100.

Yamane, Ryozo; Kurihara, Takashi; Kaise, Hiroshi; Komatsubara, Takeo; and Sunaga, Takashi, to Idemitsu Kosan Company Limited. Refrigerator oil composition. 4,800,013, 1-24-89, Cl. 208-19.000.

Yamane, Takakazu: *See—*

Matsui, Masataka; Aono, Toshiaki; Tanimoto, Yoshio; Nakahama, Tadamitsu; and Yamane, Takakazu, 4,874,639, Cl. 427-240.000.

Yamane, Takehiko: *See—*

Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,859,661, Cl. 514-183.000.

Yamane, Toshinobu; Kuramoto, Akio; Shimizu, Ryuji; and Nakayama, Makoto, to NEC Corporation. Tracking system with beam switching antenna. 4,881,078, 11-14-89, Cl. 342-155.000.

Yamane, Yasuaki, to Hitachi, Ltd. Method and apparatus for partial test-cause generation. 4,885,712, 12-5-89, Cl. 364-580.000.

Yamane, Yasukuni: *See—*

Takakura, Masaki; Hayasaki, Hideto; Takemura, Hideo; Izumi, Masao; Iwasaki, Keisuke; Noguchi, Yoji; Yamane, Yasukuni; and Kako, Noritoshi, 4,878,178, Cl. 364-521.000.

Yamane, Yuji; and Nishikawa, Hideya, to Tomy Kogyo Co., Inc. Toys having magnetic switches. 4,878,869, 11-7-89, Cl. 446-130.000.

Yamane, Yuji: *See—*

Tokumitsu, Kenji; Doi, Takashi; Miyazaki, Michio; Yamane, Yuji; Izawa, Nobuyoshi; and Takeda, Toru, 4,833,665, Cl. 369-58.000.

Tsumita, Mitsuyo; and Yamane, Yuji, 4,842,502, Cl. 425-9.000.

Yamane, Yukio: *See—*

Yabu, Shuichi; Takahashi, Kazuo; and Yamane, Yukio, 4,869,481, Cl. 269-21.000.

Yamanis, Jean, to Allied-Signal Inc. Continuous process for production of fine particulate ceramics. 4,845,056, 7-4-89, Cl. 501-12.000.

Yamanis, Jean: *See—*

Olson, William L.; Li, Beili; and Yamanis, Jean, 4,830,780, Cl. 252-521.000.

Yamanishi, Eiichi, to Kabushiki Kaisha Toshiba. Method for continuously preparing films for use in making printing plates for off set lithography and image-forming apparatus for preparing the films. 4,816,902, 3-28-89, Cl. 358-75.000.

Yamanishi, Eiichi; Abuyama, Yasuo; and Someya, Akihiko, to Kabushiki Kaisha Toshiba. Image forming apparatus with positioning-mark forming function. 4,875,092, 10-17-89, Cl. 358-75.000.

Yamanishi, Kazuhiko; and Hanada, Toshiro, to Wako-Pure Chemical Industries, Ltd. Stabilization of tetrazolium salts with cyclodextrins. 4,837,331, 6-6-89, Cl. 548-146.000.

Yamanishi, Kazuhiko: *See—*

Hanada, Toshiro; and Yamanishi, Kazuhiko, 4,801,538, Cl. 435-25.000.

Tokuda, Kuniaki; Morii, Seiji; and Yamanishi, Kazuhiko, 4,879,221, Cl. 435-15.000.

Yamanishi, Kazuhiro: *See—*

Kobayashi, Masaaki; Takeuchi, Akihiro; Yamanishi, Kazuhiro; Miki, Sukeichi; and Nagaoka, Yoshitomi, 4,811,119, Cl. 358-328.000.

Kobayashi, Masaaki; Yamanishi, Kazuhiro; Takeuchi, Akihiro; and Nagaoka, Yoshitomi, 4,873,583, Cl. 358-310.000.

Ochi, Atsuo; Kobayashi, Masaaki; Takeuchi, Akihiro; and Yamanishi, Kazuhiro, 4,864,424, Cl. 358-328.000.

Takeuchi, Akihiro; Kobayashi, Masaaki; Yamanishi, Kazuhiro; and Ochi, Atsuo, 4,807,050, Cl. 358-328.000.

Yamanishi, Kenichiro: *See—*

Kawagoe, Yasuyuki; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,811,690, Cl. 118-723.000.

Tsukazaki, Hisashi; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,812,326, Cl. 427-38.000.

Yamanishi, Masaji: *See—*

Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; and Yamanishi, Masaji, 4,846,947, Cl. 204-182.400.

Sotoya, Kohshiro; Kubo, Makoto; Okabe, Kazuhiko; Tanigaki, Masanobu; Yamanishi, Masaji; and Hirota, Hajime, 4,885,112, Cl. 252-352.000.

Yamanishi, Masamichi; Suemune, Ikuo; and Kan, Yasuo, to Hiroshima University. Light emitting semiconductor device. 4,845,535, 7-4-89, Cl. 357-17.000.

Yamanishi, Nobue: *See—*

Takubo, Yoneharu; Horibe, Yasutaka; Yamanishi, Nobue; Fujii, Eiji; and Okinaka, Hideyuki, 4,801,932, Cl. 340-783.000.

Yamanishi, Yoshiharu: *See—*

Sugimoto, Hachiro; Nakamura, Takaharu; Tsuchiya, Yutaka; Sugumi, Hiroyuki; Higurashi, Kunizou; Karibe, Norio; Yamanishi, Yoshiharu; Ogura, Hiroo; Araki, Shin; Kubota, Atsuhiko; Ohtake, Michiko; and Tamatsu, Kiyomi, 4,849,431, Cl. 514-331.000.

Yamano Electric Mfg. Co., Ltd.: *See—*

Koyabu, Seiji; and Fukuda, Tatsuhisa, 4,884,253, Cl. 368-10.000.

Yamano, Minoru; Fujiwara, Hideo; Hayashi, Masashi; and Naganawa, Nobuhiko, to Hitachi Maxell, Ltd. Magnetic head with a slider. 4,814,920, 3-21-89, Cl. 360-122.000.

Yamano, Seiichi: *See—*

Takatori, Hiroshi; Matsuhara, Osamu; and Yamano, Seiichi, 4,833,691, Cl. 375-14.000.

Yamano, Shoji, to Yamato Scale Company, Limited. Combination counting and weighing system. 4,836,310, 6-6-89, Cl. 177-25.180.

Yamano, Shoji: *See—*

Toyoda, Yoshiharu; Mikata, Yoshitaka; and Yamano, Shoji, 4,840,240, Cl. 177-25.180.

Yamano, Toru: *See—*

Takanohashi, Kunio; Tanaka, Mitsutaka; and Yamano, Toru, 4,845,246, Cl. 549-315.000.

Yamano, Yoshinori: *See—*

Sakamoto, Tatsurou; Ito, Masayoshi; and Yamano, Yoshinori, 4,883,439, Cl. 445-66.000.

Yamanobe, Koji; Yamazaki, Shigeru; and Tanaka, Hidetake, to Ricoh Company, Ltd. Lateral registration adjusting device for use in a laser beam printer. 4,814,792, 3-21-89, Cl. 346-108.000.

Yamanobe, Kouji: *See—*

Shimada, Kazuyuki; Nakajima, Tomohiro; Kotabe, Hiroaki; Yamanobe, Kouji; and Yamazaki, Kozo, 4,853,710, Cl. 346-108.000.

Yamanobe, Masao; Watanabe, Yasuyuki; Sakata, Hajime; Ohkubo, Yukitoshi; Umezawa, Tomoyuki; Mochizuki, Chiori; Ishiwata, Kazuya; Ishii, Takayuki; Nagano, Akihiko; Kishi, Etsuro; and Fujiwara, Ryoji, to Canon Kabushiki Kaisha. Optical modulation device. 4,850,681, 7-25-89, Cl. 350-348.000.

Yamanobe, Masato; Watanabe, Yasuyuki; and Ohkubo, Yukitoshi, to Canon Kabushiki Kaisha. Optical modulation element. 4,822,146, 4-18-89, Cl. 350-348.000.

Yamanobe, Masato: *See—*

Ohkubo, Yukitoshi; Watanabe, Yasuyuki; Mochizuki, Chiori; Ishii, Takayuki; Yamanobe, Masato; and Ishiwata, Kazuya, 4,878,742, Cl. 350-347.00V.

Sakata, Hajime; Watanabe, Yasuyuki; Yamanobe, Masato; Ohkubo, Yukitoshi; and Nagano, Akihiro, 4,856,869, Cl. 350-162.180.

Yamanobe, Takashi: *See—*

Fukasawa, Yoshiharu; Kawai, Mituo; Ishihara, Hideo; and Yamanobe, Takashi, 4,842,706, Cl. 204-298.000.

Yamanoi, Akira; and Shiba, Daisuke, to Kao Corporation. Absorbent article. 4,851,284, 7-25-89, Cl. 428-284.000.

Yamanoi, Hiroshi: *See—*

Hayakawa, Masatoshi; Nagaki, Takehiro; Aso, Koichi; and Yamanoi, Hiroshi, 4,796,241, Cl. 369-13.000.

Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,810,484, Cl. 423-598.000.

Uedaira, Satoru; Suzuki, Masayuki; Yamanoi, Hiroshi; and Tamura, Hidemasa, 4,889,706, Cl. 423-593.000.

Yamanoi, Koyu; Yoshizakiya, Yoshio; and Dehara, Masayoshi, to Ando Electric Co., Ltd. Test signal generating circuit. 4,802,168, 1-31-89, Cl. 371-27.000.

Yamanoi, Tukio; Kandachi, Mitsuo; Iwata, Masahiro; and Kato, Kazumi, to Furukawa Aluminum Co., Ltd. Tubular material drawing apparatus for manufacturing precision tube. 4,860,568, 8-29-89, Cl. 72-291.000.

Yamanoi, Yoshinori; and Makino, Hiroaki, to Honda Giken Kogyo Kabushiki Kaisha. Chain drive system. 4,867,733, 9-19-89, Cl. 474-161.000.

Yamanoi, Yoshinori: *See—*

Tsuchida, Tetsuo; and Yamanoi, Yoshinori, 4,815,570, Cl. 188-181.00A.

Yamanouchi, Haruhiko: *See—*

Eguchi, Masaharu; Fujiwara, Yutaka; Yamanouchi, Haruhiko; and Terashima, Jun, 4,804,331, Cl. 439-162.000.

Yamanouchi, Hideki: *See—*

Kuroda, Katsuhiko; and Yamanouchi, Hideki, 4,828,720, Cl. 210-782.000.

Yamanouchi, Hiroshi, to Sony Corporation. Magnetic head supporting device. 4,853,813, 8-1-89, Cl. 360-104.000.

Yamanouchi, Hiroshi: *See—*

Kamoto, Hidetoshi; Yamanouchi, Hiroshi; Takahashi, Shogo; Takamiya, Toru; and Gouda, Yoshimasa, 4,805,054, Cl. 360-97.010.

Yamanouchi, Junichi; and Toriuchi, Masaharu, to Fuji Photo Film Co., Ltd. Polymer mordant. 4,861,852, 8-29-89, Cl. 526-263.000.

Yamanouchi, Junichi; Ono, Shigetoshi; Hirano, Tsumoru; Watanabe, Toshiyuki; Sakai, Nobuo; and Mihayashi, Keiji, to Fuji Photo Film Co., Ltd. Silver halide color photographic material. 4,874,689, 10-17-89, Cl. 430-548.000.

Yamanouchi, Junichi: *See—*

Okazaki, Masaki; and Yamanouchi, Junichi, 4,839,269, Cl. 430-570.000.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, to Konica Corporation. Apparatus for writing data onto photosensitive film. 4,806,965, 2-21-89, Cl. 355-1.000.

Yamanouchi, Kenji; Teraoka, Yutaka; Ikeda, Makoto; Nakamura, Masao; and Kawai, Satoshi, to Konica Corporation. Apparatus for writing a data onto photosensitive film. 4,884,095, 11-28-89, Cl. 355-1.000.

Yamanouchi, Kiyoshi; and Iwase, Sumio, to Sony Corporation. Automatic telephone answering apparatus and method. 4,873,713, 10-10-89, Cl. 379-67.000.

Yamanouchi, Kouichi: *See—*

Scherer, Kirby V., Jr.; Ono, Taizo; Yamanouchi, Kouichi; and Yokoyama, Kazumasa, 4,868,318, Cl. 549-362.000.

Yamanouchi Pharmaceutical Co., Ltd.: *See—*

Fujikura, Takashi; Matsumoto, Yuzo; and Asano, Masharu, 4,843,085, Cl. 514-356.000.

Imai, Harumitsu; Suzuki, Ken-ichi; Miyazaki, Shigeru; and Kadota, Shigenobu, 4,843,008, Cl. 435-252.100.

Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; and Takenaka, Toichi, 4,868,216, Cl. 514-603.000.

Imai, Kazuo; Niigata, Kunihiro; Fujikura, Takashi; Hashimoto, Shinichi; Takenaka, Toichi; and Honda, Kazuo, 4,880,841, Cl. 514-654.000.

Ito, Noriki; Ogawara, Hiroshi; and Watanabe, Shunichi, 4,841,077, Cl. 549-402.000.

Kiechel, Jean-Rene; Acezat-Mispelter, Francoise; and Plas, Danielle, 4,885,305, Cl. 514-356.000.

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,795,753, Cl. 514-345.000.

Kojima, Tadao; Kageyama, Shunji; Okada, Minoru; Ohata, Isao; and Sato, Noboru, 4,798,838, Cl. 514-342.000.

Konno, Yutaka; Mitomi, Mitsuo; Sonobe, Takashi; and Yamaguchi, Shumpei, 4,842,577, Cl. 604-20.000.

Konno, Yutaka; Kawata, Hiroitsu; Aruga, Masayoshi; Sonobe, Takashi; and Mitomi, Mitsuo, 4,879,119, Cl. 424-449.000.

Mase, Toshiyasu; Tsuzuki, Ryuji; Hara, Hiromu; Murase, Kiyoshi; and Tomioka, Kenichi, 4,803,211, Cl. 514-361.000.

Murase, Kiyoshi; Mase, Toshiyasu; Hara, Hiromu; and Tomioka, Kenichi, 4,855,310, Cl. 514-361.000.

Numasaki, Yoso; Takahashi, Koichiro; and Ohata, Isao, 4,886,818, Cl. 514-345.000.

Ogawa, Katayasu; Ohtani, Go; Yokota, Shoji; and Aruga, Masayoshi, 4,880,823, Cl. 514-356.000.

Senuma, Makoto; Kondoh, Shigeru; Kawase, Tadamasa; and Nakagawa, Yoshihiko, 4,879,118, Cl. 424-448.000.

Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.

Yamahira, Yoshiya; Okuzawa, Yoshiko; Fujioka, Keiji; Sato, Shigeji; and Ishikawa, Reimei, 4,880,796, Cl. 514-206.000.

Yamanouchi, Shosuke: *See—*

Hata, Ryosuke; Yamanouchi, Shosuke; Hirose, Masayuki; Kuwabara, Hidemitsu; Mizumoto, Yasuharu; and Hagiuda, Yasuhiro, 4,859,804, Cl. 174-25.00R.

Yamanoue, Masafumi: *See—*

Kotani, Matahira; Hayashi, Motohiko; and Yamanoue, Masafumi, 4,841,374, Cl. 358-280.000.

Yamao, Masanobu: *See—*

Wakabayashi, Minoru; Murata, Hiroyuki; Sugino, Yasuo; Yamao, Masanobu; and Nishikawa, Takao, 4,872,972, Cl. 209-143.000.

Yamao, Mutsunori: *See—*

Echigo, Yoshiaki; Sugawara, Kenichi; Yamao, Mutsunori; Suematu, Yoshiyuki; Asami, Keiichi; and Ohsawa, Tuneyuki, 4,839,445, Cl. 525-503.000.

Otomura, Keiichiro; Ogura, Yoshikazu; Echigo, Yoshiaki; Yamao, Mutsunori; and Ishikura, Tadashi, 4,808,316, Cl. 210-664.000.

Yamaoka, Akira: *See—*

Kuriyama, Kazunori; Shintani, Yooichi; Yamaoka, Akira; Shonai, Tohru; Kamada, Eiki; and Inoue, Kiyoshi, 4,858,105, Cl. 364-200.000.

Yamaoka, Kojiro; and Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co. Ltd. Transmission system for working vehicles. 4,809,796, 3-7-89, Cl. 180-6.480.

Yamaoka, Kojiro; and Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg. Co., Ltd. Transmission system for working vehicles. 4,819,508, 4-11-89, Cl. 74-665.0GC.

Yamaoka, Kojiro; and Okada, Hideaki, to Kanzaki Kokyukoki Mfg. Co., Ltd. Key-shift transmission. 4,827,783, 5-9-89, Cl. 74-371.000.

Yamaoka, Kojiro; and Nemoto, Shusuke, to Kanzaki Kokyukoki Mfg., Co. Ltd. Traveling transmission case. 4,867,008, 9-19-89, Cl. 74-606.00R.

Yamaoka, Kojiro; Azuma, Toshiro; Fujisaki, Koichiro; and Okada, Hideaki, to Kanzaki Kokyukoki Mfg. Co. Ltd. Power transmission mechanism for tractor. 4,882,940, 11-28-89, Cl. 74-15.66I.

Yamaoka, Kojiro; Azuma, Toshiro; Yano, Kazuhiko; and Ohashi, Ryota, to Kanzaki Kokyukoki Mfg. Co. Ltd. Hydraulic four-wheel drive system. 4,886,142, 12-12-89, Cl. 180-242.000.

Yamaoka, Masami: *See—*

Tsuzuki, Yukio; and Yamaoka, Masami, 4,879,254, Cl. 437-41.000.

Yamaoka, Masao, to Kabushiki Kaisha Daiki Aluminium Kogyosho. Melting and holding furnace. 4,850,577, 7-25-89, Cl. 266-229.000.

Yamaoka, Masao; and Toyota, Tomohiro, to Kabushiki Kaisha Daiki Aluminium Kogyosho. Automatic melt supplying method and holding furnace having automatic melt supplying system. 4,881,670, 11-21-89, Cl. 222-590.000.

Yamaoka, Masayoshi; Tsutsui, Kiyomi; Inoue, Tadashi; and Takahashi, Toyoki, to Nippon Steel Corporation. Apparatus for measuring reduction ratio of rolled material. 4,888,993, 12-26-89, Cl. 73-760.000.

Yamaoka, Naoji; Ozawa, Shogo; Fukai, Naoki; Yuzawa, Masayuki; Nakamura, Takeshi; and Asano, Yutaka, to Honda Giken Kogyo Kabushiki Kaisha. Method of assembling vehicle body of two-wheeled vehicle and assembling apparatus therefor. 4,811,891, 3-14-89, Cl. 228-182.000.

Yamaoka, Noboru: *See*—

Kobayashi, Seizo; Usui, Katumi; Mizoe, Takashi; Yamaoka, Noboru; and Matsuura, Kazuo, 4,822,855, Cl. 525-194.000.

Yamaoka, Osamu: *See*—

Arakawa, Hajime; Yamaoka, Osamu; Kobayashi, Shinichi; Okumura, Kunio; and Morishita, Kanichi, 4,814,938, Cl. 361-302.000.

Yamaoka, Shigemitsu: *See*—

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.

Yamaoka, Shinobu: *See*—

Mishima, Osamu; Yamaoka, Shinobu; Fukunaga, Osamu; Tanaka, Junzo; and Era, Koh, 4,875,967, Cl. 156-605.000.

Yamaoka, Tadahiko: *See*—

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,796,978, Cl. 350-337.000.

Tanaka, Sakae; Yamaoka, Tadahiko; Takahashi, Shingo; and Takahashi, Tomoaki, 4,861,142, Cl. 350-345.000.

Yamaoka, Takehiro: *See*—

Nakagawa, Yoshitomo; and Yamaoka, Takehiro, 4,874,460, Cl. 156-626.000.

Yamaoka, Tsuguo: *See*—

Tsunoda, Tahahiro; Yamaoka, Tsuguo; and Arimatsu, Seiji, 4,877,714, Cl. 430-270.000.

Yamaoka, Yoshiaki: *See*—

Nakano, Yuzuru; Tabata, Syunichi; Yamaguchi, Hiroaki; Araki, Hiroshi; Kondo, Akira; Nishimura, Shinzo; Yamaoka, Yoshiaki; Takeshita, Akihiko; and Yamada, Yoji, 4,827,574, Cl. 19-200.000.

Yamaoka, Yukio: *See*—

Fujiwara, Tadayoshi; Yamaoka, Yukio; Hamada, Kazuichi; Yamada, Yoshiro; Kawaguchi, Yasunobu; Oki, Yasuhiro; Taniguchi, Takashi; and Takahashi, Hiroyuki, 4,889,567, Cl. 148-12.00B.

Yamaoto, Naoki: *See*—

Chida, Shouhei; Yamaoto, Naoki; Miyazaki, Yasuo; and Sato, Yasunori, 4,859,119, Cl. 405-269.000.

Yamaryo, Shigeru, to Yamaha Corporation. Key mechanism for a bass clarinet. 4,809,580, 3-7-89, Cl. 84-382.000.

Yamaryo, Shigeru, to Yamaha Corporation. Key mechanism for a bass range clarinet. 4,848,206, 7-18-89, Cl. 84-382.000.

Yamasa Shoyu Kabushiki Kaisha: *See*—

Terada, Takashi; Aoki, Minoru; Ohtaki, Hiroshi; Morozumi, Manami; and Shiozaki, Mitsuharu, 4,812,560, Cl. 536-29.000.

Yamasaki, Akinori; Kuroda, Sigenori; and Oue, Tatsuya, to Mitsubishi Denki Kabushiki Kaisha. Superconducting magnetic apparatus. 4,868,531, 9-19-89, Cl. 335-216.000.

Yamasaki, Akio: *See*—

Ishihara, Yuji; and Yamasaki, Akio, 4,824,516, Cl. 156-523.000.

Yamasaki, George K., to Westinghouse Electric Corp. Hollow cathode discharge device with front shield. 4,795,942, 1-3-89, Cl. 313-618.000.

Yamasaki, Hidenori, to Mitsubishi Denki Kabushiki Kaisha. DAT recorder with automatic cassette movement. 4,800,449, 1-24-89, Cl. 360-71.000.

Yamasaki, Hidenori: *See*—

Kira, Toru; Yamasaki, Hidenori; and Yoshikawa, Mitsuhiko, 4,816,946, Cl. 360-110.000.

Yamasaki, Hidetoshi; and Murata, Masae, to Victor Company of Japan, Limited. Disk magazine. 4,800,554, 1-24-89, Cl. 369-291.000.

Yamasaki, Hirofumi: *See*—

Takahashi, Minoru; Masuda, Jiro; Miyazaki, Akira; Hitotsuya, Masaki; Yamasaki, Hirofumi; Takahashi, Junji; Teratani, Tatsuo; Tachibana, Takeshi; and Nagasaka, Masumi, 4,870,583, Cl. 364-426.040.

Yamasaki, Hiroka, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Implement for preventing leakage of waves from microwave oven. 4,868,358, 9-19-89, Cl. 219-10.55D.

Yamasaki, Hirokazu: *See*—

Kameda, Osamu; and Yamasaki, Hirokazu, 4,883,138, Cl. 180-249.000.

Yamasaki, Hiroshi: *See*—

Takeo, Hiroshi; Kajiwara, Masanori; Ohhata, Michinobu; Moriya, Takao; Takeda, Satoshi; Nakaide, Hiroshi; Yamasaki, Hiroshi; Kunieda, Toshinari; and Washiyama, Ikuo, 4,849,995, Cl. 375-116.000.

Yamasaki, Hiroyuki: *See*—

Dosaka, Katsumi; Kumanoya, Masaki; Miyatake, Hideshi; Hidaka, Hideto; Konishi, Yasuhiro; Yamasaki, Hiroyuki; Ikeda, Yuto; Tsukamoto, Kazuhiro; and Shimoda, Masaki, 4,837,747, Cl. 371-10.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,823,322, Cl. 365-190.000.

Miyatake, Hideshi; Kumanoya, Masaki; Hidaka, Hideto; Konishi, Yasuhiro; Dosaka, Katsumi; Yamasaki, Hiroyuki; Shimoda, Masaki; Ikeda, Yuto; and Tsukamoto, Kazuhiro, 4,843,596, Cl. 365-233.500.

Yamasaki, Ichiro: *See*—

Yoshioka, Takeo; Minagawa, Tadao; Suzuki, Toshihiro; Yamasaki, Ichiro; and Matsushita, Yoshifumi, 4,839,767, Cl. 361-42.000.

Yamasaki, Katuhiko: *See*—

Eshima, Taizo; Yasutake, Kunihiro; and Yamasaki, Katuhiko, 4,885,837, Cl. 29-564.000.

Yamasaki, Kimihito; and Anzai, Shunju, to Sharp Kabushiki Kaisha. Electronic image transfer device and a film used therein. 4,851,925, 7-25-89, Cl. 358-296.000.

Yamasaki, Kouji; Ikezaki, Eiji; Tano, Yasunori; and Nishizaka, Hiroshi, to Nippon Steel Corporation. Method for producing a grain oriented electrical steel sheet. 4,846,903, 7-11-89, Cl. 148-111.000.

Yamasaki, Kouji: *See*—

Nakayama, Hisanobu; Tanaka, Osamu; Yasumoto, Hiromichi; Senoo, Seiichi; Zaizen, Youichi; and Yamasaki, Kouji, 4,875,947, Cl. 148-113.000.

Yamasaki, Makari: *See*—

Tamura, Gakuzo; Yoda, Koji; Kikuchi, Yasuhiro; and Yamasaki, Makari, 4,849,351, Cl. 435-68.000.

Yamasaki, Masafumi, to Olympus Optical Company Limited. Photoelectric conversion apparatus for focus detection. 4,870,441, 9-26-89, Cl. 354-402.000.

Yamasaki, Masaharu, to Seiko Instruments Inc. World timepiece. 4,821,248, 4-11-89. Cl. 368-21.000.

Yamasaki, Norikazu; and Koga, Keiichiro, to Kokusai Denshin Denwa Co., Ltd. Sequential decoding method and apparatus. 4,797,887, 1-10-89, Cl. 371-43.000.

Yamasaki, Noritsugu: *See*—

Sato, Kazuo; Yamasaki, Noritsugu; and Takase, Ichirou, 4,845,301, Cl. 568-310.000.

Yamasaki, Richard G., to Silicon Systems, Inc. Variable frequency oscillator. 4,803,445, 2-7-89, Cl. 331-177.00R.

Yamasaki, Richard G.: *See*—

Maimone, Peter; and Yamasaki, Richard G., 4,800,340, Cl. 331-1.00A.

Yamasaki, Satoru: *See*—

Murakami, Sadatoshi; Yamasaki, Satoru; Tanaka, Masayuki; Hirata, Sayoko; Morimoto, Hiromi; Nomura, Kenji; Oka, Kenichiro; and Ohnishi, Masaru, 4,839,667, Cl. 346-76.0PH.

Yamasaki, Takahiko: *See*—

Takano, Teruhisa; Yamasaki, Takahiko; and Akiyoshi, Mitsuo, 4,883,944, Cl. 219-492.000.

Yamasaki, Takanori: *See*—

Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwae, Ichiro, 4,808,951, Cl. 333-202.000.

Yamasaki, Takeshi: *See*—

Senoo, Hideaki; Yamasaki, Takeshi; Satoh, Yasuo; and Sugaya, Mamoru, 4,877,688, Cl. 428-522.000.

Tsurumaru, Hidekazu; Fujio, Nobuhiro; Yamasaki, Takeshi; Nishizaki, Toshio; and Negisi, Isao, 4,814,018, Cl. 106-457.000.

Yamasaki, Teiichi; and Nakamura, Kiyoji. Scanning exposure device. 4,864,359, 9-5-89, Cl. 355-51.000.

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Yamasawa, Tsutomu, to Omron Tateisi Electronics Co.; and Isao Ka. Electronic blood pressure meter. 4,844,084, 7-4-89, Cl. 128-681.000.

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Yamasawa, Tsutomu; Yamakoshi, Kenichi; and Shimazu, Hideaki, to Omron Tateisi Electronics Co. Electronic blood pressure meter. 4,862,895, 9-5-89, Cl. 128-680.000.

Yamase, Tokuhiro, to Asmo Co., Ltd. Actuator of an air conditioner of a vehicle. 4,877,926, 10-31-89, Cl. 200-19.00R.

Yamashima, Yoshio: *See*—

Ito, Toshio; Sakata, Miwa; and Yamashima, Yoshio, 4,826,943, Cl. 528-21.000.

Yamashina, Ikuo. Plates for assay of sugar chaindirected antibody and production thereof. 4,851,357, 7-25-89, Cl. 436-528.000.

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Yasumoto, Masaaki; Enomoto, Tadayoshi; and Yamashina, Masakazu, 4,849,921, Cl. 364-715.010.

Yamashina Seiko-sho, Ltd.: *See*—

Armstrong, William D., 4,842,467, Cl. 411-399.000.

Yamashiro, Hiroshi; and Suzuki, Mitsugu. Elongated plastic material. 4,847,126, 7-11-89, Cl. 428-35.200.

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Yamashita, Akihiko, to Alps Electric Co., Ltd. Magnetic head for flexible disk drive. 4,879,620, 11-7-89, Cl. 360-123.000.

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Hataoka, Kenji; Yamashita, Akinori; Misumi, Masanori; and Hashimoto, Noboru, 4,811,231, Cl. 364-431.050.

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Yamashita, Akio: *See*—

Tsuchiya, Soji; Ito, Yoshimasa; Higuchi, Sadashi; and Yamashita, Akio, 4,855,727, Cl. 340-785.000.

Yamashita, Atsushi; and Kyotani, Ikuo, to G-C Dental Industrial Corp. Method and apparatus for making the inner crowns of composite-layered crowns for restoring crowns. 4,820,387, 4-11-89, Cl. 204-4.000.

Yamashita, Hiateru: *See*—

Tanaka, Toshihiro; and Yamashita, Hiateru, 4,819,786, Cl. 198-621.000.

Yamashita, Hideto: *See*—

Kajitani, Kazuo; Nagano, Chikara; Shigehara, Makoto; Osa, Kazuhiko; Arinobe, Eisuke; and Yamashita, Hideto, 4,834,516, Cl. 350-502.000.

Yamashita, Hiroaki: *See*—

Shirakawa, Masakazu; Yamashita, Hiroaki; and Nishida, Toshio, 4,888,728, Cl. 364-900.000.

Yamashita, Hiromitsu, to Mitsubishi Denki Kabushiki Kaisha. Low-frequency converter for carrier chrominance signal. 4,860,120, 8-22-89, Cl. 358-330.000.

Yamashita, Hironori: *See*—

Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, 4,812,203, Cl. 159-6.200.

Yamashita, Hiroshi; and Muto, Kenkichi, to Ricoh Company, Ltd. Method of producing polymer particles having narrow particle size distribution. 4,885,350, 12-5-89, Cl. 526-201.000.

Yamashita, Hiroya; Yamamura, Takeshi; and Yoshimoto, Katsutoshi, to Tokuyama Soda Kabushiki Kaisha. Ni/Sn cathode having reduced hydrogen overvoltage. 4,801,368, 1-31-89 Cl. 204-293.000.

Yamashita, Hiroyuki, to Waikei Trading Kabushiki Kaisha. Cutter for impact-type cutting machine. 4,834,462, 5-30-89, Cl. 299-39.000.

Yamashita, Hiroyuki; Odate, Makoto; Iizuka, Hajime; Kawazura, Hiroshi; Shiga, Yoshio; and Namekawa, Hiroshi, to Mitsui Toatsu Chemicals, Inc. Pyrazoline derivatives for treating cerebrovascular diseases. 4,839,376, 6-13-89, Cl. 514-406.000.

Yamashita, Hiroyuki: *See*—

Fukazawa, Nobuyuki; Kaiho, Tatsuo; and Yamashita, Hiroyuki, 4,814,458, Cl. 546-141.000.

Yamashita, Hisao: *See*—

Miyamoto, Tomohiko; Koyama, Shuntaro; Tomuro, Jinichi; Morihara, Atsushi; Yamashita, Hisao; Takahashi, Sadao; Kida, Eiji; Ueda, Akio; and Takamoto, Shigehito, 4,884,396, Cl. 60-39.120.

Tachi, Takahiro; Kawagoshi, Hiroshi; Kato, Akira; Yamashita, Hisao; Kamo, Tomoichi; Matsuda, Shinpei; Kato, Yasuyoshi; and Nakajima, Fumito, 4,865,827, Cl. 423-239.000.

Yamashita, Ichiro; Wakamiya, Masayuki; Hase, Hiroyuki; and Tokuono, Shinya, to Matsushita Electric Industrial Co., Ltd. Method of operating an amorphous-magnetic-alloy sensor. 4,812,758, 3-14-89, Cl. 324-209.000.

Yamashita, Ichiro; and Takeda, Mamoru, to Matsushita Electric Industrial Co., Ltd. Active matrix circuit for liquid crystal displays. 4,890,097, 12-26-89, Cl. 340-719.000.

Yamashita, Jun-ichi: *See*—

Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Takeda, Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Unemi, Norio, 4,886,877, Cl. 536-23.000.

Yamashita, Kasane: *See*—

Fukushima, Tsutomu; Nakao, Tsugio; Yamashita, Kasane; Komuro, Takao; and Nishi, Katsuhiro, 4,889,697, Cl. 423-140.000.

Yamashita, Katsuji: *See*—

Kano, Fumihiko; Yamane, Takehiko; Yamashita, Katsuji; Hosoe, Kazunori; and Watanabe, Kiyoshi, 4,859,661, Cl. 514-183.000.

Yamashita, Kazuhiro: *See*—

Nomura, Noboru; Yamashita, Kazuhiro; Matsumura, Takayoshi; and Yamaguchi, Midori, 4,828,392, Cl. 356-401.000.

Sato, Takeo; Aoki, Shinichiro; Yamaguchi, Katsumasa; Kaneko, Tadashi; Nomura, Noboru; Koga, Keisuke; and Yamashita, Kazuhiro, 4,870,289, Cl. 250-548.000.

Yamashita, Kazuichi: *See*—

Hashimoto, Naoyuki; Yamashita, Kazuichi; and Yamane, Manabu, 4,823,933, Cl. 198-465.300.

Yamashita, Kazunari: *See*—

Fujimoto, Sachito; and Yamashita, Kazunari, 4,796,589, Cl. 123-489.000.

Yamashita, Kazuo, to Matsushita Electric Industrial Co., Ltd. Latent heat storage apparatus. 4,817,704, 4-4-89, Cl. 165-10.000.

Yamashita, Kazutaka, to Toshiba Kikai Kabushiki Kaisha. Position control apparatus. 4,795,955, 1-3-89, Cl. 318-632.000.

Yamashita, Kazutaka: *See*—

Fujita, Jun; Nakanishi, Yoshinori; Oda, Etsuzi; and Yamashita, Kazutaka, 4,808,895, Cl. 318-384.000.

Yamashita, Keitaro: *See*—

Torino, Mitsuhiro; and Yamashita, Keitaro, 4,814,819, Cl. 355-3.0FU.

Yamashita, Kenichi: *See*—

Kaneko, Masato; Nagakawa, Hiroshi; and Yamashita, Kenichi, 4,800,030, Cl. 252-32.500.

Yamashita, Kenkichi: *See*—

Shimokawa, Ryushi; Ueda, Seiichi; Kamata, Yasuji; Yamashita, Kenkichi; Kato, Kazuo; and Sato, Hideo, 4,888,561, Cl. 330-290.000.

Yamashita, Kiichi, to Hitachi, Ltd. Current switching circuit. 4,806,803, 2-21-89, Cl. 307-571.000.

Yamashita, Kiichi: *See*—

Kotera, Nobuo; Yamashita, Kiichi; Kinoshita, Taizo; Tanaka, Hirotoshi; Tanaka, Satoshi; and Nagata, Minoru, 4,857,769, Cl. 307-450.000.

Tanaka, Satoshi; Tanaka, Hirotoshi; Kinoshita, Taizo; Kotera, Nobuo; Nagata, Minoru; Yamashita, Kiichi; and Watanabe, Tomoyuki, 4,847,550, Cl. 323-313.000.

Yamashita, Kiyotoshi: *See*—

Hamada, Fumio; Yamada, Yoshitaka; and Yamashita, Kiyotoshi, 4,833,069, Cl. 430-496.000.

Yamashita, Ko: *See*—

Nakano, Akira; Higashioka, Hiroshi; Nomura, Masaki; Kawahara, Yoshiharu; Yamashita, Ko; Sano, Yoshito; and Kase, Minoru, 4,861,612, Cl. 426-607.000.

Yamashita, Kohei: *See*—

Ito, Yutaka; Negishi, Kazuo; and Yamashita, Kohei, 4,796,104, Cl. 360-10.300.

Yamashita, Koujirou; Endo, Stunehiro; Miyashita, Kunio; Kashiwazaki, Susumu; and Iizuka, Kenichi, to Hitachi, Ltd. Speed control apparatus for a brushless direct current motor. 4,855,652. 8-8-89, Cl. 318-268.000.

Yamashita, Koujirou: *See*—

Koharagi, Haruo; Tahara, Kazuo; Endo, Tsunehiro; Miyashita, Kunio; Ishii, Yoshitaro; Jyoraku, Fumio; Watanabe, Syuji; Toyoshima, Hisanori; Saito, Kohichi; Hishi, Wakichiro; and Yamashita, Koujirou, 4,880,474, Cl. 134-21.000.

Yamashita, Kyouichi, to Koyo Jidoki Co., Ltd. Method of making punched labels or the like. 4,816,105, 3-28-89, Cl. 156-267.000.

Yamashita, Maki: *See*—

Omaki, Takanobu; Tanii, Junichi; Tsuji, Sadafusa; and Yamashita, Maki, 4,870,437, Cl. 354-64.000.

Yamashita, Masaaki: *See*—

Adaniya, Takeshi; Yamashita, Masaaki; Kubota, Takahiro; Enatsu, Akira; Nikaido, Norio; Miyosawa, Yoshiaki; and Nishimoto, Tadashi, 4,889,775, Cl. 428-62.00B.

Yamashita, Masahiro: *See*—

Aketa, Masahiro; Yamashita, Masahiro; Torii, Satoshi; and Ikeshima, Tetsuro, 4,807,811, Cl. 239-91.000.

Yamashita, Masakazu: *See*—

Koizumi, Toshiaki; Kase, Masao; Otaki, Masatsugu; Yamashita, Masakazu; Tanaka, Kenji; and Matsuura, Ryo, 4,845,700, Cl. 369-75.200.

Nozu, Shinsaku; Kase, Masao; and Yamashita, Masakazu, 4,841,518, Cl. 369-270.000.

Yamashita, Masashi; Sugihara, Koichi; and Kawakami, Hiroshi, to Toyota Jidosha Kabushiki Kaisha. Steering system in wheeled vehicle. 4,860,842, 8-29-89, Cl. 180-140.000.

Yamashita, Masashi: *See*—

Unuma, Sadao; and Yamashita, Masashi, 4,836,430, Cl. 226-74.000.

Yamashita, Masataka: *See*—

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.

Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.

Yamashita, Masatsugu; Yoshimura, Takashi; Hashizume, Shinichi; Bingo, Hideyuki; and Iwakiri, Norio, to Omron Tateisi Electronics Co. Slide switch sideways operation adapter. 4,816,631, 3-28-89, Cl. 200-332.000.

Yamashita, Masatsugu; Iwakiri, Norio; Yamanaka, Sekisuke; and Yanase, Akira, to Omron Tateisi Electronics Co. Electronic component having improved rotary switch detent spring construction and improved terminal seal structure. 4,855,541, 8-8-89, Cl. 200-6.00R.

Yamashita, Masatsugu: *See*—

Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,814,565, Cl. 200-291.000.

Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,833,280, Cl. 200-16.00D.

Sakakino, Takahiro; Yamashita, Masatsugu; and Honda, Sueaki, 4,851,627, Cl. 200-83.00C.

Yamashita, Masayoshi: *See*—

Oda, Takashi; and Yamashita, Masayoshi, 4,806,906, Cl. 340-311.100.

Yamashita, Masayuki: *See*—

Nagai, Kenji; Yamashita, Masayuki; Kanagawa, Masafumi; Sato, Mitsumasa; and Ito, Tsuneo, 4,833,474, Cl. 341-166.000.

Yamashita, Michio: *See*—

Kohsaka, Masanobu; Terano, Hiroshi; Komori, Tadaaki; Iwami, Morita; Yamashita, Michio; Hashimoto, Masashi; Uchida, Itsuo; and Takase, Shigehiro, 4,861,774, Cl. 514-299.500.

Yamashita, Mikihiro; and Furukawa, Kaoru, to Matsushita Electric Works, Ltd. Electronic detector with capacitor sensor and magnetic field sensor for locating an object behind a wall surface. 4,859,931, 8-22-89, Cl. 324-67.000.

Yamashita, Mithuo: *See*—

Ishida, Muneo; Yamashita, Mithuo; Onishi, Masanari; and Tanaka, Masahiro, 4,840,104, Cl. 84-437.000.

Yamashita, Mitsuo; and Nakagawa, Shinji, to Kabushiki Kaisha Toshiba. Electrostatic image apparatus utilizing distortion free development means. 4,809,036, 2-28-89, Cl. 355-3.0DD.

Yamashita, Mitsuru: *See*—

Izuka, Akihiro; Onizawa, Yoshio; and Yamashita, Mitsuru, 4,841,501, Cl. 369-13.000.

Yamashita, Miyuki, to Mitsubishi Paper Mills Limited; and Hirakawa Kogyosha Co., Ltd. Process camera for reproducing multiple images on single film. 4,862,223, 8-29-89, Cl. 355-54.000.

Yamashita, Mototsugu, deceased: *See—*

Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.

Yamashita, Mutsushi: *See—*

Matsushima, Takeshi; Okamoto, Atsutoshi; Takai, Hiromitsu; Ohshima, Tadao; Yamashita, Mutsushi; and Yamamoto, Hiroshi, 4,818,856, Cl. 235-472.000.

Yamashita, Noboru, to Yamaha Corporation. Structure of fall board assembly of keyboard instrument. 4,817,487, 4-4-89, Cl. 84-179.000.

Yamashita, Nobuo; Takahashi, Susumu; and Matsui, Hiroshi, to Olympus Optical Co., Ltd. Apparatus for improving image formed by imaging optical system. 4,824,205, 4-25-89, Cl. 350-96.250.

Yamashita, Nobuo: *See—*

Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.

Yamashita, Norihisa: *See—*

Katoh, Tsuguhiro; Maeda, Kiyoto, Shiroshita, Masao; Yamashita, Norihisa; Sanamitsu, Yuzuru; and Inoue, Satoru, 4,868,178, Cl. 514-241.000.

Katoh, Tsuguhiro; Maeda, Kiyoto; Shiroshita, Masao; Yamashita. Norihisa; Sanemitsu, Yuzuru; and Inoue, Satoru, 4,873,248, Cl. 514-269.000.

Yamashita, Osamu, to Murao Boki Kabushiki Kaisha. Apparatus for removing waste rovings from roving bobbins. 4,827,582, 5-9-89, Cl. 28-293.000.

Yamashita, Ryozo: *See—*

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,804,948, Cl. 340-703.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,812,828, Cl. 340-706.000.

Nishi, Kazuhiko; Ishii, Takatoshi; Yamashita, Ryozo; Yamaoka, Shigemitsu; and Okumura, Takatoshi, 4,864,289, Cl. 340-725.000.

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Yamashita, Seiji; Ohshima, Naoto; and Takada, Shunji, to Fuji Photo Film Co., Ltd. Silver halide photographic material comprising doped divalent metal. 4,806,462, 2-21-89, Cl. 430-604.000.

Yamashita, Seizi: *See—*

Abukawa, Toshimi; Tahara, Kazuo; Murumoto, Katsuji; Koterazawa, Toshiyuki; Hombu, Mitsuyuki; Takahashi, Tadashi; Takamatsu, Shuichi; Ishikura, Hisatugu; Yamamura, Hiroshisa; Tatsuzaki, Toru; Ohmae, Tsutomu; Okuyama, Toshiaki; Yamashita, Seizi; Saito, Shigeki; and Sakai, Masato, 4,875,539, Cl. 180-79.100.

Kimura, Hiroshi; Naito, Shotaro; Miyashita, Kunio; Noto, Yasuo; Sugiura, Noboru; Takahashi, Tadashi; Yamamura, Hirohisa; Yamashita, Seizi; Kawamata, Syooichi; Tajima, Fumio; and Horikoshi, Shigeru, 4,874,053, Cl. 180-79.100.

Nihei, Hideki; Miyashita, Kunio; Saitoh, Kouichi; and Yamashita, Seizi, 4,857,786, Cl. 310-156.000.

Takahashi, Tadashi; Yamashita, Seizi; Miyashita, Kunio; and Kawamata, Syooichi, 4,818,939, Cl. 324-208.000.

Yamashita, Shinichi; Kanno, Hideo; Mizutome, Atsushi; and Inoue, Hiroshi, to Canon Kabushiki Kaisha. Method of driving a display panel. 4,795,239, 1-3-89, Cl. 350-333.000.

Yamashita, Shinichi; Enari, Masahiko; Kuno, Mitsutoshi; Mizutome, Atsushi; and Kanno, Hideo, to Canon Kabushiki Kaisha. Display apparatus and driving method therefor. 4,804,951, 2-14-89, Cl. 340-719.000.

Yamashita, Shinichi: *See—*

Enari, Masahiko; Yamashita, Shinichi; Omata, Satoshi; Kuno, Mitsutoshi; Inoue, Hiroshi; and Osada, Yoshiyuki, 4,816,819, Cl. 340-811.000.

Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.

Kanno, Hideo; Yamashita, Shinichi; Omata, Satoshi; Enari, Masahiko; Kuno, Mitsutoshi; and Osada, Yoshiyuki, 4,881,066, Cl. 340-719.000.

Shimokoriyama, Makoto; Yamashita, Shinichi; Abe, Naoto; Kashida, Motokazu; Takei, Masahiro; and Takahashi, Koji, 4,875,090, Cl. 358-12.000.

Yamashita, Shinji: *See—*

Ikeda, Michiaki; Kaku, Hisayuki; Yamashita, Shinji; Hara, Kenji; and Ono, Hiroyuki, 4,851,771, Cl. 324-208.000.

Inoue, Shinichi; and Yamashita, Shinji, 4,825,965, Cl. 177-25.140.

Kimura, Kenji; Uehara, Masao; Hibino, Hiroki; Uchikubo, Akinobu; Hasegawa, Jun; Kanno, Masahide; Yamashita, Shinji; Sasaki, Masahiko; and Sasagawa, Katuyoshi, 4,816,909, Cl. 358-98.000.

Uehara, Masao; Uchikubo, Akinobu; Hasegawa, Jun; Sasaki, Masahiko; Kanno, Masahide; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,868,647, Cl. 358-98.000.

Uehara, Masao; Sasaki, Masahiko; Kanno, Masahide; Hasegawa, Jun; Yamashita, Shinji; and Sasagawa, Katsuyoshi, 4,887,153, Cl. 358-98.000.

Yamashita, Shiro: *See—*

Torii, Shigeru; Taniguchi, Masatoshi; Sasaoka, Michio; Tomotaki, Yoshihisa; Akada, Mitsuo; Tanaka, Hideo; Suzuki, Akira; and Yamashita, Shiro, 4,886,891, Cl. 549-434.000.

Yamashita, Shoji, to I.B.E. Co., Ltd. Metal treated by a solution containing ferric ferrous salt. 4,797,156, 1-10-89, Cl. 75-251.000.

Yamashita, Shoji: *See—*

Yamagata, Testuo; and Yamashita, Shoji, 4,838,780, Cl. 123-352.000.

Yamashita, Shuichiro: *See—*

Sugimoto, Kenji; Takeuchi, Youji; and Yamashita, Shuichiro, 4,831,906, Cl. 82-118.000.

Yamashita, Shuiichi: *See—*

Kijima, Toshio; Tezuka, Tokuya; Doi, Yoji; Yamashita, Shuiichi; Namba, Shigetoh; and Arie, Tsutomu, 4,880,745, Cl. 435-253.300.

Yamashita, Syoji: *See—*

Takubo, Hiroichi; Isayama, Kazuo; and Yamashita, Syoji, 4,819,505, Cl. 74-603.000.

Yamashita, Syuzo: *See—*

Michizuki, Akira; Sato, Yoshio; Ogawara, Hisashi; and Yamashita, Syuzo, 4,808,313, Cl. 210-500.280.

Yamashita, Takaji; Uchida, Hiroshi; Shimizu, Keiji; and Omura, Tomohide, to Hamamatsu Photonics Kabushiki Kaisha; and Research Development Corporation of Japan. Scintillation detector for three-dimensionally measuring the gamma-ray absorption position and a positron CT apparatus utilizing the scintillation detector. 4,823,016, 4-18-89, Cl. 250-363.030.

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Yamashita, Takashi, to Ikeda Bussan Co., Ltd. Adjustable headrest for automotive seat. 4,858,994, 8-22-89, Cl. 297-391.000.

Yamashita, Takashi; Shidara, Keiichi; Aiba, Masaaki; Takasaki, Yukio; and Hirai, Tadaaki, to Hitachi, Ltd.; and Nippon Hoso Kyokai. Method and apparatus for driving a plurality of pick-up tubes having their cathodes supplied by a common negative potential. 4,860,093, 8-22-89, Cl. 358-50.000.

Yamashita, Takashi: *See—*

Makishima, Tatsuo; Hirai, Tadaaki; Tsuji, Kazutaka; Ishioka, Sachio; Yamashita, Takashi; Shidara, Keiichi; Yamazaki, Junichi; and Aiba, Masaaki, 4,884,011, Cl. 315-368.000.

Sugiyama, Katsumi; Yamashita, Takashi; and Yukawa, Toshihide, 4,822,907, Cl. 560-41.000.

Takasaki, Yukio; Makishima, Tatsuo; Tsuji, Kazutaka; Hirai, Tadaaki; Inoue, Eisuke; Nonaka, Yasuhiko; Goto, Naohiro; Yamamoto, Masanao; Shidara, Keiichi; Tanioka, Kenkichi; Yamashita, Takashi; Kawamura, Tatsuro; Hiruma, Eikyuu; Suzuki, Shirou; and Aiba, Masaaki, 4,866,332, Cl. 313-386.000.

Tanioka, Kenkichi; Shidara, Keiichi; Kawamura, Tatsuro; Yamazaki, Junichi; Hiruma, Eikyuu; Taketoshi, Kazuhisa; Suzuki, Shiro; Yamashita, Takashi; Kosugi, Mitsuo; Ikeda, Yochizumi; Aiba, Masaaki; Hirai, Tadaaki; Takasaki, Yukio; Ishioka, Sachio; Makishima, Tatsuo; Sameshima, Kenji; Uda, Tsuyoshi; Goto, Naohiro; Nonaka, Yasuhiko; Inoue, Eisuke; Tsuji, Kazutaka; and Ogawa, Hirofumi, 4,888,521, Cl. 313-366.000.

Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, 4,820,861, Cl. 560-41.000.

Yamashita, Takemi, heir: *See—*

Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.

Yamashita, Takeo: *See—*

Kumasaka, Niroyuki; Otomo, Shigekazu; Yamashita, Takeo; Saito, Noritoshi; Saitoh, Yokuo; and Sakurai. Hiroshi, 4,851,942, Cl. 360-103.000.

Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; Zama, Hideo; and Morikawa, Juichi, 4,803,338, Cl. 360-122.000.

Kumasaka, Noriyuki; Otomo, Shigekazu; Yamashita, Takeo; and Saito, Noritoshi, 4,847,715, Cl. 360-122.000.

Yamashita, Tatsuo; and Ishiguro, Kazuyoshi, to Kabushiki Kaisha Tokai Rika Denki Seisakusho. Guide rail cover. 4,840,401, 6-20-89, Cl. 280-804.000.

Yamashita, Tatsuo: *See—*

Ando, Takayuki; Ishiguro, Kazuyoshi; Matsui, Kenji; Yamashita, Tatsuo; and Kondo, Toshikatsu, 4,878,692, Cl. 280-804.000.

Matsui, Kenji; Yamashita, Tatsuo; Tanaka, Hideki; and Sakakura, Kouji, 4,846,497, Cl. 280-804.000.

Yamashita, Tohru; and Takematsu, Takaharu, to Mitsubishi Denki Kabushiki Kaisha. Disk file device. 4,878,137, 10-31-89, Cl. 360-98.050.

Yamashita, Tomoharu: *See—*

Nagamoto, Itsushi; Nakanishi, Tatsuo; and Yamashita, Tomoharu, 4,883,623, Cl. 264-108.000.

Yamashita, Tooru: *See—*

Motoyoshi, Takeo; Nakatsukasa, Naoyuki; Tanaka, Katsufusa; and Yamashita, Tooru, 4,827,463, Cl. 369-36.000.

Yamashita, Toshiharu; Amano, Sho; Tajima, Hidemi; Masuda, Isao; and Izumitani, Tetsuro, to Hoya Corporation. Single mode phosphate laser glass fiber. 4,871,230, 10-3-89, Cl. 350-96.340.

Yamashita, Toshiharu: *See—*

Miura, Kiyotaka; Izumitani, Tetsuro; and Yamashita, Toshiharu, 4,806,138, Cl. 65-32.100.

Miura, Kiyotaka; Yamashita, Toshiharu; and Tokida, Minoru, 4,845,057, Cl. 501-40.000.

Yamashita, Toshihiko, to Unisafe Limited. Electronic locking devices. 4,851,828, 7-25-89, Cl. 340-825.310.

Yamashita, Toshihiko, to Unisafe Limited. Method for clearing unlocking key codes in an electronic locking device. 4,868,914, 9-19-89, Cl. 340-825.310.

Yamashita, Toshihiko. Encoding magnetic cards. 4,880,963, 11-14-89, Cl. 235-449.000.

Yamashita, Toshinori, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic drum with angle adjustment. 4,800,795, 1-31-89, Cl. 84-421.000.

Yamashita, Toshinori, to Yamaha Corporation. Foldable electronic bass drum. 4,841,830, 6-27-89, Cl. 84-1.140.

Yamashita, Toshinori, to Yamaha Corporation. Musical instrument stand. 4,878,414, 11-7-89, Cl. 84-421.000.

Yamashita, Toshio: *See—*

Funahashi, Nobuhiro; and Yamashita, Toshio, 4,848,096, Cl. 62-126.000.

Yamashita, Toyoharu: *See—*

Iwakuma, Takeo; Kawaguchi, Takayuki; Yamashita, Toyoharu; Sasaki, Yasuhiko; and Shimazaki, Tamotu, 4,866,196, Cl. 560-012.000.

Yamashita, Tsuneo: *See—*

Hisanaga, Yorisato; Shimokawa, Kazuhiro; Kawano, Toshihiko; Suita, Yasunori; and Yamashita, Tsuneo, 4,876,245, Cl. 514-29.000.

Yamashita, Tsutomu: *See—*

Okutomi, Tsutomu; Chiba, Seishi; Okawa, Mikio; Sekiguchi, Tadaaki; Endo, Hiroshi; and Yamashita, Tsutomu, 4,830,821, Cl. 419-25.000.

Yamashita, Tsuyoshi: *See—*

Nakamura, Mitsuo; and Yamashita, Tsuyoshi, 4,823,909, Cl. 181-290.000.

Yomogida, Toshihiko; Yamashita, Tsuyoshi; Yamamoto, Shigeo; Tobita, Hideaki; Nakamura, Hisanori; and Kobayashi, Goro, 4,881,220, Cl. 370-16.000.

Yamashita, Wakio: *See—*

Yamamoto, Katsuyuki; Itoh, Kazutoyo; Kishimoto, Kazuo; and Yamashita, Wakio, 4,815,921, Cl. 414-331.000.

Yamashita, Yohachi; Furukawa, Osamu; Harata, Mitsuo; and Takahashi, Takashi, to Kabushiki Kaisha Toshiba. High dielectric constant type ceramic composition. 4,818,736, 4-4-89, Cl. 501-136.000.

Yamashita, Yoshikazu; and Ikenaga, Toshiharu, to Okamura Corporation. Vertical excursion accommodation apparatus. 4,877,121, 10-31-89, Cl. 198-475.100.

Yamashita, Yoshimi; Kosemura, Kinjiro; Ishiwari, Hidetoshi; Yamamoto, Sumio; and Kuroda, Shigeru, to Fujitsu Limited. Method of producing a two-dimensional electron gas semiconductor device. 4,849,368, 7-18-89, Cl. 437-41.000.

Yamashita, Yoshinari: *See—*

Osada, Hisashi; Fujioka, Hideaki; Kato, Ikuo; and Yamashita, Yoshinari, 4,807,036, Cl. 358-196.000.

Yamashita, Yoshinori: *See—*

Murano, Katsuaki; Hirano, Sadayuki; Yamashita, Yoshinori; Tatsumi, Takumi; and Yamamoto, Hiroaki, 4,856,380, Cl. 74-866.000.

Yamashita, Yoshio; Kawazu, Ryuji; Itoh, Toshio; Asano, Takateru; and Kobayashi, Kenji, to Oki Electric Industry Co., Ltd. Method of forming a photoresist pattern. 4,801,518, 1-31-89, Cl. 430-325.000.

Yamashita, Yoshio: *See—*

Ito, Toshio; Sakata, Miwa; Yamashita, Yoshio; Asano, Takateru; and Kobayashi, Kenji, 4,845,143, Cl. 525-328.800.

Kaifu, Katsuaki; Kosuge, Maki; Yamashita, Yoshio; Asano, takateru; and Kobayashi, Kenji, 4,889,795, Cl. 430-326.000.

Yamashita, Yoshisato: *See—*

Fujita, Toshio; Yamashita, Yoshisato; Yoshida, Shigemitsu; and Yamahira, Katsutoshi, 4,881,963, Cl. 71-64.070.

Yamashita, Yuji: *See—*

Kano, Atsushi; Ishiguro, Yasuyuki; Ogiri, Tadakazu; Ozaki, Hirofumi; and Yamashita, Yuji, 4,860,056, Cl. 355-298.000.

Yamasita, Nobuo; Kanamori, Iwao; and Hattori, Shinichiro, to Olympus Optical Co., Ltd. Endoscope. 4,801,792, 1-31-89, Cl. 250-205.000.

Yamasoe, Katsuyoshi, to Nippon Paint Co., Ltd. Surface treatment chemical for forming a hydrophilic coating. 4,828,616, 5-9-89, Cl. 106-14.130.

Yamasoe, Katsuyoshi; Ikeda, Satoshi; and Yasuhara, Kiyotada, to Amchem Products, Inc. Method of controlling an aluminum surface cleaning composition. 4,851,148, 7-25-89, Cl. 252-142.000.

Yamasoe, Katsuyoshi; Yasuhara, Kiyotado; and Ikeda, Satoshi, to Amchem Products, Inc. Aluminum surface cleaning agent. 4,886,616, 12-12-89, Cl. 252-142.000.

Yamataka, Kazunori: *See—*

Yokota, Masahisa; Shimizu, Atsushi; Komiya, Kyosuke; Yamataka, Kazunori; and Nonura, Tadanori, 4,855,377, Cl. 528-25.000.

Yamatake-Honeywell Co., Ltd.: *See—*

Aoshima, Shigeru; Kamiunten, Shoji; and Maeda, Shosaku, 4,825,704, Cl. 73-861.420.

Hamakawa, Yoshihiro; Koike, Funio; and Miyagishi, Tetsuya, 4,820,915, Cl. 250-211.00J.

Kadoya, Norio; Kawachi, Jun; and Miyazawa, Keiji, 4,841,296, Cl. 340-870.160.

Kajiura, Koichi, 4,831,375, Cl. 340-870.390.

Kawachi, Junji; Awa, Shunichiro; and Ohtani, Keizo, 4,841,776, Cl. 73-706.000.

Kobayashi, Koji, 4,860,000, Cl. 340-825.500.

Murate, Tsuneo; and Suzuki, Shin, 4,855,674, Cl. 324-158.00R.

Yamatani, Akira: *See—*

Fujihara, Takeo; Yamatani, Akira; Yamamoto, Masanori; and Kubo, Takako, 4,795,082, Cl. 229-109.000.

Yamato, Akihiro; and Hashiguchi, Makoto, to Honda Giken Kogyo Kabushiki Kaisha. Intake air quality control method for internal combustion engines at termination of fuel cut operation. 4,840,156, 6-20-89, Cl. 123-339.000.

Yamato, Akihiro; and Yakuwa, Masahiko, to Honda Giken Kogyo Kabushiki Kaisha. Abnormality detecting method for exhaust gas concentration sensor for internal combustion engines. 4,844,038, 7-4-89, Cl. 123-479.000.

Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, to Kureha Kagaku Kogyo Kabushiki Kaisha. Method for inhibiting the formation of urinary calculus utilizing $24,25\text{-}(OH)_2\text{-}D_3$. 4,866,047, 9-12-89, Cl. 514-167.000.

Yamato, Hiroyasu: *See—*

Ogata, Norio; Yamato, Hiroyasu; and Senga, Minoru, 4,810,773, Cl. 528-388.000.

Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, to Hitachi, Ltd. Current and frequency converter having means to reduce switching losses. 4,855,887, 8-8-89, Cl. 363-8.000.

Yamato, Ikuo; Tokunaga, Norikazu; Matsuda, Yasuo; and Amano, Hisao, to Hitachi, Ltd. Pulse width modulated inverter with high-to-low frequency output converter. 4,878,163, 10-31-89, Cl. 363-8.000.

Yamato Kogyo Co., Ltd.: *See—*

Furubayashi, Tadashi; Yamada, Kazuo; and Fujitani, Hitoshi, 4,838,606, Cl. 296-188.000.

Yamato Kogyo Kabushiki Kaisha: *See—*

Karakawa, Kazuo, 4,830,061, Cl. 138-168.000.

Karakawa, Kazuo, 4,838,318, Cl. 138-166.000.

Karakawa, Kazuo, 4,846,512, Cl. 285-424.000.

Yamato, Koichi: *See—*

Aizawa, Tamio; Takahara, Kyoji; and Yamato, Koichi, 4,845,651, Cl. 364-522.000.

Yamato Kosan Co., Ltd.: *See—*

Iishiki, Naotsugu; Okano, Shigetou; and Mishima, Shiro, 4,876,856, Cl. 60-671.000.

Yamato, Masatoshi, to Mect Corporation. Quinoline base compound, process for the preparation thereof and anticancer agent containing the same as pharmacologically efficacious component. 4,826,850, 5-2-89, Cl. 514-284.000.

Yamato Mishin Seizo Kabushiki Kaisha: *See—*

Matsumoto, Takeshi, 4,883,010, Cl. 112-288.000.

Yamato, Motoyuki; Ueno, Susumu; Okumura, Kinichi; and Fuchi, Masao, to Nippon Zeon Co., Ltd. Process for preparing thermosetting resin. 4,853,435, 8-1-89, Cl. 525-193.000.

Yamato, Osamu; Horii, Hiroyuki; Takino, Tetsuji; Yamasaki, Takanori; Sakurai, Yoshimitu; Matsukura, Hisao; and Iwase, Ichiro, to Oki Electric Industry Co., Ltd. Dielectric filter. 4,808,951, 2-28-89, Cl. 333-202.000.

Yamato, Osamu; and Takino, Tetsuji, to Oki Electric Industry Co., Ltd. Dielectric block plating process. 4,877,493, 10-31-89, Cl. 204-15.000.

Yamato, Osamu; and Takino, Tetsuji, to Oki Electric Industry Co., Ltd. Dielectric block plating apparatus. 4,882,026, 11-21-89, Cl. 204-275.000.

Yamato, Osamu: *See—*

Matsukura, Hisao; Yamato, Osamu; and Horii, Hiroyuki, 4,855,693, Cl. 333-202.000.

Yamato Scale Company, Ltd.: *See—*

Hirose, Hideaki; Yoshida, Shigeru; and Kohashi, Toru, 4,832,092, Cl. 141-1.000.

Inoue, Shinichi; and Hayashi, Junichi, 4,815,548, Cl. 177-187.000.

Inoue, Shinichi; and Toyoda, Yoshiharu, 4,817,026, Cl. 364-724.010.

Inoue, Shinichi; and Yamashita, Shinji, 4,825,965, Cl. 177-25.140.

Inoue, Shinichi; and Yamanaka, Masami, 4,858,145, Cl. 364-506.000.

Kawanishi, Shozo; and Higuchi, Tadashi, 4,874,048, Cl. 177-25.180.

Mikata, Yoshitaka; Higuchi, Tadashi; and Miyamoto, Isao, 4,813,205, Cl. 53-53.000.

Mikata, Yoshitaka, 4,825,896, Cl. 177-25.180.

Toyoda, Yoshiharu; Mikata, Yoshitaka; and Yamano, Shoji, 4,840,240, Cl. 177-25.180.

Yamano, Shoji, 4,836,310, Cl. 177-25.180.

Yamato Scale Company, Limited of Akashi, Japan: *See—*

Hayashi, Junichi, 4,848,495, Cl. 177-187.000.

Yamato Scientific Company, Limited: *See—*

Saito, Tatsuhiko; Takabatake, Hikaru; Mori, Hiroaki; Ida, Masahiro; and Orii, Takeshi, 4,828,395, Cl. 366-143.000.

Yamato, Yoshihiro; and Gomibuchi, Tadashi, to Toyo Glass Company Limited. Vacuum degree inspecting device for sealed up vessel. 4,850,696, 7-25-89, Cl. 356-237.000.

Yamato, Yoshihisa: *See—*

Ono, Akira; Fuse, Toshikazu; Miyamoto, Osamu; Makino, Shoso; Yamato, Yoshihisa; Kametani, Hiroshi; Tokura, Susumu; Tanaka, Hiromi; Ito, Toru; Nakao, Hitomi; Tokuoka, Shuji; and Takeda, Toshihide, 4,882,220, Cl. 428-240.000.

Yamato, Yoshiro, to Shimano Industrial Company Limited. Fishing rod. 4,860,482, 8-29-89, Cl. 43-18.100.

Yamato, Yoshiro, to Shimano Industrial Company Limited. Fishing reel fixture. 4,864,764, 9-12-89, Cl. 43-22.000.

Yamato, Yoshiro, to Shimano Industrial Company Limited. Fishing rod. 4,870,774, 10-3-89, Cl. 43-23.000.

- Yamato, Yoshiro, to Shimano Industrial Company Limited. Fishing line guide. 4,888,906, 12-26-89, Cl. 43-24.000.
- Yamatoh, Kouhei; Ogura, Masami; Kanbe, Katunori; and Isogai, Yuji, to Honda Giken Kogyo Kabushiki Kaisha. Piezoelectric brake device. 4,854,424, 8-8-89, Cl. 188-72.100.
- Yamatoh, Kouhei; and Ogura, Masami, to Honda Giken Kogyo Kabushiki Kaisha. Brake device. 4,860,859, 8-29-89, Cl. 188-72.100.
- Yamatoya & Co., Ltd.: *See—*
  - Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,811,108, Cl. 358-298.000.
  - Numakura, Takashi; Numakura, Iwao; and Kitazawa, Susumu, 4,833,546, Cl. 358-283.000.
- Yamatsu, Isao; Inai, Yuichi; Abe, Shinya; Suzuki, Takeshi; Suzuki, Yoshikazu; Tagaya, Osamu; Suzuki, Kouichi; Abe, Kouichi; and Yamada, Kouji, to Eisai Co., Ltd. Method of treating cancerous and precancerous conditions. 4,835,183, 5-30-89, Cl. 514-549.000.
- Yamatsu, Isao; Suzuki, Takeshi; Abe, Shinya; Nakamoto, Kouji; Kajiwara, Akiharu; Murakami, Manabu; Oketani, Kiyoshi; and Fujisaki, Hideaki, to Eisai Co., Ltd. Polyprenyl compound and pharmaceutical use. 4,888,439, 12-19-89, Cl. 560-129.000.
- Yamatsu, Isao: *See—*
  - Ikuta, Hironori; Yamagishi, Youji; Akasaka, Kozo; Yamatsu, Isao; Kobayashi, Seiichi; Shirota, Hiroshi; and Katayama, Kouichi, 4,833,160, Cl. 514-424.000.
  - Nakamoto, Kouji; Suzuki, Takeshi; Abe, Shinya; Hayashi, Kenji; Kajiwara, Akiharu; Yamatsu, Isao; Otsuka, Issei; and Shiojiri, Hiroyuki, 4,883,916, Cl. 564-186.000.
  - Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.
- Yamatsuta, Kiichi: *See—*
  - Endo, Noboru; Kikuchi, Yutaka; Yamatsuta, Kiichi; and Goto, Shoji, 4,822,525, Cl. 252-629.000.
- Yamauchi, Akihiro: *See—*
  - Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,833,113, Cl. 502-309.000.
  - Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,855,115, Cl. 423-239.000.
  - Miyazawa, Masaki; Kobayashi, Norihisa; Takatsuka, Hiromu; Morii, Atsushi; Koyanagi, Toshio; Seto, Touru; Iida, Kozo; Mitsuoka, Shigeaki; Rikimaru, Hiroaki; Imanari, Makoto; Koshikawa, Takeo; Yamauchi, Akihiro; Hanada, Masayuki; Fukuda, Morio; and Nagano, Kiyoshi, 4,869,735, Cl. 55-72.000.
- Yamauchi, Fumio: *See—*
  - Miura, Tokuki; and Yamauchi, Fumio, 4,864,207, Cl. 318-587.000.
- Yamauchi, Hidetoshi: *See—*
  - Sato, Yasuyuki; Saito, Shinji; and Yamauchi, Hidetoshi, 4,882,455, Cl. 174-68.500.
- Yamauchi, Hiroaki; Mitani, Toragoro; and Komabashiri, Takamichi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Scale deposition preventing agent. 4,795,800, 1-3-89, Cl. 528-229.000.
- Yamauchi, Hiroaki: *See—*
  - Komabashiri, Takamichi; Mitani, Toragoro; Yamauchi, Hiroaki; and Yasui, Hideo, 4,863,524, Cl. 134-22.190.
- Yamauchi, Hirohiko: *See—*
  - Azuma, Makoto; Takahashi, Jun; Yamauchi, Hirohiko; and Ueda, Nobuo, 4,880,616, Cl. 424-1.100.
  - Sakata, Isao; Nakajima, Susumu; Koshimizu, Koichi; Samejima, Natsuki; Inohara, Kazumi; Takata, Hiroyuki; Yamauchi, Hirohiko; Ueda, Nobuo; and Hazue, Masaaki, 4,849,207, Cl. 424-1.100.
- Yamauchi, Hironori: *See—*
  - Nakanishi, Tadashi; and Yamauchi, Hironori, 4,837,791, Cl. 377-49.000.
- Yamauchi, Hiroshige: *See—*
  - Maekawa, Toshio; Yamauchi, Hiroshige; Toyota, Takashi; Sawayama, Akeo; and Yamanaka, Masaaki, 4,795,676, Cl. 428-328.000.
- Yamauchi, Hiroto: *See—*
  - Doi, Nobukazu; Imai, Hideki; Izumita, Morishi; Mita, Seiichi; Saito, Akira; Yamauchi, Hiroto; Kaneko, Mamoru; and Amano, Tetsuya, 4,827,489, Cl. 375-94.000.
  - Izumita, Morishi; Mita, Seiichi; Doi, Nobukazu; Umemoto, Masuo; Yamauchi, Hiroto; Fujino, Shigeaki; and Murata, Nobuo, 4,868,853, Cl. 375-111.000.
- Yamauchi, Junnosuke: *See—*
  - Kohno, Hiroji; Moritani, Kohji; Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, 4,835,198, Cl. 524-47.000.
  - Sato, Toshiaki; Yamauchi, Junnosuke; and Okaya, Takuji, 4,818,787, Cl. 525-62.000.
  - Sato, Toshiaki; Yuki, Ken; Yamauchi, Junnosuke; and Okaya, Takuji, 4,818,788, Cl. 525-62.000.
- Yamauchi, Kazuhisa: *See—*
  - Nishio, Masanobu; Sawada, Kazuo; Yamauchi, Kazuhisa; and Yosimura, Saburo, 4,804,153, Cl. 242-78.100.
- Yamauchi, Kazuki: *See—*
  - Sato, Takashi; Yamauchi, Kazuki; and Ishibashi, Norio, 4,862,281, Cl. 358-400.000.
- Yamauchi, Keiichi, to Pioneer Electronic Corporation. Multi-format optical disk recording/reproducing system. 4,800,550, 1-24-89, Cl. 369-59.000.
- Yamauchi, Keiichi, to Pioneer Electronic Corporation. Optical disk and optical disk apparatus with pause mode protection feature. 4,817,068, 3-28-89, Cl. 369-30.000.
- Yamauchi, Ken: *See—*
  - Yabe, Nobol; Hirata, Kazumasa; Mori, Shuri; and Yamauchi, Ken, 4,809,078, Cl. 358-236.000.
- Yamauchi, Kiyotaka; Yoshizawa, Yoshihito; and Nakajima, Shin, to Hitachi Metals, Ltd. High-voltage pulse generating apparatus. 4,871,925, 10-3-89, Cl. 307-106.000.
- Yamauchi, Kiyotaka: *See—*
  - Nakajima, Shin; Yamauchi, Kiyotaka; and Shimoe, Osamu, 4,811,187, Cl. 363-25.000.
  - Nakajima, Shin; and Yamauchi, Kiyotaka, 4,827,214, Cl. 324-222.000.
  - Yoshizawa, Yoshihito; Yamauchi, Kiyotaka; and Oguma, Shigeru, 4,881,989, Cl. 148-302.000.
- Yamauchi, Koudou: *See—*
  - Miwa, Hideo; Tsuruoka, Kazuhiro; Yamauchi, Koudou; Endoh, Hitoshi; and Odaka, Masanori, 4,879,681, Cl. 365-189.010.
- Yamauchi, Kouichi: *See—*
  - Ueda, Kouichi; Yamauchi, Kouichi; Takebayashi, Hiroaki; and Rokkaku, Kazuo, 4,808,014, Cl. 384-492.000.
- Yamauchi, Masaaki: *See—*
  - Shirai, Shoji; Takahashi, Yoshiaki; Yamauchi, Masaaki; Furuyama, Masayoshi; Noguchi, Kazunari; and Ishii, Sakae, 4,851,741, Cl. 315-382.000.
- Yamauchi, Mineo: *See—*
  - Ito, Yoshikazu; Akada, Masanori; Kutsukake, Masaki; Yamauchi, Mineo; Saito, Masanori; Takano, Atsushi; Takeda, Hideichiro; and Arita, Hitoshi, 4,820,686, Cl. 503-227.000.
  - Kawasaki, Sadanobu; Yamauchi, Mineo; and Akada, Masanori, 4,820,687, Cl. 503-227.000.
  - Yamakawa, Noboru; and Yamauchi, Mineo, 4,883,234, Cl. 242-67.30R.
- Yamauchi, Nobuhiro, to Aisin Seiki Kabushiki Kaisha. Pantograph jack. 4,836,502, 6-6-89, Cl. 254-126.000.
- Yamauchi, Nobuhiro; and Yoshie, Koichi, to Aisin Seiki Kabushiki Kaisha; and Toyota Jidosha Kabushiki Kaisha. Vehicle jack assembly. 4,848,733, 7-18-89, Cl. 254-126.000.
- Yamauchi, Noriaki; Ikeou, Shinnei; and Imada, Kunihiko, to Sumitomo Chemical Company, Limited. Aqueous liquid dye composition of C.I. reactive blue ZI and caprolactam or N-methyl pyrrolidone 4,834,771, 5-30-89, Cl. 8-527.000.
- Yamauchi, Noriaki; Imada, Kunihiko; and Kayane, Yutaka, to Sumitomo Chemical Company, Limited. Demineralization of aqueous liquid dye composition. 4,842,614, 6-27-89, Cl. 8-564.000.
- Yamauchi, Noriaki: *See—*
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  - Yokogawa, Kazufumi; Yamauchi, Noriaki; and Omura, Takashi, 4,824,942, Cl. 534-642.000.
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  - Kawai, Kazuaki; Ishida, Hitoshi; and Yamauchi, Noriyoshi, 4,852,634, Cl. 164-457.000.
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  - Hayakawa, Tsuyoshi; Yamauchi, Satoru; Watanabe, Isato; and Kondo, Isao, 4,796,239, Cl. 368-88.000.
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  - Aizawa, Masanobu; Yamauchi, Shigekazu; and Hisatake, Yu 4,837,058, Cl. 428-1.000.
  - Tanaka, Masahi; Yamauchi, Shigekazu; and Mikita, Masa 4,834,051, Cl. 123-440.000.
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  - Yoneda, Takao; Yamauchi, Tadashi; and Sakakibara, Yasu 4,815,000, Cl. 364-474.340.
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  - Isobe, Shinichi; and Yamauchi, Takashi, 4,802,083, Cl. 364-191.000.
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  - Nogi, Toshiharu; Yamauchi, Teruo; and Oyama, Yoshishige, 4,865,006, Cl. 123-590.000.
- Yamauchi, Tomoko: *See—*
  - Nara, Seietsu; and Yamauchi, Tomoko, 4,814,591, Cl. 235-380.000.
- Yamauchi, Toshio: *See—*
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  - Kitagawa, Masahiko; Tomomura, Yoshitaka; Yamaue, Satoshi; and Nakajima, Shigeo, 4,869,776, Cl. 156-610.000.
- Yamaura, Junichi: *See—*
  - Toyoguchi, Yoshinori; Yamaura, Junichi; Matsui, Tooru; and Iijima, Takashi, 4,851,309, Cl. 429-194.000.
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- Yamaura, Tatsuo: *See—*
  - Watanabe, Teruo; and Yamaura, Tatsuo, 4,835,445, Cl. 315-58.000.
- Yamaura, Tetsuaki: *See—*
  - Sekine, Yasuo; Hirakawa, Nobuhiro; Kashiwaba, Noriaki; Yamaura, Tetsuaki; Harada, Hisako; Kutsuma, Teruo; Matsumoto, Hajime; Sekine, Akihiro; and Isowa, Yoshikazu, 4,837,316, Cl. 546-214.000.
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  - Chang-qing, Qi; Jie, Tian; Marunaka, Teruyoshi; Yamada, Yuji; Yamawaki, Ichiro; Ohtani, Toshio; Minami, Yoshinori; and Saito, Hitoshi, 4,814,449, Cl. 546-36.000.
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  - Kimata, Masafumi; Yamawaki, Masao; and Asai, Sotoju, 4,831,426, Cl. 357-24.000.
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  - Kaieda, Takeji; Yamada, Kimimasa; and Yamawaki, Naokuni, 4,839,290, Cl. 435-240.230.
- Yamawaki, Takayuki: *See—*
  - Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.
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  - Shibanuma, Tadao; Nakano, Kohji; Nagano, Noriaki; Murakami, Yukiyasu; Hara, Ryuichiro; Koda, Akio; and Yamazaki, Atsuki, 4,845,211, Cl. 540-224.000.
- Yamazaki, Atsushi: *See—*
  - Coe, Thomas U.; Yamazaki, Atsushi; and Krishnan, Chris, 4,823,578, Cl. 72-47.000.
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- Yamazaki Corporation: *See—*
  - Nakamura, Kazuo; and Keiko, Yasuaki, 4,809,387, Cl. 15-119.00R.
  - Tsukamoto, Koji, 4,811,446, Cl. 15-147.00R.
  - Yoshimura, Kouichi; and Ishii, Tsuyoshi, 4,823,422, Cl. 15-41.00R.
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- Yamazaki, Etsuo, to Fanuc Ltd. Laser oscillator control circuit. 4,890,291, 12-26-89, Cl. 372-38.000.
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  - Karube, Norio; Egawa, Akira; Yamazaki, Etsuo; Iehisa, Nobuaki; and Manabe, Mitsuo, 4,887,272, Cl. 372-38.000.
  - Suzuki, Hirosuke; Yamazaki, Etsuo; and Sato, Yoshiaki, 4,796,046, Cl. 355-3.0FU.
- Yamazaki, Etuo, to Fanuc Ltd. Deceleration control for tracer control equipment. 4,851,750, 7-25-89, Cl. 318-576.000.
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- Yamazaki, Fumio: *See—*
  - Saito, Katushi; Shindou, Yoshio; Murata, Toshimichi; Yamazaki, Fumio; and Shimazu, Takashi, 4,861,441, Cl. 204-38.700.
  - Shindo, Yoshio; Wada, Koichi; and Yamazaki, Fumio, 4,853,295, Cl. 428-621.000.
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  - Shindou, Yoshio; Kabeya, Motoo; Shimazu, Takashi; and Yamazaki, Fumio, 4,876,160, Cl. 428-623.000.
- Yamazaki, Heima: *See—*
  - Noguchi, Kosaku; Tanaka, Honami; Yamazaki, Heima; and Ohmoto, Yoshiharu, 4,828,682, Cl. 208-131.000.
- Yamazaki, Hideo, to Ricoh Company, Ltd. Printing paper reversing device. 4,842,430, 6-27-89, Cl. 400-708.000.
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  - Miura, Teiji; Yamazaki, Hideo; Abe, Nobumasa; Okamura, Toshihide; Morozumi, Hideki; and Matsuo, Tatsuki, 4,838,657, Cl. 350-336.000.
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  - Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
  - Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.
- Yamazaki, Hidetoshi: *See—*
  - Imai, Tooru; Mutou, Kouichi; Yamazaki, Hidetoshi; and Murata, Masae, 4,797,865, Cl. 369-39.000.
  - Sone, Toshinao; Urata, Hiroshi; Nakamura, Michio; Takahashi, Tooru; Yamazaki, Hidetoshi; and Tokita, Kiyoshi, 4,827,180, Cl. 313-404.000.
- Yamazaki, Hiroaki: *See—*
  - Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, 4,800,201, Cl. 514-230.800.
  - Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, 4,804,668, Cl. 514-314.000.
- Yamazaki, Hiroshi, to Tanaka Kikinzoku Kogyo K.K. Process for preparing rhodium nitrate solution. 4,844,879, 7-4-89, Cl. 423-395.000.
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- Yamazaki, Hiroshi: *See—*
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  - Ogihara, Masuo; Ishida, Hiroyuki; Nagaoka, Shinji; Seki, Youichi; Tagami, Shigeru; Yamazaki, Hiroshi; and Shinozaki, Nobuo, 4,881,096, Cl. 354-400.000.

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Yamazaki, Katsuyuki: *See—*

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Yamazaki, Kazunori; Soyama, Yoshikazu; Tanaka, Muneo; and Kitamura, Chigusa, to Shiseido Company Ltd. Nail cosmetic composition. 4,820,509, 4-11-89, Cl. 424-61.000.

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Katsumata, Minoru; Yanagawa, Hisaharu; Ohta, Kousaku; Inao, Katsuzou; and Ichinowatari, Koh, 4,868,816, Cl. 370-95.200.

Yanagawa, Ichiro; and Wachi, Yuzi, to Jidosha Kiki Co., Ltd. Exhaust brake system. 4,825,982, 5-2-89, Cl. 188-273.000.

Yanagawa, Koichi; and Yagi, Kazuyuki, to Hewlett-Packard Company. Floating driver circuit and a device for measuring impedances of electrical components. 4,795,962, 1-3-89, Cl. 324-57.00R.

Yanagawa, Koichi: *See—*
Tanaka, Hideshi; Yagi, Kazuyuki; Tanimoto, Shigeru; Komatsu, Yasuaki; Yanagawa, Koichi; and Kuboyama, Yoichi, 4,885,528, Cl. 324-57.00R.

Yanagawa, Koyo: *See—*
Ichikawa, Kenji; Nomura, Osamu; Kawabe, Yoichiro; and Yanagawa, Koyo, 4,842,647, Cl. 106-38.200.

Yanagawa, Moriyuki; Ishida, Shunichi; Ogura, Ken; and Saito, Yushi, to Nippon Hyomen Kagaku Kabushiki Kaisha. Zinc-nickel alloy plating solution. 4,877,496, 10-31-89, Cl. 204-44.200.

Yanagawa, Yoshitaka: *See—*
Lever, Gordon; and Yanagawa, Yoshitaka, 4,810,510, Cl. 426-233.000.

Yanagawa, Yutaka, to Olympus Optical Co., Ltd. Ultrasonic diagnostic apparatus with multiple focal lengths. 4,850,363, 7-25-89, Cl. 128-660.090.

Yanagawa, Yutaka; and Taniguchi, Akira, to Olympus Optical Co. Ltd. Multiple diagnosable distance range ultrasonic diagnostic apparatus. 4,860,758, 8-29-89, Cl. 128-662.060.

Yanagawa, Yutaka, to Olympus Optical Co., Ltd. Ultrasonic imaging apparatus. 4,880,009, 11-14-89, Cl. 128-660.090.

Yanagen Company Ltd.: *See—*
Yanagida, Satoshi, 4,884,554, Cl. 126-21.00R.

Yanagi, Akihiko: *See—*
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yamaguchi, Naoko; Yanagi, Akihiko; Hayakawa, Hidenori; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,804,394, Cl. 71-92.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,828,604, Cl. 71-90.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Hayakawa, Hidenori; and Yagi, Shigeki, 4,836,844, Cl. 71-90.000.
Kume, Toyohiko; Goto, Toshio; Kamochi, Atsumi; Yanagi, Akihiko; Yagi, Shigeki; and Miyauchi, Hiroshi, 4,845,230, Cl. 548-139.000.

Yanagi, Hisao, to Tokyo Shibaura Denki Kabushiki Kaisha. Data conversion circuit. 4,799,040, 1-17-89, Cl. 341-101.000.

Yanagi, Kenichi; Mito, Yoshiki; and Hayashi, Kanji, to Mitsubishi Jukogyo Kabushiki Kaisha. Belt type continuous casting machine. 4,869,310, 9-26-89, Cl. 164-431.000.

Yanagi, Kenichi: *See—*
Harada, Masahiro; Yanagi, Kenichi; Fukushima, Takeo; Furukawa, Kusuo; Soeda, Naohiko; Ohta, Norio; Sato, Kuniaki; and Nakajima, Yasuhisa, 4,836,774, Cl. 432-8.000.

Yanagi, Kunihiro: *See—*
Nakayama, Yoshiyuki; Yanagi, Kunihiro; and Mori, Kenjiro, 4,806,919, Cl. 340-721.000.

Yanagi, Tadashi: *See—*
Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890,294, Cl. 372-57.000.

Yanagi, Toru: *See—*
Osaka, Keiji; Yanagi, Toru; and Asano, Yasuo, 4,812,010, Cl. 350-96.220.

Yanagibashi, Katsumi: *See—*
Nikaido, Masaru; Okunoyama, Hikaru; Yanagibashi, Katsumi; and Ouchi, Yoshiaki, 4,868,584, Cl. 346-76.0PH.

Yanagida, Kouichi; Kano, Shinichiro; Gotou, Takeshi; and Hirose, Takashi, to Kojima Press Industry Co., Ltd. Muffler. 4,874,062, 10-17-89, Cl. 181-250.000.

Yanagida, Satoshi, to Yanagen Company Ltd. Spit roaster. 4,884,554, 12-5-89, Cl. 126-21.00R.

Yanagida, Shoji: *See—*
Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki Hideto; and Hashimoto, Eiji, 4,795,284, Cl. 400-352.000.

Yanagida, Takehiko: *See—*
Kuwahara, Heikichi; Takahashi, Kenji; Yanagida, Takehiko; Nakayama, Wataru; Sugimoto, Shigeo; and Oizumi, Kiyoshi, 4,794,775, Cl. 72-78.000.

Yanagida, Tsuneo: *See—*
Motoyama, Kazuyasu; Yanagida, Tsuneo; Sakai, Mitsugu; Ichikawa, Hitoshi; and Yoshizawa, Akihiko, 4,837,758, Cl. 369-13.000.

Yanagida, Yukitoshi: *See—*
Inaba, Hiroshi; Nakase, Kiyoshi; and Yanagida, Yukitoshi, 4,818,352, Cl. 204-59.00R.
Inaba, Hiroshi; Nakase, Kiyoshi; Yanagida, Yukitoshi; and Nishii, Hiroyuki, 4,850,684, Cl. 350-357.000.

Yanagihara, Hiromi, legal representative: *See—*
Itagaki, Kazuo; Yanagihara, Toshimichi, deceased; Maruzeni, Shouji; and Yasuda, Nozomi, 4,844,940, Cl. 426-607.000.
Maruzeni, Shouji; and Yanagihara, Toshimichi, deceased, 4,837,041, Cl. 426-611.000.

Yanagihara, Hitoshi: *See—*
Yamada, Masamichi; Kurebayashi, Masaaki; Saito, Masakatsu; Yanagihara, Hitoshi; Konishi, Katsuo; and Tsuchiya, Toshio, 4,799,118, Cl. 360-125.000.

Yanagihara, Kazuhiko: *See—*
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,836,652, Cl. 350-334.000.
Oishi, Hisao; Yanagihara, Kazuhiko; Miyakawa, Tadashi; Nakamura, Takeshi; Akimoto, Kazuhiko; and Shioji, Mitsuaki, 4,842,379, Cl. 350-347.00E.

Yanagihara, Naoto; Ikeda, Kensuke; Satomura, Masato; Wakata, Yuichi; and Iwakura, Ken, to Fuji Photo Film Co., Ltd. Recording material. 4,835,133, 5-30-89, Cl. 503-210.000.

Yanagihara, Naoto: *See—*
Ikeda, Kensuke; Yanagihara, Naoto; and Iwakura, Ken, 4,839,332, Cl. 503-212.000.

Yanagihara, Nobuyuki: *See—*
Ikoma, Munehisa; Kawano, Hiroshi; Matsumoto, Isao; and Yanagihara, Nobuyuki, 4,837,119, Cl. 429-206.000.

Yanagihara, Toshimichi, deceased: *See—*
Itagaki, Kazuo; Yanagihara, Toshimichi, deceased; Maruzeni, Shouji; and Yasuda, Nozomi, 4,844,940, Cl. 426-607.000.
Maruzeni, Shouji; and Yanagihara, Toshimichi, deceased, 4,837,041, Cl. 426-611.000.

Yanagimachi, Motoshige: *See—*
Oike, Hitoshi; and Yanagimachi, Motoshige, 4,875,961, Cl. 156-234.000.

Yanagimoto, Takayuki: *See—*
Kusabe, Takashi; Abe, Hideo; Torao, Akira; Furukawa, Kusuo; Yanagimoto, Takayuki; and Sasaki, Hiroaki, 4,841,611, Cl. 29-121.200.

Yanagisawa, Akira; and Nakamura, Kazumitsu, to Hitachi, Ltd. Electron beam drawing method. 4,853,549, 8-1-89, Cl. 250-491.100.

Yanagisawa, Akira: *See—*
Noyori, Ryoji; Suzuki, Masaaki; Yanagisawa, Akira; and Kurozumi, Seizi, 4,886,903, Cl. 560-121.000.

Yanagisawa, Kazumasa: *See—*
Ishii, Kyoko; Yanagisawa, Kazumasa; and Muranaka, Masayu, 4,807,190, Cl. 365-189.000.
Sato, Katsuyuki; Kawamoto, Hiroshi; and Yanagisawa, Kazumasa, 4,839,865, Cl. 365-201.000.

Yanagisawa, Kiyoshi: *See—*
Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.

Yanagisawa, Leiichi: *See—*
Baba, Isao; Kondo, Takeo; Yanagisawa, Leiichi; and Kohguchi, Kenji, 4,872,045, Cl. 357-13.000.

Yanagisawa, Makoto: *See—*
Takemae, Yoshihiro; Takematsu, Takeo; Sato, Kimiaki; Horii, Takashi; Kodama, Nobumi; Yanagisawa, Makoto; and Takada, Yasuhiro, 4,807,193, Cl. 365-205.000.

Yanagisawa, Masaaki, to Nikon Corporation. Gauss type near focus lens. 4,812,027, 3-14-89, Cl. 350-463.000.

Yanagisawa, Masahiro; and Motomura, Yoshihiro, to NEC Corporation. Apparatus for determining microhardness. 4,820,051, 4-11-89, Cl. 356-378.000.

Yanagisawa, Masahiro, to NEC Corporation. Magnetic recording medium. 4,849,305, 7-18-89, Cl. 428-695.000.

Yanagisawa, Masayoshi; and Ikeda, Hidekatsu, to Amada Company, Limited. Plate workpiece processing machine. 4,829,864, 5-16-89, Cl. 83-33.000.

Yanagisawa, Masayuki, to NEC Corporation. Method of manufacturing integrated circuit semiconductor device. 4,806,457, 2-21-89, Cl. 430-311.000.

Yanagisawa, Naoki; and Sato, Yoshihiko, to Isuzu Motors Limited. Combustion chamber for internal combustion engines. 4,799,465, 1-24-89, Cl. 123-256.000.

Yanagisawa, Naoki; Sato, Yoshihiko; and Sakurai, Noriyuki, to Isuzu Motors Limited. Combustion chamber for internal combustion engines. 4,838,222, 6-13-89, Cl. 123-263.000.

Yanagisawa, Nobuhiro: *See—*
Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, 4,863,818, Cl. 429-218.000.

Yanagisawa, Shozo; Tamaki, Sigeo; and Ishizawa, Isamu, to Hitachi, Ltd. Multiple throttle mechanism for internal combustion engines. 4,840,146, 6-20-89, Cl. 123-52.0MB.

Yanagisawa, Shuich: *See—*
Murata, Yasushi; and Yanagisawa, Shuich, 4,812,857, Cl. 346-137.000.

Yanagisawa, Syozo: *See—*
Usui, Toshifumi; Yanagisawa, Syozo; Kanamaru, Hisanobu; and Tsuruoka, Kazuhiro, 4,815,192, Cl. 29-509.000.

Yanagisawa, Takeshi: *See—*
Matsushima, Seiya; Yanagisawa, Takeshi; Miura, Nobuo; and Arakawa, Kuniaki, 4,838,113, Cl. 74-551.800.

Yanagisawa, Tamotsu: *See—*
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Tanaka, Takashi; and Shimizu, Masakatu, 4,830,762, Cl. 252-2.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; and Kobayashi, Minoru, 4,838,946, Cl. 134-7.000.
Yamaguchi, Hisayoshi; Yanagisawa, Tamotsu; Yabuzuka, Masao; Shimizu, Masakatu; and Tanaka, Takashi, 4,879,050, Cl. 252-2.000.

Yanagisawa, Yasushi: *See—*
Odagawa, Yoshimoto; Yanagisawa, Yasushi; and Imaizumi, Hiraku, 4,803,426, Cl. 324-207.000.
Odagawa, Yoshimoto; Yanagisawa, Yasushi; Imaizumi, Hiraku; Mori, Teruo; Shioura, Takashi; Okada, Kazuhiro; and Yanagisawa, Kiyoshi, 4,866,379, Cl. 324-207.000.
Odagawa, Yoshimoto; and Yanagisawa, Yasushi, 4,885,535, Cl. 324-207.000.

Yanagisawa, Yohei: *See—*
Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.

Yanagishima, Fumiya: *See—*
Kenmochi, Kazuhito; Fukuhara, Akihiko; Komatu, Tomio; Kitahama, Masanori; Abe, Hideo; Kishida, Akira; Yanagishima, Fumiya; and Kobayashi, Makoto, 4,885,042, Cl. 148-12.00E.

Yanagishima, Takayuki: *See—*
Kasai, Junichi; Imai, Hiroshi; and Yanagishima, Takayuki, 4,866,776, Cl. 381-24.000.

Yanagita, Hirohisa: *See—*
Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,851,445, Cl. 514-604.000.
Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, 4,870,107, Cl. 514-604.000.

Yanagita, Mitsuhiro: *See—*
Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.

Yanagita, Tomohiko: *See—*
Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
Yanagitani, Koji: *See—*
Nakagawa, Osamu; Yanagitani, Koji; Sasaki, Ikuo; and Banjo, Toshinobu, 4,818,204, Cl. 249-83.000.
Yanagiuchi, Shigenobu: *See—*
Omori, Takuro; and Yanagiuchi, Shigenobu, 4,873,628, Cl. 364-200.000.
Yoshida, Hideo; and Yanagiuchi, Shigenobu, 4,843,589, Cl. 364-900.000.
Yanahashi, Ryou: *See—*
Yamada, Ichiji; Inuzuka, Yutake; Ichihara, Isao; Murakami, Michiyuki; Suzuki, George; Yanahashi, Ryou; and Kondo, Takeshi, 4,873,884, Cl. 74-473.00P.
Yanahira, Shuichi: *See—*
Deya, Eiki; Yanahira, Shuichi; Abiko, Kenkichi; and Kikuchi, Eiichi, 4,873,229, Cl. 514-54.000.
Yanai, Akio: *See—*
Yasunaga, Tadashi; and Yanai, Akio, 4,801,500, Cl. 428-336.000.
Yasunaga, Tadashi; and Yanai, Akio, 4,873,154, Cl. 428-694.000.
Yanai, Genzo: *See—*
Matsushita, Takashi; and Yanai, Genzo, 4,874,973, Cl. 310-78.000.
Yanai, Ginjiro: *See—*
Yoshizawa, Isamu; Yanai, Ginjiro; and Matsuda, Seiichi, 4,831,858, Cl. 72-249.000.
Yanai, Keiji: *See—*
Yamane, Hisakazu; Ishida, Ritsuo; Nakanishi, Hisao; Yanai, Keiji; Toshiyasu, Masayuki; Ikegami, Kazunori; Okuda, Soichiro; Kimura, Kenji; Ishibata, Koji; and Ishii, Yoshinori, 4,886,999, Cl. 313-414.000.
Yanai, Ken-ichi: *See—*
Oki, Ken-ichi; Kawai, Satoru; Yanai, Ken-ichi, and Takahara, Kazuhiro, 4,818,981, Cl. 340-784.000.
Yanai, Makoto: *See—*
Sueda, Noriyoshi; Suzuki, Yoshikuni; Sugai, Toshiji; Yamada, Hiroaki; and Yanai, Makoto, 4,886,803, Cl. 514-252.000.
Yanai, Nabuya: *See—*
Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.
Yanai, Shinji; and Shimoyama, Yujiro, to Alps Electric Co., Ltd Multiple switch device having waterproof structure. 4,861,950, 8-29-89, Cl. 200-5.00R.
Yanai, Toshiaki: *See—*
Sato, Kazuo; Kinoto, Takao; Mio, Shigeru; and Yanai, Toshiaki, 4,835,290, Cl. 549-264.000.
Yanai, Toshiharu: *See—*
Iida, Yasunobu; Yanai, Toshiharu; and Furuya, Koichi, 4,869,948, Cl. 428-216.000.
Yanai, Tsuguo; Inagaki, Yukio; Matsuo, Shoji, and Fujisawa, Hidetaka, to Casio Computer Co., Ltd. Miniaturized electronic apparatus. 4,806,923, 2-21-89, Cl. 340-784.000.
Yanaida, Katsuya: *See—*
Sugino, Kenji; Yanaida, Katsuya; Sugino, Hiroshi; Nakaya, Masao; Nishida, Nobuo; and Eda, Kensaku, 4,798,339, Cl. 239-601.000.
Yanaihara, Noboru; and Abe, Kaoru, to Noboru Yanaihara et al. Oncogene-related peptides. 4,855,406, 8-8-89, Cl. 530-324.000.
Yanaka, Hideomi: *See—*
Sakamoto, Noboru; Noda, Hidetoshi; and Yanaka, Hideomi, 4,851,038, Cl. 75-5.000.
Yananton, Patrick; and Parker, Sheldon. Cardboard container with litter pad. 4,800,841, 1-31-89, Cl. 119-1.000.
Yananton, Patrick; and Parker, Janice P. Securing means for odorless animal litter unit. 4,840,140, 6-20-89, Cl. 119-1.000.
Yananton, Patrick. Odorless animal litter unit. 4,848,274, 7-18-89, Cl. 119-1.000.
Yananton, Patrick. Odorless animal litter unit. 4,852,518, 8-1-89, Cl. 119-1.000.
Yananton, Patrick. Odorless animal litter unit having securing means. 4,869,204, 9-26-89, Cl. 119-1.000.
Yanaru, Hirofumi; and Maruido, Hiroki, to Sharp Kabushiki Kaisha. Word processor with decorative character printer. 4,843,593, 6-27-89, Cl. 364-900.000.
Yanase, Akira: *See—*
Yamashita, Masatsugu; Iwakiri, Norio; Yamanaka, Sekisuke; and Yanase, Akira, 4,855,541, Cl. 200-6.00R.
Yanase, Atsushi: *See—*
Shimpo, Tetsuhiko; Fujihata, Isao; and Yanase, Atsushi, 4,823,023, Cl. 307-254.000.
Yanase, Motoaki; and Yamamoto, Tatsuya, to Agency of Industrial Science and Technology. Mandrel for use in a manufacture of an article made of composite material. 4,822,272, 4-18-89, Cl. 425-328.000.
Yanase, Sumio: *See—*
Setaka, Yousuke; Yanase, Sumio; Takeuchi, Kanji; and Miyahara, Masahiko, 4,881,414, Cl. 73-862.330.
Yanase, Takao; and Fujita, Koetsu, to Fuji Electric Co., Ltd. Rotational-position detecting apparatus with two shaped photovoltaic surfaces. 4,849,621, 7-18-89, Cl. 250-211.00K.
Yanase, Tomoo: *See—*
Sugou, Shigeo; and Yanase, Tomoo, 4,815,083, Cl. 372-46.000.
Yanase, Yuji: *See—*
Ishikawa, Katsutoshi; Shimotori, Hitoshi; Iida, Noboru; Kuwatsuka, Toshiaki; Fujiwara, Junya; Yanase, Yuji; and Sekino, Takeshi, 4,814,337, Cl. 514-269.000.
Yanazawa, Toshirou: *See—*
Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. [illegible] 68.500.
Yandle, Sylvester E., II. Hydraulic hammer reduction system for railroad tank cars. 4,840,192, 6-20-89, Cl. 137-681.000.
Yandora, Andrew E.: *See—*
Heys, George, Jr.; Yandora, Andrew E.; and McDowell, Philip D., 4,81[illegible],619, Cl. 174-135.000.
Heys, George, Jr.; Yandora, Andrew E.; and McDowell, Philip D., 4,841,412, Cl. 361-393.000.
Yaney, David S.: *See—*
Lee, Kuo-Hua; Lu, Chih-Yuan; and Yaney, David S., 4,844,776, Cl. 156-653.000.
Yanez, Serge J. Integrated, solid, optical device. 4,883,333, 11-28-89, Cl. 350-96.100.
Yang, Aichun: *See—*
Mao, Bingquan; Yang, Aichun; Zheng, Ying; Yang, Juxiou; and Li, Zhulan, 4,861,847, Cl. 526-125.000.
Yang, Andrew C.; Lorenzo, Joseph P.; and Soref, Richard A., to United States of America, Air Force. Silicon waveguide with monolithically integrated Schottky barrier photodetector. 4,857,973, 8-15-89, Cl. 357-15.000.
Yang, Chen-shi. Continuous processing machine assembly for frying raw materials. 4,852,475, 8-1-89, Cl. 99-404.000.
Yang, Chen-Shi. Vacuum frying and oil separating device. 4,873,920, 10-17-89, Cl. 99-409.000.
Yang, Chi-Chung: *See—*
Guha, Subhendu; Yang, Chi-Chung; and Ovshinsky, Stanford R., 4,816,082, Cl. 136-249.000.
Yang, Chi-Kuo. Umbrella ink means having resilient link for accelerating folding operation. 4,815,489, 3-28-89, Cl. 135-25.00R.
Yang, Chi-Kuo. Stable telescopic centerpost of multiple-fold umbrella. 4,858,633, 8-22-89, Cl. 135-25.00R.
Yang, Chih-Yen: *See—*
Jeng, Sor-Shenn; Chang, Gan-How; Chang, Kuang-Yao; Lu, Jang-Keng; Liu, Tsann-Shyong; Ju, Rong-Hauh; Chang, Hung-Ju; Wu, Yung-Lai; Yang, Chih-Yen; Huang, Jei-Shyong; Hsieh, Shang-Ju; and Wu, Chun-Chu, 4,850,026, Cl. 382-21.000.
Yang, Chihae; and Kaufmann, Edward J., to Clorox Company, The. Films from PVA modified with nonhydrolyzable anionic comonomers. 4,885,105, 12-5-89, Cl. 252-90.000.
Yang, Darchun B.: *See—*
Wachs, Israel E.; and Yang, Darchun B., 4,861,747, Cl. 502-325.000.
Yang, David K., to Procter & Gamble Company, The. Tailored triglycerides having improved autoignition characteristics. 4,832,975, 5-23-89, Cl. 426-607.000.
Yang, David K., to Procter & Gamble Company, The. Functional hardstock fat composition. 4,883,684, 11-28-89, Cl. 426-607.000.
Yang, De Q. Recorder/player device with stationary recording medium and constant speed signal head drive. 4,851,929, 7-25-89, Cl. 360-2.000.
Yang, Der Chuan. Non-contact automatic latch lock. 4,866,961, 9-19-89, Cl. 70-129.000.
Yang, Frank J.; Farnsworth, Paul B.; Markides, Karin E.; Lee, Milton L.; and Skelton, Ronald J., Jr., to Brigham Young University. Element specific radio frequency discharge helium plasma detector for chromatography. 4,851,683, 7-25-89, Cl. 250-339.000.
Yang, Frank Y.: *See—*
Shenoy, Vittal U.; Yang, Frank Y.; and York, James R., 4,887,[illegible], Cl. 355-218.000.
Yang, Hei-Pen: *See—*
Magier, Louis H.; Yang, Hei-Pen; and Hor, John, 4,808,803, Cl. 235-382.000.
Yang, Huei-Hsiung; Hiu, Stephen F.; and Harris, John L., to Igene Biotechnology, Inc. Production of phage and phage-associated lysin. 4,859,597, 8-22-89, Cl. 435-239.000.
Yang, Hung H., to Du Pont de Nemours, E. I., and Company. Aramid staple and pulp prepared by spinning. 4,836,507, 6-6-89, Cl. 264-143.000.
Yang, Hung H.; and Chiou, Minshon J., to Du Pont de Nemours, E. I., and Company. Method of preparing poly (p-phenyleneterephthalamide) yarns of improved fatigue resistance. 4,859,393, 8-22-89, Cl. 264-184.000.
Yang, J. Leon, to Perkin-Elmer Corporation, The. LED monitoring without external light detection. 4,797,609, 1-10-89, Cl. 324-158.000.
Yang, James W.: *See—*
Pattillo, Martha C.; Bacehowski, David V.; Bolstad, Arnold C.; Cullis, Herbert M.; Dennehey, T. Michael; Yang, James W.; and Brown, William C., 4,829,002, Cl. 435-284.000.
Yang, Jan-Chin: *See—*
Tadmor, Zehev; Siegel, Arthur D.; and Yang, Jan-Chin, 4,871,[illegible], Cl. 366-99.000.
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- Yasuda, Makoto; and Shimamura, Hiroshi, to Nissan Motor Co., Ltd.; and Nihon Radiator Co., Ltd. Exhaust manifold for multicylinder internal combustion engine. 4,833,882, 5-30-89, Cl. 60-276.000.
- Yasuda, Makoto; Ura, Syousabu; Nishimura, Shuichi; Matsuo, Isaya; Kato, Masami; and Sagata, Munehiro, to Nissan Motor Co., Ltd.; and Aichi Machine Industry Co., Ltd. Inertia supercharging induction system for multi-cylinder internal combustion engine. 4,838,215, 6-13-89, Cl. 123-52.0MB.
- Yasuda, Makoto: *See—*
  - Miyashita, Tsune; and Yasuda, Makoto, 4,871,947, Cl. 315-344.000.
  - Mori, Tamotsu; and Yasuda, Makoto, 4,879,535, Cl. 335-14.000.
- Yasuda, Minoru: *See—*
  - Takemoto, Masayuki; Nagura, Osamu; Nomura, Yukio; and Yasuda, Minoru, 4,883,858, Cl. 528-322.000.
- Yasuda, Mitsuyoshi; Matsuura, Junichi; Ikemoto, Kazuhito; and Katayama, Nobuaki, to Toyota Jidosha Kabushiki Kaisha. Air breather plug assembly for use in power transmission unit. 4,794,942, 1-3-89, Cl. 137-197.000.
- Yasuda, Naofumi: *See—*
  - Kabaya, Yoshihiko; Yasuda, Naofumi; and Omi, Toshihiro, 4,840,488, Cl. 356-374.000.
- Yasuda, Naohiko: *See—*
  - Yokozeki, Kenzo, Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, 4,835,104, Cl. 435-87.000.
- Yasuda, Naoshi: *See—*
  - Kondo, Shigeo; Yasuda, Naoshi; Nagata, Masaki; and Sotomura, Tadashi, 4,810,599, Cl. 429-191.000.
  - Nagata, Masaki; Yasuda, Naoshi; Kondo, Shigeo; and Sotomura, Tadashi, 4,828,945, Cl. 429-191.000.
- Yasuda, Nobuaki: *See—*
  - Ichihara, Katsutarou; Yasuda, Nobuaki; Terashima, Yoshiaki; and Shimanuki, Senji, 4,832,980, Cl. 427-38.000.
  - Ikegawa, Sumio; Komatsu, Shuichi; Arai, Shinji; Ashida, Sumio; and Yasuda, Nobuaki, 4,839,861, Cl. 365-113.000.
  - Ikegawa, Sumio; Hori, Akio; Komatsu, Shuichi; Arai, Shinji; and Yasuda, Nobuaki, 4,855,992, Cl. 369-275.000.
  - Takeoka, Yoshikatsu; Yasuda, Nobuaki; Hori, Akio; and Ozawa, Norio, 4,845,000, Cl. 430-14.000.
- Yasuda, Nobuyoshi: *See—*
  - Takaya, Takao; Tozuka, Zenzoburo; Yasuda, Nobuyoshi; and Nishimura, Shintaro, 4,861,769, Cl. 514-202.000.
  - Takaya, Takao; Tozuka, Zenzaburo; Yasuda, Nobuyoshi; and Kawabata, Kohji, 4,871,730, Cl. 514-206.000.
- Yasuda, Nozomi: *See—*
  - Itagaki, Kazuo; Yanagihara, Toshimichi, deceased; Maruzeni, Shouji; and Yasuda, Nozomi, 4,844,940, Cl. 426-607.000.
  - Maruzeni, Shouji; Matsumoto, Wataru; and Yasuda, Nozomi, 4,874,699, Cl. 435-135.000.
  - Yokobori, Hideo; Itagaki, Kazuo; Maruzeni, Shouji; and Yasuda, Nozomi, 4,847,105, Cl. 426-607.000.
- Yasuda, Sachiko; Yoshida, Minoru; Asada, Tomoyuki; and Mukai, Hideo, to Kabushiki Kaisha Toshiba. Developing apparatus. 4,806,992, 2-21-89, Cl. 355-3.0DD.
- Yasuda, Satoshi; Uchida, Mitsuru; Takagi, Seiichi; and Karami, Yusuke, to Canon Kabushiki Kaisha. Electrophotographic magnetic dry developer containing cerium oxide and hydrophobic silica. 4,824,752, 4-25-89, Cl. 430-106.600.
- Yasuda, Satoshi: *See—*
  - Uchida, Mitsuru; Yasuda, Satoshi; and Kuribayashi, Tetsuya, 4,873,185, Cl. 430-903.000.
- Yasuda, Seigou: *See—*
  - Muroi, Tetsuya; Yasuda, Seigou; Kawamoto, Toshiki; and Fujimoto, Junichiroh, 4,833,713, Cl. 381-43.000.
- Yasuda, Shigeru, to Pioneer Electronic Corporation. Information playback system having an address search operation using a variable speed pickup positioning system. 4,835,753, 5-30-89, Cl. 369-32.000.
- Yasuda, Shigeru, to Pioneer Electronic Corporation. Multiplied-speed reproducing system in information reproducing apparatus. 4,845,572, 7-4-89, Cl. 358-342.000.
- Yasuda, Shigeru; and Yasukawa, Kenichiro, to Pioneer Electronic Corporation. Search system and special reproduction system for information reproduction device 4,849,828, 7-18-89, Cl. 358-342.000.
- Yasuda, Shigeru; Yasukawa, Kenichiro; Nakamura, Tsutomu; and Asami, Kenitiro, to Pioneer Electronic Corporation. Method for reproduction of stored video signals with disk reproducing apparatus. 4,878,129, 10-31-89, Cl. 358-342.000.
- Yasuda, Shigeru: *See—*
  - Akiyama, Toru; Yasuda, Shigeru; Yasukawa, Kenichiro; and Fukatsu, Yasumasa, 4,837,637, Cl. 358-342.000.
- Yasuda, Shinichiro: *See—*
  - Niki, Masao; Yasuda, Shinichiro; Yokota, Yukinaga; and Okabe, Kazuhiko, 4,845,002, Cl. 430-109.000.
- Yasuda, Shuhei; and Takafuji, Yutaka, to Sharp Kabushiki Kaisha. Liquid crystal display device having interlaced driving circuits for driving rows and columns one-half cycle out of phase. 4,842,371, 6-27-89, Cl. 350-333.000.
- Yasuda, Shunji: *See—*
  - Nakao, Shinichi; Yasuda, Shunji; and Ikeda, Shigehito, 4,861,471, Cl. 210-182.000.
- Yasuda, Sumihiro: *See—*
  - Yamamoto, Shinobu; Hoshide, Fumitoshi; Takeuchi, Michikazu; Kotani, Shou; and Yasuda, Sumihiro, 4,874,924, Cl. 219-274.000.
- Yasuda, Syuhei: *See—*
  - Ii, Hiroshi; Koyanagi, Katsubumi; and Yasuda, Syuhei, 4,845,574, Cl. 360-51.000.
- Yasuda, Tadashi: *See—*
  - Sato, Yoneji; Hoshino, Masato; Kitazawa, Seiichi; and Yasuda, Tadashi, 4,888,269, Cl. 430-280.000.
- Yasuda, Takuo, to Bridgestone Corporation. Rubber compositions for bead filler. 4,824,899, 4-25-89, Cl. 524-495.000.
- Yasuda, Tetsuo: *See—*
  - Suzuki, Takashi; Yasuda, Tetsuo; Miyauchi, Otohiko; and Yotsuyanagi, Junji, 4,865,793, Cl. 264-278.000.
  - Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umehara, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.
- Yasuda, Tomio; Sato, Jun; and Ohashi, Masao, to Aisin Seiki Kabushiki Kaisha. Capacitive occupancy detector apparatus. 4,796,013, 1-3-89, Cl. 340-562.000.
- Yasuda, Tomio; and Aoki, Kohji, to Aisin Seiki Kabushiki Kaisha. Attitude control apparatus for onboard seat. 4,852,934, 8-1-89, Cl. 296-65.100.
- Yasuda, Tomio; Aoki. Kohji; and Mori, Kazuo, to Aisin Seiki Kabushiki Kaisha. Onboard air discharge system. 4,881,456, 11-21-89, Cl. 98-2.010.
- Yasuda, Tomio: *See—*
  - Aoki, Kohji; Yasuda, Tomio; Masanori, Sugiyama; and Osamu, Komazawa, 4,885,566, Cl. 340-457.100.
  - Kawai, Taneichi; Yasuda, Tomio; and Aoki, Kohji, 4,876,649, Cl. 364-424.050.
- Yasuda, Tomokazu: *See—*
  - Toya, Ichizo; and Yasuda, Tomokazu, 4,812,391, Cl. 430-564.000.
- Yasuda, Tooru, to NEC Corporation. Inter-frame decoding system with frame memories for uninterrupted clear video signals. 4,827,337, 5-2-89, Cl. 358-136.000.
- Yasuda, Toru; Kawamoto, Yoshimichi; Abe, Masaru; and Kohata, Takashi, to Honda Giken Kogyo Kabushiki Kaisha. Steering angle detector. 4,853,672, 8-1-89, Cl. 340-465.000.
- Yasuda, Toru: *See—*
  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,823,898, Cl. 180-140.000.
  - Ogura, Masami; Seki, Kazuhiro; Abe, Masaru; Serizawa, Mitsuya; Kawamoto, Yoshimichi; Yasuda, Toru; and Kohata, Takashi, 4,828,063, Cl. 180-140.000.
- Yasuda, Yasushi: *See—*
  - Enomoto, Hiromu; Yasuda, Yasushi; Shimauchi, Yoshiki; and Tahara, Akinori, 4,888,623, Cl. 357-15.000.
- Yasuda, Yoshimitsu, to Nippon Sheet Glass Co., Ltd. Ware for flat glass preservation. 4,807,743, 2-28-89, Cl. 206-204.000.
- Yasuda, Yoshinori; Takase, Akio; Ogawa, Koji; Tsutsumi, Takao; and Taguchi, Hiroaki, to Mitsubishi Denki Kabushiki Kaisha. Golf trainer for calculating ball carry. 4,844,469, 7-4-89, Cl. 273-186.00R.
- Yasuda, Yoshiteru: *See—*
  - Fujiki, Akira; Yasuda, Yoshiteru; Tanimoto, Ichiro; Endo, Hiroyuki; Ikenoue, Yutaka; and Suzuki, Keitaro, 4,844,024, Cl. 123-188.500.
- Yasuda, Yukio: *See—*
  - Masuda, Nobuhito; Nagatomo, Shigeru; Makiuchi, Hajime; and Yasuda, Yukio, 4,861,552, Cl. 422-56.000.
- Yasuda, Yuzo, to Sanyo Electric Co., Ltd. Frequency converter for video tape recorder. 4,807,048, 2-21-89, Cl. 358-310.000.

Yasudomi, Norio: *See*—
Takao, Hisashi; Osaki, Norio; and Yasudomi, Norio, 4,840,957, Cl. 514-326.000.

Yasue, Hideki; and Fukumura, Kagenori, to Toyota Jidosha Kabushiki Kaisha. System for integrally controlling automatic transmission and engine. 4,800,781, 1-31-89, Cl. 74-860.000.

Yasue, Hideki; and Fukumura, Kagenori, to Toyota Jidosha Kabushiki Kaisha. System for integrally controlling automatic transmission and engine. 4,807,497, 2-28-89, Cl. 74-867.000.

Yasue, Hideki; Fukumura, Kagenori; Iwatsuki, Kunihiro; and Shindo, Yoshio, to Toyota Jidosha Kabushiki Kaisha. System for integrally controlling automatic transmission and engine. 4,819,187, 4-4-89, Cl. 364-431.010.

Yasue, Hideki; and Fukumura, Kagenori, to Toyota Jidosha Kabushiki Kaisha. System for integrally controlling an engine and an automatic transmission having a device for determining engagement of the lockup clutch when a certain time duration elapses after output of an engagement signal. 4,819,777, 4-11-89, Cl. 192-0.062.

Yasue, Hideki; and Fukumura, Kagenori, to Toyota Jidosha Kabushiki Kaisha. System for integrally controlling automatic transmission and engine. 4,825,372, 4-25-89, Cl. 364-431.010.

Yasue, Hideki: *See*—
Hamano, Yukio; Kashihara, Yuji; Sakurai, Keita; Yasue, Hideki; and Fukumura, Kagenori, 4,838,124, Cl. 74-866.000.

Yasue, Kazuo, to NEC Corporation. Data transmission system including the downloading of a first program for the interruption of a second program. 4,882,705, 11-21-89, Cl. 364-900.000.

Yasue, Kenji: *See*—
Okamoto, Takashi; Yasue, Kenji; Marutani, Takeshi; and Fukushima, Yasumasa, 4,804,707, Cl. 525-66.000.

Yasue, Nobuhiro: *See*—
Yoshino, Akira; Hino, Masafumi; and Yasue, Nobuhiro, 4,827,112, Cl. 235-380.000.

Yasue, Takao, to Mitsubishi Denki Kabushiki Kaisha. Transfer vessel device and method of transfer using the device. 4,856,297, 8-15-89, Cl. 62-51.100.

Yasue, Takao: *See*—
Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,837,445, Cl. 250-442.100.
Nishioka, Tadashi; Yasue, Takao; and Koyama, Hiroshi, 4,880,975, Cl. 250-306.000.

Yasufuki, Shoji: *See*—
Kise, Masahiro; Ozaki, Masakuni; Kazuno, Kenji; Tomii, Yoshifumi; Segawa, Jun; and Yasufuki, Shoji, 4,882,328, Cl. 514-236.200.

Yasufuku, Yoshitaka: *See*—
Hiramoto, Tsutomu; Fukasawa, Satoshi; Kubodera, Takeshi; Hirose, Kimimoto; Shinozaki, Sohji; and Yasufuku, Yoshitaka, 4,832,301, Cl. 248-359.00H.

Yasuguchi, Masayuki: *See*—
Kano, Osamu; Yamada, Yukiyoshi; Fujisawa, Shigemi; and Yasuguchi, Masayuki, 4,824,030, Cl. 241-39.000.

Yasuhara, Eiko: *See*—
I, Kanji; Kawasaki, Tatsuo; and Yasuhara, Eiko, 4,859,297, Cl. 204-145.00R.

Yasuhara, Kiyotada: *See*—
Yamasoe, Katsuyoshi; Ikeda, Satoshi; and Yasuhara, Kiyotada, 4,851,148, Cl. 252-142.000.

Yasuhara, Kiyotado: *See*—
Yamasoe, Katsuyoshi; Yasuhara, Kiyotado; and Ikeda, Satoshi, 4,886,616, Cl. 252-142.000.

Yasuhara, Seiji: *See*—
Nakajima, Nobuaki; Yasuhara, Seiji; and Ishihara, Mamoru, 4,820,462, Cl. 264-63.000.

Yasuhara, Takashi: *See*—
Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,810,766, Cl. 526-279.000.
Ohmori, Akira; Yasuhara, Takashi; and Kitahara, Takahiro, 4,832,712, Cl. 55-158.000.
Ohmori, Akira; and Yasuhara, Takashi, 4,871,820, Cl. 526-245.000.

Yasuhara, Takeshi; and Nishimura, Makoto, to Fuji Electric Company, Ltd. Ink jet recording head. 4,819,014, 4-4-89, Cl. 346-140.00R.

Yasuhara, Takeshi; and Nabeta, Eiichi, to Fuji Electric Co., Ltd. Field instrumentation system. 4,864,489, 9-5-89, Cl. 364-131.000.

Yasuhara, Yoshiharu: *See*—
Fukunaga, Akira; Arimitsu, Hidenobu; Yasuhara, Yoshiharu; and Shiota, Toshihiko, 4,826,805, Cl. 502-402.000.

Yasuhara, Yoshihiro: *See*—
Nozaki, Masao; and Yasuhara, Yoshihiro, 4,829,273, Cl. 333-194.000.

Yasuhisa, Saito; Kamio, Kunimasa; Shibata, Mitsuhiro; Watanabe, Katsuya; Shiomi, Yutaka; and Ueda, Youichi, to Sumitomo Chemical Co., Ltd. Imide compound and composition containing the same. 4,888,407, 12-19-89, Cl. 525-423.000.

Yasui, Akira: *See*—
Nakayama, Yoji; and Yasui, Akira, 4,821,447, Cl. 43-18.100.

Yasui, Hideo; Mitani, Toragoro; and Komabashiri, Takamichi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Apparatus for cleaning a tank-like vessel. 4,805,650, 2-21-89, Cl. 134-57.00R.

Yasui, Hideo: *See*—
Komabashiri, Takamichi; Mitani, Toragoro; Yamauchi, Hiroaki; and Yasui, Hideo, 4,863,524, Cl. 134-22.190.

Yasui, Ikuo; Shimazu, Yukihiko; and Kengaku, Toru, to Mitsubishi Denki Kabushiki Kaisha. High speed full adder using complementary input-output signals. 4,870,609, 9-26-89, Cl. 364-784.000.

Yasui, Makoto: *See*—
Kimata, Kei; Yamamoto, Ken; Yasui, Makoto; and Furutani, Katsumi, 4,863,417, Cl. 474-101.000.

Yasui, Masao: *See*—
Ouchi, Tomonori; Wakamatsu, Otsuro; Kawanishi, Hiroshi; and Yasui, Masao, 4,853,495, Cl. 178-18.000.

Yasui, Masaru, to Hosiden Electronics Co. Ltd. Planar display device. 4,822,142, 4-18-89, Cl. 350-332.000.

Yasui, Nobusige: *See*—
Hayashida, Mitsuharu; Sasaki, Kazuo; Yasui, Nobusige; and Takahashi, Eiji, 4,801,037, Cl. 220-259.000.

Yasui Seiki Co. Ltd.: *See*—
Yasui, Yoshinari; and Iwasaki, Takashi, 4,809,639, Cl. 118-65.000.
Yasui, Yoshinari; and Iwasaki, Takashi, 4,844,002, Cl. 118-259.000.

Yasui, Seimei: *See*—
Fujita, Tsutomu; Togawa, Yoshiaki; Yasui, Seimei; and Kikuchi, Toshitsugu, 4,870,429, Cl. 346-137.000.
Furuta, Akihiro; Hanabata, Makoto; Yasui, Seimei; Hiroaki, Osamu; and Jinno, Naoyoshi, 4,863,829, Cl. 430-192.000.

Yasui, Shinichi: *See*—
Sekimoto, Isao; Mihara, Isoroku; Ueda, Shigeo; Yasui, Shinichi; Wakaoka, Shunso; and Hida, Kyoji, 4,805,299, Cl. 29-796.000.

Yasui, Shinichiro: *See*—
Iihoshi, Akira; Nakamura, Yukinobu; and Yasui, Shinichiro, 4,887,081, Cl. 340-995.000.

Yasui, Shinjiro. Massaging device having cylindrical body with at least one groove. 4,807,603, 2-28-89, Cl. 128-57.000

Yasui, Toru, to Sharp Kabushiki Kaisha. Optical information transmitting device. 4,863,229, 9-5-89, Cl. 350-96.100.

Yasui, Toshihiko, to Shimano Industrial Company Limited. Fishing rod. 4,839,981, 6-20-89, Cl. 43-18.100.

Yasui, Toshihiko, to Shimano Industrial Company Limited. Fishing rod. 4,884,356, 12-5-89, Cl. 43-23.000.

Yasui, Toshihiro; and Yamamoto, Masanobu, to Yamaha Hatsudoki Kabushiki Kaisha. Small snowmobile and drive arrangement therefor. 4,848,503, 7-18-89, Cl. 180-190.000.

Yasui, Yasuyoshi; and Suganuma, Tatsuji, to Toyota Jidosha Kabushiki Kaisha. Support structure of differential gear unit. 4,821,602, 4-18-89, Cl. 74-713.000.

Yasui, Yasuyoshi; and Azuma, Hitoshi, to Toyota Jidosha Kabushiki Kaisha. Differential gear unit with limited slip mechanism. 4,876,921, 10-31-89, Cl. 74-710.500.

Yasui, Yoshiaki: *See*—
Izawa, Shoji; Fujihira, Hiroshi; and Yasui, Yoshiaki, 4,829,559, Cl. 379-96.000.

Yasui, Yoshiharu: *See*—
Fukuda, Tatemi; Tsuboi, Masayoshi; Anahara, Meiji; and Yasui, Yoshiharu, 4,813,222, Cl. 57-274.000.

Yasui, Yoshimata: *See*—
Yabe, Noboru; and Yasui, Yoshimata, 4,828,944, Cl. 429-97.000.

Yasui, Yoshinari; and Iwasaki, Takashi, to Yasui Seiki Co. Ltd. Coating device. 4,809,639, 3-7-89, Cl. 118-65.000.

Yasui, Yoshinari; and Iwasaki, Takashi, to Yasui Seiki Co., Ltd. Coating feeder system. 4,844,002, 7-4-89, Cl. 118-259.000.

Yasui, Yoshiyuki: *See*—
Karnopp, Dean C.; and Yasui, Yoshiyuki, 4,852,699, Cl. 188-72.20
Margolis, Donald L.; and Yasui, Yoshiyuki, 4,844,428, Cl. 267-64.210.

Yasuike, Osamu; Arai, Yasuji; Ikemoto, Hiroyuki; Owa, Nobutaka; and Doi, Shunichi, to Toyota Jidosha Kabushiki Kaisha. System for vehicle body roll control detecting and compensating steering oppositely to vehicle turning direction. 4,803,627, 2-7-89, Cl. 364-424.05

Yasuike, Osamu: *See*—
Ikemoto, Hiroyuki; Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; and Doi, Shunichi, 4,821,188, Cl. 364-424.100.
Ikemoto, Hiroyuki; Arai, Yasuji; Yasuike, Osamu; Oowa, Nobutaka; and Doi, Shunichi, 4,821,191, Cl. 364-424.100.
Oowa, Nobutaka; Arai, Yasuji; Yasuike, Osamu; Ikemoto, Hiroyuki; and Doi, Shunichi, 4,809,176, Cl. 364-424.000.

Yasuji, Tamura: *See*—
Hidemitsu, Akabane; Seiichi, Hoshino; Yasuji, Tamura; and Toshimi, Isobe, 4,815,658, Cl. 237-2.00A.

Yasukage Oda: *See*—
Oda, Yasukage; and Asami, Hiroshi, 4,831,845, Cl. 62-51.100.

Yasukawa, Akio, to Katsura Roller Mfg. Co., Ltd. Cover for a dampening roller of an offset press. 4,838,046, 6-13-89, Cl. 66-202.000.

Yasukawa, Eiki; Kihara, Kunio; and Tsuboi, Mayumi, to Mitsubishi Petrochemical Co., Ltd. Solid polymer electrolyte composition. 4,798,773, 1-17-89, Cl. 429-192.000.

Yasukawa, Junichi: *See*—
Suzuki, Tameyuki; Yasukawa, Junichi; Nomura, Toyokazu; Toda, Kazuo; Kamakura, Takuro; and Ota, Toshiaki, 4,812,387, Cl. 430-311.000.

Yasukawa, Kenichiro: *See*—
Akiyama, Toru; Yasuda, Shigeru; Yasukawa, Kenichiro; and Fukatsu, Yasumasa, 4,837,637, Cl. 358-342.000.
Yasuda, Shigeru; and Yasukawa, Kenichiro, 4,849,826, Cl. 358-342.000.
Yasuda, Shigeru; Yasukawa, Kenichiro; Nakamura, Tsutomu; and Asami, Kenitiro, 4,878,129, Cl. 358-342.000.

Yasukawa, Koji: *See*—
Shiokawa, Takayasu; Yasukawa, Koji; and Karasawa, Yoshio, 4,853,702, Cl. 342-363.000.

Yasukawa, Minoru; and Iida, Takenobu, to Iwasaki Electric Co., Ltd. Nonlinear capacitor for generating high-voltage pulses. 4,807,08 2-21-89, Cl. 361-321.000.

Yasukawa, Nihiko: *See*—
Tomikawa, Arifumi; and Yasukawa, Nihiko, 4,840,258, Cl. 190-102.000.

Yasukawa, Noboru: *See*—
Tozawa, Hirokazu; Bessho, Nagayasu; Fujii, Tetsuya; Moriwaki, Saburo; Yasukawa, Noboru; and Kimura, Tomoaki, 4,825,935, Cl. 164-481.000.

Yasukawa, Shigeko, sole heiress: *See*—
Yasukawa, Wataru, deceased; Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, 4,872,293, Cl. 51-410.000.

Yasukawa, Takeshi; Onishi, Masayoshi; and Fujimoto, Tadayuki, to Mitsubishi Denki Kabushiki Kaisha. Constant speed holding device for vehicle. 4,876,948, 10-31-89, Cl. 92-99.000.

Yasukawa, Takeshi: *See*—
Hata, Yasuaki; Yasukawa, Takeshi; and Onishi, Masayoshi, 4,888,551, Cl. 324-208.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,815,553, Cl. 180-178.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,823,902, Cl. 180-170.000.
Onishi, Masayoshi; and Yasukawa, Takeshi, 4,864,992, Cl. 123-360.000.
Onishi, Masayoshi; Naitou, Yasuo; and Yasukawa, Takeshi, 4,884,649, Cl. 180-179.000.

Yasukawa, Takuji; Nishide, Tsutomu; and Yasumura, Daisuke, to Kao Corporation. Pan-releasing type oil composition. 4,849,019, 7-18-89, Cl. 106-244.000.

Yasukawa, Wataru, deceased (by Yasukawa, Shigeko, sole heiress); Kiyoshige, Masanori; Horikawa, Takeshi; Okada, Tomonobu; Ochi, Tadafumi; Aoki, Yoshiaki; Higashida, Masahiko; Kawashima, Takashi; Koe, Shigeki; Ono, Hideo; Nihei, Kanta; Takasugi, Syunji; and Take, Koji, to Kawasaki Jukogyo Kabushiki Kaisha. Abrasive water jet cutting apparatus. 4,872,293, 10-10-89, Cl. 51-410.000.

Yasuki, Seijiro; and Hoshino, Kiyoshi, to Kabushiki Kaisha Toshiba. Digital composite color video signal separating circuit with vertical correlation weighting function. 4,855,815, 8-8-89, Cl. 358-31.000.

Yasuki, Seijiro; and Kawai, Kiyoyuki, to Kabushiki Kaisha Toshiba. Motion-adaptive type signal separator with data companding function. 4,870,482, 9-26-89, Cl. 358-31.000.

Yasukouchi, Kazuo: *See*—
Taniguchi, Isao; Yasukouchi, Kazuo; Tsuji, Ichiroh; and Fujiyasu, Takeshi, 4,839,017, Cl. 204-403.000.

Yasukuni, Hiroaki: *See*—
Nasu, Shoji; Nishimoto, Yoshiro; Yasukuni, Hiroaki; and Iwasaki, Masayoshi, 4,823,082, Cl. 324-232.000.

Yasuma, Jun-ichi; Kobayashi, Tadashi; and Ishikawa, Masakuni, to Diesel Kiki Co., Ltd. Connector device for connecting IC card to reading and/or writing apparatus. 4,839,509, 6-13-89, Cl. 235-482.000.

Yasuma, Jun-ichi: *See*—
Ichihashi, Kouji; and Yasuma, Jun-ichi, 4,875,501, Cl. 137-625.640.

Yasumi, Hideyuki: *See*—
Mizuno, Toshiya; Yasumi, Hideyuki; and Matsunaga, Satoru, 4,839,129, Cl. 264-235.000.

Yasumi, Yoshiyuki, to Alps Electric Co., Ltd. Mechanism for shifting the track position of a multi-track ink ribbon in a printer. 4,884,907, 12-5-89, Cl. 400-216.100.

Yasumori, Akira: *See*—
Goto, Sachio; Kobayashi, Hideo; Yasumori, Akira; Kimura, Tsutomu; and Hayashi, Hiroshi, 4,830,825, Cl. 420-486.000.

Yasumoto, Hidetoshi: *See*—
Naruse, Kazuhiko; and Yasumoto, Hidetoshi, 4,857,967, Cl. 355-69.000.

Yasumoto, Hiromi: *See*—
Suzuki, Hirosuke; Yasumoto, Hiromi; and Imaizumi, Haruo, 4,825,221, Cl. 343-785.000.

Yasumoto, Hiromichi: *See*—
Nakayama, Hisanobu; Tanaka, Osamu; Yasumoto, Hiromichi, Senoo, Seiichi; Zaizen, Youichi; and Yamasaki, Kouji, 4,875,947, Cl. 148-113.000.

Yasumoto, Kazuhiro: *See*—
Hagiwara, Ippei; Tamura, Etsuo; and Yasumoto, Kazuhiro, 4,814,914, Cl. 360-98.080.

Yasumoto, Kunio: *See*—
Yamada, Tsuneo; Sakashita, Tsutomu; Tomono, Hiroshi; Kimura, Takashi; Maehara, Yasuhiro; and Yasumoto, Kunio, 4,802,356, Cl. 72-184.000.

Yasumoto, Masaaki; Enomoto, Tadayoshi; and Yamashina, Masakazu, to NEC Corporation. Arithmetic circuit for calculating the absolute value of the difference between a pair of input signals. 4,849,921, 7-18-89, Cl. 364-715.010.

Yasumoto, Mitsugi: *See*—
Fujii, Setsuro; Yamashita, Jun-ichi; Matsumoto, Hiroshi; Takeda, Setsuo; Terada, Tadafumi; Yasumoto, Mitsugi; and Unemi, Norio, 4,886,877, Cl. 536-23.000.

Yasumoto, Taizo: *See*—
Shibukawa, Yoshinori; Yasumoto, Taizo; Makiyama, Muneto; Murata, Shouichi; and Kusunoki, Kazuya, 4,865,786, Cl. 264-51.000.

Yasumoto, Takaaki: *See*—
Furukawa, Osamu; Harata, Mitsuo; Yasumoto, Takaaki; and Imai, Motomasa, 4,882,652, Cl. 361-321.000.
Iyogi, Kiyoshi; Yasumoto, Takaaki; Yanazawa, Toshirou; Iwase, Nobuo; Nakahashi, Masako; and Takeda, Hiromitsu, 4,835,344, Cl. 174-68.500.

Yasumoto, Yoshio: *See*—
Kageyama, Sadashi; Abe, Yoshio; Yasumoto, Yoshio; Inoue, Shuji; Takai, Hitoshi; Matsumoto, Mitsujiro; Aono, Kouji; Uchimura, Kiyoshi; and Iwasaki, Eiji, 4,882,614, Cl. 358-12.000.

Yasumura, Daisuke: *See*—
Yasukawa, Takuji; Nishide, Tsutomu; and Yasumura, Daisuke, 4,849,019, Cl. 106-244.000.

Yasumura, Gary: *See*—
Perry, Michael; and Yasumura, Gary, 4,881,908, Cl. 439-161.000.

Yasumura, Hiroto; Kozuki, Susumu; and Takei, Masahiro, to Canon Kabushiki Kaisha. Reproducing device for frequency modulated signals. 4,815,061, 3-21-89, Cl. 369-48.000.

Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, to Canon Kabushiki Kaisha. Video signal reproducing apparatus. 4,878,128, 10-31-89, Cl. 358-315.000.

Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, to Canon Kabushiki Kaisha. Color video signal reproducing apparatus using frequency converted chrominance signal. 4,882,632, 11-21-89, Cl. 358-330.000.

Yasumura, Hiroto: *See*—
Nagasawa, Kenichi; Takahashi, Koji; Yasumura, Hiroto; Sato, Ohikara; and Nakayama, Tadayoshi, 4,870,509, Cl. 360-9.100.

Yasumura, Kiyoshi: *See*—
Sakamoto, Seiji; and Yasumura, Kiyoshi, 4,840,830, Cl. 428-141.000.

Yasumura, Koichi: *See*—
Fujii, Setsuro; Ishikawa, Hiroshi; Yasumura, Koichi; Jitsukawa, Koichiro; Toyama, Sachio; Tsubouchi, Hidetsugu; Sudo, Kimio; and Tsuji, Kouichi, 4,831,026, Cl. 514-210.000.

Yasumura, Mitsuru: *See*—
Lovgren, Kurt I.; Pilbrant, Ake G.; Yasumura, Mitsuru; Morigaki, Satoshi; Oda, Minoru; and Ohishi, Naohiro, 4,853,230, Cl. 424-466.000.

Yasumura, Satoshi: *See*—
Arai, Hisao; Sonehara, Keisuke; Yasumura, Satoshi; and Kobayashi, Junji, 4,854,145, Cl. 70-258.000.

Yasumuro, Hisakazu; Watanabe, Michio; Taira, Kazuo; Imatani, Tsuneo; and Kurashima, Hideo, to Toyo Seikan Kaisha, Ltd. Metal vessel having circumferential side seam and process for production thereof. 4,858,782, 8-22-89, Cl. 220-458.000.

Yasunaga, Moritoshi: *See*—
Nishi, Masaaki; Yasunaga, Moritoshi; and Kamikawai, Ryotaro, 4,806,111, Cl. 439-109.000.

Yasunaga, Osamu; Wakusaka, Kazuharu; Inomata, Fumio; and Tsuchiya, Toshio, to Honad Giken Kogyo Kabushiki Kaisha. Air intake device for a vehicle engine. 4,878,555, 11-7-89, Cl. 180-68.300.

Yasunaga, Satoshi, to NEC Corporation. Pitch detecting device. 4,845,753, 7-4-89, Cl. 381-38.000.

Yasunaga, Seiji: *See*—
Kawagoe, Yasuyuki; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,811,690, Cl. 118-723.000.
Tsukazaki, Hisashi; Yamanishi, Kenichiro; and Yasunaga, Seiji, 4,812,326, Cl. 427-38.000.

Yasunaga, Tadashi; and Yanai, Akio, to Fuji Photo Film Co., Ltd. Magnetic recording medium. 4,801,500, 1-31-89, Cl. 428-336.000.

Yasunaga, Tadashi; and Yanai, Akio, to Fuji Photo Film Co., Ltd. Magnetic recording medium containing Fe, Co, N and O. 4,873,154, 10-10-89, Cl. 428-694.000.

Yasunaga, Tadashi; and Sasazawa, Koji, to Fuji Photo Film Co., Ltd. Method for producing magnetic recording media. 4,876,113, 10-24-89, Cl. 427-39.000.

Yasunaga, Tadashi; and Shirahata, Ryuji, to Fuji Photo Film Co., Ltd. Method of producing magnetic recording media. 4,885,189, 12-5-89, Cl. 427-129.000.

Yasunaga, Tadashi: *See*—
Arai, Yoshihiro; Yasunaga, Tadashi; and Shirahata, Ryuji, 4,835,068, Cl. 428-694.000.

Yasunaga, Toshiyuki: *See*—
Sugimori, Teruhiko; Furutani, Yoshifumi; Shiraishi, Yoshinobu; and Yasunaga, Toshiyuki, 4,831,069, Cl. 524-232.000.

Yasunaga, Yukihiro: *See*—
Oe, Takanori; Kawasaki, Kazuyuji; Terasawa, Michio; Imayoshi, Tomonori; and Yasunaga, Yukihiro, 4,808,620, Cl. 514-303.000.

Yasunaka, Shinsaku; Ganse, Keizo; and Nakano, Hideharu, to Matsushita Electric Works, Ltd. Dry shaver with a slidable trimmer handle. 4,845,847, 7-11-89, Cl. 30-34.100.

Yasunami, Masabumi; Takase, Kahei; Meguro, Takashi; Suzuki, Katsumi; Hiwatashi, Osamu; Okutsu, Masaru; Kato, Nobuo; and Nakamura, Toru, to Ajinomoto Co., Inc. Azulene derivatives and pharmaceutical compositions containing them. 4,859,701, 8-22-89, Cl. 514-510.000.

Yasuno, Hiroshi; Sakatani, Fumio; and Kanda, Takeshi, to UBE Industries Ltd.; and Meiko Electronics Company, Ltd. Apparatus for continuously producing a base for a printed circuit board. 4,883,575, 11-28-89, Cl. 204-198.000.

Yasuno, Shigeo. Fabricated meat products like crab leg meat. 4,814,191, 3-21-89, Cl. 426-104.000.

Yasuno, Shigeo. Process for manufactring fabricated crab leg meat. 4,824,687, 4-25-89, Cl. 426-643.000.

Yasuno, Yoshiki: *See*—
Ito, Ken; and Yasuno, Yoshiki, 4,809,181, Cl. 364-426.010.

Yasunobu, Chizuko: *See—*
Tsuji, Hiroshi; Yasunobu, Chizuko; and Masuishi, Tetsuya, 4,853,873, Cl. 364-513.000.
Yasunobu, Seiji; Miyamoto, Shoji; and Ihara, Hirokazu, to Hitachi, Ltd. Method and device for stopping vehicle at predetermined position. 4,852,007, 7-25-89, Cl. 364-426.010.
Yasunori, Yukio: *See—*
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,837,286, Cl. 526-217.000.
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,859,750, Cl. 526-135.000.
Kato, Yasuyuki; Yuyama, Masahiro; Moritani, Masahiko; and Yasunori, Yukio, 4,885,125, Cl. 264-328.600.
Yasuoka, Akimasa; Kiuchi, Takeo; and Iwata, Takahiro, to Honda Giken Kogyo Kabushiki Kaisha. Method for control of idle rotations of internal combustion engine. 4,819,596, 4-11-89, Cl. 123-339.000.
Yasuoka, Koichi: *See—*
Yanabu, Satoru; Takahashi, Hideomi; Kaneko, Eiji; and Yasuoka, Koichi, 4,841,538, Cl. 372-58.000.
Yasuoka, Norio; Kobayashi, Takehiro; Hikida, Nobuharu; Hatakeyama, Yasuyuki; Aoto, Yoshiyuki; and Itogawa, Jiro, to Sharp Kabushiki Kaisha. Remote control device using a telephone line. 4,885,766, 12-5-89, Cl. 379-105.000.
Yasuoka, Takuya: *See—*
Kida, Akinari; Fukutomi, Naoki; Tsubomatsu, Yoshiaki; and Yasuoka, Takuya, 4,830,691. Cl. 156-631.000.
Yasushi, Mikura; Kensuke, Asada; and Hajime, Toguchi, to Takeda Chemical Industries. Stable composition of interleukin-2 and human serum albumin. 4,812,557, 3-14-89, Cl. 530-351.000.
Yasushi, Sawada: *See—*
Eturo, Yasuda; Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, 4,803,763, Cl. 29-25.350.
Yasutake, Kousuke, to Honda Giken Kogyo Kabushiki Kaisha. Crankshaft of internal combustion engine and method of producing the same. 4,881,427, 11-21-89, Cl. 74-603.000.
Yasutake, Kunihiro: *See—*
Eshima, Taizo; Yasutake, Kunihiro; and Yamasaki, Katuhiko, 4,885,837, Cl. 29-564.000.
Yasutake, Nobuyuki; Kai, Jun-ichi; Yasuda, Hiroshi; and Kawashima, Kenichi, to Fujitsu Limited. Electron beam exposure system. 4,853,870, 8-1-89, Cl. 364-490.000.
Yasutake, Takayuki: *See—*
Hoshino, Ryoichi; Sasaki, Hironaka; and Yasutake, Takayuki, 4,825,941, Cl. 165-110.000.
Yasutaniya, Isamu. Envelope element, envelope blank and envelope formed from the envelope blank. 4,809,904, 3-7-89, Cl. 229-68.00R.
Yasutomi, Tsuyoshi: *See—*
Sasaki, Akira; Takahashi, Yoshihito; Hakoyama, Akiyoshi; Mikami, Katsumasa; Suzaki, Masafumi; Honma, Takeo; Yasutomi, Tsuyoshi; Shiraishi, Ryoichi; and Nishiguchi, Yasuo, 4,840,500, Cl. 400-120.000.
Yasuzawa, Toru: *See—*
Nakanishi, Satoshi; Yamada, Koji; Kawamoto, Isao; Ando, Katsuhiko; Sano, Hiroshi; Yasuzawa, Toru; and Kase, Hiroshi, 4,868,159, Cl. 514-25.000.
Nakano, Hirofumi; Takahashi, Isami; Tomita, Fusao; Asano, Kozo; Yasuzawa, Toru; Ashizawa, Tadashi; and Takahashi, Keiichi, 4,847,387, Cl. 549-384.000.
Yata, Masanori: *See—*
Sasaki, Hiroaki; Hasegawa, Kazuo; Fukukawa, Noboru; and Yata, Masanori, 4,797,769, Cl. 360-99.080.
Yatabe, Hiroshi: *See—*
Maeda, Ryu; Fukuoka, Shingoro; and Yatabe, Hiroshi, 4,842,959, Cl. 428-630.000.
Yatabe, Mitsunobu: *See—*
Shoji, Masaru; and Yatabe, Mitsunobu, 4,853,909, Cl. 368-190.000.
Yatabe, Toshiaki: *See—*
Yamaura, Michio; Yatabe, Toshiaki; Matsuzawa, Hiroshi; and Tomie, Takashi, 4,865,916, Cl. 428-336.000.
Yatagai, Shoko: *See—*
Ihara, Kazunori; Ohishi, Hiromi; and Yatagai, Shoko, 4,888,320, Cl. 502-304.000.
Yater, Jerry L.; and Carmichael, Stephen L., to Force Control Industries, Inc. Clutch/brake unit with self-contained actuating pump system. 4,860,862, 8-29-89, Cl. 192-18.00A.
Yates, Chester P., to Leggett & Platt, Incorporated. Bedding foundation having multiple-span sinuous wire springs. 4,853,991, 8-8-89, Cl. 5-247.000.
Yates, Donald B.; and Przbylinski, Phillip G., to Trinity Industries, Inc. Gondola car having frameless radial truck. 4,881,470, 11-21-89, Cl. 105-165.000.
Yates, Donald N., Jr., to Baker Hughes Incorporated. Shaped charge having multi-point initiation for well perforating guns and method. 4,829,901, 5-16-89, Cl. 102-306.000.
Yates, Donald N., Jr., to Baker Hughes Incorporated. Method and apparatus for firing a perforating gun. 4,886,126, 12-12-89, Cl. 175-4.540.
Yates, John B., III, to General Electric Company. Compatible polyphenylene ether-linear polyester blends containing mica reinforcement. 4,816,510, 3-28-89, Cl. 524-449.000.
Yates, John B., III; and White, Dwain M., to General Electric Company. Compatibilized polyphenylene ether-polyamide compositions and method of preparation. 4,859,739, 8-22-89, Cl. 525-92.000.
Yates, John B., III, to General Electric Company. Trialkylamine salt-functionalized polyphenylene ethers methods for their preparation, and compositions containing them. 4,889,889, 12-26-89, Cl. 525-92.000.
Yates, John B., III: *See—*
Bopp, Richard C.; and Yates, John B., III, 4,879,346, Cl. 525-146.000.
Brown, Sterling B.; and Yates, John B., III, 4,806,297, Cl. 264-102.000.
van der Meer, Roelof; and Yates, John B., III, 4,888,397, Cl. 525-391.000.
Yates, John T., Jr.; Griffin, Gregory L.; and Kiskinova, Maya. Temperature programmed spectroscopy techniques. 4,877,584, 10-31-89, Cl. 422-88.000.
Yates, John T., Jr.: *See—*
Smentkowski, Vincent S.; Hagans, Patrick L.; and Yates, John T., Jr., 4,871,526, Cl. 423-659.000.
Yates, Phillip J. Method and apparatus for removing fuel gun from boiler. 4,818,216, 4-4-89, Cl. 431-154.000.
Yates, Raymond: *See—*
Duxbury, Colin M.; and Yates, Raymond, 4,797,951, Cl. 455-608.000.
Yates, Raymond W., to International Limited; and Unicorn Industries Public Limited Company. Abrasive media. 4,832,706, 5-23-89, Cl. 51-293.000.
Yates, Robert H., to Archive Corporation. Circuit for providing a symmetric current to the head of a magnetic recording device. 4,816,932, 3-28-89, Cl. 360-46.000.
Yates, Victor: *See—*
Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,843,785, Cl. 52-160.000.
Sero, Samuel J.; Collins, James S.; and Yates, Victor, 4,882,891, Cl. 52-742.000.
Yato, Tadao; Hagino, Sadaaki; and Tanaka, Hiroshi, to Mitsubishi Kinzoku Kabushiki Kaisha. Method of controlling the crystal grain size of uranium dioxide pellet. 4,873,031, 10-10-89, Cl. 264-0.500.
Yato, Tadao; Onoue, Takeshi; and Tanaka, Hiroshi, to Mitsubishi Kinzoku Kabushiki Kaisha. Uo2 pellet fabrication process. 4,882,100, 11-21-89, Cl. 264-0.500.
Yato, Yoshiaki: *See—*
Fujimoto, Naonobu; Yorita, Takashi; Yato, Yoshiaki; Nakamura, Yoshinori; and Satoh, Kenji, 4,811,341, Cl. 370-112.000.
Fukushima, Takeo; Mizuguchi, Masami; Furukawa, Takahiro; Yato, Yoshiaki; Sato, Kenji; Fujimoto, Naonobu; and Murase, Tetsuro, 4,885,746, Cl. 370-102.000.
Yatomi, Takeshi; and Tanaka, Makoto, to Mitsubishi Denki Kabushiki Kaisha. Traveling wire electroerosion machine. 4,883,933, 11-28-89, Cl. 219-69.120.
Yatomi, Takeshi: *See—*
Ito, Haruhiko; Shibata, Yoshio; Banzai, Masato; and Yatomi, Takeshi, 4,839,487, Cl. 219-69.120.
Yamamoto, Masahiro; and Yatomi, Takeshi, 4,862,095, Cl. 324-543.000.
Yatomi, Toshiya: *See—*
Kimura, Takashi; Yatomi, Toshiya; and Edakubo, Hiroo, 4,873,91, Cl. 360-85.000.
Yatori, Masahide: *See—*
Suyama, Tomio; Yatori, Masahide; and Fujita, Tokiyo, 4,827,732, Cl. 62-233.000.
Yatou, Shigeru: *See—*
Maeda, Satoru; and Yatou, Shigeru, 4,805,119, Cl. 364-518.000.
Yatsenko, Sergei V.: *See—*
Bozhko, Valery P.; Yatsenko, Sergei V.; Strizhenko, Vitaly E.; Losev, Alexei V.; Pleshkov, Viktor I.; and Junash, Viktor M., 4,796,867, Cl. 266-51.000.
Yatsiv, Shaul; Gabay, Amnon; Brestel, Mordechai; and Blass, Judd, deceased (by Blass, Lorell, legal representative), to Alumor Lasers Ltd.; and Yissum-Research Development Company of the Hebrew University of Jerusalem. Ultra compact, RF excited gaseous lasers. 4,847,852, 7-11-89, Cl. 372-82.000.
Yatsu, Lawrence Y.; Calamari, Timothy A., Jr.; and Benerito, Ruth R., to United States of America, Agriculture. Stable crystalline cellulose III polymorphs. 4,871,370, 10-3-89, Cl. 8-116.100.
Yatsu, Tadao; and Akana, Yoshinori, to Mitsui Petrochemical Industries, Ltd. Polyester composition, molded polyester laminate and use thereof. 4,874,647, 10-17-89, Cl. 428-35.700.
Yatsu, Takeyuki: *See—*
Tanaka, Akihiro; Fujikura, Takashi; Tsuzuki, Ryuji; Yokota, Masaki; and Yatsu, Takeyuki, 4,876,261, Cl. 514-307.000.
Yatsuda, Hiromi; Takeuchi, Yoshihiko; Kohda, Toichi; and Yoshikawa, Shokichiro, to Nihon Musen Kabushiki Kaisha. Surface elastic wave filter. 4,878,036, 10-31-89, Cl. 333-195.000.
Yatsuda, Yuji; Hagiwara, Takaaki; Kondo, Ryuji; Minami, Shinichi; and Itoh, Yokichi, to Hitachi, Ltd. Method of forming well regions for field effect transistors utilizing self-aligned techniques. 4,851,364, 7-25-89, Cl. 437-42.000.
Yatsuda, Yuji: *See—*
Yeh, Ching-Fa; Misawa, Yasunao; and Yatsuda, Yuji, 4,818,719, Cl. 437-057.000.
Yatsuhashi, Motoharu; Mochizuki, Masataka; and Sugihara, Shinichi, to Fujikura Ltd.; and Doryokuro Kakunenryo Kaihatsu Jigyodan. Heat exchanger using heat pipes. 4,842,053, 6-27-89, Cl. 165-104.140.
Yatsuk, Alexandr A.: *See—*
Natalevich, Alexandr N.; Bondarenko, Alexei G.; Skoibeda, Anatoly T.; Trofimov, Leonid G.; Yatsuk, Alexandr A.; Khomovsky, Alexandr S.; and Nikonchuk, Andrei N., 4,867,661, Cl. 425-34.200.

Yatsuka, Takeshi; Kotera, Nobukazu; and Mizumura, Yutaka, to Toyo Boseki Kabushiki Kaisha. Magnetic recording medium. 4,842,942, 6-27-89, Cl. 428-425.900.
Yatsunami, Kenroh, to Sharp Kabushiki Kaisha. Image display system. 4,884,146, 11-28-89, Cl. 358-400.000.
Yatsuo, Tsutomu: *See—*
Satou, Yukimasa; Yatsuo, Tsutomu; Oikawa, Saburo; and Sanpei, Isamu, 4,825,270, Cl. 357-38.000.
Yatsurugi, Yoshifumi: *See—*
Maruya, Shinji; Yatsurugi, Yoshifumi; and Togashi, Kazuya, 4,857,270, Cl. 420-578.000.
Yatsuzuka, Takashi; Ohba, Tetsuya; Tanabe, Kouji; Kojima, Tatsuo; Kobayashi, Tatsunobu; and Katou, Kouki, to Mitsubishi Kinzoku Kabushiki Kaisha; and Nippon Steel Corporation. Roll for mill. 4,817,410, 4-4-89, Cl. 72-199.000.
Yatsuzuka, Yasuhumi, to Sharp Kabushiki Kaisha. Converter circuit. 4,829,413, 5-9-89, Cl. 363-19.000.
Yatsuzuka, Yasuhumi: *See—*
Tsujioka, Hiroshi; Yoneda, Shigeo; and Yatsuzuka, Yasuhumi, 4,887,227, Cl. 364-519.000.
Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, 4,835,609, Cl. 358-142.000.
Yatsuzuka, Yohtaro, to Kokusai Denshin Denwa Co., Ltd. Speech coding system. 4,811,396, 3-7-89, Cl. 381-30.000.
Yatuka, Takeshi: *See—*
Endoh, Hiroshi; Zama, Yoshimasa; Kadowaki, Nobuo; Yatuka, Takeshi; Nagai, Hiroshi; and Mizumura, Yutaka, 4,859,523, Cl. 428-215.000.
Yau, Ben J.: *See—*
Brandon, Ralph E.; Yau, Ben J.; and Helwig, Gregory S., 4,849,281, Cl. 428-280.000.
Yau, Leopoldo D.; and Kawamoto, Galen H., to Intel Corporation. Pulsed dual radio frequency CVD process. 4,837,185, 6-6-89, Cl. 437-228.000.
Yau, Robert L.: *See—*
Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, 4,888,731, Cl. 365-49.000.
Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, 4,890,260, Cl. 365-49.000.
Yau, Wallace W., to Du Pont de Nemours, E. I., and Company. Viscosity detection method for liquid chromatography systems with carrier liquids having time-varying viscosity. 4,876,882, 10-31-89, Cl. 73-55.000.
Yau, Wing: *See—*
Schellenberg, James M.; and Yau, Wing, 4,835,496, Cl. 333-128.000.
Yau-Young, Annie: *See—*
Guo, Luke S. S.; Redemann, Carl T.; Radhakrishnan, Ramachandran; and Yau-Young, Annie, 4,839,175, Cl. 424-450.000.
Yau, Yung-Herng: *See—*
Steinbicker, Richard N.; Townsend, Herbert E.; and Yau, Yung-Herng, 4,840,712, Cl. 204-28.000.
Yauger, James G.; and Rushton, John M., to MiTek Industries, Inc. Joist hanger. 4,802,786, 2-7-89, Cl. 403-232.100.
Yavari, Ali R.: *See—*
Senillou, Claude; de Framond, Remy; Garnier, Marcel; Yavari, Ali R.; and Joud, Jean-Charles, 4,858,675, Cl. 164-503.000.
Yaver, Perry N., to D.L. Auld Company, The. Decorative trim strip with enhanced depth of vision. 4,877,657, 10-31-89, Cl. 428-31.000.
Yavorsky, William M., to Ecodyne Corporation. Pressure vessel with a bladder. 4,817,830, 4-4-89, Cl. 222-386.500.
Yaw, Daniel F.: *See—*
Nathanson, Harvey C.; Driver, Michael C.; Cresswell, Michael W.; Freitag, Ronald G.; Alexander, Donald K.; and Yaw, Daniel F., 4,823,136, Cl. 342-368.000.
Yawberg, Richard C., to Owens-Corning Fiberglas Corporation. Fibrous insulation batt delivering machine. 4,805,374, 2-21-89, Cl. 53-120.000.
Yawberg, Richard C.; and Scott, James W., to Owens-Corning Fiberglas Corporation. Fibrous insulation batt packaging machine. 4,817,365, 4-4-89, Cl. 53-438.000.
Yawberg, Richard C.: *See—*
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Sugiyama, Masaaki; Watanabe, Mitsugu; Hayashi, Hideharu; Nishio, Yukio; and Yamamoto, Masaki, 4,801,035, Cl. 220-3.800.
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- Yoneyama, Norihiro, 4,811,922, Cl. 248-73.000.
- Yukawa, Yoshimi; and Wakabayashi, Seiichi, 4,800,359, Cl. 338-214.000.

Yazaki, Jinichi; and Tamura, Akihiko, to Toyo Seikan Kaisha, LTD. Vessel comprising resin composition. 4,877,662, 10-31-89, Cl. 428-36.700.

Yazaki, Jinichi: *See—*
- Ueki, Toru; Yazaki, Jinichi; Tamura, Akihiko; Amemiya, Hideo; and Miyazaki, Takashi, 4,826,735, Cl. 428-476.100.

Yazaki Kakoh Co., Ltd.: *See—*
- Yoshino, Syuji; Makino, Satoshi; Fujita, Mitsuo; and Shimizu, Yukio, 4,839,204, Cl. 428-358.000.

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Yazaki, Minoru; Sato, Yuzuru; and Ito, Akihiko, to Seiko Epson Corporation. Method for driving a liquid crystal element. 4,850,676, 7-25-89, Cl. 350-332.000.

Yazaki, Takao: *See—*
- Egashira, Akihiko; Yazaki, Takao; Kakizaki, Tetsuzi; and Mizutani, Toshikazu, 4,866,117, Cl. 524-406.000.

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- Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, 4,821,078, Cl. 355-75.000.

Yazaki, Yoshio, to ORC Manufacturing Co. Ltd. Annular light source unit using electrodeless discharge and a method of lighting the same. 4,866,351, 9-12-89, Cl. 315-248.000.

Yazawa, Akira, to NEC Corporation. Watchdog timer circuit suited for use in microcomputer. 4,879,647, 11-7-89, Cl. 364-200.000.

Yazawa, Kazunaga: *See—*
- Kawai, Yasuo; Yazawa, Kazunaga; Suegara, Nobuo; and Shimohashi, Hirotaka, 4,797,278, Cl. 424-93.000.
- Kawai, Yasuo; and Yazawa, Kazunaga. 4,812,441, Cl. 514-2.000.
- Kawai, Yasuo; and Yazawa, Kazunaga, 4,833,129, Cl. 514-44.000.

Yazawa, Kenichiro; Seshimoto, Osamu; Kitajima, Masao; and Kondo, Asaji, to Fuji Photo Film Co., Ltd. Multilayer device for detecting bilurubin. 4,877,579, 10-31-89, Cl. 422-56.000.

Yazawa, Masayuki; Fukukawa, Mitsuo; Asai, Kazumitsu; and Okamoto, Yoshiharu, to Kajima Corporation; and Kajima Road Company. System for compacting paved surfaces. 4,801,219, 1-31-89, Cl. 404-125.000.

Yazawa, Masayuki: *See—*
- Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,854,769, Cl. 404-72.000.
- Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; Okamoto, Yoshiharu; and Mio, Kouhei, 4,861,189, Cl. 404-84.000.
- Takizawa, Seiichiro; Fukukawa, Mitsuo; Yazawa, Masayuki; Asai, Kazumitsu; and Okamoto, Yoshiharu, 4,852,278, Cl. 37-197.000.

Yazawa, Nobuyoshi, to Olympus Optical Co., Ltd. Imaging apparatus for endoscope. 4,797,737, 1-10-89, Cl. 358-98.000.

Yazawa, Nobuyoshi: *See—*
- Yoshinaga, Jun; and Yazawa, Nobuyoshi, 4,839,723, Cl. 358-98.000.

Yazawa, Shigeo: *See—*
- Shimada, Taizo; Miyata, Osamu; Tajima, Tomoaki; Yazawa, Shigeo; Tsuda, Toshio; Komuro, Shuichi; Mizote, Eiji; and Nakagawa, Tomomi, 4,834,035, Cl. 123-188.00M.

Yazawa, Yoshiaki; Kobayashi, Yutaka; Fukami, Akira; and Nagano, Takahiro, to Hitachi, Ltd. MOSFET with reduced short channel effect. 4,819,043, 4-4-89, Cl. 357-23.300.

Yazawa, Yoshiaki: *See—*
- Mitsumoto, Kinya; Nakazato, Shinji; Yazawa, Yoshiaki; Odaka, Masanori; Uchida, Hideaki; and Miyakawa, Nobuaki, 4,829,479, Cl. 365-189.090.

Yazawa, Yoshiyuki; Ohnishi, Hirofumi; Akimoto, Taizo; Washizu, Susumu; and Shoji, Tsuyoshi, to Fuji Photo Equipment Co., Ltd. Video image storage device. 4,843,471, 6-27-89, Cl. 358-160.000.

Yazawa, Yoshiyuki: *See—*
- Akimoto, Taizo; Nishiyama, Mikio; Yazawa, Yoshiyuki; and Ohnishi, Hirohumi, 4,827,341, Cl. 358-148.000.

Yazawa, Yukichi: *See—*
- Hotta, Kouichi; Yazawa, Yukichi; and Tatsukawa, Osami, 4,814,588, Cl. 219-10.55B.

Yazdy, Farid A.: *See—*
- Garverick, Timothy L.; Yazdy, Farid A.; Henderson, Richard D.; and Meier, Webster B., 4,887,240, Cl. 361-222.000.

Yazu, Shuji: *See—*
- Fujimori, Naoji; Harada, Keizo; Yazu, Shuji; and Jodai, Tetsuji, 4,866,032, Cl. 505-1.000.
- Itozaki, Hideo; Tanaka, Saburo; Fujita, Nobuhiko; Yazu, Shuji; and Jodai, Tetsuji, 4,880,773, Cl. 505-1.000.

Yazu, Syuzi: *See—*
- Nakai, Tetsuo; Yazu, Syuzi; Asai, Keizo; and Kumazawa, Yoshiaki, 4,828,611, Cl. 75-237.000.

Yazu, Takashi; and Morito, Makoto, to Oki Electric Industry Co., Ltd. Sub-band speech analyzing and synthesizing device. 4,868,868, 9-19-89, Cl. 381-37.000.

Ybarra, Robert. Movable wall assembly. 4,835,923, 6-6-89, Cl. 52-238.100.

Ybarra-Rojas, Amilcar B.: *See—*
- Chang, Stanley S.; Ybarra-Rojas, Amilcar B.; and Bau, Hui, 4,845,510, Cl. 343-880.000.

Ybema, Jan; and Schutte, Gerhard, to Coop Weiproduktenfabriek "Borculo" W.A. Method of promoting the health and the growth of piglets. 4,857,338, 8-15-89, Cl. 426-2.000.

Ye Data Inc.: *See—*
- Tatsumi, Juichi, 4,844,634, Cl. 400-121.000.

Ye, Yi: *See—*
- Miller, Jan D.; and Ye, Yi, 4,828,686, Cl. 209-166.000.

Yeager, Frances M.: *See—*
- Lewis, Lynette A.; Messenger, Lowry; Yeager, Frances M.; and Yip, Kin F., 4,847,209, Cl. 436-533.000.

Yeager, Gary W.; White, Dwain M.; Factoe, Arnold; Factir Arnold; Haaf, William R.; and Haaf, William R., to General Electric Company. Flame retardant extrudate of polypheylene ether blends, and method of making. 4,863,984, 9-5-89, Cl. 524-157.000.

Yeager, Gary W., to General Electric Company. Polyphenylene ether amine salts, flame retardant extrudate of blends thereof, and method of making. 4,863,998, 9-5-89, Cl. 525-132.000.

Yeager, Gary W.; and Schissel, David N., to General Electric Company. Hydroxy-terminated arylene ethers, and method for making. 4,873,371, 10-10-89, Cl. 568-33.000.

Yeager, Gary W.: *See—*
- Langer, Matthew E.; Schissel, David N.; and Yeager, Gary W., 4,845,184, Cl. 528-193.000.
- Schissel, David N.; Langer, Matthew E.; and Yeager, Gary W., 4,847,351, Cl. 528-193.000.

Yeager, James F., to Boeing Company, The. Method of manufacturing a contoured elastomeric pad. 4,824,631, 4-25-89, Cl. 264-552.000.

Yeager, Patrick F.: *See—*
- Farrar, John C.; Ney, Reuben E.; Schroeder, James L., III; and Yeager, Patrick F., 4,820,174, Cl. 439-95.000.

Yeager, Richard. Utility shut off apparatus. 4,833,461, 5-23-89, Cl. 340-690.000.

Yeager, Robert H.: *See—*
- Shaffer, Ralph E.; Chanter, Edward G.; Randleman, Randy J.; and Yeager, Robert H., 4,822,316, Cl. 446-466.000.

Yeakle, Gary R.: *See—*
- Dalziel, Warren L.; Deremer, Stephen L.; Dugan, Michael T.; Flanigan, Charles D.; Maiers, Martin J.; Moriconi, David P.; Peddle, Charles I.; Sehnal, Peter; Stark, Glenn M.; Stein, Kenneth M.; Tandon, Sirjang L.; Taylor, Robert G., Jr.; and Yeakle, Gary R., 4,833,554, Cl. 360-98.040.

Yeakle, William H., to Vestil Manufacturing Company. Multi-condition responsive vehicle restraining apparatus. 4,830,563, 5-16-89, Cl. 414-401.000.

Yeakley, Richard L.: *See—*
- Spratt, David B.; Zorinsky, Eldon J.; Virkus, Robert L.; Bea Kenneth E.; and Yeakley, Richard L., 4,849,370, Cl. 437-71.00
- Zorinsky, Eldon J.; Spratt, David B.; and Yeakley, Richard L. 4,810,667, Cl. 437-62.000.

Yeaman, Charles T., to Power Play Tools, Inc. Isokinetic exercise apparatus for arms and chest. 4,865,316, 9-12-89, Cl. 272-135.00

Yeaman, George A.: *See—*
- Katchka, Jay R.; Yeaman, George A.; and McKinney, Richard W. 4,872,830, Cl. 431-54.000.

Yeaney, Gerald L.: *See—*
- Childers, Robert W.; Cook, Thomas G.; Karle, David A.; Krule Ronald P.; Sparber, George E.; and Yeaney, Gerald L. 4,808,377, Cl. 422-26.000.

Year Laboratories, Inc.: *See—*
- Rebek, Julius, 4,861,564, Cl. 423-21.500.

Yearell-Vinson, Cheryl: *See—*
- Grabiak, Raymond C.; Howe, Robert K.; and Yearell-Vinson Cheryl, 4,818,270, Cl. 71-88.000.

Yeargain, John R.: *See—*
- Pfiester, James R.; and Yeargain, John R., 4,835,112, Cl. 437-24.00

Yearout, Jacob S., to W. R. Grace & Co.-Conn. Apparatus and method for protecting gas separation membranes from damage due to reversal of differential pressure. 4,808,199, 2-28-89, Cl. 55-16.000.

Yeary, Robert L.; Parkes, Larry J.; and Fuhs, Norbert M., to General Motors Corporation. Milling machine. 4,832,544, 5-23-89, Cl. 409-158.000.

Yeatts, Roy E.: *See—*
- Langley, William H.; Yeatts, Roy E.; Hein, Carl C., III; and Kochak, Matthew S., 4,807,745, Cl. 206-245.000.

Yeazel, Kenneth L.; and Forester, Robert J., to Crane Carrier Company. Side refuse loader for vehicles. 4,872,801, 10-10-89, Cl. 414-409.000.

Yecheskel, Herzel B.; Alon, Gad; and Beck, Eliezer. Treatment of cotton. 4,796,334, 1-10-89, Cl. 19-0.270.

Yechiel, Elishalom: *See—*
- Barenholz, Yechezkel; and Yechiel, Elishalom, 4,812,314, Cl. 424-450.000.

Yeda Research and Development Co., Ltd.: *See—*
- Daren, Stephen L. J.; Vofsi, David; and Peled, Michael, 4,835,33 Cl. 570-105.000.
- Drusinsky, Doron; and Harel, David, 4,799,141, Cl. 364-141.00
- Goldring, Gvirol, 4,800,060, Cl. 376-202.000.
- Levin, Gideon, 4,806,393, Cl. 427-384.000.
- Lippa, Arnold S.; and Scheer, David I., 4,857,514, Cl. 514-78.00
- Margaritz, Mordeckai; Ronen, Daniel; and Levy, Itzhak, 4,857,47 Cl. 436-177.000.
- Margel, Shlomo, 4,861,705, Cl. 435-2.000.
- Niego, Shlomo; Galun, Esra; and Levy, Margalith, 4,822,949, Cl. 800-1.000.
- Nudelman, Abraham; Herzig, Jaacov; and Keinan, Eh 4,855,417, Cl. 536-121.000.
- Revel, Michel; and Rubinstein, Menachem, 4,808,523, Cl. 435-68.000.

- Revel, Michel; Rubinstein, Menachem; and Mory, Yvez, 4,889,803, Cl. 435-69.510.
- Vlodavsky, Israel; Eldor, Amiram; Naparstek, Yaakov; and Cohen, Irun R., 4,882,318, Cl. 514-56.000.
- Zbaida, David; Shavit, Edna; Addadi, Lia; Lahav, Meir; and Weissbuch, Isabelle, 4,864,031, Cl. 548-344.000.

Yedid, Harry: *See—*
- Burch, Richard A.; McMahan, Dennis B.; and Yedid, Harry, 4,805,191, Cl. 375-11.000.

Yee, Benjamin K. C.; and Younan, William L., to Sandoz Ltd. Water-soluble polyamides containing aromatic groups. 4,870,119, 9-26-89, Cl. 523-417.000.

Yee, Bruce, to Apexcel Co., Ltd. Dual-seat foldable baby cart. 4,834,415, 5-30-89, Cl. 280-644.000.

Yee, David T.; and Lin, Eric, to A B Oriental Trading Co., Inc. Folding tandem seat baby carriage. 4,858,947, 8-22-89, Cl. 280-643.000.

Yee, David T.; Lin, Eric; and Yee, Fang-Tung, to A B Oriental Trading Company, Inc. Tandem baby carriage with facing seats. 4,886,289, 12-12-89, Cl. 280-643.000.

Yee, Fang-Tung: *See—*
- Yee, David T.; Lin, Eric; and Yee, Fang-Tung, 4,886,289, Cl. 280-643.000.

Yee, Henry C.: *See—*
- Berkovich, Semyon; Yee, Henry C.; and Walter, Chris J., 4,868,814, Cl. 370-67.000.

Yee, Jordan. Medical applicator process. 4,886,493, 12-12-89, Cl. 604-54.000.

Yee, Phillip D.: *See—*
- Drewes, Douglas A.; and Yee, Phillip D., 4,883,154, Cl. 192-98.000.

Yee, Raymond M. Sound reproduction system. 4,882,760, 11-21-89, Cl. 381-90.000.

Yee, Skipper K., to Karlin, Gary. Filter apparatus for fluids with co-axially stacked filter elements. 4,869,820, 9-26-89, Cl. 210-316.000.

Yee, Victor H.: *See—*
- Crosley, Thomas W.; Davison, Wayne; Goldberg, James R.; Hofheins, Leonard L.; Lichty, Ronald D.; Vollum, Charles A.; Vollum, Stephen H.; and Yee, Victor H., 4,837,822, Cl. 380-23.000.

Yee, Wayne J.: *See—*
- DeMartino, John D.; and Yee, Wayne J., 4,822,197, Cl. 403-154.000.

Yee, Ying K.: *See—*
- Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,837,235, Cl. 514-234.500.
- Bernstein, Peter R.; Brown, Frederick J.; Matassa, Victor G.; and Yee, Ying K., 4,859,692, Cl. 514-381.000.

Yeganeh, Mary S.: *See—*
- Chen, Albert C.; DeLuca, Robert D.; Jones, Robin M. F.; Mueller, Donald S.; and Yeganeh, Mary S., 4,826,430, Cl. 433-8.000.

Yeh, An-I: *See—*
- Berg, Lloyd; and Yeh, An-I, 4,822,947, Cl. 585-805.000.
- Berg, Lloyd; and Yeh, An-I, 4,826,576, Cl. 203-56.000.

Yeh, Ching-Fa; Misawa, Yasunao; and Yatsuda, Yuji, to Fuji Xerox Co., Ltd. Method of manufacturing an integrated CMOS of ordinary logic circuit and of high voltage MOS circuit. 4,818,719, 4-4-89, Cl. 437-057.000.

Yeh, Ching H., to Catwin Industrial Corp. Lock device with concealed mounting screws. 4,813,250, 3-21-89, Cl. 70-104.000.

Yeh, Chuen M.: *See—*
- Chang, Ming Z.; Yeh, Chuen M.; and Yeh, Chuen Y., 4,841,967, Cl. 128-303.00B.

Yeh, Chuen Y.; and Savini, Charles, to Exxon Research & Engineering Company. Process for preparation of keystones by oxidation of secondary alcohols using a trimetallic catalyst comprising molybdenum, rhenium and a group VIII noble metal. 4,876,392, 10-24-89, Cl. 568-404.000.

Yeh, Chuen Y.: *See—*
- Chang, Ming Z.; Yeh, Chuen M.; and Yeh, Chuen Y., 4,841,967, Cl. 128-303.00B

Yeh, Gong-Jong: *See—*
- Ko, Wen-Hsiung; and Yeh, Gong-Jong, 4,820,971, Cl. 324-61.00R.

Yeh, Gwo-Guer: *See—*
- Shu, Chi-Yao, 4,856,296, Cl. 62-430.000.

Yeh, Hen-Geul: *See—*
- Chang, Jaw J.; and Yeh, Hen-Geul, 4,823,299, Cl. 364-735.000.

Yeh, Henry: *See—*
- Anderson, Gary D.; Hladik, Gerald J.; Mosher, Lawrence G.; Ricci, Raymond L.; and Yeh, Henry, 4,868,783, Cl. 364-900.000.

Yeh, Hsu-Chieh. Device for producing high heat transfer in heat exchanger tubes. 4,832,114, 5-23-89, Cl. 115-85.000.

Yeh, Hun C., to Allied-Signal Inc. High strength silicon nitride. 4,870,036, 9-26-89, Cl. 501-97.000.

Yeh, James C. J.: *See—*
- Driggers, John M.; and Yeh, James C. J., 4,814,702, Cl. 324-207.000.

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Yeh, Pochi A., to Rockwell International Corporation. Reconfigurable 0ptical interconnect using dynamic hologram. 4,877,297, 10-31-89, Cl. 350-3.680.

Yeh, Shih-Yuan. Fishing reel with removable rotor. 4,811,916, 3-14-89, Cl. 242-84.20R.

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- Erceg, Jack P.; and Yeh, Tzong I., 4,885,820, Cl. 16-225.000.

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Yein, Frederick S.: *See—*
- Baldwin, Thomas O.; Holzman, Thomas F.; Satoh, Paul S.; and Yein, Frederick S., 4,879,249, Cl. 436-543.000.

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Yelderman, Joe C. Pivotally collapsible boat. 4,827,865, 5-9-89, Cl. 114-353.000.

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- Goodman, David E.; Corenman, James E.; New, William, Jr.; and Yelderman, Mark, 4,830,014, Cl. 128-665.000.

Yellin, Haim: *See—*
- Kasan, Rodney; Yellin, Haim; and Seiffe, Michael, 4,883,805, Cl. 514-411.000.
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- Ladkani, David; Yellin, Haim; Weiner, Ben Z.; and Avnir, David, 4,851,426, Cl. 514-420.000.
- Vaya, Jacob; Ladkani, David; Schoenberger, Clara; Kaspi, Joseph; Salemnick, Gad; Yellin, Haim; and Cherkez, Stephan, 4,889,929, Cl. 540-318.000.

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- Gustafson, Eric K.; Trebino, Rick; and Lee, John, 4,876,208, Cl. 436-531.000.
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Yelton, M. Melanie: *See—*
- Timberlake, William E.; Hamer, John E.; and Yelton, M. Melanie, 4,816,405, Cl. 435-252.330.

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- Moles, David A.; and Yemington, Charles R., 4,886,395, Cl. 405-169.000.

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Yendo, Masayoshi. Multi-storied multiple-unit dwelling. 4,794,747, 1-3-89, Cl. 52-236.300.

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- Yeo, Richard S.: *See—*
  - Braun, Ralph V.; Garrett, Lance; Phelan, Robert J.; and Yeo, Richard S., 4,828,556, Cl. 604-365.000.
- Yeom, Kwang Y., to Goldstar Co., Ltd. Shield case for antenna terminal. 4,816,612, 3-28-89, Cl. 174-35.00R.
- Yeoman, David R. Wind turbine. 4,850,792, 7-25-89, Cl. 415-4.200.
- Yeoman, Edwin H., to AM International Incorporated. Sheet material handling apparatus. 4,795,144, 1-3-89, Cl. 270-58.000.
- Yeoman, George A., executor: *See—*
  - Ower, Ronald D., deceased; Mills, Gary L.; and Malachowski, James A., 4,866,878, Cl. 47-1.100.
- Yeoman, Roger L., to Ranco Incorporated of Delaware. Automobile coolant flow control. 4,800,925, 1-31-89, Cl. 138-46.000.
- Yeomans, Andrew J. V., to Crosfield Electronics Limited. Image display with movable magnification. 4,800,379, 1-24-89, Cl. 340-731.000.
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- Yeomans, Arthur S., Jr. Spherical support apparatus movable over plane surfaces. 4,861,053, 8-29-89, Cl. 280-205.000.
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  - Stephan, Donald C.; Sharp, Timothy M.; Yeomans, Gary A.; Abney, James R.; and Domas, Ben V., 4,867,499, Cl. 296-50.000.
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- Yerkes, Patricia J. Stand for a shorthand machine. 4,889,301, 12-26-89, Cl. 248-124.000.
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- Yesair, David W. Composition for delivery of orally administered drugs and other substances. 4,874,795, 10-17-89, Cl. 514-725.000.
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  - Hug, Paul; Umeda, Bill; Yesnosky, Paul A.; Raudebaugh, Bart; Ricco, Gary; and McCabe, Gary E., 4,855,980, Cl. 369-36.000.
  - Hug, Paul M.; Frese, Dale C.; Yesnosky, Paul A.; Umeda, William H.; and Suchomel, Frank R., 4,817,070, Cl. 369-36.000.
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- Yester, Francis R., Jr.: *See—*
  - Gailus, Paul H.; Turney, William J.; and Yester, Francis R., Jr., 4,857,928, Cl. 341-143.000.
- Yet, Inc.: *See—*
  - York, Robert L., 4,852,942, Cl. 297-195.000.
- Yetter Manufacturing Company: *See—*
  - Williamson, Gerald E.; and Hartwig, Donald R., 4,858,698, Cl. 172-448.000.
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  - Kellems, Rodney E.; and Yeung, Cho-Yau, 4,822,736, Cl. 435-91.000.
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  - Smith, Walter P.; Hawkins, Geoffrey R.; and Yeung, David, 4,851,215, Cl. 424-72.000.
- Yeung, Hin-Wing: *See—*
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- Yeung, Peter C.: *See—*
  - Jannson, Tomasz P.; Jannson, Joanna L.; and Yeung, Peter C., 4,838,630, Cl. 350-3.700.
- Yeung, Simon Y.: *See—*
  - Aly, Fouad A.; and Yeung, Simon Y., 4,810,428, Cl. 261-96.000.
- Yevich, Joseph P.: *See—*
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- Yi, Basilio: *See—*
  - Chan, Harry; and Yi, Basilio, 4,798,472, Cl. 366-89.000.
  - Chan, Harry; and Yi, Basilio, 4,808,098, Cl. 425-72.100.
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- Yicheng, Wu: *See—*
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- Yie, Gene G., to Fluidyne Corporation. Check valve assembly for high pressure pumps. 4,862,911, 9-5-89, Cl. 137-454.400.
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- Yim, Nelson C. F.: *See—*
  - Callahan, James F.; Huffman, William F.; Newlander, Kenneth A.; and Yim, Nelson C. F., 4,810,778, Cl. 530-328.000.
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- Yinger, William W. Plant support. 4,872,283, 10-10-89, Cl. 47-70.000.
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- Yip, Tom: *See—*
  - Kasper, Klaus B.; and Yip, Tom, 4,854,995, Cl. 156-243.000.
- Yip, Yum K.: *See—*
  - Taniguchi, Tadatsugu; Sugano, Haruo; Nishi, Tatsunari; Vilcek, Jan T.; and Yip, Yum K., 4,835,256, Cl. 530-351.000.
- Yirmiyahu, Benyamin: *See—*
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  - Leiponen, Matti O.; Erlamo, Seppo J.; Kujanpaa, Pentti K.; and Ylimaki, Olli E., 4,806,213, Cl. 204-12.000.
- Ylitalo, Juha T.: *See—*
  - Greenleaf, James F.; and Ylitalo, Juha T., 4,829,430, Cl. 364-413.250.
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- Yoda, Hiroaki: *See—*
  - Kurokawa, Hideaki; Yamada, Akira; Koseki, Yasuo; Matsuzaki, Harumi; Ebara, Katsuya; Takahashi, Sankichi; Yoda, Hiroaki; Hayashi, Nobuatsu; Okouchi, Isao; Hishinuma, Yukio; and Momma, Naohiro, 4,879,041, Cl. 210-640.000.
- Yoda, Kiyoshi: *See—*
  - Hanakawa, Kazushi; and Yoda, Kiyoshi, 4,868,502, Cl. 324-309.000.
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- Yoda, Koji: *See—*
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  - Baba, Kenji; Yahagi, Hayao; Watanabe, Shoji; Hara, Naoki; Yoda, Mikio; Mori, Shunji; Iida, Takashi; Katori, Takashi; and Ishida, Masahiko, 4,888,703, Cl. 364-496.000.
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  - Ninomiya, Noboru; Hagiwara, Osamu; and Yoda, Toshira, 4,845,641, Cl. 364-518.000.
- Yoda, Yoshiro, to Olympus Optical Co., Ltd. Reproduction apparatus for a magneto-optical recording medium. 4,833,662, 5-23-89, Cl. 369-13.000.
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- Yoder, Alan J., to Vermeer Manufacturing Co. Guard unit for a stump removing machine cutter wheel. 4,848,423, 7-18-89, Cl. 144-2.00N.
- Yoder Brothers, Inc.: *See—*
  - Vandenberg, Cornelis P., 4,827,0[illegible]1, Cl. 800-1.000.
- Yoder, Darrel K. Test Photographic image easel. 4,821,079, 4-11-89, Cl. 355-74.000.
- Yoder, Dennis G., to CTB, Inc. Vent system for storage bins. 4,867,046, 9-19-89, Cl. 98-55.000.
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  - Baron, Henry C.; LeBlanc, Johnny J.; Storey, Thomas M.; and Yoder, Joseph W., 4,852,061, Cl. 365-154.000.
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- Yodlowski, Robert A. J.: *See—*
  - Wolrich, Gilbert M.; McLellan, Edward J.; Yodlowski, Robert A. J.; Badeau, Roy W.; and Kowaleski, John A., Jr., 4,811,272, Cl. 364-788.000.
  - Wolrich, Gilbert M.; McLellan, Edward J.; and Yodlowski, Robert A. J., 4,887,232, Cl. 364-754.000.
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  - Iwasaki, Kozo; Kuragano, Morimasa; Koshibe, Minoru; Sezaki, Yoshihiro; Yoguchi, Katsuji; and Koyama, Yoshio, 4,879,412, Cl. 562-600.000.
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  - Takahashi, Ken; and Yohda, Hiroshi, 4,868,698, Cl. 360-126.000.
- Yohe, Warren C., to GTE Valenite Corporation. Surface modified cemented carbides. 4,828,612, 5-9-89, Cl. 75-238.000.
- Yohn, Brent D., to AMP Incorporated. Electrical terminal and method of making same. 4,810,214, 3-7-89, Cl. 439-842.000.
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  - Scobie, William B.; and Yohner, Paul A., 4,828,221, Cl. 251-308.000.
- Yoichi, Kotanshi: *See—*
  - Eturo, Yasuda; Hiroshi, Matsuoka; Hiroyuki, Yoshida; Yoichi, Kotanshi; and Yasushi, Sawada, 4,803 763, Cl. 29-25.350.
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  - Minematu, Yoiti; Tajima, Toshio; and Nakajima, Shigeharu, 4,859,903, Cl. 313-487.000.
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  - Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama, Goudai, 4,806,724, Cl. 219-121.680.
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  - Kishimoto, Tadao; Isobe, Toshifumi; Maruyama, Hiroyuki; and Yokobori, Jun, 4,806,973, Cl. 355-4.000.
  - Maruyama, Hiroyuki; Kishimoto, Tadao; Isobe, Toshifumi; and Yokobori, Jun, 4,849,829, Cl. 358-451.000.
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- Yokobori, Takeo: *See—*
  - Ishiwaka, Takumi; Andoh, Yukio; Yamaguchi, Michiyuki; Suzuki, Shosuke; Egashira, Yoshinori; Yokobori, Takeo; and Ohashi, Takashi, 4,887,923, Cl. 400-659.000.
- Yokochi, Toshihiro: *See—*
  - Sako, Takeshi; Yokochi, Toshihiro; Sato, Masahito; Suzuki, Osamu; Hakuta, Toshikatsu, Sugeta, Tsutomu; and Nakazawa, Noriaki, 4,857,329, Cl. 424-195.100.
  - Suzuki, Osamu; and Yokochi, Toshihiro, 4,870,011, Cl. 435-134.000.
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  - Hashimoto, Miho; Yokoe, Masaaki; Kurono, Yoshikazu; and Hayashi, Koji, 4,841,891, Cl. 112-262.300.
- Yokogawa Aviation Company, Ltd.: *See—*
  - Kamei, Takeo; and Sekine, Katsuyuki, 4,854,891, Cl. 439-462.000.
- Yokogawa Electric Corporation: *See—*
  - Akiyama, Koji; Ohte, Akira; and Iwaoka, Hideto, 4,833,681, Cl. 372-32.000.
  - Chigusa, Takehiko; Hashimoto, Hitoshi; Kawamura, Tsunenori; Fukushima, Kazunori; Kurokawa, Kiyoumi; and Miyazaki, Masakatsu, 4,848,321, Cl. 127-61.000.
  - Hirata, Terutaka; Odohira, Tetsu; and Nishikawa, Tadashi, 4,800,759, Cl. 73-708.000.
  - Ikeda, Kyoichi; Watanabe, Tetsuya; and Higashino, Yasushi, 4,841,775, Cl. 73-704.000.
  - Inou, Kiyoharu; and Sakimoto, Katsuji, 4,862,339, Cl. 363-21.000.
  - Itoh, Ichizo; Owada, Hiroshi; and Fujii, Toru, 4,825,116, Cl. 310-335.000.
  - Iwaoka, Hideto; Ohte, Akira; and Akiyama, Koji, 4,856,899, Cl. 356-346.000.
  - Kawata, Yasunori; and Kanno, Fujio, 4,870,590, Cl. 364-468.000.
  - Kuwahara, Hajime; Matsumoto, Takaharu; and Ono, Yutaka, 4,833,624, Cl. 364-513.000.
  - Maeda, Masato, 4,828,673, Cl. 204-427.000.
  - Maeda, Masato; and Takeuchi, Hideo, 4,860,574, Cl. 73-27.00A.
  - Mikuriya, Kenta; Hanawaka, Masuo; Ohya, Akira; Hirukawa, Hideo; Uehara, Shoji; and Yamakawa, Kenichi, 4,832,487, Cl. 356-243.000.
  - Mikuriya, Kenta; Ohya, Akira; Nakagawara, Minoru; Hirukawa, Hideo; and Uehara, Shoji, 4,850,695, Cl. 356-237.000.
  - Muramatsu, Yasuhiko; Ohta, Susumu; Takagi, Toshiyuku; Higuchi, Haruo; and Nikaido, Mitsuhiro, 4,853,567, Cl. 310-67.00R.
  - Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,855,057, Cl. 210-650.000.
  - Ohnishi, Michikazu; Ohgoshi, Hiroshi; and Takada, Satoshi, 4,863,590, Cl. 210-93.000.
  - Ono, Yutaka; Tsuchiya, Yayoi; Koizumi, Yutaka; Morimoto, Hitoshi; Banzai, Hideo; Muramatsu, Yasuhiko; Shindo, Syotoro; Kanehara, Toshihiro; Hatano, Norihiko; Ohta, Susumu; and Nikaido, Mitsuhiro, 4,843,292, Cl. 318-606.000.
  - Sakai, Yoshikatsu; Nakai, Yasuo; Miyabe, Asao; and Kawano, Takafumi, 4,881,160, Cl. 364-161.000.
  - Yamagishi, Hideaki; and Nomiyama, Mayumi, 4,841,272, Cl. 338-2.000.
- Yokogawa Electrofact B.V.: *See—*
  - Ravensbergen, Wouter D., 4,877,332, Cl. 374-153.000.
- Yokogawa, Fumihiko; Hirano, Hiroyuki; and Motoyama, Akira, to Pioneer Electronic Corporation. Servo circuit for generating a tracking error signal for optical disk player. 4,860,271, 8-22-89, Cl. 369-44.000.
- Yokogawa, Fumihiko, to Pioneer Electronic Corporation. AC amplifying RF signal processing circuit for optical disk player. 4,866,691, 9-12-89, Cl. 369-48.000.
- Yokogawa, Fumihiko; Hirano, Hiroyuki; and Kinpara, Keiji, to Pioneer Electronic Corporation. Clock generator circuit and a synchronizing signal detection method in a sampled format system and a phase comparator circuit suited for generation of the clock. 4,872,155, 10-3-89, Cl. 369-59.000.
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  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
- Yokogawa, Kazufumi; Yamauchi, Noriaki; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Fiber-reactive monoazo compound and aqueous compositions thereof imparting and color. 4,824,942, 4-25-89, Cl. 534-642.000.
- Yokogawa, Kazufumi; Harada, Naoki; and Omura, Takashi, to Sumitomo Chemical Company, Limited. Aryl monoazo pyridone yellow compound having two vinylsulfone type fiber reactive groups bonded to a triazine ring for dyeing cellulose or polyamide. 4,880,431, 11-14-89, Cl. 8-549.000.
- Yokogawa, Kazufumi: *See—*
  - Omura, Takashi; and Yokogawa, Kazufumi, 4,812,558, Cl. 534-618.000.
- Yokogawa Medical Systems, Limited: *See—*
  - Nagai, Hideo, 4,825,399, Cl. 364-726.000.
  - Nagai, Hideo, 4,841,553, Cl. 378-19.000.
  - Namikawa, Jiro, 4,852,132, Cl. 378-19.000.
  - Sano, Shinichi; Takeuchi, Yasuhito; Tamezumi, Yoshiro; Higashiizumi, Takao; and Kakizawa, Tsuyoshi, 4,803,486, Cl. 340-825.790.
  - Takeuchi, Yasuhito; Higashiizumi, Takao; Akasaka, Hideya; Jibiki, Takao; and Sano, Shinichi, 4,817,617, Cl. 128-660.050.
  - Takeuchi, Yasuhito, 4,881,212, Cl. 367-152.000.
- Yokogawa, Nobuhisa: *See—*
  - Konishi, Satoshi; Nagasaki, Takanori; Yokogawa, Nobuhisa; and Naruse, Yuji, 4,859,427, Cl. 422-159.000.
- Yokogawa, Toshiya; and Ogura, Mototsugu, to Matsushita Electric Industrial Co., Ltd. Semiconductor device. 4,866,489, 9-12-89, Cl. 357-17.000.
- Yokohama Aeroquip Corporation: *See—*
  - Suzuki, Hiroshi, 4,850,622, Cl. 285-286.000.
  - Tsuchihashi, Tsuneyuki; and Itoh, Nobuaki, 4,825,9[illegible], Cl. 137-625.430.
- Yokohama, Itaru; Chida, Kazunori; Noda, Juichi; Hanafusa, Hiroaki; Takeuchi, Yoshiaki; and Tateda, Mitsuhiro, to Nippon Telegraph and Telephone Corporation. Fiber coupler and method and apparatus for manufacturing the same. 4,869,570, 9-26-89, Cl. 350-96.150.
- Yokohama Rubber Co., Ltd., The: *See—*
  - Hanada, Ryoji; Morikawa, Tuneo; and Kabe, Kazuyuki, 4,872,497, Cl. 152-541.000.
  - Hattori, Yutaka, 4,875,070, Cl. 355-299.000.
  - Igarashi, Shigeru; and Ozawa, Osamu, 4,870,995, Cl. 138-126.000.
  - Kabe, Kazuyuki; Takahashi, Ken; Kida, Masashi; and Harada, Saichi, 4,800,941, Cl. 152-531.000.
  - Kabe, Kazuyuki; Suzuki, Tatsuo; and Takahashi, Ken, 4,881,587, Cl. 152-534.000.
  - Kaido, Hiroyuki; and Ishikawa, Yasuhiro, 4,824,897, Cl. 524-385.000.
  - Kano, Koichi; Kabasawa, Takayuki; Danjo, Masamichi; and Okada, Etuo, 4,810,098, Cl. 366-162.000.
  - Kawakami, Kinya; and Muraki, Takao, 4,822,844, Cl. 524-496.000.
  - Kitami, Tetsu; Igarashi, Shigeru; and Ono, Katuya, 4,802,938, Cl. 156-149.000.
  - Kitami, Tetsu; and Mito, Jun, 4,862,923, Cl. 138-125.000.
  - Kitami, Tetsu; and Mito, Jun, 4,880,036, Cl. 138-137.000.
  - Kitami, Tetsu; and Mito, Jun, 4,881,576, Cl. 138-125.000.
  - Kobayashi, Kenichi; and Mori, Shinichi, 4,848,431, Cl. 152-548.000.
  - Misawa, Makoto; Kawakami, Shinji; and Hanada, Ryoji, 4,819,704, Cl. 152-209.00R.
  - Mitsuhashi, Kenhachi; Ohashi, Yoshinobu; Nakayama, Shohei; and Yamada, Akira, 4,841,779, Cl. 73-826.000.
  - Mori, Shinichi, 4,884,607, Cl. 152-209.00R.
  - Morikawa, Tuneo; Kabe, Kazuyuki; and Tsukada, Shuichi, 4,856,573, Cl. 152-556.000.
  - Nagumo, Tadanobu; Takei, Sadakazu; and Tozawa, Yukio, 4,854,360, Cl. 152-529.000.
  - Ogawa, Hiroyasu; Kogo, Yasuo; Takahashi, Shuji; and Suzuki, Yasuo, 4,883,712, Cl. 428-367.000.
  - Ozawa, Osamu; and Kitami, Tetsu, 4,826,925, Cl. 525-331.800.
  - Saitoh, Tomoji, 4,851,469, Cl. 524-566.000.
  - Sakurai, Mitsuo, 4,824,900, Cl. 524-495.000.
  - Saneto, Kazuyoshi; and Hisamiti, Masaki, 4,865,102, Cl. 152-531.000.
  - Suzuki, Yoshihiko; Kida, Masashi; Ahagon, Asahiro; Saitoh, Yuichi; and Yamaguchi, Youichi, 4,826,911, Cl. 524-526.000.
  - Takahashi, Ken; and Kabe, Kazuyuki, 4,883,108, Cl. 152-531.000.
  - Watanabe, Hideo; and Ohashi, Yoshinobu, 4,812,489, Cl. 522-42.000.
- Yokohama, Seiichiro: *See—*
  - Imagawa, Osamu; Iwanishi, Masazumi; and Yokohama, Seiichiro, 4,866,006, Cl. 437-101.000.
- Yokohama, Shuichi: *See—*
  - Hayakawa, Isao; Atarashi, Shohgo; Yokohama, Shuichi; and Imamura, Masazumi, 4,871,852, Cl. 544-363.000.
- Yokoi, Gunpei, to Nintendo Co., Ltd. Photosensing video game control system. 4,815,733, 3-28-89, Cl. 273-1.00E.
- Yokoi, Gunpei, to Nintendo Co., Ltd. Rhythm recognizing apparatus and responsive toy. 4,889,027, 12-26-89, Cl. 84-635.000.
- Yokoi, Hiroshi; Ogawa, Yoshihiro; and Imai, Hideyuki, to Toyoda Gosei Co., Ltd. Vibration isolating mount. 4,806,437, 2-21-89, Cl. 428-623.000.
- Yokoi, Katsuyuki; Suga, Shigeru; and Fujioka, Toshio, to Yamaha Corporation. Plasma vapor deposition of an improved passivation film using electron cyclotron resonance. 4,866,003, 9-12-89, Cl. 437-040.000.
- Yokoi, Katsuyuki: *See—*
  - Iijima, Kenzaburou; Hayashi, Yoshinori; Nonaka, Terumoto; Yokoi, Katsuyuki; and Nishimura, Seiya, 4,806,860, Cl. 324-208.000.

- Yokoi, Kazuaki; Yamada, Toshihiro; and Kawamoto, Hiroyuki, to Hitachi, Ltd. Sodium-sulfur electric cell and process for manufacturing the same. 4,795,686, 1-3-89, Cl. 429-104.000.
- Yokoi, Kazuaki: *See—*
  - Natori, Tatsuo; Shimaguchi, Takashi; Yamada, Toshihiro; and Yokoi, Kazuaki, 4,808,360, Cl. 264-221.000.
  - Yamamoto, Akihiko; Kohno, Akiomi; Yamada, Toshihiri; Satou, Motohiro; Taguchi, Keiji; and Yokoi, Kazuaki, 4,854,495, Cl. 228-124.000.
- Yokoi, Kenya; Enomoto, Takamichi; Matsumoto, Fuyuhiko; Ohta, Wasaburo; Miyabori, Toru; Kanemoto, Akihiko; Iimura, Haruo; and Miyashita, Takaaki, to Ricoh Company, Ltd. Projection device for irradiating a light to a display device and optically magnifying and projecting a reflection light therefrom. 4,818,074, 4-4-89, Cl. 350-338.000.
- Yokoi, Koichi: *See—*
  - Nagaoka, Katsuhiko; Matsumoto, Masaru; Yokoi, Koichi; Oono, Junji; Kukita, Kenichi; and Nakashima, Toshiaki, 4,835,287, Cl. 548-453.000.
  - Nakamura, Susumu; and Yokoi, Koichi, 4,889,480, Cl. 425-577.000.
- Yokoi, Koji; Yoshiyagawa, Mitsugi; and Manabe, Seiichiro, to Nippon Sheet Glass Co., Ltd. Glass fibers having low dielectric constant. 4,824,806, 4-25-89, Cl. 501-35.000.
- Yokoi, Satoru; and Kai, Toru, to Tsubakimoto Chain Co. Frictionally driven roller type transfer apparatus. 4,838,171, 6-13-89, Cl. 104-166.000.
- Yokoi, Shinji: *See—*
  - Matsumoto, Keigo; Yokoi, Shinji; and Fujii, Katsutoshi, 4,845,097, Cl. 514-234.200.
- Yokoi, Syouichiro: *See—*
  - Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, 4,835,636, Cl. 360-96.500.
  - Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, 4,828,158, Cl. 226-182.000.
  - Yamaguchi, Katsumi; Yokoi, Syouichiro; Kanai, Takao; and Yoshikawa, Kikuo, 4,797,758, Cl. 360-85.000.
  - Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kinoshita, Shigeo; Kanai, Takao; and Yokoi, Syouichiro, 4,872,075, Cl. 360-85.000.
  - Yoshikawa, Kikuo; Kanai, Takao; Yamaguchi, Katsumi; and Yokoi, Syouichiro, 4,825,312, Cl. 360-96.500.
- Yokoi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Printer frame structure for simplifying record medium feeding attachment. 4,802,780, 2-7-89, Cl. 400-643.000.
- Yokoi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Combined printer and sheet feeding apparatus. 4,815,879, 3-28-89, Cl. 400-636.000.
- Yokoi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Combination of a printer and continuous feeder. 4,822,190, 4-18-89, Cl. 400-613.300.
- Yokoi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Guide block for a printer for guiding continuous paper. 4,822,191, 4-18-89, Cl. 400-616.100.
- Yokoi, Takeshi, to Brother Kogyo Kabushiki Kaisha. Pin tractor assembly. 4,828,157, 5-9-89, Cl. 226-74.000.
- Yokoi, Takeshi; and Morita, Toshiki, to Brother Kogyo Kabushiki Kaisha. Sheet feeding device with detachable holder means for thick cut sheets. 4,838,535, 6-13-89, Cl. 271-22.000.
- Yokoi, Takeshi; and Nakamura, Shigeo, to Brother Kogyo Kabushiki Kaisha. Printer having pivotable ribbon guide. 4,874,262, 10-17-89, Cl. 400-216.100.
- Yokoi, Takeshi: *See—*
  - Kanno, Masahide; Yabe, Hisao; Yoshinaga, Jun; Yokoi, Takeshi; and Oozeki, Kazuhiko, 4,869,256, Cl. 128-660.040.
  - Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi, Yoshinaga, Jun; and Ohzeki, Kazuhiko, 4,884,133, Cl. 358-98.000.
  - Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.
  - Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.
  - Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.
- Yokoi, Toshihiko: *See—*
  - Watabe, Kenzo; Yabuki, Mitsuo; Iwama, Kazuyuki; and Yokoi, Toshihiko, 4,825,158, Cl. 324-237.000.
- Yokoi, Tsutomu; Tani, Hiroji; Kasanami, Tohru; Fukui, Norio; and Yamamoto, Keizou, to Murata Manufacturing Co.,Ltd. Method of manufacturing circuit component such as stator for variable resistor. 4,839,960, 6-20-89, Cl. 29-620.000.
- Yokoi, Tsutomu: *See—*
  - Honma, Kanehito; Yokoi, Tsutomu; and Tani, Hiroji, 4,877,554, Cl. 252-511.000.
  - Tani, Hiroji; Kasanami, Tohru; and Yokoi, Tsutomu, 4,877,565, Cl. 264-105.000.
- Yokoi, Yoshihiko; Kawai, Kazuo; Onda, Youkichi; and Mochizuki, Masaki, to Nissan Motor Co., Ltd. Assembly method for component parts and system. 4,843,708, 7-4-89, Cl. 29-407.000.
- Yokoi, Yuji: *See—*
  - Unno, Mahito; and Yokoi, Yuji, 4,814,681, Cl. 318-569.000.
- Yokokawa, Kazunori, to Nissan Motor Co., Ltd. Ash tray apparatus with cigarette lighter for automotive vehicle. 4,830,026, 5-16-89, Cl. 131-231.000.
- Yokokawa, Kiyoshi; and Koya, Kazuo, to Shin-Etsu Chemical Co., Ltd. Base material of optical fibers and a method for the preparation thereof. 4,874,416, 10-17-89, Cl. 65-3.120.
- Yokokawa, Masaaki: *See—*
  - Nagaura, Toru; Yokokawa, Masaaki; and Hashimoto, Toshio, 4,828,834, Cl. 429-194.000.
- Yokokawa, Toshiyuki, to Omori Machinery Co., Ltd. Loaf slicing machine. 4,805,503, 2-21-89, Cl. 83-355.000.
- Yokokura, Takashi; Gemma, Takashi; and Satoh, Takuji, to Tokyo Kogaku Kikai Kabushiki Kaisha. Holographic interferometer. 4,812,042, 3-14-89, Cl. 356-348.000.
- Yokokura, Takashi; Gemma Takashi; and Takuji, Satoh, to Tokyo Kogaku Kikai Kabushiki Kaisha. Method of and apparatus for analyzing interference fringes. 4,848,907, 7-18-89, Cl. 356-347.000.
- Yokokura, Takashi: *See—*
  - Sekine, Akihiko; Wada, Shinji; Yokokura, Takashi; Nunokawa, Kazuo; and Hideshima, Masayuki, 4,854,6[illegible], Cl. 351-221.000.
- Yokomatsu, Takao, Yamamoto, Hironori; and S[illegible]i, Mitsuaki, to Canon Kabushiki Kaisha. Fine circuit pattern drawing apparatus and method. 4,810,889, 3-7-89, Cl. 250-492.200.
- Yokomi, Michiro: *See—*
  - Takeda, Renzo; Kato, Kanji; Ohnishi, Tadahiro; Uchikawa, Sadao; Maruyama, Hiromi; Aoyama, Motoo; Umegaki, Kikuo, Bessho, Yasunori; Fuse, Motomasa, and Yokomi, Michiro, 4,851,181, Cl. 376-267.000.
- Yokomizo, Hiromichi: *See—*
  - Tominaga, Fukutoshi; Iwanaga, Mitsuo; and Yokomizo, Hiromichi, 4,862,059, Cl. 323-307.000.
- Yokomizo, Shojiro: *See—*
  - Hirata, Hisao; Yokomizo, Shojiro; Mitsuhori, Hirokazu; and Murano, Tadao, 4,821,865, Cl. 198-368.000.
- Yokomizo, Yoshikazu: *See—*
  - Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.
- Yokomori, Iwao: *See—*
  - Kato, Yukihiro; Okada, Hiroshi; Watanabe, Yoshifumi; Ina, Osamu; Ito, Osamu; and Yokomori, Iwao, 4,843,454, Cl. 357-79.000.
- Yokomori, Kiyoshi, to Ricoh Co., Ltd. A semiconductor laser device. 4,807,238, 2-21-89, Cl. 372-32.000.
- Yokomori, Kiyoshi; and Isobe, Tami, to Ricoh Company, Ltd. Covered optical waveguide having an inlet opening. 4,877,301, 10-31-89, Cl. 350-96.190.
- Yokomori, Sadakazu: *See—*
  - Nakatsuka, Shin-ichi; Hayashi, Masatoshi; Yokomori, Sadakazu; Nakashima, Yoshimoto; Hatayama, Katsuo; and Araki, Hiroaki, 4,883,876, Cl. 546-51.000.
- Yokomori, Yorozu: *See—*
  - Murayama, Toshikazu; Hayakawa, Satoru; Takesue, Shuji; and Yokomori, Yorozu, 4,851,027, Cl. 71-64.070.
- Yokomoto, Masaharu: *See—*
  - Hatono, Shunsou; Yazaki, Akira; Yokomoto, Masaharu; and Hirao, Yuzo, 4,810,422, Cl. 260-397.100.
- Yokono, Haruki: *See—*
  - Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.
- Yokono, Hitoshi: *See—*
  - Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,804,559, Cl. 427-96.000.
  - Ushio, Jiro; Miyazawa, Osamu; Yokono, Hitoshi; and Tomizawa, Akira, 4,880,464, Cl. 106-1.050.
- Yokonuma, Norikazu: *See—*
  - Ishizuki, Kenji; Hagiuda, Nobuyoshi; Yokonuma, Norikazu; and Hamanishi, Yoshinari, 4,804,991, Cl. 354-403.000.
- Yokoo, Chihiro: *See—*
  - Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; and Sota, Kaoru, 4,812,562, Cl. 540-227.000.
  - Watanabe, Yoshiaki; Yokoo, Chihiro; Goi, Masami; Onodera, Akira; Murata, Mitsuo; Fukushima, Hiroshi; Taguchi, Minoru; and Sota, Kaoru, 4,841,044, Cl. 540-227.000.
- Yokoo, Hidejiro; Maruyama, Toshishiro; Toshima, Yasuhide; and Kobori, Yasuo, to Rhone-Poulenc Agrochimie. Oxadiazolone derivative, production process thereof, and herbicide containing same. 4,842,640, 6-27-89, Cl. 71-92.000.
- Yokoo, Hiroshi: *See—*
  - Inoue, Senya; Ono, Akira; Kobayashi, Mikio; and Yokoo, Hiroshi, 4,871,693, Cl. 501-9.000.
- Yokoo, Kazuhiro: *See—*
  - Imai, Shozaburo; Isobe, Michihisa; Yokoo, Kazuhiro; and Matsuura, Hideaki, 4,812,345, Cl. 428-65.000.
- Yokoo, Kyoichi; and Nanbu, Takehiko, to Kabushiki Kaisha Toshiba; and Toshiba Computer, Engineering Corporation. Impact printer capable of being equipped with an auto sheet feeder. 4,818,128, 4-4-89, Cl. 400-166.000.
- Yokoo, Toshiaki: *See—*
  - Shibata, Kenichi; Yokoo, Toshiaki; Takeuchi, Kousuke; Tanaka, Toshiharu; and Kamino, Maruo, 4,868,444, Cl. 310-313.00A.
- Yokoo, Toshio: *See—*
  - Yamagishi, Jun; Nishikawa, Hiromitsu; and Yokoo, Toshio, 4,848,031, Cl. 49-280.000.
- Yokosawa, Koichi; Yamamoto, Etsuji; Nakane, Hideaki; Yabusaki, Masao; and Ogura, Yukiko, to Hitachi, Ltd. Circuit for detecting AC

magnetic field due to magnetic resonance with a variable resistance for noise suppression. 4,875,010, 10-17-89, Cl. 324-248.000.
Yokosawa, Seiichi, to Pioneer Electronic Corporation. Digital signal reproducing apparatus. 4,841,390, 6-20-89, Cl. 360-77.140.
Yokosawa, Seiichi; and Kawasaki, Ken-ichiro, to Pioneer Electronic Corporation. Rotary head type digital audio signal reproducing apparatus. 4,860,130, 8-22-89, Cl. 360-77.020.
Yokosawa, Seiichi, to Pioneer Electronic Corporation. Digital signal tape recording/reproducing apparatus with improved servo control. 4,875,115, 10-17-89, Cl. 360-77.150.
Yokosawa, Seiichi: *See—*
  Masumoto, Yutaka; Yamada, Tomoyasu; and Yokosawa, Seiichi, 4,864,436, Cl. 360-66.000.
Yokose, Kazuteru; Shimma, Nobuo; Kamata, Miyako; Aoki, Masahiro; and Ohtsuka, Tatsuo, to Hoffmann-La Roche Inc. Pyrido(3,2,1-IJ)-1,3,4 benzoxadiazine derivatives. 4,801,584, 1-31-89, Cl. 514-183.000.
Yokose, Kazuteru; Shimma, Nobuo; Kamata, Mikayo; Aoki, Masahiro; and Ohtsuka, Tatsuo, to Hoffmann-La Roche Inc. Pyrido(3,2,1-IJ)-1,3,4-benzoxadiazine derivatives. 4,864,023, 9-5-89, Cl. 544-66.000.
Yokoshima, Ichiro: *See—*
  Inoue, Takemi; and Yokoshima, Ichiro, 4,865,446, Cl. 356-216.000.
Yokoshima, Minoru; Ohkubo, Tetsuo; Hattori, Hideaki; and Kiyomoto, Masayuki, to Nippon Kayaku Kabushiki Kaisha. Diesters of (meth)acrylic acid and resin compositions comprising the same. 4,843,111, 6-27-89, Cl. 522-42.000.
Yokoshima, Minoru; and Ohkubo, Tetsuo, to Nippon Kayaku Kabushiki Kaisha. Novel silicon-urethane (meth) acrylate, and resin composition and coating material comprising same. 4,889,768, 12-26-89, Cl. 428-429.000.
Yokosuka, Hiroshi: *See—*
  Katayose, Hiroichi; Yokosuka, Hiroshi; and Seto, Katsuyuki, 4,804,245, Cl. 350-96.230.
Yokosuka, Michio: *See—*
  Suzuki, Akira; Ito, Susumu; Okamoto, Kikuhiko; Hoshino, Eiichi; Yokosuka, Michio; and Murata, Moriyasu, 4,822,516, Cl. 252-174.120.
Yokota, Akihiro: *See—*
  Iwamoto, Hiroshi: Tamura, Yutaka; Mizuno, Yuji; and Yokota, Akihiro, 4,812,916, Cl. 358-289.000
Yokota, Akira: *See—*
  Kato, Masashi; and Yokota, Akira, 4,832,883, Cl. 264-40.100.
  Kobayashi, Masakazu; Asaumi, Shingo; Yokota, Akira; and Nakane, Hisashi, 4,844,832, Cl. 252-143.000.
  Nakamura, Yoichi; Yamamoto, Shirushi; Komine, Takashi; Yokota, Akira; and Nakane, Hisashi, 4,797,348, Cl. 430-326.000.
  Nishioka, Kimihiko; Tojo, Kikumi; and Yokota, Akira, 4,867,546, Cl. 350-432.000.
  Okabe, Minoru; Yokota, Akira; and Nishioka, Kimihiko, 4,806,001, Cl. 350-432.000.
  Suzuki, Akira; Takahashi, Susumu; Nakamura, Takeaki; Yamaguchi, Tatsuya; Tsukaya, Takashi; Yamamoto, Tsutomu; Murata, Masanao; Kobayashi, Kazunari; Tojo, Yoshikazu; Kikuchi, Kenichi; Kanbara, Koji; Shimizu, Yoshihito; Hasegawa, Akira; Hattori, Shinichiro; Kanamori, Iwao; Yokota, Akira; Nishioka, Kimihiko; Okabe, Minoru; Kanehira, Katsuyuki; Yamashita, Nobuo; Naito, Masayoshi; Sato, Tomoaki; Matsui, Koichi; Hirooka, Kenji; and Hibino, Hiroki, 4,867,136, Cl. 128-4.000.
  Tanaka, Hatsuyuki; Kohara, Hidekatsu; Sato, Yoshiyuki; Asaumi, Shingo; Nakayama, Toshimasa; Yokota, Akira; and Nakane, Hisashi, 4,833,067, Cl. 430-331.000.
Yokota, Eiji: *See—*
  Kagami, Isao; Hasegawa, Makoto; Yokota, Eiji; Takahashi, Kiyoshi; and Funahashi, Hiroyuki, 4,844,638, Cl. 400-636.000.
Yokota, Fumiki: *See—*
  Tamura, Kinichi; Kawada, Susumu; Sekine, Yoshitada; Abe, Kazuyoshi; Ishikawa, Ryosuke; and Yokota, Fumiki, 4,811,935, Cl. 269-34.000.
Yokota, Hajime: *See—*
  Nakaya, Rintaro; Okamura, Noboru; Kawashima, Takuji; Saito, Minoru; Yanai, Nabuya; Toida, Tomohiro; and Yokota, Hajime, 4,797,389, Cl. 514-54.000.
  Shibata, Yoshihiro; Katohno, Noboru; and Yokota, Hajime, 4,809,115, Cl. 360-137.000.
  Terayama, Takao; and Yokota, Hajime, 4,866,549, Cl. 360-85.000.
Yokota, Hiroshi; Kanamori, Hiroo; Ishiguro, Yoichi; Mizutani, Futoshi; and Tanaka, Gotaro, to Sumitomo Electric Industries, Ltd. Method for producing glass preform for optical fiber. 4,846,867, 7-11-89, Cl. 65-3.120.
Yokota, Hiroshi: *See—*
  Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.
  Kanamori, Hiroo; Yokota, Hiroshi; Tanaka, Gotaro; Ishiguro, Yoichi; Takagi, Masahiro; Suganuma, Hiroshi; and Shigematsu, Masayuki, 4,822,399, Cl. 65-3.120.
  Koashi, Katsue; and Yokota, Hiroshi, 4,883,953, Cl. 250-226.000.
  Seki, Koji; Morishita, Hiroshi; Ohno, Kiyoshi; and Yokota, Hiroshi, 4,871,695. Cl. 501-54.000.
  Tsukamoto, Katsuya; Fujii, Yasuhiro; Ogawa, Yasumasa; Kondo, Sadaki; Masamoto, Kyoji; Niwa, Masakatsu; Matsuo, Masayuki; Kitsuda, Yoshihiro; Takeda, Hajime; Miyanari, Shoji; Yokota, Hiroshi; and Taniguchi, Shuji, 4,829,309, Cl. 343-700.0MS.
  Watanabe, Minoru; Yokota, Hiroshi; Suzuki, Shuzo; and Suganuma, Hiroshi, 4,832,720, Cl. 65-3.110.
  Yabu, Yasuo; Akiyama, Kazuhisa; Abiko, Toshio; Kanda, Minoru; Komatsu, Mikio; Ishizaki, Hirohumi; Nunoya, Hidetsugu; Ogawa, Yasumasa; and Yokota, Hiroshi, 4,801,943, Cl. 343-700.0MS.
Yokota, Kazunori: *See—*
  Yamada, Tetsusyo; Hayakawa, Nobuhiro; and Yokota, Kazunori, 4,836,906, Cl. 204-410.000.
Yokota, Kazuo: *See—*
  Noda, Yasushi; Ashida, Takashi; Inoue, Kazuhiko; and Yokota, Kazuo, 4,833,553, Cl. 360-99.060.
Yokota, Kazuto; and Saito, Akihisa, to Kabushiki Kaisha Toshiba. X-ray intensifying screen. 4,857,741, 8-15-89, Cl. 250-486.100.
Yokota, Kazuto: *See—*
  Matsuda, Naotoshi; Tamatani, Masaaki; and Yokota, Kazuto, 4,863,882, Cl. 501-94.000.
Yokota, Kenichi: *See—*
  Maeda, Satoshi; Yoneda, Ryu; Yokota, Kenichi; and Miyake, Hideo, 4,888,208, Cl. 427-96.000.
Yokota, Kinya; and Ichihara, Akinobu, to Dai-Ichi Kogyo Seiyaku Co., Ltd. Surface active compounds having a polymerizable moiety. 4,814,514, 3-21-89, Cl. 568-608.000.
Yokota, Kiyoshi: *See—*
  Hosoda, Kenichiro; Kawaguchi, Shinji; Shinbo, Atsushi; and Yokota, Kiyoshi, 4,860,315, Cl. 375-30.000.
Yokota, Masahiro: *See—*
  Hirai, Kenji; Futikami, Takamasa; Murata, Atsuko; Hirose, Hiroaki; Yokota, Masahiro; and Nagato, Shoin, 4,818,272, Cl. 71-88.000.
Yokota, Masahisa; Shimizu, Atsushi; Komiya, Kyosuke; Yamataka, Kazunori; and Nonura, Tadanori, to Asahi Kasei Kogyo Kabushiki Kaisha. Novel copolycarbonate. 4,855,377, 8-8-89, Cl. 528-25.000.
Yokota, Masaki: *See—*
  Tanaka, Akihiro; Fujikura, Takashi: Tsuzuki, Ryuji; Yokota, Masaki; and Yatsu, Takeyuki, 4,876,261, Cl. 514-307.000.
Yokota, Masanori: *See—*
  Horiguchi, Masashi; Yakubo, Minoru; Yokota, Masanori; and Oshima, Hideharu, 4,843,435, Cl. 355-100.000.
Yokota, Minoru; and Kawasaki, Hiroshi, to Fuji Photo Film Co., Ltd. Process for rendering porous membrane hydrophilic. 4,851,121, 7-25-89, Cl. 210-500.360.
Yokota, Minoru; Nagata, Masayuki; Saito, Shigeo; and Yamada, Yuichi, to Sumitomo Electric Industries, Ltd. Composite superconductor and method of the production thereof. 4,883,922, 11-28-89, Cl. 174-125.100.
Yokota, Mitsuo; and Komatsuzaki, Hiroshi, to Fuji Photo Film Co., Ltd. Camera with changeable focal length. 4,868,590, 9-19-89, Cl. 354-195.100.
Yokota, Mitsuo: *See—*
  Kanai, Masaharu; Yamazaki, Yasuo; Kameyama, Nobuyuki; Ide, Yoshihiro; Sato, Muneyoshi; and Yokota, Mitsuo, 4,825,233, Cl. 354-106.000.
Yokota, Motoyuki; Tanabe, Mamoru; and Fujiki, Tatsuo, to Marugo Rubber Industries, Ltd. Fluid damped elastomeric bushing. 4,861,004, 8-29-89, Cl. 267-140.100.
Yokota, Satoshi; Sugiyama, Masami; Kawagoe, Nobukazu; and Miyaura, Tomoko, to Minolta Camera Kabushiki Kaisha. Spectral sensor with interference filter. 4,822,998, 4-18-89, Cl. 250-226.000.
Yokota, Seiji: *See—*
  Koizumi, Tadashi; Yokota, Seiji; Matsumura, Shigeo; and Inoue, Yoshiaki, 4,881,722, Cl. 266-176.000.
Yokota, Shigeki: *See—*
  Ashida, Yasuhiro; and Yokota, Shigeki, 4,862,241, Cl. 357-45.000.
Yokota, Shinichi: *See—*
  Igi, Keishiro; Okamura, Takayuki; Taniguchi, Shunro; Ishii, Masao; Murata, Yoshifumi; Yokota, Shinichi; Matsumoto, Takeshi; Endo, Hideki; and Hashimoto, Kazuto, 4,833,217, Cl. 525-439.000.
Yokota, Shinji: *See—*
  Mikami, Tomoki; Tokunaga, Yukio; Natsugari, Mitsuharu; Omatoi, Susumi; and Yokota, Shinji, 4,795,589, Cl. 252-301.60F.
  Morito, Yasukazu; Uehara, Yasuhiko; Matsukiya, Hidetsugu; Yamamoto, Hajime; Inaho, Shuji; Hase, Takashi; and Yokota, Shinji, 4,845,403, Cl. 313-468.000.
Yokota, Shinjiro: *See—*
  Maeda, Sadahiko; Yokota, Shinjiro; and Idei, Yasumasa, 4,863,486, Cl. 44-589.000.
  Winkler, Robert; Sala, Siro; Kobayashi, Yakayuki; and Yokota, Shinjiro, 4,830,707, Cl. 159-47.100.
Yokota, Shoji: *See—*
  Ogawa, Katayasu; Ohtani, Go; Yokota, Shoji; and Aruga, Masuyoshi, 4,880,823, Cl. 514-356.000.
Yokota, Sueo, to Mitsubishi Plastics Industries Limited; and Haneda Humepipe Co., Ltd. Method of producing lined Hume pipe. 4,864,711, 9-12-89, Cl. 29-458.000.
Yokota, Tadahiko: *See—*
  Higuchi, Ryoichi; Sakurai, Takao; Yokota, Tadahiko; Mikami, Naoko; Yamamoto, Eri; and Takeuchi, Koji, 4,874,542, Cl. 252-299.610.
Yokota, Takashi: *See—*
  Chikano, Hisao; and Yokota, Takashi, 4,801,981, Cl. 355-3.0SH.
  Ikeda, Kunihiko; Suzuki, Shigeru; Yokota, Takashi; Shimizu, Akira; Kodama, Yutaka; Yamazaki, Shigeru; Niro, Masaichi; and Tomita, Satoru, 4,887,133, Cl. 355-321.000.
  Isono, Hideki; Asanuma, Kazushi; Yokota, Takashi; and Terui, Kiyoshi, 4,824,200, Cl. 350-96.160.
  Lee, Frank D.; Yokota, Takashi; and Arai, Ken-ichi, 4,798,789, Cl. 435-68.000.

Yokota, Takayoshi; Horiya, Shigekazu; and Kita, Kenji, to Kabushiki Kaisha Kumagaigumi. Grout material and grouting method using same. 4,848,973, 7-18-89, Cl. 405-263.000.
Yokota, Takayoshi; Horiya, Shigekazu; Uno, Sadao; Katayama, Kozo; and Tanabe, Daijiro, to Kabushiki Kaisha Kumagaigumi. Concrete form shuttering having double woven fabric covering. 4,856,754, 8-15-89, Cl. 249-113.000.
Yokota, Teruo; Nishiyama, Yoshihiro; and Takasaki, Tadao, to Nihon Biso Kabushiki Kaisha. Horizontally moving automatic outer surface cleaning. 4,809,384, 3-7-89, Cl. 15-103.000.
Yokota, Tetsuya; Sakamoto, Hideki; and Takahashi, Naoto, to Kagome Kabushiki Kaisha. Beverages by lactic acid fermentation and methods of producing same. 4,855,147, 8-8-89, Cl. 426-43.000.
Yokota, Tohru: *See—*
  Watanabe, Junich; and Yokota, Tohru, 4,816,539, Cl. 526-320.000.
Yokota, Yasunori, to Nippon Thompson Co., Ltd. Method of manufacturing holding device of roller bearing for rectilinear motion. 4,799,302, 1-24-89, Cl. 29-148.40C.
Yokota, Yoshikazu; and Takeda, Hiroshi, to Hitachi, Ltd. Controller integrated circuit. 4,845,657, 7-4-89, Cl. 364-900.000.
Yokota, Yuji, to Kabushiki Kaisha Sato. Thermal printer temperature regulation system. 4,819,011, 4-4-89, Cl. 346-76.0PH.
Yokota, Yuji: *See—*
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,806,308, Cl. 420-530.000.
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,818,487, Cl. 420-530.000.
  Kamiya, Soji; Yokota, Yuji; Fukuoka, Tatsuhiko; and Kumada, Yoshio, 4,822,561, Cl. 420-530.000.
Yokota, Yukinaga: *See—*
  Niki, Masao; Yasuda, Shinichiro; Yokota, Yukinaga; and Okabe, Kazuhiko, 4,845,002, Cl. 430-109.000.
Yokota, Yukio; Iwase, Isao; and Uematsu, Satoshi, to Kabushiki Kaisha Toshiba. Information recording and reproducing apparatus. 4,796,124, 1-3-89, Cl. 360-76.000.
Yokotani, Yoichiro; Kagata, Hiroshi; Niwa, Hiroshi; Kato, Junichi; and Mihara, Toshihiro, to Matsushita Electric Industrial Co., Ltd. Multilayer ceramic capacitor. 4,885,661, 12-5-89, Cl. 361-321.000.
Yokote, Masatsugu: *See—*
  Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawagoe, Kenji, 4,828,065, Cl. 180-142.000.
  Kawagoe, Kenji; Ishihara, Satoru; Ito, Hideo; Yokote, Masatsugu; and Kawabata, Kazunobu, 4,827,416, Cl. 364-424.050.
Yokote, Sachio: *See—*
  Kawai, Yoichi; Udagawa, Takatoshi; Imakita, Takeshi; and Yokote, Sachio, 4,885,162, Cl. 424-83.000.
Yokote, Takasuke; and Kamimura, Nobuo, to Shoyo Sangyo Co., Ltd.; and Seiko Instruments Inc. Band for watch. 4,823,562, 4-25-89, Cl. 63-5.100.
Yokotsuka, Koki; Kushida, Tadae; Kanai, Yumiko; Aihara, Toshihide; Yajima, Mizuo; and Nakajima, Tomoyoshi, to Asama Chemical Co., Ltd. Antiseptic agent for food and drink and method of antiseptic treatment thereof. 4,820,520, 4-11-89, Cl. 424-439.000.
Yokouchi, Atsushi: *See—*
  Meguro, Kenjiro; and Yokouchi, Atsushi, 4,867,910, Cl. 252-519.000.
Yokouchi, Hideya: *See—*
  Maekawa, Nobuyoshi; Yokouchi, Hideya; Aruga, Tomoe; and Sugiyama, Tadashi, 4,825,314, Cl. 360-99.080.
Yokouchi, Hiroshi; and Mogi, Makoto, to Oki Electric Industry Co., Ltd. Watchdog timer having a reset detection circuit. 4,796,211, 1-3-89, Cl. 364-569.000.
Yokouchi, Hisatake; Maruyama, Masanori; Takahashi, Fumitaka; and Tsuneoka, Masayuki, to Hitachi, Ltd.; and Hitachi Medical Corp. Television camera device and x-ray television apparatus using the same. 4,809,071, 2-28-89, Cl. 358-111.000.
Yokouchi, Hisatake; Takahashi, Fumitaka; and Tsuneoka, Masayuki, to Hitachi, Ltd.; and Hitachi Medical Corporation. X-ray television apparatus. 4,881,124, 11-14-89, Cl. 358-111.000.
Yokouchi, Hisatake: *See—*
  Kano, Tsuyoshi; Takahashi, Tetsuhiko; Okajima, Kenichi; Umetani, Kenji; Ataka, Saburo; Yokouchi, Hisatake; and Suzuki, Ryuichi, 4,806,757, Cl. 250-327.200.
  Umetani, Keiji; Ueda, Ken; Suzuki, Ryuichi; and Yokouchi, Hisatake, 4,890,310, Cl. 378-82.000.
Yokoya, Hiroaki; Sano, Kenji; Tachikawa, Hiromichi; and Sato, Hideo, to Fuji Photo Film Co., Ltd. Transparent electrophotographic photoreceptor comprising specific hydrazone and benzidine compounds as photoconductors. 4,800,146, 1-24-89, Cl. 430-73.000.
Yokoya, Yuji, to Toyota Jidosha Kabushiki Kaisha. Shock absorber. 4,821,852, 4-18-89, Cl. 188-322.150.
Yokoyama, Akira: *See—*
  Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,807,853, Cl. 266-81.000.
  Murakami, Koji; Shima, Tsunao; Shimosato, Yoshikazu; and Yokoyama, Akira, 4,836,864, Cl. 148-16.500.
  Takiyama, Eiichiro; Yokoyama, Akira; and Ogura, Ryushi, 4,814,365, Cl. 523-514.000.
Yokoyama, Bungo, to Westinghouse Electric Corp. Nuclear fuel rod support grid with attachable spring and dimple support spacers. 4,885,127. 12-5-89, Cl. 376-462.000.
Yokoyama, Chujiro; Fukui, Kazuyuki; and Iwatsuki, Haruki, to Minolta Camera Kabushiki Kaisha. Paper feed apparatus capable of feeding of common use papers and specifically processed papers. 4,801,134, 1-31-89, Cl. 271-122.000.
Yokoyama, Chujiro: *See—*
  Fukui, Kazuyuki; and Yokoyama, Chujiro, 4,852,868, Cl. 271-122.000.
Yokoyama, Eiji: *See—*
  Amano, Yoshiaki; Yokoyama, Eiji; and Ohyauchi, Hideo, 4,838,897, Cl. 48-196.00A.
Yokoyama, Fumitomo: *See—*
  Kuwayama, Yoshinari; Yokoyama, Fumitomo; Kuramochi, Koujiro; and Kyushima, Tatsuo, 4,839,041, Cl. 210-168.000.
  Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,850,251, Cl. 74-866.000.
  Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,875,392, Cl. 74-867.000.
  Kuwayama, Yoshinari; Yokoyama, Fumitomo; and Miura, Masakatsu, 4,889,016, Cl. 74-868.000.
Yokoyama, Goudai: *See—*
  Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama, Goudai, 4,806,724, Cl. 219-121.680.
Yokoyama, Hachiro: *See—*
  Shinkai, Kunio; Tanaka, Yutaka; and Yokoyama, Hachiro, 4,821,504, Cl. 57-276.000.
Yokoyama, Hajime, to Toko, Inc. Electronic tuning circuit for AM receiver. 4,847,572, 7-11-89, Cl. 331-177.00V.
Yokoyama, Hajime: *See—*
  Takada, Noboru; and Yokoyama, Hajime, 4,837,852, Cl. 455-197.000.
Yokoyama, Henry; Hsu, Wan-Jean; Poling, Stephen M.; and Hayman, Ernest P., to United States of America, Agriculture. Method of increasing biomass in plants. 4,797,153, 1-10-89, Cl. 71-121.000.
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  Kawai, Yoshito; Kishida, Akira; Yokoama, Shiroh; Yokoyama, Ichiku; and Yokoyama. Goudai, 4,806,724, Cl. 219-121.680.
Yokoyama, Ichiro: *See—*
  Tanka. Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.
  Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamegi, Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda, Shigeru, 4,833,597, Cl. 364-200.000.
Yokoyama, Isao: *See—*
  Sakayori, Akihiro; Kuwabara, Takao; Brando, Akira; Oono, Yasuteru; Hayashi, Shigeaki; Yokoyama, Isao; and Ogiwara, Kenzyu, 4,816,696, Cl. 290-52.000.
  Watabe, Seiji; Yokoyama, Isao; Maeda, Tsutomu; Shibuya, Koichi; and Takahashi, Sumio, 4,841,267, Cl. 335-210.000.
Yokoyama, Junichi: *See—*
  Muranaka, Shigeo; Ohkawa, Kouzaburou; Yokoyama, Junichi; Matayoshi, Yutaka; and Kamegaya, Shigeru, 4,873,953, Cl. 123-308.000.
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  Kitamoto, Tatsuji, Yokoyama, Katsuya; and Sekiguchi, Takuji, 4,875,610, Cl. 226-10.000.
  Nakagawa, Shozo; Yokoyama, Katsuya; and Katayama, Hironobu, 4,809,118, Cl. 360-33.100.
  Sasaki, Seishi; Awamoto, Shigeru; Bannai, Tatsushi; Yokoyama, Katsuya; and Shibaya, Hiromichi, 4,839,744, Cl. 358-320.000.
Yokoyama, Kayoko: *See—*
  Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Umeda, Minoru; and Yokoyama, Kayoko, 4,822,705, Cl. 430-60.000.
  Fukagai, Toshio; Taniguchi, Kiyoshi; Ohta, Katsuichi; Yokoyama, Kayoko; and Umeda, Minoru, 4,863,822, Cl. 430-58.000.
Yokoyama, Kazuaki: *See—*
  Kaneko, Tomiatsu; Yokoyama, Kazuaki; and Tsuruoka, Hisashi, 4,798,733, Cl. 426-549.000.
Yokoyama, Kazuhumi: *See—*
  Fukuda, Hiroya; Yaguchi, Hitoshi; Yokoyama, Kazuhumi; Tabata, Keiichiro; and Ohashi, Takashi, 4,830,916, Cl. 428-138.000.
Yokoyama, Kazumasa: *See—*
  Ashimori, Atsuyuki; Ono, Taizo; Inoue, Yoshihisa; Fukaya, Chikara; and Yokoyama, Kazumasa, 4,886,819, Cl. 514-356.000.
  Fukaya, Chikara; Ashimori, Atsuyuki; Ono, Taizo; and Yokoyama, Kazumasa, 4,849,429, Cl. 514-307.000.
  Fukaya, Chikara; Naito, Youichiro; Hanada, Shuichi; Watanabe, Masahiro; and Yokoyama, Kazumasa, 4,868,201, Cl. 514-420.000.
  Iwai, Masakazu; Yokoyama, Kazumasa; and Fukushima, Tsunekazu, 4,849,404, Cl. 514-2.000.
  Kondo, Nobuo; Nakajima, Tsunetaka; Watanabe, Masahiro; Yokoyama, Kazumasa; Suyama, Tadakazu; Haga, Takahiro; Yamada, Nobutoshi; Sugi, Hideo; and Koyanagi, Toru, 4,849,425, Cl. 514-274.000.
  Mizushima, Yutaka; Aihara, Hironaka; Otomo, Susumu; Yokoyama, Kazumasa; Okamoto, Hiroyuki; and Suyama, Tadakazu, 4,849,451, Cl. 514-530.000.
  Scherer, Kirby V., Jr.; Ono, Taizo; Yamanouchi, Kouichi; and Yokoyama, Kazumasa, 4,868,318, Cl. 549-362.000.
  Shiraga, Yusei; Fukaya, Chikara; Akira, Toshiaki; Iwai, Masakazu; Yokoyama, Kazumasa; Tabata, Mamoru; Fukui, Hiroshi; Ta-

naka, Shigeo; Iga, Yoshiro; Suyama, Tadakazu; and Okano, Kanemichi, 4,888,417, Cl. 536-4.100.
Yokoyama, Kazuo: *See—*
Kurokawa, Hideo; Mitani, Tsutomu; Yokoyama, Kazuo; and Yonezawa, Taketoshi, 4,835,070, Cl. 428-64.000.
Takaya, Yoshikazu; and Yokoyama, Kazuo, 4,879,193, Cl. 430-14.000.
Yokoyama, Keiichi: *See—*
Tan, Hiroaki; Yokoyama, Keiichi; and Kihara, Noriaki, 4,886,912, Cl. 564-240.000.
Yokoyama, Kenichi: *See—*
Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.
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Kawashima, Yoshio; Ogata, Shunji; Yokoyama, Masaaki; Tomiku, Masato; Yamada, Tsuneo; Kuno, Tsutomu; Murakami, Hisao; Morimoto, Hiroyuki; Myojo, Toyoshige; Watanabe, Kozo; and Tanaka, Toshihiro, 4,823,577, Cl. 72-24.000.
Zama, Yoshiyuki; Ishiyama, Nobuo; Saita, Tsuneo; Naito, Takanobu; Hirose, Masao; Yokoyama, Masaaki; Asano, Taiji; Senda, Hisato; Sekine, Keiji; and Sanai, Shigeru, 4,822,786, Cl. 514-202.000.
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Yokoyama, Masao: *See—*
Tsukuda, Ichizo; Atsumi, Takashi; and Yokoyama, Masao, 4,866,479, Cl. 355-211.000.
Yokoyama, Masaru: *See—*
Ikuta, Shiro; Suyama, Eizo; Yokoyama, Masaru; and Yoshimura, Takeshi, 4,796,694, Cl. 165-152.000.
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Yokoyama, Naoki: *See—*
Ishii, Kazuaki; Futatsugi, Toshiro; Oshima, Toshio; Fujii, Toshio; Yokoyama, Naoki; and Shibatomi, Akihiro, 4,889,831, Cl. 437-184.000.
Ohshima, Toshio; and Yokoyama, Naoki, 4,837,178, Cl. 437-33.000.
Yokoyama, Naomi: *See—*
Yamaguchi, Hiroyuki; and Yokoyama, Naomi. 4,802,240, Cl. 455-343.000.
Yokoyama, Nobuaki: *See—*
Imazeki, Kazuyoshi; and Yokoyama, Nobuaki, 4,797,636, Cl. 331-48.000.
Yokoyama, Nobuo, to Nippon Oil Co., Ltd. Halogenated naphthalene derivatives. 4,803,013, 2-7-89, Cl. 252-580.000.
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Yokoyama, Noriyasu: *See—*
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Yokoyama, Ryoji: *See—*
Tonoki, Kenji; Tsunoda, Kazuyoshi; Yokono, Haruki; Kono, Hisao; Yokoyama, Ryoji; and Nakamura, Fumiaki, 4,824,509, Cl. 156-285.000.
Yokoyama, Sakae, to Stanley Electric Co., Ltd. Headlamp for vehicle. 4,800,468, 1-24-89, Cl. 362-61.000.
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Imagawa, Osamu; Iwanishi, Masazumi; and Yokoyama, Seiichiro, 4,839,701, Cl. 357-2.000.
Yokoyama, Shigeki; Kamiya, Takeshi; Niikawa, Takeo; Nagase, Masakatsu; and Kuroishi, Tetujiro, to Nippon Petrochemicals Co., Ltd.; and Chukoh Chemical Industries, Ltd. Finish laminates for high frequency circuits. 4,812,355, 3-14-89, Cl. 428-215.000.
Yokoyama, Shigeki: *See—*
Miyasaka, Nobuaki; Yokoyama, Shigeki; Suga, Shuzo; Naoi, Takashi; and Satake, Masaki, 4,859,576, Cl. 430-523.000.
Sano, Akira; Kobayashi, Seizo; Matsuura, Kazuo; Yokoyama, Shigeki; and Kamiya, Takeshi, 4 879,076, Cl. 264-28.000.
Yokoyama, Shigeyuki: *See—*
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Yokoyama, Shinichi: *See—*
Tanaka, Yoshihiro; Uno, Tetsuya; Tsuji, Sadafusa; Ootsuka, Hiroshi; Yokoyama, Shinichi; Hashimoto, Takeshi; and Iwata, Michihiro, 4,851,870, Cl. 354-234.100.
Yokoyama, Sho, to Tachi-S Co., Ltd. Automotive seat. 4,875,734, 10-24-89, Cl. 297-284.000.
Yokoyama, Shoji: *See—*
Ito, Wataru; Kubota, Tomoki; Sumiya, Koji; and Yokoyama, Shoji, 4,839,579, Cl. 324-63.000.
Nimura, Mitsuhiro; and Yokoyama, Shoji, 4,882,696, Cl. 364-449.000.
Yokoyama, Shotaro; and Nishinbe, Takashi, to Fuji Electric Company Ltd. Method and system for detecting whether an optical system is in focus using an improved interpolation technique. 4,883,951, 11-28-89, Cl. 250-201.000.
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Nishibe, Takashi; and Yokoyama, Shotaro, 4,847,483, Cl. 250-214.0AL.
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Yamamoto, Masanari; Ito, Yasunobu; and Yokoyama, Shouji, 4,841,445, Cl. 364-424.100.
Yokoyama, Syoji: *See—*
Nakamura, Kenji; Hironaka, Kenichi; Tottori, Nobuyuki; Matsumoto, Junichi; Imaizumi, Katsumi; Yokoyama, Syoji; Nakata, Yukio; Nakajima, Akira; Aoyagi, Yuuji; Yanagita, Tomohiko; Sato, Tomio; Takegoshi, Tetsuji; and Honma, Takeo, 4,809,018, Cl. 346-76.0PH.
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Yokoyama, Takashi; Hide, Ichiro; Sawaya, Keiji; and Matsuyama, Takeshi, to Hoxan Corporation. Polycrystalline silicon wafer tray 4,820,145, 4-11-89, Cl. 425-425.000.
Yokoyama, Takashi, to Citizen Watch Co., Ltd. System for storing starting addresses of a buffer RAM and different fonts of a character ROM upon energization of the printer. 4,866,671, 9-12-89, Cl. 364-900.000.
Yokoyama, Takayuki: *See—*
Ando, Fumio; Ichinokawa, Kazuo; and Yokoyama, Takayuki, 4,888,795, Cl. 379-53.000.
Yokoyama, Takeo; and Yamazoe, Hidetoshi, to Showa Electric Wire & Cable Co., Ltd. Electric signal transfer element. 4,819,215, 4-4-89, Cl. 367-135.000.
Yokoyama, Takeshi, to TLV Co., Ltd. Condensate separating and discharging device with a specially dimensioned trap section 4,867,767, 9-19-89, Cl. 55-219.000.
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Oike, Tadashi; and Yokoyama, Takeshi, 4,809,736, Cl. 137-409.500.
Yokoyama, Tatsuro; Mori, Haruki; Arita, Masanobu; and Kojima, Atsushi, to Mitsui Toatsu Chemicals, Incorporated. Preparation of monosialoganglioside. 4,868,292, 9-19-89, Cl. 536-18.500.
Yokoyama, Tetsuho: *See—*
Okada, Tsugihiro; Ohtsu, Eiichi; and Yokoyama, Tetsuho, 4,865,119, Cl. 165-16.000.
Yokoyama, Tetsuo: *See—*
Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,835,385, Cl. 250-310.000.
Maeda, Akira; Sano, Koichi; Yokoyama, Tetsuo; Koizumi, Hideaki; and Mizuno, Hirotaka, 4,875,012, Cl. 324-309.000.
Momose, Kaoru; Kato, Makoto; Yokoyama, Tetsuo; and Furuya, Toshihiro, 4,817,178, Cl. 382-46.000.
Sano, Koichi; Sato, Shinichi; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,803,431, Cl. 324-306.000.
Sano, Koichi; Yokoyama, Tetsuo; Takeda, Ryuzaburo; Ozawa, Yasuhiko; Sato, Shinichi; and Koizumi, Hideaki, 4,844,077, Cl. 128-653.000.
Sano, Koichi; Yamagata, Shimbu; Yokoyama, Tetsuo; and Koizumi, Hideaki, 4,870,362, Cl. 324-312.000.
Yokoyama, Tomoaki: *See—*
Oka, Tateki; Toyoshi, Naoki; Myochin, Hisashi; and Yokoyama, Tomoaki, 4,821,071, Cl. 355-14.0CH.
Oka, Tateki; Toyoshi, Naoki; and Yokoyama, Tomoaki, 4,828,953, Cl. 430-100.000.
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Yokoyama, Toyohiko: *See—*
Azukizawa, Teruo; Morishita, Mimpei; Yokoyama, Toyohiko; Takaki, Shigeo; Yuyama, Yoshio; and Noda, Akitaka, 4,882,999, Cl. 104-281.000.
Yokoyama, Wallace H.; Fraser, Mark S.; and Khatri, Lakho L., to Winters Canning Co. Reduced calorie peanut butter product. 4,814,195, 3-21-89, Cl. 426-633.000.
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Koyama, Kazuya; and Yokoyama, Yoshimasa, 4,882,176, Cl. 426-5.000.
Yokoyama, Yoshimitsu, to Milliken Research Corporation. Method of forming a parallelepiped container made of machine-glazed paper to be filled with liquid. 4,870,804, 10-3-89, Cl. 53-450.000.
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Naitoh, Kazumi; Arakawa, Yoshiaki; Ikezaki, Takashi; Yabe, Shoji; Yokoyama, Yutaka; Hamaguchi, Yuichi; Roppongi, Yasunobu; and Hamaguchi, Yuichi, 4,889,536, Cl. 29-570.100.
Shinozaki, Fumihiko; and Yokoyama, Yutaka, 4,810,400, Cl. 252-62.200.
Shinozaki, Fumihiko; Tsuji, Tatsunori; and Yokoyama, Yutaka, 4,830,785, Cl. 252-62.200.
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Yokozeki, Kenzo; Shirae, Hideyuki; Shiragami, Hiroshi; Irie, Yasuo; Yasuda, Naohiko; Otani, Masaru; and Tanabe, Toshiya, to Ajinomoto Co., Inc., Patent & Licensing Department. Process for producing and purifying 2',3'-dideoxynucleosides, and process for producing 2',3'-dideoxy-2',3'-didehydronucleosides. 4,835,104, 5-30-89, Cl. 435-87.000.
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Andersson, Clarence A.; Partlow, Deborah P.; and Yoldas, Bulent E., 4,828,774, Cl. 264-60.000.
Yolles, Seymour: *See—*
Roat, Rosette M.; and Yolles, Seymour, 4,855,498, Cl. 564-215.000.
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Eylon, Daniel; Froes, Francis H.; and Yolton, Charles F., 4,820,360, Cl. 148-133.000.
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Yomoto, Masahiko: *See—*
Uehara, Makoto; Ichikawa, Hajime; Yomoto, Masahiko; and Kato Shigeru, 4,859,832, Cl. 219-411.000.
Yon, Janet L., to Shumsky Enterprises, Inc. Protective pad for post-operative recovery. 4,829,613, 5-16-89, Cl. 5-431.000.
Yon, Ronald R.; and Munroe, Donald H., to Ford Motor Company. Closure for seat back cover. 4,813,740, 3-21-89, Cl. 297-219.000.
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Fukawa, Isaburo; and Yoneda, Haruyuki, 4,804,735, Cl. 528-125.000.
Yoneda, Hitoshi; and Kamiyama, Tadanobu, to Kabushiki Kaisha Toshiba. Method of and apparatus for changing the pixel density of a binary image using average values calculated from sets of reference pixels selected from the binary image. 4,827,352, 5-2-89, Cl. 358-287.000.
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Hamada, Takuji; Takahashi, Masahiro; Yoneda, Katsuhiko; Onuki, Ken; and Uchiyama, Toshihiko, 4,855,993, Cl. 370-16.000.
Yoneda, Kazuhiko: *See—*
Kitano, Seiichi; Fukatani, Yasunobu; Asada, Masaaki; and Yoneda, Kazuhiko, 4,848,550, Cl. 192-99.00A.
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Hino, Masao; Yoneda, Kenichi; Miyake, Masato; Otani, Hidehiko; Shingu, Noriya; Isahaya, Tsukasa; Hamada, Shigeshi; and Arahori, Tsuyoshi, 4,853,194, Cl. 423-239.000.
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Yoneda, Kenji: *See—*
Arabori, Noboru; Takahashi, Hideaki; Sakai, Yoshio; and Yoneda, Kenji, 4,852,694, Cl. 187-115.000.
Fukuda, Toshio; Yoneda, Kenji; Ueshima, Takaaki; and Sasaki, Osamu, 4,852,696, Cl. 187-139.000.
Tobita, Toshimitsu; Inaba, Hiromi; Yamazaki, Masachika; Suzuki, Masato; Morita, Yuzo; Kajiyama, Toshiki; Nakamura, Kiyoshi; and Yoneda, Kenji, 4,872,532, Cl. 187-121.000.
Yoneda, Kiwamu: *See—*
Miyagawa, Yuichi; Yoneda, Kiwamu; Kuwa, Kazuhiro; and Kogo, Katsuyuki, 4,854,153, Cl. 73-1.00G.
Yoneda, Kiyoshi: *See—*
Hanafusa, Hiroshi; Yoneda, Kiyoshi; and Ogata, Hidenori, 4,833,100, Cl. 437-85.000.
Itoh, Sigeki; and Yoneda, Kiyoshi, 4,831,948, Cl. 112-80.430.
Yoneda, Kou; Miyakawa, Hideaki; and Hara, Shinichi, to Canon Kabushiki Kaisha. Rotary head device. 4,839,762, 6-13-89, Cl. 360-107.000.
Yoneda, Masahiro; Hatanaka, Masahiro; Kohno, Yoshio; Satoh, Shinichi; Oda, Hidekazu; and Morizumi, Koichi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device. 4,887,137, 12-12-89, Cl. 357-23.600.
Yoneda, Nobuhiko: *See—*
Obata, Kenji; Yoneda, Nobuhiko; Kataita, Masabumi; I, Yoshihiro; and Yamashita, Hironori, 4,812,203, Cl. 159-6.200.
Yoneda, Robert: *See—*
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,829,569, Cl. 380-10.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,866,770, Cl. 380-20.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,890,319, Cl. 380-5.000.
Seth-Smith, Nigel; Bates, Cameron; Lim, Samson; van Rassel, William; Yoneda, Robert; and Lucas, Keith, 4,890,321, Cl. 380-20.000.
Yoneda, Ryu: *See—*
Maeda, Satoshi; Yoneda, Ryu; Yokota, Kenichi; and Miyake, Hideo, 4,888,208, Cl. 427-96.000.
Yoneda, Shigeo, to Sharp Kabushiki Kaisha. Rotary encoder. 4,833,316, 5-23-89, Cl. 250-231.0SE.
Yoneda, Shigeo: *See—*
Tsujioka, Hiroshi; Yoneda, Shigeo; and Yatsuzuka, Yasuhumi, 4,887,227, Cl. 364-519.000.
Uemura, Susumu; Yatsuzuka, Yasuhumi; Tsujioka, Hiroshi; Shindoh, Shigeru; Tomino, Tadashi; and Yoneda, Shigeo, 4,835,609, Cl. 358-142.000.
Yoneda, Shigeru: *See—*
Tanka, Kazuaki; Yokoyama, Ichiro; Yoneda, Shigeru; Wakayama, Satoshi; Urakawa, Makoto; and Iihama, Takashi, 4,819,160, Cl. 364-300.000.
Wakayama, Satoshi; Yokoyama, Ichiro; Tanaka, Kazuaki; Kamegi, Yoshito; Tokunaga, Mikihiko; Kamoshida, Takeshi; and Yoneda, Shigeru, 4,833,597, Cl. 364-200.000.
Yoneda, Takao; and Ohmura, Haruo, to Toyoda Koki Kabushiki Kaisha. Numerical control feed device for machine tool. 4,810,945, 3-7-89, Cl. 318-571.000.
Yoneda, Takao; Yamauchi, Tadashi; and Sakakibara, Yasuji, to Toyoda Koki Kabushiki Kaisha. Numerical controller with operation halting function for data revision. 4,815,000, 3-21-89, Cl. 364-474.340.
Yoneda, Takao: *See—*
Asano, Hiroaki; Tsujiuchi, Toshio; Yoneda, Takao; Ishihara, Nobuhiro; Maruyama, Toshio; and Ohta, Norio, 4,873,793, Cl. 51-165.710.
Suzuki, Ikuo; Yoneda, Takao; Hotta, Takayuki; and Yonezu, Toshihiro, 4,884,373, Cl. 51-165.710.
Yoneda, Takashi, to Kyokuto Kaihatsu Kogyo Co., Ltd. Cargo vehicle. 4,850,787, 7-25-89, Cl. 414-499.000.
Yoneda, Toshihiko: *See—*
Ohmi, Masatoshi; Uchiyama, Kazuo; and Yoneda, Toshihiko, 4,827,879, Cl. 123-52.0MV.
Yoneda, Yasuhiro: *See—*
Fukuyama, Shun-ichi; Yoneda, Yasuhiro; Miyagawa, Masashi; and Nishii, Kota, 4,863,833, Cl. 430-286.000.
Yoneda, Yasuji: *See—*
Nishimoto, Yoshiro; Yoneda, Yasuji; Imaoka, Shinichi; Nakai, Yasuhide; Nakaue, Akimitsu; Onishi, Yoshihiko; Tachibana, Hiroyuki; Inoue, Takayoshi; Kusaka, Takuya, Takamatsu, Hiroyuki; Tojyo, Shigeki; Kajikawa, Hiroshi; and Nishimura, Kozo, 4,874,939, Cl. 250-211.00J.
Yoneda, Yasunobu: *See—*
Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,668, Cl. 501-134.000.

- Kato, Yoshiharu; Okabe, Shinsei; Kojima, Shozo; and Yoneda, Yasunobu, 4,820,669, Cl. 501-134.000.

Yoneda, Yoshihide: *See—*
- Koshinaka, Osamu; Suzuki, Yoshikazu; and Yoneda, Yoshihide, 4,799,440, Cl. 112-162.000.

Yoneda, Yoshitaka: *See—*
- Asahara, Yoshiyuki; Omi, Shigeaki; Sakai, Hiroyuki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,805,997, Cl. 350-413.000.
- Sakai, Hiroyuki; Asahara, Yoshiyuki; Omi, Shigeaki; Nakayama, Shin; and Yoneda, Yoshitaka, 4,844,724, Cl. 65-3.110.
- Sakai, Hiroyuki; Ohmi, Shigeaki; Yoneda, Yoshitaka; and Asahara, Yoshiyuki, 4,851,024, Cl. 65-3.140.

Yoneda, Yuko; and Young, Frank E., to University of Rochester, The. Method of increasing the yield of a product by altering a microorganism. 4,801,541, 1-31-89, Cl. 435-172.300.

Yoneda, Yuko: *See—*
- Graham, Richard S.; Yoneda, Yuko; and Young, Frank E., 4,886,754, Cl. 435-172.300.

Yoneda, Yutaka: *See—*
- Sakamoto, Koya; Yoneda, Yutaka; Fujiwara, Naoki; and Takamoto, Shigehito, 4,828,486, Cl. 431-170.000.

Yonehara, Akifumi, to NEC Corporation. Remote test circuit for channel terminal. 4,823,344, 4-18-89, Cl. 371-22.000.

Yonehara, Shigeki: *See—*
- Nakajima, Masao; Kobayashi, Takeo; and Yonehara, Shigeki, 4,830,908, Cl. 428-246.000.

Yonehara, Takao, to Canon Kabushiki Kaisha. Semiconductor device and method of manufacturing the same. 4,868,140, 9-19-89, Cl. 437-109.000.

Yonehara, Takao: *See—*
- Ozaki, Masaharu; and Yonehara, Takao, 4,800,527, Cl. 365-182.000.

Yonekawa, Masao; and Takao, Mitsunori, to Nippondenso Co., Ltd. System for suppressing discharge of evaporated fuel gas for internal combustion engine. 4,867,126, 9-19-89, Cl. 123-520.000.

Yoneki, Tadayuki: *See—*
- Kawana, Fujio; Kurokawa, Tsukasa; and Yoneki, Tadayuki, 4,813,922, Cl. 493-415.000.

Yonekubo, Masatoshi: *See—*
- Miura, Teiji; Okamura, Toshihide; Abe, Nobumasa; Yonekubo, Masatoshi; Yoshitaki, Hidetoshi; and Yamazaki, Hideo, 4,866,593, Cl. 346-107.00R.

Yonekura, Atushi; and Soejima, Katsutoshi, to NEC Corporation. Reflection-type photosensor. 4,833,318, 5-23-89, Cl. 250-239.000.

Yonekura, Katsumi: *See—*
- Kouda, Masatoshi; Takeshita, Hiroshi; Yonekura, Katsumi; Tohge, Noboru; Hashimoto, Hiroyuki; Fukushima, Shoji; Asanabe, Sadao; Saki, Kunio; Matsumoto, Susumu; and Sasajima, Takao, 4,828,518, Cl. 440-50.000.

Yonekura, Katsuyoshi; Uchiyama, Akira; and Matsuda, Akira, to Mitsui Petrochemical Industries, Ltd. Laminate excellent in surface gloss and surface hardness, and preparation process and use thereof. 4,800,130, 1-24-89, Cl. 428-517.000.

Yonekura, Kazuo: *See—*
- Matsumoto, Hiroyo; Kakimoto, Akira; Nakayasu, Iwao; and Yonekura, Kazuo, 4,863,637, Cl. 252-628.000.

Yonekura, Norihisa; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, to Kumai Chemical Industry Co., Ltd.; and Ihara Chemical Industry Co., Ltd. 1,2,6-Triphenyl-4(1H)-pyridinone derivatives, and their use as fungicides. 4,871,751, 10-3-89, Cl. 514-345.000.

Yonekura, Takanori; and Wakasugi, Tomio, to Hewlett-Packard Company. Polarity compensated apparatus for measuring the impedance of a polar device. 4,820,969, 4-11-89, Cl. 324-57.00R.

Yonemochi, Kenzo: *See—*
- Takada, Tetsuo; Kita, Mikio; and Yonemochi, Kenzo, 4,795,294, Cl. 411-457.000.

Yonemori, Takaji: *See—*
- Miyake, Hiroyuki; Sagara, Seiji; Yonemori, Takaji; Watanabe, Tsuyoshi; Takahashi, Masayoshi; Suzuki, Koji; Komiya, Yutaka; Tomosada, Masahiro; Adachi, Hideki; Hirose, Masayuki; and Miyata, Masanori, 4,872,035, Cl. 355-208.000.
- Sagara, Seiji; Maruyama, Hiroyoshi; Miyake, Hiroyuki; Kasama, Nobuhiro; Tanada, Shinichi; Kagiura, Kazuo; Yonemori, Takaji; and Hasegawa, Yuji, 4,799,662, Cl. 271-114.000.

Yonemoto, Kazuya; Kagawa, Yoshiaki; Ishikawa, Kikue; Suzuki, Tomoyuki; and Hamasaki, Masaharu, to Sony Corporation. Electronic shutter for a CCD image sensor. 4,875,100, 10-17-89, Cl. 358-213.190.

Yonemura, Masaaki: *See—*
- Kusuda, Takao; Yonemura, Masaaki; Shimoda, Hisanori; Takigawa, Masuo; and Mihara, Toshihiro, 4,840,028, Cl. 60-303.000.

Yonemura, Masao: *See—*
- Yumoto, Hideaki; Yonemura, Masao; and Yamada, Yoshito, 4,888,978, Cl. 73-40.000.

Yonenaga, Hitoshi: *See—*
- Fukushima, Masahito; Matsuda, Eiji; Matsuoka, Shigeru; and Yonenaga, Hitoshi, 4,825,308, Cl. 360-46.000.
- Sasaki, Hideki; Matsuoka, Shigeru; Matsuda, Eiji; Yonenaga, Hitoshi; and Fukushima, Masahito, 4,890,256, Cl. 364-900.000.
- Sato, Tomio; Matsuoka, Shigeru; Matsuda, Eiji; and Yonenaga, Hitoshi, 4,887,165, Cl. 358-474.000.

Yonese, Naoki; Okamoto, Tosaku; and Kondo, Mitsuru, to Kanzaki Paper Manufacturing Company, Ltd. Two-color heat-sensitive recording material with 2-hydroxy-3-naphthoanilide as both coupler and color developing agent. 4,828,957, 5-9-89, Cl. 430-138.000.

Yoneshige, Kazuhiro: *See—*
- Sonoda, Hidefumi; Mori, Eiji; Kawase, Mitsuo; Yoneshige, Kazuhiro; Takahashi, Akira; Komiya, Hirokazu, and Tanaka, Akira, 4,872,439, Cl. 123-518.000.

Yonetani, Hideaki: *See—*
- Nishida, Fumihiko; Taniuchi, Osami; Yonetani, Hideaki; Kawada, Toru; and Yazaki, Tatsuo, 4,821,078, Cl. 355-75.000.

Yoneyama, Hirokazu: *See—*
- Yamagishi, Hirofumi; Segoshi, Tooru; Shigemura, Kouji; Nakata, Yutaka; Yoneyama, Hirokazu; and Yamashita, Mototsugu, deceased, 4,879,636, Cl. 362-61.000.

Yoneyama Kogyo Kabushiki Kaisha: *See—*
- Nakai, Shigeo; and Honda, Junkou, 4,848,516, Cl. 182-36.000.

Yoneyama, Kouichi: *See—*
- Sakata, Hirotsugu; Murasaki, Hiroaki; Hayano, Makoto; Hattori, Hitoshi; Morozumi, Naoya; Yoneyama, Kouichi; Suzuki, Isao; Sone, Junji; and Nagatomo, Shigemi, 4,875,839, Cl. 418-55.000.

Yoneyama, Masakazu: *See—*
- Aotsuka, Yasuo; Kato, Masatoshi; and Yoneyama, Masakazu, 4,868,097, Cl. 430-351.000.
- Nishikawa, Yasuo; and Yoneyama, Masakazu, 4,830,906, Cl. 428-335.000.

Yoneyama, Masatoshi: *See—*
- Hosomizu, Hiroshi; Ichikawa, Tsutomu; Kamiya, Makoto; Yoneyama, Masatoshi; and Tuzi, Kenzi, 4,839,686, Cl. 354-416.000.

Yoneyama, Mitsuho: *See—*
- Matsushita, Osami; Takagi, Michiyuki; Yoneyama, Mitsuho; Sugaya, Toyomi; and Saito, Ikuhiro, 4,841,212, Cl. 318-607.000.

Yoneyama, Norihiro, to Yazaki Corporation. Flat wire harness attaching unit. 4,811,922, 3-14-89, Cl. 248-73.000.

Yoneyama, Osamu: *See—*
- Sone, Haruo; Umezawa, Isao; and Yoneyama, Osamu, 4,847,846, Cl. 372-50.000.

Yoneyama, Shuuichi, to Nissan Motor Company, Limited. Ignition timing control apparatus. 4,838,228, 6-13-89, Cl. 123-425.000.

Yoneyama, Takashi: *See—*
- Nagano, Suketoshi; Ichikawa, Munehiro; and Yoneyama, Takashi, 4,825,181, Cl. 335-205.000.
- Ryoke, Katsumi; Takahashi, Masatoshi; Hashimoto, Akihiro; Okita, Tsutomu; and Yoneyama, Takashi, 4,880,693, Cl. 428-323.000.

Yoneyama, Tetsuhito: *See—*
- Yajima, Kohichi; Kohmoto, Osamu; and Yoneyama, Tetsuhito, 4,836,868, Cl. 148-302.000.

Yoneyama, Tomio: *See—*
- Ohta, Tokuya; Kobayashi, Masatsune; Suga, Yuko; Miura, Konoe; Takimoto, Hiroshi; and Yoneyama, Tomio, 4,841,037, Cl. 534-815.000.

Yoneyama, Toshio: *See—*
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,801,445, Cl. 424-69.000.
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,818,614, Cl. 428-403.000.
- Fukui, Hiroshi; Namba, Ryujiro; Saito, Tsutomu; Ohtsu, Yutaka; Kimura, Asa; Nakano, Motokiyo; Nakata, Okitsugu; Tomita, Kenichi; Tokubo, Kazuo; Ohno, Kazuhisa; Yoneyama, Toshio; Ogawa, Takashi; Morohoshi, Hideo; Koyama, Junichi; Kanda, Taketoshi; Kawaguchi, Kunihiro; and Shimizu, Yuzo, 4,882,225, Cl. 428-405.000.

Yonezaki, Takahiro: *See—*
- Mashimo, Satoshi; Nagayasu, Susumu; Yamaguchi, Yoshio; Noguchi, Toru; Takada, Toshimichi; Kakiuchi, Hajime; and Yonezaki, Takahiro, 4,833,305, Cl. 219-549.000.

Yonezawa, Akihiro: *See—*
- Ike, Yujiro; Yonezawa, Akihiro; Ooshima, Shinichi; Kamiya, Akihiro; and Hirose, Yoshio, 4,800,321, Cl. 313-639.000.
- Sugimoto, Takahiro; Sasaki, Hiroki; Yonezawa, Akihiro; and Mitsuyuki, Youichiro, 4,835,442, Cl. 313-565.000.

Yonezawa, Eiichi: *See—*
- Ohsawa, Masahiro; and Yonezawa, Eiichi, 4,874,976, Cl. 310-268.000.

Yonezawa, Kazuya: *See—*
- Deguchi, Yoshikuni; Iwakiri, Hiroshi; Iwamoto, Kazunari; and Yonezawa, Kazuya, 4,847,395, Cl. 549-552.000.
- Tomita, Haruo; and Yonezawa, Kazuya, 4,810,808, Cl. 549-515.000.

Yonezawa, Keitaro, to Kabushiki Kaisha Kosmek. Apparatus for driving piston by fluid pressure. 4,812,109, 3-14-89, Cl. 417-401.000.

Yonezawa, Keitaro; and Tsutsui, Yoshimitsu, to Kabushiki Kaisha Kosmek; and Amada Company, Limited. Die-height adjusting device of mechanical press. 4,823,687, 4-25-89, Cl. 100-53.000.

Yonezawa, Keitaro; and Miyajima, Masatake, to Kabushiki Kaisha Kosmek. Hydraulic overload protector for mechanical press. 4,827,839, 5-9-89, Cl. 100-53.000.

Yonezawa, Keitaro, to Kabushiki Kaisha Kosmek. Plunger pump of quick pressure-rise type. 4,850,828, 7-25-89, Cl. 417-252.000.

Yonezawa, Seiji: *See—*
- Kataoka, Keiji; Kurosaki, Toshiei; Yonezawa, Seiji; and Kasagi, Soichi, 4,857,744, Cl. 250-548.000.
- Ohtake, Masatoshi; Yonezawa, Seiji; Tsuyoshi, Toshiaki; Ichino, Kazuo; Fukui, Yukio; Takeuchi, Takashi; Maeda, Takeshi; and Kaku, Toshimitsu, 4,866,688, Cl. 369-44.000.
- Takasugi, Wasao; Yonezawa, Seiji; Tsuyoshi, Toshiaki; and Ohtake, Masatoshi, 4,847,822, Cl. 369-44.000.
- Tsuyoshi, Toshiaki; Ohtake, Masatoshi; Takasugi, Wasao; and Yonezawa, Seiji, 4,872,152, Cl. 369-44.000.

Yonezawa, Takashi: *See—*
- Hosomi, Mamoru; and Yonezawa, Takashi, 4,851,622, Cl. 200-148.00A.

Yonezawa, Taketoshi: *See—*
- Kurokawa, Hideo; Mitani, Tsutomu; Odagiri, Masaru; and Yonezawa, Taketoshi, 4,833,031, Cl. 428-336.000.
- Kurokawa, Hideo; Mitani, Tsutomu; Yokoyama, Kazuo; and Yonezawa, Taketoshi, 4,835,070, Cl. 428-64.000.

Yonezawa, Takeyuki: *See—*
- Goto, Yasuhiro; Yonezawa, Takeyuki; and Ohnuma, Yoshiyuki, 4,886,767, Cl. 501-97.000.
- Mizutani, Toshiaki; Yonezawa, Takeyuki; Inoue, Hiroshi; Tsuge, Akihiko, and Ohnuma, Yoshiyuki, 4,853,299, Cl. 428-698.000.

Yonezawa, Toshio; Yamaguchi, Noritake; and Okada, Yasutaka, to Mitsubishi Jukogyo Kabushiki Kaisha. Ni-based alloy and method for preparing same. 4,798,632, 1-17-89, Cl. 148-12.70N.

Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, to Nishiyodo Air Conditioner Co., Ltd. Adsorption refrigeration system. 4,881,376, 11-21-89, Cl. 62-106.000.

Yonezu, Kazuya; and Matsumoto, Keiji, to NEC Corporation. Control processor for controlling a peripheral unit. 4,841,440, 6-20-89, Cl. 364-200.000.

Yonezu, Kiyoshi: *See—*
- Aoyama, Akimasa; Moritani, Takeshi; Yonezu, Kiyoshi; and Okaya, Takuji, 4,824,904, Cl. 525-60.000.

Yonezu, Ryou, to Mitsubishi Denki Kabushiki Kaisha. Master slice integrated circuit having a memory region. 4,849,932, 7-18-89, Cl. 365-63.000.

Yonezu, Toshihiro: *See—*
- Suzuki, Ikuo; Yoneda, Takao; Hotta, Takayuki; and Yonezu, Toshihiro, 4,884,373, Cl. 51-165.710.

Yong, Bak G.; Petra, Barth; Dietrich, Demus; Detlev, Joachimi; Kampa, Barbara; Kohler, Saskia; Mohr, Kristine; Paschke, Reinhard; Pelzl, Gerhard; Rosenfeld, Ulrich; Schafer, Wolfgang; Scherf, Klaus-Dieter; Tschirske, Carsten; Weissflog, Wolfgang; and Zaschke, Horst, to VEB Werk fuer Fernsehelektronik im VEB Kombinat Mikroelektronik. Ferroelectric liquid crystals. 4,874,544, 10-17-89, Cl. 252-299.610.

Yong, Chin S., to Chung Yang Company, Ltd. Portable mutifunctional device for motor vehicles. 4,833,746, 5-30-89, Cl. 7-100.000.

Yong, Raymond N.; and Sethi, Amar J., to Suncor, Inc. Methylated starch compositions and their use as flocculating agents for mineral wastes, such as bauxite residues. 4,839,060, 6-13-89, Cl. 210-731.000.

Yongqiang, Cui: *See—*
- Diankui, Liu; Benyuan, He; and Yongqiang, Cui, 4,865,519, Cl. 415-210.100.

Yonker, John F.: *See—*
- Wendler, Paul O.; and Yonker, John F., 4,828,068, Cl. 180-148.000.

Yonkers, Paul: *See—*
- Tognoni, Keith I.; Fitzgerald, John; Welch, Glenn; and Yonkers, Paul, 4,873,578, Cl. 358-254.000.

Yonkers, Robert A.; and Rosendall, Henry J., to Amway Corporation. Vacuum cleaner with brush lift-off. 4,823,430, 4-25-89, Cl. 15-361.000.

Yonkman, Robert K.; and Szakacs, William G. Paint roller wiper with paintbrush holder. 4,865,282, 9-12-89, Cl. 248-111.000.

Yonts, James T. Spring-loaded tiedown apparatus for boats, campers and other cargo. 4,842,236, 6-27-89, Cl. 248-499.000.

Yoo, Hideo: *See—*
- Bisaiji, Takashi; Sawayama, Noboru; and Yoo, Hideo, 4,875,079, Cl. 355-246.000.

Yoo, Hoe G. Folding ladder. 4,815,564, 3-28-89, Cl. 182-160.000.

Yoo, Jae Y.: *See—*
- Nam, Sun O.; Lee, Wan S.; and Yoo, Jae Y., 4,847,946, Cl. 16-53.000.

Yoo, Jhin P. Glove assembly for use at low temperature. 4,825,039, 4-25-89, Cl. 219-212.000.

Yoo, Jin S.: *See—*
- Burk, Emmett H., Jr.; Yoo, Jin S.; and Radkowski, Cecelia A., 4,883,783, Cl. 502-304.000.
- Elvin, Frank J.; Otterstedt, Jan-Erik; and Yoo, Jin S., 4,800,185, Cl. 502-26.000.
- Elvin, Frank J.; and Yoo, Jin S., 4,824,814, Cl. 502-22.000.

Yoo, Seog C.: *See—*
- Park, Ho J.; Rhim, Moo S.; Kim, Hak M.; Kim, Du H.; Yoo, Seog C.; Kim, Sang H.; Park, Sa Ng B.; Han, Ink S.; Park, Jong T.; and Kim, Si M., 4,876,040, Cl. 264-14.000.

Yoo, Sung-Eun: *See—*
- Carini, David J.; Duncia, John J. V.; and Yoo, Sung-Eun, 4,880,804, Cl. 514-234.500.

Yook, Keun J., to Goldstar Co., Ltd. Circuit for generating a constant high voltage for CRT deflection in response to multi-frequency horizontal sync input signal. 4,829,414, 5-9-89, Cl. 363-20.000.

Yoon, Cheol-min: *See—*
- Taylor, Edward C.; and Yoon, Cheol-min, 4,883,799, Cl. 514-258.000.

Yoon, Chu H., to Goldstar Co., Ltd. Microwave oven door latch assembly. 4,825,027, 4-25-89, Cl. 219-10.55C.

Yoon, Hee K.: *See—*
- Buese, George J.; and Yoon, Hee K., 4,800,872, Cl. 128-90.000.

Yoon, Hyun N.: *See—*
- De Martino, Ronald N.; and Yoon, Hyun N., 4,822,865, Cl. 526-292.200.
- Leslie, Thomas M.; Yoon, Hyun N.; DeMartino, Ronald N.; and Stamatoff, James B., 4,882,402, Cl. 526-243.000.

Yoon, Hyun-Nam; Leslie, Thomas M.; and DeMartino, Ronald N., to Hoechst Celanese Corp. Organic nonlinear optical media. 4,867,538, 9-19-89, Cl. 350-350.00R.

Yoon, Hyun-Nam: *See—*
- DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,801,670, Cl. 526-263.000.
- DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,808,332, Cl. 526-312.000.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,810,338, Cl. 204-157.880.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,835,235, Cl. 526-311.000.
- De Martino, Ronald N.; Yoon, Hyun-Nam; and Stamatoff, James B., 4,855,376, Cl. 526-311.000.
- DeMartino, Ronald N.; and Yoon, Hyun-Nam, 4,865,430, Cl. 350-376.000.
- DeMartino, Ronald N.; Yoon, Hyun-Nam; Stamatoff, James B.; and Buckley, Alan, 4,868,250, Cl. 525-479.000.
- Leslie, Thomas M.; Yoon, Hyun-Nam; DeMartino, Ronald N.; and Stamatoff, James B., 4,796,976, Cl. 350-330.000.

Yoon, InBae. Elastic ligating ring clip. 4,794,927, 1-3-89, Cl. 128-326.000.

Yoon, InBae. Elastic surgical ring clip and ring loader. 4,860,746, 8-29-89, Cl. 128-326.000.

Yoon, InBae. Multi-functional instruments and stretchable ligating and occluding devices. 4,869,268, 9-26-89, Cl. 128-831.000.

Yoon, Jong Y., to Goldstar Co., Ltd. Rapid reel braking device for a video cassette tape recorder. 4,807,061, 2-21-89, Cl. 360-74.100.

Yoon, Kwangjun: *See—*
- Jeon, Eijin; Lee, Wooil; Yoon, Kwangjun; and Kim, Taewook, 4,831,881, Cl. 73-768.000.

Yoon, Myongwhan; Whang, Seongtae; Chang, Insoon; and Han, Pilsoon, to Korea Advanced Energy Reasearch Institute. Recovery or removal of uranium by the utilization of acorns. 4,871,518, 10-3-89, Cl. 423-11.000.

Yopp, John H.: *See—*
- Kinnersley, Alan M.; Scott, Taylor C., III; Yopp, John H.; and Whitten, George H., 4,813,997, Cl. 71-66.000.

Yopp, W. Trent; and Glab, John A., to Ford Motor Company. Automotive suspension control system including suspension position sensor. 4,822,063, 4-18-89, Cl. 280-840.000.

Yopp, W. Trent, to Ford Motor Company. Automotive system for dynamically determining road adhesion. 4,882,693, 11-21-89, Cl. 364-424.010.

Yopp, W. Trent: *See—*
- Glab, John A.; Nicosia, Raymond P.; and Yopp, W. Trent, 4,804,203, Cl. 280-707.000.

Yorica Koki Co., Ltd.: *See—*
- Takahashi, Keizo, 4,868,661, Cl. 358-185.000.

Yorifuji, Yuuki: *See—*
- Kirihata, Shinji; Araki, Tsunehiko; Yorifuji, Yuuki; Horii, Takashi; Matsuda, Hiroshi; and Himezawa, Hidekazu, 4,849,737, Cl. 340-567.000.

Yorikane, Toshiaki: *See—*
- Tsunoda, Kikuo; Yorikane, Toshiaki; and Murakami, Hideo, 4,830,306, Cl. 242-84.20R.

Yorio, Ralph: *See—*
- Critton, Thomas J.; Johnson, Donald S.; Pukalo, Walter P.; and Yorio, Ralph, 4,872,369, Cl. 74-574.000.

Yorita, Hiroshi; Igashira, Toshihiko; Tanaka, Takeshi; Sakakibara, Kouichi; Wakayama, Masao; Sato, Takashi; and Kawai, Noriaki, to Nippon Soken, Inc.; and Toyota Jidosha Kabushiki Kaisha. Oil heating apparatus for internal combustion engine. 4,815,431, 3-28-89, Cl. 123-196.0AB.

Yorita, Masaru: *See—*
- Inagaki, Hiromi; Matsuura, Kazuo; Koike, Tetsuya; Suenaga, Toshihiko; Yorita, Masaru; and Izawa, Masaki, 4,811,933, Cl. 267-140.100.

Yorita, Tadahiro; and Hiroshima, Motoharu, to Murata Manufacturing Co., Ltd. Dielectric filter. 4,800,347, 1-24-89, Cl. 333-202.000.

Yorita, Tadahiro: *See—*
- Saito, Koji; Yorita, Tadahiro; and Okawa, Hiroshi, 4,795,992, Cl. 333-206.000.

Yorita, Takashi: *See—*
- Fujimoto, Naonobu; Yorita, Takashi; Yato, Yoshiaki; Nakamura, Yoshinori; and Satoh, Kenji, 4,811,341, Cl. 370-112.000.

Yorita, Takeo, to NEC Corporation. Mobile communications system capable of avoiding interference with control channel. 4,870,696, 9-26-89, Cl. 455-49.000.

Yoritomo, Makoto; Fuse, Masashi; and Murata, Shinji, to Alps Electric Co., Ltd. LED array head using a fiber bundle. 4,827,290, 5-2-89, Cl. 346-107.00R.

Yorizane, Saburo: *See—*
- Tsuruta, Yukiyasu; Yorizane, Saburo; Kimura, Koichiro; Noda, Tetsuo; Isshiki, Taizo; Okada, Masanori; and Ishihara, Masato, 4,796,244, Cl. 369-38.000.

York, Billie M., Jr., to Alcon Laboratories, Inc. Spiro-tricyclicaromatic succinimide derivatives. 4,864,028, 9-5-89, Cl. 546-15.000.

York, Brian W.: *See—*
  Young, James R. F.; York, Brian W.; and Hemingway, Kenneth S., 4,827,984, Cl. 138-93.000.
York, Harold D., Jr. Adjustable sandal. 4,869,000, 9-26-89, Cl. 36-11.500.
York International Corporation: *See—*
  Schnetzka, Harold R., II; and Wills, Frank E., 4,864,487, Cl. 363-129.000.
York, James R.: *See—*
  Shenoy, Vittal U.; Yang, Frank Y.; and York, James R., 4,887,129, Cl. 355-218.000.
York, John D.; Peppard, Edward M.; and Haugen, Bruce A., to American Standard Inc. Automatic tube expander for a heat exchanger. 4,835,828, 6-6-89, Cl. 29-157.30C.
York Limited: *See—*
  Hartog, Arthur H.; Gold, Martin P.; and Leach, Adrian P., 4,823,166, Cl. 356-44.000.
York, Robert L., to Yet, Inc. Child's dinner seat and method of feeding. 4,852,942, 8-1-89, Cl. 297-195.000.
York, Rudy L.; Luttmer, Joseph D.; Smith, Patricia B.; and Davis, Cecil J., to Texas Instruments Incorporated. Method of sequential cleaning and passivating a GaAs substrate using remote oxygen plasma. 4,877,757, 10-31-89, Cl. 437-235.000.
York, Rudy L.: *See—*
  Luttmer, Joseph D.; York, Rudy L.; Smith, Patricia B.; and Davis, Cecil J., 4,837,113, Cl. 427-38.000.
  Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; York, Rudy L.; Loewenstein, Lee M.; and Jucha, Rhett B., 4,838,984, Cl. 156-643.000.
  Luttmer, Joseph D.; Davis, Cecil J.; Smith, Patricia B.; and York, Rudy L., 4,855,160, Cl. 427-38.000.
York, Thomas O.: *See—*
  Linn, Edwards E.; and York, Thomas O., 4,797,273, Cl. 424-59.000.
York, W. Clifton. Portable wild game hoist. 4,806,063, 2-21-89, Cl. 414-462.000.
Yorke, John W.: *See—*
  Iley, William J.; and Yorke, John W., 4,818,292, Cl. 106-210.000.
Yorke, William J.: *See—*
  Prest, David W.; and Yorke, William J., 4,875,951, Cl. 149-109.600.
Yorkgitis, Elaine M.; Smith, Samuel; Ouderkirk, Andrew J.; and Dunn, Douglas S., to Minnesota Mining and Manufacturing Company. Polymeric film with reduced surface friction. 4,868,006, 9-19-89, Cl. 427-53.100.
Yorkgitis, Elaine M.: *See—*
  Woo, Edward J.; and Yorkgitis, Elaine M., 4,824,699, Cl. 427-307.000.
Yorks, W. Brinton, Jr.: *See—*
  Bedi, James J.; Golden, Donald M.; Gaterud, Mark T.; Miksza, Anthony S.; Deniega, Jose C.; Smith, Richard; and Yorks, W. Brinton, Jr., 4,805,617, Cl. 128-334.00C.
Yorozu, Hidenori, to Kao Corporation. Weakly acidic bath agents. 4,879,105, 11-7-89, Cl. 424-44.000.
Yorozu, Hidenori: *See—*
  Kamiya, Tetsuro; Inoue, Takeshi; Yorozu, Hidenori; Eguchi, Yasuteru; and Tsujii, Kaoru, 4,859,696, Cl. 514-420.000.
Yose, Toshio, to Sharp Kabushiki Kaisha. Microwave oven with detachable electrical resistance heater. 4,814,569, 3-21-89, Cl. 219-10.55B.
Yoshiba, Yutaka, to Ricoh Company, Ltd. Display memory control system. 4,816,815, 3-28-89, Cl. 340-750.000.
Yoshida, Akihiko; Nishino, Atsushi; Tanahashi, Ichiro; and Takeuchi, Yasuhiro, to Matsushita Electric Industrial Co., Ltd. Apparatus for carbonizing and activating fiber materials. 4,814,145, 3-21-89, Cl. 422-150.000.
Yoshida, Akihisa; Setsune, Kentaro; and Hirao, Takashi, to Matsushita Electric Industrial Co., Ltd. Plasma processing apparatus for large area ion irradiation. 4,859,908, 8-22-89, Cl. 315-111.810.
Yoshida, Akiihiko; and Soma, Takao, to NGK Insulators, Ltd. Composite joined bodies including an intermediate member having a honeycomb structure. 4,865,896, 9-12-89, Cl. 428-116.000.
Yoshida, Akimaro: *See—*
  Honjo, Takeshi; and Yoshida, Akimaro, 4,878,656, Cl. 270-53.000.
Yoshida, Akio; Ajima, Shigetoshi; Hiruta, Masaru; and Saito, Hatsuo, to Kureha Kagaku Kogyo Kabushiki Kaisha. Process for producing a carbonaceous thin plate. 4,822,538, 4-18-89, Cl. 264-29.400.
Yoshida, Akira; and Sasaki, Yuuichi, to Fujitsu Limited. System for generating mask pattern for vector data processor. 4,841,438, 6-20-89, Cl. 364-200.000.
Yoshida, Akira: *See—*
  Ishida, Yoshihiro; Yoshida, Akira; and Kobayashi, Hideo, 4,883,969, Cl. 250-427.000.
Yoshida, Akirahiko: *See—*
  Yamaguchi, Yasunori; Yoshida, Akirahiko; Nei, Masami; Ishihara, Masamichi; and Yamamoto, Yukio, 4,858,190, Cl. 365-189.050.
Yoshida, Akiyoshi: *See—*
  Suyama, Koji; and Yoshida, Akiyoshi, 4,811,997, Cl. 312-228.000.
Yoshida, Atsushi, to NEC Corporation. Frame step-out detecting system. 4,837,766, 6-6-89, Cl. 371-46.000.
Yoshida, Atsushi, to NEC Corporation. Apparatus for compensating for phase hits. 4,860,319, 8-22-89, Cl. 375-83.000.
Yoshida, Atsushi: *See—*
  Okamoto, Shingo; Kiryu, Masao; and Yoshida, Atsushi, 4,812,336, Cl. 427-257.000.
Yoshida, Atsuya: *See—*
  Kubo, Hiroshi; and Yoshida, Atsuya, 4,880,965, Cl. 250-213.0VT.
Yoshida, Eiichi, to Canon Kabushiki Kaisha. Image processing apparatus for determining the presence or absence of an image on each side of a plurality of originals prior to producing two-sided copies of the originals to avoid producing any copies with blank sides. 4,839,740, 6-13-89, Cl. 358-288.000
Yoshida, Eiji; Suzuki, Akio; Nagasaki, Satoru; Arai, Masumi; Metoki, Iku; and Sakuma, Haruhiko, to Konica Corporation. Silver halide photographic light-sensitive material. 4,801,526, 1-31-89, Cl. 430-567.000.
Yoshida, Eiji; Suzuki, Akio; and Hosaka, Masumi, to Konishiroku Photo Industry Co., Ltd. Silver halide emulsion and process for preparing it, and light-sensitive halide photographic material employing said silver halide emulsion. 4,826,758, 5-2-89, Cl. 430-569.000.
Yoshida, Eiji: *See—*
  Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,847,189, Cl. 430-567.000.
  Suzuki, Akio; Yoshida, Eiji; Nagasaki, Satoru; Arai, Masumi; and Tsuji, Nobuaki, 4,861,702, Cl. 430-564.000.
Yoshida, Fumihiko: *See—*
  Okamura, Chikaaki; Fujita, Akihito; Nagao, Tamotu; and Yoshida, Fumihiko, 4,865,904, Cl. 428-215.000.
Yoshida, Fumio: *See—*
  Fujimori, Toshio; Honda, Takeyuki; Inagaki, Yoji; Yoshida, Fumio; and Akizuki, Seiichi, 4,848,142, Cl. 73-117.000.
Yoshida, Hajime: *See—*
  Ozaki, Ryoji; Shinohara, Hisaji; Yamamoto, Hironobu; Nara, Takashi; and Yoshida, Hajime, 4,808,223, Cl. 75-235.000.
  Tate, Kazuhito; Yoshida, Hajime; and Sasaki, Teruhiko, 4,801,372, Cl. 208-22.000.
Yoshida, Haruhiko: *See—*
  Takemura, Tohru; Itoh, Hajime; Kamo, Jun; and Yoshida, Haruhiko, 4,802,942, Cl. 156-244.130.
Yoshida, Haruo; Uotani, Nobuo; and Saida, Yoshihiro, to Showa Denko Kabushiki Kaisha. Polymer having isoindole structure. 4,833,231, 5-23-89, Cl. 528-423.000.
Yoshida, Hidemi: *See—*
  Hase, Takashi; and Yoshida, Hidemi, 4,874,985, Cl. 313-487.000.
  Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyuki; Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohgaki, Mitsuaki, 4,839,207, Cl. 428-64.000.
Yoshida, Hideo; Inoue, Tohru; Yamagishi, Atsuhiro; Oda, Yoshiaki; Ozaki, Minoru; and Nishijima, Toshihisa, to Mitsubishi Denki Kabushiki Kaisha. Error correction encoder/decoder. 4,841,300, 6-20-89, Cl. 341-94.000.
Yoshida, Hideo; and Yanagiuchi, Shigenobu, to Sharp Kabushiki Kaisha. Word storage device for use in language interpreter. 4,843,59 6-27-89, Cl. 364-900.000.
Yoshida, Hideo: *See—*
  Baba, Yoshio; Uno, Teruo; and Yoshida, Hideo, 4,851,192, Cl. 420-528.000.
Yoshida, Hidetsugu: *See—*
  Shimada, Keizo; Aoyama, Toshihiro; and Yoshida, Hidetsugu, 4,826,892, Cl. 522-148.000.
Yoshida, Hirokazu; Nakatani, Hiroshi; and Yamamura, Keiji, to Sharp Kabushiki Kaisha. Method for the replacement of semiconductor devices. 4,806,503, 2-21-89, Cl. 437-206.000.
Yoshida, Hirokazu: *See—*
  Sota, Kouichi; Sima, Toshiaki; and Yoshida, Hirokazu, 4,869,4 Cl. 226-97.000.
Yoshida, Hiroshi; Shimano, Shizuo; Mochizuki, Seiji; Koike, Kenji; Nakagawa, Taizo; and Konishi, Kenji, to Nippon Kayaku Kabushiki Kaisha. N-cyanoalkylisonicotinamide derivatives. 4,804,762, 2-14-89, Cl. 514-336.000.
Yoshida, Hiroshi, to Yoshida Kogyo K. K. Lock device for slide fastener sliders. 4,815,176, 3-28-89, Cl. 24-387.000.
Yoshida, Hiroshi, to Yoshida Kogyo K. K. Method and apparatus for treating elongate textile materials. 4,888,839, 12-26-89, Cl. 8-140.1X.
Yoshida, Hiroshi: *See—*
  Asano, Isao; Saito, Shoichiro; Kaneko, Tooru; Kowaguchi, Toru; Mitsuishi, Tetsuya; and Yoshida, Hiroshi, 4,819,095, Cl. 360-77.040.
  Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, 4,888,731, Cl. 365-49.000.
  Chuang, Patrick T.; Yau, Robert L.; Yoshida, Hiroshi; and Wang, Moon-Yee, 4,890,260, Cl. 365-49.000.
  Ide, Jun; Iizumi, Tomoo; Takahashi, Yoshitaka; Yoshida, Hiroshi; Kaneko, Tooru; and Hishi, Yuichi, 4,839,753, Cl. 360-46.000.
  Nakashima, Sumio; Sogabe, Hideki; Yoshida, Hiroshi; and [illegible] Atsushi, 4,833,267, Cl. 60-205.000.
  Penzhorn, Ralf-Dieter; and Yoshida, Hiroshi, 4,875,96 Cl. 376-146.000.
  Suzuki, Takashi; Hasu, Akinori; Yoshida, Hiroshi; and Hashimoto, Shigeru, 4,824,708, Cl. 428-64.000.
  Yamagishi, Mashiro; Minagawa, Takumi; and Yoshida, Hiroshi, 4,868,041, Cl. 428-254.000.
Yoshida, Hirotsugu: *See—*
  Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, 4,831,055, Cl. 514-539.000.
Yoshida, Hiroyuki; and Nakamura, Kyoichi, to Kanegafuchi Kagaku Kogyo Kabushiki Kaisha. Process for pre-expanding thermoplastic resin particles. 4,810,440, 3-7-89, Cl. 264-53.000.
Yoshida, Hiroyuki: *See—*
  Yasuda, Eturo; Matsuoka, Hiroshi; Yoshida, Hiroyuki; Kosaka, Yoichi; and Sawada, Yasushi, 4,845,399, Cl. 310-366.000.
Yoshida, Hisatoshi: *See—*
  Haga, Katutoshi; Yoshida, Hisatoshi; and Mitani, Yuki, 4,852,0 Cl. 74-826.000.

Yoshida, Hitoshi: *See—*
  Fujita, Naoshi; Oe, Motoaki; Yoshida, Hitoshi; Takeuchi, Yukihisa; and Ueda, Naoki, 4,816,332, Cl. 428-304.400.
  Sangyoji, Kazuo; Yamamoto, Takemi; Takagi, Osamu; Yoshida, Hitoshi; Iwao, Naoto; and Ban, Yoshiyuki, 4,814,808, Cl. 354-304.000.
Yoshida, Ichiro: *See—*
  Tanaka, Toshikiyo; Yoshida, Ichiro; and Yasuda, Hiroshi, 4,801,491, Cl. 428-212.000.
Yoshida, Ikio, to NEC Corporation. Serial interface system flexibly applicable to a one-to-plurality connection. 4,872,003, 10-3-89, Cl. 340-825.080.
Yoshida Industry Co., Ltd.: *See—*
  Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, 4,817,686, Cl. 141-12.000.
  Hatakeyama, Yoshiharu; and Ishikawa, Tatsuo, 4,820,149, Cl. 425-555.000.
  Hatakeyama, Yoshiharu; and Ishiguro, Mitsuo, 4,884,601, Cl. 141-71.000.
  Okojima, Sumio; and Yuhara, Yukitomo, 4,799,604, Cl. 220-260.000.
  Sakamaki, Yosio; Ideshita, Yuji; Fujita, Fumiyoshi; and Sugiyama, Takashi, 4,883,079, Cl. 132-318.000.
  Yuhara, Yukitomo; and Hatakeyama, Yoshiharu, 4,834,122, Cl. 132-301.000.
Yoshida, Isao; Okabe, Takeaki; Ito, Mitsuo; Ashikawa, Kazutoshi; and Iijima, Tetsuo, to Hitachi, Ltd. Insulated gate semiconductor device with back-to-back diodes. 4,831,424, 5-16-89, Cl. 357-23.130.
Yoshida, Isao: *See—*
  Katsuyama, Tsutomu; Yoshida, Isao; Kanai, Toyoo; and Taguchi, Yasunobu, 4,870,698, Cl. 455-67.000.
  Kimura, Masatoshi; Okabe, Takeaki; Yoshida, Isao; Sakamoto, Kouzou; Hoya, Kazuo; Satonaka, Kouichiro; Koda, Toyomasa; and Ohtaka, Shigeo, 4,814,288, Cl. 437-59.000.
Yoshida, Iwao: *See—*
  Chazono, Masashi; Yoshida, Iwao; Konobe, Takeo; Osame, Juichiro; and Takaku, Keisuke, 4,849,358, Cl. 435-252.000.
  Fujita, Hiroyuki; Yoshida, Iwao; Takagi, Mitsuo; Manabe, Sadao; and Fukai, Konosuke, 4,810,492, Cl. 424-88.000.
Yoshida, Junichi; Sugano, Shinichi; and Koike, Masaaki, to Casio Computer Co., Ltd. Connector for a memory card. 4,887,188, 12-12-89, Cl. 361-413.000.
Yoshida, Kageo; Nittani, Osamu; Ito, Toshinobu; Kokura, Makoto; and Hirano, Kouzi, to Asahi Denka Kogyo K.K. Method of removing solvent from chlorinated resin. 4,842,743, 6-27-89, Cl. 210-634.000.
Yoshida, Kakushiyou: *See—*
  Ikeda, Hironosuke; Ezaki, Tadashi; Yoshida, Kakushiyou; Yamaguchi, Rikizou; and Suenaga, Kazuhiro, 4,876,451, Cl. 361-540.000.
Yoshida, Kasumi: *See—*
  Takano, Nobuyoshi; Watanabe, Yoshio; Taichi, Yoshio; Akimori, Norimi; and Yoshida, Kasumi, 4,827,966, Cl. 137-115.000.
Yoshida, Katsuhiko: *See—*
  Ichikawa, Makoto; Takahashi, Kaneo; Tokomoto, Mitsuo; Zaita, Hironori; Kooyama, Kazunori; Ureshino, Kashiro; and Yoshida, Katsuhiko, 4,813,313, Cl. 82-128.000.
Yoshida, Katsuhira; and Kubo, Yuji, to Mitsubishi Chemical Industries Limited. Metal-containing indoaniline compound and optical recording medium employing the compound. 4,873,332, 10-10-89, Cl. 546-7.000.
Yoshida, Katsumasa: *See—*
  Karashima, Kunihiko; Kumada, Shoji; Yoshida, Katsumasa; and Katase, Hiroharu, 4,862,044, Cl. 318-254.000.
Yoshida, Katsumi: *See—*
  Ishida, Reiziro; Inoue, Shoichi; Ariga, Masao; Yoshida, Katsumi; Tsuya, Yoshimi; Odaira, Yasuyuki; Ebina, Hisashi; and Inoue, Shigetoshi, 4,863,552, Cl. 156-583.100.
Yoshida, Katumi: *See—*
  Yamamoto, Hiroshi; Yoshida, Shigeru; and Yoshida, Katumi, 4,874,233, Cl. 350-429.000.
Yoshida, Kazuetsu: *See—*
  Futamoto, Masaaki; Honda, Yukio; Saito, Shinichiro; Nishimura, Takashi; Yoshida, Kazuetsu; Okuwaki, Toyoji; Iwata, Hitoshi; Suzuki, Hiroyuki; Imagawa, Kazushige; Daimon, Hideo; Kitakami, Osamu; and Fujiwara, Hideo, 4,840,844, Cl. 428-336.000.
Yoshida, Kazufumi; Ishikawa, Tohru, and Nogami, Mikio, to Hitachi, Ltd. POS system with means for automatically reconfiguring the center PLU and local files. 4,843,546, 6-27-89, Cl. 364-403.000.
Yoshida, Kazuhiro, to Hoshizaki Electric Co., Ltd. Method of protecting a refrigerating apparatus. 4,831,834, 5-23-89, Cl. 62-156.000.
Yoshida, Kazuhiro; and Ohta, Hideji, to Hoshizaki Electric Co., Ltd. Ice making machine. 4,862,706, 9-5-89, Cl. 62-347.000.
Yoshida, Kazuhiro; and Takamuki, Yasuhiko, to Konica Corporation. Safelight for silver halide light-sensitive photographic material. 4,879,207, 11-7-89, Cl. 430-564.000.
Yoshida, Kazuo; and Fukuo, Koichi, to Honda Giken Kogyo Kabushiki Kaisha. Hydraulic circuit for a valve operating mechanism for an internal combustion engine. 4,800,850, 1-31-89, Cl. 123-90.160.
Yoshida, Kazuo; Hirose, Kenji; Komatsu, Toshiyasu; Shimoyama, Kazuaki; and Tsuji, Yoshihito, to Honda Giken Kogyo Kabushiki Kaisha. Valve operating device for internal combustion engine. 4,829,948, 5-16-89, Cl. 123-90.160.
Yoshida, Kazuo: *See—*
  Konai, Yutaka; Nakamura, Tadashi; Tanonaka, Takayuki; Yoshida, Kazuo; and Machida, Yoshihisa, 4,804,788, Cl. 568-730.000.
  Konai, Yutaka; Yoshida, Kazuo; and Hino, Masatoshi, 4,825,007, Cl. 568-815.000.
  Sonoda, Toshinari; Matsubara, Toshihiko; Otowa, Takashi; and Yoshida, Kazuo, 4,807,576, Cl. 123-90.570.
Yoshida, Kazushi: *See—*
  Arai, Yasunori; Yoshida, Kazushi; and Iizuka, Takashi, 4,819,035, Cl. 355-55.000.
  Ogawa, Ryota; Toji, Shigeo; Yoshida, Kazushi; and Okura, Zenichi, 4,890,133, Cl. 354-402.000.
Yoshida, Kazuyoshi: *See—*
  Kikuchi, Hiroshi; Tanuma, Jiro; Obara, Kazuki; and Yoshida, Kazuyoshi, 4,851,861, Cl. 346-76.0PH.
Yoshida, Kazuyuki: *See—*
  Takeda, Katsuhiko; Yoshida, Kazuyuki; and Kitajima, Yamato, 4,816,875, Cl. 355-67.000.
Yoshida, Keiji: *See—*
  Morita, Yoshitsugu; Yokoyama, Noriyasu; and Yoshida, Keiji, 4,880,882, Cl. 525-446.000.
Yoshida, Kenitsu: *See—*
  Sato, Jiro; and Yoshida, Kenitsu, 4,834,272, Cl. 222-604.000.
Yoshida, Kenji: *See—*
  Fushiya, Fusao; Yoshida, Kenji; and Naitoh, Akira, 4,851,730, Cl. 310-249.000.
  Nakajima, Mutsuo; Kuboyama, Hisaharu; Komiyama, Tadashi; Kimura, Hiroshi; and Yoshida, Kenji, 4,831,162, Cl. 549-534.000.
  Ohtaka, Hiroshi; Yoshida, Kenji; Suzuki, Kenji; Shimohara, Koichi; Tajima, Sigeru; and Ito, Keizo, 4,797,400, Cl. 514-255.000.
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  Hanabata, Hiroki; Kawaguchi, Hideo; Fukudome, Hiroshi; Noumi, Ryoichi; Izaiku, Hiromi; Komai, Koichi; and Yoshida, Kisuke, 4,826,902, Cl. 524-168.000.
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  Kudo, Yoshinobu; and Yoshida, Kiyohiro, 4,886,342, Cl. 350-252.000.
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Yoshida, Kiyomitsu: *See—*
  Haga, Takahiro; Toki, Tadaaki; Koyanagi, Toru; Fujii, Yasuhiro; Yoshida, Kiyomitsu; and Imai, Osamu, 4,861,799, Cl. 514-594.000.
Yoshida, Kiyoshi: *See—*
  Onishi, Masami; Masumoto, Toshikazu; Murakami, Kazumi; and Yoshida, Kiyoshi, 4,814,901, Cl. 360-33.100.
Yoshida Kogyo K. K.: *See—*
  Akashi, Shunji, 4,823,447, Cl. 24-429.000.
  Akeno, Mitsuru, 4,825,514, Cl. 24-389.000.
  Akiyama, Hideki; and Morita, Toyoo, 4,839,963, Cl. 29-766.000.
  Arai, Takeshi, 4,830,255, Cl. 227-116.000.
  Fujisaki, Yoshinori; and Ida, Kazuo, 4,870,724, Cl. 24-433.000.
  Fukushima, Jukichi, 4,813,106, Cl. 24-91.000.
  Hashimoto, Koji; Yoshioka, Hideaki; Asami, Katsuhiko; and Kawashima, Asahi, 4,834,806, Cl. 148-4.000.
  Horikawa, Yoichi, 4,799,313, Cl. 29-768.000.
  Horita, Yoshiyuki, 4,888,859, Cl. 24-389.000.
  Ishii, Susumu, 4,825,638, Cl. 24-421.000.
  Kando, Akiyoshi, 4,852,771, Cl. 222-169.000.
  Kasai, Kazumi, 4,802,262, Cl. 24-606.000.
  Kasai, Kazumi, 4,815,175, Cl. 24-193.000.
  Kasai, Kazumi, 4,819,306, Cl. 24-241.0SL.
  Kasai, Kazumi, 4,864,700, Cl. 24-573.000.
  Kasai, Kazumi, 4,866,819, Cl. 24-614.000.
  Kasai, Kazumi, 4,888,858, Cl. 24-163.00R.
  Kasai, Tomoaki; and Sekiguchi, Seizo, 4,873,847, Cl. 68-178.000.
  Kazui, Hidetaka; and Takano, Tomiyoshi, 4,878,275, Cl. 24-436.000.
  Komori, Akihiro; and Hirano, Muneyoshi, 4,877,076, Cl. 160-107.000.
  Komori, Akihiro; and Hirano, Muneyoshi, 4,884,613, Cl. 160-107.000.
  Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,796,519, Cl. 98-97.000.
  Kondo, Hiroshi; Kusunoki, Toshimasa; and Kameda, Ryo, 4,821,475, Cl. 52-235.000.
  Kusayama, Masahiro, 4,817,252, Cl. 24-389.000.
  Kusayama, Masahiro, 4,842,799, Cl. 264-265.000.
  Masuda, Yuichi; and Shimizu, Kozo, 4,840,322, Cl. 242-67.10R.
  Matoba, Hiroshi, 4,799,298, Cl. 24-140.000.
  Matsuda, Yoshio; and Ishihara, Mitsutoshi, 4,838,044, Cl. 66-190.000.
  Matsuda, Yoshio, 4,858,447, Cl. 66-191.000.
  Morita, Toyoo, 4,796,497, Cl. 83-23.000.
  Morita, Toyoo, 4,862,585, Cl. 29-767.000.
  Murai, Ryuichi, 4,839,946, Cl. 24-115.00G.
  Murasaki, Ryuichi, 4,838,495, Cl. 242-55.000.
  Murasaki, Ryuichi, 4,850,085, Cl. 26-9.000.
  Ogura, Toyosaku, 4,855,592, Cl. 250-227.000.
  Ohfusa, Masaatsu, 4,799,515, Cl. 139-384.00B.
  Osaki, Tatsuo, 4,839,956, Cl. 29-408.000.
  Osaki, Tatsuo, 4,865,242, Cl. 226-181.000.

  - Sassa, Yusei, 4,835,845, Cl. 29-767.000.
  - Sassa, Yusei, 4,845,829, Cl. 29-409.000.
  - Sawada, Toshiaki, 4,809,414, Cl. 29-33.200.
  - Seki, Fumio, 4,840,301, Cl. 227-139.000.
  - Shimai, Hideo, 4,838,097, Cl. 73-865.900.
  - Sodeno, Toshiaki, 4,795,072, Cl. 227-18.000.
  - Sodeno, Toshiaki, 4,819,318, Cl. 29-408.000.
  - Sugimoto, Isao; and Kasai, Tomoaki, 4,854,137, Cl. 68-15.000.
  - Suzuki, Takeshi, 4,848,638, Cl. 227-149.000.
  - Suzuki, Yasutoshi, 4,866,825, Cl. 29-33.200.
  - Taga, Yukio, 4,799,611, Cl. 227-18.000.
  - Takemura, Masami, 4,803,809, Cl. 49-404.000.
  - Tanaka, Akira; and Hasegawa, Kenji, 4,809,532, Cl. 72-337.000.
  - Toishi, Yoshiyuki, 4,799,612, Cl. 227-121.000.
  - Toyota, Sumio, 4,819,852, Cl. 227-8.000.
  - Tsubata, Noritaka; Tanikawa, Koichi; and Watanabe, Kozo, 4,823,446, Cl. 24-389.000.
  - Tsubata, Noritaka, 4,832,065, Cl. 134-64.00R.
  - Watanabe, Hirokazu, 4,809,407, Cl. 24-95.000.
  - Watanabe, Hirokazu, 4,815,173, Cl. 24-90.00R.
  - Watanabe, Hirokazu; and Shiomi, Masamichi, 4,858,281, Cl. 24-113.0MP.
  - Yaguramaki, Iwao, 4,827,580, Cl. 24-419.000.
  - Yamada, Yasuo, 4,811,468, Cl. 24-442.000.
  - Yoshida, Hiroshi, 4,815,176, Cl. 24-387.000.
  - Yoshida, Hiroshi, 4,888,839, Cl. 8-149.100.
  - Yoshieda, Keiichi; Sassa, Yuusei; Sodeno, Toshiaki; and Miyazaki, Kunio, 4,821,396, Cl. 29-410.000.
  - Yoshimura, Eiichi, 4,831,709, Cl. 29-426.400.
  - Yoshimura, Eiichi, 4,858,284, Cl. 24-4[illegible]3.000.
  - Yunoki, Akio, 4,813,361, Cl. 112-104.000.
  - Yunoki, Akio, 4,854,253, Cl. 112-265.200.
  - Yunoki, Akio, 4,856,695, Cl. 226-154.000.
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- Yoshida, Koji: *See—*
  - Hikami, Toshiya; Yoshida, Koji; Obara, Yuichi; and Fuse, Kenichi, 4,846,729, Cl. 439-161.000.
- Yoshida, Kokichi: *See—*
  - Saito, Yuzuru; and Yoshida, Kokichi, 4,871,868, Cl. 549-416.000.
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  - Izaki, Teruaki; Yoshida, Makoto; Osawa, Masami; Higuchi, Seijun; and Maruta, Akinori, 4,800,134, Cl. 428-626.000.
  - Kageyama, Takashi; and Yoshida, Makoto, 4,870,920, Cl. 118-103.000.
  - Wada, Toshiya; Tanaka, Osamu; Egawa, Takatoshi; Yoshida, Makoto; Higuchi, Seizun; and Izaki, Teruaki, 4,863,531, Cl. 148-111.000.
  - Yamanaka, Naoki; and Yoshida, Makoto, 4,863,850, Cl. 435-7.000.
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- Yoshida, Masahiro: *See—*
  - Matsuda, Tatsuhito; Funae, Yasuaki; Yoshida, Masahiro; and Takaya, Tsuguo, 4,810,812, Cl. 558-251.000.
- Yoshida, Masaji: *See—*
  - Sakaguchi, Hironao; Yoshida, Masaji; and Matsuo, Yasutoshi, 4,860,105, Cl. 358-167.000.
- Yoshida, Masakazu: *See—*
  - Jindai, Hideo; Bando, Keiji; Yoshida, Masakazu; and Yamada, Hideki, 4,889,466, Cl. 414-694.000.
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  - Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.
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  - Kataoka, Shoei; Yoshida, Masaru; and Nakajima, Shigeo, 4,857,920, Cl. 340-907.000.
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- Yoshida, Masatake: *See—*
  - Akoi, Katsutoshi; Fujiwara, Shuzo; Tanaka, Katsumi; Kakudate, Yozo; Yoshida, Masatake; and Usuba, Shu, 4,864,004, Cl. 526-73.000.
- Yoshida, Masato: *See—*
  - Takeuchi, Hikaru; Yoshida, Masato; and Nemoto, Shiro, 4,865,913, Cl. 428-321.300.
- Yoshida, Masayuki: *See—*
  - Suzuki, Akihiro; Suzuki, Makoto; Hattori, Yutaka; Miyaki, Kazuyuki; Yoshida, Masayuki; Taki, Kazunari; and Bessho, Yoshinori, 4,865,407, Cl. 350-96.120.
- Yoshida, Michiyasu: *See—*
  - Kume, Satoru; Yoshida, Michiyasu; Kume, Tateo; Oshima, Hiroki; Kawagoe, Mitsuhiro; and Koga, Kazuo, 4,835,964, Cl. 60-285.000.
- Yoshida, Michiyuki: *See—*
  - Sugiura, Masahiro; Yoshida, Michiyuki; and Nakatsuji, Yoshiaki, 4,809,609, Cl. 101-426.000.
- Yoshida, Minoru: *See—*
  - Yasuda, Sachiko; Yoshida, Minoru; Asada, Tomoyuki; and Mukai, Hideo, 4,806,992, Cl. 355-3.0DD.
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  - Itoh, Seiga; Sekine, Susumu; Taniguchi, Tadatsugu; Yoshida, Mitsuaki; and Sugano, Haruo, 4,795,805, Cl. 530-350.000.
- Yoshida, Mitsunari: *See—*
  - Teshima, Toru; Ariga, Kazuo; and Yoshida, Mitsunari, 4,829,154, Cl. 219-209.000.
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  - Takahashi, Michiaki; Yoshida, Mitsuo; Miyazawa, Kazuyoshi; Nitta, Sigeyuki; Fujisawa, Junichi; Obara, Nobuji; Hayashi, Shoji; and Sawada, Yoshikazu, 4,818,935, Cl. 213-232.000.
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  - Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, [illegible] 4,882,102, Cl. 264-29.300.
  - Kawakubo, Takamasa; Yoshida, Mitsuru; and Suda, [illegible] 4,882,103, Cl. 264-29.500.
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  - Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,808,1[illegible] Cl. 445-7.000.
  - Sakura, Akio; Yoshida, Mitsutaka; and Kagawa, Junichi, 4,814,[illegible] Cl. 313-141.000.
- Yoshida, Naoki: *See—*
  - Ohta, Hiroyuki; Yoshida, Naoki; and Goto, Hideo, 4,822,44[illegible] Cl. 156-345.000.
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- Yoshida, Naoyuki: *See—*
  - Kon, Tatsuya; Kato, Shiro; Morie, Toshiya; Ohno, Kazunori; Hi[illegible] Katsuhiko; Karasawa, Tadahiko; and Yoshida, Naoyuki, 4,870,074, Cl. 514-233.800.
  - Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; [illegible] Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,827,05[illegible] Cl. 568-812.000.
  - Ohno, Kouji; Saito, Shinichi; Miyazawa, Kazutoshi; [illegible] Makoto; Inoue, Hiromichi; and Yoshida, Naoyuki, 4,882,0[illegible] Cl. 252-299.660.
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  - Egawa, Jiro; Yoshida, Naruhito; Kasai, Toshihiro; Nagasawa, Moriya; Ide, Naoaki; and Machida, Hironobu, 4,819,018, Cl. 355-3.00R.
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  - Kohyama, Mitsuaki; Yoshida, Naruhito; and Takagi, Osamu, 4,836,135, Cl. 118-653.000.
- Yoshida, Noble H.: *See—*
  - Suzuki, Fred K.; Mead, Sharon M.; Yoshida, Noble H.; and Di[illegible]berstein, Robert H., 4,859,360, Cl. 252-299.700.
- Yoshida, Nobuo: *See—*
  - Matsuzawa, Toshio; Murakado, Toru; Aimoto, Hiroshi; K[illegible] Shigetaka; and Yoshida, Nobuo, 4,844,321, Cl. 228-107.000.
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- Yoshida, Nobuyuki: *See—*
  - Takao, Hiroyoshi; Yoshida, Nobuyuki; Imai, Akio; Tsuji, Mitsuji; and Saito, Yuichi, 4,812,527, Cl. 525-250.000.
  - Yamazaki, Takeshi; Yoshida, Nobuyuki; and Iizuka, Yasuhiro, 4,808,444, Cl. 427-420.000.
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  - Ishiwata, Takehiko; and Yoshida, Norifumi, 4,870,389, Cl. 340-709.000.
- Yoshida, Norio, to NEC Corporation. Frame synchronization detection system. 4,796,282, 1-3-89, Cl. 375-116.000.
- Yoshida, Norio: *See—*
  - Nakai, Syoichiro; and Yoshida, Norio, 4,829,512, Cl. 370-16.000.
- Yoshida, Noriyuki, to Brother Kogyo Kabushiki Kaisha. Information display for a zigzag sewing machine. 4,811,67[illegible], 3-14-89, Cl. 112-445.000.
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- Yoshida, Noriyuki: *See—*
  - Takahashi, Kenichi; and Yoshida, Noriyuki, 4,832,444, Cl. 350-96.260.
  - Takahashi, Kenichi; and Yoshida, Noriyuki, 4,865,418, Cl. 350-96.300.
- Yoshida, Osamu, to NEC Corporation. Oscillator capable of quickly supplying a stable oscillation signal. 4,864,255, 9-5-89, Cl. 331-75.000.
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- Yoshida, Ryo: *See—*
  - Kawamura, Shinichi; Sanemitsu, Yuzuru; Hamada, Tatsuhiro; and Yoshida, Ryo, 4,849,011, Cl. 71-94.000.
  - Nagano, Eiki; Yoshida, Ryo; Matsumoto, Hiroshi; Hashimoto, Shunichi; and Kamoshita, Katsuzo, 4,801,408, Cl. 260-508.000.
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  - Nakayama, Koji; Yoshida, Ryo; and Morita, Kouichi, 4,810,271, Cl. 71-92.000.
- Yoshida, Satoru; and Kanada, Sadafumi, to Victor Company of Japan, Ltd. Field-sequential color television camera. 4,851,899, 7-25-89, Cl. 358-42.000.
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  - Tanimoto, Hiroshi; Tanaka, Minoru; and Yoshida, Satoru, 4,866,767, Cl. 379-398.000.
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  - Niwayama, Kazuhiko; Nakagawa, Tsutomu; Tokunoh, Futoshi; and Yoshida, Shigekazu, 4,881,118, Cl. 357-79.000.
- Yoshida, Shigemasa: *See—*
  - Ogura, Shirou; and Yoshida, Shigemasa, 4,827,200, Cl. 318-561.000.
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- Yoshida, Shigeo; Kitagawa, Satoshi; Harada, Shozo; Koide, Tetsuya; and Hasegawa, Manabu, to National House Industrial Co., Ltd.; and INAX Corporation. Glazed cement product and method for manufacturing thereof. 4,797,319, 1-10-89, Cl. 428-312.400.
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- Yoshida, Shigeru: *See—*
  - Hirose, Hideaki; Yoshida, Shigeru; and Kohashi, Toru, 4,832,092, Cl. 141-1.000.
  - Sumi, Akiyasu; Yoshida, Shigeru; Kurosawa, Akira; Takahashi, Tohru; Kondoh, Yoshitaka; and Chigira, Tatsuo, 4,806,813, Cl. 310-254.000.
  - Yamomoto, Hiroshi; Yoshida, Shigeru; and Yoshida, Katumi, 4,874,233, Cl. 350-429.000.
- Yoshida, Shigeyuki; Musha, Atsushi; and Nonami, Takayuki, to Mitsubishi Denki Kabushiki Kaisha. Telephone set. 4,876,714, 10-24-89, Cl. 379-433.000.
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  - Nohira, Hiroyuki; and Yoshida, Shinichi, 4,845,272, Cl. 562-401.000.
- Yoshida, Shinichiro: *See—*
  - Ohi, Shinichi; and Yoshida, Shinichiro, 4,795,867, Cl. 200-37.00R.
  - Sugisaki, Yuzuru; Takada, Makoto; Tokuda, Kazuhiko; Suzuki, Yasuo; Oya, Takashi; Tomeba, Shoichi; and Yoshida, Shinichiro, 4,827,970, Cl. 137-486.000.
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  - Mochizuki, Akira; Kawauchi, Masataka; Takezawa, Kenichiro; Matsuno, Jyunichi; Tanaka, Kihachiro; and Yoshida, Shinobu, 4,870,258, Cl. 235-379.000.
- Yoshida, Shiro: *See—*
  - Yamada, Yasuhiro; Ueno, Shoji; and Yoshida, Shiro, 4,839,755, Cl. 371-38.000.
- Yoshida, Shohei: *See—*
  - Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; and Arai, Akira, 4,808,084, Cl. 417-322.000.
  - Tsubouchi, Kuniyoshi; Yoshida, Shohei; Namura, Kiyoshi; Okusawa, Tsutomu; and Arai, Akira, 4,822,250, Cl. 417-45.000.
- Yoshida, Shotaro: *See—*
  - Onishi, Akihumi; Hasegawa, Masakasu; Takaoka, Michio; Motai, Tsuneaki; Ono, Motoyuki; and Yoshida, Shotaro, 4,840,552, Cl. 425-72.100.
  - Sato, Takeo; Araki, Nobuhiro; Kawata, Koichi; Nomura, Noboru; Ueno, Atushi; and Yoshida, Shotaro, 4,861,148, Cl. 350-505.000.
- Yoshida, Shousei; Otani, Susumu; and Todoroki, Toshiya, to NEC Corporation. Carrier-to-noise detector for digital transmission systems. 4,835,790, 5-30-89, Cl. 375-10.000.
- Yoshida, Shuichi; Sawada, Eiji; and Jinno, Akio, to NGK Insulators, Ltd. Apparatus for melting waste. 4,816,228, 3-28-89, Cl. 422-159.000.
- Yoshida, Shuji: *See—*
  - Maehara, Masanori; Kumagai, Takao; Yoshida, Shuji; and Tsuyama, Manabu, 4,870,517, Cl. 360-96.500.
- Yoshida, Suguru: *See—*
  - Obata, Keiichi; Yoshida, Suguru; Saitoh, Masahiro; and Ono, Yoshinobu, 4,889,678, Cl. 264-313.000.
- Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, to Amada Company, Limited. Saw blade. 4,813,324, 3-21-89, Cl. 83-848.000.
- Yoshida, Sumio; Takegawa, Yoshikazu; Tsujimoto, Susumu; and Kawabata, Katsuhiko, to Amada Company, Limited. Saw blade. 4,827,822, 5-9-89, Cl. 83-835.000.
- Yoshida, Susumu; Takahashi, Hiroshi; Aoki, Hisashi; Kondow, Kiyohiro; and Mayuzumi, Tetsuya, to Fuji Photo Film Co., Ltd. Dry photosensitive lithographic plate comprising a silicon rubber layer containing an aromatic aminosilane. 4,826,752, 5-2-89, Cl. 430-155.000.
- Yoshida, Susumu; Nakagawa, Shizutoshi; Ushiroguchi, Tsuyoshi; Matsuura, Hiromichi; and Yazaki, Akira, to Wakunaga Seiyaku Kabushiki Kaisha. Antifungal agents. 4,876,281, 10-24-89, Cl. 514-517.000.
- Yoshida, Susumu: *See—*
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,807,252, Cl. 375-53.000.
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; and Ariyavisitakul, Sirikiat, 4,841,547, Cl. 375-53.000.
  - Ikegami, Fumio; Yoshida, Susumu; Takeuchi, Tsutomu; Ariyavisitakul, Sirikiat; and Sasada, Masaaki, 4,849,990, Cl. 375-40.000.
  - Morioka, Koji; and Yoshida, Susumu, 4,848,215, Cl. 98-115.200.
  - Ogawa, Hiroshi; and Yoshida, Susumu, 4,884,202, Cl. 364-424.010.
- Yoshida, Syotaroh: *See—*
  - Hasegawa, Masakazu; Takaoka, Michio; Yoshida, Syotaroh; and Akashi, Kazuya, 4,820,570, Cl. 428-140.000.
- Yoshida, Tadahiro, and Hatabe, Michinori, to Nitsuko Limited. Calling system for enabling speech transmission from a caller to a called busy party in a telephone system. 4,802,206, 1-31-89, Cl. 379-158.000.
- Yoshida, Tadahiro: *See—*
  - Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,853, Cl. 354-412.000.
  - Kikukawa, Yoshiiku; Nakasa, Masayuki; Yoshida, Tadahiro; Kitaura, Mashio; Nakai, Masaaki; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,878,751, Cl. 354-410.000.
  - Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,816,855, Cl. 354-415.000.
  - Kitaura, Mashio; Nakai, Masaaki; Yoshida, Tadahiro; Kikukawa, Yoshiiku; Omaki, Takanobu; and Taniguchi, Nobuyuki, 4,884,094, Cl. 354-412.000.
  - Saito, Mitsuru; Yoshida, Tadahiro; Morimoto, Yasuhiro; and Taniguchi, Nobuyuki, 4,814,811, Cl. 354-412.000.
- Yoshida, Tadao; and Kimura, Kaoru, to Toagosei Chemical Industry Co., Ltd. Phosphorsulfide derivatives of deoxynucleosides or deoxynucleotides and their uses. 4,808,708, 2-28-89, Cl. 536-27.000.
- Yoshida, Tadao: *See—*
  - Ando, Ryo; Yoshida, Tadao; Fujiie, Kazuhiko; and Yoshida, Toshio, 4,862,439, Cl. 369-30.000.
  - Fujiie, Kazuhiko; Yoshida, Tadao; and Ando, Ryo, 4,858,217, Cl. 369-59.000.
- Yoshida, Tadashi, to Canon Kabushiki Kaisha. Image forming apparatus having multiple image information inputs. 4,884,104, 11-28-89, Cl. 355-202.000.
- Yoshida, Tadashi: *See—*
  - Dei, Katsuhito; Mita, Yoshinobu; Yoshida, Tadashi; and Kawamura, Naoto, 4,805,013, Cl. 358-80.000.

Shimizu, Katsuichi; Shibata, Takehiko; Yokomizo, Yoshikazu; Suzuki, Akira; Murakami, Koichi; Yoshida, Tadashi; Tsukada, Masaharu; Nagashima, Nao; and Miyagi, Ken, 4,811,109, Cl. 358-256.000.

Yoshida, Tadatoki, to Kabushiki Kaisha Toshiba. Scattering beam eliminating device for x-ray CT apparatus. 4,866,744, 9-12-89, Cl. 378-7.000.

Yoshida, Tadatoki: *See*—
  Mori, Issei; and Yoshida, Tadatoki, 4,868,747, Cl. 364-413.180.

Yoshida, Takao, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle height adjustment device. 4,815,758, 3-28-89, Cl. 280-840.000.

Yoshida, Takao, to Honda Giken Kogyo Kabushiki Kaisha. Automotive wheel. 4,818,030, 4-4-89, Cl. 301-5.0VH.

Yoshida, Takashi, to Fuji Electric Corporate Research and Development, Ltd. Amorphous photoelectric converting device. 4,875,944, 10-24-89, Cl. 136-249.000.

Yoshida, Takashi: *See*—
  Atsumi, Kunio; Sakagami, Kenji; Yamamoto, Yuichi; Yoshida, Takashi; Nishihata, Ken; Kondo, Shinichi; and Fukatsu, Shunzo, 4,839,350, Cl. 514-202.000.
  Nakamura, Kousei; and Yoshida, Takashi, 4,804,872, Cl. 310-42.000.
  Osada, Masahiro; Tanuma, Toshihiko; Yoshida, Takashi; and Kobiyama, Hiroshi, 4,851,758, Cl. 322-63.000.
  Shibahara, Seiji; Okonogi, Tsuneo; Murai, Yasushi; Kudo, Toshiaki; Yoshida, Takashi; Nishihata, Ken; and Kondo, Shinichi, 4,810,702, Cl. 514-206.000.

Yoshida, Takayoshi: *See*—
  Tochinai, Chiaki; Kohara, Taosnao; Budo, Sadayoshi; Masuda, Hiroaki; and Yoshida, Takayoshi, 4,845,182, Cl. 525-89.000.

Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, to Mitsubishi Denki Kabushiki Kaisha. Heat exchanger tube for evaporation or condensation. 4,794,983, 1-3-89, Cl. 165-133.000.

Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, to Mitsubishi Denki Kabushiki Kaisha. Heat exchanger. 4,854,380, 8-8-89, Cl. 165-152.000.

Yoshida, Takayuki; Sakuma, Kiyoshi; Seshimo, Yu; and Hujii, Masao, to Mitsubishi Denki Kabushiki Kaisha. Heat exchanger. 4,869,316, 9-26-89, Cl. 165-151.000.

Yoshida, Takayuki; Fujii, Masao; and Sakuma, Kiyoshi, to Mitsubishi Denki Kabushiki Kaisha. Heat exchanger tube for evaporation or condensation. 4,880,054, 11-14-89, Cl. 165-133.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Image transmitting system having density selection. 4,814,894, 3-21-89, Cl. 358-298.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Communication apparatus recognizing speech and automatically switching from data to speech transmission. 4,815,121, 3-21-89, Cl. 379-67.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Data communication apparatus capable of disabling an output component when output of a type provided by that component is unnecessary. 4,823,375, 4-18-89, Cl. 379-100.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Data communication apparatus. 4,829,524, 5-9-89, Cl. 371-32.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Data communication apparatus for transmission with variable format. 4,849,816, 7-18-89, Cl. 358-434.000.

Yoshida, Takehiro, to Canon Kabushiki Kaisha. Method and apparatus for data communication. 4,885,755, 12-5-89, Cl. 375-58.000.

Yoshida, Takehiro: *See*—
  Asaumi, Hiroshi; Shimura, Zenji; Yoshida, Takehiro; Tadakuma, Kenji; Suzuki, Shinzaburo; Takada, Norio; Nakamura, Kenichi; and Hirai, Takene, 4,839,221, Cl. 428-283.000.

Yoshida, Takenobu: *See*—
  Takeuchi, Hitoshi; Yamada, Naoki; Takata, Hideyuki; Oishi, Syogo; Yoshida, Takenobu; and Moritani, Michitaka, 4,813,603, Cl. 239-113.000.

Yoshida, Takeo: *See*—
  Itoh, Kunio; Takahashi, Masaharu; Takita, Kenichi; and Yoshida, Takeo, 4,814,408, Cl. 528-24.000.
  Takahashi, Masaharu; Take, Keiji; and Yoshida, Takeo, 4,810,564, Cl. 428-213.000.
  Takahashi, Masaharu; and Yoshida, Takeo, 4,888,374, Cl. 524-227.000.

Yoshida, Takeshi; Takizawa, Yoshio; and Sekine, Ichiro, to Mitsubishi Metal Corporation of Tokyo. Corrosion-resistant nickel-base alloy having high resistance to stress corrosion cracking. 4,861,550, 8-29-89, Cl. 420-460.000.

Yoshida, Takeshi: *See*—
  Ogura, Mitsuru; Yoshida, Takeshi; and Yoshiura, Shoichiro, 4,803,512, Cl. 355-3.0CH.

Yoshida, Takuji, to Oki Electric Industry Co., Ltd. Voltage level detecting circuit having a level converter. 4,873,458, 10-10-89, Cl. 307-362.000.

Yoshida, Takumi: *See*—
  Kawai, Kenji; Ohtorii, Masakzu; Ueyama, Tsutomu; and Yoshida, Takumi, 4,847,634, Cl. 346-136.000.
  Sano, Tetsuo; Hohki, Tetsuo; Kodama, Eiji; Yoshida, Takumi; Kawatani, Masafumi; and Tsujinaka, Hisayuki, 4,799,175, Cl. 364-552.000.

Yoshida, Tamio: *See*—
  Shimizu, Chiyuki; and Yoshida, Tamio, 4,847,357, Cl. 528-374.000.
  Shimizu, Chiyuki; and Yoshida, Tamio, 4,873,272, Cl. 523-212.000.

Yoshida, Tekehiro, to Canon Kabushiki Kaisha. Image readout apparatus. 4,870,501, 9-26-89, Cl. 358-284.000.

Yoshida, Teruo: *See*—
  Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,821,385, Cl. 29-148.40A.
  Ueno, Hiroshi; Satomi, Tomoaki; and Yoshida, Teruo, 4,872,771, Cl. 384-492.000.

Yoshida, Teruyuki: *See*—
  Fujiwara, Jiro; Chino, Hisayoshi; Yoshida, Teruyuki; Takayama, Jun; Tachi, Katsuichi; and Suzuki, Hideto, 4,814,902, Cl. 360-33.100.

Yoshida, Tetsuo; and Heki, Tatsuo, to Fuji Photo Film Co., Ltd. Direct positive photo-sensitive materials. 4,857,445, 8-15-89, Cl. 430-509.000.

Yoshida, Tetsuo: *See*—
  Sasaoka, Senzo; Yoshida, Tetsuo; and Inoue, Nobuaki, 4,873,171, Cl. 430-964.000.

Yoshida, Tetsushi, to Casio Computer Co., Ltd. Liquid crystal composition. 4,874,543, 10-17-89, Cl. 252-299.610.

Yoshida, Tohru: *See*—
  Imamura, Jiro; Wakai, Katsuro; and Yoshida, Tohru, 4,833,598, Cl. 364-200.000.

Yoshida, Tokuichiro. Safety chamber for an airplane. 4,821,984, 4-18-89, Cl. 244-141.000.

Yoshida, Tomiharu: *See*—
  Senoh, Makoto; Tomizawa, Fumio; Sekido, Akihito; Suzuki, Masanori; Sugiyama, Sakae; and Yoshida, Tomiharu, 4,811,24 Cl. 364-513.000.

Yoshida, Tomio: *See*—
  Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,855,355, Cl. 525-64.000.
  Hirai, Mikio; Tatsuda, Tokuo; and Yoshida, Tomio, 4,880,874, Cl. 525-67.000.
  Kubota, Shinji; Hirosawa, Kazutoyo; and Yoshida, Tom 4,841,512, Cl. 369-54.000.

Yoshida, Tomoaki: *See*—
  Tanagawa, Kouji; and Yoshida, Tomoaki, 4,875,156, Cl. 364-200.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Method for the formation of a diffraction grating. 4,806,454, 2-21-89, Cl. 430-321.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; and Kaneiwa, Shinji, to Sharp Kabushiki Kaisha. Optical device. 4,820,019, 4-11-89, Cl. 350-163.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Buried type semiconductor laser device. 4,839,900, 6-13-89, Cl. 372-46.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Matsui, Sadayoshi, to Sharp Kabushiki Kaisha. Buried type semiconductor laser device. 4,841,534, 6-20-89, Cl. 372-46.000.

Yoshida, Toshihiko; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Kudo, Hiroaki, to Sharp Kabushiki Kaisha. Distributed feedback semiconductor laser device. 4,849,985, 7-18-89, Cl. 372-96.000.

Yoshida, Toshihiko: *See*—
  Kaneiwa, Shinji; Takiguchi, Haruhisa; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,799,227, Cl. 372-46.000.
  Kudo, Hiroaki; Takiguchi, Haruhisa; Kaneiwa, Shinji; and Yoshida, Toshihiko, 4,805,183, Cl. 372-96.000.
  Matsumura, Mitsuo; and Yoshida, Toshihiko, 4,873,115, Cl. 427-34.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,803,690, Cl. 372-45.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Yoshida, Toshihiko; and Matsui, Sadayoshi, 4,819,240, Cl. 372-26.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; and Yoshida, Toshihiko, 4,852,116, Cl. 372-96.000.
  Takiguchi, Haruhisa; Kaneiwa, Shinji; Kudo, Hiroaki; Sato, Chitose; and Yoshida, Toshihiko, 4,862,472, Cl. 372-45.000.
  Tanaka, Nobuo; Tominaga, Satoshi; Okada, Hisao; and Yoshida, Toshihiko, 4,813,069, Cl. 379-82.000.
  Yamamoto, Osamu; and Yoshida, Toshihiko, 4,852,961, Cl. 350-96.190.

Yoshida, Toshiki, to Nissho Corporation. Injection needle-detaching device. 4,875,265, 10-24-89, Cl. 29-240.000.

Yoshida, Toshimi: *See*—
  Takase, Iwao; Inagaki, Masahisa; Kanno, Masayoshi; Yoshida, Toshimi; Kuniya, Jiro; Masaoka, Isao; Yasuda, Tetsuo; Umetani, Hajime; and Maki, Hideo, 4,842,814, Cl. 376-438.000.

Yoshida, Toshio: *See*—
  Ando, Ryo; Yoshida, Tadao; Fujiie, Kazuhiko; and Yoshida, Toshio, 4,862,439, Cl. 369-30.000.
  Kuroki, Takanori; and Yoshida, Toshio, 4,795,078, Cl. 228-131.000.
  Mochida, Mitsuyoshi; Maekawa, Tokuo; Takei, Hisashi; Matsumoto, Yasuo; Ohmura, Hiroshi; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,884,087, Cl. 354-75.000.
  Ohmura, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,812,863, Cl. 354-219.000.
  Ohmura, Hiroshi; Matsumoto, Yasuo; Sugimoto, Shigeru; Ushiro, Seimei; Asano, Seiji; and Yoshida, Toshio, 4,833,495, Cl. 354-212.000.
  Ohmura, Hiroshi; Ushiro, Seimei; Hara, Hiroshi; Asano, Seiji; and Yoshida, Toshio, 4,855,774, Cl. 354-203.000.
  Takei, Hisashi; Ohmura, Hiroshi; Ushiro, Seimei; Mochida, Mitsuyoshi; Nakamura, Yoshihiko; Asano, Seiji; and Yoshida, Toshio, 4,890,130, Cl. 354-288.000.

Yoshida, Toyohiko; and Ueda, Tatsuya, to Mitsubishi Denki Kabushiki Kaisha. MOS transistor circuit. 4,802,112, 1-31-89, Cl. 364-784.000.

Yoshida, Toyohiko: *See*—
  Matsuo, Masahito; and Yoshida, Toyohiko, 4,796,175, Cl. 364-200.000.
  Matsuo, Masahito; and Yoshida, Toyohiko, 4,847,753, Cl. 364-200.000.
  Matsuo, Masahito; and Yoshida, Toyohiko, 4,858,104, Cl. 364-200.000.
  Yamada, Akira; Yoshida, Toyohiko; and Nakagawa, Hiromasa, 4,807,176, Cl. 364-786.000.

Yoshida, Tsukasa; Ishige, Yoshio; Matsudaira, Masaki; and Takahashi, Tadashi, to Sanmatsu Kogyo Kabushiki Kaisha. Branched dextrin production and compositions containing same. 4,840,807, 6-20-89, Cl. 426-48.000.

Yoshida, Tsuneo: *See*—
  Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, 4,810,301, Cl. 106-287.240.

Yoshida, Tsunezo: *See*—
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Hayashi, Koji; Ikeguchi, Masahiko; and Yoshida, Tsunezo, 4,822,402, Cl. 71-90.000.
  Kimura, Fumio; Haga, Takahiro; Maeda, Kazuyuki; Shimoharada, Hiroshi; Yoshida, Tsunezo; and Ikeguchi, Masahiko, 4,835,282, Cl. 548-213.000.

Yoshida, Unkichi: *See*—
  Ichikawa, Shinichi; Yoshida, Unkichi; Matsushima, Yoshihisa; and Hashimoto, Hisatake, 4,839,029, Cl. 208-251.00R.

Yoshida, Yashutoshi: *See*—
  Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Kaneda, Setsuo; and Yoshida, Yashutoshi, 4,796,439, Cl. 62-159.000.
  Yamada, Tetsuo; Inoue, Yoshinori; Miura, Sinji; Endo, Masao; Fukunaga, Tadahiro; Yoshida, Yashutoshi; and Kaneda, Setsuo, 4,843,832, Cl. 62-159.000.

Yoshida, Yasuaki, to Mitsubishi Denki Kabushiki Kaisha. Infrared ray detector. 4,880,979, 11-14-89, Cl. 250-338.400.

Yoshida, Yasuharu, to NEC Corporation. Clock synchronizing circuit including a voltage controlled oscillator. 4,799,240, 1-17-89, Cl. 375-110.000.

Yoshida, Yasuharu, to NEC Corporation. Interference immune digital modulation receiver. 4,823,361, 4-18-89, Cl. 375-102.000.

Yoshida, Yasuharu, to NEC Corporation. Phase-locked clock regeneration circuit for digital transmission systems. 4,823,363, 4-18-89, Cl. 375-120.000.

Yoshida, Yasuharu, to NEC Corporation. Automatic level control circuit for an ad convertor. 4,875,049, 10-17-89, Cl. 341-159.000.

Yoshida, Yasuhiko; Honda, Masahiro; and Takizawa, Shozo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Rear-wheel steering apparatus. 4,811,805, 3-14-89, Cl. 180-140.000.

Yoshida, Yasuhiko: *See*—
  Ishikawa, Takayoshi; and Yoshida, Yasuhiko, 4,795,990, Cl. 333-176.000.

Yoshida, Yasunari: *See*—
  Karube, Yoshiyuki; Hayakawa, Toshimasa; and Yoshida, Yasunari, 4,875,790, Cl. 400-605.000.

Yoshida, Yasunobu. Method and apparatus for purifying air and water. 4,865,749, 9-12-89, Cl. 210-742.000.

Yoshida, Yasunori: *See*—
  Nakayama, Rinichi; Yoshida, Yasunori; and Iwama, Satoshi, 4,840,988, Cl. 524-476.000.

Yoshida, Yasuo; and Kimura, Yoshikazu, to Ihara Chemical Industry Co., Ltd. Process for producing fluorobenzaldehydes. 4,845,304, 7-4-89, Cl. 568-433.000.

Yoshida, Yasuo: *See*—
  Kashima, Yoshio; Kinugasa, Hirofumi; Yoshida, Yasuo; and Iwanaga, Teruo, 4,817,447, Cl. 73-865.600.

Yoshida, Yasushi; Oomori, Nobuyoshi; Hyodo, Kaneaki; Atarashiya, Kenji; Shiraishi, Norihisa; and Hashime, Toshiyuki, to Nihon Nensho System Kabushiki Kaisha; Mitsubishi Jukogyo Kabushiki Kaisha; and Kawasaki Seitetsu Kabushiki Kaisha. Radiant tube burner. 4,813,867, 3-21-89, Cl. 431-353.000.

Yoshida, Yoshihiro: *See*—
  Hayashi, Tsutomu; Ito, Kazuhito; Yoshida, Yoshihiro; and Saito, Mitsuru, 4,845,951, Cl. 60-488.000.
  Hayashi, Tsutomu; Katoh, Masaie; Yakigaya, Nobuyuki; Nakamura, Kazuhiko; Yoshida, Yoshihiro; Nakajima, Yoshihiro; Saito, Mitsuru; and Kobayashi, Akio, 4,875,390, Cl. 74-731.000.
  Tanaka, Tatsuo; and Yoshida, Yoshihiro, 4,857,864, Cl. 330-288.000.

Yoshida, Yoshikazu, to Matsushita Electric Industrial Co., Ltd. Metal ion source. 4,846,953, 7-11-89, Cl. 204-298.000.

Yoshida, Yoshimasa, to K. K. Nakatani. Suspended cylindrical belt conveyor system. 4,850,476, 7-25-89, Cl. 198-819.000.

Yoshida, Yoshinori: *See*—
  Kobayashi, Yoshinori; Tamura, Naoyuki; Sakai, Takanobu; and Yoshida, Yoshinori, 4,810,556, Cl. 428-152.000.
  Tsuruki, Kazuo; Yoshida, Yoshinori; Ishizuka, Toshio; and Anezaki, Mitsugu, 4,827,473, Cl. 370-60.000.

Yoshida, Yoshio: *See*—
  Ogata, Nobuo; Nakata, Yasuo; Satou, Hideaki; Tanaka, Toshiyuki; Minami, Etsuji; Yoshida, Yoshio; Kurata, Yukio; and Inoue, Teruaki, deceased, 4,812,638, Cl. 250-201.000.

Yoshida, Yoshiyuki; Onozuka, Kazutaka; Ohashi, Yoshihiko; Tsuji, Toshihide; Miyazaki, Kensuke; and Koyama, Yoshio, to Hochiki Corp.; and Kabushiki Kaisha Takenata Komuten. Discharge pipe and discharge apparatus using the same. 4,801,090, 1-31-89, Cl. 239-290.000.

Yoshida, Yosuke: *See*—
  Asano, Kazuhiro; Yoshida, Yosuke; Fujioka, Yoichi; Takazawa, Kazuhisa; Ishizaki, Masao; Sakami, Yasuo; and Tsubouchi, Junichi, 4,853,682, Cl. 340-706.000.

Yoshida, Yozo: *See*—
  Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, 4,816,308, Cl. 428-36.700.
  Shimizu, Senzo; Momose, Yoshiaki; and Yoshida, Yozo, 4,868,026, Cl. 428-36.700.

Yoshida, Yuichi: *See*—
  Sobata, Tamotsu; Takimoto, Masaaki; and Yoshida, Yuichi, 4,853,285, Cl. 428-336.000.

Yoshida, Yuji: *See*—
  Haruna, Toshiyuki; Nishimura, Kenji; Yoshida, Yuji; Takahashi, Kiyotaka; Hirose, Tsureo; Tsuneta, Katsuhiro; Nakano, Riichi; Takahashi, Kazuto; Kurano, Akira; and Ichiba, Tadayuki, 4,803,572, Cl. 360-60.000.
  Ikoma, Mitsuhiro; Nakatani, Kazuo; Yoshida, Yuji; Tomizawa, Takeshi; and Arita, Koji, 4,840,042, Cl. 62-324.100.

Yoshida, Zenichi; Kato, Susumu; and Amemiya, Yashuhiro, to Asahi Chemical Company, Ltd; and Yoshida, Zenichi. Process for producing alkylcyclopentadiene derivatives. 4,814,532, 3-21-89, Cl. 585-357.000.

Yoshido Kogyo K.K.: *See*—
  Ogura, Toyosaku, 4,863,551, Cl. 156-378.000.

Yoshie, Koichi: *See*—
  Yamauchi, Nobuhiro; and Yoshie, Koichi, 4,848,733, Cl. 254-126.000.

Yoshie, Tatsuya: *See*—
  Sakaue, Tatsuo; and Yoshie, Tatsuya, 4,809,307, Cl. 377-60.000.

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  Kobayashi, Setsuo; Nakazawa, Tsugio; Yoshie, Yasumasa; Abiko, Yasushi; and Kameda, Kinya, 4,874,772, Cl. 514-341.000.

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  Yoshigai, Kenichi, 4,823,918, Cl. 188-24.190.
  Yoshigai, Kenichi, 4,838,386, Cl. 188-24.120.
  Yoshigai, Kenichi, 4,838,387, Cl. 188-24.210.

Yoshigi, Hiroshi: *See*—
  Fukinuki, Takahiko; Hirano, Yasuhiro; Yoshigi, Hiroshi; and Jusa, Hidehiko, 4,885,631, Cl. 358-21.00R.

Yoshigi, Mayumi: *See*—
  Antoku, Fujio; Yoshigi, Mayumi; Saji, Ikutaro; Kojima, Atsuyuki; and Ishizumi, Kukuo, 4,812,461, Cl. 514-278.000.

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Yoshihara, Ikuo: *See*—
  Ohata, Hideo; Yoshihara, Ikuo; Takahashi, Yasuyuki; and Ishida, Masahiro, 4,817,032, Cl. 364-900.000.

Yoshihara, Junji: *See*—
  Imahori, Seiichi; Himeno, Kiyoshi; and Yoshihara, Junji, 4,841,036, Cl. 534-761.000.

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  Shimo, Nobuo; Yoshihara, Keitaro; and Nakashima, Nobuaki, 4,844,736, Cl. 75-0.50B.

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  Hibino, Chitoshi; Arimoto, Atsushi; and Yoshihara, Kenji, 4,853,876, Cl. 64-518.000.

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  Hirashiba, Yuji; and Yoshihara, Mikio, 4,829,606, Cl. 4-420.400.

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  Yonezawa, Yasuo; Matsushita, Masao; Oku, Kenzo; Nakano, Hiroki; Okumura, Shinichi; Yoshihara, Motoshi; Sakai, Akiyoshi; and Morikawa, Atsushi, 4,881,376, Cl. 62-106.000.

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Daikichi; Yoshihara, Noriyuki; Yamada, Yoshikazu; and Kunii, Koushiro, 4,838,914, Cl. 65-2.000.

Yoshihara, Toshiaki: *See—*
  Yamagishi, Yasuo; Mochizuki, Akihiro; Iwasaki, Masayuki; Yoshihara, Toshiaki; and Onda, Fumiyo, 4,832,461, Cl. 350-347.00E.

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  Akiyama, Yoshinobu; Yoshihashi, Sakashi; and Sakauchi, Iwao, 4,880,659, Cl. 426-656.000.

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  Noda, Tomohiko; and Yoshihisa, Youetsu, 4,844,995, Cl. 429-189.000.

Yoshii, Akio: *See—*
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Yoshii, Fumihiko: *See—*
  Wachi, Shigeaki; Ito, Akashi; and Yoshii, Fumihiko, 4,820,940, Cl. 307-270.000.

Yoshii, Gen: *See—*
  Ohtsuki, Kazuhiko; Yoshii, Gen; and Okanishi, Toshiaki, 4,869,353, Cl. 192-53.00F.
  Yano, Kazuhiko; Ohtsuki, Kazuhiko; and Yoshii, Gen, 4,838,105, Cl. 74-377.000.

Yoshii, Masaki: *See—*
  Murakoshi, Takeo; Yoshii, Masaki; Tohyama, Shigeo; Minakawa, Sadao; and Kaneda, Aizo, 4,810,089, Cl. 356-35.000.

Yoshii, Minoru; Nose, Noriyuki; Niwa, Yukichi; and Okada, Yoshimichi, to Canon Kabushiki Kaisha. Phase shift measuring apparatus utilizing optical meterodyne techniques. 4,842,408, 6-27-89, Cl. 356-349.000.

Yoshii, Minoru: *See—*
  Baba, Takashi; Niwa, Yukichi; Yoshii, Minoru; and Watanabe, Takako, 4,804,831, Cl. 250-201.000.

Yoshii, Orio: *See—*
  Sogami, Atsushi; Katakabe, Noboru; Sano, Tetsuhiro; and Yoshii, Orio, 4,810,111, Cl. 400-120.000.

Yoshii, Shintaro: *See—*
  Hiratsuka, Hachiro; Matsushita, Yoshiaki; and Yoshii, Shintaro, 4,837,610, Cl. 357-52.000.

Yoshii, Shizuka: *See—*
  Inoue, Kazuo; Yoshikiyo, Motozo; Yoshii, Shizuka; and Okamoto, Iwao, 4,814,239, Cl. 428-694.000.

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  Horii, Yasuyuki; and Yoshii, Takashi, 4,794,807, Cl. 74-15.840.

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Yoshiji, Takeo: *See—*
  Hironaka, Masakazu; Yoshiji, Takeo; Kaneko, Daizo; Shibazaki, Mizuo; and Kurata, Sumio, 4,850,102, Cl. 29-787.000.
  Kuwabara, Takasi; Yoshiji, Takeo; and Tegawa, Masao, 4,872,417, Cl. 118-411.000.

Yoshikane, Tetsuo: *See—*
  Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,802,155, Cl. 369-77.200.
  Kawamura, Ichiro; Fujioka, Yoshitaka; Yoshikane, Tetsuo; and Okuno, Noboru, 4,807,216, Cl. 369-77.200.

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  Uchida, Shinya; Hirata, Akira; Ebihara, Hideyuki; Yoshikawa, Eiichi; Sano, Eisaku; and Uehara, Kazuhiro, 4,854,452, Cl. 209-534.000.

Yoshikawa, Eiji: *See—*
  Matsuda, Tomoo; Hosoi, Mitsuo; Nishi, Yohkichi; and Yoshikawa, Eiji, 4,866,617, Cl. 364-424.020.

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  Yagi, Shizuo; Hirosawa, Yoshiaki; Kawai, Makoto; Yamamoto, Yorihisa; Yoshikawa, Haruhiko; and Nakamura, Kenichi, 4,846,128, Cl. 123-425.000.

Yoshikawa, Hirokazu: *See—*
  Tonoe, Nobuyuki; and Yoshikawa, Hirokazu, 4,805,522, Cl. 98-2.070.
  Urushiwara, Hisashi; Iwamaru, Tugiyasu; Kazehara, Kenya; Watanabe, Osamu; Sawada, Kenichi; Sato, Kiyoshi; Yoshikawa, Hirokazu; Ikenari, Shigeru; Yokoyama, Kenichi; and Uetani, Yoshio, 4,842,965, Cl. 429-56.000.

Yoshikawa, Hiroki: *See—*
  Fukuda, Kyohei; Yoshikawa, Hiroki; Mori, Shigeru; Hirata, Koji; and Sakurai, Soichi, 4,824,224, Cl. 350-432.000.

Yoshikawa, Hiromichi; and Misumi, Teruyuki, to Asahi Kasei Kogyo Kabushiki Kaisha. Phosphonamidothionate derivatives and their use as pesticides. 4,885,286, 12-5-89, Cl. 514-120.000.

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Yoshikawa, Kikuo: *See—*
  Kanai, Takao; Yamaguchi, Katsumi; Kinoshita, Shigeo; Yoshikawa, Kikuo; and Yokoi, Syouichiro, 4,835,636, C 360-96.500.
  Kinoshita, Shigeo; Yamaguchi, Katsumi; Yoshikawa, Kikuo; Kanai, Takao; and Yokoi, Syouichiro, 4,828,158, Cl. 226-182.000.
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Yoshikawa, Kunihiko: *See—*
  Masuyama, Fujimitsu; Daikoku, Takashi; Haneda, Hisao; Yoshikawa, Kunihiko; Teranishi, Hiroshi; and Iseda, Atsu 4,799,972, Cl. 148-14.000.
  Sawaragi, Yoshiatsu; Yoshikawa, Kunihiko; and Teranishi, Hiroshi 4,842,823, Cl. 420-584.000.

Yoshikawa, Kuniyoshi, to Kabushiki Kaisha Toshiba. Semiconductor device. 4,881,108, 11-14-89, Cl. 357-23.500.

Yoshikawa, Kuniyoshi, to Kabushiki Kaisha Toshiba. Method for isolating a semiconductor element. 4,885,261, 12-5-89, C 437-228.000.

Yoshikawa, Kuniyuki: *See—*
  Kano, Yukio; Yoshikawa, Kuniyuki; Kishida, Hideaki; Ito, Hiroshi and Maeda, Mitsutoshi, 4,839,525, Cl. 250-560.000.

Yoshikawa, Masanori; and Watanabe, Shuichi, to Matsushita Electric Industrial Co., Ltd. Thermal copying apparatus. 4,841,154, 6-20-89 Cl. 250-317.100.

Yoshikawa, Masao; Kobayashi, Tatsuya; and Saito, Takashi, to Canon Kabushiki Kaisha. Electrophotographic apparatus capable of forming images in different colors. 4,831,408, 5-16-89, Cl. 346-157.000.

Yoshikawa, Masao; and Nakahata, Kimio, to Canon Kabushiki Kaisha Magnet roll developing apparatus. 4,872,41 10-10-89, C 118-657.000.

Yoshikawa, Masao; and Kobayashi, Tatuya, to Canon Kabushiki Kaisha. Image forming apparatus. 4,887,102, 12-12-89, Cl. 346-157.000

Yoshikawa, Masao: *See—*
  Suzuki, Tetsuro; Yoshikawa, Masao; and Kojima, Akio, 4,874,4 Cl. 204-59.00R.

Yoshikawa, Masataka: *See—*
  Kurokawa, Yuji; Yoshikawa, Masataka; Kato, Takao; Kikukawa Hiroyuki; and Muto, Yukiyoshi, 4,804,280, Cl. 400-17.000

Yoshikawa, Masato; Fukuura, Yukio; Akiyama, Setsuo; Nakamura Makoto; Naito, Kazuo; and Honda, Toshio, to Bridgestone Corporation. Method for making rubbery composite materials by plating metal substrate with a cobalt alloy. 4,872,932, 10-10-89, C 156-151.000.

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Yoshikawa, Masato: *See—*
  Onoe, Akira; Kawamura, Masao; Kato, Kunioki; Yoshikawa Masato; and Kagano, Hirokazu, 4,849,138, Cl. 562-125.000

Yoshikawa, Mitsuhiko: *See—*
  Kira, Toru; Miyauchi, Teiichi; Nakai, Kiyohito; Shiba, Kengo; and Yoshikawa, Mitsuhiko, 4,803,581, Cl. 360-113.000.
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Komoda, Tomohisa; Ishizuka, Mamoru; Tsuchimoto, Shuhei; and Yoshikawa, Mitsuhiko, 4,824,539, Cl. 204-192.200.

Yoshikawa, Nobuji: *See—*
  Imada, Yukio; Yoshikawa, Nobuji; Mizuno, Sumiko; and Mikawa, Takashi, 4,871,667, Cl. 435-142.000.

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Yoshikawa, Seiji: *See—*
  Tsujimura, Masao; Hirooka, Masamichi; Ishikawa, Kazuo; Morooka, Takayoshi; Noda, Masaki; Akiyama, Mamoru; Murai, Nobuaki; and Yoshikawa, Seiji, 4,853,731, Cl. 354-400.000.

Yoshikawa, Shizuo: *See—*
  Itoh, Tetsuya; Iwai, Shougo; and Yoshikawa, Shizuo, 4,817,877, Cl. 241-34.000.

Yoshikawa, Shoji, to Olympus Optical Co., Ltd. Optical recording/reproducing apparatus. 4,797,866, 1-10-89, Cl. 369-43.000.

Yoshikawa, Shokichiro: *See—*
  Yatsuda, Hiromi; Takeuchi, Yoshihiko; Kohda, Toichi; and Yoshikawa, Shokichiro, 4,878,036, Cl. 333-195.000.

Yoshikawa, Shozi, to Olympus Optical Company Limited. Optical information recording reproducing memory system with both power control and optical irradiation inhibiting circuit. 4,858,219, 8-15-89, Cl. 369-116.000.

Yoshikawa, Sumio, to Fuji Photo Film Co., Ltd. Image recording apparatus. 4,825,074, 4-25-89, Cl. 250-317.100.

Yoshikawa, Sumio: *See—*
  Shimizu, Masayuki; and Yoshikawa, Sumio, 4,800,275, Cl. 250-317.100.

Yoshikawa, Takashi: *See—*
  Teteishi, Iwao; Ogura, Yoshiyuki; Hashimoto, Takeshi; Ritou, Tuguyoshi; Kajiyama, Katsufumi; Shimizu, Fumiaki; Tanaka, Kenji; Aibara, Yutaka; Kataoka, Hiroaki; Nakai, Katsuya; Yoshikawa, Takashi; Kanamori, Masaaki; Miyajima, Masao; Seki, Shuzo; and Takahashi, Sadanobu, 4,860,523, Cl. 53-512.000.

Yoshikawa, Takeshi: *See—*
  Hanada, Koji; Sawamura, Masashi; Yoshikawa, Takeshi; Nihashi, Hiroyuki; and Tanaka, Tsuneo, 4,877,681, Cl. 428-336.000.

Yoshikawa, Toshio, to NEC Corporation. Transmission system for transmitting multifrequency signals or modem signals with speech signals. 4,876,696, 10-24-89, Cl. 375-5.000.

Yoshikawa, Wataru: *See—*
  Kurita, Kazuo; Hayashi, Masahiro; Ohta, Toshihiko; Ishihara, Hideaki; Okada, Fujio; Yoshikawa, Wataru; China, Akira; and Tate, Susumu, 4,851,508, Cl. 528-272.000.

Yoshikawa, Yasuhiro: *See—*
  Ueyama, Shinichiro; Yoshikawa, Yasuhiro; and Okamoto, Tetsuhiko, 4,880,905, Cl. 528-399.000.

Yoshikawa, Yukihiro: *See—*
  Haruyama, Tetsuo; Shiramatsu, Kuniaki; Udagawa, Shigeo; and Yoshikawa, Yukihiro, 4,835,540, Cl. 343-700.0MS

Yoshikazu, Nagata: *See—*
  Eizo, Naya; Yoshikazu, Nagata; Toshiaki, Horiuchi; Mitsuhiro, Okumura; Michinosuke, Demizu; Mitsuhiro, Harima; Shigeki, Asakawa; and Masuo, Asakawa, 4,853,184, Cl. 420-489.000.

Yoshiki, Fujioka; Shinichi, Kouno; and Tatsuo, Shinohara, to Fanuc Ltd. Three-phase induction motor control method. 4,823,066, 4-18-89, Cl. 318-798.000.

Yoshiki, Naokazu: *See—*
  Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,824,530, Cl. 204-26.000.
  Masuda, Yasuo; Takahashi, Tsutomu; Takizawa, Yoshio; and Yoshiki, Naokazu, 4,826,578, Cl. 204-26.000.
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Yoshikiyo, Motozo: *See—*
  Inoue, Kazuo; Yoshikiyo, Motozo; Yoshii, Shizuka; and Okamoto, Iwao, 4,814,239, Cl. 428-694.000.

Yoshikumi, Chikao; Ohmura, Yoshio; Hirose, Fumio; Ikuzawa, Masanori; Matsunaga, Kenichi; Fujii, Takayoshi; Ohara, Minoru; and Ando, Takao, to Kureha Kagaku Kogyo Kabushiki Kaisha. Pharmaceutical composition containing para-amino-benzoic acid-N-D-xyloside as an active ingredient. 4,801,581, 1-31-89, Cl. 514-42.000.

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Yoshikumi, Chikao: *See—*
  Ikuzawa, Masanori; Oguchi, Yoshiharu; Matsunaga, Kenichi; Toyoda, Noriyuki; Furusho, Takao; Fujii, Takayoshi; and Yoshikumi, Chikao, 4,820,689, Cl. 514-8.000.
  Ueno, Saburo; Yoshikumi, Chikao; Omura, Yoshio; Fujii, Takayoshi; Wada, Toshihiko; Takahashi, Eiichi; and Hirose, Fumio, 4,851,395, Cl. 514-54.000.
  Yamato, Hideyuki; Maeda, Yuji; Fujii, Takayoshi; Kobayashi, Yasuhiko; Saito, Kenichi; Hirose, Fumio; Kato, Tadaaki; and Yoshikumi, Chikao, 4,866,047, Cl. 514-167.000.

Yoshikuni, Yoshiaki; Chokai, Shoichi; Ozaki, Takayuki; Yoshida, Hirotsugu; Tanaka, Haruo; and Segawa, Jun, to Nippon Shinyaku Co., Ltd. Benzoic acid derivatives. 4,831,055, 5-16-89, Cl. 514-539.000.

Yoshikuni, Yoshiaki: *See—*
  Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; and Fujita, Yukio, 4,855,415, Cl. 536-17.400.
  Sugiyama, Makoto; Ezure, Yoji; Yoshikuni, Yoshiaki; Ozaki, Takayuki; and Ojima, Nobutoshi, 4,859,767, Cl. 536-17.400.

Yoshikuni, Yuzo: *See—*
  Oe, Kunishige; Kawaguchi, Hitoshi; and Yoshikuni, Yuzo, 4,856,005, Cl. 372-20.000.

Yoshikura, Takashi: *See—*
  Matsushita, Kunitake; Sakuma, Hiroshi; Yamawaki, Takayuki; Yoshikura, Takashi; Sano, Hiroshi; Suzuki, Yuzuru; Torii, Michihiro; and Ohnuki, Tohru, 4,841,190, Cl. 310-257.000.

Yoshimaru, Tomohisa; and Kajitani, Seinosuke, to Kabushiki Kaisha Toshiba. Image information processing apparatus. 4,888,751, 12-19-89, Cl. 369-36.000.

Yoshimatsu, Tatsuhiko: *See—*
  Karakawa, Koichi; Yoshimatsu, Tatsuhiko; Tsuchimoto, Hideyuki; and Hiwatashi, Katsumi, 4,852,484, Cl. 101-170.000.

Yoshimatsu, Toshikane; Hagiwara, Yoshiki; Tsuji, Yoshikazu; and Momata, Kazuhiro, to Hitachi, Ltd. Multi-element magnetic head and method of fabricating the same. 4,843,486, 6-27-89, Cl. 360-121.000.

Yoshimi, Fuminobu: *See—*
  Tamatani, Hiroaki; Takahashi, Kazuo; Sato, Kazuo; Mizushima, Kiyoshi; Yoshimi, Fuminobu; and Morita, Sohei, 4,865,852, Cl. 426-2.000.

Yoshimi, Ishikawa, to Honda Giken Kogyo Kabushiki Kaisha. Rear wheel holding mechanism for a motorcycle. 4,889,205, 12-26-89, Cl. 180-227.000.

Yoshimi, Keiichi; Goto, Shigeo; and Asazuma, Masaaki, to Mitsuboshi Belting Ltd. Method of fabricating a double-toothed belt. 4,861,403, 8-29-89, Cl. 156-138.000.

Yoshimi, Satoshi; Matsuoka, Akira; and Asano, Kazuhiko, to Daiken Trade & Industry Co., Ltd. Hygroscopic composite material. 4,818,602, 4-4-89, Cl. 428-304.400.

Yoshimi, Satoshi; and Koga, Youichiro, to Daiken Trade & Industry Co., Ltd. Floor panel for floating floor. 4,860,506, 8-29-89, Cl. 52-144.000.

Yoshimi, Satoshi; and Koga, Yoichiro, to Daiken Trade & Industry Co., Ltd. Floating floor. 4,888,927, 12-26-89, Cl. 52-303.000.

Yoshimi, Takaharu: *See—*
  Hosokawa, Takeshi; Yabuya, Shigeru; Ito, Keizo; Nagano, Akiyoshi; Yoshimi, Takaharu; and Sakaida, Shoji, 4,816,313, Cl. 428-90.000.

Yoshimi, Toshikazu: *See—*
  Kunugi, Yoshiro; Tokumo, Akio; Yoshimi, Toshikazu; Sasaki, Yoshio; Kato, Shinjiro; Mori, Shuuichi; Odaka, Makoto; and Sato, Takeshi, 4,868,878, Cl. 381-1.000.

Yoshimi, Yoshiki: *See—*
  Shiozawa, Etsuo; Kato, Keishi; and Yoshimi, Yoshiki, 4,863,543, Cl. 156-235.000.

Yoshimitsu, Kazumi, deceased (by Yoshimitsu, Mihoko, administratrix); Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, to Hitachi Maxell, Ltd. Non-aqueous electrochemical cell. 4,888,255, 12-19-89, Cl. 429-101.000.

Yoshimitsu, Mihoko, administratrix: *See—*
  Yoshimitsu, Kazumi, deceased; Sekido, Shintaro; Kazehara, Kenya; Kajita, Kozo; and Manabe, Toshikatsu, 4,888,255, Cl. 429-101.000.

Yoshimitsu, Toshio: *See—*
  Onuki, Toru; Sagawa, Junichi; Watanabe, Tamotsu; and Yoshimitsu, Toshio, 4,876,158, Cl. 428-565.000.

Yoshimitu, Kazumi: *See—*
  Nagai, Ryo; Yoshimitu, Kazumi; Kajita, Kozo; and Otani, Noboru, 4,808,499, Cl. 429-218.000.

Yoshimoto, Itsuro; and Otsuki, Kuniyoshi, to Casio Computer Co., Ltd. Digital audio tape record/play-back system for recording/playing back character data together with digital audio data. 4,833,549, 5-23-89, Cl. 360-191.000.

Yoshimoto, Katsutoshi: *See—*
  Yamashita, Hiroya; Yamamura, Takeshi; and Yoshimoto, Katsutoshi, 4,801,368, Cl. 204-293.000.

Yoshimoto, Kyosuke: *See—*
  Benii, Toshihiko; and Yoshimoto, Kyosuke, 4,812,726, Cl. 318-640.000.

Yoshimoto, Makoto; and Maeda, Shigeki, to NEC Corporation. Dual polarization transmission system. 4,811,021, 3-7-89, Cl. 342-361.000.

Yoshimoto, Mamoru, to Sumitomo Bakelite Company, Limited. Easily openable sealed container. 4,865,217, 9-12-89, Cl. 220-359.000.

Yoshimoto, Masahiko, to Mitsubishi Denki Kabushiki Kaisha. Digital delay unit with interleaved memory. 4,849,937, 7-18-89, Cl. 365-189.050.

Yoshimoto, Masahiko: *See—*
  Katayama, Akihiro; Ohsawa, Hidefumi; Sunohara, Izuru; Hosokawa, Hiroshi; and Yoshimoto, Masahiko, 4,878,125, Cl. 358-443.000.
  Ohsawa, Hidefumi; Katayama, Akihiro; Hosokawa, Hiroshi; Sunohara, Izuru; and Yoshimoto, Masahiko, 4,876,610, Cl. 358-443.000.
  Segawa, Hiroshi; and Yoshimoto, Masahiko, 4,829,237, Cl. 324-73.00R.

Yoshimoto, Mayumi: *See—*
  Kitamura, Atsushi; and Yoshimoto, Mayumi, 4,868,090, Cl. 430-271.000.

Yoshimoto, Mitsufumi: *See—*
  Egami, Tsuyoshi; and Yoshimoto, Mitsufumi, 4,868,689, Cl. 360-32.000.

Yoshimoto, Mitsuo: *See—*

Ohno, Ken; Yoshimoto, Mitsuo; and Ozaki, Yoshihide, 4,806,422, Cl. 428-336.000.

Yoshimoto, Nobuyuki; Iemura, Hirobumi; Oseto, Osamu; and Yamada, Nobuo, to Toyo Ink Manufacturing Co., Ltd.; and Arakawa Kagaku Kogyo Kabushiki Kaisha. Low temperature electrophotographic toner composition comprising nonlinear polyester resin. 4,863,825, 9-5-89, Cl. 430-109.000.

Yoshimoto, Satoshi: *See—*

Kobayashi, Norio; and Yoshimoto, Satoshi, 4,820,963, Cl. 318-696.000.

Yamakawa, Kiyoshi; and Yoshimoto, Satoshi, 4,804,281, Cl. 400-144.200.

Yoshimoto, Shinji: *See—*

Kida, Shuji; Kaneko, Yutaka; Kadokura, Kenji; Yoshimoto, Shinji; and Masuda, Kosaku, 4,839,264, Cl. 430-505.000.

Sugita, Shuichi; Yoshimoto, Shinji; Shimada, Naoko; Nakagawa, Satoshi; Kaneko, Yutaka; and Nishijima, Toyoki, 4,814,262, Cl. 430-551.000.

Yoshimoto, Tadashi: *See—*

Furukawa, Sunao; Yoshimoto, Tadashi; Ajisawa, Yukiyoshi; Ikeguchi, Seiichi; and Kinoshita, Yukihiko, 4,857,524, Cl. 514-227.500.

Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, to Mitsui Toatsu Chemicals, Incorporated. N-(2-Chloro-4-nitrophenyl)-benezene-sulfonamide derivative and agricultural fungicide containing same. 4,851,445, 7-25-89, Cl. 514 604.000.

Yoshimoto, Takeo; Umemoto, Mitsumasa; Igarashi, Keiichi; Kubota, Yutaka; Yamazaki, Hideo; Enomoto, Yuji; and Yanagita, Hirohisa, to Mitsui Toatsu Chemicals, Incorporated. N-(2-chloro-4-nitrophenyl)-(benzenesulfonamide derivative and agricultural fungicide containing same. 4,870,107, 9-26-89, Cl. 514-604.000.

Yoshimoto, Tetsuo: *See—*

Ueda, Masanori; Abe, Masayuki; Shitani. Kensai; Yoshimoto, Tetsuo; Yamamoto, Hiroki; and Kurosawa, Fumio, 4,883,544, Cl. 148-2.000.

Yoshimoto, Tokuji; Inagaki, Takashi; and Ookubo, Michio, to Honda Giken Kogyo Kabushiki Kaisha. Drive mechanisms. 4,831,975, 5-23-89, Cl. 123-90.310.

Yoshimoto, Toshio: *See—*

Ushio, Yukihide; Hashimoto, Hiroshi; Hori, Kenjiro; Seto, Kaoru; and Yoshimoto, Toshio, 4,853,740, Cl. 355-319.000.

Yoshimoto, Yoshiaki, to Nissan Motor Co., Ltd. Automotive suspension system suppressive of toe-out change in response to longitudinal shifting of load. 4,887,839, 12-19-89, Cl. 280-690.000.

Yoshimoto, Yoshihiko: *See—*

Mayama, Tatsushige; Ihata, Masanobu; and Yoshimoto, Yoshihiko, 4,794,693, Cl. 30-162.000.

Yoshimoto, Yoshikazu; Suzuki, Tomonari; Wada, Hiroshi; Yoshida, Masaru; Nakajima, Shigeo; Tajima, Yoshimitsu; Yanagisawa, Nobuhiro; Mohri, Motoo; Kasahara, Michiyo; and Tanaka, Hideaki, to Sharp Kabushiki Kaisha. Graphite intercalation compound electrodes for rechargeable batteries and a method for the manufacture of the same. 4,863,818, 9-5-89, Cl. 429-218.000.

Yoshimoto, Yoshikazu: *See—*

Mohri, Motoo; Tanaka, Hideaki; Suzuki, Tomonari; Tajima, Yoshimitsu; Yoshimoto, Yoshikazu; Nakajima, Shigeo; and Kasahara, Michiyo, 4,863,814, Cl. 429-60.000.

Yoshimoto, Yosuke: *See—*

Shimonaka, Hideki; Yoshimoto, Yosuke; and Nakazawa, Masaaki, 4,794,913, Cl. 128-4.000.

Yoshimoto, Yuichiro: *See—*

Igarashi, Takao; Sugawara, Satoshi; Yoshimoto, Yuichiro; Saito, Shozo; Fukumoto, Takashi; Endo, Zenichiro; and Shinbo, Katsutoshi, 4,874,574, Cl. 376-333.000.

Yoshimura, Eiichi, to Yoshida Kogyo K. K. Method of an apparatus for removing coupling elements from a slide fastener stringer tape. 4,831,709, 5-23-89, Cl. 29-426.400.

Yoshimura, Eiichi, to Yoshida Kogyo K. K. Separable bottom end stop for slide fastener. 4,858,284, 8-22-89, Cl. 24-433.000.

Yoshimura, Hiroshi; and Tagami, Yuichi to Toray Industries, Inc. Link device for stretching sheet material and stretching apparatus using said link device. 4,807,336, 2-28-89, Cl. 26-73.000.

Yoshimura, Hiroshi; and Iida, Youichi, to Isuzu Motors Limited; and Fujitsu Limited. Apparatus for controlling automatic gear transmission. 4,823,646, 4-25-89, Cl. 74-866.000.

Yoshimura, Hiroshi; Shirata, Akihiro; and Kuroyanagi, Junzo, to Isuzu Motors Limited. Transmission control apparatus. 4,856,360, 8-15-89, Cl. 74-335.000.

Yoshimura, Hiroshi, to Hakko Metal Industries Limited. Temperature sensor using thermocouple. 4,861,169, 8-29-89, Cl. 374-179.000.

Yoshimura, Hiroshi, to Hakko Metal Industries Limited. Card controlled soldering iron temperature control device. 4,861,967, 8-29-89, Cl. 219-241.000.

Yoshimura, Hiroshi, to Hakko Metal Industries Limited. Electric soldering iron. 4,873,608, 10-10-89, Cl. 361-220.000.

Yoshimura, Hiroshi: *See—*

Sugimura, Toshiya; and Yoshimura, Hiroshi, 4,843,915, Cl. 74-862.000.

Sugimura, Toshiya; Kasai, Hitoshi; and Yoshimura, Hiroshi, 4,858,131, Cl. 364-424.100.

Yamamoto, Takeshi; Kondo, Kunio; Yoshimura, Hiroshi; Wada, Yoshihiro; and Wada, Fusazo, 4,876,139, Cl. 428-200.000.

Yoshimura, Hiroyuki: *See—*

Yamagishi, Youji; Akasaka, Kozo; Suzuki, Takeshi; Miyamoto, Mitsuaki; Nakamoto, Kouji; Okano, Kazuo; Abe, Shinya; Ikuta, Hironori; Hayashi, Kenji; Yoshimura, Hiroyuki; Fujimori, Tohru; Harada, Koukichi; and Yamatsu, Isao, 4,886,834, Cl. 514-521.000.

Yoshimura, Isao; Hata, Hideo; and Kaneko, Takashi, to Asahi Kasei Kogyo Kabushiki Kaisha. Composition for drawn film, cold film made of said composition and process for manufacture of said film. 4,835,218, 5-30-89, Cl. 525-98.000.

Yoshimura, Katsuji; Masui, Toshiyuki; Sato, Chikara; and Nakayama, Tadayoshi, to Canon Kabushiki Kaisha. Image signal recording apparatus. 4,849,833, 7-18-89, Cl. 360-36.200.

Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; Sato, Chikara; and Takahashi, Koji, to Canon Kabushiki Kaisha. Video signal reproducing apparatus with memory and capability for reproducing at diverse reproduction speeds. 4,864,430, 9-5-89, Cl. 360-10.200.

Yoshimura, Katsuji; Kozuki, Susumu; Edakubo, Hiroo; and Sato, Chikara, to Canon Kabushiki Kaisha. Video signal reproducing apparatus with memory. 4,873,587, 10-10-89, Cl. 360-9.100.

Yoshimura, Katsuji; Nakayama, Tadayoshi; Ishikawa, Hisashi; and Sato, Chikara, to Canon Kabushiki Kaisha. Video signal processing system. 4,882,615, 11-21-89, Cl. 358-31.000.

Yoshimura, Katsuji: *See—*

Edakubo, Hiroo; Sato, Chikara; Kozuki, Susumu; and Yoshimura, Katsuji, 4,870,510, Cl. 360-27.000.

Enari, Masahiko; Yoshimura, Katsuji; Aoki, Akio; Yamashita, Shinichi; Shimokoriyama, Makoto; Kashida, Motokazu; Shimizu, Tetsuya; Ishii, Yoshiki; and Fujii, Akio, 4,862,292, Cl. 360-8.000.

Ishikawa, Hisashi; and Yoshimura, Katsuji, 4,843,334, Cl. 329-122.000.

Nagashima, Yoshitake; Ishikawa, Hisashi; Kozuki, Susumu; Yoshimura, Katsuji; Takahashi, Koji; and Nagasawa, Kenichi, 4,812,920, Cl. 358-310.000.

Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; Yoshimura, Katsuji; and Sasatani, Tomohiko, 4,878,128, Cl. 358-315.000.

Yasumura, Hiroto; Hirasawa, Masahide; Noji, Minoru; Kozuki, Susumu; Takahashi, Koji; and Yoshimura, Katsuji, 4,882,632, Cl. 358-330.000.

Yoshimura, Keiji: *See—*

Nobiraki, Koji; Metoku, Yoshiharu; Uragami, Hisato; Tamaki, Toshitaka; Yoshimura, Keiji; and Otsuka, Kazuhiko, 4,846,859, Cl. 55-276.000.

Yoshimura, Kouichi; and Ishii, Tsuyoshi, to Yamazaki Corporation. Floor sweeper. 4,823,422, 4-25-89, Cl. 15-41.00R.

Yoshimura, Kunitoshi: *See—*

Homma, Yoshihiro; Nakata, Akira; Matsumoto, Shiroh; Yoshimura, Kunitoshi; and Minato, Masahiko, 4,852,793, Cl. 229-5.500.

Yoshimura, Makoto: *See—*

Kawai, Yoshio; Endo, Kazue; and Yoshimura, Makoto, 4,822,335, Cl. 604-20.000.

Yoshimura, Masakatsu: *See—*

Nagasaki, Hideo; Yachigo, Shinichi; Ishii, Tamaki; Yoshimura, Masakatsu; Takahashi, Yukoh; and Yamamoto, Hiroki, 4,812,494, Cl. 524-91.000.

Yoshimura, Masakiyo: *See—*

Honnan, Morio; Sugie, Nizo; Yoshimura, Masakiyo; and Shirakawa, Yoshikazu, 4,880,702, Cl. 428-354.000.

Yoshimura, Masayoshi: *See—*

Suzuki, Yukio; Masuda, Ikuro; Iwamura, Masahiro; Kadono, Shinji; Uragami, Akiro; Yoshimura, Masayoshi; and Matsubara, Toshiaki, 4,879,480, Cl. 307-446.000.

Yoshimura, Motokazu; Hirata, Koichi; and Kurebayashi, Kimie. Typewriter having electronic dictionary with efficient storage, for printing any stored information associated with a entered word or entered word. 4,796,185, 1-3-89, Cl. 364-419.000.

Yoshimura, Motokazu, to Brother Kogyo Kabushiki Kaisha. Electronic dictionary system having improved memory efficiency for storage of common suffix words. 4,799,188, 1-17-89, Cl. 364-900.000.

Yoshimura, Motokazu, to Brother Kogyo Kabushiki Kaisha. Memory saving electronic dictionary system for spell checking based on noun suffix. 4,799,191, 1-17-89, Cl. 364-900.000.

Yoshimura, Motomu, to Mitsubishi Denki Kabushiki Kaisha. Optical recording system. 4,819,206, 4-4-89, Cl. 365-106.000.

Yoshimura, Motonobu: *See—*

Kawahara, Haruyuki; Tanaka, Katsumi; Ashiura, Yasuyuki; and Yoshimura, Motonobu, 4,842,517, Cl. 433-173.000.

Yoshimura, Narihiko; Tokashiki, Michihide; and Ishii, Tetsuo, to Toa Nenryo Kogyo Kabushiki Kaisha. Synthetic lubricating fluid. 4,871,476, 10-3-89, Cl. 252-565.000.

Yoshimura, Narihiko; Komatsu, Yasuji; and Tomizawa, Hirotaka, to Toa Nenryo Kogyo Kabushiki Kaisha. Traction fluid. 4,886,613, 12-12-89, Cl. 252-79.000.

Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, to Toa Nenryo Kogyo Kabushiki Kaisha. Synthetic traction fluid. 4,886,614, 12-12-89, Cl. 252-79.000.

Yoshimura, Narihiko; Tomizawa, Hirotaka; and Komatsu, Yasuji, to Toa Nenryo Kogyo Kabushiki Kaisha. Synthetic traction fluid. 4,889,650, 12-26-89, Cl. 252-79.000.

Yoshimura, Noriaki; and Tokitoh, Yasuo, to Kuraray Co., Ltd. Process for producing 2-hydroxy-4-methyltetrahydropyran. 4,808,737, 2-28-89, Cl. 549-423.000.

Yoshimura, Noriaki: *See—*

Omatsu, Toshihiro; Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,871,880, Cl. 568-454.000.

Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,808,756, Cl. 568-454.000.

Tokitoh, Yasuo; and Yoshimura, Noriaki, 4,861,922, Cl. 568-865.000.

Yoshimura, Ryoichi; and Kimura, Tsutomu, to Fuji Photo Film Co., Ltd. Radiation image read-out apparatus. 4,806,758, 2-21-89, Cl. 250-327.200.

Yoshimura, Ryoichi; Torii, Shumpeita; and Yamada, Naoto, to Fuji Photo Film Co., Ltd. Cassette for image information recording carrier, mechanism for removing image information recording carrier from the cassette, and apparatus for reading image information. 4,889,989, 12-26-89, Cl. 250-327.200.

Yoshimura, Ryoichi: *See—*

Shimura, Kazuo; Mori, Nobufumi; Saotome, Shigeru; Yoshimura, Ryoichi; Watanabe, Hideo; and Hosoi, Yuichi, 4,835,386, Cl. 250-327.200.

Takasaki, Yoshimi; Yamaguchi, Akira; and Yoshimura, Ryoichi, 4,882,490, Cl. 250-236.000.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,849,633, Cl. 250-327.200.

Yamada, Sadami; Kawai, Yasuhiro; Yoshimura, Ryoichi; Arakawa, Satoshi; and Matsuda, Terumi, 4,868,387, Cl. 250-327.200.

Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, to Canon Kabushiki Kaisha. Container with baffled outlet. 4,848,602, 7-18-89, Cl. 222-564.000.

Yoshimura, Shigeru; Suzuki, Tetsuo; and Takemura, Makoto, to Canon Kabushiki Kaisha. Image forming apparatus having edge-guiding member for guiding a recording medium. 4,857,943, 8-15-89, Cl. 346-136.000.

Yoshimura, Shigeyuki: *See—*

Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.

Yoshimura, Shohei: *See—*

Kuwabara, Hideki; and Yoshimura, Shohei, 4,840,973, Cl. 521-58.000.

Yoshimura, Shoji; Tani, Yoichiro; Matsuzaki, Youzi; Ito, Masayoshi; Shitori, Yoshiyasu, and Ogawa, Tomoya, to Mect Corporation. Process for preparing sialic acid derivatives. 4,797,477, 1-10-89, Cl. 536-18.500.

Yoshimura, Shoji: *See—*

Fujita, Shuji; Yoshimura, Shoji; Ito, Masayoshi; Shitori, Yoshiyasu; and Ogawa, Tomoya, 4,880,572, Cl. 260-404.000.

Yoshimura, Shushichi; Ishizu, Makoto; Kobayashi, Hiromu; and Yamazaki, Hozo, to Mitsubishi Chemical Industries Limited. High-quality coloring carbon black and process for its production. 4,808,395, 2-28-89, Cl. 423-447.300.

Yoshimura, Susumu; Tsuchiya, Ohji; Kudoh, Yasuo; and Kojima, Toshikuni, to Matsushita Electric Industrial Co., Ltd. Solid electrolyte capacitor. 4,864,472, 9-5-89, Cl. 361-525.000.

Yoshimura, Susumu: *See—*

Tsuchiya, Sohji; Kojima, Toshikuni; Kudoh, Yasuo; Yoshimura, Susumu; Hoshii, Yasunari; and Itoh, Hirohiko, 4,828,738, Cl. 252-62.200.

Yoshimura, Takashi: *See—*

Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,814,565, Cl. 200-291.000.

Bingo, Hideyuki; Yoshimura, Takashi; Yamashita, Masatsugu; Hashizume, Shinichi; and Iwakiri, Norio, 4,833,280, Cl. 200-16.00D.

Sakakino, Takahiro; Ohmori, Koji; Yoshimura, Takashi; Kazusaka, Shoji; and Sunagawa, Yoshitaka, 4,841,109, Cl. 200-302.100.

Yamashita, Masatsugu; Yoshimura, Takashi; Hashizume, Shinichi; Bingo, Hideyuki; and Iwakiri, Norio, 4,816,631, Cl. 200-332.000.

Yoshimura, Takeshi: *See—*

Ikuta, Shiro; Suyama, Eizo; Yokoyama, Masaru; and Yoshimura, Takeshi, 4,796,694, Cl. 165-152.000.

Yoshimura, Tatsuro, to Fujitsu Limited. Clock phase adjusting system. 4,859,954, 8-22-89, Cl. 328-155.000.

Yoshimura, Tatsushiro; Tomihashi, Nobuyuki; and Terada, Tsutomu, to Daikin Kogyo Co, Ltd,. Electrodeposition coating composition, electrodeposition process and electrodeposited article. 4,842,940, 6-27-89, Cl. 428-422.000.

Yoshimura, Tatsushiro; Tomihashi, Nobuyuki and Shimasaki, Shuhei, to Daikin Industries, Ltd. Melt-processable fluorine-containing resin composition. 4,853,425, 8-1-89, Cl. 524-83.000.

Yoshimura, Tooru: *See—*

Muranaka, Shigeo; Kamegaya, Shigeru; Yoshimura, Tooru; and Matayoshi, Yutaka, 4,825,822, Cl. 123-90.440.

Yoshimura, Toshio, to Tanashin Denki Co., Ltd. Tape recorder of the cassette type. 4,860,141, 8-22-89, Cl. 360-130.210.

Yoshimura, Toshio, to Tanashin Denki Co., Ltd. Cassette tape recorder having a tape cassette ejector and head shifter with common drive mechanism. 4,885,648, 12-5-89, Cl. 360-96.500.

Yoshimura, Toshio: *See—*

Tanaka, Shinsaku; and Yoshimura, Toshio, 4,806,024, Cl. 384-125.000.

Tanaka, Shinsaku; and Yoshimura, Toshio, 4,809,108, Cl. 360-109.000.

Yoshimura, Toyofusa: *See—*

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Takokoro, Akio; Toba, Ritsuji; and Yoshimura, Toyofusa, 4,865,888, Cl. 427-443.100.

Akahoshi, Haruo; Murakami, Kanji; Kawamoto, Mineo; Tadokoro, Akio; and Yoshimura, Toyofusa, 4,876,177, Cl. 430-313.000.

Yoshimura, Tsunenori: *See—*

Hamada, Yasuhiko; and Yoshimura, Tsunenori, 4,824,549, Cl. 204-410.000.

Murase, Takao; and Yoshimura, Tsunenori, 4,883,947, Cl. 219-553.000.

Yoshimura, Tsuyoshi, to Ricoh Company, Ltd. Scanning apparatus using a rotary polygon mirror. 4,796,963, 1-10-89, Cl. 350-6.800.

Yoshimura, Tsuyoshi, to Sanshin Kogyo Kabushiki Kaisha. Exhaust system for marine engine. 4,831,822, 5-23-89, Cl. 60-310.000.

Yoshimura, Yoshikazu, to Hirose Electric Co., Ltd. Shielded electrical connector and method of wiring same. 4,830,629, 5-16-89, Cl. 439-610.000.

Yoshimura, Yoshikazu; and Koike, Kihachiro, to Hirose Electric Co, Ltd.; and NEC Corporation. Coupling engagement mechanism for electric connector. 4,838,810, 6-13-89, Cl. 439-358.000.

Yoshimura, Yoshikazu; and Koike, Kihachiro, to Hirose Electric Co., Ltd.; and NEC Corporation. Shielded electric connector and wire connecting method. 4,838,812, 6-13-89, Cl. 439-610.000.

Yoshimura, Yoshinobu; Hashimoto, Naoto; and Kishimoto, Shoji, to Takeda Chemical Industries, Ltd. Cephem compounds. 4,826,834, 5-2-89, Cl. 514-207.000.

Yoshimura, Yoshinobu: *See—*

Miyake, Akio; Yoshimura, Yoshinobu; and Numata, Mitsuo, 4,797,395, Cl. 514-206.000.

Nishimura, Tatsuo; Yoshimura, Yoshinobu; Miyake, Akio; and Hashimoto, Naoto, 4,839,351, Cl. 514-206.000.

Yoshimura, Yoshio: *See—*

Nishimura, Yoshifumi; and Yoshimura, Yoshio, 4,859,289, Cl. 204-28.000.

Yoshimura, Yuichiro: *See—*

Suzuki, Noriyuki; Tanaka, Atsushi; Kaneko, Kiyoshi; Yoshimura, Yuichiro; Taniishi, Shinnosuke; Kobayashi, Katsuyuki; and Mori, Shigeki, 4,886,943, Cl. 178-18.000.

Yoshimura, Yuji: *See—*

Ishigaki, Kunio; Yoshimura, Yuji; Kanetake, Satoshi; and Torigoe, Masaaki, 4,822,727, Cl. 430-536.000.

Yoshimura, Yutaka, to Sharp Kabushiki Kaisha. Electronic apparatus with liquid crystal display device having a plate to provide a transparent or a reflective mode. 4,826,296, 5-2-89, Cl. 350-338.000.

Yoshinaga, Jun; and Yazawa, Nobuyoshi, to Olympus Optical Co., Ltd. TV camera. 4,839,723, 6-13-89, Cl. 358-98.000.

Yoshinaga, Jun: *See—*

Hibino, Hiroki; Kimura, Kenji; Kanno, Masahide; Nishikori, Toshiaki; Yoshinaga, Jun; Kidawara, Atsushi; Yabe, Hisao; Katou, Shinichi; Takamura, Koji; and Nakamura, Takeaki, 4,855,819, Cl. 358-98.000.

Kanno, Masahide; Yabe, Hisao; Yoshinaga, Jun; Yokoi, Takeshi; and Oozeki, Kazuhiko, 4,869,256, Cl. 128-660.040.

Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Yoshinaga, Jun; and Ohzeki, Kazuhiko, 4,884,133, Cl. 358-98.000.

Kimura, Kenji; Hibino, Hiroki; Nisikori, Toshiaka; Ogiu, Hisao; Kidawara, Atsushi; Yabe, Hisao; Takamura, Koji; Yoshinaga, Jun; Kato, Shinichi; and Nakamura, Takeaki, 4,885,635, Cl. 358-98.000.

Nishigaki, Shinichi; Nakamura, Takeaki; Yoshinaga, Jun; Kanno, Masahide; Yabe, Hisao; Yokoi, Takeshi; Oozeki, Kazuhiko; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,879,992, Cl. 128-6.000.

Nishioka, Kimihiko; and Yoshinaga, Jun, 4,805,028, Cl. 358-225.000.

Yabe, Hisao; Kimura, Kenji; Kanno, Masahide; Tsuji, Kiyoshi; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nishigaki, Shinichi; Nakamura, Takeaki; Tojo, Yoshikazu; and Suzuki, Hiromasa, 4,803,550, Cl. 358-98.000.

Yabe, Hisao; Kanno, Masahide; Yoshinaga, Jun; Yokoi, Takeshi; Ozeki, Kazuhiko; Nakamura, Takeaki; Tojo, Yoshikazu; Nishigaki, Shinichi; and Suzuki, Hiromasa, 4,862,872, Cl. 128-6.000.

Yoshinaga, Junji; Shoyaki, Takeshi; Kakita, Takao; Ozeki, Hiromi; Sugimoto, Nobuko; and Kato, Yoshiko, to Sawai Pharmaceutical Co., Ltd. N-tetrazolyl thiazolecarboxyamide derivatives and their use. 4,879,295, 11-7-89, Cl. 514-255.000.

Yoshinaga, Junji: *See—*

Satoh, Toshio; Matsumoto, Hitoshi; Kakegawa, Hisao; Kato, Yoshiko; Riku, Juichi; Yoshinaga, Junji; and Kanamoto, Yoshifumi, 4,822,791, Cl. 514-212.000.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, to Canon Kabushiki Kaisha. Lactic acid derivative, liquid crystal composition containing same and liquid crystal device. 4,812,259, 3-14-89, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Kobayashi, Toyoko; and Shinjo, Kenji, to Canon Kabushiki Kaisha. Optically active composition, mesomorphic compound and liquid crystal device. 4,876,027, 10-24-89, Cl. 252-299.650.

Yoshinaga, Kazuo; Katagiri, Kazuharu; and Shinjo, Kenji, to Canon Kabushiki Kaisha. Lactic acid derivative, liquid crystal composition containing same and liquid crystal device. 4,880,560, 11-14-89, Cl. 252-299.010.

Yoshinaga, Kazuo; Katagiri, Kazuharu; Tsuboyama, Akira; Kitayama, Hiroyuki; Shinjo, Kenji; and Hioki, Chieko, to Canon Kabushiki Kaisha. Lactic acid derivative and liquid crystal composition containing same. 4,882,085, 11-21-89, Cl. 252-299.610.

Yoshinaga, Kazuo: *See—*

Egara, Koichi; Mochizuki, Norihiro; Nakamura, Kenji; and Yoshinaga, Kazuo, 4,882,715, Cl. 367-140.000.

Katagiri, Kazuharu; Shinjo, Kenji; and Yoshinaga, Kazuo, 4,816,178, Cl. 252-299.600.

  - Katagiri, Kazuharu; Yoshinaga, Kazuo; Okada, Shinjiro; and Kanbe, Junichiro, 4,844,597, Cl. 350-350.00S.
  - Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,798,680, Cl. 252-299.010.
  - Nohira, Hiroyuki; Kamei, Masanao; Nakamura, Shinichi; Yoshinaga, Kazuo; Kai, Mariko; and Katagiri, Kazuharu, 4,873,018, Cl. 252-299.010.
  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,820,026, Cl. 350-341.000.
  - Okada, Shinjiro; Yoshinaga, Kazuo; Taniguchi, Osamu; Kawagishi, Hideyuki; Tsuboyama, Akira; Hanyu, Yukio; Yamashita, Masataka; and Katagiri, Kazuharu, 4,883,344, Cl. 350-339.00R.
- Yoshinaga, Makoto; Iba, Yoichi; Miyahara, Noriyuki; Kawasaki, Masami; Morita, Terumasa; and Nagano, Takashi, to Olympus Optical Co., Ltd. Microscope apparatus for examining wafer. 4,832,474, 5-23-89, Cl. 350-529.000.
- Yoshinaga, Noriyuki: *See—*
  - Furukawa, Nobuhiro; Nishio, Koji; and Yoshinaga, Noriyuki, 4,840,858, Cl. 429-197.000.
- Yoshinaga, Sadao, to Prince Industrial Development Co., Ltd. Burner Device. 4,804,324, 2-14-89, Cl. 431-255.000.
- Yoshinaga, Yoko: *See—*
  - Kushibiki, Nobuo; Yoshinaga, Yoko; Taniguchi, Naosato; and Kuwayama, Tetsuro, 4,871,41?, Cl. 156-249.000.
  - Nishimura, Yukuo; Yuasa, Satoshi; Haruta, Masahiro; Yoshinaga, Yoko; and Munakata, Hirohide, 4,832,466, Cl. 350-354.000.
  - Yuasa, Satoshi; Munakata, Hirohide; Yoshinaga, Yoko; Haruta, Masahiro; and Nishimura, Yukuo, 4,881,798, Cl. 350-353.000.
- Yoshinaga, Yoshitaka: *See—*
  - Takedoi, Atsushi; Kondo, Hiroyuki; Isoai, Masaru; Yoshinaga, Yoshitaka; Harada, Tosiharu; Okuda, Yosiro; Sumita, Hiroshi; Kawasaki, Hirofumi; and Mori, Kohji. 4,873,010, Cl. 252-62.590.
- Yoshinaka, Hideo: *See—*
  - Onda, Kenichi; Matsuda, Yasuo; Abe, Kojin; Iwafuji, Yasunori; Aoyama, Hiroyuki; and Yoshinaka, Hideo, 4,858,096, Cl. 363-22.000.
- Yoshinaka, Junichi: *See—*
  - Genba, Tsuneo; Yoshinaka, Junichi; and Nakanishi, Shingo, 4,809,493, Cl. 57-238.000.
- Yoshinaka, Shinji: *See—*
  - Obitsu, Takeo; Ohnishi, Yutaka; Yoshinaka, Shinji; Koguchi, Minoru; Yanagita, Mitsuhiro; Hirai, Nobuyuki; and Tanaka, Toshiyuki, 4,826,806, Cl. 503-217.000.
- Yoshinaka, Tadaaki, to Sony Corporation. Apparatus for reproducing digital data. 4,811,123, 3-7-89, Cl. 360-26.000.
- Yoshinaka, Toshio: *See—*
  - Koide, Toshikazu; Ida, Shuichiro; Yoshinaka, Toshio; Nagano, Shuji; and Haga, Shoji, 4,854,414, Cl. 180-249.000.
- Yoshinao, Yamada: *See—*
  - Hagiwara, Michiaki; Menjiu, Akira; Kohachi, Nomura; Masaru, Kataoka; Yoshinao, Yamada; and Miyuri, Sasaki, 4,806,179, Cl. 148-403.000.
- Yoshinari, Hideki: *See—*
  - Isohata, Junji; Matsushita, Koichi; Yamamoto, Hironori; Miyazaki, Makoto; Ozawa, Kunitaka; and Yoshinari, Hideki, 4,864,360, Cl. 355-53.000.
- Yoshinari, Yuji; Shiraishi, Hitoshi; Tanaka, Osamu; Kawahito, Akiyoshi; Kayahara, Toshihiro; Takeda, Satoru; Yamada, Takashi; and Kawakami, Akinori, to Miura Co., Ltd. Multi-pipe once-through type boiler. 4,825,813, 5-2-89, Cl. 122-6.00A.
- Yoshino, Akira; Hino, Masafumi; and Yasue, Nobuhiro, to Hitachi, Ltd. System for processing IC card with display function. 4,827,112, 5-2-89, Cl. 235-380.000.
- Yoshino, Akira, to Daidousanso Co., Ltd. High purity nitrogen and oxygen gas production equipment. 4,853,015, 8-1-89, Cl. 62-40.000.
- Yoshino, Akira: *See—*
  - Hasegawa, Masatake; Kobayashi, Hirotada; Sunazuka, Hideo; Yoshino, Akira; Matsuda, Takao; and Shingo, Yoshioki, 4,869,848, Cl. 252-609.000.
- Yoshino, Daijyu: *See—*
  - Tazaki, Yuichi; Ishigami, Osamu; Ichikawa, Akira; Yoshino, Daijyu; and Soyama, Akira, 4,846,938, Cl. 204-11.000.
- Yoshino, Eichi: *See—*
  - Shinomiya, Tsutomu; Yoshino, Eichi; Maki, Chihiro; Tojima, Hitoshi; Izai, Sadamu; Nakata, Akiro; and Tamura, Michiya, 4,875,960, Cl. 156-203.000.
- Yoshino, Eiichi: *See—*
  - Munemasa, Shinichi; Ueki, Kanji; and Yoshino, Eiichi, 4,843,752, Cl. 43-140.000.
- Yoshino, Eiji: *See—*
  - Yamada, Takahiro; Yoshino, Eiji; and Matsuda, Yasumasa, 4,849,909, Cl. 364-519.000.
- Yoshino, Hirobumi: *See—*
  - Kikuno, Mitsutoyo; Hirono, Tatsuo; Nakashima, Yoshihiro; and Yoshino, Hirobumi, 4,799,081, Cl. 355-14.00C.
  - Nakamura, Yoko; Kojima, Fumiyo; and Yoshino, Hirobumi, 4,876,571, Cl. 355-210.000.
- Yoshino, Hiroyuki: *See—*
  - Kawano, Ikuo; Takiguchi, Tsuyoshi; Kimura, Norihisa; Yanagisawa, Yohei; Ashimi, Tokuji; and Yoshino, Hiroyuki, 4,876,103, Cl. 426-574.000.
- Yoshino, Hisakazu: *See—*
  - Tojo, Toru; Tabata, Mitsuo; and Yoshino, Hisakazu, 4,808,002, Cl. 356-401.000.
- Yoshino, Hitoshi: *See—*
  - Imataki, Hiroyuki; Hiraoka, Mizuho; Ichikawa, Sachiko; Ogawa, Yoshihiro; and Yoshino, Hitoshi, 4,871,649, Cl. 430-270.000.
  - Miura, Kyo; Sugata, Hiroyuki; Oguchi, Yoshihiro; and Yoshino, Hitoshi, 4,871,601, Cl. 428-64.000.
- Yoshino, Junichi: *See—*
  - Terai, Akio; Yoshino, Junichi; Satsumi, Shinroku; and Taniguchi, Mitsuru, 4,881,363, Cl. 56-255.000.
- Yoshino, Katsumi; and Shigeno, Yasuhiro, to Hosiden Electronics Co., Ltd. Ferroelectric liquid crystal cell and its manufacturing method 4,836,653, 6-6-89, Cl. 350-341.000.
- Yoshino, Katsumi: *See—*
  - Ohsawa, Toshiyuki; Yoshino, Katsumi; and Kanetou, Keichi, 4,804,568, Cl. 428-40.000.
- Yoshino, Kenji; Wakui, Tadahiro; Kumazawa, Yumiko; Izumi, Mitsuhiko; and Yamagishi, Touru, to Kawasaki Steel Corp. Low-temperature-processible copolyesteramides, preparation of molded articles therefrom and compositions thereof. 4,839,128, 6-13-89, Cl. 264-328.100.
- Yoshino, Kenji: *See—*
  - Wakui, Tadahiro; Yoshino, Kenji; Komatsu, Masafumi; Kumazawa, Yumiko; Yamagishi, Touru; and Izumi, Mitsuhiko, 4,851,497, Cl. 528-176.000.
- Yoshino, Kimiaki: *See—*
  - Miyazaki, Jinsei; Ando, Eiji; Yoshino, Kimiaki; and Morimoto, Kazuhisa, 4,845,021, Cl. 430-495.000.
- Yoshino Kogyosho Co., Ltd.: *See—*
  - Akiho, Ota, 4,805,788, Cl. 215-1.00C.
  - Hayashi, Yoshiaki; Itakura, Takeshi; Kato, Toyoji; and Koshidaka, Yukio, 4,877,141, Cl. 215-1.00C.
  - Ichizawa, Yoshiyuki; and Nomoto, Tsugio, 4,819,785, Cl. 198-404.000.
  - Iizuka, Shigeo; and Saito, Tadao, 4,808,022, Cl. 401-176.000.
  - Iizuka, Shigeo; and Tanno, Isao, 4,863,048, Cl. 215-235.000.
  - Iizuka, Takao; and Ota, Akiho, 4,822,543, Cl. 264-521.000.
  - Iizuka, Takao; and Ota, Akiho, 4,884,961, Cl. 425-195.000.
  - Imaizumi, Yasuyuki, 4,855,168, Cl. 428-35.200.
  - Ota, Akiho, 4,852,752, Cl. 215-31.000.
  - Tasaki, Takaharu, 4,819,835, Cl. 222-383.000.
- Yoshino, Kosei; Saso, Hirohumi; and Matsumoto, Masayuki, to Takamisawa Electric Co., Ltd. Polarized electromagnetic relay. 4,843,360, 6-27-89, Cl. 335-80.000.
- Yoshino, Kunihisa: *See—*
  - Hiratsuka, Seiichiro; Yoshino, Kunihisa; Haneda, Satoshi; and Shoji, Hisashi, 4,841,337, Cl. 355-157.000.
  - Shoji, Hisashi; Haneda, Satoshi; and Yoshino, Kunihisa, 4,884,14 Cl. 358-300.000.
- Yoshino, Masachika; Hasebe, Nobuyuki; Fujiki, Hironao; and Inomata, Hiroshi, to Shin-Etsu Chemical Co., Ltd. Storage stable and room temperature-curable organopolysiloxane composition. 4,879,33 11-7-89, Cl. 524-740.000.
- Yoshino, Masahiro: *See—*
  - Seto, Yutaka; Suzuki, Shigehiro; Suzuki, Tomohiro; Fujita, Atsushi; Tai, Akira; and Yoshino, Masahiro, 4,881,103, Cl. 355-251.000.
- Yoshino, Masahito: *See—*
  - Hayakawa, Motomu; and Yoshino, Masahito, 4,882,717, Cl. 368-64.000.
- Yoshino, Masanori: *See—*
  - Yokoe, Kyousuke; Yoshino, Masanori; Hokari, Osamu; and Date, Nobuo, 4,862,856, Cl. 123-519.000.
- Yoshino, Masato, to Sumitomo Electric Industries, Ltd. Antiskid control device. 4,848,850, 7-18-89, Cl. 303-97.000.
- Yoshino, Masato, to Sumitomo Electric Industries, Ltd. Antiskid brake control device. 4,859,002, 8-22-89, Cl. 303-103.000.
- Yoshino, Masato, to Sumitomo Electric Industries, Ltd. Device for testing brake fluid pressure circuit in anti-lock control system. 4,869,558, 9-26-89, Cl. 303-92.000.
- Yoshino, Masato, to Sumitomo Electric Industries, Ltd. Antiskid control device. 4,877,295, 10-31-89, Cl. 303-109.000.
- Yoshino, Mituo: *See—*
  - Nakanishi, Koji; Yoshino, Mituo; and Saito, Yoshitane, 4,854,34 Cl. 137-624.110.
- Yoshino, Motoaki, to Canon Kabushiki Kaisha. Data communication apparatus adapted to perform data communication and speech communication. 4,800,439, 1-24-89, Cl. 358-257.000.
- Yoshino, Motoaki; Watanabe, Tsunehiro; Miura, Shigeo; Toyama, Takeshi; and Takahashi, Masatomo, to Canon Kabushiki Kaisha. Data communication apparatus. 4,843,479, 6-27-89, Cl. 358-257.000.
- Yoshino, Motoaki: *See—*
  - Kurahayashi, Sadasuke; Sakamoto, Masahiro; Takahashi, Masatomo; Yoshino, Motoaki; Ueno, Yasuhide; Watanabe, Tsunehiro; Negi, Tsuneo; Ono, Takeshi; and Miura, Shigeo, 4,845,569, Cl. 358-400.000.
  - Miura, Shigeo; Takahashi, Masatomo; Yoshino, Motoaki; Watanabe, Tsunehiro; Toyama, Takeshi; and Takahashi, Takeo, 4,878,123, Cl. 358-401.000.
- Yoshino, Nobuo, to Nihon Metal Gasket Kabushiki Kaisha. Metallic gasket. 4,799,695, 1-24-89, Cl. 277-231.000.
- Yoshino, Nobuo, to Nihon Metal Gasket Kabushiki Kaisha. Metallic gasket with sealing beads. 4,815,750, 3-28-89, Cl. 277-235.00B.
- Yoshino, Nobuo, to Nihon Metal Gasket Kabushiki Kaisha. Laminated metallic gasket. 4,836,562, 6-6-89, Cl. 277-235.00B.
- Yoshino, Satoshi: *See—*
  - Abe, Akihiro; Kamata, Akinori; Yoshino, Satoshi; and Terada, Hirotomo, 4,819,556, Cl. 101-93.040.
- Yoshino Seiki Inc.: *See—*
  - Okinaga, Hiroaki, 4,854,788, Cl. 408-59.000.
- Yoshino, Shigeru; and Takagi, Atsushi, to Fuji Photo Film Co., Ltd. Picture recording method. 4,825,257, 4-25-89, Cl. 355-132.000.
- Yoshino, Shigeru, to Fuji Photo Film Co., Ltd. Image recording method and apparatus. 4,843,414, 6-27-89, Cl. 354-21.000.
- Yoshino, Shigeru, to Fuji Photo Film Co., Ltd. Sheet feeding apparatus. 4,871,160, 10-3-89, Cl. 271-9.000.
- Yoshino, Shigeru, to Fuji Photo Film Co., Ltd. Belt color filters in an image recording apparatus. 4,887,124, 12-12-89, Cl. 355-32.000.
- Yoshino, Shigeru: *See—*
  - Nagumo, Akihiko; and Yoshino, Shigeru, 4,853,743, Cl. 355-27.000.
- Yoshino, Shoichi: *See—*
  - Fukuta, Shigemi; Amakasu, Toshinari; Ugata, Ken; and Yoshino, Shoichi, 4,798,615, Cl. 65-4.400.
- Yoshino, Susumu: *See—*
  - Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.
- Yoshino, Syuji; Makino, Satoshi; Fujita, Mitsuo; and Shimizu, Yukio, to Yazaki Kakoh Co., Ltd. Resin coated metal pipe having a plane surface for a lightweight structure. 4,839,204, 6-13-89, Cl. 428-358.000.
- Yoshino, Takehito: *See—*
  - Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,882,251, Cl. 430-57.000.
  - Aoike, Tatsuyuki; Sano, Masafumi; Yoshino, Takehito; Kariya, Toshimitsu; and Niino, Hiroaki, 4,886,723, Cl. 430-65.000.
- Yoshino, Tatsuo: *See—*
  - Akimoto, Taizo; Akisada, Masahide; Seiki, Takatoshi; Ookawa, Norio; Yoshino, Tatsuo; and Takamura, Yuji, 4,799,072, Cl. 354-76.000.
  - Nishiyama, Mikio; Yoshino, Tatsuo; and Akimoto, Taizo, 4,841,371, Cl. 358-244.000.
- Yoshino, Teruo, to Kabushiki Kaisha Toshiba. Gate signal generator for thyristor valve. 4,859,884, 8-22-89, Cl. 307-646.000.
- Yoshino, Thunekazu; Morita, Hiroshi; Nakano, Hirotaka; Hayashi, Nobuo; and Kubota, Yuko, to Kabushiki Kaisha Toshiba. Bonding sheet for electronic component and method of bonding electronic component using the same. 4,887,760, 12-19-89, Cl. 228-56.300.
- Yoshino, Thunekazu: *See—*
  - Nakano, Hirotaka; and Yoshino, Thunekazu, 4,808,769, Cl. 174-68.500.
  - Nakano, Hirotaka; and Yoshino, Thunekazu, 4,857,671, Cl. 174-68.500.
- Yoshino, Toshikazu: *See—*
  - Hayashi, Ryutaro; Kimura, Yukio; and Yoshino, Toshikazu, 4,847,827, Cl. 369-284.000.
  - Kimura, Yukio; Yoshino, Toshikazu; and Hayashi, Ryutaro, 4,853,260, Cl. 427-240.000.
- Yoshino, Toshio: *See—*
  - Kajikawa, Teruo; and Yoshino, Toshio, 4,872,930, Cl. 156-72.000.
- Yoshino, Yoshimi; Arasuna, Toshikazu; Ao, Kenichi; Ariga, Katsuhiko; Matsushita, Toshikazu; and Izawa, Ichiro, to Nippondenso Co., Ltd. Noncontact potentiometer. 4,835,509, 5-30-89, Cl. 338-32.00R.
- Yoshino, Yoshimi: *See—*
  - Fujii, Tetsuo; Shioya, Hirohito; Mizuno, Tiaki; Kamada, Tadashi; Makino, Yasuaki; Yoshino, Yoshimi; and Otake, Seiichiro, 4,867,561, Cl. 356-237.000.
- Yoshino, Yuichi, to Japan Steel Works, Ltd., The. Method of manufacturing martensitic stainless steel excellent in resistance to stress corrosion cracking. 4,838,960, 6-13-89, Cl. 148-135.000.
- Yoshino, Yukihiko, to Ricoh Co., Ltd. Plate making and printing press. 4,831,553, 5-16-89, Cl. 364-518.000.
- Yoshino, Yutaka; Gotoh, Makoto; Fujimoto, Osamu; and Shizawa, Masahiro, to Anritsu Corporation. Telephone set. 4,837,814, 6-6-89, Cl. 379-144.000.
- Yoshinori, Koshida; Minoru, Isobe; and Shin-ichi, Suto, to Oki Electric Industry Co., Ltd. Automatic money depositing apparatus. 4,889,220, 12-26-89, Cl. 194-206.000.
- Yoshinori, Yamanoi; and Tetsuo, Tsuchida, to Honda Giken Kogyo Kabushiki Kaisha. Wheel angular acceleration sensor for anti-lock controller for vehicles. 4,834,221, 5-30-89, Cl. 188-181.00A.
- Yoshio, Hideaki: *See—*
  - Konishi, Akio; Kikuya, Satoshi; Zaitsu, Osamu; and Yoshio, Hideaki, 4,803,574, Cl. 360-85.000.
- Yoshio, Junichi, to Pioneer Electronic Corporation. Data recording and reproducing device. 4,870,512, 9-26-89, Cl. 360-32.000.
- Yoshio, Junichi: *See—*
  - Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,872,068, Cl. 358-342.000.
  - Ishii, Hidehiro; Yoshio, Junichi; Watanabe, Osamu; Izumo, Takeshi; Takeya, Noriyoshi; Katakami, Kazuhiko; Shinohara, Masayori; and Yoshida, Masao, 4,885,644, Cl. 358-342.000.
- Yoshio, Kazuya: *See—*
  - Enoki, Shigenaga; Yoshio, Kazuya; and Yamaguchi, Nobuo, 4,809,801, Cl. 180-228.000.
- Yoshio, Masaki: *See—*
  - Ogino, Takao; Miyazaki, Tadaaki; Kawagoe, Takahiro; and Yoshio, Masaki, 4,863,817, Cl. 429-194.000.
- Yoshio, Taniyama; Koichi, Igarashi; and Ryuji, Marumoto, to Takeda Chemical Industries, Ltd. Novel DNA, production and use thereof. 4,849,350, 7-18-89, Cl. 435-68.000.
- Yoshioka, Akio: *See—*
  - Okayama, Yukihiro; Matsumoto, Tadashi; and Yoshioka, Akio, 4,809,415, Cl. 29-157.3AH.
- Yoshioka, Daigo: *See—*
  - Iida, Takashi; Itoh, Masatoshi; Fukuoka, Hidenori; Tsukamoto, Takeya; Kondo, Takashi; Yoshioka, Daigo; Tsumazawa, Hiroyuki; Kuwada, Atsushi; and Kojima, Kazuhiko, 4,816,860, Cl. 354-402.000.
  - Tsumazawa, Hiroyuki; Yoshioka, Daigo; and Kuwada, Atsushi, 4,862,279, Cl. 358-229.000.
- Yoshioka, Hajime; Kodama, Yukio; Shigemura, Sadato; Funada, Tohru; and Morimoto, Satoshi, to Mitsubishi Jukogyo Kabushiki Kaisha. Electrodeposited grindstone. 4,855,019, 8-8-89, Cl. 204-16.000.
- Yoshioka, Haruhiko: *See—*
  - Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.
- Yoshioka, Hideaki: *See—*
  - Hashimoto, Koji; Yoshioka, Hideaki; Asami, Katsuhiko; and Kawashima, Asahi, 4,834,806, Cl. 148-4.000.
- Yoshioka, Hideho: *See—*
  - Waku, Yoshiharu; Yoshioka, Hideho; Oba, Hiroyoshi; and Fujino, Kiyoshi, 4,879,074, Cl. 264-24.000.
- Yoshioka, Hiroshi; Fukatsu, Tsunehiko; Kuriki, Nobuharu; Aoki, Yasushi; Takeuchi, Takashi; Naitou, Tsutomu; and Mori, Nobuo, to Honda Giken Kogyo Kabushiki Kaisha; and Kabushiki Kaisha Showa Seisakusho. Compound suspension system. 4,826,207, 5-2-89, Cl. 280-714.000.
- Yoshioka, Hiroshi, to Sony Corporation. Head clogging detector for use in a video tape recorder. 4,827,361, 5-2-89, Cl. 360-64.000.
- Yoshioka, Hiroshi; Yamamoto, Akira; Takamizawa, Minoru; and Ishihara, Toshinobu, to Shin-Etsu Chemical Co., Ltd. Method for growth acceleration of plants. 4,869,747, 9-26-89, Cl. 71-106.000.
- Yoshioka, Hiroshi: *See—*
  - Ishibashi, Masayuki; and Yoshioka, Hiroshi, 4,871,940, Cl. 313-412.000.
  - Masu, Masanobu; Yoshioka, Hiroshi; Kouno, Kenzi; Nomura, Isao; and Yamamiya, Kazuo, 4,877,847, Cl. 525-397.000.
  - Suzuki, Kazuhiko; and Yoshioka, Hiroshi, 4,861,521, Cl. 260-403.000.
- Yoshioka, Kazutoshi: *See—*
  - Sakai, Hiroyuki; Yoshioka, Kazutoshi; Matsumura, Kimiharu; Shigaki, Keisuke; Amemiya, Yutaka; Iimuro, Shunichi; Yoshioka, Haruhiko; and Onoe, Teruhiko, 4,812,201, Cl. 156-643.000.
- Yoshioka, Keiichi; Watanabe, Kenji; and Kato, Yasushi, to Kawasaki Steel Corp. Zn-coated stainless steel welded pipe. 4,885,215, 12-5-89, Cl. 428-632.000.
- Yoshioka, Keiichi: *See—*
  - Azumai, Hideo; Fujii, Koichi; Seigenji, Takashi; and Yoshioka, Keiichi, 4,855,803, Cl. 357-45.000.
- Yoshioka, Kenichiro; and Hisamitsu, Hironori, to Mazda Motor Corporation. Molding installation using die. 4,880,792, 11-14-89, Cl. 425-190.000.
- Yoshioka, Kimitomo: *See—*
  - Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, 4,800,201, Cl. 514-230.800.
  - Takase, Muneaki; Yoshioka, Kimitomo; and Yamazaki, Hiroaki, 4,804,668, Cl. 514-314.000.
- Yoshioka, Kiyoharu; and Ito, Masahiko, to Canon Kabushiki Kaisha. Film conveying apparatus. 4,817,886, 4-4-89, Cl. 242-192.000.
- Yoshioka, Kouichi, to Takeda Chemical Industries, Ltd. Gamma-lactonecarboxylic acid derivatives and their use as antibacterial agents or intermediates. 4,882,434, 11-21-89, Cl. 546-283.000.
- Yoshioka, Kouichi: *See—*
  - Funai, Kiyoshi; Yamamoto, Tetsu; Maeda, Nobuaki; Imai, Hiroshi; and Yoshioka, Kouichi, 4,819,110, Cl. 360-106.000.
  - Natsugari, Hideaki; Kawano, Yasuhiko; Morimoto, Akira; and Yoshioka, Kouichi, 4,851,422, Cl. 514-370.000.
- Yoshioka, Mamoru: *See—*
  - Norota, Kazuhiko; Yoshioka, Mamoru; and Ohnaka, Hidemi, 4,825,841, Cl. 123-571.000.
  - Shibata, Norio; Mizuno, Hideaki; Satoya, Kouichi; Uchitani, Nobuki; Kamohara, Tatsuyoshi; Harada, Kenichi; Yoshioka, Mamoru; Kato, Takashi; and Ohnaka, Hidemi, 4,870,942, Cl. 123-571.000.
- Yoshioka, Masaki: *See—*
  - Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,722, Cl. 372-33.000.
  - Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,866,725, Cl. 372-56.000.
  - Deki, Kyoichi; Sugioka, Shinji; Yoshioka, Masaki; and Hata, Hiroshige, 4,868,840, Cl. 372-56.000.
- Yoshioka, Masanori; Hou, Hidemitsu; and Kawai, Nobufumi, to Tokyo Metropolitan Institute for Neurosciences; and Takeda Chemical Industries, Ltd. Glutamate receptor inhibitor. 4,855,405, 8-8-89, Cl. 530-300.000.
- Yoshioka, Mashayuki. Implement for disposing of dung of a pet animal. 4,878,703, 11-7-89, Cl. 294-1.500.
- Yoshioka, Minoru: *See—*
  - Aoyagi, Yoshio; Hirano, Hiroyuki; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko; Yokogawa, Fumihiko; Matsumoto, Keiichi; and Ogawa, Youichi, 4,879,705, Cl. 369-32.000.
  - Aoyagi, Yoshiro; Kimura, Toshiyuki; Niinuma, Susumu; Yoshioka, Minoru; Yokogawa, Fumihiko; Matsumoto, Keiichi; Haeno, Akira; Sato, Takashi; Nishi, Yoshiro; Watanabe, Yoshihiko;

Hirano, Hiroyuki; and Ogawa, Youichi, 4,829,502, Cl. 369-77.100.
Yoshioka, Naoki: *See—*
Chida, Kazunori; Yokota, Hiroshi; Kyoto, Michihisa; Sato, Hisao; Watanabe, Minoru; and Yoshioka, Naoki, 4,797,143, Cl. 65-3.120.
Kanamori, Hiroo; Tanaka, Gotaro; Kyoto, Michihisa; Yoshioka, Naoki; and Mizutani, Futoshi, 4,880,452, Cl. 65-3.120.
Kyoto, Michihisa; Yoshioka, Naoki; Tanaka, Gotaro; Kanamori, Hiroo; Watanabe, Minoru; and Nakahara, Motohiro, 4,812,155, Cl. 65-3.120.
Yoshioka, Nobuyuki; and Ishio, Noriaki, to Mitsubishi Denki Kabushiki Kaisha. Method of forming a T-shaped control electrode through an X-ray mask. 4,865,952, 9-12-89, Cl. 430-315.000.
Yoshioka, Nobuyuki; Fujiwara, Nobuo; and Watakabe, Yaichirou, to Mitsubishi Denki Kabushiki Kaisha. X-ray mask and a manufacture method therefor. 4,873,162, 10-10-89, Cl. 430-5.000.
Yoshioka, Osamu: *See—*
Kawamura, Hiroaki; Matsubara, Masanobu; Yoshioka, Osamu; and Inui, Tsuneo, 4,816,348, Cl. 428-629.000.
Yoshioka, Ritsuo; Ueda, Makoto; Motora, Yoichi; and Nakamura, Mitsuharu, to Kabushiki Kaisha Toshiba. Control blade for nuclear reactor. 4,876,060, 10-24-89, Cl. 376-333.000.
Yoshioka, Seishiro: *See—*
Kuno, Mitsutoshi; Enari, Masahiko; Shindo, Hitoshi; Shimoda, Isamu; Yoshioka, Seishiro; Kaneko, Shuzo; and Toyono, Tsutomu, 4,824,218, Cl. 350-350.00S.
Yoshioka, Shigehiko; Yoshida, Tsuneo; Sato, Hisatake; Yamada, Hideto; and Adachi, Yoshio, to Seiko Kagaku Kogyo Co., Ltd.; Nippon Oil Co., Ltd.; and Hokuetsu Paper Mills, Ltd. Composition for sizing agent and process for using the same composition. 4,810,301, 3-7-89, Cl. 106-287.240.
Yoshioka, Shigehiko; Yamada, Hideto; Honma, Akira; and Sato, Hisatake, to Seiko Kagaku Kogyo Co., Ltd.; Hokuetsu Paper Mills, Ltd.; and Nippon Oil Co., Ltd. Process for making paper using a substituted succinic anhydride as a sizing agent. 4,849,055, 7-18-89, Cl. 162-158.000.
Yoshioka, Shigehiko; Yamada, Hideto; Sato, Hisatake; and Kamei, Motokazu, to Seiko Kagaku Kogyo Co., Ltd.; Nippon Co., Ltd.; and Hokuetsu Paper Mills, Ltd. Aqueous dispersed solution of substituted succinic anhydride and process for producing the same. 4,882,087, 11-21-89, Cl. 252-312.000.
Yoshioka, Shigeo, to Toyoda Gosei Co., Ltd. Apparatus for manufacturing ring-shaped member from elongate workpiece. 4,823,576, 4-25-89, Cl. 72-17.000.
Yoshioka, Shogo: *See—*
Asaoka, Teruo; and Yoshioka, Shogo, 4,861,450, Cl. 204-224.00M.
Kuwabara, Youhei; Asaoka, Teruo; Yoshioka, Shogo; and Sugiyama, Haruki, 4,880,509, Cl. 204-129.200.
Yoshioka, Susumu: *See—*
Hayashi, Koji; Yoshioka, Susumu; and Ono, Noritsugu, 4,805,314, Cl. 33-503.000.
Yoshioka, Takao; Kitazawa, Eiichi; Yamazaki, Mitsuo; and Iizuka, Yoshio, to Sankyo Company, Limited. Lipid peroxide lowering 1,3-benzoxathiole derivative compositions and method of use therefor. 4,871,762, 10-3-89, Cl. 514-439.000.
Yoshioka, Takao; Kanai, Tsutomu; Aizawa, Yuichi; Horikoshi, Hiroyoshi; and Hasegawa, Kazuo, to Sankyo Company Limited. Thiazolidinone derivatives, their preparation and their use. 4,873,255, 10-10-89, Cl. 514-369.000.
Yoshioka, Takashi; and Doi, Akira, to Sumitomo Electric Industries, Ltd. Die for use in forming lens. 4,882,238, 11-21-89, Cl. 428-698.000.
Yoshioka, Takashi: *See—*
Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.
Yoshioka, Takayuki: *See—*
Hasegawa, Shinichi; and Yoshioka, Takayuki, 4,838,665, Cl. 350-418.000.
Yoshioka, Takeo; Chida, Noritaka; Watanabe, Azuma; Fukagawa, Yasuo; and Ishikura, Tomoyuki, to Sanraku Incorporated. 6-(disubstituted amino)carbapenam compounds. 4,812,563, 3-14-89, Cl. 540-302.000.
Yoshioka, Takeo; Minagawa, Tadao; Suzuki, Toshihiro; Yamasaki, Ichiro; and Matsushita, Yoshifumi, to Mitsubishi Denki Kabushiki Kaisha. Element and device for detecting internal faults in an insulating gas charged electrical apparatus. 4,839,767, 6-13-89, Cl. 361-42.000.
Yoshioka, Takeo: *See—*
Shibamoto, Norio; Yoshioka, Takeo; Fukagawa, Yasuo; and Ishikura, Tomoyuki, 4,853,407, Cl. 514-414.000.
Yoshioka, Teruo; Nakano, Shoji; and Sato, Yutaka, to Honda Giken Kogyo Kabushiki Kaisha. An assembling jig for assembling a fly wheel and an ignition coil to an engine. 4,879,797, 11-14-89, Cl. 29-240.000.
Yoshioka, Toshifumi: *See—*
Yamanaka, Fumie; Enomoto, Takashi; and Yoshioka, Toshifumi, 4,859,036, Cl. 350-336.000.
Yoshioka, Yasuhiro: *See—*
Tazaki, Satoru; and Yoshioka, Yasuhiro, 4,881,274, Cl. 455-296.000.
Yoshioka, Yoshihisa, to Kabushiki Kaisha Toshiba. Ultrasonic imaging apparatus. 4,846,188, 7-11-89, Cl. 128-661.010.
Yoshioka, Yoshio: *See—*
Takagi, Masayoshi; Yoshioka, Yoshio; Matsuzaki, Tetsuo; Noro, Shuhei; Ikawa, Syouji; and Naruse, Katutoshi, 4,841,431, Cl. 364-187.000.
Yoshiro, Ashina; Yamaguchi, Yasumasa; Nishida, Masashi; and Doi, Toshiaki, to Nitto Chemical Industry Co., Ltd. Method for purifying reaction solution obtained by using microbial cell, immobilized microbial cell, or immobilized enzyme. 4,844,809, 7-4-89, Cl. 210-636.000.
Yoshishige, Toshihisa: *See—*
Saito, Shuichi; Kumazawa, Hisao; Tokiwa, Toru; and Yoshishige, Toshihisa, 4,805,500, Cl. 83-277.000.
Yoshitake, Akira: *See—*
Nakatsuka, Iwao; Okuno, Masami; Shiba, Kunio; and Yoshitake, Akira, 4,885,152, Cl. 424-1.100.
Yoshitake, Hideto: *See—*
Kinouchi, Sosuke; and Yoshitake, Hideto, 4,831,954, Cl. 114-163.000.
Yoshitake, Junichi; Kitani, Hiroaki; Kashiwa, Norio; Muranaka, Takeshi; Tominari, Kenichi; and Nagamatsu, Shigeki, to Mitsui Petrochemical Industries, Ltd. Branched alpha-olefin polymer composition and process for its production. 4,798,866, 1-17-89, Cl. 525-191.000.
Yoshitake, Kazuki, to NEC Corporation. Integrated circuit having two circuit blocks therein independently energized through different power supply terminals. 4,855,863, 8-8-89, Cl. 361-91.000.
Yoshitake, Masaru: *See—*
Morimoto, Takeshi; Hamatani, Yoshiki; Yoshitake, Masaru; and Yamada, Hidemi, 4,831,499, Cl. 361-806.000.
Yoshitake, Yasuhiro; Oshida, Yoshitada; Shiba, Masataka; and Nakashima, Naoto, to Hitachi, Ltd. Illumination apparatus for exposure. 4,819,033, 4-4-89, Cl. 355-53.000.
Yoshitake, Yasuhiro: *See—*
Oshida, Yoshitada; Nakashima, Naoto; and Yoshitake, Yasuhiro, 4,862,008, Cl. 250-548.000.
Yoshitaki, Hidetoshi: *See—*
Miura, Teiji; Okamura, Toshihide; Abe, Nobumasa; Yonekub Masatoshi; Yoshitaki, Hidetoshi; and Yamazaki, Hide 4,866,593, Cl. 346-107.00R.
Yoshitomi Pharmaceutical Industries, Ltd.: *See—*
Araki, Kazuhiko; Kuroda, Tsuyoshi; Uemori, Satoru; Moriguch Akihiko; and Ikeda, Yoshifumi, 4,889,857, Cl. 514-235.200.
Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makot 4,883,902, Cl. 560-75.000.
Gohbayashi, Masayoshi; Narita, Noritsugu; and Maruno, Makot 4,885,382, Cl. 560-75.000.
Murakami, Shu; Ikebe, Tsuguo; Hakamada, Ichiro; and Yasui Osamu, 4,882,326, Cl. 514-211.000.
Nakao, Toru; Kawakami, Minoru; Morimoto, Yasuto; Takehara Shuzo; and Tahara, Tetsuya, 4,843,075, Cl. 514-248.000.
Nakao, Toru; Kawakami, Minoru; Obata, Minoru; and Mori Kenji, 4,849,421, Cl. 514-248.000.
Oe, Takanori; Kawasaki, Kazuyuki; Terasawa, Michio; and Imayoshi, Tomonori, 4,808,593, Cl. 514-291.000.
Oe, Takanori; Kawasaki, Kazuyuji; Terasawa, Michio; Imayosi Tomonori; and Yasunaga, Yukihiro, 4,808,620, Cl. 514-303.00.
Tahara, Tetsuya; Moriwaki, Minoru; Abe, Masao; and Yasu Shuji, 4,820,703, Cl. 514-220.000.
Tahara, Tetsuya; Ikebe, Tsuguo; Hakamada, Ichiro; and Yasu Osamu, 4,874,759, Cl. 514-232.500.
Taniguchi, Masaru; Saito, Hiroaki; Yamaguchi, Yutaka; Hirao Fumio; and Nakamura, Ikuro, 4,800,155, Cl. 435-7.000.
Yoshitomi, Shingo, to Kabushiki Kaisha Araki Gomu. Tool for assisti spray work at high position. 4,886,191, 12-12-89, Cl. 222-174.00.
Yoshitomi, Toshihiko; Kobayashi, Yoshimitsu; Kisaka, Yoshiyu Yoshida, Hidemi; Horie, Michikazu; Tamura, Takanori; and Ohga Mitsuaki, to Mitsubishi Chemical Industries Limited. Optical record ing medium and process for producing the same. 4,839,207, 6-13-8 Cl. 428-64.000.
Yoshitomi, Yasunari; and Iwayama, Kenzo, to Nippon Steel Corporation. Process for producing a grain-oriented electrical steel sheet having improved magnetic properties. 4,824,493, 4-25-89, C 148-111.000.
Yoshitomi, Yasunari; Iwayama, Kenzo; Nagashima, Takeo; and Yasushiro, Kenichi, to Nippon Steel Corporation. Method for producing grain-oriented electrical steel sheet with very high magnetic fl density. 4,888,066, 12-19-89, Cl. 148-113.000.
Yoshitomi, Yasuo: *See—*
Yamamoto, Sho; Minato, Osamu; Saeki, Makoto; Yoshitom Yasuo; Nakamura, Hideaki; and Kubotera, Masaaki, 4,876,0 Cl. 365-189.010.
Yoshitoshi, Makoto: *See—*
Kishimoto, Hideo; Sugita, Keizo; and Yoshitoshi, Mako 4,815,107, Cl. 375-96.000.
Yoshitoshi, You; Matsumoto, Yoshiyuki; and Kume, Hidehiro, to So Corporation. Focusing detection apparatus. 4,823,331, 4-18-89, C 369-45.000.
Yoshitoshi, You: *See—*
Kume, Hidehiro; Matsumoto, Yoshiyuki; and Yoshitoshi, Yo 4,873,429, Cl. 250-216.000.
Yoshitsugu, Noritada: *See—*
Asagiri, Katsuki; Nishimura, Yuji; Kawaharazaki, Takashi; an Yoshitsugu, Noritada, 4,850,610, Cl. 280-804.000.
Nishimura, Yuji; Kawaharazaki, Takashi; Tamura, Keiichi; Mats Kenji; Watanabe, Yasutaka; and Yoshitsugu, Noritada, 4,858,9 Cl. 280-807.000.
Yoshiuchi, Kazunori: *See—*
Kourogi, Isao; Masuda, Keiichi; Hirooka, Masami; Tomiyama Yoshio; Yoshiuchi, Kazunori; and Gokenya, Takashi, 4,802,11 Cl. 414-686.000.
Yoshiura, Keiichi: *See—*
Arai, Takuya; Yoshiura, Keiichi; and Nozawa, Isao, deceased 4,866,470, Cl. 354-288.000.

Yoshiura, Shoichiro, to Sharp Kabushiki Kaisha. Image reading apparatus. 4,885,640, 12-5-89, Cl. 358-400.000.
Yoshiura, Shoichiro: *See—*
Hagihara, Hideaki; Fukunaga, Takahiro; Takahashi, Kozo; and Yoshiura, Shoichiro, 4,849,791, Cl. 355-298.000.
Hayashi, Tatsushi; Yoshiura, Shoichiro; and Iwamoto, Ken-ichi, 4,805,001, Cl. 355-58.000.
Nakamura, Hiroshi; Hayashi, Tatsushi; Iwamoto, Ken-ichi; Okada, Kenji; Matsumoto, Kouichi; and Yoshiura, Shoichiro, 4,796,053, Cl. 355-8.000.
Ogura, Mitsuru; Yoshida, Takeshi; and Yoshiura, Shoichiro, 4,803,512, Cl. 355-3.0CH.
Sugimoto, Yuji; Tsuji, Masaru; and Yoshiura, Shoichiro, 4,802,439, Cl. 118-116.000.
Yoshiwara, Seishiro; Kawanami, Takao; Suzuki, Kenichi; and Kako, Yukihiro, to Nippon Steel Corporation. Method for producing a clad plate by hot rolling. 4,831,708, 5-23-89, Cl. 29-423.000.
Yoshiya, Tsutomu: *See—*
Imoto, Katsuyuki; Takase, Akihiko; Takai, Atsushi; Aoki, Satoshi; Yoshiya, Tsutomu; and Yamada, Shoji, 4,880,289, Cl. 350-96.180.
Yoshiyagawa, Mitsugi: *See—*
Yokoi, Koji; Yoshiyagawa, Mitsugi; and Manabe, Seiichiro, 4,824,806, Cl. 501-35.000.
Yoshiyama, Eiichi, to Kabushiki Kaisha Tiyoda Seisakusho; and Sakura Seiki Kabushiki Kaisha. Apparatus for the preparation of objects for microscopic examination. 4,834,943, 5-30-89, Cl. 422-62.000.
Yoshiyama, Kimitaka: *See—*
Enomoto, Hiromu; Dohgome, Hirofumi; Kumagai, Masao; Nakamura, Toru; and Yoshiyama, Kimitaka, 4,883,975, Cl. 307-290.000.
Yoshiyuki Corporation: *See—*
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Yoshizaki, Akira: *See—*
Kobayashi, Haruo; Yoshizaki, Akira; Hoda, Takeo; and Kashima, Masataka, 4,853,721, Cl. 354-21.000.
Yoshizaki, Haruhiko; and Kawaguchi, Norihito, to Nippon Steel Chemical Co., Ltd. Inorganic porous substance containing resin composition. 4,814,364, 3-21-89, Cl. 523-100.000.
Yoshizaki, Hideo: *See—*
Arai, Koichi; and Yoshizaki, Hideo, 4,873,222, Cl. 514-21.000.
Yoshizakiya, Yoshio: *See—*
Yamanoi, Koyu; Yoshizakiya, Yoshio; and Dehara, Masayoshi, 4,802,168, Cl. 371-27.000.
Yoshizako, Mamoru: *See—*
Cho, Toshitsura; and Yoshizako, Mamoru, 4,806,329, Cl. 423-339.000.
Itou, Takeo; Matsuda, Hidemi; Yoshizako, Mamoru; and Yagi, Osamu, 4,873,120, Cl. 427-64.000.
Yoshizato, Katsutoshi; Taira, Toshio; and Miyata, Teruo, to Koken Co., Ltd. Method of producing an artifical skin. 4,883,487, 11-28-89, Cl. 623-15.000.
Yoshizawa, Akihiko, to Olympus Optical Co., Ltd. Optical characteristic measuring apparatus for an optical recording medium substrate. 4,841,510, 6-20-89, Cl. 369-46.000.
Yoshizawa, Akihiko: *See—*
Motoyama, Kazuyasu; Yanagida, Tsuneo; Sakai, Mitsugu; Ichikawa, Hitoshi; and Yoshizawa, Akihiko, 4,837,758, Cl. 369-13.000.
Yoshizawa, Isamu; Yanai, Ginjiro; and Matsuda, Seiichi, to FEC Co., Ltd.; and Fuji Electric Co., Ltd. Driving apparatus for vertical rolling mill. 4,831,858, 5-23-89, Cl. 72-249.000.
Yoshizawa, Izuru: *See—*
Yamaguchi, Noboru; Ogawa, Satoru; Kajita, Susumu; Yoshizawa, Izuru; Waki, Kiyotaka; and Ishihara, Masayuki, 4,865,877, Cl. 427-98.000.
Yoshizawa, Junji: *See—*
Umezawa, Hamao; Nagatsu, Toshiharu; Narabayashi, Hirotaro; Takeuchi, Tomio; Iwadare, Shuichi; Matsumoto, Ikuo; Yoshizawa, Junji; Morishima, Hajime; and Tomimoto, Koji, 4,833,268, Cl. 562-444.000.
Yoshizawa, Katsuyuki; and Sawada, Tsutomu, to Nissan Motor Co., Ltd. Automobile driving force control apparatus. 4,848,505, 7-18-89, Cl. 180-197.000.
Yoshizawa, Kazuhiro; Yotsutani, Akio; Saegusa, Noboru; Ito, Koichi; Hase, Syozi; and Toki, Akio, to Nippon Telegraph and Telephone Corporation; NEC Corporation; and Kabushiki Kaisha Toshiba. Control system of a radio telephone apparatus. 4,802,201, 1-31-89, Cl. 379-62.000.
Yoshizawa, Kazuhiro: *See—*
Murata, Yoshitoshi; Yoshizawa, Kazuhiro; Yotsutani, Akio; and Ito, Koichi, 4,802,200, Cl. 379-61.000.
Yoshizawa, Kazutoshi: *See—*
Nasu, Masaki; Katori, Shigetatsu; Maehashi, Yukio; and Yoshizawa, Kazutoshi, 4,847,867, Cl. 375-36.000.
Yoshizawa, Kenji: *See—*
Nishimae, Junichi; Yoshizawa, Kenji; Taki, Masakazu; Ueda, Yoshihiro; Yanagi, Tadashi; and Iwata, Akihiko, 4,890,294, Cl. 372-57.000.
Yoshizawa LA Kabushiki Kaisha: *See—*
Matsuzawa, Hirokage; Suzuki, Ikuo; Tsuruga, Teruhisa; Orihashi, Takashi; Imanishi, Katsushi; and Takemura, Tadashi, 4,867,858, Cl. 204-290.00R.
Yoshizawa, Makoto: *See—*
Maruyama, Tadashi; Wada, Yukio; Shigematsu, Tomohisa; Suzuki, Yasoji; and Yoshizawa, Makoto, 4,870,615, Cl. 365-185.000.
Yoshizawa, Masahiro; Kikuchi, Akira; Wada, Kou; Fujinami, Minpei; and Shimazu, Nobuo, to Nippon Telegraph and Telephone Corporation. Characteristic test apparatus for electronic device and method for using the same. 4,851,768, 7-25-89, Cl. 324-158.00R.
Yoshizawa, Masao: *See—*
Mizutani, Toyonobu; Yoshizawa, Masao; and Izawa, Toichiro, 4,818,731, Cl. 501-17.000.
Yoshizawa, Masayuki: *See—*
Ozawa, Masaki; Hosaka, Toshiyuki; and Yoshizawa, Masayuki, 4,838,707, Cl. 374-171.000.
Yoshizawa, Misuzu; Uomi, Kazuhisa; Kawano, Toshihiro; Ono, Yuichi; and Kajimura, Takashi, to Hitachi, Ltd. Semiconductor laser device having high optical intensity and reliability. 4,800,565, 1-24-89, Cl. 372-45.000.
Yoshizawa, Misuzu: *See—*
Uomi, Kazuhisa; Yoshizawa, Misuzu; Ono, Yuichi; Chinone, Naoki; and Kajimura, Takashi, 4,797,891, Cl. 372-46.000.
Uomi, Kazuhisa; Chinone, Naoki; Yoshizawa, Misuzu; Nakatsuka, Shin'ichi; Kajimura, Takashi; and Ono, Yuichi, 4,811,354, Cl. 372-46.000.
Yoshizawa, Shigeo; and Ishii, Eiichi, to NEC Corporation. Pulse count type FM demodulator. 4,800,338, 1-24-89, Cl. 329-103.000.
Yoshizawa, Shigeo, to NEC Corporation. Radio pager having a light-emitting diode for providing visual alarm and signal transmission. 4,804,955, 2-14-89, Cl. 340-825.440.
Yoshizawa, Shigeo; Ohyagi, Takashi; Oda, Takashi; and Mori, Toshihiro, to NEC Corporation. Pager receiver capable of avoiding an unpleasing interruption of a displayed message. 4,855,731, 8-8-89, Cl. 340-825.440.
Yoshizawa, Shigeo: *See—*
Oyagi, Takashi; and Yoshizawa, Shigeo, 4,829,544, Cl. 375-119.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic photoreceptor. 4,803,139, 2-7-89, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic superlattice photoreceptor. 4,803,141, 2-7-89, Cl. 430-58.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic superlattice photoreceptor. 4,804,605, 2-14-89, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic superlattice photoreceptor. 4,810,605, 3-7-89, Cl. 430-58.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic photoreceptor. 4,851,312, 7-25-89, Cl. 430-57.000.
Yoshizawa, Shuji; and Ikezue, Tatsuya, to Kabushiki Kaisha Toshiba. Electrophotographic photoreceptor with superlattice structure. 4,859,552, 8-22-89, Cl. 430-57.000.
Yoshizawa, Tetsuo: *See—*
Takamizawa, Nobuyuki; Yoshizawa, Tetsuo; and Shirai, Susumu, 4,864,959, Cl. 114-315.000.
Yoshizawa, Toru: *See—*
Yamamoto, Yoshihiro; Shimokawa, Kazuhiro; Yoshizawa, Toru; Kawano, Toshihiko; and Iwai, Hiroyuki, 4,810,790, Cl. 544-311.000.
Yoshizawa, Yoshihito; Yamauchi, Kiyotaka; and Oguma, Shigeru, to Hitachi Metals, Ltd. Fe-base soft magnetic alloy and method of producing same. 4,881,989, 11-21-89, Cl. 148-302.000.
Yoshizawa, Yoshihito: *See—*
Yamauchi, Kiyotaka; Yoshizawa, Yoshihito; and Nakajima, Shin, 4,871,925, Cl. 307-106.000.
Yoshizumi, Hajime: *See—*
Ashikari, Toshihiko; Nakamura, Norihisa; Tanaka, Yoshikazu; Shibano, Yuji; and Yoshizumi, Hajime, 4,863,864, Cl. 435-205.000.
Yoshizumi, Haruo: *See—*
Matsuura, Ryo; Yoshimura, Shigeyuki; Asanuma, Yasuo; Nasu, Katsuaki; Yoshizumi, Haruo; Tsujimoto, Kazumi; and Kimura, Toshiyuki, 4,840,932, Cl. 502-202.000.
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Saito, Tamio; and Yosihara, Kunio, 4,878,098, Cl. 357-68.000.
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  Sogawa, Ichiro; Morikawa, Taketsune; Yotsuya, Koro; Nishiguchi, Masanori; Imamura, Munekazu; and Shirakura, Yasuhiko, 4,809,704, Cl. 128-675.000.

Yotsuyanagi, Junji: *See—*
  Kawakami, Yoshihiko; Hamada, Yoshitsugu; Takahashi, Takeshi; and Yotsuyanagi, Junji, 4,828,135, Cl. 220-270.000.
  Suzuki, Takashi; Yasuda, Tetsuo; Miyauchi, Otohiko; and Yotsuyanagi, Junji, 4,865,793, Cl. 264-278.000.

You, Claudine: *See—*
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You, Dengyun: *See—*
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You, Jau N.: *See—*
  Huang, Ming Y.; and You, Jau N., 4,869,361, Cl. 19[illegible]-711.000.

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Youla, Jean, to Otis Elevator Company. Detecting a defective suppressor diode in a coil driving circuit. 4,847,728, 7-11-89, Cl. 361-159.000.

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  Yee, Benjamin K. C.; and Younan, William L., 4,870,119, Cl. 523-417.000.

Younes, Hani: *See—*
  Cohn, Daniel; Younes, Hani; and Uretzky, Gideon, 4,826,945, Cl. 528-76.000.

Younes, Usama E., to Arco Chemical Company. Method for the preparation of rigid cast or transfer molded thermoset polyurethane modified polyisocyanurate compositions. 4,800,058, 1-24-89, Cl. 264-328.400.

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  Ho, Teh C.; McCandlish, Larry E.; Young, Archie R., II; and Osterhuber, Edward J., 4,831,002, Cl. 502-165.000.

Young, Bob R.: *See—*
  Pate, Charles D.; Young, Bob R.; and Plata, Hector, 4,852,393, Cl. 73-49.500.

Young, Brian: *See—*
  Powell, Richard L.; and Young, Brian, 4,806,694, Cl. 568-615.000.

Young, Brian D.: *See—*
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Young, Charles E.: *See—*
  Gruen, Dieter M.; Young, Charles E.; and Pellin, Michael J., 4,855,596, Cl. 250-305.000.
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  Hokanson, John L.; Smeltz, Palmer D., Jr.; Yanushefski, Katherine A.; Yanushefski, Michael J.; and Young, Craig A., 4,873,566, Cl. 357-74.000.

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  Goers, Steven K.; Ghossi, Parviz; Patterson, John T.; and Young, Cynthia L., 4,806,379, Cl. 426-650.000.

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  Chan, Lawrence K. M.; Coates, David; Gemmell, Peter A.; Gra George W.; Lacey, David; Toyne, Kenneth J.; Young, Daniel S.; Bone, Matthew F.; Jackson, Adam; and Scrowston, Richa M., 4,824,217, Cl. 350-350.500.
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Young, David A., to Australian Biomedical Corporation Limited. Hea surgery table. 4,807,864, 2-28-89, Cl. 269-328.000.

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  Melville, Judith B.; Hardy, L. Charles; and Young, David A., 4,863,888, Cl. 502-207.000.

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Young, Deborah A. Cosmetic preparation. 4,883,654, 11-28-89, C 424-69.000.

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Young, Dewey R.; and Duren, Richard E., to Exxon Production Research Company. Method of radial seismic data collection for improved salt structure imaging. 4,835,745, 5-30-89, Cl. 367-56.000.

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Young, Donald C., to Union Oil Company of California. Selenium-sulfur compositions and uses therefor. 4,847,087, 7-11-89, Cl. 424-702.000.

Young, Donald C., to Union Oil Company of California. Methods for recovering vanadium from phosphoric acid and vanadium sources. 4,851,199, 7-25-89, Cl. 423-65.000.

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Young, Donald R., to Young, Donald R.; and Young, Ruth L. Combination medication applicator and pet grooming. 4,799,456, 1-24-89, Cl. 119-83.000.

Young, Douglas A.; and Gilson, Jay F., to General Motors Corporation. Modular test assembly for wiring harnesses. 4,859,953, 8-22-89, Cl. 324-539.000.

Young, Douglas D. Arm rest for motor vehicle console. 4,858,995, 8-22-89, Cl. 297-411.000.

Young, Duane E. Three way locking system for a hand gun in a holster. 4,858,799, 8-22-89, Cl. 224-243.000.

Young, Edward G., to Andy River Inc. Two-stage batch filter apparatus and filtration process. 4,795,570, 1-3-89, Cl. 210-770.000.

Young, Elbert J. Article holder and selector. 4,878,584, 11-7-89, Cl. 211-59.100.

Young Engineering, Inc.: *See—*
  Young, William O., Jr., 4,815,405, Cl. 112-121.140.
  Young, William O., Jr., 4,829,918, Cl. 112-121.140.

Young, Frank E.: *See—*
  Graham, Richard S.; Yoneda, Yuko; and Young, Frank E., 4,886,754, Cl. 435-172.300.
  Yoneda, Yuko; and Young, Frank E., 4,801,541, Cl. 435-172.300.

Young, Fred D.: *See—*
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  Kennedy, James C.; Lankelis, William M.; Puckett, Edward L.; and Young, Fred D., 4,848,159, Cl. 73-641.000.

Young, Fred E. Golf ball retriever. 4,844,526, 7-4-89, Cl. 294-19.200.

Young, Frederick C.; and Binder, Walter, to Cincinnati Milacron Inc. Counterbalance assembly for rotatable robotic arm and the like. 4,804,170, 2-14-89, Cl. 267-279.000.

Young, Gary. Protective device for coils of metal. 4,840,274, 6-20-89, Cl. 206-389.000.

Young, Gary M. Sure set hook. 4,854,070, 8-8-89, Cl. 43-34.000.

Young, Gene P.: *See—*
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Young, George, to Kendall Company, The. Container assembly. 4,826,009, 5-2-89, Cl. 206-440.000.

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  Anderson, Barbara C.; and Young, Gerald P., 4,844,131, Cl. 139-192.000.

Young, Glen C., to General Electric Company. System for conditioning air, method of operating such, and circuit. 4,806,833, 2-21-89, Cl. 318-335.000.

Young, Glenda C., to Shell Oil Company. Bismaleimide resin composition containing epoxy resin and a phenolic curing agent therefor. 4,816,531, 3-28-89, Cl. 525-488.000.

Young, Grant A.; Lister, Roy D.; Wakley, William D.; and Andrews, Steven L., to Amoco Corporation. Liquid separator with tangential drive fluid introduction. 4,857,197, 8-15-89, Cl. 210-512.100.

Young, Grant A.; Wakley, William D.; and Andrews, Steven L., to Amoco Corporation. Method of controlling the separation efficiency of a hydrocyclone. 4,876,016, 10-24-89, Cl. 210-739.000.

Young, Gregory C.: *See—*
  Young, Ronald A.; and Young, Gregory C., 4,794,744, Cl. 52-282.000.

Young, Harold R.: *See—*
  McSpadden, John S.; Leatherman, Russel D.; and Young, Harold R., 4,876,653, Cl. 364-479.000.

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  McGuire, William G.; and Young, Hartley F., 4,871,032, Cl. 172-749.000.

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Young, Ian A., to Intel Corporation. Folded-cascode configured differential current steering column decoder circuit. 4,796,230, 1-3-89, Cl. 365-189.000.

Young, Ian A., to Intel Corporation. Constant current biased common gate differential sense amplifier. 4,888,503, 12-19-89, Cl. 307-530.000.

Young, Ian M.: *See—*
  Born, Peter J.; Robertson, Daniel S.; and Young, Ian M., 4,849,639, Cl. 250-483.100.

Young, Ian R., to Picker International, Ltd. Magnet systems. 4,864,240, 9-5-89, Cl. 324-318.000.

Young, Ian R.; and Hall, Alasdair S., to Picker International, Ltd. Coil arrangements in magnetic resonance apparatus. 4,882,560, 11-21-89, Cl. 335-299.000.

Young Industries, Inc., The: *See—*
  Heyl, Robert D., 4,889,452, Cl. 406-85.000.

Young, James; and Leatherman, Dennis D., to PPG Industries, Inc. Printed microporous material. 4,861,644, 8-29-89, Cl. 428-195.000.

Young, James: *See—*
  Johnson, Peter E.; and Young, James, 4,804,420, Cl. 134-15.000.
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Young, James C.: *See—*
  Powers, Thomas P.; Seppala, Earl E.; and Young, James C., 4,872,392, Cl. 89-193.000.

Young, James F.: *See—*
  Harris, Stephen E.; Young, James F.; and Normandin, Richard J., 4,802,183, Cl. 372-57.000.

Young, James L.; and Patterson, James M., Jr., to Data Card Corporation. Apparatus for imprinting a document with secure, machine readable information. 4,852,478, 8-1-89, Cl. 101-18.000.

Young, James P., to Rockwell International Corporation. Dual gate FET mixing apparatus with feedback means. 4,814,649, 3-21-89, Cl. 307-529.000.

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Young, James R.; and Moy, Michael, to Storage Technology Corporation. Encoded label having redundant and scrambled indicia for identifying a magnetic tape cartridge. 4,889,982, 12-26-89, Cl. 235-494.000.

Young, James R.: *See—*
  McLaren, Eugene H.; Putman, George W.; and Young, James R., 4,869,621, Cl. 405-263.000.
  Peppers, Norman A.; Young, James R.; Pierce, Gerald A.; Nishi, Hisami; and Katsuki, Kazuo, 4,809,344, Cl. 382-32.000.
  Peppers, Norman A.; Young, James R.; Nishi, Hisami; and Ueno, Hiroshi, 4,817,169, Cl. 382-9.000.
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Young, James R. F.; York, Brian W.; and Hemingway, Kenneth S., to Mobil Oil Corporation. Method of repairing or replacing piping and inflatable plug. 4,827,984, 5-9-89, Cl. 138-93.000.

Young, Jeffrey L., to Emerson Electric Co. Hose clip for flexible hose. 4,837,899, 6-13-89, Cl. 24-16.00R.

Young, Jeffrey L.: *See—*
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Young, Jeffrey M.: *See—*
  Weitzman, David H.; and Young, Jeffrey M., 4,829,428, Cl. 364-401.000.

Young, Joe A., to Southland Rentals, Inc. Method and apparatus for performing wireline operations in a well. 4,836,289, 6-6-89, Cl. 166-379.000.

Young, Joe W.; North, Michael V.; and Rake, Kenneth W., to Baxter International Inc. Low-volume non-bubble collecting pressure dome. 4,795,440, 1-3-89, Cl. 604-122.000.

Young, John: *See—*
  Muchowski, Joseph M.; Greenhouse, Robert; Young, John; and Murthy, D. V. Krishna, 4,833,155, Cl. 514-423.000.

Young, John A.: *See—*
  Cordova, David S.; Rowan, Hugh H.; and Young, John A., 4,879,179, Cl. 428-361.000.

Young, John B.: *See—*
  Lokken, Roger C.; and Young, John B., 4,798,025, Cl. 51-168.000.

Young, John D.; and Fischer, Ernest A., to John Zink Company. Method and apparatus for disposing of landfill produced pollutants. 4,838,184, 6-13-89, Cl. 110-346.000.

Young, John H., to Engineering Controls, Inc. Soot chaser. 4,869,209, 9-26-89, Cl. 122-379.000.

Young, John H.: *See—*
  Appleyard, F. Joseph; Mason, William L.; and Young, John H., 4,804,429, Cl. 156-209.000.

Young, John M., to ITT Gallium Arsenide Technology Center, A Division of ITT Corporation. Method of manufacture of gallium arsenide field effect transistors. 4,804,635, 2-14-89, Cl. 437-41.000.

Young, John M.: *See—*

Jones, Gordon H.; Venuti, Michael C.; and Young, John M., 4,840,965, Cl. 514-450.000.

Krantz, Alexander; and Young, John M., 4,873,232, Cl. 514-159.000.

Young, John N., to Charles C. Worth Corporation. Fishing reel handle with drag adjustment incorporated. 4,815,676, 3-28-89, Cl. 242-219.000.

Young, John R.; and Jacobson, Larry L., to American Multi-Cinema, Inc. Combination cup holder and armrest. 4,863,134, 9-5-89, Cl. 248-311.200.

Young, John S.; Kruis, Peter; and Blewitt, William D., to GTE Communication Systems Corporation. Data format conversion circuit. 4,797,654, 1-10-89, Cl. 341-50.000.

Young, John S.: *See—*

Black, James B.; Bruce, Donovan A.; Cordani, Mauro; Gilbert, Mike; Perry, Tom; Walsh, Arthur L.; Wiren, Gary; Wright, Steve A.; and Young, John S., 4,866,703, Cl. 370-60.000.

Young, Jorge A.: *See—*

Khandwala, Bhupendra J.; Young, Jorge A.; and Kalustian, Sarkis V., 4,816,658, Cl. 235-382.000.

Young, Joseph D. Animal cage assembly. 4,838,204, 6-13-89, Cl. 119-17.000.

Young, Kenneth: *See—*

Hardy, Frederick E.; Caelik, Frank; Pretty, Alastair J.; Young, Kenneth; and Scott, Gerald, 4,853,143, Cl. 252-102.000.

Young, Larry L., to Ryder International Corp. Gasket retaining cap member and method of forming same. 4,823,970, 4-25-89, Cl. 215-329.000.

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Young, Thomas E.: *See—*

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Morris, Robert A.; and Yu, Yuet-Ying, 4,801,906, Cl. 335-17.000.
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Sugata, Hiroyuki; Nakata, Kouhei; Mizusawa, Nobutoshi; Yuasa, Satoshi; Haruta, Masahiro; Hamamoto, Takashi; and Oh Kuniji, 4,798,694, Cl. 264-60.000.
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Kuriyama, Zenkichi; Aoba, Masaho; and Takeuchi, Teru 4,839,875, Cl. 369-14.000.
Yuasa, Shuji: *See*—
Tahara, Tetsuya; Moriwaki, Minoru; Abe, Masao; and Yuasa, Shuji, 4,820,703, Cl. 514-220.000.
Yuasa, Tetsuya: *See*—
Utsumi, Kenichi; Yuasa, Tetsuya; Goto, Yasuyuki; Tsugawa, Iwa and Koshino, Nagaaki, 4,889,746, Cl. 427-162.000.
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Yuasa, Yuji: *See*—
Suzuki, Hirokazu; Machida, Yoshio; and Yuasa, Yuji, 4,878,499, Cl. 178-653.00A.
Yuba, Akira: *See*—
Fujimura, Yoshisaburo; Kataoka, Kenzo; Yuba, Akira; and Komori, Hiroshi, 4,826,431, Cl. 433-29.000.
Yuba, Kazuaki: *See*—
Tsunaga, Masayuki; Yuba, Kazuaki; and Kaneko, Youichi, 4,888,135, Cl. 252-512.000.
Yubakami, Keiichi: *See*—
Imai, Akihiro; Matsuda, Hiromu; Yubakami, Keiichi; and Taguchi, Nobuyoshi, 4,839,337, Cl. 503-227.000.
Yubara, Sumiko: *See*—
Yagi, Toshiharu; Higashihata, Yoshihide; Sakuma, Hiromichi; Tanaka, Yoshito; Saito, Jouji; Inomata, Minako; Nagano, Torahiko; Nishioka, Takashi; and Yubara, Sumiko, 4,810,295, Cl. 106-38.510.
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Tejima, Yasuyuki; Sugawara, Saburo; and Yuda, Hideaki, 4,870,442, Cl. 354-403.000.
Yue, Stephen: *See*—
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Yue, Zheng. Hydraulic pumps or motors and hydrostatic transmitting systems. 4,872,536, 10-10-89, Cl. 188-290.000.
Yuen, Haison. Adjustable folding ladder. 4,842,098, 6-27-89, Cl. 182-22.000.
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Coy, Bruce H.; and Yuen, Raymond C., 4,874,970, Cl. 307-475.000.
Yuen, Yeong H.: *See*—
Pao, Liem T.; Yuen, Yeong H.; and Wu, Dan T., 4,796,821, Cl. 241-101.200.
Yueng, Edward S.: *See*—
Synovec, Robert E.; and Yueng, Edward S., 4,875,169, Cl. 364-497.000.
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Oshitani, Masahiko; and Yufu, Hiroshi, 4,844,999, Cl. 429-223.000.
Yug, Geun J., to Goldstar Co., Ltd. High voltage stabilizing circuit for prevention of overheating. 4,831,311, 5-16-89, Cl. 315-411.000.
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Yuge, Akio, to Kabushiki Kaisha Toshiba. Bundler including bill handing system which keeps track of unbundled bills. 4,825,378, 4-25-89, Cl. 364-478.000.
Yuge, Shizuo; Matsushita, Kouji; and Kawabata, Hidetoshi, to Minolta Camera Kabushiki Kaisha. Electrostatic latent image developing apparatus. 4,887,130, 12-12-89, Cl. 355-251.000.
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Matsushita, Kouji; Tange, Keigo; and Yuge, Shizuo, 4,878,082, Cl. 355-208.000.
Ueda, Hideaki; Yuge, Shizuo; and Konishi, Katsutoshi, 4,800,144, Cl. 430-58.000.
Yuge, Yooji: *See*—
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Yugen Gaisha Miyakei Company: *See*—
Miyauchi, Keinosuke, 4,830,216, Cl. 220-377.000.
Yugen Kaisha Akashi Tekkosho: *See*—
Akashi, Yuji, 4,838,562, Cl. 279-106.000.
Yugen Kaisha Arisawa: *See*—
Arisawa, Tomoharu, 4,804,569, Cl. 428-47.000.
Yugen Kaisha Hamazaki Hoso: *See*—
Akira, Usuki, 4,815,671, Cl. 241-169.100.
Yugen Kaisha Shinjo Seisakusho: *See*—
Shinjo, Katsumi, 4,881,395, Cl. 72-90.000.
Yugen Kaisha Tokumaru Kogyo: *See*—
Tokumaru, Kaoru, 4,798,453, Cl. 351-41.000.
Yugenkaisha Matsubei: *See*—
Hoashi, Chikako, 4,818,556, Cl. 426-615.000.
Hoashi, Chikako, 4,844,918, Cl. 426-92.000.
Hoashi, Chikako, 4,859,165, Cl. 425-133.100.
Yuguchi, Renichi: *See*—
Nakai, Sinichiro; Obara, Yuichi; Yuguchi, Renichi; and Tachigami, Shigeru, 4,801,191, Cl. 350-96.200.
Yuh-Geng, Tsay: *See*—
Calenoff, Emanuel; Yuh-Geng, Tsay; Jones, Ruth M.; and Scott, John R., 4,844,966, Cl. 435-7.000.
Yuh, Hideo: *See*—
Sawayama, Noboru; Kamiyama, Shinichi; Yuh, Hideo; Takashima, Masayuki; and Sekiya, Tadayuki, 4,814,821, Cl. 355-4.000.
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Yuhaku, Satoru: *See*—
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Nakatani, Seiichi; Yuhaku, Satoru; Okinaka, Hideyuki; Ishida, Toru; Makino, Osamu; and Kikuchi, Tatsuro, 4,863,683, Cl. 419-10.000.
Yuhara, Kouhei: *See*—
Ueda, Akihiro; Nakaya, Fuminori; Yuhara, Kouhei; and Aoike, Nanjou, 4,847,537, Cl. 31[illegible] 200.00R.
Yuhara, Yukitomo; and Hatakeyama, Yoshiharu, to Yoshida Industry Co., Ltd. Vanity case. 4,834,122, 5-30-89, Cl. 132-301.000.
Yuhara, Yukitomo: *See*—
Okojima, Sumio; and Yuhara, Yukitomo, 4,799,604, Cl. 220-260.000.
Yuhas, John M.; Goodman, Robert L.; and Moore, Robert E., to Adamantech, Inc. Sensitization of hypoxic tumor cells and control of growth thereof. 4,889,525, 12-26-89, Cl. 600-1.000.
Yuhashi, Yukio: *See*—
Teraoka, Masao; Ishikawa, Osamu; and Yuhashi, Yukio, 4,838,119, Cl. 74-711.000.
Yuhasz, Stephen J.: *See*—
Jacoby, Elliot; Yuhasz, Stephen J.; and Mayo, Noel, 4,825,075, Cl. 250-342.000.
Jacoby, Elliot G., Jr.; D'Aleo, Michael J.; Luchaco, David G.; Spira, Joel S.; Wagner, Richard A.; Yuhasz, Stephen J.; and Dowler, David H., 4,803,380, Cl. 307-157.000.
Luchaco, David G.; Yuhasz, Stephen J.; Hurst, Ian R.; and Spira, Joel S., 4,833,339, Cl. 307-115.[illegible]00.
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Yuhda, Sadayuki: *See*—
Kato, Isamu; Yuhda, Sadayuki; Oda, Naoki; and Suganuma, Masahiro, 4,822,567, Cl. 420-95.000.
Yui, Hiroshi; Okamura, Michiya; Ikeda, Masakazu; and Matsuo, Norio, to Mitsubishi Petrochemical Co., Ltd. Polyacetal resin composition. 4,873,282, 10-10-89, Cl. 524-496.000.
Yui, Hiroshi: *See*—
Ohmori, Michio; Okamura, Michiya; and Yui, Hiroshi, 4,841,516, Cl. 369-264.000.
Yui, Katsuhiko: *See*—
Uehara, Masatsugu; Kitamura, Haruo; Sawada, Kenzo; Nakamura, Tetsuo; Ishizawa, Takashi; Yui, Katsuhiko; Kato, Yuichi; Hiratsuka, Ryuichi; Mizukoshi, Daijiro; Wakoh, Masamitsu; and Kinoshita, Junichi, 4,867,226, Cl. 164-478.000.
Yashiro, Hirokatsu; Ohno, Jiro; Matsuo, Yoshiteru; Nishikawa, Hiroshi; Yui, Katsuhiko; and Kawamura, Hirotoshi, 4,843,894, Cl. 73-865.500.
Yui, Nobuhiko: *See*—
Ogata, Naoya; Sanui, Kohei; Yui, Nobuhiko; Kataoka, Kazunori; Okano, Teruo; and Sakurai, Yasuhisa, 4,873,292, Cl. 525-408.000.
Yui, Tomoyuki: *See*—
Isshiki, Tomiya; Yui, Tomoyuki; Abe, Mitsuo; Jono, Masahiro; and Uno, Hideo, 4,828,762, Cl. 260-396.00R.
Yui, Yasuji, to Sony Corporation. Apparatus for developing imaging sheets employing photosensitive microcapsules. 4,885,601, 12-5-89, Cl. 355-27.000.
Yui, Yoshiharu: *See*—
Takeuchi, Satoshi; Danjo, Koutaro; Tahara, Shigehiko; Yui, Yoshiharu; and Ikeda, Satoshi, 4,856,857, Cl. 350-3.600.
Yui, Yuhi: *See*—
Tsujimoto, Yoshiharu; Kinashi, Hiroshi; Yui, Yuhi; Noguchi, Teruhiko; and Kawabata, Itaru, 4,827,306, Cl. 355-3.0CH.
Yuill, Grenville K.: *See*—
Henderson, D. Grant; Yuill, Grenville K.; and Kroeker, David, 4,856,123, Cl. 4-480.000.
Yuito, Isamu; Moriwaki, Eijin; Shiiki, Kazuo; Hamakawa, Yoshihiro; and Takano, Hisashi, to Hitachi, Ltd. Thin film magnetic head. 4,881,144, 11-14-89, Cl. 360-125.000.
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Hamakawa, Yoshihiro; Shiiki, Kazuo; Shiroishi, Yoshihiro; Yuitoo, Isamu; Numasaka, Hitoshi; Kumasaka, Noriyuki; Otomo, Shigekazu; and Moriwaki, Eijin, 4,814,921, Cl. 360-126.000.
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Yukawa, Isao; and Tada, Yasuji, to Disco Abrasive Systems, Ltd. Cutter. 4,872,289, 10-10-89, Cl. 51-5.00R.
Yukawa, Keiko: *See*—
Terashita, Takaaki; Shigaki, Takao; and Yukawa, Keiko, 4,816,874, Cl. 355-38.000.
Yukawa, Masayuki: *See*—
Nakagawa, Katsuya; and Yukawa, Masayuki, 4,865,321, Cl. 273-85.00G.
Yukawa, Natsuo; and Morinaga, Masahiko. Alloy phase stability index diagram. 4,824,637, 4-25-89, Cl. 420-129.000.
Yukawa, Shinjiro: *See*—
Ozaki, Yoichi; Yukawa, Shinjiro; Ide, Takanobu; and Tsuji, Masami, 4,809,799, Cl. 180-292.[illegible]00.

- Yukawa, Shogo: *See*—
  - Minami, Katsuji; Murata, Shinichi; Tsujimoto, Susumu; Matuzaki, Yukinori; Yukawa, Shogo; and Osaka, Susumu, 4,856,574, Cl. 160-168.100.
- Yukawa, Toshihide; Kawasaki, Haruo; Nakamura, Masao; Yamashita, Takashi; and Tsuji, Toshiaki, to Ajinomoto Co., Inc. Process for the production of N-formyl-alpha-L-aspartyl-L-phenylalanine methyl ester. 4,820,861, 4-11-89, Cl. 560-41.000.
- Yukawa, Toshihide: *See*—
  - Hijiya, Toyoto; Takemoto, Tadashi; and Yukawa, Toshihide, 4,803,300, Cl. 562-450.000.
  - Sugiyama, Katsumi; Yamashita, Takashi; and Yukawa, Toshihide, 4,822,907, Cl. 560-41.000.
- Yukawa, Yoshimi; and Wakabayashi, Seiichi, to Yazaki Corporation. Winding of noise suppressing high tension resistive electrical wire. 4,800,359, 1-24-89, Cl. 338-214.000.
- Yuken Kogyo Kabushiki Kaisha: *See*—
  - Hashimoto, Toshio; Yoshino, Susumu; Ohashi, Akira; Egi, Masao; Shingu, Yasuyuki; Yoshioka, Takashi; and Hattori, Siro, 4,801,247, Cl. 417-213.000.
  - Hishinuma, Yasuo; and Ito, Hiroshi, 4,796,661, Cl. 137-487.500.
- Yuki, Ken: *See*—
  - Sato, Toshiaki; Yuki, Ken; Yamauchi, Junnosuke; and Okaya, Takuji, 4,818,788, Cl. 525-62.000.
- Yuki, Satoshi: *See*—
  - Nishi, Hiroyoshi; Watanabe, Toshiaki; Yuki, Satoshi; Morinaka, Yasuhiro; Iseki, Katsuhiko; and Sakurai, Hiroko, 4,857,542, Cl. 514-404.000.
- Yuki, Yoichi; Okamoto, Ichiro; Shibata, Tohru; and Nakamura, Hiroyuki, to Daicel Chemical Industries, Ltd. Resolving agent. 4,846,968, 7-11-89, Cl. 210-198.200.
- Yuki, Yoshiaki: *See*—
  - Okumura, Takashi; Yamaguchi, Koshiro; and Yuki, Yoshiaki, 4,836,696, Cl. 400-58.000.
- Yukihiko, Suzaki: *See*—
  - Suzuki, Yoshio; and Yukihiko, Suzaki, 4,797,828, Cl. 364-431.040.
- Yukimoto, Koji: *See*—
  - Kobayashi, Osamu; Yukimoto, Koji; and Mikami, Mitsuga, 4,874,347, Cl. 453-5.000.
  - Kobayashi, Osamu; and Yukimoto, Koji, 4,878,573, Cl. 194-338.000.
- Yukimoto, Sadao: *See*—
  - Hirose, Toshifumi; Yukimoto, Sadao; and Isayama, Katsuhiko, 4,837,401, Cl. 525-364.000.
  - Kawakubo, Fumio; Yukimoto, Sadao; and Homma, Michihide, 4,837,274, Cl. 525-100.000.
- Yukinaga, Koji: *See*—
  - Tagawa, Hajime; and Yukinaga, Koji, 4,839,691, Cl. 355-260.000.
- Yukino, Hiroyasu, to Yanmar Diesel Engine Co., Ltd. Device for mounting an implement on a tractor. 4,799,563, 1-24-89, Cl. 180-14.400.
- Yukita, Yasuo: *See*—
  - Takeuchi, Hiroshi; Kohga, Daiju; and Yukita, Yasuo, 4,856,919, Cl. 400-18.000.
- Yukitomo, Kazuo; Anan, Yoshiaki; Hattori, Masaichi; Arakawa, Kaneyasu; Hanaki, Akira; and Kihira, Koichi, to Mazuda Motor Corporation; and Kabushiki Kaisha Tokai Rika Denki Seisakusho. Switch assembly. 4,801,770, 1-31-89, Cl. 200-61.270.
- Yukl, Tex, to Spatial Communications, Inc. Farfield/nearfield transmission/reception antenna. 4,878,059, 10-31-89, Cl. 343-753.000.
- Yukon Energy Corporation: *See*—
  - Tallman, William R.; McDevitt, Steven C.; and Delancey, Warren H., 4,860,725, Cl. 126-110.00R.
- Yukutomo, Masashi: *See*—
  - Kishi, Hajimu; Takegahara, Takashi; and Yukutomo, Masashi, 4,841,432, Cl. 364-191.000.
  - Kishi, Hajimu; Tanaka, Kunio; Yukutomo, Masashi; and Matsumura, Teruyuki, 4,884,211, Cl. 364-474.220.
- Yukyan Kabushiki Kaisha: *See*—
  - Ando, Iwao, 4,807,810, Cl. 236-44.00A.
- Yule, Raymond C., to Hughes Aircraft Company. Multiple disk memory access arrangement for gridded type data. 4,847,807, 7-11-89, Cl. 364-900.000.
- Yum, Su I.: *See*—
  - Lee, Eun S.; and Yum, Su I., 4,837,027, Cl. 424-449.000.
  - Nedberge, Diane E.; Campbell, Patricia S.; Gale, Robert M.; and Yum, Su I., 4,816,258, Cl. 424-448.000.
- Yumde, Yasufumi: *See*—
  - Furuhata, Takashi; Yumde, Yasufumi; Okamura, Fujio; Noguchi, Takaharu; Shibuya, Toshifumi; Mohri, Katsuo; Arai, Takao; and Terada, Toshimichi, 4,843,493, Cl. 360-77.150.
- Yumita, Takashi: *See*—
  - Yonekura, Norihiro; Yumita, Takashi; Nezu, Yukio; Kojima, Yoshiyuki; Maeno, Shin-ichiro; and Yaguchi, Shigeharu, 4,871,751, Cl. 514-345.000.
- Yumiyama, Shigeru, to Hitachi, Ltd. Permanent-magnet generator used for an ignition device of an internal combustion engine. 4,879,486, 11-7-89, Cl. 310-254.000.
- Yumoto, Akira: *See*—
  - Watanabe, Kazuo; and Yumoto, Akira, 4,881,203, Cl. 365-203.000.
- Yumoto, Hideaki; Yonemura, Masao; and Yamada, Yoshito, to TLV Co., Ltd. Instrument to measure leakage of steam from a steam trap. 4,888,978, 12-26-89, Cl. 73-40.000.
- Yumoto, Hideaki: *See*—
  - Fujiwara, Katsuji; and Yumoto, Hideaki, 4,860,782, Cl. 137-193.000.
- Yumoto, Makoto; Yanagida, Shoji; Moriya, Tomoyuki; Takezawa, Mamoru; Kato, Shingo; Kuramochi, Osamu; Ogawa, Shunichi; Kimura, Takashi; Motohashi, Takeshi; Miyazaki, Hideto; and Hashimoto, Eiji, to Ricoh Company, Ltd. Printing device with carriage and carrier therefor each integrally press-formed from a respective metal sheet. 4,795,284, 1-3-89, Cl. 400-352.000.
- Yumoto, Makoto: *See*—
  - Kato, Shingo; Ogawa, Shunichi; Yumoto, Makoto; and Suzuki, Kazuhiro, 4,846,595, Cl. 400-320.000.
- Yumoto, Manabu: *See*—
  - Kuramoto, Kenji; and Yumoto, Manabu, 4,812,787, Cl. 333-1.100.
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  - Luttmer, Richard J.; and Yurko, Ronald J., 4,843,452, Cl. 357-68.000.
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  - Kawamoto, Hiroshi; Iwado, Shuichi; Koga, Yoichi; Izushi, Tomoya; Muto, Toshimi; and Kuroi, Nobuomi, 4,883,606, Cl. 252-32.500.
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  - Tamoto, Sadaharu, 4,823,247, Cl. 363-16.000.
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  - Russell, Donald H., 4,867,902, Cl. 252-186.320.
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  - Jondro, Boleslaw; Janik, Jan; and Pyka, Herbert, 4,842,146, Cl. 209-455.000.
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  - Fremuth, Dietmar R.-A.; Rogers, Alan E.; and Zahner, John C., 4,808,764, Cl. 585-640.000.
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  - Bocharov, Jury A.; Safonov, Anatoly V.; Nosov, Anatoly P.; Tamaris, Jury I.; Lunkov, Evgeny S.; Myakinenkov, Vladimir I.; Perepechin, Igor Y.; Rudman, Leonid L.; Salov, Viktor P.; Bovykin, Igor V.; and Zaidlin, Mark M., 4,881,399, Cl. 72-454.000.
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  - Takemura, Yasuhiko; Zen, Shinichiro; Zama, Yoshiaki; and Enyo, Hiroji, 4,822,654, Cl. 428-36.800.
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  - Musumeci, Salvatore; and Zambrano, Raffaele, 4,889,822, Cl. 437-31.000.
- Zamecnik, Paul C.: *See—*
  - Goodchild, John; and Zamecnik, Paul C., 4,806,463, Cl. 435-5.000.
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  - Clark, Russell L., Van Order, Kim L.; Suman, Michael J.; and Zandbergen, Todd A., 4,879,637, Cl. 362-141.000.
- Zander, Hans-Gunter; Bornefeld, Horst; and Holle, Bernd-Michael, to Bayer Aktiengesellschaft. Process and device for micronizing solid matter in jet mills. 4,880,169, 11-14-89, Cl. 241-5.000.
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  - Walters, Paul W.; Busch, Lloyd E.; and Zandona, Oliver J., 4,822,761, Cl. 502-38.000.
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  - Hermann, William J., Jr.; and Zanek, John R., 4,852,560, Cl. 128-762.000.
- Zanetis, C. Christopher, to Alitec Corporation. Pavement planing machine. 4,878,713, 11-7-89, Cl. 299-39.000.
- Zanetti, Elio. Automatic trimming machine, particularly for horticultural products. 4,831,925, 5-23-89, Cl. 99-636.000.
- Zanetti, Paul H. Technique for removing deposits from body vessels. 4,883,460, 11-28-89, Cl. 604-22.000.
- Zang, Klaus D., to Walter GmbH. Electric timepiece. 4,803,672, 2-7-89, Cl. 368-241.000.
- Zang, Volker. Grinding head for a machine for grinding helically grooved cutting tools. 4,817,338, 4-4-89, Cl. 51-48.0HE.
- Zange, Bernhard: *See—*
  - Geke, Juergen; and Zange, Bernhard, 4,820,344, Cl. 106-14.130.
- Zangenfeind, Helmut; Domges, Gunther; and Wurfel, Reinhart, to AGFA-Gevaert Aktiengesellschaft. Apparatus for affording access to exposed but undeveloped films in a dark chamber. 4,799,076, 1-17-89, Cl. 354-308.000.
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  - Frechette, Francis J.; Kasprzyk, Martin R.; McDowell, Douglas J.; and Zanghi, Joseph S., 4,795,673, Cl. 428-331.000.
- Zango, Linda. Cosmetic sampler. 4,794,936, 1-3-89, Cl. 132-320.000.
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- Zank, Gregg A.: *See—*
  - Chandra, Grish; and Zank, Gregg A., 4,806,612, Cl. 528-10.000.
- Zanker, Fritz; and Ohlinger, Rainer, to BASF Aktiengesellschaft. Preparation of N-(3,5-dichlorophenyl)oxazolidine-2,4-diones. 4,810,799, 3-7-89, Cl. 548-226.000.
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  - Tannenbaum, Eli; Burgess, Trevor; Kalessidis, Vassilios; Orban, Andre; Williams, John; and Zanker, Klaus, 4,887,464, Cl. 73-153.000.
- Zankich, Frank A.: *See—*
  - Harmon, Raymond E.; McCown, William R. E.; and Zankich, Frank A., 4,798,408, Cl. 292-341.180.
- Zanner, Johann: *See—*
  - Raats, Herman; Schmidt, Manfred; and Zanner, Johann, 4,811,547, Cl. 53-266.00R.
  - Schmidt, Manfred; and Zanner, Johann, 4,823,535, Cl. 53-266.00R.
- Zannini, Gianfranco, to Techmo Car S.p.A. Equipment for the mechanized replacement of the anodes in the electrolytic cells for aluminum production. 4,855,031, 8-8-89, Cl. 204-225.000.
- Zanno, Paul R.; Barnett, Ronald E.; and Roy, Glenn M., to General Foods Corporation. Sweetening with L-aminodicarboxylic acid esters. 4,822,635, 4-18-89, Cl. 426-3.000.
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- Zanoni, Carl A.; and Field, Alan H., to Zygo Corporation. Dual high stability interferometer. 4,883,357, 11-28-89, Cl. 356-349.000.
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  - Richards, Clive D. G.; and Zanoni, Robert B., 4,848,537, Cl. 198-778.000.
- Zansky, Zoltan, to Astec U.S.A. (HK) Limited. Current mode converter with controlled slope compensation. 4,837,495, 6-6-89, Cl. 323-222.000.
- Zanussi Grandi Impianti S.p.A.: *See—*
  - Garulli, Augusto; Donizetti, Gaetano; and Bandelli, Mauro, 4,833,979, Cl. 99-287.000.
- Zanzig, David J.: *See—*
  - Halasa, Adel F.; Robertson-Wilcox, Sylvia E.; Zanzig, David J.; Arconti, Richard J.; and Hsu, Wen L., 4,845,165, Cl. 526-78.000.
- Zanzig, Jurgen: *See—*
  - Meschkat, Peter; and Zanzig, Jurgen, 4,881,262, Cl. 379-402.000.
- Zaoralek, Heinz-Michael, to Schwabische Huttenwerke GmbH. Device for treating a material web. 4,875,297, 10-24-89, Cl. 34-48.000.
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  - Dyadechko, Vladimir N.; Nesterov, Ivan I.; Tolstokorova, Lidia E.; and Platonova, Svetlana V., 4,822,490, Cl. 210-611.000.
- Zapata, Alvaro. Reduced vibration portable gas operated hand saw. 4,876,797, 10-31-89, Cl. 30-388.000.
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  - Pelloux-Gervais, Pierre; Zapata, Richard; and Bres, Michel, 4,889,113, Cl. 128-201.250.
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  - Shapcott, Michael, 4,879,025, Cl. 209-559.000.
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- Zapka, Werner; Kempf, Jurgen; Keyser, Joachim; and Asch, Karl, to International Business Machines Corporation. Mask for ion, electron or X-ray lithography and method of making it. 4,855,197, 8-8-89, Cl. 430-5.000.
- Zapletal, Henry: *See—*
  - Wells, Thomas J.; Serafini, Angelo; Hiatt, Sidney A.; and Zapletal, Henry, 4,862,532, Cl. 5-247.000.

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Stolarczyk, Larry G.; Smoker, Kurt A.; Boese, Gerald J.; Mondt, William E.; Hasenack, Marvin L., Jr.; Zappanti, James L.; Smith, Seth A.; and Moore, Edward D., 4,879,755, Cl. 455-3.000.
Zappen, Hans-Wilhelm: *See—*
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Zappia, Jean M.; and Capocci, Gerald A., to Ciba-Geigy Corporation. Stabilized rigid polyvinyl chloride compositions. 4,822,833, 4-18-89, Cl. 524-99.000.
Zappia, Joseph M. Heat transfer and fluid heating device. 4,854,378, 8-8-89, Cl. 165-104.190.
Zappia, Vincenzo; and De Rosa, Mario, to Arval S.p.A. Cosmetic preparations containing ubidecarenones. 4,883,670, 11-28-89, Cl. 424-450.000.
Zapryanov, Yordan D.; Stoyadjiev, Dimcho I.; Mladenov, Desho I.; Mihailov, Lyudmil K.; Kolchakov, Kiril H.; Botev, Kostadin B.; Tzekov, Anton D.; Dinev, Kostadin J.; Andronov, Michail P.; and Kolev, Kolyo E., to Centralina Laboratoria Po Sistemi Za Upravlenie. Method and apparatus for the control of fuel consumption in an airplane. 4,814,993, 3-21-89, Cl. 364-442.000.
Zapushek, John B.; and Wrona, Thomas, to Outboard Marine Corporation. Throttle connector assembly. 4,844,650, 7-4-89, Cl. 403-197.000.
Zarabadi, Seyed R.: *See—*
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Zaramella, Bruno: *See—*
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Zarchy, Andrew S., to UOP. Chemical processing with an operational step sensitive to a feedstream component. 4,831,206, 5-16-89, Cl. 585-737.000.
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Zarchy, Andrew S.: *See—*
O'Keefe, Luke F.; Volles, Warren; and Zarchy, Andrew S., 4,831,207, Cl. 585-737.000.
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Comarmond, Jacques; Purcell, Thomas; and Zard, Lydia, 4,812,467, Cl. 514-341.000.
Purcell, Thomas; Rivron, Luc; and Zard, Lydia, 4,810,723, Cl. 514-450.000.
Zardi, Umberto, to Ammonia Casale S.A. Process to obtain an optimal gas distribution in catalytic beds for heterogeneous reactions in gaseous phase. 4,849,206, 7-18-89, Cl. 423-659.000.
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Zardiackas, Lyle D.: *See—*
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Zarelius, Christer: *See—*
Lindberg, Bjorn; and Zarelius, Christer, 4,825,930, Cl. 160-135.000.
Zaremba, Jerzy G., to TRW Inc. Rotating high-resolution shaft encoder utilizing capacitive sensing. 4,864,300, 9-5-89, Cl. 341-6.000.
Zaremba, Norman S.; Beyer, John P.; and Glenn, Thomas R., to AG Communication Systems Corporation. Tool for inserting dual in-line packaged circuits into printed circuit board sockets. 4,868,975, 9-26-89, Cl. 29-741.000.
Zaremba, Norman S.: *See—*
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Zaremski, Donald R.: *See—*
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Zaretsky, Mark C.: *See—*
Melcher, James R.; and Zaretsky, Mark C., 4,814,690, Cl. 324-61.00R.
Zarini, Franco: *See—*
Perrone, Ettore; Alpegiani, Marco; Bedeschi, Angelo; Zarini, Franco; Franceschi, Giovanni; and Bruna, Costantino D., 4,837,215, Cl. 514-192.000.
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Zarnack, Uwe J.: *See—*
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Zarnoch, Kenneth P.: *See—*
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Zaro, Marvin: *See—*
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Zarobila, Clarence J.: *See—*
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Zarogatsky, Leonid P.: *See—*
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Zaromb, Solomon. Metal-consuming power generation methods. 4,814,240, 3-21-89, Cl. 429-15.000.
Zaromb, Solomon, to United States of America, Energy. Analytical instrument with apparatus for sample concentrating. 4,829,008, 5-9-89, Cl. 436-178.000.
Zaromb, Solomon; and Stetter, Joseph R., to United States of America, Energy. Portable system and method combining chromatography and array of electrochemical sensors. 4,888,295, 12-19-89, Cl. 436-161.000.
Zarotti, Claudio. Actuator for producing a displacement movement on a set temperature being reached. 4,821,517, 4-18-89, Cl. 60-531.000.
Zarotti, Claudio, to Sonda S.r.l. Protective buffer padding element. 4,853,980, 8-8-89, Cl. 2-413.000.
Zarowitz, Barbara J.; and Twyman, Diana L. Method for determining therapeutic drug dosage using bioelectrical resistance and reactance measurements. 4,880,014, 11-14-89, Cl. 128-734.000.
Zarr, Richard S.: *See—*
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Zart, Robert C.: *See—*
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Zaruba, John V.; Rosenwinkel, Donald A.; and Breslow, Jeffrey D., to Marvin Glass & Associates. Board game with stackable tokens and random moving disrupter. 4,852,886, 8-1-89, Cl. 273-249.000.
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Terzian, Rouben T.; Breslow, Jeffrey D.; Rosenwinkel, Donald A.; and Zaruba, John V., 4,799,678, Cl. 273-1.00E.
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Zaslavsky, Gregory; Barakitis, Nikolaos; and Keeffe, William M., to GTE Products Corporation. Arc discharge lamp with ultraviolet radiation starting source. 4,818,915, 4-4-89, Cl. 315-60.000.
Zaslavsky, Gregory: *See—*
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Keeffe, William M.; Waymouth, John F.; and Zaslavsky, Gregory, 4,812,714, Cl. 315-60.000.
Zaslawsky, Abraham, to Eta sa Fabriques d'Ebauches. Watch movement having date and phases of the moon indicators. 4,881,213, 11-14-89, Cl. 368-15.000.
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  - Pham, Hieu T.; Ng, Yee S.; Kieffer, Kenneth D.; Tschang, Pin S.; and Zeise, Eric K., 4,831,395, Cl. 346-160.000.
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  - Ballmer, Horst; and Grosskopf, Rudolf, 4,876,535, Cl. 340-825.340.
  - Kruhn, Jurgen, 4,805,428, Cl. 70-393.000.
  - Sengupta, Pritimay; and Kornmayer, Ewald, 4,807,454, Cl. 70-277.000.
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  - Hagin, Faust; Seethaler, Franz; Zelinka, Robert; and Stiglmaier, Manfred, 4,796,488, Cl. 74-713.000.
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  - Petrov, Vyacheslav V.; Antonov, Alexandr A.; Tokar, Alexandr P.; Krjuchin, Andrei A.; Shanoilo, Semen M.; Skuridin, Vladimir P.; Gapchenko, Leonid M.; Kovtun, Valery D.; Demyanov, Marat L.; Zelinsky, Alexandr A.; Grinko, Dmitry A.; Ananchenko, Tatyana P.; and Kostsevich, Georgy N., 4,829,503, Cl. 369-111.000.
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  - Beamenderfer, Robert E.; Conley, Larry E.; Miller, Charles A.; Nauman, Warren D.; Pala, Ronald S.; and Zelko, William E., 4,834,674, Cl. 439-494.000.
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- Zell, Karl: *See—*
  - Glomb, Kurt; Niggl, Heinz; Pelzl, Leo; and Zell, Karl, 4,826,453, Cl. 439-595.000.
  - Pelzl, Leo; Seidel, Peter; and Zell, Karl, 4,884,975, Cl. 439-78.000.
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- Zelle, Edgar: *See—*
  - Hauke, Dieter; and Zelle, Edgar, 4,841,187, Cl. 310-171.000.
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  - Mazziotti, Philip J., 4,861,314, Cl. 464-130.000.
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- Zeller, Otto: *See—*
  - Demlehner, Ulrich; Eck, Herbert; Hopf, Heinrich; Pilzweger, Erich; and Zeller, Otto, 4,851,047, Cl. 106-111.000.
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  - Thanisch, Klaus, 4,877,144, Cl. 215-330.000.
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  - Cook, Lacy G.; Perron, Gerard M.; Zellers, Brian K.; and Cohn, Brian D., 4,826,287, Cl. 350-174.000.
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  - Kueng, Roland; and Widmer, Hanspeter, 4,853,686, Cl. 340-825.210.
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  - Felix, Ernst, 4,888,944, Cl. 57-264.000.
  - Heusser, Eduard, 4,845,983, Cl. 73-160.000.
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  - Hobi, Gunther, 4,868,731, Cl. 363-54.000.
  - Mira, Silvio; and Schwarte, Rudolf, 4,849,644, Cl. 250-561.000.
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  - Baer, Hanspeter; and Durisch, Gion, 4,837,504, Cl. 324-142.000.
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  - Grunder, Werner; Baechler, Francois; and Murbach, Erwin, 4,864,853, Cl. 75-160.000.
  - Plaschy, Martin, 4,805,276, Cl. 28-187.000.
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  Baggio, Dino; and Boscolo, Antonio, 4,890,244, Cl. 364-551.010.
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  Takemura, Yasuhiko; Zen, Shinichiro; Zama, Yoshiaki; and Enyo, Hiroji, 4,822,654, Cl. 428-36.800.
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  Adler, Robert; Fogelson, Mark; and Kaplan, Sam, 4,859,996, Cl. 340-712.000.
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  Bellavia, Andrew S., Jr., 4,837,820, Cl. 380-7.000.
  Bestler, Charles B.; Reichard, Gordon E., Jr.; and Sirazi, Semir, 4,807,023, Cl. 358-86.000.
  Blacker, Allen P., Jr.; and Garewal, Khem K. S., 4,795,391, Cl. 445-36.000.
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  Campisi, Carl; Kaliszek, Andrew; Klein, Elmer M.; Schmid, Richard G.; and Bradfish, Thomas J., 4,817,272, Cl. 29-741.000.
  Chan, John K.; Reichard, Gordon E.; and Sirazi, Semir D., 4,816,825, Cl. 340-825.500.
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  Citta, Richard W.; Gosc, Paul M.; Mutzabaugh, Dennis M.; and Sgrignoli, Gary J., 4,876,718, Cl. 380-42.000.
  Citta, Richard W.; Long, Michael E.; and Mutzabaugh, Dennis M., 4,885,776, Cl. 380-15.000.
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  Griffey, Donald E., 4,820,959, Cl. 315-384.000.
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  Hathaway, Roger C.; and Srivastava, Gopal K., 4,812,907, C 358-153.000.
  Heinz, Steven J., 4,831,443, Cl. 358-147.000.
  Janiak, Robert A.; and Davene, Jean G., 4,856,021, Cl. 373-108.000.
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  Konopka, John G., 4,862,013, Cl. 307-254.000.
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  Lee, Sae D., 4,841,372, Cl. 358-247.000.
  Livshultz, Michael; and Tong, Hua Sou, 4,854,906, Cl. 445-37.000.
  Matthews, Lloyd E., 4,885,510, Cl. 315-411.000.
  Nienaber, David K.; and Schoeffel, Gary G., 4,863,233, C 350-96.200.
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  Park, Yong S.; and Remec, Thomas M., 4,871,415, Cl. 156-626.000.
  Petrow, William M., 4,806,895, Cl. 336-65.000.
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  Sgrignoli, Gary J., 4,885,794, Cl. 455-5.000.
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Zenkich, Ilias R., to Zenex Corporation. Connection circuit and method for using monitor/defibrillator. 4,848,345, 7-18-89, Cl. 128-419.00D.
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Zentner, Gaylen M., to Merck & Co., Inc. Device for pH independent release of drugs through the Donnan-like influence of charged insoluble resins. 4,795,644, 1-3-89, Cl. 424-468.000.
Zentner, Gaylen M., to Merck & Co., Inc. Device for the controlled release of drugs with Donnan-like modulation by charged insoluble resins. 4,814,183, 3-21-89, Cl. 424-485.000.
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Zentner, Ronald C., to Boeing Company, The. Capillary primed pump. 4,830,588, 5-16-89, Cl. 417-460.000.
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  Kanapa, Dorothy J., 4,820,165, Cl. 434-276.000.
Zeroni, Ludwig: *See—*
  Pertzsch, Albert; Brunner, Hubert; and Zeroni, Ludwig, 4,884,158, Cl. 360-132.000.
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  Folkins, Jeffrey J., 4,868,907, Cl. 323-231.000.
Zerpa, Carlos: *See—*
  Martinez, Nelson P.; Galiasso, Roberto E.; Velasquez, Jose R.; Lujano, Juan; and Zerpa, Carlos, 4,857,494, Cl. 502-210.000.
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  Hoffmann, Joachim; Karner, Josef; Angstenberger, Dieter; and Zerrer, Gerhard, 4,866,846, Cl. 30-276.000.
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  McLaughlin, Hugh R., 4,879,820, Cl. 34-71.000.
Zeta Management Ltd.: *See—*
  Moore, Zachary, 4,820,990, Cl. 324-445.000.
Zetachron, Inc.: *See—*
  Snipes, Wallace C.; and Wagner, Stephen J., 4,806,337, Cl. 71-65.000.
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Zetek, Inc.: *See—*
  Fernando, Ranjit S.; and Regas, Jennine, 4,836,216, Cl. 128-734.000.
Zetena, Christopher M.; and Alexander, Roy P., to Olin Corporation. Pool chemical dispenser. 4,867,196, 9-19-89, Cl. 137-268.000.
Zetena, Maurice F., Jr. Composite cable for use in high frequency data and voice transmission. 4,860,343, 8-22-89, Cl. 379-110.000.
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  Andersson, Birgitta S.; Zethraeus, Malin C.; Herngren, Torbjorn; and Gustafsson, Jan-Erik V., 4,889,592, Cl. 162-29.000.
Zetlmeisl, Michael J.; and Fahey, William F., to Petrolite Corporation. Corrosion inhibitors. 4,877,578, 10-31-89, Cl. 422-14.000.
Zettervall, Ettmar. Spinning rod. 4,841,662, 6-27-89, Cl. 43-25.200.
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  Florian, Heinz; Unterlass, Josef; Zettl, Franz; Ramler, Johann; Kelz, Gerhard; and Moshammer, Anna, 4,819,128, Cl. 361-321.000.
Zetz, Mel: *See—*
  Ganson, Dietmar; Schutz, Heinz; and Zetz, Mel, 4,815,715, Cl. 266-268.000.
Zeuge, Gunter: *See—*
  Otzipka, Willi; Koltermann, Horst; Leipnitz, Michael; and Zeuge, Gunter, 4,802,081, Cl. 369-136.000.
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  Zhurinov, Murat Z.; Kusaiynov, Kappas; Alzhanov, Tleubai M.; Bekturganov, Zhanaly S.; Baeshov, Abduali; Zhagufarov, Asyk-At Z.; Ibishev, Kanat S.; Atabaev, Mukan D.; and Kim, Klim A., 4,822,584, Cl. 423-322.000.
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Zhang, Kaixun. High sensitivity measurement device for measuring various parameters of non-electric quantity. 4,888,987, 12-26-89, Cl. 73-204.140.
Zhang, Long N. Bi-color fluviograph of transmission and reflection type. 4,836,022, 6-6-89, Cl. 73-293.000.
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Zhang, Zhi-Dong: *See—*
  Fife, Wilmer K.; and Zhang, Zhi-Dong, 4,874,558, Cl. 562-894.000.
Zhang, Zhixin: *See—*
  Fang, Hongsheng; Zhao, Rufa; Zheng, Yankang; Chen, Ziuyun; He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keging, 4,812,182, Cl. 148-330.000.

Zhao, Ming: *See—*
  Mokotoff, Michael; Liao, Qing-jiang; Wong, Lan; and Zhao, Ming, 4,868,167, Cl. 514-176.000.
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  Fang, Hongsheng; Zhao, Rufa; Zheng, Yankang; Chen, Ziuyun; He, Guangchu; Gu, Jiaoyou; Zhu, Mingang; Zhang, Zhixin; and Tong, Keging, 4,812,182, Cl. 148-330.000.
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Zharov, Nikolai P.: *See—*
  Chevakin, Ivan V.; Radchenko, Petr A.; Pesin, Abram I.; and Zharov, Nikolai P., 4,865,391, Cl. 299-23.000.
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  Wu, Tengzhao; Gao, Yingqi; and Zhen, Yongzhang, 4,833,366, Cl. 313-618.000.
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  Mao, Bingquan; Yang, Aichun; Zheng, Ying; Yang, Juxiou; and Li, Zhulan, 4,861,847, Cl. 526-125.000.
Zheng, Yu. Automobile sunshield. 4,815,784, 3-28-89, Cl. 296-97.700.
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  Dobryakov, Valentin I.; Zhevzhik, Galina V.; Seballo, Valery A.; Zhukov, Evgeny V.; Ententeev, Altar Z.; Struzhkov, Vyacheslav N.; and Gorbachev, Alexandr S., 4,871,448, Cl. 209-169.000.
Zhilin, Vitaly A.: *See—*
  Arbeniev, Alexandr S.; Ignatiev, Alexandr A.; Zhilin, Vitaly A.; Melnikov, Alexandr S.; and Tomskikh, Sergei F., 4,872,760, Cl. 366-7.000.
Zhilinsky, Vasily V.: *See—*
  Shneerov, Yakov A.; Vikhlevschuk, Valery A.; Asnis, Arkady E.; Kondrashkin, Vitaly A.; Filonov, Gleg V.; Gurov, Vadim N.; Gutman, Lia M.; Poklady, Vadim R.; Zhilinsky, Vasily V.; Polyakov, Valery A.; Nikitenko, Valery I.; Bashmakov, Jury V.; Burshtein, Vladislav B.; Anastasiadi, Emanuil F.; Krainik, Yaroslav I.; Demerly, Konstantin P.; Ignatchenko, Pavel V.; Kozachenko, Dmitry E.; and Piptjuk, Vitaly P., 4,843,212, Cl. 219-146.230.
Zhitnikov, Valery K.: *See—*
  Dzjuban, Vitaly S.; Sazhin, Alexandr D.; Zhitnikov, Valery K.; and Konoplyanko, Anatoly I., 4,875,040, Cl. 340-825.060.
Zhizhin, Vladimir V.: *See—*
  Kostylkov, Igor G.; Rogachev, Oleg V.; Zhukov, Igor A.; Zhizhin, Vladimir V.; and Soschin, David N., 4,828,816, Cl. 423-567.00A.
Zhong, Qiang-Rong: *See—*
  Chou, Chung-Kwang; and Zhong, Qiang-Rong, 4,865,047, Cl. 128-784.000.
Zhou, Xia-Ying: *See—*
  Kostic, Nenad M.; and Zhou, Xia-Ying, 4,857,231, Cl. 252-408.100.
Zhu, Miao: *See—*
  Hall, John L.; and Zhu, Miao, 4,856,009, Cl. 372-32.000.
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  Perevozkin, Jury L.; Gajun, Jury A.; Grigorov, Petr K.; Zhurakovsky, Vasily M.; and Samelik, Boris V., 4,853,047, Cl. 148-905.000.
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Zhuxian, Qiu: *See—*
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Zia Technology, Inc.: *See—*
  Bishop, Norman G.; Bottinelli, N. Edward; and Kotraba, Norman L., 4,836,847, Cl. 75-25.000.
Ziad, Hussein: *See—*
  Friedman, Michael; Bialer, Meir; and Ziad, Hussein, 4,795,645, Cl. 424-468.000.
Ziauddin, Habeeb M.: *See—*
  Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,804,551, Cl. 426-518.000.
  Matthews, Bernard T.; Joll, David J.; Ziauddin, Habeeb M.; and Wilson, David N., 4,834,999, Cl. 426-413.000.
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Zibold, Karl: *See—*
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Zic, Richard, to Labinal Components and Systems, Inc. Electrical contact. 4,820,207, 4-11-89, Cl. 439-825.000.
Zicaro, Joseph P., to Hydro Conduit Corporation. Seal construction for bell and spigot pipe. 4,856,561, 8-15-89, Cl. 138-109.000.
Ziche, Horst: *See—*
  Wahle, Bernd; Anzinger, Hermann; Ziche, Horst; and Schinski, Erhard, 4,880,898, Cl. 528-272.000.
Zick, David L.: *See—*
  Pressley, Allan H.; and Zick, David L., 4,869,671, Cl. 439-55.000.
Zickwolf, Rolf: *See—*
  Zobel, Jurgen; Karst, Siegfried; Zickwolf, Rolf; and Ulrich, Wilfried, 4,815,833, Cl. 350-445.000.
Zide, Robert M.: *See—*
  Rector, James L.; and Zide, Robert M., 4,837,866, Cl. 2-424.000.
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  Kahlen, Hans; Jahnke, Bernd; Schmidt, Conrad; and Ziegenbein, Botho, 4,849,806, Cl. 357-51.000.
  Meinhold, Henner; Ziegenbein, Botho; and Petri, Gunther, 4,879,188, Cl. 429-7.000.
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Ziegler, Douglas V.: *See—*
  Cosentino, Patrick A.; Shea, Amy L.; Haefner, Michael E.; Ziegler, Douglas V.; Murphy, Thomas E.; and Bubie, Walter C., 4,866,638, Cl. 364-521.000.
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Ziegler, Duane H.: *See—*
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Ziegler, Eldon, Jr., to Noise Cancellation Tech. Selective active cancellation system for repetitive phenomena. 4,878,188, 10-31-89, Cl. 364-724.010.
Ziegler, Eldon W.: *See—*
  Landgarten, Harris B.; and Ziegler, Eldon W., 4,862,506, Cl. 381-71.000.
Ziegler, Erwin; Huditz, Peter; Fricke, Werner; and Weissenberger, Helmuth, to Fichtel & Sachs AG. Releaser snap connection for a pulled-type diaphragm spring clutch. 4,809,835, 3-7-89, Cl. 192-89.00B.
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  Riese, Hans-Walter; Ziegler, Erwin; Sturmer, Winfried; and Rappel, Reinhold, 4,848,555, Cl. 192-70.250.
Ziegler, Frank A.: *See—*
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Ziegler, Kurt: *See—*
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Ziegler, Thomas: *See—*
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Ziegler, Victor M., to Chevron Research Company. Post-steam alkaline flooding using buffer solutions. 4,813,483, 3-21-89, Cl. 166-274.000.
Ziegler, Walter: *See—*
  Hub, Hans-Henning; Simon, Georg N.; Heinz, Gerhard; Ziegler, Walter; and Sadlowski, Juergen, 4,880,876, Cl. 525-67.000.
  Koch, Horst; and Ziegler, Walter, 4,877,715, Cl. 430-271.000.
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Zielinski, Adam, to University of Victoria. Multipulse acoustic mapping system. 4,870,628, 9-26-89, Cl. 367-88.000.
Zielinski, Boguslaw: *See—*
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  Weinzierl, Manfred; and Zieran, Eberhard, 4,819,034, Cl. 355-41.000.
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  Magalhaes, Frank M.; Ostapiak, Roman; Walk, Ralph; and Ziesse, Norman G., 4,814,962, Cl. 363-16.000.
Zieve, Peter B. Low voltage electromagnetic pulse actuator. 4,862,043, 8-29-89, Cl. 318-114.000.
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  Lemkin, Jack L.; Peterson, Carl A.; and Zilber, Eugene A., 4,850,555, Cl. 248-87.000.
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  Croucher, Meredith W., Jr.; Fisher, James M.; Letizia, Richard; Lutz, LeRoy A.; Makowski, Ralph F.; Moyse, Richard L.; Osgood, Richard W.; Rave, John N.; Wickwire, Ward A.; and Zillmer, James F., 4,863,303, Cl. 403-11.000.
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  Clark, Stephen E., 4,807,080, Cl. 361-56.000.
  Dalrymple, Monte J., 4,885,584, Cl. 341-101.000.
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  Pamer, Walter R.; Zils, James A.; and Nichols, William E., 4,826,378, Cl. 411-338.000.

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Barnes, Brian M., 4,811,415, Cl. 382-59.000.

Zimmel, John M.; Klinkenberg, Pamela M.; Bunnelle, William L.; and Knutson, Keith C., to Fuller, H. B. Hot melt adhesives containing an additive derived from epoxy reactive hydrogen containing polymers and compounds and a polyepoxy compound. 4,871,803, 10-3-89, Cl. 525-89.000.

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Zimmer, Gero, to Productech Reflow Solder Equipment Inc. Heated tool with stop mechanism. 4,872,604, 10-10-89, Cl. 228-9.000.

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Zimmer, Gunther A. H.; Braune, Dirk H.; and Kaplinsky, Cecil H., to U.S. Philips Corporation. Data processing apparatus for time-interleaved execution of a plurality of processes. 4,853,845, 8-1-89, Cl. 364-200.000.

Zimmer, Herbert, to Dornier GmbH. Helicopter rotor blade control. 4,799,859, 1-24-89, Cl. 416-20.00R.

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Lotz, Michael, deceased; Vanino, Rudiger, deceased; Kuhl, Peter; Welte, Dieter; and Zimmer, Herbert, 4,856,735, Cl. 244-35.00R.

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Andersen, Phillip J.; and Parr, Jack E., 4,863,475, Cl. 623-16.000.

Crowninshield, Roy D.; and Zolman, Arden R., 4,795,472, Cl. 623-23.000.

Hodorek, Robert A.; and Schlotterback, Terry D., 4,795,468, Cl. 623-18.000.

Hori, Roy Y.; Lazzeri, Mark A.; Miller, Clayton R.; DeGroff, Dale A.; and Dock, Ted L., 4,813,963, Cl. 623-23.000.

Zimmer, James M.; and Bailey, William D., to Ipsco Inc. Aluminum-manganese-iron stainless steel alloy. 4,865,662, 9-12-89, Cl. 148-329.000.

Zimmer, Johannes, to Zimmer, Johannes. Method and device for applying a flowable substance. 4,833,748, 5-30-89, Cl. 8-151.000.

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Zimmer, John. Disposable combination cup and base. 4,865,199, 9-12-89, Cl. 206-515.000.

Zimmer, Karl A. Weight lifting machine for safe free-bar bench press exercising. 4,875,676, 10-24-89, Cl. 272-123.000.

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Arvidson, Russell A.; Renick, James T.; Clegg, Robert D.; and Zimmer, Lawrence E., 4,886,504, Cl. 604-257.000.

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Brown, Ian A.; Cremore, George J. J.; and Gibson, Peter J., 4,863,474, Cl. 623-16.000.

Zimmer, Mark D., to Halliburton Company. Acoustic well logging system having multiplexed filter digitizing. 4,797,668, 1-10-89, Cl. 340-857.000.

Zimmer, Mark D., to Halliburton Company. Simultaneous digitizing apparatus for an acoustic tool. 4,808,996, 2-28-89, Cl. 340-858.000.

Zimmer, Mike T.: *See—*

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Zimmer, Richard: *See—*

Burckhardt, Manfred; and Zimmer, Richard, 4,826,257, Cl. 303-111.000.

Zimmer, Robert A.: *See—*

Hunter, Andrew F.; and Zimmer, Robert A., 4,844,659, Cl. 405-224.000.

Zimmerer, Roger E.: *See—*

Evans, Mark D.; Huntington, Gregory B.; Stewart, Robert L.; Wolf, Peter H.; and Zimmerer, Roger E., 4,808,086, Cl. 427-242.000.

Zimmerlund, Hans, to Scandinavian Transshipment AB. Container. 4,858,779, 8-22-89, Cl. 220-6.000.

Zimmerly, Robert D.; and Riemer, Robert J., to Ladish Co. Two stage blender. 4,850,704, 7-25-89, Cl. 366-263.000.

Zimmerman, Abraham A.; and Vardi, Joseph, to Exxon Research and Engineering Company. Fuel composition. 4,810,263, 3-7-89, Cl. 44-72.000.

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Zimmerman, Albert H.; and Badcock, Charles C., to Aerospace Corporation, The. Apparatus and method for preventing degradation of nickel hydrogen cells and batteries. 4,800,140, 1-24-89, Cl. 429-48.000.

Zimmerman, Anthony M., to United States of America, Air Force. Surface cooling system. 4,800,718, 1-31-89, Cl. 60-264.000.

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Bernadic, Thomas J.; Lowe, Tony M.; Patterson, John H.; Katbi, Karl A.; Zimmerman, Charles E.; and Val, Yefim, 4,846,609, Cl. 407-114.000.

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Zimmerman, Dale E., to Texas Instruments Incorporated. Broadband differential amplifier. 4,812,780, 3-14-89, Cl. 330-253.000.

Zimmerman, Donna F., to Du Pont de Nemours, E. I., and Company. Herbicidal indole sulfonamides. 4,836,846, 6-6-89, Cl. 71-93.000.

Zimmerman, Donna F.: *See—*

Hay, James V.; Wexler, Barry A.; and Zimmerman, Donna F., 4,822,403, Cl. 71-90.000.

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Zimmerman, Emil F. Interfacing lift hitch. 4,850,789, 7-25-89, Cl. 414-703.000.

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Zimmerman, George O.; and Ibrahim, Abdo K., to Boston University, Trustees of. Rubbery, electrically non-conductive, and intrinsically magnetic graphite intercalation compounds and methods for their making. 4,837,377, 6-6-89, Cl. 423-448.000.

Zimmerman, Gunter: *See—*

Siegel, Harold B.; and Zimmerman, Gunter, 4,834,264, Cl. 221-200.000.

Zimmerman, Harold. Level with illuminated bubble vials. 4,876,798, 10-31-89, Cl. 33-348.200.

Zimmerman, Harold M. Backhoe machine. 4,848,010, 7-18-89, Cl. 37-103.000.

Zimmerman, Harold M. Loader bucket. 4,848,011, 7-18-89, Cl. 37-117.500.

Zimmerman, Harold M. Multi-purpose earthworking machine. 4,848,012, 7-18-89, Cl. 37-117.500.

Zimmerman, John M.; and Bishop, Timothy E., to DeSoto, Inc. Ultraviolet curable coatings for optical glass fiber. 4,798,852, 1-17-89, Cl. 522-96.000.

Zimmerman, John M.: *See—*

Krajewski, John J.; Bishop, Timothy E.; Coady, Clive J.; Zimmerman, John M.; Noren, Gerry K.; and Fisher, Christopher E. 4,806,574, Cl. 522-96.000.

Zimmerman, Karen M. Cooling/baking rack. 4,858,773, 8-22-89, Cl. 211-149.000.

Zimmerman, Karen M. Garment hanger accessory. 4,877,163, 10-31-89, Cl. 223-93.000.

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Wilson, Jon C.; Shick, David A.; Haynie, Robert L.; Wilder, Donald R.; Zimmerman, Larry D.; LeCour, Richard M.; and Gury, D. James, 4,841,526, Cl. 371-32.000.

Zimmerman, Morris: *See—*

Finke, Paul E.; Zimmerman, Morris; Doherty, James B.; Ashe, Bonnie Mae; and Dorn, Conrad P., 4,797,396, Cl. 514-210.000.

Zimmerman, Nancy J.; and Burge, David L., to Bonar Fabrics Corporation. Record diskette or disk jackets lined with powder bonded nonwoven fabrics. 4,845,583, 7-4-89, Cl. 360-133.000.

Zimmerman, Patrick G.; Johnson, Gordon G.; Korpela, Susan L.; and Vernon, Caroline L., to Minnesota Mining and Manufacturing Company. Unified pressure-sensitive adhesive tape. 4,818,610, 4-4-89, Cl. 428-345.000.

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Wu, Jeff C.; Williams, Richard T.; Rowlette, John R.; Brooks, Charles P.; and Zimmerman, Richard H., 4,877,644, Cl. 427-53.100.

Zimmerman, Robert. Press wheels for seed drills. 4,844,174, 7-4-89, Cl. 172-538.000.

Zimmerman, Robert. Trip mechanism for drill seed boot. 4,860,67 8-29-89, Cl. 111-84.000.

Zimmerman, Robert; and Winkelhake, Jeffrey L., to Cetus Corporation. Combination therapy using interleukin-2 and tumor necros factor. 4,863,727, 9-5-89, Cl. 424-85.200.

Zimmerman, Robert: *See—*

Stevens, Paul; Houston, L. L.; Koths, Kirston E.; Issell, Brian; and Zimmerman, Robert, 4,863,726, Cl. 424-85.200.

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Zimmerman, Robert L.; Waddill, Harold G.; and Speranza, George P., to Texaco Chemical Company. Melamine-diamine condensates and the cure of 1,2-epoxide resins therewith. 4,826,930, 5-2-89, Cl. 525-504.000.

Zimmerman, Robert L.: *See—*

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Sung, Rodney L.; Behrens, Milton D.; Caggiano, Michael A.; Knifton, John F.; Larkin, John M.; and Zimmerman, Robert L., 4,810,261, Cl. 44-62.000.

Zimmerman, Robert R.: *See—*

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Zimmerman, Sheldon B., to Merck & Co., Inc. Anti-gram positive bacteria tri-yne carbonates. 4,806,566, 2-21-89, Cl. 514-467.000.

Zimmerman, Sheldon B.: *See—*

Hensens, Otto D.; Kempf, August J.; Schwartz, Robert E.; Sykes, Ruth S.; Wichmann, Carol F.; Wilson, Kenneth E.; Zimmerman, Sheldon B.; and Zink, Deborah L., 4,806,565, Cl. 514-467.000.

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Zimmermann, Armin, to Licentia Patent-Verwaltungs GmbH. Stacker for letters. 4,838,539, 6-13-89, Cl. 271-305.000.

Zimmermann, Bernd D., to Siecor Corporation. Strain compensated fiber optic cable. 4,850,672, 7-25-89, Cl. 350-96.230.

Zimmermann, Egbert: *See—*

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Zimmermann, Franz: *See—*

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Zimmermann, Friedrich: *See—*

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Zimmermann, Gerd; Maier, Josef; and Gloger, Manfred, to Boehringer Mannheim GmbH. Process for the preparation of stereoisomers of 1-aminoalkylphosphonic and phosphinic acids. 4,859,602, 8-22-89, Cl. 435-280.000.

Zimmermann, Gerd: *See—*

Frey, Gunter; and Zimmermann, Gerd, 4,820,632, Cl. 435-7.000.

Zimmermann, Gunther; Friedrich, Reinhard; Nantt, Wolfgang; and Weissert, Wolfgang, to Andreas Stihl. Closure for a fuel tank. 4,872,587, 10-10-89, Cl. 220-375.000.

Zimmermann, Heinz. Process for oligomerization of olefins. 4,837,372, 6-6-89, Cl. 585-514.000.

Zimmermann, Helmut: *See—*

Wissmann, Michael; Grassmuck, Jurgen; Muller, Wilfried; and Zimmermann, Helmut, 4,867,270, Cl. 181-231.000.

Zimmermann, Herbert: *See—*

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Zimmermann, Ingfried; Windt, Fred; and Reck, Hans-Jurgen, to Schering Aktiengesellschaft. Vaginal ring. 4,822,616, 4-18-89, Cl. 424-432.000.

Zimmermann, John, to Paperboard Industries Corporation. Vent opening scoring in container lid. 4,871,071, 10-3-89, Cl. 206-628.000.

Zimmermann, Josef, to Hoechst Aktiengesellschaft. Spray head for the administration of a multi-component material by means of gas. 4,846,405, 7-11-89, Cl. 239-422.000.

Zimmermann, Jurgen: *See—*

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Zimmermann, Kurt: *See—*

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Zimmermann, Manfred: *See—*

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Zimmermann, Markus, to Ciba-Geigy Corporation. 3,5-Diacyl-4-aryl-1,4 dihydropyridine derivatives, their uses and compositions. 4,853,393, 8-1-89, Cl. 514-318.000.

Zimmermann, Markus: *See—*

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Zimmermann, Max: *See—*

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Zimmermann, Paul H.: *See—*

Halter, Hartmut; Zimmermann, Paul H.; and Achterwinter, Norbert, 4,798,351, Cl. 242-65.000.

Zimmermann, Richard E.: *See—*

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Zimmermann, Robert H.: *See—*

Ochmann, Rudolf; and Zimmermann, Robert H., 4,797,905, Cl. 378-108.000.

Ochmann, Rudolf W.; Stege, Peter; and Zimmermann, Robert H., 4,796,286, Cl. 378-108.000.

Zimmermann, Rudolf: *See—*

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- Zollinger, Ezra J. Fertilizer injecting implement and method. 4,872,412, 10-10-89, Cl. 111-121.000.
- Zollinger, Hans; and Oderbolz, Fredi, to Sulzer Brothers Limited. Weft yarn selector for a loom. 4,852,618, 8-1-89, Cl. 139-453.000.
- Zollinger, Hans, to Sulzer Brothers Limited. Pacing motion for a textile machine. 4,865,082, 9-12-89, Cl. 139-309.000.
- Zollinger, Otto, to Otto Zollinger, Inc. Combined yarn tensioning control and stop motion unit. 4,807,829, 2-28-89, Cl. 242-152.100.
- Zollinger, Otto, to Otto Zollinger, Inc. Yarn tensioning device. 4,824,043, 4-25-89, Cl. 242-149.000.
- Zollman, Peter M.; Pollard, Brendon T.; and Birch, Andrew D., to Zed Instruments Ltd. Laser engraving machine for preparing rotary screen printing screens. 4,878,127, 10-31-89, Cl. 358-299.000.
- Zollner, Christine; and Hahn, Herbert, to C. Contradty Nurnberg GmbH & Co KG. Inert composite electrode, in particular an anode for molten salt electrolysis. 4,840,718, 6-20-89, Cl. 204-286.000.
- Zollo, David A.; Benefield, Roy W.; Cain, David E.; Huang, Phillip F.; Montemayor, Brenda K.; Myers, Ray; Neeld, Stephen L.; Vicic, John C., and Wafer, Don B., to FMC Corporation. Pressure energized/-pressure intensified casing seal. 4,848,777, 7-18-89, Cl. 277-188.00A.
- Zolman, Arden R.: *See—*
  - Crowninshield, Roy D.; and Zolman, Arden R., 4,795,472, Cl. 623-23.000.
- Zolnowsky, John: *See—*
  - Cruess, Michael; Mothersole, David; Zolnowsky, John; and MacGregor, Douglas B., 4,811,274, Cl. 364-900.000.
  - Cruess, Michael; Mothersole, David; Zolnowsky, John; and MacGregor, Douglas B., 4,821,231, Cl. 364-900.000.
  - Cruess, Michael W.; Moyer, William C.; and Zolnowsky, John, 4,890,223, Cl. 364-200.000.
  - Moyer, William C.; Cruess, Michael W.; Keshlear, William M.; and Zolnowsky, John, 4,800,489, Cl. 364-200.000.
- Zolnowsky, John E.: *See—*
  - MacGregor, Douglas B.; Moyer, William C.; Zolnowsky, John E.; and Mothersole, David S., 4,887,203, Cl. 364-200.000.
- Zolock, Michael J., to Micro Motion, Incorporated. Coriolis mass flow rate meter having four pulse harmonic rejection. 4,879,911, 11-14-89, Cl. 73-861.380.
- Zolock, Michael J.: *See—*
  - Cage, Donald R.; and Zolock, Michael J., 4,802,364, Cl. 73-505.000.
  - Samson, Allan L.; and Zolock, Michael J., 4,843,890, Cl. 73-861.380.
- Zolotar, Arkady I.; Samoilovich, David S.; Karakhanian, Vladimir K.; Kuznetsov, Vyacheslav I.; Kopelyansky, Vladimir B.; Kuznetsov, Oleg V.; Nesterenko, Vladimir E.; Karachaban, Nikolai G.; Shmuratov, Georgy E.; Kljuzhin, Evgeny A.; and Livshits, Semen V. Centrifugal pump for handling liquids carrying solid abrasive paraticles. 4,854,820, 8-8-89, Cl. 415-171.100.
- Zolper, John C.: *See—*
  - Barnett, Allen M.; and Zolper, John C., 4,876,210, Cl. 437-5.000.
- Zoltan, Istvan, to Tettex AG. Electronic load for testing transformers. 4,857,827, 8-15-89, Cl. 324-55.000.
- Zoltan, Sandor: *See—*
  - Balogh, Gyula; Boros nee Gundar, Iren; Gajary, Antal; Hidasi, Gyorgy; Rappi, Andras; Rakoczi, Jozsef; Soos, Rudolf; Szekely, Istvan; and Zoltan, Sandor, 4,843,174, Cl. 562-506.000.
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- Zoltner, John D., to Xerox Corporation. Toner cartridge for use in an electrophotographic printing machine. 4,827,307, 5-2-89, Cl. 355-3.0DD.

Zoltner, John D., to Xerox Corporation. Passive "pinwheel" copy sheet rotator. 4,830,356, 5-16-89, Cl. 271-226.000
Zolyomi, Gabor: *See—*
Lang, Tibor; Korosi, Jeno; Rabloczky, Gyorgy; Hamori, Tamas; Kuhar nee Kurthy, Maria; Polgari, Istvan; Elekes, Istvan; Zolyomi, Gabor; Heltai, Krisztina; Sarossy nee Kincsesy, Judit; Lang nee Rihmer, Zsuzsanna; and Moravcsik, Imre, 4,840,948, Cl. 514-221.000.
Zombeck, Alan: *See—*
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Zomeworks Corporation: *See—*
Baer, Stephen C., 4,832,001, Cl. 126-425.000.
Zommer, Nathan, to Ixys Corporation. Semiconductor wafer with dice having briding metal structure and method of manufacturing same. 4,835,592, 5-30-89, Cl. 357-68.000.
Zommer, Nathan, to IXYS Corporation. Monolithic semiconductor device and method of manufacturing same. 4,860,072, 8-22-89, Cl. 357-23.800.
Zon, Arie Van; and Coleman, Brian, to Shell Oil Company. Lubricating oil composition. 4,876,020, 10-24-89, Cl. 252-40.500.
Zona, Mauro, to D.E.A. Digital Electronic Automation S.p.A. Coordinate-measuring machine. 4,833,789, 5-30-89, Cl. 33-503.000.
Zondler, Helmut; Hubele, Adolf; and Nyfeler, Robert, to Ciba-Geigy Corporation. N-(2-nitrophenyl)-5-aminopyrimidine derivatives and useful for controlling harmful micro-organisms. 4,840,662, 6-20-89, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; and Nyfeler, Robert, to Ciba-Geigy Corporation. 2-arylmethyliminopyrazines pyrazines, compositions and method of combating undesirable plant growth and of regulating plant growth. 4,849,009, 7-18-89, Cl. 71-92.000.
Zondler, Helmut; Eckhardt, Wolfgang; Nyfeler, Robert; and Brunner, Hans-Georg, to Ciba-Geigy Corporation. Method of combating undesirable plant growth and of regulating plant growth. 4,851,028, 7-25-89, Cl. 71-76.000.
Zondler, Rolf, to Nokia Graetz GmbH. Picture-reproducing arrangement using a picture tube, and method of manufacturing same. 4,822,143, 4-18-89, Cl. 350-337.000.
Zondler, Rolf, to Nokia Graetz GmbH. Liquid crystal alignment layer with sidechains controlling tilt angle. 4,838,658, 6-13-89, Cl. 350-339.00R.
Zondler, Rolf: *See—*
Schlipf, Michael; and Zondler, Rolf, 4,824,693, Cl. 427-98.000.
Thiel, Norbert; Gerstle, Volker; Zondler, Rolf; and Lederle, Otto, 4,827,185, Cl. 313-479.000.
Zones, Stacey I., to Chevron Research Company. Zeolite SSZ-25. 4,826,667, 5-2-89, Cl. 423-277.000.
Zones, Stacey I., to Chevron Research Company. Zeolite SSZ-24. 4,834,958, 5-30-89, Cl. 423-277.000.
Zones, Stacey I.; and Innes, R. A., to Chevron Research Company. Zeolite SSZ-23. 4,859,442, 8-22-89, Cl. 423-277.000.
Zoni, Sergio, to Dulevo S.p.A. Street sweeper machine with trash pick-up and transport capabilities. 4,884,313, 12-5-89, Cl. 15-340.300.
Zook, Christopher P., to Exabyte Corporation. Method and apparatus for determining the coefficients of a locator polynomial. 4,845,713, 7-4-89, Cl. 371-37.000.
Zook, Christopher P., to Exabyte Corporation. Multiple pass error correction process and apparatus for product codes. 4,845,714, 7-4-89, Cl. 371-50.000.
Zook, Christopher P.: *See—*
Hinz, Harry C.; and Zook, Christopher P., 4,835,628, Cl. 360-48.000.
Zook, Gerald P. Affixable padding material using gelatinous viscoelastic polymer. 4,842,931, 6-27-89, Cl. 428-354.000.
Zook, J. David: *See—*
Sullivan, Charles T.; and Zook, J. David, 4,841,140, Cl. 250-226.000.
Zook, Lee M.: *See—*
Novak, Howard L.; and Zook, Lee M., 4,877,638, Cl. 427-8.000.
Zook, Ronald E.; and Gombrich, Peter P., to CliniCom Incorporated. Portable handheld terminal including optical bar code reader and electromagnetic transceiver means for interactive wireless communication with a base communications station. 4,850,009, 7-18-89, Cl. 379-96.000.
Zook, Ronald E.: *See—*
Gombrich, Peter P.; Beard, Richard J.; Griffee, Richard A.; Wilson, Thomas R.; Zook, Ronald E.; and Hendrickson, Max S., 4,835,372, Cl. 235-375.000.
Gombrich, Peter P.; Zook, Ronald E.; and Hendrickson, Max S., 4,857,716, Cl. 235-462.000.
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Zoran, Amikam: *See—*
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Zoran Corporation: *See—*
Barkan, Mordecai; Genusov, Alex; Granski, Michael; Budnik, Paul; and Retter, Refael, 4,802,111, Cl. 364-724.100.
Blech, Ilan A.; Gerzberg, Levy; Shacham, Yosef Y.; Sinar, Alexander; and Sirkin, Eric R., 4,882,611, Cl. 357-51.000.
Retter, Refael, 4,872,132, Cl. 364-748.000.
Shacham, Yosef Y.; Sinar, Alexander B.; Sirkin, Eric R.; and Blech, Ilan A., 4,845,045, Cl. 437-030.000.
Zorb, James E.: *See—*
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Zorb, Larry D.; and Wicklund, L. Harvey, to A. Y. McDonald Manufacturing Company. Holder and shut off valve for a water flow control device. 4,862,744, 9-5-89, Cl. 73-201.000.
Zorbit Corporation: *See—*
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Zorc, Philip A.: *See—*
Higby, Jeffrey B.; McElroy, Kennedy K., Jr.; and Zorc, Philip A., 4,865,570, Cl. 440-86.000.
Higby, Jeffrey P.; McElroy, Kennedy K.; and Zorc, Philip A., 4,798,548, Cl. 440-78.000.
McElroy, Kennedy K.; Higby, Jeffrey P.; and Zorc, Philip A., 4,820,212, Cl. 440-88.000.
McElroy, Kennedy K., Jr.; Higby, Jeffrey P.; and Zorc, Philip A., 4,861,295, Cl. 440-86.000.
Zordan, Daniele. Pouring cover for paints, enamels and the like. 4,852,775, 8-1-89, Cl. 222-569.000.
Zorini, Luigi O., to Comez S.p.A. Pulling device for warp yarns in crochet galloon looms. 4,835,990, 6-6-89, Cl. 66-209.000.
Zorini, Luigi O. Operating device for thread guide rails in crochet galloon looms. 4,838,047, 6-13-89, Cl. 66-207.000.
Zorini, Luigi O., to Comez S.p.A. Control member for threading tube lifters in crochet galloon looms. 4,841,750, 6-27-89, Cl. 66-204.000.
Zorini, Luigi O., to Comez S.p.A. Fabric heating unit in crochet galloon looms. 4,845,962, 7-11-89, Cl. 66-147.000.
Zorini, Luigi O., to Comez S.p.A. Control device for threading tubes in crochet galloon looms. 4,876,862, 10-31-89, Cl. 66-207.000.
Zorinsky, Eldon J.; Spratt, David B.; and Yeakley, Richard L., to Texas Instruments Incorporated. Dielectric isolation using isolated silicon by limited anodization of an N+ epitaxially defined sublayer in the presence of a diffusion under film layer. 4,810,667, 3-7-89, Cl. 437-62.000.
Zorinsky, Eldon J.: *See—*
Spratt, David B.; Zorinsky, Eldon J.; Virkus, Robert L.; Bean, Kenneth E.; and Yeakley, Richard L., 4,849,370, Cl. 437-71.000.
Zorloni, Riccardo. Ionic air cleaner for homes and motor vehicles. 4,877,428, 10-31-89, Cl. 55-139.000.
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Zorn, Helmut; and Schaeffler, Georg, to INA Walzlager Schaeffler KG. Self-adjusting hydraulic valve tappet. 4,876,997, 10-31-89, Cl. 123-90.520.
Zorner, Paul S.: *See—*
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Zoulek, James R. Zinc alloy body for braiding machine carrier. 4,827,707, 5-9-89, Cl. 87-57.000.
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Zowarka, Raymond C.; Weeks, Damon A.; Weldon, William F.; Gully, n H.; Upshaw, Jim L.; Spann, Mike L.; and Peterson, Dennis R., to Board of Regents, The University of Texas System. High performance electromagnetic railgun launcher. 4,884,489, 12-5-89, Cl. 89-8.000.
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Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Bellie M., to Unisys Corporation. Code lengthening system. 4,809,295, 2-28-89, Cl. 375-1.000.
Zscheile, John W., Jr.; Lundquist, Alan E.; and Spencer, Billie M., to Unisys Corp. Burst jammer erasure circuit for spread spectrum receivers. 4,890,297, 12-26-89, Cl. 375-1.000.
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Lundquist, Alan E.; Spencer, Billie M.; and Zscheile, John W., Jr., 4,817,001, Cl. 364-460.000.
Lundquist, Alan E.; Kingston, Samuel C.; Spencer, Billie M.; and Zscheile, John W., Jr., 4,817,113, Cl. 375-1.000.
Shestag, Lowell N.; Zscheile, John W., Jr.; Lundquist, Alan E.; and Kirkpatrick, Glen S., 4,827,269, Cl. 343-766.000.
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Csillag, Zsolt; Kalman, Tibor; Zsembery, Laszlo; Szentgyorgyi, Geza; Keebe, Gyorgy; Hidvegy, Eva; and Solymar, Karoly, 4,828,617, Cl. 106-14.340.
Zsifkovits, Johann, to Emhart Industries, Inc. Supporting mechanism for three moulds in a glassware forming machine. 4,861,365, 8-29-89, Cl. 65-323.000.
Zsifkovits, Johann, to Emhart Industries Inc. Supporting mechanism for mould side portions in a glassware forming machine. 4,878,935, 11-7-89, Cl. 65-323.000.
Zsiga, Johann P.: *See—*
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Barry, Michael W.; Tompkins, E. Neal; and Zuber, Peter, 4,839,722, Cl. 358-80.000.
Zubli, Albert F. Releasable pull cord engagement device. 4,811,466, 3-14-89, Cl. 24-115.00G.
Zucca-Kunze, Antoinette, heir: *See—*
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Zuccaro, Dante C.: *See—*
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Zuccato, Giuliano M., to Ford Motor Company. Method of making styling models. 4,867,922, 9-19-89, Cl. 264-40.100.
Zuccato, Remo, to Frau S.p.A. Centrifugal separator of liquids with rotating seals on the fixed upper head. 4,810,240, 3-7-89, Cl. 494-14.000.
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Zucker, Friedhelm, to Deutsche Thomson-Brandt GmbH. Optical scanning system for focussing a compact-disk player. 4,888,476, 12-19-89, Cl. 250-201.000.
Zucker, Joseph; Shen, Nelson M.; Campbell, Bruce D.; Rodhe, Peder; and Call, Tom, to Raychem Corp. Distribution optical fiber tap. 4,889,403, 12-26-89, Cl. 350-96.150.
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Zucker, Myron; Jawernycky, Ronald G.; Lowenstein, Michael Z.; and Park, Gerald L., to Myron Zucker, Inc. Apparatus for measuring harmonic distortion in a conductor, and methods of constructing and utilizing same. 4,818,947, 4-4-89, Cl. 324-57.0DE.
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Zuckerkandl, Emile, to Linus Pauling Institute of Science and Medicine. Method for preparing a macromolecular monoclonal antibody composition. 4,863,729, 9-5-89, Cl. 424-85.800.
Zuckerman, Steven. Outboard marine engine stabilizing device. 4,826,460, 5-2-89, Cl. 440-55.000.
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Zufang, Arthur A.; and Fabrie, Robert A. M. J., to Stork Brabant B.V. Method for making a web of plastic material. 4,810,315, 3-7-89, Cl. 156-84.000.
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Zuger, Stefan, to BBC Brown, Boveri & Company, Ltd. Address transformation circuit arrangement. 4,811,212, 3-7-89, Cl. 364-200.000.
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Zuiddam, Evert; and Zuiddam, B. J. Rollable floor mat. 4,866,808, 9-19-89, Cl. 15-161.000.
Zuiderveld, Karel J.; and Romeny, Ter H. B. M., to U.S. Philips Corporation. Device for and method of subtraction imaging with reduction of motion artefacts. 4,870,692, 9-26-89, Cl. 382-6.000.
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Zukowski, Raymond C.; and Zukowski, Terrance M., to Zukowski Enterprises. Tie-down device for trucks. 4,818,162, 4-4-89, Cl. 410-116.000.
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Lamboy, Peter; Steigerwald, Franz; Zulauf, Karlheinz; and Ginnow-Markert, Harmut, 4,877,065, Cl. 141-18.000.
Zulauf, Wolfgang; and Huflage, Bernhard, to Melitta-Werke Bentz & Sohn. Block-shaped display carton. 4,865,187, 9-12-89, Cl. 206-45.310.
Zulian, Ferruccio, to Honeywell Bull Italia S.p.A. Memory systems and related error detection and correction apparatus. 4,862,462, 8-29-89, Cl. 371-38.000.
Zulich, Alan W.: *See—*
Gordon, Norman R.; King, Lloyd L.; Jackson, Peter O.; and Zulich, Alan W., 4,848,167, Cl. 73-864.710.
Zuloaga, Jaime A., Jr.: *See—*
Schoenig, Frederick C., Jr.; Walker, Edward S.; Cueman, Michael K.; Haughton, Robert A.; and Zuloaga, Jaime A., Jr., 4,857,260, Cl. 376-245.000.
Zultzke, Walter; and Lehnert, Walter, to Leybold-Heraeus GmbH. Test-glass changer. 4,828,391, 5-9-89, Cl. 356-382.000.
Zultzke, Walter; and Grunewald, Andreas, to Leybold-Aktiengesellschaft. Method for creating a corrosion-resistant, largely absorption-free coating on the surface of a workpiece. 4,868,004, 9-19-89, Cl. 427-42.000.
Zumbach Electronic AG: *See—*
Kaser, Beda, 4,832,426, Cl. 350-3.720.
Zumbrun, Harold R.: *See—*
Lewis, John T.; and Zumbrun, Harold R., 4,826,036, Cl. 220-232.000.
Zumbusch, Peter C. Gearless indexing device. 4,819,923, 4-11-89, Cl. 269-63.000.
Zumkeller, Oskar: *See—*
Fesenmeier, Hugo; Zumkeller, Oskar; Schneider, Werner; and Grieser, Hans, 4,853,666, Cl. 336-130.000.
Zummer, Linda A.: *See—*
Query, Daniel S.; and Zummer, Linda A., 4,812,810, Cl. 340-545.000.

Zumoto, Nobuyuki; Sakamoto, Masahiko; and Hoshinouchi, Susumu, to Mitsubishi Denki Kabushiki Kaisha. Electron-beam exposure apparatus. 4,879,473, 11-7-89, Cl. 250-492.200.

Zumsteg, Deborah M.: *See—*
Cantwell, Robert R.; Hallemann, Raymond F.; and Zumsteg, Deborah M., 4,877,044, Cl. 135-104.000.

Zumstein, Bruno; Angehrn, Anton; and Stahel, Beat, to Ulrich Steinemann AG. Process for laminating plate packs, in particular transformer cores. 4,831,718, 5-23-89, Cl. 29-609.000.

Zumstein, Ernst, to Bystronic Laser AG, Industrestrasse. Process and installation for producing workpieces. 4,859,828, 8-22-89, Cl. 219-121.670.

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Weissenbach, Albertus; Schaumann, Gerd; and Wanner, Wolfgang H., 4,863,223, Cl. 312-209.000.

Zun, Hong-Fu. Releasable swivel lock assembly for a canopy support of a stroller. 4,880,331, 11-14-89, Cl. 403-24.000.

Zund, Karl, to Karl Zund & Co. AG. Adjusting mechanism for a chair. 4,832,402, 5-23-89, Cl. 297-302.000.

Zundel, Fritz, to Filterwerk Mann & Hummel GmbH. Soot collector with fluid metering device. 4,842,623, 6-27-89, Cl. 55-262.000.

Zunder, Reinhard: *See—*
Wojtech, Bernhard; Rittner, Siegbert; Reiss, Heinz; and Zunder, Reinhard, 4,864,065, Cl. 568-155.000.

Zuniga, Gerardo: *See—*
Aguillen, Domingo V., Jr.; Casares, Pete P.; DeForrest, John E.; Green, Kevin C.; Kavanagh, Rocque A.; Wilkinson, Bryan; Marks, Marc K.; and Zuniga, Gerardo, 4,796,347, Cl. 29-280.000.

Zunkel, Gary D., to Halliburton Company. Pressure limiter for a downhole pump and testing apparatus. 4,877,086, 10-31-89, Cl. 166-106.000.

Zunkel, Gary D.; Beck, H. Kent; and Christensen, Jon B., to Halliburton Company. Above packer perforate, test and sample tool and method of use. 4,883,123, 11-28-89, Cl. 166-264.000.

Zunker, Donald C. Security bracket. 4,801,121, 1-31-89, Cl. 248-551.000.

Zupancic, Joseph J.; and Conrad, Jeffrey P., to Allied-Signal Inc. Ethers of the condensation products of phenoldicyclopentadiene adducts with aldehydes and ketones as thermosetting resins. 4,804,721, 2-14-89, Cl. 525-502.000.

Zupancic, Joseph J.; Frechet, Jean M. J.; Zweig, Andrew M.; and Conrad, Jeffery P., to Allied-Signal Inc. Ethers of oligomeric phenol-dialdehyde condensation products and a vinyl-benzyl compound. 4,816,498, 3-28-89, Cl. 522-166.000.

Zupancic, Joseph J.; Conrad, Jeffrey P.; Wrezel, James A.; Zweig, Andrew M.; and Frechet, Jean M. J., to Allied-Signal Inc. Vinyl-benzyl ethers of phenol-dicyclopentadiene adducts as new thermosetting resins for composites. 4,824,920, 4-25-89, Cl. 525-534.000.

Zupancic, Joseph J.; Zweig, Andrew M.; and Wrezel, James A., to Allied-Signal Inc. Styrene terminated multifunctional oligomeric phenols as new thermosetting resins for composites. 4,855,375, 8-8-89, Cl. 526-247.000.

Zupancic, Joseph J.: *See—*
Swedo, Raymond J.; and Zupancic, Joseph J., 4,885,091, Cl. 210-500.370.

Zupanick, Joseph E.; and McBride, Carl D., to Atlantic Richfield Company. Optical device with adjusting means. 4,865,424, 9-12-89, Cl. 350-321.000.

Zupet, Pavle: *See—*
Kobe, Joze; Gnidovec, Joze; and Zupet, Pavle, 4,826,981, Cl. 544-276.000.

Zupkas, Paul F.: *See—*
Kreuzer, Rudolf; Noda, Wayne A.; Stockert, Friedemann; and Zupkas, Paul F., 4,808,158, Cl. 604-49.000.

Zupon, Martin: *See—*
Yim, Zachary; Zupon, Martin; and Chaudry, Imtiaz, 4,871,538, Cl. 424-85.700.

Zupon, Michael A.: *See—*
Yim, Zachary; Zupon, Michael A.; and Chaudry, Imtiaz A., 4,851,220, Cl. 424-85.700.
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Zuponcic, Ralph P.: *See—*
Fetcenko, Raymond M.; Wydro, Jan; and Zuponcic, Ralph P., 4,888,082, Cl. 156-500.000.

Zur, Joseph G., to Supac Systems, Inc. Container extraction and transfer mechanism for an automated storage and retrieval system. 4,856,956, 8-15-89, Cl. 414-280.000.

Zur, Reinhard, to Koh-I-Noor Rapidograph, Inc. Writing element with exchange mechanism. 4,833,490, 5-23-89, Cl. 346-139.00R.

Zur, Yuval; and Bendel, Peter, to Elscint Ltd. Prevention of steady state transverse magnetization in fast imaging sequences. 4,795,978, 1-3-89, Cl. 324-309.000.

Zur, Yuval: *See—*
Barnea, Daniel; Stokar, Saul; Zur, Yuval; Kaplan, Noam; and Ban, Amir, 4,825,161, Cl. 324-309.000.

Zurakowski, Mark P., to Hewlett-Packard Company. Detector and mixer diode operative at zero bias voltage. 4,839,709, 6-13-89, Cl. 357-30.000.

Zuranski, Edward S.; Springer, David W.; Balka, Chad; and Betts, William L., to Paradyne Corporation. Remote eye pattern display for digital modems. 4,833,690, 5-23-89, Cl. 375-8.000.

Zuranski, Edward S.: *See—*
Betts, William L.; and Zuranski, Edward S., 4,811,357, Cl. 375-1.000.
Betts, William L.; and Zuranski, Edward S., 4,862,464, Cl. 371-43.000.

Zuranski, Robert M.: *See—*
Torgrim, Willard J.; and Zuranski, Robert M., 4,809,272, Cl. 370-110.300.

Zuraski, Jeffery A.; Pawlak, Andrzej M.; Graber, David W.; and Babineau, James W., to General Motors Corporation. Electromagnetic control apparatus for varying the driver steering effort of a hydraulic power steering system. 4,871,040, 10-3-89, Cl. 180-142.000.

Zuraski, Jeffery A.: *See—*
Graber, David W.; Pawlak, Andrzej M.; and Zuraski, Jeffery A., 4,886,138, Cl. 180-142.000.
Pawlak, Andrzej M.; Graber, David W.; and Zuraski, Jeffery A., 4,886,137, Cl. 180-142.000.

Zurawski, John H., to Digital Equipment Corporation. Method and apparatus for high performance division. 4,872,214, 10-3-89, Cl. 364-766.000.

Zurawski, Vincent R., Jr.: *See—*
Schoemaker, Hubert J. P.; Wands, Jack R.; Westrick, Barbara L.; and Zurawski, Vincent R., Jr., 4,827,167, Cl. 436-513.000.
Wands, Jack R.; Zurawski, Vincent R., Jr.; and Schoemaker, Hubert J. P., 4,879,219, Cl. 435-7.000.

Zurcher, Erwin: *See—*
Cottenceau, Remi; Zurcher, Erwin; and Vermot-Gaud, Jacques, 4,827,740, Cl. 66-75.100.
Cottenceau, Remi; and Zurcher, Erwin, 4,829,759, Cl. 57-22.000.
Cottenceau, Remi; and Zurcher, Erwin, 4,888,943, Cl. 57-22.000.

Zurcher, John A., to Zebco Corporation. Depth setting device for a spinning reel. 4,875,639, 10-24-89, Cl. 242-309.000.

Zurcher, Urs, to BBC Brown Boveri AG. Damping circuit for turn-off valves. 4,888,676, 12-19-89, Cl. 363-58.000.

Zurcher, Urs: *See—*
Knaffl, Berislav; Knapp, Peter; Rufer, Alfred-Christophe; Zurcher, Urs; and Gotaas, Birger, 4,800,481, Cl. 363-70.000.

Zurcher, Werner: *See—*
Ott, Walter H.; Steinmeier, Roland; and Zurcher, Werner, 4,831,971, Cl. 123-25.00A.

Zurfluh, Rene: *See—*
Bruderer, Hans; and Zurfluh, Rene, 4,833,245, Cl. 540-587.000.
Luthy, Christoph; and Zurfluh, Rene, 4,871,757, Cl. 514-383.000.

zur Hausen, Manfred: *See—*
Fuhrmann, Werner; zur Hausen, Manfred; and Krix, Wilfried, 4,855,458, Cl. 549-248.000.

Zuricher Beuteltuchfabrik AG: *See—*
Muller, Hans-Rudolf, 4,811,693, Cl. 119-15.000.

Zur Muhlen, Art D.; and Brescia, Albert A., to NCR Corporation. Electronic journal window display. 4,852,042, 7-25-89, Cl. 364-900.000.

Zurn, Georg: *See—*
Kade, Werner; Bahr, Theodor; Zurn, Georg; and Rohde, Gunter, 4,800,687, Cl. 51-289.00R.

Zurn, Shayne M.: *See—*
Nelson, Hilding E.; Brown, Jeffrey O.; and Zurn, Shayne M., 4,797,838, Cl. 364-551.010.

Zurru, Sergio; and Alberti, Romano, to Innse Innocenti Santeustacchio S.p.A. Die exchange device for horizontal axis extruding presses. 4,856,314, 8-15-89, Cl. 72-263.000.

Zurwelle, Donald W.: *See—*
Bunyea, Roderick F.; and Zurwelle, Donald W., 4,875,879, Cl. 439-501.000.

Zushi, Shizuo; Miyamoto, Mitsuo; Gou, Hiroshi; Kobayashi, Fumiyuki; and Ogata, Tetsuo, to Hitachi, Ltd. Electronic apparatus cooling system. 4,837,663, 6-6-89, Cl. 361-384.000.

Zusi, Fred C.: *See—*
Tramposch, Kenneth M.; Zusi, Fred C.; and Marathe, Suresh A., 4,861,798, Cl. 514-575.000.

Zusmanovsky, Zinovy A.: *See—*
Tsirjulnikov, Moisei V.; and Zusmanovsky, Zinovy A., 4,872,447, Cl. 128-79.000.

Zust, Armin: *See—*
von Sprecher, Georg; Frostl, Wolfgang; and Zust, Armin, 4,833,169, Cl. 514-530.000.

Zutt, Ulrich: *See—*
Budecker, Ludwig; David, Anton; Obersteiner, Georg; Zutt, Ulrich; and Guse, Hans-Albrecht, 4,807,945, Cl. 303-114.000.

Zvenyatsky, Boris: *See—*
Isaacs, Jack L.; and Zvenyatsky, Boris, 4,881,545, Cl. 227-178.000.

Zvi, Dank, to Magal Security Systems, Limited. Security fence system. 4,829,286, 5-9-89, Cl. 340-541.000.

ZVS Adamovske strojirny: *See—*
Svoboda, Antonin; Hoder, Borivoj; and Jurny, Josef, 4,848,228, Cl. 101-147.000.

Zwack, Eduard, to Siemens Aktiengesellschaft. Phase locked loop wherein phase comparing and filtering are performed by microprocessor. 4,864,253, 9-5-89, Cl. 331-1.00A.

Zwack, Eduard: *See—*
Geissler, Friedrich; Zwack, Eduard; and Heitmann, Juergen, 4,835,481, Cl. 328-155.000.

Zwack, Robert R.: *See—*
McCollum, Gregory J.; and Zwack, Robert R., 4,810,535, Cl. 427-410.000.

Zwagemakers, Johannes M. A.: *See—*
Van Wijngaarden, Ineke; Zwagemakers, Johannes M. A.; and Van Dijk, Jan, 4,889,849, Cl. 514-218.000.

Zwagerman, Jan. Constructive assembly comprising separate assembly parts. 4,833,856, 5-30-89, Cl. 52-593.000.

Zwagerman, Jay A.: *See—*
Bernick, David L.; Chan, Kenneth K.; Chan, Wing M.; Dan, Yie-Fong; Hoang, Duc M.; Hussain, Zubair; Iswandhi, Geoffrey I.; Korpi, James E.; Sanner, Martin W.; Zwagerman, Jay A.; Silverman, Steven G.; and Smith, James E., 4,821,170, Cl. 364-200.000.
Zacher, A. Richard; Zwagerman, Jay A.; and Dwan, Francis J., 4,800,462, Cl. 361-413.000.

Zwambag, Henry: *See—*
Brouwer, Gerardus J.; and Zwambag, Henry, 4,832,130, Cl. 172-19.000.
Brouwer, Gerardus J.; and Zwambag, Henry, 4,878,542, Cl. 172-1.000.

Zwanzigleitner, Othmar: *See—*
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Zwart, Klaas, to Petroline Wireline Services Limited. Downhole lock assembly. 4,883,121, 11-28-89, Cl. 166-217.000.

Zwarts, Cornelis M. G., to Canadian Patents & Development Ltd. FM receivers using three-terminal negative admittance networks or two and three-terminal negative admittance networks. 4,864,638, 9-5-89, Cl. 455-205.000.

Zwarts, Jacobus: *See—*
Dolfsma, Hendrik; and Zwarts, Jacobus, 4,820,061, Cl. 384-462.000.

Zwarun, Andrew A.; and Buglino, Steven T., to Edward Weck Incorporated. EO biological test pack. 4,828,797, 5-9-89, Cl. 422-55.000.

Zwarun, Andrew A.; and Price, Gail L., to Edward Weck Incorporated. Ink formulation for monitoring sterilization processes. 4,880,466, 11-14-89, Cl. 106-21.000.

Zweben, Carl H.; Mogle, Rodman A.; Rodini, Benjamin T., Jr.; and Thaw, Charles L., to General Electric Company. Low-thermal-expansion, heat conducting laminates having layers of metal and reinforced polymer matrix composite. 4,888,247, 12-19-89, Cl. 428-105.000.

Zweckform Etikettiertechnik GmbH: *See—*
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Zweifel, Hans: *See—*
Riediker, Martin; Meier, Kurt; and Zweifel, Hans, 4,855,468, Cl. 556-53.000.

Zweifel, Terry: *See—*
Miller, Harry; and Zweifel, Terry, 4,857,922, Cl. 340-968.000.

Zweifel, Terry L.; and Johnson, David A., to Honeywell Inc. Flight guidance system for aircraft in windshear. 4,797,674, 1-10-89, Cl. 340-968.000.

Zweifel, Terry L.; and Barrios, J. Rene, to Honeywell Inc. Optimal flight guidance for aircraft in windshear. 4,863,120, 9-5-89, Cl. 244-175.000.

Zweig, Andrew M.; and Conrad, Jeffrey P., to Allied-Signal Inc. Complete ether capping of oligomeric polyphenols. 4,871,831, 10-3-89, Cl. 528-205.000.

Zweig, Andrew M.: *See—*
Zupancic, Joseph J.; Frechet, Jean M. J.; Zweig, Andrew M.; and Conrad, Jeffery P., 4,816,498, Cl. 522-166.000.
Zupancic, Joseph J.; Conrad, Jeffrey P.; Wrezel, James A.; Zweig, Andrew M.; and Frechet, Jean M. J., 4,824,920, Cl. 525-534.000.
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Zweigart, Gerhard; Belke, Werner; Gunther, Ewald; and Gantzhorn, Walter, to Daimler-Benz Aktiengesellschaft. Retaining rail for the end-wise fixing of the inner roof covering. 4,842,328, 6-27-89, Cl. 296-214.000.

Zweigart, Gerhard: *See—*
Mertin, Ralf; Claar, Klaus; Schilling, Jan; Schrader, Jurgen; Seel, Holger; Staiger, Helmut; Mangold, Artur; and Zweigart, Gerhard, 4,815,775, Cl. 292-201.000.

Zweighaft, James, to Storage Technology Corporation. Control loop instability detection and correction apparatus. 4,885,676, 12-5-89, Cl. 364-178.000.

Zweigle, Maurice L., to Dow Chemical Company, The. Sustained release compositions. 4,849,415, 7-18-89, Cl. 514-89.000.

Zweymuller, Karl: *See—*
Deckner, Andre G., Imhof, Martin; and Zweymuller, Karl, 4,813,962, Cl. 623-23.000.

Zwick, Christian R. Visceral retractor. 4,836,190, 6-6-89, Cl. 128-20.000.

Zwick, David J., to Coleman Company, Inc., The. Expandable bed assembly for camping trailer. 4,826,235, 5-2-89, Cl. 296-170.000.

Zwick Energy Research Organization, Inc.: *See—*
Brigham, William D.; and Nguyen D., Dinh, 4,819,454, Cl. 62-52.000.
Zwick, Eugene B.; and Brigham, William D., 4,860,545, Cl. 62-50.600.

Zwick, Eugene B. Unit type fuel injector for low lubricity, low viscosity fuels. 4,826,081, 5-2-89, Cl. 239-91.000.

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Zwick, Maurice M., to American Cyanamid Company. Process for the manufacture of asymmetric, porous membranes, and product thereof. 4,865,785, 9-12-89, Cl. 264-48.000.

Zwick, Maurice M., to American Cyanamid Company. Process for the manufacture of asymmetric, porous membranes and product thereof. 4,885,092, 12-5-89, Cl. 210-500.410.

Zwick, Nicholas; Walden, Charles R., Jr.; Francz, Louis J.; and Gerbehy, Jay L., to Dialogic Corporation. Automated call filter. 4,852,149, 7-25-89, Cl. 379-67.000.

Zwick, Nicholas, to Dialogic Corporation. Measurement of transmission quality of a telephone channel. 4,862,492, 8-29-89, Cl. 379-6.000.

Zwick, Scott D.: *See—*
Person, Herman R.; Veik, Thomas L.; Zwick, Scott D.; and Hesse, Joseph F., 4,811,004, Cl. 340-712.000.

Zwicker, Eberhard; and Deuter, Klaus, to Blaupunkt-Werke GmbH. Method and system of background noise suppression in an audio circuit particularly for car radios. 4,868,881, 9-19-89, Cl. 381-107.000.

Zwicker, Fred. Safety retainer clip. 4,796,925, 1-10-89, Cl. 285-114.000.

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Newkirk, Marc S.; Urquhart, Andrew W.; Zwicker, Harry R.; and Lesher, H. Daniel, 4,851,375, Cl. 501-88.000.
Newkirk, Marc S.; and Zwicker, Harry R., 4,853,352, Cl. 501-88.000.
Newkirk, Marc S.; Urquhart, Andrew W.; and Zwicker, Harry R., 4,868,143, Cl. 501-127.000.

Zwicky, Alan E. Marine propeller and hub assembly. 4,826,404, 5-2-89, Cl. 416-134.00R.

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Zwieg, Grover A.: *See—*
Demler, Henry W., Jr.; Dola, Frank P.; Kimmel, David J.; Lauterbach, John H.; Sotolongo, Thomas J.; and Zwieg, Grover A., 4,881,905, Cl. 439-79.000.

Zwier, Jan, to U.S. Philips Corp. Semiconductor cathode with increased stability. 4,890,031, 12-26-89, Cl. 313-409.000.

Zwijnenburg, Jan, to U.S. Philips Corporation. Device for picking up, displacing and delivering products. 4,824,320, 4-25-89, Cl. 414-744.300.

Zwiller, Charles: *See—*
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Zwintzscher, Kurt: *See—*
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Zwirkoski, Lori J., to American Hospital Supply Corporation. Method and apparatus for in vitro calibration of oxygen saturation monitor. 4,796,633, 1-10-89, Cl. 128-634.000.

Zwirn, Robert, to Hughes Aircraft Company. Subresolution element spatial measurement technique. 4,827,141, 5-2-89, Cl. 250-560.000.

Zwirn, Robert; and Rafanelli, Gerard L., to Hughes Aircraft Company. Electronic focus correction by signal convolution. 4,876,602, 10-24-89, Cl. 358-227.000.

Zwissler, Ruedi, to Entwurf Partner Ruedi Zwissler. Framework comprising bar-shaped elements. 4,829,735, 5-16-89, Cl. 52-646.000.

ZWN Zahnradwerk Neuenstein GmbH & Co.: *See—*
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Zycron Systems, Inc.: *See—*
Landino, Paul J.; and Ramadei, Michael J., 4,843,297, Cl. 318-811.000.

Zydzik, George J.: *See—*
Chi, Gou-Chung; Sing, Shobha; Van Uitert, LeGrand G.; and Zydzik, George J., 4,819,039, Cl. 357-17.000.

Zygaj, Jim, to Portable Containers, Inc. Method of making a hazardous waste secondary storage facility. 4,848,617, 7-18-89, Cl. 220-1.500.

Zygmont, Joseph F., Jr.: *See—*
Blasius, William G., Jr.; and Zygmont, Joseph F., Jr., 4,795,421, Cl. 604-1.000.

Zygo Corporation: *See—*
Biegen, James F., 4,820,049, Cl. 356-360.000.
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Sommargren, Gary E., 4,807,997, Cl. 356-349.000.
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Young, Peter S.; and Sommargren, Gary E., 4,802,765, Cl. 356-349.000
Zanoni, Carl A., 4,881,816, Cl. 356-349.000.
Zanoni, Carl A.; and Field, Alan H., 4,883,357, Cl. 356-349.000.

Zygutis, James L.: *See—*
Doty, Gerald A.; and Zygutis, James L., 4,802,266, Cl. 24-637.000.

Zygutis, Larry. Finger-guarded fish hook sheath. 4,833,814, 5-30-89, Cl. 43-43.200.

Zygutis, Larry. Device for blocking rotation of marine propellers. 4,850,800, 7-25-89, Cl. 416-146.00R.

Zylman, Bill E.: *See—*
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Zyma SA: *See—*
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Rimbault, Christian G., 4,797,414, Cl. 514-443.000.
Rimbault, Christian G., 4,885,298, Cl. 514-253.000.
Ventouras, Kimon, 4,882,169, Cl. 424-493.000.
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Zymark Corporation: *See—*
Hutchins, Burleigh M.; Buote, William J.; Roe, John S.; Vollinger, Warren R.; Wagner, Susan M.; and Sullivan, Anne M., 4,835,711, Cl. 364-513.000.

ZymoGenetics, Inc.: *See—*
Kawasaki, Glenn H.; and Woodbury, Richard, 4,839,283, Cl. 435-68.000.
Murray, Mark J.; and Kelly, James D., 4,801,542, Cl. 435-172.300.
Murray, Mark J.; and Kelly, James D., 4,845,075, Cl. 514-12.000.
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Murray, Mark J.; and Kelly, James D., 4,889,919, Cl. 530-351.000.
ZYP Coatings, Inc.: *See—*
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  - Carter, Timothy J. N.; Dahne, Claus; and Place, John F., Re. 33,064, Cl. 436-34.000.
- Daicel Chemical Industries, Ltd.: *See—*
  - Taguchi, Atsushi; and Ohmiya, Takeo, Re. 32,976, Cl. 526-98.000.
- Dana Corporation: *See—*
  - Simons, Samuel, Re. 32,892, Cl. 219-137.0WM.
- Danby, Hal C., to Critikon, Inc. Dual source parenteral infusion apparatus. Re. 33,021, 8-15-89, Cl. 604-80.000.
- Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Engine idling speed controlling system. Re. 33,027, 8-22-89, Cl. 123-339.000.
- Davis, Ariel R.: *See—*
  - Clegg, John C.; and Davis, Ariel R., Re. 33,057, Cl. 315-224.000.
- Davis, James A., to Brunswick Corporation. Ignition interrupt system with stall interval. Re. 32,998, 7-25-89, Cl. 440-75.000.
- Dayton Reliable Tool & Mfg. Co.: *See—*
  - Brown, Omar L., Re. 33,061, Cl. 413-66.000.
- Dechelette, Helen, to Molex Incorporated. Multigauge insulation displacement connector and contacts therefor. Re. 32,898, 4-4-89, Cl. 439-395.000.
- de Cortanze, Andre, to Elf France. Supporting arm assembly for a driving wheel of an automotive vehicle. Re. 33,130, 12-19-89, Cl. 180-227.000.
- DeFouw, Jerry A.; and Kelley, James O., to Herman Miller, Inc. Frame connector system. Re. 32,890, 3-21-89, Cl. 52-239.000.
- Demetriades, Peter G. Floor cleaning pad. Re. 32,978, 7-11-89, Cl. 15-230.120.
- Dempsey, Donald J.: *See—*
  - Szycher, Michael; Dempsey, Donald J.; and Rolfe, Jonathan L., Re. 32,991, Cl. 528-75.000.
- DEN-MAT Corporation: *See—*
  - Ibsen, Robert L.; Glace, William R.; and Pacropis, Donald R., Re. 33,100, Cl. 106-35.000.
- Denton, Dennis N.: *See—*
  - Bainard, Dean R.; and Denton, Dennis N., Re. 33,029, Cl. 277-153.000.
- Department of National Defense: *See—*
  - Labbe, Paul; and Morin, Andre, Re. 33,055, Cl. 342-99.000.
- Derouane, E. G.; Dessau, R. M.; Heilweil, I. J.; and Kerr, G. T., to Mobil Oil Corporation. Method for preparing crystalline zirconium phosphates. Re. 33,009, 8-1-89, Cl. 556-14.000.
- Deschamps, Jean-Francois: *See—*
  - Petit, Pierre; Grenier, Maurice; and Deschamps, Jean-Francois, Re. 33,026, Cl. 62-36.000.
- Dessau, R. M.: *See—*
  - Derouane, E. G.; Dessau, R. M.; Heilweil, I. J.; and Kerr, G. T., Re. 33,009, Cl. 556-14.000.
- Detroit, William J.; and Sanford, Michael E., to Reed Lignin, Inc. Solubilized lignosulfonate derivatives. Re. 32,895, 3-28-89, Cl. 530-500.000.
- Dettelbach, Alfred; and Binder, Werner, to Reich Spezialmaschinen GmbH. Device for scoring workpieces. Re. 32,986, 7-18-89, Cl. 83-863.000.
- Didier-Werke AG: *See—*
  - Schiefer, Bernhard; and Bumberger, Herbert, Re. 33,036, Cl. 222-597.000.
- Dikstein, Shabtay; and Hartzshtark, Abraham, to Yissum Research Development Company of the Hebrew University of Jerusalem. Compositions containing 1α-hydroxycholecalciferol for topical treatment of skin disorders and methods employing same. Re. 33,107, 11-7-89, Cl. 514-46.000.
- Doerr, Erwin: *See—*
  - Wood, Prentice J.; and Doerr, Erwin, Re. 33,110, Cl. 229-117.130.
- Doorakian, George A.: *See—*
  - Whiteside, Ross C., Jr.; Gist, Adolphus V.; and Doorakian, George A., Re. 32,951, Cl. 528-89.000.
- Dormer, Kenneth J.; and Richard, Gordon L., to Baptist Medical Center of Oklahoma, Inc. Magnetic transcutaneous mount for external device of an associated implant. Re. 32,947, 6-13-89, Cl. 128-420.600.
- Douglas, George H.: *See—*
  - Campbell, Henry F.; Scholtz, Thomas H.; and Douglas, George H., Re. 33,125, Cl. 514-383.000.
- Dove, Thomas D.: *See—*
  - Mills, Larry E.; and Dove, Thomas D., Re. 32,971, Cl. 282-11.50A.
- Dow Chemical Company, The: *See—*
  - Whiteside, Ross C., Jr.; Gist, Adolphus V.; and Doorakian, George A., Re. 32,951, Cl. 528-89.000.
- Doyle, Walter M., to Laser Precision Corporation. Parabolic focusing apparatus for optical spectroscopy. Re. 32,912, 4-25-89, Cl. 356-244.000.
- Dresser Industries, Inc.: *See—*
  - Simpson, Donald C., Re. 33,028, Cl. 137-82.000.
- Dugan, Larry M., to Adolph Coors Company. Joint system. Re. 33,003, 8-1-89, Cl. 92-84.000.
- Du Pont de Nemours, E. I., and Company: *See—*
  - Levy, Stanley B., Re. 32,983, Cl. 428-36.920.
- Durham, Timothy N. Apparatus for housing and deploying a radar detector in an automotive vehicle. Re. 33,112, 11-14-89, Cl. 296-37.700.
- E. I Du Pont de Nemours and Company: *See—*
  - Linder, Karen E., Re. 32,826, Cl. 424-1.100.
- E. R. Squibb & Sons, Inc.: *See—*
  - Floyd, David; and Krapcho, John, Re. 33,072, Cl. 540-491.000.
- Ecolab Inc.: *See—*
  - Fernholz, Peter J.; Copeland, James L.; and Penttila, Richard C., Re. 32,818, Cl. 252-90.000.
- Edwards, Rick C.: *See—*
  - McCormick, Peter E.; Edwards, Rick C.; Autry, Walter D., Jr.; Culbertson, Timothy D.; Goch, Jerome F.; and Linder, Marc S., Re. 32,854, Cl. 92-130.00R.
- Edwards, William H. Locking nut assembly for a guitar. Re. 32,863, 2-14-89, Cl. 84-314.00N.
- Effenberger Ranko F. F. Apparatus for grinding and lapping annular sealing faces. Re. 32,873, 2-21-89, Cl. 51-241.00A.
- Electric Specialty, Inc.: *See—*
  - Ravin, Robert H., Re. 33,051, Cl. 123-142.50R.
- Electro-Biology, Inc.: *See—*
  - Gardner, Arthur M. N.; and Fox, Roger H., Re. 32,939, Cl. 128-64.000.
  - Gardner, Arthur M. N.; and Fox, Roger H., Re. 32,940, Cl. 128-64.000.
- Elf France: *See—*
  - de Cortanze, Andre, Re. 33,130, Cl. 180-227.000.
- Elias, Donald R., executor: *See—*
  - Elias, Robert T., deceased; and Elias, Donald R., executor, Re. 32,957, Cl. 604-368.000.
- Elias, Robert T., deceased; and Elias, Donald R., executor, to Johnson & Johnson. Absorbent article. Re. 32,957, 6-20-89, Cl. 604-368.000.
- Emrich, Robert K., to ESCO Corporation. Excavating tooth assembly. Re. 33,042, 9-5-89, Cl. 37-142.00R.
- Entrekin, Charles H.: *See—*
  - Harker, Howard R.; and Entrekin, Charles H., Re. 32,932, Cl. 164-506.000.
- EOA Systems, Inc.: *See—*
  - McCormick, Peter E.; Edwards, Rick C.; Autry, Walter D., Jr.; Culbertson, Timothy D.; Goch, Jerome F.; and Linder, Marc S., Re. 32,854, Cl. 92-130.00R.
- Equatorial Communications Company: *See—*
  - Baran, Paul, Re. 32,905, Cl. 370-104.000.
- ESA, Inc.: *See—*
  - Matson, Wayne R.; and Vitukevich, Ronald, Re. 32,920, Cl. 204-1.00T.
- ESCO Corporation: *See—*
  - Briscoe, Terry L.; and Van Hoomissen, Robert L., Re. 32,847, Cl. 24-136.00R.
  - Emrich, Robert K., Re. 33,042, Cl. 37-142.00R.
- Ethyl Corporation: *See—*
  - Hargis, Duane C., Re. 32,896, Cl. 546-192.000.
- Eurofloor S.A.: *See—*
  - Courtoy, Jean-Francois; and Marchal, Daniel, Re. 33,069, Cl. 428-142.000.
- Ewald, Henry T.: *See—*
  - Adamson, Lee A.; Ewald, Henry T.; and Bergling, Craig L., Re. 32,994, Cl. 99-332.000.
- Ewing, William D. Deformable label. Re. 32,929, 5-23-89, Cl. 428-220.000.
- Exxon Research and Engineering Company: *See—*
  - Kramer, George M., Re. 33,080, Cl. 585-740.000.
- Ezure, Tadayoshi, to Hosiden Electronics Co. Ltd. Connector with lock mechanism. Re. 32,864, 2-14-89, Cl. 439-152.000.
- F. M. Brick Industries, Inc.: *See—*
  - Brick, Francis M., Re. 33,002, Cl. 30-134.000.
- Fair, Delbert W., to Conoco Inc. Variable cylinder hydraulic vibrator and control system. Re. 32,995, 7-25-89, Cl. 181-119.000.
- Fernandez, David. Tennis racket frame made of metal oxide fibers and ceramic particles. Re. 33,011, 8-8-89, Cl. 273-73.00C.
- Fernholz, Peter J.; Copeland, James L.; and Penttila, Richard C., to Ecolab Inc. Cast detergent-containing article and method of using. Re. 32,818, 1-3-89, Cl. 252-90.000.
- Fiberflex Products Ltd.: *See—*
  - Rutledge, Woodrow T., Jr.; Rutledge, Russell P.; Freeman, Jon B.; and Clark, Stephen D., Re. 32,865, Cl. 403-268.000.
- Fichtel & Sachs AG: *See—*
  - Steuer, Werner; and Bergles, Eduard, Re. 33,058, Cl. 74-750.00B.

- Fields, Bernard N.: *See—*
  - Greene, Mark I.; and Fields, Bernard N., Re. 32,833, Cl. 424-86.000.
- Flamig, Hans: *See—*
  - Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, Re. 33,034, Cl. 241-119.000.
- Floyd, David; and Krapcho, John, to E. R. Squibb & Sons, Inc. Benzothiazepine derivatives. Re. 33,072, 9-26-89, Cl. 540-491.000.
- Fomico International, Inc.: *See—*
  - Smith, Peter J., Re. 32,936, Cl. 264-320.000.
- Forney, George D., Jr.; and Gallager, Robert G., to Codex Corporation. Signal structures for double side band-quadrature carrier modulation. Re. 33,056, 9-12-89, Cl. 375-39.000.
- Fox, Roger H.: *See—*
  - Gardner, Arthur M. N.; and Fox, Roger H., Re. 32,939, Cl. 128-64.000.
  - Gardner, Arthur M. N.; and Fox, Roger H., Re. 32,940, Cl. 128-64.000.
- Framatome & Cie.: *See—*
  - Coussau, Jean; and Lavaleric, Claude, Re. 32,832, Cl. 220-327.000.
- Franke, Jeffrey S.: *See—*
  - Tuggle, Lloyd H., Baker, Michael; and Franke, Jeffrey S., Re. 33,050, Cl. 15-330.000.
- Franzen, Raymond E.: *See—*
  - Petersen, Ross K.; and Franzen, Raymond E., Re. 33,085, Cl. 55-327.000.
- Freeman Chemical Corporation: *See—*
  - Cordts, Howard P.; and Karloske, Joan E., Re. 32,834, Cl. 524-310.000.
- Freeman, Jon B.: *See—*
  - Rutledge, Woodrow T., Jr.; Rutledge, Russell P.; Freeman, Jon B.; and Clark, Stephen D., Re. 32,865, Cl. 403-268.000.
- Froom, Thomas W., to Somerville Packaging Corporation. Folding ice-cream carton, carton blank, and method. Re. 33,010, 8-8-89, Cl. 229-151.000.
- Fu, Yun-Lung; and Wang, Samuel S., to American Cyanamid. Neutral hydrocarboxycarbonyl thionocarbamate sulfide collectors. Re. 32,827, 1-10-89, Cl. 252-61.000.
- Fuchs, Hugo; Brand, Uwe; and Buchaeckert, Helmut, to BASF Aktiengesellschaft. Obtaining caprolactam by cleaving oligomers of caprolactam. Re. 33,073, 9-26-89, Cl. 540-533.000.
- Fuji Jukogyo Kabushiki Kaisha: *See—*
  - Sakai, Yasuhito, Re. 33,062, Cl. 474-28.000.
- Fuji Photo Film Co., Ltd.: *See—*
  - Kiritani, Masataka; Matsukawa, Hiroharu; and Aoki, Masayuki, Re. 33,113, Cl. 503-213.000.
  - Ohmura, Hiroshi; Maemori, Takashi; and Ishii, Toshio, Re. 32,959, Cl. 354-403.000.
- Fujisawa Pharaceutical Co., Ltd.: *See—*
  - Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.
- Fujita, Tadasha: *See—*
  - Takeuchi, Yukihisa; and Fujita, Tadasha, Re. 33,013, Cl. 438-116.000.
- Fukao, Satoshi: *See—*
  - Gotoh, Hideo; Fukao, Satoshi; and Suzuki, Makoto, Re. 32,977, Cl. 200-5.00A.
- Fukushima, Yoshio: *See—*
  - Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.
- Furlani, Walter. Selective bird feeder. Re. 32,970, 7-4-89, Cl. 119-51.00R.
- G. W. Lisk Company, Inc.: *See—*
  - Clark, Bruce D., Re. 32,860, Cl. 335-261.000.
- Gallager, Robert G.: *See—*
  - Forney, George D., Jr.; and Gallager, Robert G., Re. 33,056, Cl. 375-39.000.
- Gancy, Alan B. Magnesium calcium acetate products, and process for their manufacture. Re. 33,095, 10-17-89, Cl. 252-70.000.
- Gardner, Arthur M. N.; and Fox, Roger H., to Electro-Biology, Inc. Medical appliance. Re. 32,939, 6-6-89, Cl. 128-64.000.
- Gardner, Arthur M. N.; and Fox, Roger H., to Electro-Biology, Inc. Medical appliance. Re. 32,940, 6-6-89, Cl. 128-64.000.
- Garlock, Inc.: *See—*
  - Bainard, Dean R.; and Denton, Dennis N., Re. 33,029, Cl. 277-153.000.
- GCB, Inc.: *See—*
  - Gibson, Jack E., Re. 32,921, Cl. 427-183.000.
- General Company Limited: *See—*
  - Ueyama, Seiji, Re. 32,999, Cl. 428-484.000.
- General Electric Company: *See—*
  - Rosenfeld, Jerome P., Re. 32,984, Cl. 358-107.000.
- General Instrument Corp.: *See—*
  - McCann, T. Michael, Re. 32,829, Cl. 361-436.000.
- Genicom Corporation: *See—*
  - Zerillo, Samuel D., Re. 33,038, Cl. 400-216.100.
- Gerstmann, Joseph; and Vasilakis, Andrew D., to Advanced Mechanical Technology, Inc. Combustion product condensing water heater. Re. 33,082, 10-10-89, Cl. 122-20.00B.
- Gibson, Jack E., to GCB, Inc. Method of powder coating the inside of pipes with a continuous film of plastic material. Re. 32,921, 5-9-89, Cl. 427-183.000.
- Gist, Adolphus V.: *See—*
  - Whiteside, Ross C., Jr.; Gist, Adolphus V.; and Doorakian, George A., Re. 32,951, Cl. 528-89.000.
- GKN Automotive Components Inc.: *See—*
  - Hazebrook, Daniel W., Re. 32,830, Cl. 29-148.40C.
- Glace, William R.: *See—*
  - Ibsen, Robert L.; Glace, William R.; and Pacropis, Donald R., Re. 33,100, Cl. 106-35.000.
- Goch, Jerome F.: *See—*
  - McCormick, Peter E.; Edwards, Rick C.; Autry, Walter D., Jr.; Culbertson, Timothy D.; Goch, Jerome F.; and Linder, Marc S., Re. 32,854, Cl. 92-130.00R.
- Goetchius, Ronald J.: *See—*
  - Collins, Michael J.; Cruse, Bernard W., Jr.; and Goetchius, Ronald J., Re. 32,861, Cl. 364-567.000.
- Gordon, Paul, to Greenwich Pharmaceuticals, Incorporated. Therapeutic composition and method of treating viruses. Re. 33,000, 7-25-89, Cl. 514-25.000.
- Gotoh, Hideo; Fukao, Satoshi; and Suzuki, Makoto, to Brother Kogyo Kabushiki Kaisha. Key-holding structure of keyboard with curved operating surface of keys. Re. 32,977, 7-4-89, Cl. 200-5.00A.
- Gragnami, Nelson A., to Pandrol Limited. Railway tie plate and a method of making a railway tie plate. Re. 32,894, 3-28-89, Cl. 238-304.000.
- Graham, John M. Air brake with collet locked push rod and air supply system. Re. 32,885, 3-7-89, Cl. 303-9.760.
- Grant, Ross M.: *See—*
  - Bradford, Michael P.; Parkinson, Gerald W.; and Grant, Ross M., Re. 33,087, Cl. 307-64.000.
- Graube, Peteris E. Funnel teaching method and apparatus. Re. 32,950, 6-13-89, Cl. 434-126.000.
- Green & Bingham Limited: *See—*
  - Bingham, Garrick R., Re. 32,840, Cl. 239-600.000.
- Green, Glen R.: *See—*
  - Hodges, Joseph L.; and Green, Glen R., Re. 32,822, Cl. 83-402.000.
- Greene, Mark I.; and Fields, Bernard N., to President and Fellows of Harvard College. Screening vaccines and immunization process. Re. 32,833, 1-17-89, Cl. 424-86.000.
- Greenwich Pharmaceuticals, Incorporated: *See—*
  - Gordon, Paul, Re. 33,000, Cl. 514-25.000.
- Grenier, Maurice: *See—*
  - Petit, Pierre; Grenier, Maurice; and Deschamps, Jean-François, Re. 33,026, Cl. 62-36.000.
- Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., to Bayer Aktiengesellschaft. 4-Pyridone-3-carboxylic acids and/or derivatives thereof. Re. 32,975, 7-4-89, Cl. 514-212.000.
- Gronholz, Donald D., deceased; and by Gronholz, Marlene J., administrator. Router guide unit. Re. 33,045, 9-5-89, Cl. 144-134.00D.
- Gronholz, Marlene J., administrator: *See—*
  - Gronholz, Donald D., deceased; and Gronholz, Marlene J., administrator, Re. 33,045, Cl. 144-134.00D.
- Grossmann, Udo: *See—*
  - Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, Re. 33,034, Cl. 241-119.000.
- Guardian Products, Inc.: *See—*
  - Smith, Alfred A., Re. 32,815, Cl. 135-69.000.
- Gurevich, Leon; and Spaunhorst, Vernon R., to Cooper Industries, Inc. Subminiature fuse. Re. 33,137, 12-26-89, Cl. 337-255.000.
- Hagen Batterie AG: *See—*
  - Kiessling, Reiner, Re. 33,133, Cl. 429-242.000.
- Hahn, Norbert, to Abon Corporation. Vehicle restraint. Re. 32,966, 6-27-89, Cl. 414-401.000.
- Hall, Iris H.; Cocolas, George H.; and Chapman, James H., Jr., to Research Corporation. Antihyperlipidemic compositions. Re. 32,864, 2-14-89, Cl. 514-421.000.
- Haman, David F.; and Needham, Dale M., to Outboard Marine Corporation. Dual fuel system for internal combustion engine. Re. 32,938, 6-6-89, Cl. 123-73.00B.
- Hanada, Tsuneo: *See—*
  - Koshii, Taro; Morita, Yoshitsugu; Shinmi, Hideo; and Hanada, Tsuneo, Re. 32,958, Cl. 525-476.000.
- Hanma, Kentaro: *See—*
  - Murakami, Toshio; and Hanma, Kentaro, Re. 33,081, Cl. 358-227.000.
- Harding, John D.: *See—*
  - Levin, Paul D.; and Harding, John D., Re. 32,922, Cl. 128-314.000.
- Hargis, Duane C., to Ethyl Corporation. Gem cyclodialkylation of amines and amides. Re. 32,896, 3-28-89, Cl. 546-192.000.
- Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, to Kissei Yakuhin Kogyo Kabushiki. Aromatic carboxylic amide derivatives. Re. 32,944, 6-6-89, Cl. 562-455.000.
- Harker, Howard R.; and Entrekin, Charles H., to A Johnson Metals Corporation. Cold hearth refining. Re. 32,932, 5-30-89, Cl. 164-506.000.
- Harrison, Marc L.: *See—*
  - Blahut, Donald E.; Harrison, Marc L.; and Thierbach, Mark E. Re. 32,858, Cl. 364-716.000.
- Hartzshtark, Abraham: *See—*
  - Dikstein, Shabtay; and Hartzshtark, Abraham, Re. 33,107, Cl. 514-46.000.
- Harvey, Arthur E., Sr.; and Harvey, Thomas J. Permanent dental prosthesis and method. Re. 32,972, 7-4-89, Cl. 433-181.000.
- Harvey, Thomas J.: *See—*
  - Harvey, Arthur E., Sr.; and Harvey, Thomas J., Re. 32,972, Cl. 433-181.000.

- Hashimoto, Masashi: *See—*
  - Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.
- Hashimoto, Toru: *See—*
  - Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.
- Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, to Hitachi, Ltd.; and Kawasaki Steel Corporation. Feedwater heater comprising low C-Cr-Mo steel components used under wet steam. Re. 33,006, 8-1-89, Cl. 165-134.100.
- Hayashi, Mishio, to Advantest Corporation. Period and frequency measuring instrument. Re. 32,845, 1-24-89, Cl. 324-77.00R.
- Haze, Setsuo: *See—*
  - Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, Re. 32,987, Cl. 177-25.180.
- Hazebrook, Daniel W., to GKN Automotive Components Inc. Method of forming a precision ball track. Re. 32,830, 1-17-89, Cl. 29-148.40C.
- Heilmann, Steven M.: *See—*
  - Krepski, Larry R.; Smith, Howell K., II; Rasmussen, Jerald K.; and Heilmann, Steven M., Re. 32,952, Cl. 562-450.000.
- Heilweil, I. J.: *See—*
  - Derouane, E. G.; Dessau, R. M.; Heilweil, I. J.; and Kerr, G. T., Re. 33,009, Cl. 556-14.000.
- Helitune Limited: *See—*
  - Moir, Christopher J., Re. 33,097, Cl. 250-561.000.
- Hemmi, Keiji: *See—*
  - Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992. Cl. 530-331.000.
- Herman Miller, Inc.: *See—*
  - DeFouw, Jerry A.; and Kelley, James O., Re. 32,890, Cl. 52-239.000.
- Hiers, John J., to Lydall, Inc. Integral textile composite fabric. Re. 33,023, 8-15-89, Cl. 428-285.000.
- Hirano, Mutsuo; and Tsunoda, Nagatoshi, to Sanden Corporation. Device for rhythmically driving an electromechanical vibrator. Re 32,980, 7-11-89, Cl. 84-1.030.
- Hirayama, Mamoru: *See—*
  - Nagata, Masanori; Inoue, Toshiaki; and Hirayama, Mamoru, Re. 32,985, Cl. 364-401.000.
- Hitachi, Ltd.: *See—*
  - Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.
  - Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.
  - Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, Re. 33,129, Cl. 415-90.000.
  - Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.
  - Murakami, Toshio; and Hanma, Kentaro, Re. 33,081, Cl. 358-227.000.
  - Nagae, Yoshiharu; Isogai, Masato; Kawakami, Hideaki; and Nakano, Fumio, Re. 33,120, Cl. 350-350.00S.
  - Saito, Cyuichi; and Sato, Yoshihiko, Re. 32,839, Cl. 198-335.000.
  - Sugiura, Noboru, Re. 33,076, Cl. 73-204.150.
  - Suzuki, Akira, Re. 33,116, Cl. 417-295.000.
  - Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.
  - Wakabayashi, Manabu; Minami, Kihachiro; Sanpei, Tohru: and Konno, Kazutoshi, Re. 32,876, Cl. 360-133.000.
- Hitachi Metals, Ltd.: *See—*
  - Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.
- Hodges, Joseph L.; and Green, Glen R. Potato strip cutter. Re. 32,822, 1-10-89, Cl. 83-402.000.
- Hollis Automation, Inc.: *See—*
  - O'Rourke, Harold T., Re. 32,982, Cl. 228-180.100.
- Holm, Albert E.; and Holm, Grant A., to Testrite, Inc. Method and apparatus for detecting leaks. Re. 33,075, 10-3-89, Cl. 73-40.000.
- Holm, Grant A.: *See—*
  - Holm, Albert E.; and Holm, Grant A., Re. 33,075, Cl. 73-40.000.
- Honeywell Inc.: *See—*
  - Levine, Michael R., Re. 32,960, Cl. 364-557.000.
  - Stauffer, Norman L., Re. 32,886, Cl. 250-201.000.
- Honshu Seishi Kabushiki Kaisha: *See—*
  - Nakamura, Masato; Nomura, Yoshika; and Uchimoto, Iwahiro, Re. 32,943, Cl. 162-76.000.
- Hoppe, Joachim A.: *See—*
  - Shoemock, Clinton O.; Wambaugh, John O.; and Hoppe, Joachim A., Re. 32,831, Cl. 166-135.000.
- Horigome, Hirofumi: *See—*
  - Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.
- Horigome, Shinkichi: *See—*
  - Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.
- Horowitz, Justin. Canoe caddy. Re. 32,844, 1-24-89, Cl. 280-641.000.
- Hosiden Electronics Co. Ltd.: *See—*
  - Ezure, Tadayoshi, Re. 32,864, Cl. 439-152.000.
- Houston, James M., Jr.; and Baker, John W. Sewer relief valve. Re. 32,870, 2-21-89, Cl. 137-430.000.
- Howard, Durrell U. Trailer coupling means. Re. 33,012, 8-8-89, Cl. 280-432.000.
- Howard, H. Taylor, to Chaparral Communications, Inc. Polarized signal receiver system. Re. 32,835, 1-17-89, Cl. 333-21.00A.
- Hughes Aircraft Company: *See—*
  - Bilow, Norman; Landis, Abraham L.; and Miller, Leroy J., Re. 33,079, Cl. 528-125.000.
- Hull-Allen, Gregory, to Mechanical Technology Incorporated. Optical configuration of fiber optic sensor for symmetric dynamic response about the optical null. Re. 33,078, 10-3-89, Cl. 356-373.000.
- Hull, Michael N.; and Yasnovsky, Vacheslav M., to International Paper Company. Process for the electrochemical reductive bleaching of lignocellulosic pulp. Re. 32,825, 1-10-89, Cl. 162-50.000.
- Ibsen, Robert L.; Glace, William R.; and Pacropis, Donald R., to DEN-MAT Corporation. Dental compositions incorporating glass ionomers. Re. 33,100, 10-24-89, Cl. 106-35.000.
- Idacon, Inc.: *See—*
  - Kirchner, Roy P., Re. 33,121, Cl. 427-440.000.
- Iguchi, Eiko: *See—*
  - Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.
- Iguchi, Susumu: *See—*
  - Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.
- Ihara, Hirokazu: *See—*
  - Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.
- Iida, Kazumasa: *See—*
  - Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.
- Iizuka, Kinji: *See—*
  - Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, Re. 32,944, Cl. 562-455.000.
- Ikeda, Katuaki: *See—*
  - Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.
- Ikezawa, Katsuo: *See—*
  - Iwakuma, Takeo; Tsunashima, Akira; Ikezawa, Katsuo; and Takaiti, Osasi, Re. 33,024, Cl. 514-312.000.
- Imamura, Yoshinori: *See—*
  - Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re 33,094, Cl. 430-57.000.
- Imanaka, Hiroshi: *See—*
  - Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.
- Imperial Chemical Industries PLC: *See—*
  - Kirby, Ian; Mitchell, Michael; and Stratton, Andrew, Re. 33,004, Cl. 102-200.000.
  - Kirby, Ian J.; Mitchell, Michael I.; and Stratton, Andrew, Re. 32,888, Cl. 102-217.000.
- Independent Broadcasting Authority: *See—*
  - Baldwin, John L. E., Re. 33,001, Cl. 360-9.100.
- Inoue-Japax Research Incorporated: *See—*
  - Inoue, Kiyoshi, Re. 32,855, Cl. 219-69.00W.
- Inoue, Kiyoshi, to Inoue-Japax Research Incorporated. Capacitor-type pulse generator for electrical discharge machining, especially for wire-cutting EDM. Re. 32,855, 2-7-89, Cl. 219-69.00W.
- Inoue, Toshiaki: *See—*
  - Nagata, Masanori; Inoue, Toshiaki; and Hirayama, Mamoru, Re. 32,985, Cl. 364-401.000.
- International Paper Company: *See—*
  - Hull, Michael N.; and Yasnovsky, Vacheslav M., Re. 32,825, Cl. 162-50.000.
  - Smith, Wesley H., Re. 32,891, Cl. 229-179.000.
- Ishida Scales Manufacturing Company, Ltd.: *See—*
  - Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, Re. 32,987, Cl. 177-25.180.
- Ishii, Toshio: *See—*
  - Ohmura, Hiroshi; Maemori, Takashi; and Ishii, Toshio, Re. 32,959, Cl. 354-403.000.

Ishikawa, Katsukiyo; Nishijima, Kanji; and Seio, Mamoru, to Nippon Paint Co., Ltd. Method for preparing a printed circuit board. Re. 33,108, 11-7-89, Cl. 156-659.100.

Ishikawa, Masaaki: *See—*
Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.

Ishikawa, Norio; and Miki, Yukio, to Minolta Camera Kabushiki Kaisha. Protective device for automatic focusing camera. Re. 33,016, 8-8-89, Cl. 354-400.000.

Ishioka, Sachio: *See—*
Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.

Isogai, Masato: *See—*
Nagae, Yoshiharu; Isogai, Masato; Kawakami, Hideaki; and Nakano, Fumio, Re. 33,120, Cl. 350-350.00S.

Iwakuma, Takeo; Tsunashima, Akira; Ikezawa, Katsuo; and Takaiti, Osasi, to Tanabe Seiyaku Co. Ltd. Bronchodilating 8-hydroxy-5-(1R)-1-hydroxy-2-(N-((1R)-2-(p-methoxyphenyl)-1-methylethyl)-amino)ethyl) carbostyril and intermediates thereof. Re. 33.024, 8-15-89, Cl. 514-312.000.

Iwamatsu, Seiichi, to Seiko Epson Corporation. Semiconductor substrate. Re. 33,096, 10-17-89, Cl. 428-156.000.

Izumiya, Masakiyo: *See—*
Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.

J. M. Voith GmbH: *See—*
Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, Re. 33,034, Cl. 241-119.000.

Jacob, Adir, to LFE Corporation. Process and material for manufacturing semiconductor devices. Re. 32,928, 5-23-89, Cl. 156-643.000.

Jacobs Manufacturing Company, The: *See—*
Meistrick, Zdenek S.; and Queeneville, Raymond N., Re. 33,052, Cl. 123-321.000.

James River Norwalk, Inc.: *See—*
Kuchenbecker, Morris W., Re. 32,902, Cl. 206-613.000.

Jentoft, Arthur P.; and Couture, Paul A., to Wasco Products, Inc. Skylight construction. Re. 32,915, 5-2-89, Cl. 52-200.000.

Johnson, Dennis L.: *See—*
Corsetti, John A., Re. 33,123, Cl. 439-628.000.

Johnson, Gerald L.; Nolting, Eugene C.; and Allen, John H., to Banc-Tec, Inc. High speed document encoding system. Re. 33,134, 12-26-89, Cl. 101-109.000.

Johnson & Johnson: *See—*
Elias, Robert T., deceased; and Elias, Donald R., executor, Re. 32,957, Cl. 604-368.000.

Johnson & Johnson Consumer Products, Inc.: *See—*
Schiraldi, Michael T.; Perl, Martin M.; and Rubin, Howard, Re. 33,093, Cl. 424-676.000.

Jones, Flave L.; and Kelly, Mark L., to American Home Products Corporation. Method and apparatus for recording medical information on a strip chart. Re. 33,088, 10-10-89, Cl. 346-1.100.

Jones, Stanley C., to Marathon Oil Company. System for measuring the pore volume and permeability of very tight core plugs and method therefor. Re. 32,964, 6-27-89, Cl. 73-38.000.

Jones, Thomas L. Shower mirror apparatus. Re. 32,906, 4-18-89, Cl. 4-605.000.

Kabushiki Kaisha Daini Seikosha: *See—*
Kakiuchi, Hiroshi, Re. 33,040, Cl. 252-62.200.

Kabusihiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo: *See—*
Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, Re. 33,047, Cl. 127-46.300.

Kakiuchi, Hiroshi, to Kabushiki Kaisha Daini Seikosha. Electrochromic display device. Re. 33,040, 8-29-89, Cl. 252-62.200.

Kamijo, Tetsuhide: *See—*
Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, Re. 32,944, Cl. 562-455.000.

Kanda, Yoichi: *See—*
Aoki, Katsumichi; Kanda, Yoichi; Satake, Keigo; and Shinkawa, Hiroyasu, Re. 33,132, Cl. 71-92.000.

Kari, Esko T.; Aaltonen, Jarmo; and Suokas, Elias U., to Kemira Oy. Process for the froth-flotation of a phosphate mineral from a phosphate-carbonate ore. Re. 32,875, 2-21-89, Cl. 209-167.000.

Karloske, Joan E.: *See—*
Cordts, Howard P.; and Karloske, Joan E., Re. 32,834, Cl. 524-310.000.

Kauffman, Kenneth L.: *See—*
Kauffman, Lawrence R.; and Kauffman, Kenneth L., Re. 33,037, Cl. 256-1.000.

Kauffman, Lawrence R.; and Kauffman, Kenneth L. Fenceliner. Re. 33,037, 8-29-89, Cl. 256-1.000.

Kawakami, Hideaki: *See—*
Nagae, Yoshiharu; Isogai, Masato; Kawakami, Hideaki; and Nakano, Fumio, Re. 33,120, Cl. 350-350.00S.

Kawasaki Steel Corporation: *See—*
Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.

Keiper Recaro Incorporated: *See—*
Kluting, Bernd A.; and Zaveri, Vikram, Re. 32,884, Cl. 297-367.000.

Kelley, James O.: *See—*
DeFouw, Jerry A.; and Kelley, James O., Re. 32,890, Cl. 52-239.000.

Kelly, Mark L.: *See—*
Jones, Flave L.; and Kelly, Mark L., Re. 33,088, Cl. 346-1.100.

Kemira Oy: *See—*
Kari, Esko T.; Aaltonen, Jarmo; and Suokas, Elias U., Re. 32,875, Cl. 209-167.000.

Kennedy, John M.: *See—*
Kennedy, William R.; and Kennedy, John M., Re. 32,871, Cl. 405-132.000.

Kennedy, William R.; and Kennedy, John M. Mine stopping. Re. 32,871, 2-21-89, Cl. 405-132.000.

Kerr, G. T.: *See—*
Derouane, E. G.; Dessau, R. M.; Heilweil, I. J.; and Kerr, G. T., Re. 33,009, Cl. 556-14.000.

Kiessling, Reiner, to Hagen Batterie AG. Negative electrode for lead accumulators. Re. 33,133, 12-19-89, Cl. 429-242.000.

Kimmel, Albert L.; Chappelow, Cecil C., Jr.; and Castelli, Vincent J., to Midwest Research Institute. Marine anti-fouling coating formulations containing a soluble phase including a organotin polymer in combination with an insoluble phase including a crosslinked organotin polymer. Re. 33,048, 9-5-89, Cl. 523-122.000.

Kinoshita, Yukihiko: *See—*
Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, Re. 32,944, Cl. 562-455.000.

Kinsolving, C. Richard, to Pennwalt Corporation. Use of undercylenic acid to treat herpes labialis. Re. 32,990, 7-18-89, Cl. 514-560.000.

Kioritz & Corporation: *See—*
Nagashima, Akira, Re. 33,103, Cl. 210-172.000.

Kirby, Ian; Mitchell, Michael; and Stratton, Andrew, to Imperial Chemical Industries PLC. Apparatus and method for selectively activating plural electrical loads at predetermined relative times Re. 33,004, 8-1-89, Cl. 102-200.000.

Kirby, Ian J.; Mitchell, Michael I.; and Stratton, Andrew, to Imperial Chemical Industries PLC. Apparatus and method for selectively activating plural electrical loads at predetermined relative times Re. 32,888, 3-14-89, Cl. 102-217.000.

Kirchner, Roy P., to Idacon, Inc. Method and composition for treating wood with pentachlorophenol. Re. 33,121, 11-28-89, Cl. 427-440.000.

Kiritani, Masataka; Matsukawa, Hiroharu; and Aoki, Masayuki, to Fuji Photo Film Co., Ltd. Pressure sensitive recording paper. Re. 33,113, 11-14-89, Cl. 503-213.000.

Kissei Yakuhin Kogyo Kabushiki: *See—*
Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, Re. 32,944, Cl. 562-455.000.

Kitaura, Yoshihiko: *See—*
Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Kluting, Bernd A.; and Zaveri, Vikram, to Keiper Recaro Incorporated. Superfine tooth seat back adjuster. Re. 32,884, 3-7-89, Cl. 297-367.000.

Kobayashi, Michihiro: *See—*
Harita, Kozaburo; Ajisawa, Yukiyoshi; Iizuka, Kinji; Kinoshita, Yukihiko; Kamijo, Tetsuhide; and Kobayashi, Michihiro, Re. 32,944, Cl. 562-455.000.

Kohsaka, Masanobu: *See—*
Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Kondo, Hideya: *See—*
Yokoyama, Youichi; and Kondo, Hideya, Re. 32,882, Cl. 335-14.000.

Konno, Kazutoshi: *See—*
Wakabayashi, Manabu; Minami, Kihachiro; Sanpei, Tohru; and Konno, Kazutoshi, Re. 32,876, Cl. 360-133.000.

Koshii, Taro; Morita, Yoshitsugu; Shinmi, Hideo; and Hanada, Tsuneo, to Toray Silicone Co., Ltd. Thermosetting epoxy resin compositions. Re. 32,958, 6-20-89, Cl. 525-476.000.

Kramer, George M., to Exxon Research and Engineering Company. Adamantane catalyzed paraffin isomerization. Re. 33,080, 10-3-89, Cl. 585-740.000.

Krapcho, John: *See—*
Floyd, David; and Krapcho, John, Re. 33,072, Cl. 540-491.000.

Krawczyk, Gregory J.: *See—*
Burt, David L.; and Krawczyk, Gregory J., Re. 32,997, Cl. 251-86.000.

Kreitzer, Melvyn H., to Vivitar Corporation. Zoom lens. Re. 32,923, 5-16-89, Cl. 350-423.000.

Krepski, Larry R.; Smith, Howell K., II; Rasmussen, Jerald K.; and Heilmann, Steven M., to Minnesota Mining and Manufacturing Company. Method of preparing N-acryloyl-α-amino acids Re. 32,952, 6-13-89, Cl. 562-450.000.

Kuchenbecker, Morris W., to James River Norwalk, Inc. Carton with improved opening structure. Re. 32,902, 4-11-89, Cl. 206-613.000.

Kudo, Mitsuhiro: *See—*
Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Kuno, Akira: *See—*
Matsumoto, Maneaki; Kuno, Akira; and Numata, Koji, Re. 33,025, Cl. 364-444.000.

Kureha Kagaku Kogyo Kabushiki Kaisha: *See—*
Aoki, Katsumichi; Kanda, Yoichi; Satake, Keigo; and Shinkawa, Hiroyasu, Re. 33,132, Cl. 71-92.000.

Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, to Fujisawa Pharaceutical Co., Ltd. Peptide process for preparation thereof and use thereof. Re. 32,992, 7-18-89, Cl. 530-331.000.

Kusuhara, Yuji: *See—*
Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.

La-Man Corporation: *See—*
Mann, David O., Re. 32,989, Cl. 55-323.000.

Labbe, Paul; and Morin, Andre, to Department of National Defense. Doppler tracking processor and time of closest approach detector. Re. 33,055, 9-12-89, Cl. 342-99.000.

Lachish, Doron: *See—*
Porat, Michael; Porat, Amir; and Lachish, Doron, Re. 32,974, Cl. 604-208.000.

Laidman, Jerry H. Low voltage lighting system replaceable bulb assembly. Re. 32,899, 4-4-89, Cl. 362-226.000.

L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude: *See—*
Petit, Pierre; Grenier, Maurice; and Deschamps, Jean-Francois, Re. 33,026, Cl. 62-36.000.

Laitram Corporation, The: *See—*
Lapeyre, James M., Re. 32,880, Cl. 251-46.000.

Lamuaga, Gary R., to Toro Company, The. Lawn mower grass collector bag support. Re. 32,954, 6-20-89, Cl. 56-202.000.

Landis, Abraham L.: *See—*
Bilow, Norman; Landis, Abraham L.; and Miller, Leroy J., Re. 33,079, Cl. 528-125.000.

Landstingens Inkopscentral, LIC, Ekonomisk Forening: *See—*
Beckestrom, Bo, Re. 33,106, Cl. 604-385.200.

Lantz, Paul W.: *See—*
Rhodes, James A.; Wren, Michael; Lantz, Paul W.; and Acock, George W., Jr., Re. 33,019, Cl. 52-2.000.

Lapeyre, James M., to Laitram Corporation, The. Rolling diaphragm metering valve. Re. 32,880, 2-28-89, Cl. 251-46.000.

Lapshansky, John F. Pivotable multiple socket. Re. 32,948, 6-13-89, Cl. 294-51.000.

Larkin, William A., to M&T Chemicals, Inc. Non-toxic organotin stabilizers for vinyl chloride polymers. Re. 32,935, 5-30-89, Cl. 426-106.000.

Larnaston, Ltd.: *See—*
Bandy, Stephen D., Re. 33,044, Cl. 114-103.000.

Laser Precision Corporation: *See—*
Doyle, Walter M., Re. 32,912, Cl. 356-244.000.

Lavaleric, Claude: *See—*
Coussau, Jean; and Lavaleric, Claude, Re. 32,832, Cl. 220-327.000.

LeHardy, Clement D.: *See—*
Cunningham, McCleery B.; and LeHardy, Clement D., Re. 33,060, Cl. 242-118.310.

Leigh-Monstevens, Keith V., to Automotive Products, plc. Hydraulic cylinder modular structure. Re. 32,814, 1-3-89, Cl. 60-585.000.

Leonard, George H., to Airpot Corp. Counterbalance device and torsion member usable therein. Re. 32,878, 2-28-89, Cl. 16-298.000.

Lerner, Bernard; and Liebhart, Dana, to Automated Packaging Systems, Inc. Packaging apparatus and method. Re. 32,963, 6-27-89, Cl. 53-459.000.

Levin, Paul D.; and Harding, John D., to Levin, Paul D. Blood sampling instrument. Re. 32,922, 5-16-89, Cl. 128-314.000.

Levine, Michael R., to Honeywell Inc. Electronic thermostat. Re. 32,960, 6-20-89, Cl. 364-557.000.

Levine, Morris M., to CIC Int'l Corp. Wet-dry vacuum cleaner. Re. 33,074, 10-3-89, Cl. 15-344.000.

Levy, Stanley B., to Du Pont de Nemours, E. I., and Company. Balloon and manufacture thereof. Re. 32,983, 7-11-89, Cl. 428-36.920.

Lewis, Julie M. Accouchement apparatus. Re. 33,115, 11-21-89, Cl. 269-328.000.

LFE Corporation: *See—*
Jacob, Adir, Re. 32,928, Cl. 156-643.000.

Liebhart, Dana: *See—*
Lerner, Bernard; and Liebhart, Dana, Re. 32,963, Cl. 53-459.000.

Linder, Karen E., to E. I Du Pont de Nemours and Company. Cationic technetium complexes useful as radiodiagnostic agents. Re. 32,826, 1-10-89, Cl. 424-1.100.

Linder, Marc S.: *See—*
McCormick, Peter E.; Edwards, Rick C.; Autry, Walter D., Jr.; Culbertson, Timothy D.; Goch, Jerome F.; and Linder, Marc S., Re. 32,854, Cl. 92-130.00R.

Lionelle, Joseph E.; and Staffa, Jeffrey A., to BioSystems Research Inc. Metal oxycarboxylates and method of making same. Re. 32,909, 4-18-89, Cl. 556-131.000.

Litke, Alan E., to Loctite Corporation. Thixotropic cyanoacrylate compositions. Re. 32,889, 3-14-89, Cl. 523-212.000.

Litton Systems, Inc.: *See—*
Wei, David T.; and Louderback, Anthony W., Re. 32,849, Cl. 204-192.270.

Lloyd, William A.: *See—*
St. John, Robert P.; and Lloyd, William A., Re. 32,967, Cl. 242-57.100.

Loctite Corporation: *See—*
Litke, Alan E., Re. 32,889, Cl. 523-212.000.

Longview Fibre Company: *See—*
Nordstrom, Duane M., Re. 33,128, Cl. 220-465.000.

Louderback, Anthony W.: *See—*
Wei, David T.; and Louderback, Anthony W., Re. 32,849, Cl. 204-192.270.

Lu, Chin H., to Xerox Corporation. Quarternary ammonium sulfate or sulfonate charge control agents for electrophotographic developers compatible with viton fuser. Re 32,883, 3-7-89, Cl. 430-110.000.

Luker, Edward: *See—*
Wright, David M.; and Luker, Edward, Re. 32,879, Cl. 215-252.000.

Lunax Corporation: *See—*
Berguer, Ramon, Re. 33,090, Cl. 36-9.00R.

Luneau, John R., to Resolvex Corporation. Brushless tachometer/synchro. Re. 32,857, 2-7-89, Cl. 322-61.000.

Lydall, Inc.: *See—*
Hiers, John J., Re. 33,023, Cl. 428-285.000.

Lynch, Joseph E.; Shinkai, Ichiro; and Volante, Ralph P., to Merck & Co., Inc. Process for the preparation of HMG-CoA reductase inhibitors intermediates. Re. 33,033, 8-22-89, Cl. 560-53.000.

M&T Chemicals, Inc.: *See—*
Larkin, William A., Re. 32,935, Cl. 426-106.000.

Macy, Amelita J., executor: *See—*
Macy, Lawrence E., deceased, Re. 32,955, Cl. 123-198.00D.

Macy, Lawrence E., deceased (by Macy, Amelita J., executor), to Muncie Power Products, Inc. Electronic overspeed switch. Re. 32,955, 6-20-89, Cl. 123-198.00D.

Maemori, Takashi: *See—*
Ohmura, Hiroshi; Maemori, Takashi; and Ishii, Toshio, Re. 32,959, Cl. 354-403.000.

Magnetic Peripherals, Inc.: *See—*
Silvy, Dorrel R.; and Stanis, William J., Re. 32,937, Cl. 365-234.000.

Maile, Graham K.: *See—*
Vanstone, Anthony E.; Maile, Graham K.; and Nalbantoglu, Lynn K., Re. 33,109, Cl. 560-54.000.

Malot, James J.: *See—*
Visser, Melvin J.; and Malot, James J., Re. 33,102, Cl. 166-267.000.

Mann, David O., to La-Man Corporation. Air line vapor trap. Re. 32,989, 7-18-89, Cl. 55-323.000.

Manville Service Corporation: *See—*
Schuster, Richard L., Re. 32,956, Cl. 206-428.000.

Maples, James A.: *See—*
Pepper, Robert B.; and Maples, James A., Re. 33,089, Cl. 364-480.000.

Marathon Oil Company: *See—*
Jones, Stanley C., Re. 32,964, Cl. 73-38.000.

Marchal, Daniel: *See—*
Courtoy, Jean-Francois; and Marchal, Daniel, Re. 33,069, Cl. 428-142.000.

Markham, Herbert. Inventory control and reporting system for dry-cleaning stores. Re. 33,054, 9-12-89, Cl. 235-385.000.

Marlatt, George R., to Westinghouse Electric Corp. Self rupturing gas moderator rod for a nuclear reactor. Re. 33,030, 8-22-89, Cl. 376-209.000.

Marshall, Frank G.; and Paige, Edward G. S., to United Kingdom of Great Britain and Northern Ireland, The Secretary of State for Defence in Her Britannic Majesty's Government of the. Acoustic surface wave devices. Re. 32,859, 2-7-89, Cl. 333-151.000.

Martin Marietta Energy Systems, Inc.: *See—*
Wei, George C., Re. 32,843, Cl. 501-95.000.

Marty, Garry R., to Masco Corporation. Anti-siphon and anti-knock diverter valve. Re. 32,981, 7-11-89, Cl. 137-119.000.

Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, to Hitachi, Ltd. Electrophotographic member with alpha-si layers. Re. 33,094, 10-17-89, Cl. 430-57.000.

Masco Corporation: *See—*
Marty, Garry R., Re. 32,981, Cl. 137-119.000.

Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, to Hitachi, Ltd. Vacuum pump. Re. 33,129, 12-12-89, Cl. 415-90.000.

Matson, Wayne R.; and Vitukevich, Ronald, to ESA, Inc. Electrochemical testing system and method. Re. 32,920, 5-9-89, Cl. 204-1.00T.

Matsubara, Hirokazu: *See—*
Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.

Matsukawa, Hiroharu: *See—*
Kiritani, Masataka; Matsukawa, Hiroharu; and Aoki, Masayuki, Re. 33,113, Cl. 503-213.000.

Matsumaru, Hiroshi: *See—*
Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.

Matsumoto, Maneaki; Kuno, Akira; and Numata, Koji, to Nippon Soken, Inc. Method and apparatus for display of distance and direction to destination. Re. 33,025, 8-15-89, Cl. 364-444.000.

Matsushita Electric Works, Ltd.: *See—*
Yokoyama, Youichi; and Kondo, Hideya, Re. 32,882, Cl. 335-14.000.

McBeth, James B., to Teleflex Incorporated. Air bleeding system for hydraulic closed circuits. Re. 33,043, 9-5-89, Cl. 60-327.000.

McCann, T. Michael, to General Instrument Corp. Rectifier with slug construction and mold for fabricating same, Re. 32,829, 1-10-89, Cl. 361-436.000.

McCormick, Peter E.; Edwards, Rick C.; Autry, Walter D., Jr.; Culbertson, Timothy D.; Goch, Jerome F.; and Linder, Marc S., to EOA Systems, Inc. Adapter with modular components for a robot end-of-arm interchangeable tooling system. Re. 32,854, 2-7-89, Cl. 92-130.00R.

McGlasson, Albert J.: *See—*
Miller, Daniel R.; and McGlasson, Albert J., Re. 32,966, Cl. 206-328.000.

Mead Corporation, The: *See—*
Wood, Prentice J.; and Doerr, Erwin, Re. 33,110, Cl. 229-117.130.

Mechanical Technology Incorporated: *See—*
Hull-Allen, Gregory, Re. 33,078, Cl. 356-373.000.

Meistrick, Zdenek S.; and Queeneville, Raymond N., to Jacobs Manufacturing Company, The. Compression release retarder with valve motion modifier. Re. 33,052, 9-12-89, Cl. 123-321.000.

Melanson, Joseph: *See—*
Nakata, Nori; and Melanson, Joseph, Re. 32,946, Cl. 53-452.000.

Merck & Co., Inc.: *See—*
Lynch, Joseph E.; Shinkai, Ichiro; and Volante, Ralph P., Re. 33,033, Cl. 560-53.000.

Metzger, Karl G.: *See—*
Grohe, Klaus; Zeiler, Hans-Joachim; and Metzger, Karl G., Re. 32,975, Cl. 514-212.000

Meurer Nonfood Product GmbH: *See—*
Vossen, Franz, Re. 32,817, Cl. 493-1.000.

Midwest Research Institute: *See—*
Kimmel, Albert L.; Chappelow, Cecil C., Jr.; and Castelli, Vincent J., Re. 33,048, Cl. 523-122.000.

Miki, Yukio: *See—*
Ishikawa, Norio; and Miki, Yukio, Re. 33,016, Cl. 354-400.000.

Miller, Daniel R.; and McGlasson, Albert J., to Buckhorn Material Handling Group, Inc. Tote box. Re. 32,966, 6-27-89, Cl. 206-328.000.

Miller, David A. B., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Nonlinear and bistable optical device. Re. 32,893, 3-21-89, Cl. 250-211.00J.

Miller, Leroy J.: *See—*
Bilow, Norman; Landis, Abraham L.; and Miller, Leroy J., Re. 33,079, Cl. 528-125.000.

Miller, Peter: *See—*
Millsap, James W.; and Miller, Peter, Re. 32,856, Cl. 340-539.000.

Mills, Larry E.; and Dove, Thomas D., to Bedinghaus Business Forms, Inc. Envelope assembly. Re. 32,971, 7-4-89, Cl. 282-11.50A.

Millsap, James W.; and Miller, Peter, to Miller, Peter. Alarm system. Re. 32,856, 2-7-89, Cl. 340-539.000

Minami, Kihachiro: *See—*
Wakabayashi, Manabu; Minami, Kihachiro; Sanpei, Tohru; and Konno, Kazutoshi, Re. 32,876, Cl. 360-133.000.

Minnesota Mining and Manufacturing Company: *See—*
Krepski, Larry R.; Smith, Howell K., II; Rasmussen, Jerald K.; and Heilmann, Steven M., Re. 32,952, Cl. 562-450.000.

Minolta Camera Kabushiki Kaisha: *See—*
Ishikawa, Norio; and Miki, Yukio, Re. 33,016, Cl. 354-400.000.
Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, Re. 33,015, Cl. 354-286.000.

Mitchell, Michael: *See—*
Kirby, Ian; Mitchell, Michael; and Stratton, Andrew, Re. 33,004, Cl. 102-200.000.

Mitchell, Michael I.: *See—*
Kirby, Ian J.; Mitchell, Michael I.; and Stratton, Andrew, Re. 32,888, Cl. 102-217.000.

Mitsubishi Denki Kabushiki Kaisha: *See—*
Anami, Kenji; Yoshimoto, Masahiko; Shinohara, Hirofumi; and Tomisawa, Osamu, Re. 32,993, Cl. 365-230.030.

Mitsubishi Jidosha Kogyo Kabushiki Kaisha: *See—*
Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.

Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, to Kabusihiki Kaisha Hayashibara Seibutsu Kagaku Kenkyujo. Process for producing a high-purity maltose, Re. 33,047, 9-5-89, Cl. 127-46.300.

Miyamoto, Shoji: *See—*
Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.

Mobil Oil Corporation: *See—*
Derouane, E. G.; Dessau, R. M.; Heilweil, I. J.; and Kerr, G. T., Re. 33,009, Cl. 556-14.000.
Orem, William G., Re. 33,122, Cl. 53-459.000.

Moir, Christopher I., to Helitune Limited. Position detector. Re. 33,097, 10-17-89, Cl. 250-561.000.

Molex Incorporated: *See—*
Dechelette, Helen, Re. 32,898, Cl. 439-395.000.

Monsanto Company: *See—*
Chamberlin, John M.; Chilvers, Edward W., Jr.; Nunning, Walter J.; and Southern, John H., Re. 33,059, Cl. 57-243.000.

Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, to Hitachi, Ltd. Message communication method and system. Re. 32,887, 3-14-89, Cl. 340-825.050.

Morin, Andre: *See—*
Labbe, Paul; and Morin, Andre, Re. 33,055, Cl. 342-99.000.

Morita, Yoshitsugu: *See—*
Koshii, Taro; Morita, Yoshitsugu; Shinmi, Hideo; and Hanada, Tsuneo, Re. 32,958, Cl. 525-476.000.

Morrison, Donald R. Motorized dumping vehicle. Re. 33,131, 12-19-89, Cl. 298-1.00H.

Morrison, Garrett L., to Passamaquoddy Tribe, A Sovereign Indian tribe recognized by the Government of The United States of America. Method for simultaneously scrubbing cement kiln exhaust gas and producing useful by-products therefrom. Re. 33,031, 8-22-89, Cl. 423-225.000.

Motor Wheel Corporation: *See—*
Woelfel, James A.; and Smith, Richard W., Re. 32,949, Cl. 425-330.000.

Mudge, Philip H., to Cerberus A.G. Passive infrared intrusion detection system. Re. 32,828, 1-10-89, Cl. 250-342.000.

Muellenberg, Ralph. Clamping device. Re. 32,881, 2-28-89, Cl. 403-16.000.

Mulder, Douglas C., to Nordson Corporation. Apparatus for transferring powder from bulk drums. Re. 32,841, 1-24-89, Cl. 406-134.000.

Mullner, Joseph: *See—*
Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, Re. 33,034, Cl. 241-119.000.

Muncie Power Products, Inc.: *See—*
Macy, Lawrence E., deceased, Re. 32,955, Cl. 123-198.00D.

Murakami, Toshio; and Hanma, Kentaro, to Hitachi, Ltd. Automatic focusing system for video cameras. Re. 33,081, 10-3-89, Cl. 358-227.000.

Murata, Shuji: *See—*
Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, Re. 32,987, Cl. 177-25.180.

Nagae, Yoshiharu; Isogai, Masato; Kawakami, Hideaki; and Nakano, Fumio, to Hitachi, Ltd. Method for driving liquid crystal element employing ferroelectric liquid crystal. Re. 33,120, 11-28-89, Cl. 350-350.00S.

Nagano, Masashi, to Shimano Industrial Company Limited. Derailleur for a bicycle. Re. 32,924, 5-16-89, Cl. 474-82.000.

Nagaoka, Takashi: *See—*
Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, Re. 33,129, Cl. 415-90.000.

Nagashima, Akira, to Kioritz & Corporation. Strainer. Re. 33,103, 10-31-89, Cl. 210-172.000.

Nagata, Masanori; Inoue, Toshiaki; and Hirayama, Mamoru, to Omron Tateisi Electronics Co. Credit transaction processing system. Re. 32,985, 7-11-89, Cl. 364-401.000.

Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, to Ishida Scales Manufacturing Company, Ltd. Combination weighing system and method. Re. 32,987, 7-18-89, Cl. 177-25.180.

Nakagawa, Yuko: *See—*
Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, Re. 32,987, Cl. 177-25.180.

Nakaguchi, Osamu: *See—*
Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, to Minolta Camera Kabushiki Kaisha. Camera system operable in accordance with stored memory. Re. 33,015, 8-8-89, Cl. 354-286.000.

Nakamura, Masato; Nomura, Yoshika; and Uchimoto, Iwahiro, to Honshu Seishi Kabushiki Kaisha. Process for cooking lignocellulosic material in the presence of hydroxyanthracenes and derivatives thereof. Re. 32,943, 6-6-89, Cl. 162-76.000.

Nakano, Fumio: *See—*
Nagae, Yoshiharu; Isogai, Masato; Kawakami, Hideaki; and Nakano, Fumio, Re. 33,120, Cl. 350-350.00S.

Nakao, Kenzo: *See—*
Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.

Nakata, Nori; and Melanson, Joseph. Fish bait tier. Re. 32,946, 6-13-89, Cl. 53-452.000.

Nalbantoglu, Lynn K.: *See—*
Vanstone, Anthony E.; Maile, Graham K.; and Nalbantoglu, Lynn K., Re. 33,109, Cl. 560-54.000.

Needham, Dale M.: *See—*
Haman, David F.; and Needham, Dale M., Re. 32,938, Cl. 123-73.00B.

Nenna, Vito. Method of forming the primary core of a prestressed concrete pipe. Re. 33,101, 10-24-89, Cl. 264-71.000.

Newton, Alan R. Drive chain. Re. 32,941, 6-6-89, Cl. 474-210.000.

NGK Insulators, Ltd.: *See—*
Takeuchi, Yukihisa; and Fujita, Tadasha, Re. 33,013, Cl. 438-116.000.

Niederer, Kurt W., to Belmont Textile Machinery Company. Method and apparatus for automatically doffing and donning take-up packages on a winder. Re. 33,111, 11-14-89, Cl. 242-18.00A.

Nilssen, Ole K. Series-resonant electronic ballast circuit. Re. 32,901, 4-4-89, Cl. 315-244.000.

Nilssen, Ole K. Electronic fluorescent lamp ballast with overload protection. Re. 32,953, 6-13-89, Cl. 315-224.000.

Nippon Gakki Seizo Kabushiki Kaisha: *See—*
Suzuki, Hideo, Re. 32,838, Cl. 84-1.240.
Wachi, Masatada, Re. 32,862, Cl. 84-1.210.

Nippon Paint Co., Ltd.: *See—*
Ishikawa, Katsukiyo; Nishijima, Kanji; and Seio, Mamoru, Re. 33,108, Cl. 156-659.100.

Nippon Soken, Inc.: *See—*
Matsumoto, Maneaki; Kuno, Akira; and Numata, Koji, Re. 33,025, Cl. 364-444.000.

Nishi, Koichi: *See—*
Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.

Nishijima, Kanji: *See—*
Ishikawa, Katsukiyo; Nishijima, Kanji; and Seio, Mamoru, Re. 33,108, Cl. 156-659.100.

Nobutugu, Hideo: *See—*
Naito, Kazufumi; Haze, Setsuo; Nobutugu, Hideo; Nakagawa, Yuko; Yamada, Seiji; and Murata, Shuji, Re. 32,987, Cl. 177-25.180.

Nohmi, Makoto: *See—*
Mori, Kinji; Nohmi, Makoto; Miyamoto, Shoji; Ihara, Hirokazu; Matsumaru, Hiroshi; and Ikeda, Katuaki, Re. 32,887, Cl. 340-825.050.

Nolting, Eugene C.: *See—*
Johnson, Gerald L.; Nolting, Eugene C.; and Allen, John H., Re. 33,134, Cl. 101-109.000.

Nomura, Yoshika: *See—*
Nakamura, Masato; Nomura, Yoshika; and Uchimoto, Iwahiro, Re. 32,943, Cl. 162-76.000.

Nordson Corporation: *See—*
Mulder, Douglas C., Re. 32,841, Cl. 406-134.000.

Nordstrom, Duane M., to Longview Fibre Company. Paperboard container for liquids including means to prevent fitment rotation. Re. 33,128, 12-12-89, Cl. 220-465.000.

North American Filter Corporation: *See—*
Tarala, Frederick E., Re. 32,851, Cl. 210-455.000.

NSK-Warner K.K.: *See—*
Yokote, Yoshihiro; and Yamamoto, Kazuo, Re. 33,020, Cl. 280-804.000.

Numata, Koji: *See—*
Matsumoto, Maneaki; Kuno, Akira; and Numata, Koji, Re. 33,025, Cl. 364-444.000.

Nunning, Walter J.: *See—*
Chamberlin, John M.; Chilvers, Edward W., Jr.; Nunning, Walter J.; and Southern, John H., Re. 33,059, Cl. 57-243.000.

Obeda, Edward G. Apparatus and method for ultrasonically joining sheets of thermoplastic materials. Re. 33,063, 9-19-89, Cl. 156-73.100.

Ogata, Yasunobu: *See—*
Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Oguchi, Toshiaki, to Citizen Watch Co., Ltd. Tuning device. Re. 32,853, 1-31-89, Cl. 334-11.000.

Ohguro, Tadafumi: *See—*
Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.

Ohmiya, Takeo: *See—*
Taguchi, Atsushi; and Ohmiya, Takeo, Re. 32,976, Cl. 536-98.000.

Ohmura, Hiroshi; Maemori, Takashi; and Ishii, Toshio, to Fuji Photo Film Co., Ltd. Automatic focusing apparatus. Re. 32,959, 6-20-89, Cl. 354-403.000.

Ohshima, Yoshikuni: *See—*
Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006 Cl. 165-134.100.

Okada, Satoshi: *See—*
Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Okamoto, Yasukuki: *See—*
Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.

Olin Corporation: *See—*
Butt, Sheldon H., Re. 32,942, Cl. 75-235.000.

Omron Tateisi Electronics Co.: *See—*
Nagata, Masanori; Inoue, Toshiaki; and Hirayama, Mamoru, Re. 32,985, Cl. 364-401.000.

Onda, Eiichi; and Watanabe, Masanori, to Seiko Koki Kabushiki Kaisha. Focal plane shutter for cameras. Re. 33,117, 11-21-89, Cl. 354-246.000.

Ono, Yoshimi: *See—*
Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.

Orem, William G., to Mobil Oil Corporation. Apparatus for loading bags. Re. 33,122, 12-5-89, Cl. 53-459.000.

O'Rourke, Harold T., to Hollis Automation, Inc. Mass soldering system. Re. 32,982, 7-11-89, Cl. 228-180.100.

Ornic, Milo, to American Telephone and Telegraph Company, AT&T Bell Laboratories. Fast circuit switching system. Re. 32,900, 4-4-89, Cl. 370-54.000.

Ostrander, Charles, to Consolidated Foods. Slipper. Re. 33,018, 8-15-89, Cl. 36-102.000.

Oswald, Richard A.: *See—*
Alter, H. Ward; and Oswald, Richard A., Re. 33,065, Cl. 250-253.000.

Otomo, Shigekazu: *See—*
Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Outboard Marine Corporation: *See—*
Haman, David F.; and Needham, Dale M., Re. 32,938, Cl. 123-73.00B.

Pacholok, David R. Power supply for gas discharge devices. Re. 32,904, 4-11-89, Cl. 363-131.000.

Pacropis, Donald R.: *See—*
Ibsen, Robert L.; Glace, William R.; and Pacropis, Donald R., Re. 33,100, Cl. 106-35.000.

Paige, Edward G. S.: *See—*
Marshall, Frank G.; and Paige, Edward G. S., Re. 32,859, Cl. 333-151.000.

Pandrol Limited: *See—*
Gragnami, Nelson A., Re. 32,894, Cl. 238-304.000.

Panetti, Romolo, to Speno International S.A. Device for the in situ reprofiling of the head of at least one rail of a railroad track. Re. 32,979, 7-11-89, Cl. 51-178.000.

Panzarella, James S., to Quaker Oats Company, The. Toy bubble-blowing lawn mower. Re. 32,973, 7-4-89, Cl. 446-16.000.

Parkinson, Gerald W.: *See—*
Bradford, Michael P.; Parkinson, Gerald W.; and Grant, Ross M., Re. 33,087, Cl. 307-64.000.

Passamaquoddy Tribe, A Sovereign Indian tribe recognized by the Government of The United States of America: *See—*
Morrison, Garrett L., Re. 33,031, Cl. 423-225.000.

Paulson, Gary F.: *See—*
Sandberg, Christopher T.; and Paulson, Gary F., Re. 32,846, Cl 16-381.000.

Pellegrino, Raymond W. Controlled dispensing apparatus. Re. 33,083, 10-10-89, Cl. 222-181.000.

Pennwalt Corporation: *See—*
Kinsolving, C. Richard, Re. 32,990, Cl. 514-560.000.

Penttila, Richard C.: *See—*
Fernholz, Peter J.; Copeland, James L.; and Penttila, Richard C., Re. 32,818, Cl. 252-90.000.

Pepper, Robert B.; and Maples, James A. Position sensing and indicating device. Re. 33,089, 10-10-89, Cl. 364-480.000.

Perl, Martin M.: *See—*
Schiraldi, Michael T.; Perl, Martin M.; and Rubin, Howard, Re. 33,093, Cl. 424-676.000.

Petersen, Ross K.; and Franzen, Raymond E. Precleaner. Re. 33,085, 10-10-89, Cl. 55-327.000.

Petit, Jocelyn I.: *See—*
Sanders, Robert E., Jr.; and Petit, Jocelyn I., Re. 33,092, Cl. 148-12.70A.

Petit, Pierre; Grenier, Maurice; and Deschamps, Jean-Francois, to L'Air Liquide, Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude. Process and device for vaporizing a liquid by heat exchange with a second fluid and their application in an air distillation installation. Re. 33,026, 8-22-89, Cl. 62-36.000.

Petrarch Systems Inc.: *See—*
Arkles, Barry C., Re. 33,070, Cl. 525-431.000.

Pfender, Emil, to University of Minnesota, Regents of the. Method of utilizing a plasma column. Re. 32,908, 4-18-89, Cl. 427-37.000.

Piezoelectric Technology Investors, Inc.: *See—*
Staudte, Juergen H., Re. 32,931, Cl. 73-505.000.

Place, John F.: *See—*
Carter, Timothy J. N.; Dahne, Claus; and Place, John F., Re. 33,064, Cl. 436-34.000.

Plank, Robert R. Drawer apparatus. Re. 32,816, 1-3-89, Cl. 312-330.00R.

Polk, Donald E.: *See—*
Chen, Ho-Sou; and Polk, Donald E., Re. 32,925, Cl. 148-403.000.

Pollack, Ronald M. Electric cord holder assembly. Re. 32,820, 1-3-89, Cl. 174-68.300.

Porat, Amir: *See—*
Porat, Michael; Porat, Amir; and Lachish, Doron, Re. 32,974, Cl. 604-208.000.

Porat, Michael; Porat, Amir; and Lachish, Doron. Syringe. Re. 32,974, 7-4-89, Cl. 604-208.000.

President and Fellows of Harvard College: *See—*
Greene, Mark I.; and Fields, Bernard N., Re. 32,833, Cl. 424-86.000.

Prutec Limited: *See—*
Carter, Timothy J. N.; Dahne, Claus; and Place, John F., Re. 33,064, Cl. 436-34.000.

Quaker Oats Company, The: *See—*
Panzarella, James S., Re. 32,973, Cl. 446-16.000.

Queeneville, Raymond N.: *See—*
Meistrick, Zdenek S.; and Queeneville, Raymond N., Re. 33,052, Cl. 123-321.000.

Ranson, Jean-Francois. Intermittently operating pneumatic device for pumping solid-carrying liquids and slurries. Re. 33,084, 10-10-89, Cl. 406-50.000.

Rasmussen, Jerald K.: *See—*
Krepski, Larry R.; Smith, Howell K., II; Rasmussen, Jerald K.; and Heilmann, Steven M., Re. 32,952, Cl. 562-450.000.

Ravin, Robert H., to Electric Specialty, Inc. Diesel heat pump. Re. 33,051, 9-12-89, Cl. 123-142.50R.

Recovery Engineering: *See—*
  Wanner, William F., Sr., deceased; and Wanner, William F., Jr., trustee, Re. 33,135, Cl. 417-377.000.

Reed Lignin, Inc.: *See—*
  Detroit, William J.; and Sanford, Michael E., Re. 32,895, Cl. 530-500.000.

Reese, Eckart: *See—*
  Binsack, Rudolf; Wank, Joachim; and Reese, Eckart, Re. 33,032, Cl. 524-165.000.

Reich Spezialmaschinen GmbH: *See—*
  Dettelbach, Alfred; and Binder, Werner, Re. 32,986, Cl. 83-863.000.

Research Corporation: *See—*
  Hall, Iris H.; Cocolas, George H.; and Chapman, James H., Jr., Re. 32,868, Cl. 514-421.000.

Research Development Corp. of Japan: *See—*
  Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Resolvex Corporation: *See—*
  Luneau, John R., Re. 32,857, Cl. 322-61.000.

Restaurant Technology, Inc.: *See—*
  Adamson, Lee A.; Ewald, Henry T.; and Bergling, Craig L., Re. 32,994, Cl. 99-332.000.

Reynolds Metals Company: *See—*
  Taylor, Robert L.; Sink, Danny R.; and Cudzik, Daniel F., Re. 32,927, Cl. 220-306.000.

Rhodes, James A.; Wren, Michael; Lantz, Paul W.; and Acock, George W., Jr. Environmentally controlled building. Re. 33,019, 8-15-89, Cl. 52-2.000.

Richard, Gordon L.: *See—*
  Dormer, Kenneth J.; and Richard, Gordon L., Re. 32,947, Cl. 128-420.600.

Ricoh Company, Ltd.: *See—*
  Araki, Kunihiko; Iguchi, Susumu; Ohguro, Tadafumi; Ono, Yoshimi; Nishi, Koichi; Fukushima, Yoshio; Yamane, Satoshi; and Horigome, Hirofumi, Re. 32,850, Cl. 354-412.000.

Rippes S.A.: *See—*
  Courrege, Claude, Re. 33,136, Cl. 431-329.000.

Robert Bosch GmbH: *See—*
  Schmid, Walter, Re. 32,965, Cl. 123-503.000.

Rock, Gail A.; and Adams, George A., to Rock, Gail A. Plasma-free medium for platelet storage. Re. 32,874, 2-21-89, Cl. 424-101.000.

Rockwell International Corporation: *See—*
  Smithson, Richard A., Re. 32,945, Cl. 375-106.000.

Rolfe, Jonathan L.: *See—*
  Szycher, Michael; Dempsey, Donald J.; and Rolfe, Jonathan L., Re. 32,991, Cl. 528-75.000.

Rorer Pharmaceutical Corporation: *See—*
  Campbell, Henry F.; Scholtz, Thomas H.; and Douglas, George H., Re. 33,125, Cl. 514-383.000.

Rosen, William E.: *See—*
  Berke, Philip A.; and Rosen, William E., Re. 32,848, Cl. 548-311.000.

Rosenfeld, Jerome P., to General Electric Company. Optical pattern generation technique. Re. 32,984, 7-11-89, Cl. 358-107.000.

Rubin, Howard: *See—*
  Schiraldi, Michael T.; Perl, Martin M.; and Rubin, Howard, Re. 33,093, Cl. 424-676.000.

Rudolph, Peter K. C., to Boeing Company, The. Airfoil flap assembly with flap track member. Re. 32,907, 4-18-89, Cl. 244-215.000.

Ruffner, Charles G.; and Wilkerson, John M., III, to Alco Chemical Corporation. Acrylic emulsion copolymers for thickening aqueous systems and copolymerizable surfactant monomers for use therein. Re. 33,008, 8-1-89, Cl. 526-270.000.

Rutledge, Russell P.: *See—*
  Rutledge, Woodrow T., Jr.; Rutledge, Russell P.; Freeman, Jon B.; and Clark, Stephen D., Re. 32,865, Cl. 403-268.000.

Rutledge, Woodrow T., Jr.; Rutledge, Russell P.; Freeman, Jon B.; and Clark, Stephen D., to Fiberflex Products Ltd. Fiberglass sucker rod construction. Re. 32,865, 2-14-89, Cl. 403-268.000.

S. C. Johnson & Son, Inc.: *See—*
  Dahlby, Larry C., Re. 32,823, Cl. 209-616.000.

Sahara, Masayoshi: *See—*
  Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, Re. 33,015, Cl. 354-286.000.

St. John, Robert P.; and Lloyd, William A., to Xerox Corporation. Web tracking system. Re. 32,967, 6-27-89, Cl. 242-57.100.

Saito, Cyuichi; and Sato, Yoshihiko, to Hitachi, Ltd. Balustrade of passenger conveyor. Re. 32,839, 1-24-89, Cl. 198-335.000.

Sakai, Shuzo: *See—*
  Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, Re. 33,047, Cl. 127-46.300.

Sakai, Yasuhito, to Fuji Jukogyo Kabushiki Kaisha. Control system for an infinitely variable transmission. Re. 33,062, 9-19-89, Cl. 474-28.000.

Salmon, David M.: *See—*
  Salmon, Peter C.; and Salmon, David M., Re. 32,897, Cl. 346-76.0PH.

Salmon, Peter C.; and Salmon, David M., to Santek, Inc. Thermal print head. Re. 32,897, 3-28-89, Cl. 346-76.0PH.

Sandberg, Christopher T.; and Paulson, Gary F., to Truth Incorporated. Snap stud. Re. 32,846, 1-31-89, Cl. 16-381.000.

Sanden Corporation: *See—*
  Hirano, Mutsuo; and Tsunoda, Nagatoshi, Re. 32,980, Cl. 84-1.030.

Sanders, Robert E., Jr.; and Petit, Jocelyn I., to Aluminum Company of America. High strength weldable aluminum base alloy product and method of making same. Re. 33,092, 10-17-89, Cl. 148-12.70A.

Sanford, Michael E.: *See—*
  Detroit, William J.; and Sanford, Michael E., Re. 32,895, Cl. 530-500.000.

Sanpei, Tohru: *See—*
  Wakabayashi, Manabu; Minami, Kihachiro; Sanpei, Tohru; and Konno, Kazutoshi, Re. 32,876, Cl. 360-133.000.

Santek, Inc.: *See—*
  Salmon, Peter C.; and Salmon, David M., Re. 32,897, Cl. 346-76.0PH.

Sarnoff, Stanley J., to Survival Technology, Inc. Method of enhancing the effect of t-PA. Re. 32,919, 5-9-89, Cl. 514-2.000.

Satake, Keigo: *See—*
  Aoki, Katsumichi; Kanda, Yoichi; Satake, Keigo; and Shinkawa, Hiroyasu, Re. 33,132, Cl. 71-92.000.

Sato, Yoshihiko: *See—*
  Saito, Cyuichi; and Sato, Yoshihiko, Re. 32,839, Cl. 198-335.000.

Sawada, Yoshizo: *See—*
  Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Scheitlin, George E.; Sickels, Mark A.; and Usleman, Robert T., to Arvin Industries, Inc. Exhaust processor. Re. 33,118, 11-28-89, Cl. 60-299.000.

Schiefer, Bernhard; and Bumberger, Herbert, to Didier-Werke AG; and Voest-Alpine AG. Closure mechanism with gas seal. Re. 33,036, 8-29-89, Cl. 222-597.000.

Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, to J. M. Voith GmbH. Press roll for web material with clamped press jacket. Re. 33,034, 8-29-89, Cl. 241-119.000.

Schiraldi, Michael T.; Perl, Martin M.; and Rubin, Howard, to Johnson & Johnson Consumer Products, Inc. Bioadhesive extruded film for intra-oral drug delivery and process. Re. 33,093, 10-17-89, Cl. 424-676.000.

Schlosser, Erich J., to Weber-Stephen Products Co. Ash disposal damper for barbecue kettle. Re. 33,091, 10-17-89, Cl. 126-9.00B.

Schlumberger Technology Corporation: *See—*
  Clark, Brian, Re. 32,913, Cl. 324-338.000.
  Shonrock, Clinton O.; Wambaugh, John O.; and Hoppe, Joachim A., Re. 32,831, Cl. 166-135.000.

Schmid, Walter, to Robert Bosch GmbH. Fuel injection pump for internal combustion engines. Re. 32,965, 6-27-89. Cl. 123-503.000.

Scholtz, Thomas H.: *See—*
  Campbell, Henry F.; Scholtz, Thomas H.; and Douglas, George H., Re. 33,125, Cl. 514-383.000.

Schuster, Richard L., to Manville Service Corporation. Carton and blank therefor. Re. 32,956, 6-20-89, Cl. 206-428.000.

Seger, Fritz O., to Cameron Iron Works USA Inc. Low noise valve. Re. 33,053, 9-12-89, Cl. 251-121.000.

Seiko Epson Corporation: *See—*
  Iwamatsu, Seiichi, Re. 33,096, Cl. 428-156.000.

Seiko Koki Kabushiki Kaisha: *See—*
  Onda, Eiichi; and Watanabe, Masanori, Re. 33,117, Cl. 354-246.000.

Seio, Mamoru: *See—*
  Ishikawa, Katsukiyo; Nishijima, Kanji; and Seio, Mamoru, Re. 33,108, Cl. 156-659.100.

Shaw, Daniel L. Structure for and method of reproduction. Re. 32,877, 2-21-89, Cl. 358-77.000.

Sherman, John D.; and Chao, Chien C., to UOP. Separation of mannose by selective adsorption on zeolitic molecular sieves. Re. 33,105, 10-31-89, Cl. 536-127.000.

Shibuya, Takashi: *See—*
  Miyake, Toshio; Sakai, Shuzo; and Shibuya, Takashi, Re. 33,047, Cl. 127-46.300.

Shiiki, Kazuo: *See—*
  Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.

Shimano Industrial Company Limited: *See—*
  Nagano, Masashi, Re. 32,924, Cl. 474-82.000.

Shimomoto, Yasuharu: *See—*
  Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.

Shinkai, Ichiro: *See—*
  Lynch, Joseph E.; Shinkai, Ichiro; and Volante, Ralph P., Re. 33,033, Cl. 560-53.000.

Shinkawa, Hiroyasu: *See—*
  Aoki, Katsumichi; Kanda, Yoichi; Satake, Keigo; and Shinkawa, Hiroyasu, Re. 33,132, Cl. 71-92.000.

Shinmi, Hideo: *See—*
  Koshii, Taro; Morita, Yoshitsugu; Shinmi, Hideo; and Hanada, Tsuneo, Re. 32,958, Cl. 525-476.000.

Shinohara, Hirofumi: *See—*
  Anami, Kenji; Yoshimoto, Masahiko; Shinohara, Hirofumi; and Tomisawa, Osamu, Re. 32,993, Cl. 365-230.030.

Shiraishi, Iwao: *See—*
  Hataya, Fumio; Izumiya, Masakiyo; Ohshima, Yoshikuni; Akutsu, Koichi; Ueda, Syuzo; Ishikawa, Masaaki; Kusuhara, Yuji; and Shiraishi, Iwao, Re. 33,006, Cl. 165-134.100.

Shoher, Itzhak; and Whiteman, Aharon. Dental crown, coping and method. Re. 33,099, 10-24-89, Cl. 433-222.100.

Shonrock, Clinton O.; Wambaugh, John O.; and Hoppe, Joachim A., to Schlumberger Technology Corporation. Apparatus for sealing a well casing. Re. 32,831, 1-17-89, Cl. 166-135.000.

Sickels, Mark A.: *See—*
  Scheitlin, George E.; Sickels, Mark A.; and Usleman, Robert T., Re. 33,118, Cl. 60-299.000.

Silvy, Dorrel R.; and Stanis, William J., to Magnetic Peripherals, Inc. Modulation system for optical recording. Re. 32,937, 5-30-89, Cl. 365-234.000.

Simons, Samuel, to Dana Corporation. Method of welding aluminum driveshaft components. Re. 32,892, 3-21-89, Cl. 219-137.0WM.

Simpson, Donald C., to Dresser Industries, Inc. Electropneumatic transducer system. Re. 33,028, 8-22-89, Cl. 137-82.000.

Singer, Haimi N., to Singer and Hersch Industrial Development (PTY) Ltd. Water-based industrial fluids. Re. 33,124, 12-5-89, Cl. 252-18.000.

Singer and Hersch Industrial Development (PTY) Ltd.: *See—*
  Singer, Haimi N., Re. 33,124, Cl. 252-18.000.

Sink, Danny R.: *See—*
  Taylor, Robert L.; Sink, Danny R.; and Cudzik, Daniel F., Re. 32,927, Cl. 220-306.000.

Sloane, Neil J. A.: *See—*
  Calderbank, Arthur R.; and Sloane, Neil J. A., Re. 33,041, Cl. 341-50.000.

Smid, Albert, to U.S. Philips Corporation. Single collimator lens having one aspherical surface. Re. 32,988, 7-18-89, Cl. 350-432.000.

Smith, Alfred A., to Guardian Products, Inc. Height adjustable crutch. Re. 32,815, 1-3-89, Cl. 135-69.000.

Smith, Howell K., II: *See—*
  Krepski, Larry R.; Smith, Howell K., II; Rasmussen, Jerald K.; and Heilmann, Steven M., Re. 32,952, Cl. 562-450.000.

Smith, Peter J., to Fomico International, Inc. Adjustable mold for concrete median barrier. Re. 32,936, 5-30-89, Cl. 264-320.000.

Smith, Richard W.: *See—*
  Woelfel, James A.; and Smith, Richard W., Re. 32,949, Cl. 425-330.000.

Smith, Wesley H., to International Paper Company. Pouring spout opening configuration for a gable top of a container. Re. 32,891, 3-21-89, Cl. 229-179.000.

Smithson, Richard A., to Rockwell International Corporation. Synchronization system for digital data. Re. 32,945, 6-6-89, Cl. 375-106.000.

Somerville Packaging Corporation: *See—*
  Froom, Thomas W., Re. 33,010, Cl. 229-151.000.

Sonoco Products Company: *See—*
  Cunningham, McCleery B.; and LeHardy, Clement D., Re. 33,060, Cl. 242-118.310.

Southern, John H.: *See—*
  Chamberlin, John M.; Chilvers, Edward W., Jr.; Nunning, Walter J.; and Southern, John H., Re. 33,059, Cl. 57-243.000.

Sparton of Canada, Ltd.: *See—*
  Tadros, Atef R., Re. 33,014, Cl. 367-4.000.

Spaunhorst, Vernon R.: *See—*
  Gurevich, Leon; and Spaunhorst, Vernon R., Re. 33,137, Cl. 337-255.000.

Speno International S.A.: *See—*
  Panetti, Romolo, Re. 32,979, Cl. 51-178.000.

Staffa, Jeffrey A.: *See—*
  Lionelle, Joseph E.; and Staffa, Jeffrey A., Re. 32,909, Cl. 556-131.000.

Stanis, William J.: *See—*
  Silvy, Dorrel R.; and Stanis, William J., Re. 32,937, Cl. 365-234.000.

Staudte, Juergen H., to Piezoelectric Technology Investors, Inc. Vibratory angular rate sensor system. Re. 32,931, 5-30-89, Cl. 73-505.000.

Stauffer, Norman L., to Honeywell, Inc. Digital auto focus. Re. 32,886, 3-14-89, Cl. 250-201.000.

Steiner, Karl: *See—*
  Schiel, Christian; Flamig, Hans; Grossmann, Udo; Mullner, Joseph; and Steiner, Karl, Re. 33,034, Cl. 241-119.000.

Steuer, Werner; and Bergles, Eduard, to Fichtel & Sachs AG. Multi-speed hub for bicycles or the like. Re. 33,058, 9-19-89, Cl. 74-750.00B.

Stjernholm, Rune L. Platinum bound to transferrin for use in the treatment of breast tumors. Re. 33,071, 9-26-89, Cl. 530-394.000.

Stratton, Andrew: *See—*
  Kirby, Ian; Mitchell, Michael; and Stratton, Andrew, Re. 33,004, Cl. 102-200.000.
  Kirby, Ian J.; Mitchell, Michael I.; and Stratton, Andrew, Re. 32,888, Cl. 102-217.000.

Stubblefield, Jerry D., to AVIA Group International, Inc. Shoe sole construction. Re. 33,066, 9-26-89, Cl. 36-83.000.

Stuckler, Gerd. Arrangement for mounting components on a carrier board and method of indicating mounting locations. Re. 32,910, 4-25-89, Cl. 29-407.000.

Suckow, David S., to Caterpillar Inc. Seal for a multipiece wheel assembly. Re. 33,046, 9-5-89, Cl. 152-410.000.

Sugiura, Noboru, to Hitachi, Ltd. Air flow meter circuit with temperature compensation circuit. Re. 33,076, 10-3-89, Cl. 73-204.150.

Sunbeam Plastics Corporation: *See—*
  Wright, David M.; and Luker, Edward, Re. 32,879, Cl. 215-252.000.

Suokas, Elias U.: *See—*
  Kari, Esko T.; Aaltonen, Jarmo; and Suokas, Elias U., Re. 32,875, Cl. 209-167.000.

Survival Technology, Inc.: *See—*
  Sarnoff, Stanley J., Re. 32,919, Cl. 514-2.000.

Sutton Laboratories, Inc.: *See—*
  Berke, Philip A.; and Rosen, William E., Re. 32,848, Cl. 548-311.000.

Suzuki, Akira, to Hitachi, Ltd. Single-stage oilless screw compressor system. Re. 33,116, 11-21-89, Cl. 417-295.000.

Suzuki, Hideo, to Nippon Gakki Seizo Kabushiki Kaisha. Electronic musical instruments. Re. 32,838, 1-24-89, Cl. 84-1.240.

Suzuki, Makoto: *See—*
  Gotoh, Hideo; Fukao, Satoshi; and Suzuki, Makoto, Re. 32,977, Cl. 200-5.00A.

Szycher, Michael; Dempsey, Donald J.; and Rolfe, Jonathan L., to Thermedics, Inc. Drug dispensing wound dressing. Re. 32,991, 7-18-89, Cl. 528-75.000.

Tadros, Atef R., to Sparton of Canada, Ltd. Cable deployment unit. Re. 33,014, 8-8-89, Cl. 367-4.000.

Taguchi, Atsushi; and Ohmiya, Takeo, to Daicel Chemical Industries, Ltd. Sodium carboxymethylcellulose. Re. 32,976, 7-4-89, Cl. 536-98.000.

Takahashi, Akira: *See—*
  Danno, Yoshiaki; Takahashi, Akira; Iida, Kazumasa; Hashimoto, Toru; Okamoto, Yasukuki; and Nakao, Kenzo, Re. 33,027, Cl. 123-339.000.

Takahashi, Kentaro. Continuous delivery apparatus for work material. Re. 32,996, 7-25-89, Cl. 242-55.000.

Takaiti, Osasi: *See—*
  Iwakuma, Takeo; Tsunashima, Akira; Ikezawa, Katsuo; and Takaiti, Osasi, Re. 33,024, Cl. 514-312.000.

Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, to Hitachi, Ltd.; Hitachi Metals, Ltd.; and Research Development Corp. of Japan. Ferromagnetic amorphous alloy. Re. 33,022, 8-15-89, Cl. 148-304.000.

Takeno, Hidekazu: *See—*
  Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Takeuchi, Yukihisa; and Fujita, Tadasha, to NGK Insulators, Ltd. Multi-channel body. Re. 33,013, 8-8-89, Cl. 438-116.000.

Tanabe Seiyaku Co. Ltd.: *See—*
  Iwakuma, Takeo; Tsunashima, Akira; Ikezawa, Katsuo; and Takaiti, Osasi, Re. 33,024, Cl. 514-312.000.

Tanaka, Hirokazu: *See—*
  Kuroda, Yoshio; Iguchi, Eiko; Kohsaka, Masanobu; Aoki, Hatsuo; Imanaka, Hiroshi; Kitaura, Yoshihiko; Nakaguchi, Osamu; Hemmi, Keiji; Aratani, Matsuhiko; Takeno, Hidekazu; Okada, Satoshi; Tanaka, Hirokazu; and Hashimoto, Masashi, Re. 32,992, Cl. 530-331.000.

Taniguchi, Nobuyuki: *See—*
  Nakai, Masaaki; Sahara, Masayoshi; and Taniguchi, Nobuyuki, Re. 33,015, Cl. 354-286.000.

Taniguchi, Yoshio: *See—*
  Maruyama, Eiichi; Ishioka, Sachio; Imamura, Yoshinori; Matsubara, Hirokazu; Shimomoto, Yasuharu; Horigome, Shinkichi; and Taniguchi, Yoshio, Re. 33,094, Cl. 430-57.000.

Taniyama, Minoru: *See—*
  Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, Re. 33,129, Cl. 415-90.000.

Tarala, Frederick E., to North American Filter Corporation. Fluid filter. Re. 32,851, 1-31-89, Cl. 210-455.000.

Taylor, Peter C. Rock climbing adjustable chock. Re. 33,104, 10-31-89, Cl. 248-231.200.

Taylor, Robert L.; Sink, Danny R.; and Cudzik, Daniel F., to Reynolds Metals Company. Resealable container closure. Re. 32,927, 5-23-89, Cl. 220-306.000.

Tech/Ops Landauer, Inc.: *See—*
  Alter, H. Ward; and Oswald, Richard A., Re. 33,065, Cl. 250-253.000.

Technion, Inc.: *See—*
  Cann, Gordon L., Re. 32,918, Cl. 60-203.100.

Teleflex Incorporated: *See—*
  McBeth, James B., Re. 33,043, Cl. 60-327.000.

Terajima, Makoto: *See—*
  Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, Re. 33,129, Cl. 415-90.000.

Testrite, Inc.: *See—*
  Holm, Albert E.; and Holm, Grant A., Re. 33,075, Cl. 73-40.000.

Thermedics, Inc.: *See—*
  Szycher, Michael; Dempsey, Donald J.; and Rolfe, Jonathan L., Re. 32,991, Cl. 528-75.000.

Thierbach, Mark E.: *See—*
  Blahut, Donald E.; Harrison, Marc L.; and Thierbach, Mark E., Re. 32,858, Cl. 364-716.000.

Tomisawa, Osamu: *See—*
  Anami, Kenji; Yoshimoto, Masahiko; Shinohara, Hirofumi; and Tomisawa, Osamu, Re. 32,993, Cl. 365-230.030.

Toray Silicone Co., Ltd.: *See—*
  Koshii, Taro; Morita, Yoshitsugu; Shinmi, Hideo; and Hanada, Tsuneo, Re. 32,958, Cl. 525-476.000.

Toro Company, The: *See—*
  Lamusga, Gary R., Re. 32,954, Cl. 56-202.000.

Trager, Seymour F.; and Chylinski, Victoria S. Injectionable viscoelastic ophthalmic gel. Re. 32,969, 6-27-89, Cl. 424-81.000.

- Truth Incorporated: *See—*
  - Sandberg, Christopher T.; and Paulson, Gary F., Re. 32,846, Cl. 16-381.000.
- Tsukuda, Yasuo: *See—*
  - Takayama, Shinji; Tsukuda, Yasuo; Shiiki, Kazuo; Otomo, Shigekazu; Kudo, Mitsuhiro; Ogata, Yasunobu; and Sawada, Yoshizo, Re. 33,022, Cl. 148-304.000.
- Tsunashima, Akira: *See—*
  - Iwakuma, Takeo; Tsunashima, Akira; Ikezawa, Katsuo; and Takaiti, Osasi, Re. 33,024, Cl. 514-312.000.
- Tsunoda, Nagatoshi: *See—*
  - Hirano, Mutsuo; and Tsunoda, Nagatoshi, Re. 32,980, Cl. 84-1.030.
- Tsutsumi, Yoshitsugu: *See—*
  - Mase, Mashiro; Nagaoka, Takashi; Tsutsumi, Yoshitsugu; Taniyama, Minoru; and Terajima, Makoto, Re. 33,129, Cl. 415-90.000.
- Tudek, Arthur L. Level with electronic signals. Re. 32,962, 6-27-89, Cl. 33-366.000.
- Tuggle, Lloyd H.; Baker, Michael; and Franke, Jeffrey S., to White Consolidated Industries, Inc. Hand held gas engine blower. Re. 33,050, 9-12-89, Cl. 15-330.000.
- Uchimoto, Iwahiro: *See—*
  - Nakamura, Masato; Nomura, Yoshika; and Uchimoto, Iwahiro, Re. 32,943, Cl. 162-76.000.
- Ueda, Syuzo: *See—*
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- Vossen, Franz, to Meurer Nonfood Product GmbH. Sheet processing apparatus. Re. 32,817, 1-3-89, Cl. 493-1.000.
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- Wagner, Wolfgang, to U.S. Philips Corporation. Device for measuring local radiation absorption in a body. Re. 32,961, 6-20-89, Cl. 378-4.000.
- Wakabayashi, Manabu; Minami, Kihachiro; Sanpei, Tohru; and Konno, Kazutoshi, to Hitachi, Ltd. Disc cassette (disc cartridge). Re. 32,876, 2-21-89, Cl. 360-133.000.
- Walters, John P., to Wisconsin Alumni Research Foundation. Adjustable waveform spark source. Re. 32,911, 4-25-89, Cl. 356-313.000.
- Wambaugh, John O.: *See—*
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- Wang, Samuel S.: *See—*
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  - Binsack, Rudolf; Wank, Joachim; and Reese, Eckart, Re. 33,032, Cl. 524-165.000.
- Wanner, William F., Jr., trustee. *See—*
  - Wanner, William F., Sr., deceased; and Wanner, William F., Jr., trustee, Re. 33,135, Cl. 417-377.000.
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- Wasco Products, Inc.: *See—*
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- Waugh. Robert E., to D. L. Auld Company, The. Trim strip for automobile bodies. Re. 32,819, 1-3-89, Cl. 428-31.000.
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- Wei, David T.; and Louderback, Anthony W., to Litton Systems, Inc. Method for fabricating multi-layer optical films. Re. 32,849, 1-31-89, Cl. 204-192.270.
- Wei, George C., to Martin Marietta Energy Systems, Inc. Silicon carbide whisker reinforced ceramic composites and method for making same. Re. 32,843, 1-24-89, Cl. 501-95.000.
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- Whiteside, Ross C., Jr.; Gist, Adolphus V.; and Doorakian, George A., to Dow Chemical Company, The. Process for preparing epoxy resins having improved physical properties when cured using quaternary phosphonium catalysts. Re. 32,951, 6-13-89, Cl. 528-89.000.
- Wigoda, Luis L. Arbitration of tennis by change of colors. Re. 32,842, 1-24-89, Cl. 273-31.000.
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- Wimbush, Maurice J., to Automotive Products plc. Clutch release mechanism. Re. 33,127, 12-12-89, Cl. 192-91.00A.
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- Woelfel, James A.; and Smith, Richard W., to Motor Wheel Corporation. Mold for forming a fiber reinforced composite wheel construction. Re. 32,949, 6-13-89, Cl. 425-330.000.
- Wood, Prentice J.; and Doerr, Erwin, to Mead Corporation, The. Carrying handle for a can carton. Re. 33,110, 11-14-89, Cl. 229-117.130.
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- Akahane, Kenji: *See—*
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- Akutsu, Susumu; Isaka, Tsutomu; and Ishioka, Mitsugu, to Mitsubishi Petrochemical Co., Ltd. Process for producing electric conductors coated with crosslinked polyethylene resin. B1 4,297,310, 7-11-89, Cl. 264-83.000.
- Allen, Paul E.: *See—*
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- American Home Products Corporation: *See—*
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- Angio-Medical Corporation: *See—*
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- Argon Medical Corp.: *See—*
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- Artz, Steven P., to Du Pont de Nemours, E. I., and Company. Herbicidal sulfonamides. B1 4,678,498, 1-24-89, Cl. 71-87.000.
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- Atkin, John; and Loustau, Marie-Therese, to Societe Anonyme Dite: SAFT. Method of manufacturing an electrode for an electrochemical cell, and an electrode manufactured by the method. B1 4,514,473, 1-24-89, Cl. 429-221.000.
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- Balazs, Endre A., to Biotrics, Inc. Ultrapure hyaluronic acid and the use thereof. B1 4,141,973, 8-8-89, Cl. 514-54.000.
- Banta, Maynard A., to Minnesota Mining and Manufacturing Company. Apparatus and method for masking surfaces. B1 4,263,347, 8-1-89, Cl. 427-282.000.
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- Barker, Clark R., to University of Missouri, The Curators of the. High pressure fluid jet cutting and drilling apparatus. B1 4,369,850, 6-6-89, Cl. 175-393.000.
- Barnes Engineering Company: *See—*
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- Barnes, Michael W., to Morton Thiokol Inc. *Processes for preparing* 2-hydroxymethyl-1,3-propanediol nitrate ester *derivatives*. B1 4,394,329, 9-26-89, Cl. 558-484.000.
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- Becht, Carl T., to Ethicon, Inc. Surgical stapling instrument. B1 4,109,844, 8-15-89, Cl. 227-120.000.
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- Blackwell, John, to Mobay Chemical Corporation. Green-yellow to orange mandazo paper dyes. B1 4,071,312, 2-14-89, Cl. 534-728.000.
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- Blum, Josef, to RMC, Inc. Cryogenic ultramicrotome apparatus. B1 3,680,420, 7-11-89, Cl. 83-167.000.
- Bogan, Richard T.; and Kuo, Chung-Ming, to Eastman Kodak Company. Carboxylated cellulose ester and manufacture thereof. B1 4,590,265, 8-15-89, Cl. 536-63.000.
- Bonner, William F.: *See—*
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- Boudreau, James C.; and White, Thomas D., to University of Texas. Dog food flavors. B1 4,267,195, 6-6-89, Cl. 426-2.000.
- Boyd, Douglas P., to Leland Stanford, Jr. University, The Board of Trustees of. Position sensitive X-ray or γ-ray detector and 3-D tomography using same. B1 4,075,491, 1-10-89, Cl. 378-19.000.
- Bradley, David J., to International Business Machines Corp. Apparatus and method for reading and writing text characters in a graphics display. B1 1,032,201, 8-1-89, Cl. 340-747.000.
- Breckner, Raymond A. Apparatus and method for handling solids in liquid. B1 4,517,099, 1-10-89, Cl. 210-741.000.
- Brouns, Richard A.; Buelt, James L.; and Bonner, William F., to United States of America, Energy. In-situ vitrification of soil. B1 4,376,598, 10-17-89, Cl. 405-258.000.
- Buell, Kenneth B., to Procter & Gamble Co., The. Contractable side portions for disposable diaper. B1 3,860,003, 4-18-89, Cl. 604-385.200.
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- Buelt, James L.: *See—*
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- Burkner, Wolfgang, to Carl Schenck AG. Method and apparatus for producing and transporting single and multilayer chipboards. B1 1,030,759, 4-18-89, Cl. 264-118.000.
- Burnes, Edward E.; and Bhatia, Kishan, to NL Industries, Inc. Process of removing hydrogen sulfide from gas mixtures. B1 4,515,759, 12-12-89, Cl. 423-220.000.
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Cavil, David T., to Outboard Marine Corporation. Pulse generator. B1 3,646,377, 7-11-89, Cl. 310-168.000.

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Dabritz, Karl: *See—*
- Jacobs, John D.; and Dabritz, Karl, B1 4,733,919, Cl. 303-28.000.

Daikuzono, Norio, to Surgical Laser Technologies Ohio, Inc. Medical and surgical laser probe. B1 4,592,353, 4-18-89, Cl. 128-303.100.

Darwood, James R., to Fortel, Inc. Telephone answering system with ring detector. B1 3,979,560, 5-30-89, Cl. 379-82.000.

Deis, Jerome E.: *See—*
- Bell, Frederick K.; Deis, Jerome E.; and Allen, Paul E., B1 4,136,458, Cl. 374-561.000.

Dentsply Research & Development Corp.: *See—*
- Blair, John J.; and Shue, Roger C., B1 4,650,418, Cl. 433-203.100.
- Dougherty, Emery W.; and Welsh, Richard E., B1 4,330,280, Cl. 433-90.000.

de Ruiter, Ernest: *See—*
- Blucher, Hubert; von Blucher, Hasso; and de Ruiter, Ernest, B1 4,510,193, Cl. 428-196.000.

Dial-A-Channel, Inc.: *See—*
- Doumit, Joseph A.; and Weiblen, Robert E., B1 4,203,130, Cl. 358-1.000.

Dienes, Zoltan B.; and Mineur, Thomas L., to Thomas & Betts Corporation. Method of sealing pressurized electrical cable while under pressure. B1 4,545,830, 8-1-89, Cl. 156-48.000.

Digital Equipment Corporation: *See—*
- Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., B1 4,449,182, Cl. 364-200.000.

Doherty, John A.; Ward, Billy W.; and Shaver, David C., to Micrion Limited Partnership. Focused ion beam processing. B1 4,639,301, 6-27-89, Cl. 250-251.000.

Dorr, Irene M. Barrette with swiveled hinge. B1 3,998,233, 1-24-89, Cl. 132-48.00A.

Douchy, Michel; Tranchant, Jean-Louis; and Jehan, Michel, to Vallourec. Manufacture of a composite tubular product. B1 4,364,770, 5-30-89, Cl. 75-53.000.

Dougherty, Emery W.; and Welsh, Richard E., to Dentsply Research Development Corp. Ejector holder for capsule-like cartridge. B1 4,330,280, 12-5-89, Cl. 433-90.000.

Doumit, Joseph A.; and Weiblen, Robert E., to Dial-A-Channel, Inc. Information displaying system. B1 4,203,130, 11-14-89, Cl. 358-1.000.

Draai, Willem T.: *See—*
- van Cooten, Robertus; Simons, Dick; Witteveen, Bontko; Draai, Willem T.; van Striphout, Johannes G. V.; and Huijben, Martinus J., B1 4,704,621, Cl. 346-153.100.

Duh, Ben, to Goodyear Tire and Rubber Company, The. Method for production of a high molecular weight polyester prepared from a prepolymer polyester having an optimal carboxyl content. B1 4,238,593, 9-26-89, Cl. 528-272.000.

Du Pont de Nemours, E. I., and Company: *See—*
- Artz, Steven P., B1 4,678,498, Cl. 71-87.000.
- Levitt, George, B1 4,659,369, Cl. 71-92.000.

Dynamic Air Inc.: *See—*
- Steele, James R., B1 3,913,891, Cl. 366-192.000.

Easco Hand Tools, Inc.: *See—*
- Trimble, Lester B.; and Sopinski, Zygmunt J., B1 3,783,703, Cl 74-157.000.

Eastman Kodak Company: *See—*
- Bogan, Richard T.; and Kuo, Chung-Ming, B1 4,590,265, Cl. 536-63.000.
- Gustafson, Gary B., B1 4,140,387, Cl. 355-14.0SH.
- Jenkins, Waylon L.; Hawkins, James M.; and Sand, Daniel, B1 4,605,721, Cl. 527-312.000.

Eaton Corporation: *See—*
- King, Monroe L., B1 4,514,636, Cl. 250-443.100.

Eckman, Harold J., to Cadet Manufacturing Co. Housing for wall mounted heating unit. B1 4,714,194, 7-11-89, Cl. 237-70.000.

Economics Laboratory, Inc.: *See—*
- Wang, Yueh, B1 4,404,040, Cl. 134-22.140.

Edge, David J.; Naik, Appaya R.; and Scott, Melvin, to Lever Brothers Company. Liquid detergent composition comprising selected alkylbenzene sulphonates and alkyl ether sulphates. B1 4,537,709, 9-26-89, Cl. 252-558.000.

Edmonds, James T., Jr., to Phillips Petroleum Company. Preparation of block copolymers. B1 3,970,719, 4-25-89, Cl. 525-247.000.

Eguchi, Syusaku: *See—*
- Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto, Seiji; and Kato, Hisatoyo, B1 4,236,078, Cl. 250-363.00R.

Eichman, Ellis V. Frame structure for glass or solid panel walls. B1 3,575,939, 5-23-89, Cl. 52-397.000.

Elpatronic AG: *See—*
- Opprecht, Paul, B1 3,842,235, Cl. 219-83.000.

Erikson, Magnus, to ITT Industries, Inc. Impeller. B1 4,575,312, 5-16-89, Cl. 416-179.000.

Ethicon, Inc.: *See—*
- Becht, Carl T., B1 4,109,844, Cl. 227-120.000.

Evans, James: *See—*
- Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, B1 4,710,490, Cl. 514-25.000.

Eventoff, Franklin N. Electronic pressure sensitive transducer apparatus. B1 4,314,227, 1-24-89, Cl. 338-99.000.

Excello Specialty Company, The: *See—*
- Isaksen, Robert A.; Frappier, David E.; and Jones, Wallace R. B1 4,588,627, Cl. 428-80.000.

Farnhill, William M.: *See—*
- Parker, Alan; and Farnhill, William M., B1 4,522,022, Cl. 57-401.000.

Farrel Corporation: *See—*
- Meeker, Gregory W.; and Bleck, Norris E., B1 4,557,683, Cl. 425-147.000.

Feinwerkhau Helfer & Co. KG: *See—*
- Hornung, Ewald, B1 4,287,923, Cl. 81-429.000.

Ferraro, Frank A., to Warner-Lambert Company. Blade assembly featuring variable span. B1 4,709,477, 12-5-89, Cl. 30-50.000.

Figgie International, Inc.: *See—*
- Young, Jorge A.; and Khandwala, Bhupendra J., B1 4,538,056, Cl. 235-377.000.

Fogt, Kenneth E.; Slosser, James D.; Varos, John A.; and Radhakrishnan, Gopinath, to Pioneer Industrial Products Company. Protective apparel material and method for producing same. B1 4,526,828, 4-4-89, Cl. 428-229.000.

Ford Motor Company: *See—*
- Johnson, Robert C.; Perry, David L.; and Peitsch, Bernd E. B1 4,634,971, Cl. 324-133.000.
- Mikola, James A., B1 4,513,356, Cl. 362-226.000.

Forsberg, John W.: *See—*
- Rysek, Joseph J.; and Forsberg, John W., B1 4,468,339, Cl. 252-75.000.

Fortel, Inc.: *See—*
- Darwood, James R., B1 3,979,560, Cl. 379-82.000.

Fory, Werner; Gass, Karl; and Meyer, Willy, to Ciba-Geigy Corporation. Novel sulfonylureas. B1 4,579,583, 2-14-89, Cl. 71-92.000.

Fox, Clarence D., to Borg-Warner Corporation. Proportional solenoid valve. B1 4,715,396, 2-21-89, Cl. 137-82.000.

Frappier, David E.: *See—*
- Isaksen, Robert A.; Frappier, David E.; and Jones, Wallace R., B1 4,588,627, Cl. 428-80.000.

Fuji Kagakushi Kogyo Co., Ltd.: *See—*
- Seto, Tadao; and Shimazaki, Yoshikazu, B1 4,503,095, Cl. 427-265.000.

Fuji Photo Film Co., Ltd.: *See—*
- Arai, Naoki; and Ohi, Reiichi, B1 3,954,478, Cl. 430-550.000.
- Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto, Seiji; and Kato, Hisatoyo, B1 4,236,078, Cl. 250-363.00R.
- Mukai, Kazuo; Honjoh, Akira; and Nakata, Shuji, B1 4,656,790, Cl. 51-141.000.

Fujita, Hisanori: *See—*
- Hasegawa, Shinichi; and Fujita, Hisanori, B1 4,252,576, Cl. 148-33.400.

Furmanite International Limited: *See—*
- Trevisan, Ottavio, B1 4,428,223, Cl. 73-4.00R.

Gale, Robert M.; Goetz, Victor; Lee, Eun S.; Taskovich, Lina T.; and Yum, Su I., to Alza Corporation. Transdermal administration of fentanyl and device therefor. B1 4,588,580, 1-3-89, Cl. 424-21.000.

Gardner, Edward A.: *See—*
- Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., B1 4,449,182, Cl. 364-200.000

Gass, Karl: *See—*
- Fory, Werner; Gass, Karl; and Meyer, Willy, B1 4,579,583, Cl. 71-92.000.

General Electric Company: *See—*
- Roemer, Peter B.; and Hickey, John S., B1 4,737,716, Cl. 324-319.000.

General Tire, Inc.: *See—*
- Loesch, Richard W., B1 4,749,017, Cl. 152-527.000.

Giglia, Robert D.; and Battistelli, Edward A., to American Cyanamid Co. Non-woven activated carbon fabric. B1 4,565,727, 1-24-89, Cl. 428-172.000.

Goetz, Frederick J.: *See—*
- Tang, David Y.; Cotter, Byron R.; and Goetz, Frederick J., B1 4,470,930, Cl. 558-425.000.

Goetz, Victor: *See—*
- Gale, Robert M.; Goetz, Victor; Lee, Eun S.; Taskovich, Lina T.; and Yum, Su I., B1 4,588,580, Cl. 424-21.000.

Goodyear Tire and Rubber Company, The: *See—*
- Duh, Ben, B1 4,238,593, Cl. 528-272.000.

Grace, William A.: *See—*
- Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., B1 4,449,182, Cl. 364-200.000.

Grain Systems, Inc.: *See—*
- Trumper, Mark A., B1 1,031,368, Cl. 52-303.000.

Grant, Louis A.; and Trunzo, Arthur F., to Standard Steel Sponge. Drapable consumable heat retention shield for hot metal cars. B1 4,424,956, 11-14-89, Cl. 266-248.000.

Green, Philip S.; Saraf, Dilip G., and Havlice, James F., to SRI International. Ultrasonic imaging method and apparatus with electronic beam focusing and scanning. B1 4,305,296, 5-9-89, Cl. 73-626.000.

Griebeler, Elmer L., to Cleveland Machine Controls, Inc. Multi apertured lens shock wave probe. B1 4,459,526, 7-11-89, Cl. 318-576.000.

Griswold, Azel A., to Reeves Brothers, Inc. Process for rapid curing of polyether polyurethane foam. B1 4,537,912, 1-3-89, Cl. 521-53.000.

Grizzle, Glen; Tyler, Stephen L.; and Walto, Joseph J., to Toro Company, The. Adjustable arc sprinkler head. B1 4,634,052, 12-5-89, Cl. 239-205.000.

Grove, William S., to PPG Industries, Inc. Substituted diphenyl ethers having herbicidal activity. B1 4,311,515, 6-6-89, Cl. 71-108.000.

Gruner, Heiko, to Plasmainvent AG. Vacuum plasma coating apparatus. B1 4,596,718, 10-17-89, Cl. 427-34.000.

GTE Products Corporation: *See—*
- Ojanen, Randall W., B1 4,497,520, Cl. 299-86.000.

Gupta, Amitave: *See—*
- McKoy, Vincent; and Gupta, Amitave. B1 4,622,174, Cl. 252-582.000.

Gustafson, Gary B., to Eastman Kodak Company. Apparatus for producing collated copies from two sided originals. B1 4,140,387, 1-3-89, Cl. 355-14.0SH.

Hamill, Thomas E., to Coulter Electronics, Inc. Reagent and method for determining leukocytes and hemoglobin in the blood. B1 3,874,852, 7-11-89, Cl. 436-10.000.

Hanzawa, Kohtaro; Morikawa, Shigenori; Morokuma, Hiroshi; and Sasaki, Hiroyuki, to Casio Computer Co., Ltd. Electronic musical instrument with waveform memory for storing waveform data based on external sound. B1 4,667,556, 1-24-89, Cl. 84-1.010.

Harsanyi, Eugen, to Helwig, Emmy. Cordless electric iron and current-supplying means therefor. B1 3,760,149, 2-21-89, Cl. 219-247.000.

Hartwell, Gary, to University of Virginia Alumni Patents Foundation, The. Fluoroscopic filtering. B1 4,499,591, 12-12-89, Cl. 378-62.000.

Harwood, Jon, to AP Industries, Inc. Stamp formed muffler. B1 4,736,817, 4-25-89, Cl. 181-282.000.

Hasegawa, Shinichi; and Fujita, Hisanori, to Mitsubishi Monsanto Chemical Co. Epitaxial wafer for use in production of light emitting diode. B1 4,252,576, 1-3-89, Cl. 148-33.400.

Havlice, James F.: *See—*
- Green, Philip S.; Saraf, Dilip G.; and Havlice, James F., B1 4,305,296, Cl. 73-626.000.

Hawkins, James M.: *See—*
- Jenkins, Waylon L.; Hawkins, James M.; and Sand, Daniel, B1 4,605,721, Cl. 527-312.000.

Hayano, Fusakazu: *See—*
- Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,628,072, Cl. 525-57.000.
- Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,657,970, Cl. 525-57.000.
- Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,657,971, Cl. 525-57.000.

Heckelsberg, Robert E., to AMCA International Corporation. Panel mounting clip. B1 4,193,247, 6-20-89, Cl. 52-713.000.

Heescheler, James D.: *See—*
- Cleare, Michael J.; Heescheler, James D.; Rosenberg, Barnett; and Van Camp, Loretta L., B1 4,140,707, Cl. 556-137.000.

Helwig, Emmy: *See—*
- Harsanyi, Eugen, B1 3,760,149, Cl. 219-247.000.

Herion, Dieter: *See—*
- Martin, Wolfgang; Herion, Dieter; Bayew, Dimiter; and Bauer, Wolfgang, B1 4,096,226, Cl. 264-168.000.

Hickey, John S.: *See—*
- Roemer, Peter B.; and Hickey, John S., B1 4,737,716, Cl. 324-319.000

Hierath, Leonard L.: *See—*
- Andrews, James S.; and Hierath, Leonard L., B1 4,394,956, Cl. 231-7.000.

Higgins, William E.; and Lazzara, Richard C., to Advanced Technology & Research, Inc. Method of joining honeycomb panels using a fastener element. B1 4,370,372, 1-31-89, Cl. 428-116.000.

Hirabayashi, Yoichi: *See—*
- Suzki, Akiyoshi; and Hirabayashi, Yoichi, B1 4,199,219, Cl. 350-6.100.

Hirotsu, Dennis O.; and Robertson, Anthony J., to Procter & Gamble Company, The. Absorbent article. B1 4,662,875, 4-18-89, Cl. 604-389.000.

Hollingsworth (U.K.) Limited: *See—*
- Parker, Alan; and Farnhill, William M., B1 4,522,022, Cl. 57-401.000.

Honjoh, Akira: *See—*
- Mukai, Kazuo; Honjoh, Akira; and Nakata, Shuji, B1 4,656,790, Cl. 51-141.000.

Hornung, Ewald, to Feinwerkhau Helfer & Co. KG. Screwing heads. B1 4,287,923, 4-25-89, Cl. 81-429.000.

Howard, Harland V., III, to Panama Breakaway, Inc. Spearpoint assembly. B1 4,624,068, 1-3-89, Cl. 43-6.000.

Howes, Randolph M., to Kinchen, Janice, a part interest. Venous catheter device. B1 1,031,873, 9-26-89, Cl. 128-674.000.

Huijben, Martinus J.: *See—*
- van Cooten, Robertus; Simons, Dick; Witteveen, Bontko; Draai, Willem T.; van Striphout, Johannes G. V.; and Huijben, Martinus J., B1 4,704,621, Cl. 346-153.100.

Hull, Charles W., to UVP, Inc. Apparatus for production of three-dimensional objects by stereolithography. B1 4,575,330, 12-19-89, Cl. 425-174.400.

Hummel, John E.; and Baab, William E., to Linear Film, Inc. Method of making flat bottom plastic bag. B1 4,526,565, 2-14-89, Cl. 493-196.000.

Hutchinson, Seymour M., to Kinetic Instruments, Inc. Dental handpiece. B1 3,634,938, 5-30-89, Cl. 433-29.000.

HWP Group, Inc.: *See—*
- Jacobs, John D.; and Dabritz, Karl, B1 4,733,919, Cl. 303-28.000.

Hyman, David L.; Cayton, Robert J.; and Rosenquist, Kurt E., to Loverdrape, Inc. Louvered covering system. B1 4,049,038, 9-12-89, Cl. 160-166.100.

Hyway Concrete Pipe Company, Inc.: *See—*
- Niswander, Robert L.; and Cornwell, Tomy W., B1 4,564,313, Cl. 405-125.000.

Ichinomiya, Yoshiaki: *See—*
- Takenouchi, Tomoo; Ichinomiya, Yoshiaki; and Iwanami, Yoshiyuki, B1 4,617,052, Cl. 420-129.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Histidine derivitives. B1 4,656,269, 8-29-89, Cl. 544-139.000.

Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, to Kissei Pharmaceutical Co., Ltd. Morpholine containing amino acid derivatives. B1 4,711,958, 8-29-89, Cl. 544-139.000.

Industrias Vassallo, Inc.: *See—*
- Vassallo, Efrain D., B1 4,343,480, Cl. 277-207.00A.

Interkal, Inc.: *See—*
- McClelland, Robert G.; and Raymond, David W., B1 1,029,635, Cl 52-9.000.

International Business Machines Corp.: *See—*
- Bradley, David J., B1 1,032,201, Cl. 340-747.000.

International Telephone and Telegraph Corporation: *See—*
- Sodini, Gregory L., B1 4,480,214, Cl. 315-290.000.

Irlinger, Frank S.: *See—*
- Vago, Otto Z.; and Irlinger, Frank S., B1 4,250,759, Cl. 73-273.000.

Isaka, Tsutomu: *See—*
- Akutsu, Susumu; Isaka, Tsutomu; and Ishioka, Mitsugu, B1 4,297,310, Cl. 264-83.000.

Isaksen, Robert A.; Frappier, David E.; and Jones, Wallace R., to Excello Specialty Company, The. Deflector for vehicle body components. B1 4,588,627, 10-24-89, Cl. 428-80.000.

Ishioka, Mitsugu: *See—*
- Akutsu, Susumu; Isaka, Tsutomu; and Ishioka, Mitsugu, B1 4,297,310, Cl. 264-83.000.

- Ito, Tadahiko: *See—*
  - Nakamura, Hirokazu; Kinoshita, Mitsutaka; Ito, Tadahiko; and Kawata, Kazumasa, B1 3,995,610. Cl. 123-192.00B.
- ITT Industries, Inc.: *See—*
  - Erikson, Magnus, B1 4,575,312, Cl. 416-179.000.
- Iwamoto, Toshiyuki: *See—*
  - Watanabe, Keisuke; and Iwamoto, Toshiyuki, B1 4,653,378, Cl. 84-423.00R.
- Iwanami, Yoshiyuki: *See—*
  - Takenouchi, Tomoo; Ichinomiya, Yoshiaki; and Iwanami, Yoshiyuki, B1 4,617,052, Cl. 420-129.000.
- Jacobs, John D.; and Dabritz, Karl, to HWP Group, Inc. Integrated pressure exhaust valve and fluid coupling. B1 4,733,919, 6-27-89, Cl. 303-28.000.
- Jehan, Michel: *See—*
  - Douchy, Michel; Tranchant, Jean-Louis; and Jehan, Michel, B1 4,364,770. Cl. 75-53.000.
- Jenkins, Walter N., to National Research Development Corporation. Method of distributing liquid onto a substrate. B1 4,647,471, 4-18-89, Cl. 427-37.000.
- Jenkins, Waylon L.; Hawkins, James M.; and Sand, Daniel, to Eastman Kodak Company. Novel graft copolymers and process for the preparation thereof. B1 4,605,721, 8-15-89, Cl. 527-312.000.
- Jennmar Corporation: *See—*
  - Calandra, Frank, Jr., B1 4,516,885, Cl. 40[illegible]-261.000.
  - Calandra, Frank, Jr., B1 4,518,292, Cl. 411-82.000.
- Johnson, Lennart B., to Teradyne, Inc. Electrical connection apparatus. B1 1,029,513, 4-4-89, Cl. 439-485.000.
- Johnson, Robert C.; Perry, David L.; and Peitsch, Bernd E., to Ford Motor Company. Portable hand-held voltage sensor with manually adjustable reference voltage for comparison with sensed voltage. B1 4,634,971, 1-24-89, Cl. 324-133.000.
- Jones, Wallace R.: *See—*
  - Isaksen, Robert A.; Frappier, David E.; and Jones, Wallace R., B1 4,588,627, Cl. 428-80.000.
- Kaae, Svend S.: *See—*
  - Madsen, Jens; and Kaae, Svend S., B1 4,658,985, Cl. 222-1.000.
- Kamijo, Tetsuhide: *See—*
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,656,269, Cl. 544-139.000.
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,711,958, Cl. 544-139.000.
- Kasday, Leonard R., to AT&T Bell Laboratories. Touch position sensitive surface. B1 4,484,179, 3-28-89, Cl. 340-365.00P.
- Kato, Hisatoyo: *See—*
  - Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto Seiji; and Kato, Hisatoyo, B1 4,236,078, Cl. 250-363.00R.
- Kawata, Kazumasa: *See—*
  - Nakamura, Hirokazu; Kinoshita, Mitsutaka; Ito, Tadahiko; and Kawata, Kazumasa, B1 3,995,610, Cl. 123-192.00B.
- Keck, Dale R.: *See—*
  - Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., B1 4,449,182, Cl. 364-200.000.
- Khandwala, Bhupendra J.: *See—*
  - Young, Jorge A.; and Khandwala, Bhupendra J., B1 4,538,056, Cl. 235-377.000.
- Kinchen, Janice: *See—*
  - Howes, Randolph M., B1 1,031,873, Cl. 128-674.000.
- Kinetic Instruments, Inc.: *See—*
  - Hutchinson, Seymour M., B1 3,634,938, Cl. 433-29.000.
- King, Monroe L., to Eaton Corporation. Ion treatment apparatus. B1 4,514,636, 11-14-89, Cl. 250-443.100.
- Kinoshita, Mitsutaka: *See—*
  - Nakamura, Hirokazu; Kinoshita, Mitsutaka; Ito, Tadahiko; and Kawata, Kazumasa, B1 3,995,610, Cl. 123-192.00B.
- Kiso, Yoshiaki: *See—*
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,656,269, Cl. 544-139.000.
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,711,958, Cl. 544-139.000.
- Kissei Pharmaceutical Co., Ltd.: *See—*
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,656,269, Cl. 544-139.000.
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,711,958, Cl. 544-139.000.
- Kitagawa, Yosuke: *See—*
  - Shimizu, Goro; and Kitagawa, Yosuke, B1 4,560,604, Cl. 428-87.000.
- Klinefelter, Glenn B. Moisture responsive switch actuator. B1 3,808,385, 1-3-89, Cl. 200-61.040.
- Koboshi, Shigeharu: *See—*
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, B1 4,537,856, Cl. 430-372.000.
- Koch, Robert P.: *See—*
  - Billmayer, Charles E.; and Koch, Robert P., B1 4,668,196, Cl. 440-26.000.
- Koenig, Larry E. Pallet auger. B1 4,253,615, 8-15-89, Cl. 241-36.000.
- Konishiroku Photo Industry Co., Ltd.: *See—*
  - Kurematsu, Masayuki; and Koboshi, Shigeharu, B1 4,537,856, Cl. 430-372.000.
- Kono, Tetsujiro, to Sony Corporation. Method and apparatus for transmitting compression video data and decoding the same for reconstructing an image from the received data. B1 4,772,947, 5-30-89, Cl. 358-135.000.
- Kos, Steven; and Baraff, David R., to Bell-Northern Research Ltd. Direct imaging apparatus for an electronic document transmitter utilizing a linear array of photo-detectors. B1 4,149,197, 12-19-89, Cl. 358-471.000.
- Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto, Seiji; and Kato, Hisatoyo, to Fuji Photo Film Co., Ltd. Method and apparatus for recording and reproducing a radiation image. B1 4,236,078, 1-3-89, Cl. 250-363.00R.
- Krakauer, Merrill. All-purpose merchandiser. B1 4,317,604, 6-6-89, Cl. 312-97.100.
- Krause, Lawrence R.: *See—*
  - Newell, Bruce D.; Petronis, Thomas J.; and Krause, Lawrence R., B1 4,664,588, Cl. 414-730.000.
- Kubik, Inc.: *See—*
  - Kubik, Philip A., B1 3,713,291, Cl. 60-444.000.
- Kubik, Philip A., to Kubik, Inc. Multiple pressure fluid system. B1 3,713,291, 7-4-89, Cl. 60-444.000.
- Kubota, Tetsuhiro: *See—*
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,656,269, Cl. 544-139.000.
  - Iizuka, Kinji; Kamijo, Tetsuhide; Kubota, Tetsuhiro; Akahane, Kenji; Umeyama, Hideaki; and Kiso, Yoshiaki, B1 4,711,958, Cl. 544-139.000.
- Kugele, Thomas G., to Morton Thiokol Inc. Sulfide containing stabilizers. B1 4,062,881, 12-26-89, Cl. 260-399.000.
- Kuo, Chung-Ming: *See—*
  - Bogan, Richard T.; and Kuo, Chung-Ming, B1 4,590,265, Cl. 536-63.000.
- Kurematsu, Masayuki; and Koboshi, Shigeharu, to Konishiroku Photo Industry Co., Ltd. Method of processing silver halide color photographic materials. B1 4,537,856, 5-30-89, Cl. 430-372.000.
- Kurtz, Leonard D., to University of Virginia Alumni Patents Foundation, The. Method of cleansing contaminated wounds *using compositions containing ethylene oxide/propylene oxide block copolymers* B1 1,029,909, 3-21-89, Cl. 252-174.210.
- L. Schuler GmbH: *See—*
  - Panknin, Walter; Ruhl, Rolf; and Nockher, Gerhard, B1 4,568,812, Cl. 219-64.000.
- Larive, Rene; and Walker, Osman J., to Consolidated-Bathurst Inc. Nip control method and apparatus. B1 4,384,514, 8-1-89, Cl. 100-38.000.
- Lary, Richard F.: *See—*
  - Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., B1 4,449,182, Cl. 364-200.000.
- Lazzara, Richard C.: *See—*
  - Higgins, William F.; and Lazzara, Richard C., B1 4,370,372, Cl. 428-116.000.
- Lee, Eun S.: *See—*
  - Gale, Robert M.; Goetz, Victor; Lee, Eun S.; Taskovich, Lina T.; and Yum, Su I., B1 4,588,580, Cl. 424-21.000.
- Leenhouts, Albert C., to Superior Electric Company, The. Digitally determined velocity control method and means for a digital motor system. B1 3,908,195, 5-30-89, Cl. 364-300.000.
- Leisure Life Limited: *See—*
  - Billmayer, Charles E.; and Koch, Robert P., B1 4,668,196, Cl. 440-26.000.
- Leland Stanford, Jr. University, The Board of Trustees of: *See—*
  - Boyd, Douglas P., B1 4,075,491, Cl. 378-19.000.
- Lever Brothers Company: *See—*
  - Edge, David J.; Naik, Appaya R.; and Scott, Melvin, B1 4,537,709, Cl. 252-558.000.
- Levitt, George, to Du Pont de Nemours, E. I., and Company. Herbicidal acetals and ketals. B1 4,659,369, 10-10-89, Cl. 71-92.000.
- Lewellen, William B. Aesthetic fluid suspension and its preparation. B1 3,777,379, 9-26-89, Cl. 40-406.000.
- Linear Film, Inc.: *See—*
  - Hummel, John E.; and Baab, William E., B1 4,526,565, Cl. 493-196.000.
- Loesch, Richard W., to General Tire, Inc. Tire cord. B1 4,749,017, 3-28-89, Cl. 152-527.000.
- Lohrberg, Karl, to Metallgesellschaft Aktiengesellschaft. Vertically extending plate electrode for gas-forming electrolyzers. B1 4,474,612, 1-3-89, Cl. 204-252.000.
- Loustau, Marie-Therese: *See—*
  - Atkin, John; and Loustau, Marie-Therese, B1 4,514,473, Cl. 429-221.000.
- Loverdrape, Inc.: *See—*
  - Hyman, David L.; Cayton, Robert J.; and Rosenquist, Kurt E., B1 4,049,038, Cl. 160-166.100.
- Lubrizol Corporation, The: *See—*
  - Rysek, Joseph J.; and Forsberg, John W., B1 4,468,339, Cl. 252-75.000.
- Luebke, Merlin A.: *See—*
  - Oldroyd, Malcolm; Rateau, Dominique G.; Luebke, Merlin A.; and Anderson, Larry D., B1 4,581,794, Cl. 28-141.000.
- Lykes Pasco Packing Co. Dispenser Manufacturing Div.: *See—*
  - Nottke, James E.; and Ruebel, Jack K., B1 4,194,650, Cl. 222-57.000.

- Madsen, Jens; and Kaae, Svend S., to Clean-Tex A/S. Method of dispensing vapor to the air in a room and an apparatus for carrying out the method. B1 4,658,985, 5-9-89, Cl. 222-1.000.
- Magrath Company, The: *See—*
  - Andrews, James S.; and Hierath, Leonard L., B1 4,394,956, Cl. 231-7.000.
- Mainiero, Joseph J.; Mainiero, Michael R.; and Stanley, Arthur T., to American Fence Company, Inc. Extensible and retractable barrier and electromagnetic intrusion detector therefor. B1 4,503,423, 9-12-89, Cl. 340-552.000.
- Mainiero, Michael R.: *See—*
  - Mainiero, Joseph J.; Mainiero, Michael R.; and Stanley, Arthur T., B1 4,503,423, Cl. 340-552.000.
- Maki, Yoshitaka: *See—*
  - Terao, Shinji; Shiraishi, Mitsuru; and Maki, Yoshitaka, B1 4,393,075, Cl. 514-519.000.
- Malot, James J.: *See—*
  - Visser, Melvin J.; and Malot, James J., B1 4,593,760, Cl. 166-267.000.
- Martin, Wolfgang; Herion, Dieter; Bayew, Dimiter; and Bauer, Wolfgang, to BASF Aktiengesellschaft. Integrated spin-draw-texturizing process for manufacture of texturized polyamide filaments. B1 4,096,226, 1-17-89, Cl. 264-168.000.
- Matsui Shikiso Chemical Co., Ltd.: *See—*
  - Shimizu, Goro; and Kitagawa, Yosuke, B1 4,560,604, Cl. 428-87.000.
- Matsumoto, Seiji: *See—*
  - Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto, Seiji; and Kato, Hisatoyo, B1 4,236,078, Cl. 250-363.00R.
- McClelland, Robert G.; and Raymond, David W., to Interkal, Inc. Row folding seating structure. B1 1,029,635, 6-27-89, Cl. [illegible]2-9.000.
- McCluer, Robert: *See—*
  - Catsimpoolas, Nicholas; McCluer, Robert; Sinn, Robert S.; and Evans, James, B1 4,710,490, Cl. 514-25.000.
- McDonald, Charles H. Elastomeric pavement repair composition for pavement failure and a method of making the same. B1 3,891,585, 11-14-89, Cl. 523-307.000.
- McKoy, Vincent; and Gupta, Amitave, to Barnes Engineering Company. Transparent protective laser shield. B1 4,622,174, 5-30-89, Cl. 252-582.000.
- McLaughlin, Gerald G., to Yukiyo Limited. Fabrication of porcelain restorations. B1 4,579,530, 7-11-8[illegible], Cl. 433-223.000.
- Meeker, Gregory W.; and Bleck, Norris E., to Farrel Corporation. Rotary plasticator ram injection machine. B1 4,557,683, 6-6-89, Cl. 425-147.000.
- Metallgesellschaft Aktiengesellschaft: *See—*
  - Lohrberg, Karl, B1 4,474,612, Cl. 204-252.000.
- Meyer, Willy: *See—*
  - Fory, Werner; Gass, Karl; and Meyer, Willy, B1 4,579,583, Cl. 71-92.000.
- Micrion Limited Partnership: *See—*
  - Doherty, John A.; Ward, Billy W.; and Shaver, David C., B1 4,639,301, Cl. 250-251.000.
- Mikola, James A., to Ford Motor Company. Replaceable lamp assembly and locking mechanism for a sealable reflector housing. B1 4,513,356, 1-31-89, Cl. 362-226.000.
- Mineur, Thomas L.: *See—*
  - Dienes, Zoltan B.; and Mineur, Thomas L., B1 4,545,830, Cl. 156-48.000.
- Minnesota Mining and Manufacturing Company: *See—*
  - Banta, Maynard A., B1 4,263,347, Cl. 427-282.000.
- Mitsubishi Denki Kabushiki Kaisha: *See—*
  - Miyamoto, Hiroshi, B1 4,747,078, Cl. 365-051.000.
- Mitsubishi Jidosha Kogyo Kabushiki Kaisha: *See—*
  - Nakamura, Hirokazu; Kinoshita, Mitsutaka; Ito, Tadahiko; and Kawata, Kazumasa, B1 3,995,610, Cl. 123-192.00B.
- Mitsubishi Monsanto Chemical Co.: *See—*
  - Hasegawa, Shinichi; and Fujita, Hisanori, B1 4,252,576, Cl. 148-33.400.
- Mitsubishi Petrochemical Co., Ltd.: *See—*
  - Akutsu, Susumu; Isaka, Tsutomu; and Ishioka, Mitsugu, B1 4,297,310, Cl. 264-83.000.
- Miyahara, Junji: *See—*
  - Kotera, Noboru; Eguchi, Syusaku; Miyahara, Junji; Matsumoto, Seiji; and Kato, Hisatoyo, B1 4,236,078, Cl. 250 363.00R.
- Miyamoto, Hiroshi, to Mitsubishi Denki Kabushiki Kaisha. Semiconductor memory device. B1 4,747,078, 9-5-89, Cl. 365-051.000.
- Mobay Chemical Corporation: *See—*
  - Blackwell, John, B1 4,071,312, Cl. 534-728.000.
- Monitor Labs, Incorporated: *See—*
  - Wright, Steven A.; and Watts, Donald A., B1 4,260,890, Cl. 250-373.000.
- Monolithic Memories, Inc.: *See—*
  - Birkner, John M.; and Chua, Hua-Thye, B1 4,124,899, Cl. 364-716.000.
- Morikawa, Shigenori: *See—*
  - Hanzawa, Kohtaro; Morikawa, Shigenori; Morokuma, Hiroshi; and Sasaki, Hiroyuki, B1 4,667,556, Cl. 84-1.010.
- Morita, Hideo: *See—*
  - Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,628,072, Cl. 525-57.000.
  - Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,657,970, Cl. 525-57.000.
  - Shiraki, Toshinori; Hayano, Fusakazu; and Morita, Hideo, B1 4,657,971, Cl. 525-57.000.
- Morokuma, Hiroshi: *See—*
  - Hanzawa, Kohtaro; Morikawa, Shigenori; Morokuma, Hiroshi; and Sasaki, Hiroyuki, B1 4,667,556, Cl. 84-1.010.
- Morton Thiokol Inc.: *See—*
  - Barnes, Michael W., B1 4,394,329, Cl. 558-484.000.
  - Kugele, Thomas G., B1 4,062,881, Cl. 260-399.000.
- Motor Wheel Corporation: *See—*
  - Smith, William T., B1 4,574,859, Cl. 152-410.000.
- MSI Data Corporation: *See—*
  - Culp, David W., B1 4,471,218, Cl. 235-472.000.
- Mukai, Kazuo; Honjoh, Akira; and Nakata, Shuji, to Fuji Photo Film Co., Ltd. Burnishing method and apparatus for magnetic disk. B1 4,656,790, 1-10-89, Cl. 51-141.000.
- Mumford, John L.; and Price, Roger F., to TI (Group Services) Limited. Vitreous enamels. B1 4,555,415, 11-28-89, Cl. 427-193.000.
- Nagano, Masashi, to Shimano Industrial Company Limited. Derailleur for a bicycle. B1 4,618,3[illegible]2, 5-30-89, Cl. 474-80.000.
- Naik, Appaya R.: *See—*
  - Edge, David J.; Naik, Appaya R.; and Scott, Melvin, B1 4,537,709, Cl. 252-558.000
- Nakamura, Hirokazu; Kinoshita, Mitsutaka; Ito, Tadahiko; and Kawata, Kazumasa, to Mitsubishi Jidosha Kogyo Kabushiki Kaisha. Four cylinder straight-type engine with secondary balancer system. B1 3,995,610, 1-3-89, Cl. 123-192.00B.
- Nakamura, Hitoshi: *See—*
  - Takahashi, Akio; Tsumuki, Chiaki; and Nakamura, Hitoshi, B1 4,236,[illegible]23, Cl. 419-6.000.
- Nakata, Shuji: *See—*
  - Mukai, Kazuo; Honjoh, Akira; and Nakata, Shuji, B1 4,656,790, Cl. 51-141.000
- Natale, Anthony. Particulate contamination control method and filtration device. B1 4,604,111, 6-6-89, Cl. 55-97.000.
- National Research Development Corporation: *See—*
  - Jenkins, Walter N., B1 4,647,471, Cl. 427-37.000.
- Nellcor Incorporated: *See—*
  - New, William, Jr.; and Corenman, James E., B1 4,653,498, Cl. 128-633.000.
- New, William, Jr.; and Corenman, James E., to Nellcor Incorporated. Pulse oximeter monitor. B1 4,653,498, 4-18-89, Cl. 128-633.000.
- Newell, Bruce D.; Petronis, Thomas J.; and Krause, Lawrence R., to Applied Robotics Inc. Apparatus and method for connecting and exchanging remote manipulable elements to a central control source. B1 4,664,588, 9-26-89, Cl. 414-730.000.
- Newell, E. Strohm. Assembly for pulling a line. B1 3,730,483, 12-12-89, Cl. 254-371.000.
- Nicholas, Dan H., to Tektronix, Inc. Dual display monitor. B1 4,677,481, 2-21-89, Cl. 358-139.000.
- Nikolich, Milovan, to Signode Corporation. Portable gas-powered tool with linear motor. B1 4,522,162, 3-21-89, Cl. 123-46.0SC.
- Nippon Gakki Seizo Kabushiki Kaisha: *See—*
  - Watanabe, Keisuke; and Iwamoto, Toshiyuki, B1 4,653,378, Cl. 84-423.00R.
- Niswander, Robert L.; and Cornwell, Tomy W., to Hyway Concrete Pipe Company, Inc. Rectilinear culvert structure. B1 4,564,313, 3-7-89, Cl. 405-125.000.
- NL Industries, Inc.: *See—*
  - Burnes, Edward E.; and Bhatia, Kishan, B1 4,515,759, Cl. 423-220.000.
- Nockher, Gerhard: *See—*
  - Panknin, Walter; Ruhl, Rolf; and Nockher, Gerhard, B1 4,568,812, Cl. 219-64.000.
- Noss Company: *See—*
  - Wikdahl, Nils A. L., B1 3,415,374, Cl. 209-211.000.
- Nottke, James E.; and Ruebel, Jack K., to Lykes Pasco Packing Co. Dispenser Manufacturing Div. Liquid mixing and aerating system. B1 4,194,650, 1-31-89, Cl. 222-57.000.
- Occidental Chemical Corporation: *See—*
  - Tang, David Y.; Cotter, Byron R.; and Goetz, Frederick J., B1 4,470,930, Cl. 558-425.000.
- OCE-Nederland B.V.: *See—*
  - van Cooten, Robertus; Simons, Dick; Witteveen, Bontko; Drasi, Willem T.; van Striphout, Johannes G. V.; and Huijben, Martinus J., B1 4,704,621, Cl. 346-153.100.
- Ohi, Reiichi: *See—*
  - Arai, Naoki; and Ohi, Reiichi, B1 3,954,478, Cl. 430-550.000.
- Ojanen, Randall W., to GTE Products Corporation. Rotatable cutting bit. B1 4,497,520, 1-17-89, Cl. 299-86.000.
- Oldroyd, Malcolm; Rateau, Dominique G.; Luebke, Merlin A.; and Anderson, Larry D., to Asten Group Inc. Automatic seaming machine for fabric belts. B1 4,581,794, 1-3-89, Cl. 28-141.000.
- O'Neill, William J., to Argon Medical Corp. Removable hemostasis valve. B1 4,436,519, 4-4-89, Cl. 604-175.000.
- Opprecht, Paul, to Elpatronic AG. Method of electric seam resistance welding. B1 3,842,235, 12-19-89, Cl. 219-83.000.
- Ouellette, Joseph F., to Ouellette Machinery Systems Inc. Top feeding and ejecting materials handling apparatus. B1 4,557,656, 12-19-89, Cl. 414-790.800.
- Ouellette Machinery Systems Inc.: *See—*
  - Ouellette, Joseph F., B1 4,557,656, Cl. 414-790.800.
- Outboard Marine Corporation: *See—*
  - Cavil, David T., B1 3,646,377, Cl. 310-168.000.
- Panama Breakaway, Inc.: *See—*
  - Howard, Harland V., III, B1 4,624,068, Cl. 43-6.000.
- Panknin, Walter; Ruhl, Rolf; and Nockher, Gerhard, to L. Schuler GmbH. Device for electric longitudinal-seam mash resistance welding. B1 4,568,812, 5-30-89, Cl. 219-64.000.

- Pannu, Jaswant S. Universal intraocular lens and a method of measuring an eye chamber size. B1 1,032,525, 5-9-89, Cl. 623-6.000.
- Paramount Packaging Corp.: *See—*
  - Peppiatt, Harry R., B1 4,573,203, Cl. 383-29.000.
- Parker, Alan; and Farnhill, William M., to Hollingsworth (U.K.) Limited. Rollers for friction spinning apparatus. B1 4,522,022, 12-19-89, Cl. 57-401.000.
- Parnello, Nicholas G. Twist-inhibiting applicance for connecting a cable of a telephone set or the like. B1 4,472,010, 9-26-89, Cl. 439-19.000.
- Parsons, David, to Automotive Products plc. Liquid pressure apparatus. B1 4,599,860, 2-28-89, Cl. 60-584.000.
- Peitsch, Bernd E.: *See—*
  - Johnson, Robert C.; Perry, David L.; and Peitsch, Bernd E., B1 4,634,971, Cl. 324-133.000.
- Pelikan AG: *See—*
  - von Wartburg, Rene, B1 4,246,033, Cl. 106-23.000.
- Peppiatt, Harry R., to Paramount Packaging Corp. Reusable plastic bag with loop handle. B1 4,573,203, 4-18-89, Cl. 383-29.000.
- Perry, David L.: *See—*
  - Johnson, Robert C.; Perry, David L.; and Peitsch, Bernd E., B1 4,634,971, Cl. 324-133.000.
- Petronis, Thomas J.: *See—*
  - Newell, Bruce D.; Petronis, Thomas J.; and Krause, Lawrence R., B1 4,664,588, Cl. 414-730.000.
- Pettibone, Craig R.; and Berry, Jimmy D., to Specialty Products Company. Camber adjustment device. B1 4,733,884, 4-18-89, Cl. 280-661.000.
- Phillips Petroleum Company: *See—*
  - Edmonds, James T., Jr., B1 3,970,719, Cl. 525-247.000.
- Pioneer Industrial Products Company: *See—*
  - Fogt, Kenneth E.; Slosser, James D.; Varos, John A.; and Radhakrishnan, Gopinath, B1 4,526,828, Cl. 428-229.000.
- Plasmainvent AG: *See—*
  - Gruner, Heiko, B1 4,596,718, Cl. 427-34.000.
- PPG Industries, Inc.: *See—*
  - Grove, William S., B1 4,311,515, Cl. 71-108.000.
- Price, Roger F.: *See—*
  - Mumford, John L.; and Price, Roger F., B1 4,555,415, Cl. 427-193.000.
- Procter & Gamble Co., The: *See—*
  - Buell, Kenneth B., B1 3,860,003, Cl. 604-385.200.
  - Buell, Kenneth B., B1 4,636,207, Cl. 604-370.000.
  - Hirotsu, Dennis O.; and Robertson, Anthony J., B1 4,662,875, Cl. 604-389.000.
- Racine, Marsh V. Computer aided coordinate digitizing system. B1 4,578,768, 9-26-89, Cl. 364-560.000.
- Radhakrishnan, Gopinath: *See—*
  - Fogt, Kenneth E.; Slosser, James D.; Varos, John A.; and Radhakrishnan, Gopinath, B1 4,526,828, Cl. 428-229.000.
- Rao, G. R. Mohan: *See—*
  - White, Lionel S., Jr.; and Rao, G. R. Mohan, B1 4,207,618, Cl. 365-222.000.
- Rateau, Dominique G.: *See—*
  - Oldroyd, Malcolm; Rateau, Dominique G.; Luebke, Merlin A.; and Anderson, Larry D., B1 4,581,794, Cl. 28-141.000.
- Raymond, David W.: *See—*
  - McClelland, Robert G.; and Raymond, David W., B1 1,029,635, Cl. 52-9.000.
- Recoton Corporation: *See—*
  - Schotz, Larry, B1 4,734,897, Cl. 369-2.000.
- Reddy, Redreddy S., to Vapor Corporation. Electromechanical switch actuator having high security key actuator. B1 4,611,104, 9-26-89, Cl. 200-43.080.
- Reeves Brothers, Inc.: *See—*
  - Griswold, Azel A., B1 4,537,912, Cl. 521-53.000.
- Renishaw plc.: *See—*
  - Bell, Frederick K.; Deis, Jerome E.; and Allen, Paul E., B1 4,136,458, Cl. 374-561.000.
- Republic Packaging Corporation: *See—*
  - Anyon, Norman R., B1 3,904,039, Cl. 206-320.000.
- Research Corporation Technologies, Inc.: *See—*
  - Cleare, Michael J.; Heescheler, James D.; Rosenberg, Barnett; and Van Camp, Loretta L., B1 4,140,707, Cl. 556-137.000.
- Rhone-Poulenc Agrochimie: *See—*
  - Theissen, Robert J., B1 4,339,268, Cl. 71-108.000.
- RMC, Inc.: *See—*
  - Blum, Josef, B1 3,680,120, Cl. 83-167.000.
- Robertson, Anthony J.: *See—*
  - Hirotsu, Dennis O.; and Robertson, Anthony J., B1 4,662,875, Cl. 604-389.000.
- Rodgers, Henry W. Rotating circular airfoil. B1 4,104,822, 6-27-89, Cl. 446-48.000.
- Roemer, Peter B.; and Hickey, John S., to General Electric Company. Self-shielded gradient coils for nuclear magnetic resonance imaging. B1 4,737,716, 1-24-89, Cl. 324-319.000.
- Rondeau, Henry S., to Rondeau, Virginia C., Executrix of State of Henry S. Rondeau. Spray bonding of nickel aluminum and nickel titanium alloys. B1 4,027,367, 11-14-89, Cl. 428-652.000.
- Rondeau, Virginia C.: *See—*
  - Rondeau, Henry S., B1 4,027,367, Cl. 428-652.000.
- Rosenberg, Barnett: *See—*
  - Cleare, Michael J.; Heescheler, James D.; Rosenberg, Barnett; and Van Camp, Loretta L., B1 4,140,707, Cl. 556-137.000.
- Rosenquist, Kurt E.: *See—*
  - Hyman, David L.; Cayton, Robert J.; and Rosenquist, Kurt E., B1 4,049,038, Cl. 160-166.100.
- Rubinson, Barry L.; Gardner, Edward A.; Grace, William A.; Lary, Richard F.; and Keck, Dale R., to Digital Equipment Corporation. Interface between a pair of processors such as host and peripheral-controlling processors in data processing systems. B1 4,449,182, 12-12-89, Cl. 364-200.000.
- Rubinstein, Alan, to Cedars Sinai Medical Center. Heat treatment of lyophilized blood clotting factor VIII concentrate. B1 4,456,590, 1-3-89, Cl. 514-2.000.
- Rubinstein, Alan, to Cedars-Sinai Medical Center. Treatment of factor VIII concentrate to minimize the affect of undesirable microorganisms. B1 4,556,558, 7-11-89, Cl. 514-2.000.
- Ruebel, Jack K.: *See—*
  - Nottke, James E.; and Ruebel, Jack K., B1 4,194,650, Cl. 222-57.000.
- Ruhl, Rolf: *See—*
  - Panknin, Walter; Ruhl, Rolf; and Nockher, Gerhard, B1 4,568,812, Cl. 219-64.000.
- Rysek, Joseph J.; and Forsberg, John W., to Lubrizol Corporation, The. Aqueous compositions containing overbased materials. B1 4,468,339, 5-16-89, Cl. 252-75.000.
- Sand, Daniel: *See—*
  - Jenkins, Waylon L.; Hawkins, James M.; and Sand, Daniel, B1 4,605,721, Cl. 527-312.000.
- Saraf, Dilip G.: *See—*
  - Green, Philip S.; Saraf, Dilip G.; and Havlice, James F., B1 4,305,296, Cl. 73-626.000.
- Sasaki, Hiroyuki: *See—*
  - Hanzawa, Kohtaro; Morikawa, Shigenori; Morokuma, Hiroshi; and Sasaki, Hiroyuki, B1 4,667,556, Cl. 84-1.010.
- Schintlmeister, Wilfried, to Schwarzkopf Development Corporation. Coated cemented carbide elements. B1 4,101,703, 1-24-89, Cl. 428-552.000.
- Schintlmeister, Wilfried, to Schwarzkopf Development Corp. Coated cemented carbide elements and their manufacture. B1 4,162,338, 3-7-89, Cl. 427-249.000.
- Schotz, Larry, to Recoton Corporation. Cassette adapter for playback device such as a compact disk player. B1 4,734,897, 12-12-89, Cl. 369-2.000.
- Schrader Automotive, Inc.: *See—*
  - Vago, Otto Z.; and Irlinger, Frank S., B1 4,250,759, Cl. 73-273.000.
- Schubert, Hans A.; and Schulze, Klaus, to SMS Hasenclever Maschinenfabrik GmbH. Forging press of underfloor design. B1 4,607,518, 10-24-89, Cl. 72-453.120.
- Schulze, Klaus: *See—*
  - Schubert, Hans A.; and Schulze, Klaus, B1 4,607,518, Cl. 72-453.120.
- Schwarzkopf Development Corporation: *See—*
  - Schintlmeister, Wilfried, B1 4,101,703, Cl. 428-552.000.
  - Schintlmeister, Wilfried, B1 4,162,338, Cl. 427-249.000.
- Scott, Melvin: *See—*
  - Edge, David J.; Naik, Appaya R.; and Scott, Melvin, B1 4,537,709, Cl. 252-558.000.
- Scott Paper Co.: *See—*
  - Urion, Kenard E., B1 8,273,843, Cl. D9-339.000.
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- Wright, Steven A.; and Watts, Donald A., to Monitor Labs, Incorporated. Fluorescent gas analyzer. B1 4,260,890, 6-27-89, Cl. 250-373.000.
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- Ahlgren, Stig B., to Prismavision AB. Toothed drive pulley. 299,211, 1-3-89, Cl. D8-360.000.

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- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 305,186, Cl. D6-436.000.
- Anderson, Bruce O.: *See—*
  - Bush, Paul; and Anderson, Bruce O., 300,888, Cl. D6-436.000.
  - Bush, Paul; and Anderson, Bruce O., 301,095, Cl. D6-436.000.
  - Bush, Paul; and Anderson, Bruce O., 301,096, Cl. D6-477.000.
  - Bush, Paul; and Anderson, Bruce O., 301,664, Cl. D6-436.000.
  - Bush, Paul; and Anderson, Bruce O., 302,498, Cl. D6-436.000.
  - Bush, Paul; and Anderson, Bruce O., 302,631, Cl. D6-436.000.
  - Bush, Paul; and Anderson, Bruce O., 304,530, Cl. D6-422.000.
- Anderson, Carl J.; Cronrath, Scott J.; and Beidler, David B., to General Battery Corporation. Battery cover with movable handle. 299,639, 1-31-89, Cl. D13-10.000.
- Anderson, Georgette M. Pie crust shield. 303,908, 10-10-89, Cl. D7-387.000.
- Anderson, Harry W. Collapsible work horse. 303,293, 9-5-89, Cl. D25-67.000.
- Anderson, Kenneth J.: *See—*
  - Fudge, Alva L.; Anderson, Kenneth J.; and Piazza, Phillip J., 302,309, Cl. D25-22.000.
- Anderson, Pat R. Adjustable rack for holding a wok in a barbeque grill. 302,096, 7-11-89, Cl. D7-402.000.
- Anderson, Robert L., to Robotool Ltd. Control for a spindle head. 304,591, 11-14-89, Cl. D15-138.000.
- Andersson, Arne; and Piltz, Lars-Eric. Can. 299,426, 1-17-89, Cl. D9-368.000.
- Ando, Toshiya, to Casio Computer Co., Ltd. Wrist watch. 303,769, 10-3-89, Cl. D10-38.000.
- Andraesen, James E., to Lew Childre & Sons, Inc. Handle for a fishing rod. 300,551, 4-4-89, Cl. D22-142.000.
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- Andreasen, James; and Childre, Casey J. Handle for a fishing rod. 299,514, 1-24-89, Cl. D22-142.000.
- Andreasen, James E.; Childre, Casey J.; and Peed, David B., to Lew Childre & Sons, Inc. Handle for a fishing rod. 299,513, 1-24-89, Cl. D22-142.000.
- Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., to Lew Childre & Sons, Inc. Handle for a fishing rod. 299,735, 2-7-89, Cl. D22-142.000.
- Andreasen, James E.; Childre, Casey J.; and Peed, David B., to Lew Childre & Sons, Inc. Handle for a fishing rod. 299,736, 2-7-89, Cl. D22-142.000.
- Andreasen, James E., to Lew Childre & Sons, Inc. Handle for a fishing rod. 299,737, 2-7-89, Cl. D22-142.000.
- Andreasen, James E., to Lew Childre & Sons, Inc. Handle for a fishing rod. 300,056, 2-28-89, Cl. D22-142.000.
- Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., to Lew Childre & Sons, Inc. Handle for a fishing rod. 300,167, 3-7-89, Cl. D22-142.000.
- Andreasen, James E., to Lew Childre & Sons, Inc. Handle for a fishing rod. 300,168, 3-7-89, Cl. D22-142.000.
- Andreasen, James E.; and Childre, Casey J. Handle for a fishing rod. 300,169, 3-7-89, Cl. D22-142.000.
- Andreasen, James E.; and Childre, Casey J. Handle for a fishing rod. 300,767, 4-18-89, Cl. D22-142.000.
- Andreasen, James E.; and Childre, Casey J. Handle for a fishing rod. 300,768, 4-18-89, Cl. D22-142.000.
- Andreasen, James E., to Lew Childre & Sons, Inc. Handle for a fishing rod. 301,515, 6-6-89, Cl. D22-142.000.
- Andrews, Arlan K., Sr.; McGarvey, John N.; and Zambelli, Michael P., to American Telephone and Telegraph Company; and AT&T Information Systems Inc. Alarm transmitter. 303,638, 9-26-89, Cl. D10-106.000.
- Andrews, Donald L. Catenary arch building toy. 304,464, 11-7-89, Cl. D21-59.000.
- Andrews, Donald L. Catenary arch barrel building toy. 304,465, 11-7-89, Cl. D21-59.000.
- Anello, John R.; Hock, James H.; and Mitchell, Preston, to Essex Industries. Foldable seat for use primarily in a canoe. 301,191, 5-23-89, Cl. D6-502.000.
- Anema, Willem, to U.S. Philips Corporation. Dry shaver. 302,599, 8-1-89, Cl. D28-50.000.
- Anema, Willem, to U.S. Philips Corporation. Lamp base. 302,860, 8-15-89, Cl. D26-2.000.
- Anesi, Dennis W.: *See—*
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- Angeles Nursery Toys, Inc.: *See—*
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- Angell, Thomas M. Single piece, electrical box retainer. 303,081, 8-29-89, Cl. D8-364.000.
- Angelo, Ricagni. Portable air conditioning unit. 300,773, 4-18-89, Cl. D23-333.000.
- Anitua, Miguel M., to Gara Te Anitua Y Cia., S.A. Exercise bicycle. 299,671, 1-31-89, Cl. D21-194.000.
- Anjuere, Catherine M. P.; Anjuere, Patrick M. J.; Grenot, Bernard; and Taffin de Givenchy, Philippe H. Housing module. 300,248, 3-14-89, Cl. D25-22.000.
- Anjuere, Catherine M. P.; Anjuere, Patrick M. J.; Grenot, Bernard; and Taffin de Givenchy, Philippe H. Modular house. 300,858, 4-25-89, Cl. D25-4.000.
- Anjuere, Patrick M. J.: *See—*
  - Anjuere, Catherine M. P.; Anjuere, Patrick M. J.; Grenot, Bernard; and Taffin de Givenchy, Philippe H., 300,248, Cl. D25-22.000.
  - Anjuere, Catherine M. P.; Anjuere, Patrick M. J.; Grenot, Bernard; and Taffin de Givenchy, Philippe H., 300,858, Cl. D25-4.000.
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- Anritsu Corporation: *See—*
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- Ansah, Samuel M. Whirling toy. 302,192, 7-11-89, Cl. D21-98.000.
- Ansaldo, Albert. Combined swivel chair and firearm support for a sportsman. 299,387, 1-17-89, Cl. D6-335.000.
- Ansan Industries Ltd.: *See—*
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- Ansel, Pierre, to SEB. Toaster. 300,498, 4-4-89, Cl. D7-330.000.
- Antekeier, Steven A., to Fleet Engineers, Inc. Vehicle quarter fender. 303,238, 9-5-89, Cl. D12-185.000.
- Antekeier, Steven A.: *See—*
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  - Arnoux, Daniel; Anton, Christian; and Genter, Claude, 300,307, Cl. D10-79.000.
- Antonellis, Nino. Table. 300,489, 4-4-89, Cl. D6-466.000.
- Antonio Puig, S.A.: *See—*
  - Sala, Andre R., 302,248, Cl. D9-403.000.
  - Sala, Andre R., 302,249, Cl. D9-403.000.
  - Sala, Andre R., 302,386, Cl. D9-403.000.
- Antonious, Anthony J. Golf club head. 300,443, 3-28-89, Cl. D21-217.000.
- Antonious, Anthony J. Golf club head. 300,444, 3-28-89, Cl. D21-217.000.
- Antonious, Anthony J. Golf club head. 300,445, 3-28-89, Cl. D21-217.000.
- Antonious, Anthony J. Golf club head. 300,758, 4-18-89, Cl. D21-217.000.
- Antonious, Anthony J. Golf club head. 300,759, 4-18-89, Cl. D21-217.000.
- Antonious, Anthony J. Golf club head. 305,055, 12-12-89, Cl. D21-217.000.
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  - Naito, Masahito; Higa, Toshiro; Aobori, Tetsuro; Kubota, Eiichi; and Obata, Takeichi, 304,281, Cl. D7-351.000.
- Aoki, Akio, to Figgie International Inc. Back wall for a baseball glove. 300,182, 3-14-89, Cl. D2-623.000.
- Aoki, Akira, to Seiwa Instruments Mfg. Co., Ltd. Binoculars. 299,724, 2-7-89, Cl. D16-133.000.
- Aoki, Hisao, to Sanden Corporation. Heat exchanger. 304,855, 11-28-89, Cl. D23-386.000.
- Aoki, Hisao, to Sanden Corporation. Heat exchanger. 304,856, 11-28-89, Cl. D23-386.000.
- Aoki, Shizuya; and Takeuchi, Mikio, to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,444, 6-6-89, Cl. D12-147.000.
- Aoki, Tsunetaka, to Yoshida Kogyo K. K. Slider for slide fastener. 305,106, 12-19-89, Cl. D11-221.000.
- Aoki, Yoshihiro, to Application Art Laboratories Co., Ltd. Fastener for clothing. 303,641, 9-26-89, Cl. D11-220.000.
- Aono, Tetsuya; and Shibayama, Ichirou, to Maruzen Sewing Machine Co., Ltd. Sewing machine. 303,117, 8-29-89, Cl. D15-70.000.
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- Aoyama, Minoru, to Canon Kabushiki Kaisha. Electrophotographic copier. 299,927, 2-21-89, Cl. D18-37.000.
- Aoyama, Minoru, to Canon Kabushiki Kaisha. Developing device for electrophotographic copier. 303,541, 9-19-89, Cl. D18-36.000.
- Aoyama, Minoru: *See—*
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- Aoyama, Yoshihiko: *See—*
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  - Yamase, Shinichi; Tsukui, Hiroaki; and Aoyama, Yoshihiko, 300,211, Cl. D12-110.000.
- Aplex Corporation: *See—*
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- Apogee, Inc.: *See—*
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  - Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,347, Cl. D21-84.000.
- Apostolopoulos, Joannis, to Dow Chemical Company, The. Corner block. 302,312, 7-18-89, Cl. D25-113.000.
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- Apple Computer Inc.: *See—*
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  - De La Cruz, Michael; and Willnauer, Sigmar W., 304,448, Cl. D14-114.000.
  - Esslinger, Hartmut H., 305,227, Cl. D14-100.000.
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- Apple Marketing, Inc.: *See—*
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- Application Art Laboratories Co., Ltd.: *See—*
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- Aquila, Christopher A.; and Wilson, Richard J. Clipboard for shopping cart push bar. 301,489, 6-6-89, Cl. D19-88.000.
- Arai, Shiro. Twin function graphic equalizer. 303,971, 10-10-89, Cl. D14-217.000.
- Arai, Tatsuya, to Kobishi Electric Co., Ltd. Combined bell and lamp. 299,703, 2-7-89, Cl. D14-116.000.
- Arai, Tatsuya, to Kobishi Electric Co., Ltd. Combined bell and lamp. 299,813, 2-14-89, Cl. D10-116.000.
- Arai, Tatsuya, to Kobishi Electric Co., Ltd. Combined bell and lamp. 300,730, 4-18-89, Cl. D10-116.000.
- Arai, Tomoyuki, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle wheel cover. 302,002, 7-4-89, Cl. D12-209.000.
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- Aranas, Lorrie; and Ward, Carolyn, to Carousel Village Industries. Educational game board. 301,254, 5-23-89, Cl. D21-25.000.
- Arax International Corporation: *See—*
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- Arco Toys Limited: *See—*
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- Ard, Ernest E.; and Ard, Randall E. Boat hull. 299,638, 1-31-89, Cl. D12-314.000.
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- Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, to Delta Elettronica S.p.A. Siren for vehicle anti-theft alarm. 301,989, 7-4-89, Cl. D10-120.000.
- Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, to Delta Elettronica S.p.A. Ultrasonic alarm for vehicles. 303,507, 9-19-89, Cl. D10-106.000.
- Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, to Delta Elettronica S.p.A. Combined key holder and remote control transmitter for antitheft apparatus. 305,180, 12-26-89, Cl. D3-62.000.
- Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, to Delta Elettronica S.p.A. Combined key holder and remote control transmitter for antitheft apparatus. 305,210, 12-26-89, Cl. D3-62.000.
- Arehart, Robert W., to Emerson Electric Co. Solder gun. 299,207, 1-3-89, Cl. D8-30.000.
- Arehart, Robert W., to Emerson Electric Co. Solder gun. 299,208, 1-3-89, Cl. D8-30.000.
- Arehart, Robert W., to Emerson Electric Co. Solder gun. 299,209, 1-3-89, Cl. D8-30.000.
- Arehart, Robert W., to Emerson Electric Co. Soldering iron. 300,200, 3-14-89, Cl. D8-30.000.
- Arehart, Robert W., to Emerson Electric Co. Soldering iron. 300,297, 3-21-89, Cl. D8-30.000.
- Arehart, Robert W., to Emerson Electric Co. Band saw. 300,934, 5-2-89, Cl. D15-134.000.
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- Arenas, Robert M.; McCarthy, Timothy D.; and Wayland, Robert E., to Motorola, Inc. Driver interface module or similar article for a vehicle monitoring system. 302,540, 8-1-89, Cl. D12-155.000.
- Argandona, Augusto, to Quaker Oats Company, The. Kitchen toy. 299,839, 2-14-89, Cl. D21-122.000.
- Argyropoulos, James, to Cherokee Group, The. High top moccasin toe walker. 303,867, 10-10-89, Cl. D2-268.000.
- Argyropoulos, James, to Cherokee Group, The. Low top moccasin toe walker. 303,868, 10-10-89, Cl. D2-268.000.
- Aries Electronics, Inc.: *See—*
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- Armor, Patrick D.; and Hanson, Robert H., to Procter & Gamble Company, The. Container blank. 303,090, 8-29-89, Cl. D9-433.000.
- Armstrong, Nola L. Study module. 302,362, 7-25-89, Cl. D6-421.000.
- Armstrong, Timothy O.; Smith, David B.; and Miller, Randolph F., to Precor Incorporated. Exercise bicycle. 300,046, 2-28-89, Cl. D21-194.000.
- Armstrong, Timothy O.; Bang, Gary M.; and Real, Kenneth G., to Precor Incorporated. Exercise treadmill. 303,414, 9-12-89, Cl. D21-192.000.
- Armstrong, Timothy O.; Bull, John W.; and Smith, David B., to Precor Incorporated. Stair climbing exercise apparatus. 304,358, 10-31-89, Cl. D21-195.000.
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  - Jennings, Michael W., 299,871, Cl. D25-157.000.
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  - Jennings, Michael W., 299,873, Cl. D25-157.000.
  - Schouten, Gerard M., 303,460, Cl. D6-409.000.
  - Schouten, Gerard M.; and Henry, Janice O., 303,461, Cl. D6-409.000.
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- Arnold, Merrill G. Puzzle. 299,366, 1-10-89, Cl. D21-104.000.
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- Arnoux, Daniel; Anton, Christian; and Genter, Claude, to Societe Chauvin Arnoux. Multi-meter. 300,306, 3-21-89, Cl. D10-78.000.
- Arnoux, Daniel; Anton, Christian; and Genter, Claude, to Societe Chauvin Arnoux. Clamp-on current probe. 300,307, 3-21-89, Cl. D10-79.000.
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- ARO Metal Stamping Co., Inc.: *See—*
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- Aronsson, Joachim S.; Leander, Oskar W.; and Melin, Erik R., to Rotech Tooling AB. Driving unit for an electrode shaping device. 305,238, 12-26-89, Cl. D15-139.000.
- Arredondo, Rene N., Jr. Bicycle wheel or similar article. 303,516, 9-19-89, Cl. D12-209.000.
- Arrow Specialty Company: *See—*
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- Arrowhead Products, Inc.: *See—*
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  - Katayama, Yutaka, 304,771, Cl. D27-163.000.
- Arvidsson, Jan-Ivar, to Industri AB Thule. Ski rack holder. 299,913, 2-21-89, Cl. D12-157.000.
- Arvidsson, Jan-Ivar, to Industri AB Thule. Ski rack. 300,914, 5-2-89, Cl. D12-157.000.
- Arvidsson, Jan-Ivar, to Industri AB Thule. Ski rack. 302,000, 7-4-89, Cl. D12-157.000.
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Baldwin, Timothy. Sheltered bird feeder. 302,752, 8-8-89, Cl. D30-124.000.
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Bannigan, Francis R. Combined tool, powerboard and drawer holder unit. 302,224, 7-18-89, Cl. D6-560.000.

Bannister, Roger, to Helix Fragrances Inc. Combined bottle and cap. 304,298, 10-31-89, Cl. D9-380.000.

Baptiste, Trevor I. Combination shirt and bow tie. 299,281, 1-10-89, Cl. D2-209.000.

Baptiste, Trevor I. Combination shirt and bow tie. 303,313, 9-12-89, Cl. D2-208.000.

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Barbieri, Raul; and Marianelli, Giorgio. Wall coat hook. 301,406, 6-6-89, Cl. D6-323.000.

Barbieri, Raul; and Marianelli, Giorgio. Wall coat hook unit. 301,523, 6-13-89, Cl. D6-323.000.

Barbula, Larance E. Cutting attachment for a weed trimmer. 301,110, 5-16-89, Cl. D8-7.000.

Barchek, Douglas A.; and Pieramico, Martin A., to Huffy Corporation. Seat stay bracket for a bicycle. 300,912, 5-2-89, Cl. D12-117.000.

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Barcom, Garland T. Card holder for window display. 303,403, 9-12-89, Cl. D20-43.000.

Bardwell, David: *See—*

- Dunlap, Kenneth W.; and Bardwell, David, 304,616, Cl. D24-24.000.

Bareiss, Raymond E. Canopy. 302,856, 8-15-89, Cl. 25-56.000.

Barker, Thomas W. Barricade warning light testing device. 299,440, 1-17-89, Cl. D10-77.000.

Barker, William C.; Desikan, Pathukotta; Fraser, Ross E.; Pflueger, Michael W.; and Sethia, Kamal S., to AG Communication Systems Corporation. Base housing for a multi-feature telephone call processor. 304,717, 11-21-89, Cl. D14-241.000.

Barker, William C.; Desikan, Pathukotta K.; Fraser, Ross E.; Pflueger, Michael W.; and Sethia, Kamal S., to AG Communication Systems Corporation. Base housing for a multi-feature telephone call processor. 304,727, 11-21-89, Cl. D14-241.000.

Barnes, Joseph: *See—*

- Jones, Hwfa J., 302,443, Cl. D19-91.000.

Barnes, Kevin J.: *See—*

- Flesher, Robert W.; Barnes, Kevin J.; Blakesley, Robert W.; and Lynn, Robert W., 303,007, Cl. D24-8.000.

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- Flesher, Robert W.; Barnes, Kevin T.; Blakesley, Robert W.; and Lynn, Robert W., 303,012, Cl. D24-31.000.

Barnett, David J., to Ilesso Anstalt Limited. Corkscrew. 302,233, 7-18-89, Cl. D8-42.000.

Barnett, David J.; and Knight, Alan W. E. Device for removing caps or tops from sealed containers. 302,643, 8-8-89, Cl. D8-40.000.

Barone, Reina A.; and Burtch, Bruce W., to Burtch Barone, Inc. Organizer tray. 304,842, 11-28-89, Cl. D19-75.000.

Baroni, Moris. Scissors. 299,410, 1-17-89, Cl. D8-52.000.

Barrault, Jean-Louis, to Moulinex, Societe Anonyme. Re-charging stand for a cordless electric iron. 300,678, 4-11-89, Cl. D32-73.000.

Barrault, Jean-Louis, to Moulinex, Societe Anonyme. Food processor. 301,297, 5-30-89, Cl. D7-384.000.

Barrault, Jean-Louis, to Moulinex, Societe Anonyme. Steam pressing iron. 302,060, 7-4-89, Cl. D32-70.000.

Barrault, Jean-Louis, to Moulinex, Societe Anonyme. Cordless electric iron. 302,061, 7-4-89, Cl. D32-70.000.

Barrault, Jean-Louis, to Moulinex, Societe Anonyme. Electrical food processor. 302,228, 7-18-89, Cl. D7-384.000.

Barrault, Jean-Louis. Food product mincing appliance. 303,482, 9-19-89, Cl. D7-381.000.

Barrett, Ronnie G. Semi-automatic rifle. 304,062, 10-17-89, Cl. D22-103.000.

Barrett, William H.; Gregory, Joseph A.; Mohr, Lisa M.; Remsburger, Louis J.; and Schaum, David L., to International Business Machines Corporation. Remote control unit. 300,030, 2-28-89, Cl. D14-218.000.

Barrett, William H.; Gregory, Joseph A.; Mohr, Lisa M.; and Schaum, David L., to International Business Machines Corporation. Cart. 304,635, 11-14-89, Cl. D34-19.000.

Barron, Cyrus J. Lunchbox with wheels. 303,602, 9-26-89, Cl. D7-76.000.

Barros, Ron P. Mouth to mouth resuscitator. 301,618, 6-13-89, Cl. D24-62.000.

Barrow, Theodore E.; and Heck, Kenneth R., Sr., to Centerline Archery Products, Inc. Arrow nock. 301,272, 5-23-89, Cl. D22-115.000.

Barrs, Amy W.; Brown, Kurtis I.; Dickson, James F.; and Englebert, Stephen M., to Kimberly-Clark Corporation. Rolled material dispenser. 301,667, 6-20-89, Cl. D6-518.000.

Bartlett, Inger, to Inger Bartlett & Associates. Table. 300,889, 5-2-89, Cl. D6-484.000.

Bartlett, Inger. Desk. 304,268, 10-31-89, Cl. D6-428.000.

Bartlett, Stephen P.: *See—*

- Kessler, Alan F.; Bronaugh, David E.; Watson, James J.; and Bartlett, Stephen P., 299,528, Cl. D23-351.000.

Bartolo, Jerry. Insulating jacket for liquid-containing bottle. 301,821, 6-27-89, Cl. D7-77.000.

Baruffa, Olindo, to Mefina S.A. Combined sewing machine and cover. 300,745, 4-18-89, Cl. D15-69.000.

Baruffa, Olindo, to Mefina S.A. Combined sewing machine and cover. 300,746, 4-18-89, Cl. D15-69.000.

Basckin, Jonathan S. Wristwatch. 302,663, 8-8-89, Cl. D10-32.000.

Basile, Joseph L. Silk screen rack bracket. 300,206, 3-14-89, Cl. D8-373.000.

Basitodos, Hugo. Insulated covered bowl. 299,801, 2-14-89, Cl. D7-17.000.

Bass, Saul, to Standard Oil Company, The. Service station. 300,662, 4-11-89, Cl. D25-33.000.

Bass, Saul, to Standard Oil Company, The. Service station pump housing. 301,147, 5-16-89, Cl. D15-9.100.

Bass, Saul, to Standard Oil Company, The. Service station. 301,169, 5-16-89, Cl. D25-56.000.

Bass, Saul, to Standard Oil Company. Combined fuel pump and canopy structure for a service station. 302,820, 8-15-89, Cl. D15-9.200.

Bassett, I. Jay; and Case, Leo L., to Bassett, I. Jay. Combined tank and cover assembly for use in electrodeposition coating operations. 303,282, 9-5-89, Cl. D23-200.000.

Bastyr, Charles A.: *See—*

- Ross, Stephen O.; and Bastyr, Charles A., 305,208, Cl. D10-46.000.

Batchelor, Douglas R., to Libman Broom Company. Wringer sponge mop. 302,759, 8-8-89, Cl. D32-44.000.

Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., to Dart Industries Inc. Toy polar bear or the like. 305,140, 12-19-89, Cl. D21-159.000.

Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., to Dart Industries Inc. Toy lion or the like. 305,141, 12-19-89, Cl. D21-163.000.

Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., to Dart Industries Inc. Toy giraffe or the like. 305,142, 12-19-89, Cl. D21-164.000.

Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., to Dart Industries Inc. Toy rhinoceros or the like. 305,251, 12-26-89, Cl. D21-148.000.

Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., to Dart Industries Inc. Toy elephant or the like. 305,254, 12-26-89, Cl. D21-162.000.

Bates, Kenneth R. Fishing lure. 304,066, 10-17-89, Cl. D22-129.000.

Bates Manufacturing Company: *See—*

- Leszczak, John; and Staubitz, Robert B., 304,734, Cl. D19-76.000.
- Leszczak, John; and Staubitz, Robert B., 304,735, Cl. D19-76.000.
- Leszczak, John; Staubitz, Robert B.; and Valls, William H. 304,903, Cl. D8-50.000.

Bates, Norman R. Sole for cast shoe. 299,787, 2-14-89, Cl. D2-319.000.

Batiz, Ambrose. Cutting apparatus. 300,494, 4-4-89, Cl. D7-47.000.

Battersby, James R.: *See—*

- Smith, Edward L.; and Battersby, James R., 302,335, Cl. D26-139.000.

Batts, Inc.: *See—*

- Blanchard, Russell O., 299,593, Cl. D6-319.000.

Batzel, Charles. Support pad for a recreational vehicle jack or the like. 304,575, 11-14-89, Cl. D34-31.000.

Bauer, Linda M.: *See—*

- Hoke, Merle C.; Harvey, John W.; and Bauer, Linda M., 302,737, Cl. D26-88.000.

Bauer, Robert J., to Abbott Laboratories. Immunoassay test kit or the like. 299,744, 2-7-89, Cl. D24-17.000.

Baum, Karl B.: *See—*

- Thornburg, Bruce; and Baum, Karl B., 300,909, Cl. D10-60.000.

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- Glauser, Jean-Francois, 302,797, Cl. D10-32.000.

Baus, Heinz G. Mirrored cabinet. 303,894, 10-10-89, Cl. D6-559.000.

Baus, Heinz G. Mirrored cabinet. 303,895, 10-10-89, Cl. D6-559.000.

Baus, Heinz G. Mirrored cabinet. 303,896, 10-10-89, Cl. D6-561.000.

Baus, Heinz G. Mirrored cabinet. 304,273, 10-31-89, Cl. D6-559.000.

Baus, Heinz G. Combined mirrored cabinet and lights. 304,274, 10-31-89, Cl. D6-561.000.

Baus, Heinz G. Mirrored cabinet. 304,792, 11-28-89, Cl. D6-559.000.

Bausch & Lomb Incorporated: *See—*

- Huckenbeck, Claus O., 300,038, Cl. D16-132.000.
- Huckenbeck, Claus O., 300,039, Cl. D16-132.000.
- Ramp, Robert H., 300,226, Cl. D16-102.000.

Baut, Eugene: *See—*

- Moran, Thomas H.; and Baut, Eugene, 302,324, Cl. D26-59.000.

Baxter International Inc.: *See—*

- Kulle, Lee K.; and Ahern, Mary A., 302,304, Cl. D24-53.000.
- Wyzgala, Mark; and Morizio, Thomas E., 301,742, Cl. D24-52.000.

Baxter, James A., to Chromacol Limited. Vial support sleeve. 299,954, 2-21-89, Cl. D24-29.000.

Baxter, James A., to Chromacol Limited. Sample vial plug. 301,117, 5-16-89, Cl. D9-439.000.

Baxter, James A., to Chromacol Limited. Sample vial plug. 301,118, 5-16-89, Cl. D9-439.000.

Baxter, James A., to Chromacol Limited. Vial support sleeve. 302,591, 8-1-89, Cl. D24-29.000.

Baxter, James A., to Chromacol Limited. Sample vial. 302,722, 8-8-89, Cl. D24-8.000.

Baxter, James A., to Chromacol Limited. Vial support sleeve. 304,972, 12-5-89, Cl. D24-29.000.

Baxter, James A., to Chromacol Limited. Vial support sleeve. 304,973, 12-5-89, Cl. D24-29.000.

Baxter, James A., to Chromacol Limited. Sample vial. 304,997, 12-12-89, Cl. D9-349.000.

Baxter Travenol Laboratories, Inc.: *See—*

- Bellotti, Marc; Murphey, Randy K.; and Taylor, Larry C., 300,177, Cl. D24-52.000.
- Long, Warren M.; Karkar, Maurice N.; and Tunberg, Bruce A., 302,299, Cl. D24-29.000.
- Rodriguez, Richard, Jr.; and Israel, Joseph, 302,347, Cl. D2-208.000.

Bayard, Yves: *See—*

- Sosno, Sacha; Vidal, Henri; and Bayard, Yves, 299,540, Cl. D25-5.000.

Bayerische Motoren Werke Aktiengesellschaft: *See—*

- Spada, Ercole; and Luthe, Claus, 302,595, Cl. D26-28.000.

Baynes, John M.: *See—*

- Meeker, Marlene F.; and Baynes, John M., 304,041, Cl. D21-20.000.

Bayouth, William S., Jr. Restaurant building. 303,842, 10-3-89, Cl. D25-33.000.

Beach, Raymond D. Toothbrush. 300,284, 3-21-89, Cl. D4-104.000.

Beach, Stanley H.; and Schmidt, Wallace E., to Maytag Corporation. Stove top. 303,604, 9-26-89, Cl. D7-346.000.

Bear, Thomas W.; Jessup, James L.; Pielemeier, Rolf; and Pielemeier, William J., to Tech-S, Inc. Combined data entry terminal and card reader. 302,550, 8-1-89, Cl. D14-105.000.

Beardsley, Michael L. Burial casket. 300,579, 4-4-89, Cl. D99-7.000.

Beaton, Larry G.; McClain, Kevin T.; Vitelio, Jonathan J., Wetzel, Timothy D.; and Williams, Roger C., to International Business Machines Corporation. Computer display. 304,179, 10-24-89, Cl. D14-113.000.

Beatty, Frank W. Playground climber and rocker. 300,342, 3-21-89, Cl. D21-245.000.

Beatty, Jack, to Beatty Machine and Tool Works Limited. Paint tray. 302,614, 8-1-89, Cl. D32-53.100.

Beatty Machine and Tool Works Limited: *See—*

- Beatty, Jack, 302,614, Cl. D32-53.100.

Beauparlant, Leslie: *See—*

- Moore, Ann A., 305,078, Cl. D3-32.000.

Beaver, Richard C., to American Electronics, Inc. Surveillance camera housing. 303,675, 9-26-89, Cl. D16-203.000.

Beaver, Ted L., to Continental Plastic Containers, Inc. Container body for liquids and the like. 301,306, 5-30-89, Cl. D9-375.000.

Beaver, Ted L., to Continental Plastic Containers, Inc. Container body for liquids and the like. 303,628, 9-26-89, Cl. D9-375.000.

Beaver, Ted L., to Continental Plastic Containers, Inc. Container body for liquids or the like. 304,423, 11-7-89, Cl. D9-376.000.

Bechtold, Stephen K. Skylight or similar article. 299,961, 2-21-89, Cl. D25-52.000.

Beck, David F. Sign board 303,814, 10-3-89, Cl. D20-39.000.

Becker, Charles P., Jr. Fireplace surround. 300,356, 3-21-89, Cl. D23-404.000.

Becker, Charles P., Jr. Fireplace surround. 300,461, 3-28-89, Cl. D23-404.000.

Beckerer, Frank S., Jr. Boat window. 304,572, 11-14-89, Cl. D12-317.000.

Beckett, Robert F. Motorcycle seat. 301,409, 6-6-89, Cl. D6-354.000.

Beckwith, Dennis. Stand for holding bananas. 300,790, 4-25-89, Cl. D6-462.000.

Becton, Dickinson and Company: *See—*

- McMenamy, James P.; and Montferret, John J., 302,589, Cl. D24-24.000.
- McMenamy, James P.; and Montferret, John J., 303,290, Cl. D24-24.000.
- Novak Robert M., 302,043, Cl. D24-56.000.

Beecher, John, III: *See—*

- Tucker, James E.; and Beecher, John, III, 299,996, Cl. D7-105.000.
- Tucker, James E.; and Beecher, John, III, 299,997, Cl. D7-106.000.

Beechuk, Timothy J.; and Ross, Samuel, to Procter & Gamble Company, The. Bottle. 302,247, 7-18-89, Cl. D9-376.000.

Beechuk, Timothy J.; and Blocksom, Dutro, to Procter & Gamble Company, The. Bottle. 303,630, 9-26-89, Cl. D9-376.000.

Been, Thomas S., to NEV/AL, Inc. Valve housing. 300,171, 3-7-89, Cl. D23-233.000.

Beeren, Aloysius J. M., to U.S. Philips Corporation. Carafe. 302,926, 8-22-89, Cl. D7-317.000.

Beeren, Aloysius J. M., to U.S. Philips Corporation. Coffee maker. 304,408, 11-7-89, Cl. D7-309.000.

Beeren, Aloysius J. M., to U.S. Philips Corporation. Coffeemaker. 304,409, 11-7-89, Cl. D7-309.000.

Behnk, Bernd D., to Coscom Datentechnik GmbH & Co. Computer KG. Acoustic coupler for transmitting data by way of a telephone. 299,457, 1-17-89, Cl. D14-242.000.

Behringer, John W. Radio receiver. 304,944, 12-5-89, Cl. D14-188.000.

Beidler, David B.: *See—*

- Anderson, Carl J.; Cronrath, Scott J.; and Beidler, David B., 299,639, Cl. D13-10.000.

Beirise, Jean; and Coons, John, to Herman Miller, Inc. Shelf or the like. 301,424, 6-6-89, Cl. D6-574.000.

Beistegui, Jose L., to B.H., S.A. Exercise cycle. 302,990, 8-22-89, Cl. D21-194.000.

Bel Air Tool Corp.: *See—*

- Alviti, Steven R., 301,120, Cl. D11-2.000.

Belash, Alexis L. Clip-type fastener. 302,242, 7-18-89, Cl. D8-395.000.

Beleckis, Vytautas K., to Dennison National Company. Combined pad holder and file folder. 299,932, 2-21-89, Cl. D19-26.000.

Bell, David E.; and Babbs, Dennis G., to Cooper Industries, Inc. Curtain rod. 301,305, 5-30-89, Cl. D8-376.000.

Bell, George, to Amrex-Zetron, Inc. Electronic nerve stimulator unit. 302,302, 7-18-89, Cl. D24-40.000.

Bell, George, to Amrex-Zetron, Inc. Electronic nerve stimulator unit. 302,303, 7-18-89, Cl. D24-40.000.

Bell, Graham J.; and Everts, Ramon L., to Ford Motor Company. Wheel cover. 302,968, 8-22-89, Cl. D12-211.000.

Bell, Graham J.; and Everts, Ramon L., to Ford Motor Company. Wheel cover. 303,517, 9-19-89, Cl. D12-211.000.

Bell Helmets, Inc.: *See—*

- Broersma, Lester V., 300,070, Cl. D29-14.000.

Bell & Howell Company: *See—*

- Bain, Charles E., 300,747, Cl. D15-147.000.
- Bain, Charles E., 301,150, Cl. D15-147.000.

Bell, Ted A.; and Lehner, Daniel F., to Pretty Products, Inc. Console caddy for automotive trucks. 302,355, 7-25-89, Cl. D3-40.000.

Bell, Ted A.; and Lehner, Daniel F., to Pretty Products, Inc. Console caddy for automobiles. 302,356, 7-25-89, Cl. D3-40.000.

Bell, Ted A.: *See—*

- Lehner, Daniel F.; and Bell, Ted A., 302,416, Cl. D12-203.000.
- Lehner, Daniel F.; and Bell, Ted A., 302,417, Cl. D12-203.000.

Bellandi, Edward A.: *See—*

- Post, Steven W.; and Bellandi, Edward A., 304,757, Cl. D23-226.000.

Belletire, Steven P.; and Gresens, Stanley T., to Attwood Corporation. Navigational boat light. 300,865, 4-25-89, Cl. D26-28.000.

Belletire, Steven P.; and Gresens, Stanley T., to Minnesota Mining and Manufacturing Company. Pen-like dispenser. 302,176, 7-11-89, Cl. D19-66.000.

Bellini, Carlo; and Ferreri, Marco, to Luxo Italina S.p.A. Table lamp. 301,635, 6-13-89, Cl. D26-98.000.

Bellini, Mario. Combined handle and escutcheon for doors, windows, or the like. 300,299, 3-21-89, Cl. D8-301.000.

Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Correcting ribbon cartridge. 303,122, 8-29-89, Cl. D18-12.000.

Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Printing ribbon cartridge. 305,242, 12-26-89, Cl. D18-12.000.

Bellini, Mario, to Ing. C. Olivetti & C., S.p.A. Printing ribbon cartridge. 305,243, 12-26-89, Cl. D18-12.000.

Bellotti, Marc; Murphey, Randy K.; and Taylor, Larry C., to Baxter Travenol Laboratories, Inc. Spike connector with reverse taper. 300,177, 3-7-89, Cl. D24-52.000.

Belszek, Henry, to National Icee Corporation. Modular merchandising booth. 299,891, 2-21-89, Cl. D6-396.000.

Bemis, Jon L.: *See—*

- Brown, Paul D.; Le, Tuan N.; and Bemis, Jon L., 300,282, Cl. D2-314.000.

Bemis Manufacturing Company: *See—*

- Bemis, Richard A., 304,493, Cl. D24-8.000.

Bemis, Richard A., to Bemis Manufacturing Company. Container for disposing of hypodermic needles and other sharp medical items. 304,493, 11-7-89, Cl. D24-8.000.

Bench, Ronald W.; and Duell, Richard J., to Carrier Corporation. Electronic control module enclosure. 304,929, 12-5-89, Cl. D13-12.000.

Bench, Ronald W.; and Duell, Richard J., to Carrier Corporation. Electronic control module enclosure. 305,021, 12-12-89, Cl. D13-12.000.

Bendickson, Roy B.; and Seaton, Robert A., to Fiskars Oy Ab. Knife. 305,257, 12-26-89, Cl. D22-118.000.

Bendickson, Roy B.: *See—*

- Collins, Walter W.; Bendickson, Roy B.; and Seaton, Robert A., 305,090, Cl. D8-4.000.

Benefield, Ulon C. Gable vent. 303,705, 9-26-89, Cl. D23-387.000.

Benfield, Bruce V.; Benfield, Peter J.; Pyyvaara, Tim T.; Bishop, Victor L.; and Speck, Stuart L., to Heatshield PTY. Ltd. Fireplace. 304,227, 10-24-89, Cl. D23-344.000.

Benfield, Peter J.: *See—*

- Benfield, Bruce V.; Benfield, Peter J.; Pyyvaara, Tim T.; Bishop, Victor L.; and Speck, Stuart L., 304,227, Cl. D23-344.000.

Bengtsson, Herta A., to American Standard Inc. Combined water control handle and escutcheon. 301,276, 5-23-89, Cl. D23-254.000.

Bengtsson, Per A. B.; and Agren, Leif. Automatic candle snuffer. 305,264, 12-26-89, Cl. D26-23.000.

Benichou, Isaac. Combined toothbrush and cover therefor. 303,733, 10-3-89, Cl. D4-108.000.

Benit, Brad J.: *See—*

- Rumbaugh, James T.; and Benit, Brad J., 302,845, Cl. D22-142.000.
- Rumbaugh, James T.; and Benit, Brad J., 302,846, Cl. D22-142.000.
- Rumbaugh, James T.; and Benit, Brad J., 302,847, Cl. D22-142.000.

Benjamin, Burton, to QL Inc. Post top luminaire. 301,175, 5-16-89, Cl. D26-67.000.

Benke, Wolfgang, to Westfalische Metall Industrie KG Huec & Co. Front face of a vehicle hub cap. 304,321, 10-31-89, Cl. D12-204.000.

Bennett, Robert A., to R. J. S. Industries, Inc. Disposable cosmetic applicator and container thereof. 304,094, 10-17-89, Cl. D28-7.000.

Benoit, Donna J. Baby bottle. 302,469, 7-25-89, Cl. D24-47.000.

Benoit, Gordon L., to Mobil Oil Corporation. Pack of guesseted bags. 302,112, 7-11-89, Cl. D9-305.000.

Benoit-Pequignet, Emile M.; and Viennet, Jean-Pierre L., to Montres Emile Pequignet. Wristwatch. 301,983, 7-4-89, Cl. D10-32.000.

Benoit-Pequignet, Emile M.; and Viennet, Jean-Pierre L., to Montres Emile Pequignet. Wristwatch. 301,984, 7-4-89, Cl. D10-32.000.

Benoit-Pequignet, Emile M.; and Viennet, Jean-Pierre L., to Montres Emile Pequignet. Wristwatch. 301,985, 7-4-89, Cl. D10-32.000.

Benson, Mark W. Baby bib. 304,875, 12-5-89, Cl. D2-226.000.

Benson, Timothy A.; and Gagnon, Peter R., to GTE Products Corporation. Reflector-type electric lamp or the like. 301,069, 5-9-89, Cl. D26-2.000.

Bentz Metal Products, Company, Inc.: *See—*
  Bentz, Richard A., 304,915, Cl. D12-96.000.

Bentz, Richard A., to Bentz Metal Products, Company, Inc. Sleeper cab for cargo trucks. 304,915, 12-5-89, Cl. D12-96.000.

Benyo, John R.: *See—*
  Scheid, William J.; McKee, John M.; Kurcbart, Robert; Ranalletta, Joseph V.; Benyo, John R.; and Toth, Richard J., 303,969, Cl. D14-191.000.

Berendsen, Robert W.; and Skrewlowski, David, to Berendsen, Robert W. Combined toothbrush and packaging closure. 301,400, 6-6-89, Cl. D4-108.000.

Berendsen, Robert W.; and Skrewlowski, David, to Berendsen, Robert W. Combined toothbrush and toothpaste dispensing unit and packaging closure. 301,401, 6-6-89, Cl. D4-108.000.

Berg, Bernt L. Clothes hanger. 301,090, 5-16-89, Cl. D6-317.000.

Berg, Mike; Balko, John; and Mervis, Alex. Trailer hitch alignment device. 299,490, 1-24-89, Cl. D12-162.000.

Bergagnini, Sergio. Fence. 300,363, 3-21-89, Cl. D25-42.000.

Berger, Andy L., to Superwares, Inc. Magnetic disc clip. 302,568, 8-1-89, Cl. D19-65.000.

Berger, Hugo, to Charles Wilhelm et Cie, S.A. Wristwatch. 303,637, 9-26-89, Cl. D10-39.000.

Berger, Johann; and Berger, Josef. Belting for safety belt. 300,581, 4-11-89, Cl. D2-635.000.

Berger, Josef: *See—*
  Berger, Johann; and Berger, Josef, 300,581, Cl. D2-635.000.

Berger, William G.: *See—*
  Shershen, Eugene D.; Berger, William G.; and Welliver-Berger, Barbara, 301,593, Cl. D21-54.000.

Bergeson, Richard P., to Maytag Corporation. Washing machine agitator. 300,969, 5-2-89, Cl. D32-26.000.

Berghash, Robert D.; and Jachimowicz, Dan A., to Brimms Inc. Toy musical instrument. 300,438, 3-28-89, Cl. D21-64.000.

Bergman, Hans: *See—*
  Helstab, Edmond J.; Brown, Michael; Winlow, Thomas A.; and Bergman, Hans, 302,977, Cl. D14-115.000.

Bergman, Mark W., to Harber, Inc. Infant's feeding spoon. 302,090, 7-11-89, Cl. D7-141.000.

Bergman, Mark W., to Harber, Inc. Infant's feeding spoon. 302,091, 7-11-89, Cl. D7-141.000.

Bergman, Mark W. Infant's feeding spoon. 302,510, 8-1-89, Cl. D7-141.000.

Bergman, Mikael: *See—*
  Maddock, Peter; Orn, Jan; Porsander, Thord; Bergman, Mikael; and Tellden, Leif, 300,935, Cl. D15-199.000.

Bergstedt, Donald C. Battery tester. 304,426, 11-7-89, Cl. D10-77.000.

Bergstrom, Leif: *See—*
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Berkley, Inc.: *See—*
  Rumbaugh, James T.; and Benit, Brad J., 302,845, Cl. D22-142.000.
  Rumbaugh, James T.; and Benit, Brad J., 302,846, Cl. D22-142.000.
  Rumbaugh, James T.; and Benit, Brad J., 302,847, Cl. D22-142.000.

Berndt, Dieter R., to Vision Care Research Labs., Inc. Eye examination scope with access orifice in eye cup. 303,145, 8-29-89, Cl. D24-17.000.

Bernstein, Lawrence A. Wheelchair. 299,326, 1-10-89, Cl. D12-131.000.

Bernstein, Michael. Motorcycle oil gauge fitting. 301,703, 6-20-89, Cl. D12-114.000.

Berry, Bernie B., Jr. Surgical bone rasp. 304,372, 10-31-89, Cl. D24-26.000.

Bertleson, Peter C.: *See—*
  Bethune, William; Pikor, Steven J.; Bertleson, Peter C.; and LePage, Bernard E., 300,978, Cl. D99-1.000.

Bertram, James A.: *See—*
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Bertrand, Vic, to Ritvik Group Inc., The. Toy construction block. 303,689, 9-26-89, Cl. D21-108.000.

Bertrand, Vic, to Ritvik Group Inc., The. Axle element for a construction toy. 304,220, 10-24-89, Cl. D21-141.000.

Bertrand, Vic, to Ritvik Group Inc., The. Connector element for a construction toy. 304,471, 11-7-89, Cl. D21-141.000.

Bertschmann, Hans. Wine selector. 302,565, 8-1-89, Cl. D19-59.000.

Besasie, Joseph C.; Wagner, Donald R.; and Koss, Michael J., to Koss Corporation. Stereophone or similar article. 301,145, 5-16-89, Cl. D14-205.000.

Bessec, Jean-Pierre; and Nodin, Michel, to Sporloisirs S.A. Shoe. 300,180, 3-14-89, Cl. D2-268.000.

Best Chairs, Inc.: *See—*
  Lange, Clement M., Jr., 304,393, Cl. D6-334.000.

Best, James J. Draft intensifier for a fireplace chimney. 299,529, 1-24-89, Cl. D23-373.000.

Best Lock Corporation: *See—*
  Foshee, William R.; and Nixon, Duane B., 301,116, Cl. D8-331.000.

Best, Melvin H. M.; Allemann, James G.; and Mayr, Paul G., to Rain Bird Consumer Products Mfg. Corp. Oscillating wave lawn sprinkler. 303,283, 9-5-89, Cl. D23-216.000.

Best, Philip C.; and Ross, Samuel, to Procter & Gamble Company, The. Bottle. 302,524, 8-1-89, Cl. D9-376.000.

Bethany, Elizabeth A. Dental floss holder. 301,770, 6-20-89, Cl. D28-64.000.

Bethune, William; Pikor, Steven J.; Bertleson, Peter C.; and LePage, Bernard E. Burial vault. 300,978, 5-2-89, Cl. D99-1.000.

Bettess, Peter D., to Micro-Shuttle Australia Pty. Ltd. Cart for use as stand or work station table. 304,112, 10-17-89, Cl. D34-21.000.

Betts, Donald W., to Betts Tackle Ltd. Fishing lure. 299,675, 1-31-89, Cl. D22-128.000.

Betts, Donald W., to Betts Tackle Ltd. Fishing lure. 299,676, 1-31-89, Cl. D22-128.000.

Betts Tackle Ltd.: *See—*
  Betts, Donald W., 299,675, Cl. D22-128.000.
  Betts, Donald W., 299,676, Cl. D22-128.000.

Beuchat, Roland, to Synertrade and Finance S.A. Safety razor handle. 302,739, 8-8-89, Cl. D28-48.000.

Beuchat, Roland, to Synertrade and Finance S.A. Safety razor. 302,869, 8-15-89, Cl. D28-46.000.

Beuchat, Roland, to Synertrade and Finance S.A. Safety razor. 304,772, 11-21-89, Cl. D28-46.000.

Beuchat, Roland, to Synertrade and Finance S.A. Safety razor. 304,773, 11-21-89, Cl. D28-46.000.

Beverly Hills Trading Company, Inc.: *See—*
  Rezek, Ron, 304,229, Cl. D23-377.000.

Beverly, Keith J. Shelf-mounted rack. 303,332, 9-12-89, Cl. D6-513.000.

Bevilacqua, Romolo A. Barbecue grill cleaner. 304,892, 12-5-89, Cl. D7-99.000.

Bevins, Vanis. Combined timepiece and sun compass. 302,124, 7-11-89, Cl. D10-2.000.

Bevins, Vanis. Combined timepiece and sun compass. 302,125, 7-11-89, Cl. D10-2.000.

Beyer, Eric L., to RCA Licensing Corporation. Portable radio. 301,846, 6-27-89, Cl. D14-163.000.

Bianchi, Antonio. Table lamp. 303,848, 10-3-89, Cl. D26-65.000.

Bianchini, William: *See—*
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Biasotti, Mark A. Video game console. 303,127, 8-29-89, Cl. D21-48.000.

Bice, Randall L. Fishing rod. 301,601, 6-13-89, Cl. D22-142.000.

Biddle, Ernest, to King Tester Corporation. Hardness testing block. 304,427, 11-7-89, Cl. D10-83.000.

Bienwald, Wolfgang F.: *See—*
  Justiano, Joseph G.; and Bienwald, Wolfgang F., 302,422, Cl. D13-24.000.
  Pearse, James N.; and Bienwald, Wolfgang F., 301,675, Cl. D1-14.000.

Biggs, Robert K. Dual mail carrier bag. 302,073, 7-11-89, Cl. D3-30.100.

Bigo, Jean; and Pasquini, Henri, to Ampafrance S.A. Stroller. 305,012, 12-12-89, Cl. D12-129.000.

Bigo, Jean; and Pasquini, Henri, to Ampafrance S.A. Baby carriage. 305,013, 12-12-89, Cl. D12-129.000.

Biku Industries, Inc.: *See—*
  Rubio, Hugo; Riaz, Mohammad; and Patel, Bhikhabhai A., 305,134, Cl. D21-81.000.

Billings, Calvert W. Dryer for polished toenails. 300,960, 5-2-89, Cl. D28-58.000.

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Binagraphics, Inc.: *See—*
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Binkley, Christopher H.: *See—*
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,699, Cl. D19-26.000.
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,830, Cl. D19-26.000.
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 304,343, Cl. D19-26.000.

Binzer, Thomas J., to General Electric Company. Combined grate and drip pan assembly for a gas cooking appliance. 301,534, 6-13-89, Cl. D7-408.000.

Binzer, Thomas J., to General Electric Company. Grate for gas cooking appliance. 303,609, 9-26-89, Cl. D7-408.000.

BioClinical Systems, Inc.: *See—*
  Powers, John H., 301,737, Cl. D24-8.000.

BioControl Systems, Inc.: *See—*
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Bionique Laboratories, Inc.: *See—*
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Biotrack, Inc.: *See—*
  Hillman, Robert S., 302,294, Cl. D24-21.000.

Biotteau, Gerard, to Societe T.B.S. Industrie (SARL). Electric teller terminal. 304,330, 10-31-89, Cl. D14-105.000.

Bird Chef Co., Inc., The: *See—*
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Birdsall, Linnette: *See—*
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Birks, Gary E. Curling iron. 300,375, 3-21-89, Cl. D28-35.000.

Bisbing, Robert H., to Southco, Inc. Lift-off hinge. 303,491, 9-19-89, Cl. D8-323.000.

Bisbing, Robert H., to Southco, Inc. Offset style lift-off hinge. 303,492, 9-19-89, Cl. D8-323.000.

Bisha, Jon; and Aten, Michael R., to Fisher Scientific Company. Dual channel IV infusion pump. 305,060, 12-12-89, Cl. D24-8.000.

Bisha, Jon, to Fisher Scientific Group Inc. Combined IV tube slide clamp and associated peristaltic pumping chamber. 305,151, 12-19-89, Cl. D24-29.000.

Bishop, Maurice E. T-nut workholder clamp. 302,277, 7-18-89, Cl. D15-140.000.

Bishop, Thomas J., to Saab-Scania of America, Inc. Organizer. 2[illegible]91, 2-14-89, Cl. D3-58.000.

Bishop, Victor L.: *See—*
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Bissell Inc.: *See—*
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  Goodrich, Gordon W., 303,172, Cl. D32-21.000.

Black & Decker Inc.: *See—*
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  Currie, Neil A., 301,966, Cl. D8-62.000.
  Drought, Nicholas A. M.; and Vallis, Keith, 299,618, Cl. D8-359.000.
  Gierke, Martin P., 300,920, Cl. D13-8.000.
  Gierke, Martin P., 302,971, Cl. D13-8.000.
  Gierke, Martin P.; and Somers, Robert L., 303,205, Cl. D8-61.000.
  Naft, Stuart, 303,477, Cl. D7-73.000.
  Price, Scott D., 299,640, Cl. D13-8.000.
  Price, Scott D.; and Somers, Robert I., 301,887, Cl. D15-7.000.
  Sciffert, Florian, 304,541, Cl. D7-309.000.
  Somers, Robert I., 303,347, Cl. D8-68.000.
  Somers, Robert I.; and Gierke, Martin P., 304,543, Cl. D8-61.000.
  Zurwelle, Donald W., 300,501, Cl. D8-67.000.
  Zurwelle, Donald W., 301,199, Cl. D8-70.000.
  Zurwelle, Donald W., 304,287, Cl. D8-68.000.

Black, Joseph K., to Kelsey Hayes Company. Vehicle wheel center. 302,146, 7-11-89, Cl. D12-211.000.

Black, Robert R.: *See—*
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Blackburn, James R., to Jim Blackburn Designs, Inc. Bicycle front rack. 299,225, 1-3-89, Cl. D12-158.000.

Blackburn, James R., to Jim Blackburn Designs, Inc. Bicycle rear rack. 299,818, 2-14-89, Cl. D12-158.000.

Blair, Mark S.; Nichols, Melvin S.; Bertram, James A.; and Saltz, Jeffrey B., to Cessna Aircraft Company, The. Product display kiosk. 302,220, 7-18-89, Cl. D6-470.000.

Blakesley, Robert W.: *See—*
  Flesher, Robert W.; Barnes, Kevin J.; Blakesley, Robert W.; and Lynn, Robert W., 303,007, Cl. D24-8.000.
  Flesher, Robert W.; Barnes, Kevin T.; Blakesley, Robert W.; and Lynn, Robert W., 303,012, Cl. D24-31.000.

Blance, Andrew J.: *See—*
  Weinz, Sandor F.; and Blance, Andrew J., 299,716, Cl. D14-141.000.
  Weinz, Sandor F.; and Blance, Andrew J., 301,337, Cl. D14-217.000.

Blanchard, Russell O., to Batts, Inc. Garment hanger. 299,593, 1-31-89, Cl. D6-319.000.

Blanco, Francesco, to Hospal Ltd. Blood circuit for monitoring and controlling the blood flow during extracorporeal blood treatment. 299,533, 1-24-89, Cl. D24-21.000.

Bland, Donald L.: *See—*
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Blankenship, Billy; and Blankenship, Roxanne M. Coal truck toy. 302,573, 8-1-89, Cl. D21-134.000.

Blankenship, Roxanne M.: *See—*
  Blankenship, Billy; and Blankenship, Roxanne M., 302,573, Cl. D21-134.000.

Blaser, Dean B., to Potter, Inc. Display tray for fruit or the like. 304,536, 11-14-89, Cl. D7-27.000.

Blasiak, Marek. Protective mask. 302,606, 8-1-89, Cl. D29-9.000.

Blasiman, Gerald A. Stuffed maple leaf toy figure. 305,136, 12-19-89, Cl. D21-155.000.

Blasiman, Gerald A. Stuffed sweet gum leaf toy figure. 305,137, 12-19-89, Cl. D21-155.000.

Blasiman, Gerald A. Stuffed oak leaf toy figure. 305,138, 12-19-89, Cl. D21-155.000.

Blasiman, Gerald A. Stuffed tulip leaf toy figure. 305,139, 12-19-89, Cl. D21-155.000.

Blauvelt, William E. Reamer for drilling water wells and the like. 300,143, 3-7-89, Cl. D15-21.000.

Blaya, Angel S.: *See—*
  Alvarez, Juan A. Castillo; Ruiz, Andres L.; Vallejo, Vicente D.; and Blaya, Angel S., 300,135, Cl. D14-146.000.

Bleakley, David M. Pin for locking or stopping a sliding window sash. 302,382, 7-25-89, Cl. D8-343.000.

Blendax-Werke, R. Schneider GmbH & Co.: *See—*
  Kirberger, Robert, 302,076, Cl. D4-104.000.

Bleschet, Bernard; and Assenat, Jean-Marie, to Assenat-Bleschet. Spectacles. 302,696, 8-8-89, Cl. D16-102.000.

Bleske, Randy J.: *See—*
  Muller, Peter H.; Lowe, Peter E.; and Bleske, Randy J., 304,935, Cl. D14-107.000.
  Muller, Peter H.; Lowe, Peter E.; and Bleske, Randy J., 304,936, Cl. D14-107.000.

Bleustein, Jeffrey L.; and Matre, Daniel A., to Harley-Davidson, Inc. Bicycle or similar article. 301,437, 6-6-89, Cl. D12-111.000.

Blewitt, Ruth. Housing for a handset telephone. 299,461, 1-17-89, Cl. D14-248.000.

Blinsinger, Curtis H. Freezable liquid container. 300,407, 3-28-89, Cl. D9-3[illegible]5.000.

Blispac Corp. A Florida Corporation: *See—*
  Hernandez, Carlos, 305,000, Cl. D9-415.000.

Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, to McPherson's Limited. Knife scabbard. 303,731, 10-3-89, Cl. D3-102.000.

Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, to McPherson's Limited. Utility knife or similar article. 303,921, 10-10-89, Cl. D8-98.000.

Blocksom, Dutro: *See—*
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Blom, Lars-Arne: *See—*
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Blom, Par-Stephan; and Blom, Lars-Arne, to Scanflex Medical AB. Hanger unit. 302,359, 7-25-89, Cl. D6-324.000.

Bloom, David H.; Camporese, Ralph; Kastilahn, William C.; and Welch, Robert J., to American Telephone and Telegraph Company, AT&T Teletype. Printer controller. 302,682, 8-8-89, Cl. D14-107.000.

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Blubaugh, Terry L., to Holmes-Halley Industries. Garage door hardware guard. 303,078, 8-29-89, Cl. D8-330.000.

Blue Box Toy Factory Limited: *See—*
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Blum, Dietmar, to Julius Blum Gesellschaft m.b.H. Combined drilling and insertion machine for furniture fittings. 302,821, 8-15-89, Cl. D15-132.000.

Blum, Jeffrey A.; and Sabhlok, Jatinder P., to General Foods Corp. Combined dome tray and cradle in sleeve package. 302,948, 8-22-89, Cl. D9-418.000.

Blum, Marvin D.; and Rubin, Robert I., to American Design Group, Inc. Display case. 300,394, 3-28-89, Cl. D6-471.000.

Blumenthal, Martin, to Century Products Company. Walker. 305,108, 12-19-89, Cl. D12-130.000.

BMR Investments, Inc.: *See—*
  Larson, Raymond L., 303,496, Cl. D9-370.000.
  Larson, Raymond L., 303,497, Cl. D9-370.000.

Boal, Charles. Combined leg support and therapy harness. 301,619, 6-13-89, Cl. D24-64.000.

Bobrick Washroom Equipment, Inc.: *See—*
  Hanna, Emmanuel A., 300,999, Cl. D6-574.000.
  Keck, Henry C.; and Fujitaki, Roy K., 302,871, Cl. D28-54.100.

Bobrowski, Louis G.; MacFarlane, Walter J.; and Valenti, Richard L., to Stanley Works, The. Hasp-type latch. 301,971, 7-4-89, Cl. D8-338.000.

Bobrowski, Louis G., to Stanley Works, The. Surface mounted latch bolt. 304,292, 10-31-89, Cl. D8-341.000.

Bob's Candies, Inc.: *See—*
  Young, Donald H., 304,803, Cl. D9-341.000.
  Young, Donald H., 304,804, Cl. D9-341.000.

Boeri, Cini. Coat hook. 301,407, 6-6-89, Cl. D6-323.000.

Bogar, Earl M., III. Fishing rod holder. 303,192, 9-5-89, Cl. D6-552.000.

Bogin, Florence, to Ruggels, Inc. Pastry food product. 301,380, 6-6-89, Cl. D1-129.000.

Bohler, Robert E., to St. Joe Lighting, Inc. Light fixture. 302,477, 7-25-89, Cl. D26-81.000.

Bohler, Robert E., to St. Joe Lighting, Inc. Light fixture. 302,478, 7-25-89, Cl. D26-81.000.

Bohler, Robert E., to St. Joe Lighting, Inc. Light fixture. 302,479, 7-25-89, Cl. D26-81.000.

Bohler, Robert E., to St. Joe Lighting, Inc. Light fixture. 302,736, 8-8-89, Cl. D26-81.000.

Boice, David L., Jr. Expandable trailer. 300,012, 2-28-89, Cl. D12-97.000.

Bojsen-Moller, Jan. Combined lumbar and back alignment support. 300,856, 4-25-89, Cl. D24-64.000.

Bolan, Michael L.; Scherpenberg, Francis A.; and Davies, William F., Jr., to Dallas Semiconductor Corporation. Portable memory module. 301,713, 6-20-89, Cl. D14-114.000.

Boldrini, Adolfo, to Ing. Enea Mattei S.p.A. Air compressor. 304,197, 10-24-89, Cl. D15-9.000.

Bolduc, Raymond Ernest: *See—*
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Boler, J. Leon. Game board. 299,934, 2-21-89, Cl. D21-34.000.

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  Grider, Sherman P., 300,048, Cl. D21-195.000.

Bolstad, Brian F.; and Zellmer, Craig A. Dispenser for disposable dental instrument trays. 303,707, 9-26-89, Cl. D24-10.000.

Bolvary, Kim T., to Bolvary, Kim T. Canopy for a motor vehicle. 304,025, 10-17-89, Cl. D12-156.000.

Bolzern, Carmen: *See*—
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Bonatrade International, Inc.: *See*—
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Bond Street, Ltd.: *See*—
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Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, 303,507, Cl. D10-106.000.
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Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, 305,210, Cl. D3-62.000.

Bongard, James A.; Delaney, Michael J.; Duncan, Eugene F.; Fredricks, Cheryl A.; Groves, John P.; Kalista, Daniel J.; Klingseisen, Paul; Lazzaro, Joseph; and Nadolski, Gregory L., to Eaton Corporation. Protective shroud for an electric cable. 301,333, 5-30-89, Cl. D13-13.000.

Bonko, Mark L., to Goodyear Tire & Rubber Company, The. Tire. 303,365, 9-12-89, Cl. D12-151.000.

Bonko, Mark L., to Goodyear Tire & Rubber Company, The. Tire. 303,366, 9-12-89, Cl. D12-151.000.

Bonko, Mark L.; and Lopp, Loran C., Jr., to Goodyear Tire & Rubber Company, The. Tire. 303,367, 9-12-89, Cl. D12-151.000.

Bonko, Mark L., to Goodyear Tire & Rubber Company, The. Tire. 303,779, 10-3-89, Cl. D12-151.000.

Bonko, Mark L., to Goodyear Tire & Rubber Company, The. Tire. 304,320, 10-31-89, Cl. D12-151.000.

Bonnar, William R.: *See*—
McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 304,105, Cl. D32-21.000.

Bonori, Giampiero, to Joren Marketing Ltd. Razor or similar article. 304,097, 10-17-89, Cl. D28-46.000.

Bonstead, Douglas L.; and Dixon, Herbert O., to Deflecta-Shield Corporation. Sun visor. 303,948, 10-10-89, Cl. D12-191.000.

Boone, David. Golf club head. 300,546, 4-4-89, Cl. D21-220.000.

Boone, David D., to Lynx Golf, Inc. Golf glove. 299,563, 1-24-89, Cl. D29-22.000.

Boone, Thomas M. Marble baseball game board. 299,255, 1-3-89, Cl. D21-11.000.

Boots Company plc: *See*—
Bresloff, Paul; Crunkhorn, Alan; and Khan, Karrar A., 302,337, Cl. D28-2.000.

Booty, Donald J., to Zelco Industries. Clock. 300,006, 2-28-89, Cl. D10-22.000.

Booty, Donald J., to Zelco Industries. Clock. 300,007, 2-28-89, Cl. D10-28.000.

Bootz, Terry: *See*—
Harken, Olaf T.; and Bootz, Terry, 299,181, Cl. D2-314.000.

Bordian, Jerry. Wall attachable bifurcated hook. 300,406, 3-28-89, Cl. D8-367.000.

Bore, Bjarne J. Animal feeder. 300,276, 3-14-89, Cl. D30-121.000.

Bore, Bjarne J. Animal feeder. 300,378, 3-21-89, Cl. D30-121.000.

Borgen, Arden L., to Borgen, Margaret Platt. Glass door. 305,067, 12-12-89, Cl. D25-48.000.

Borgen, Margaret Platt: *See*—
Borgen, Arden L., 305,067, Cl. D25-48.000.

Borromeo, Lucio, to 3 T S.p.A. Pedal crank for a bicycle. 299,221, 1-3-89, Cl. D12-123.000.

Borromeo, Lucio, to 3 T S.p.A. Stem for a bicycle handlebar. 300,014, 2-28-89, Cl. D12-118.000.

Borromeo, Lucio, to 3T S.p.A. Handlebar, especially for racing bicycle. 301,027, 5-9-89, Cl. D12-178.000.

Borromeo, Lucio, to 3T S.p.A. Combined nutcracker and bottle opener. 304,891, 12-5-89, Cl. D7-98.000.

Bosgal, Joseph T. Cycle strobe light. 301,174, 5-16-89, Cl. D26-28.000.

Boss, Karen. Oil candle. 302,862, 8-15-89, Cl. D26-11.000.

Bossart, Douglas W. Emergency inflatable belt. 302,874, 8-15-89, Cl. D29-6.000.

Boston Digital Corporation: *See*—
Linn, Thomas D., 301,585, Cl. D15-138.000.

Bosworth, Warren M., Jr., to FTM Corporation. Tennis racquet. 299,672, 1-31-89, Cl. D21-212.000.

Bothmann, William. Coffee filter lifter. 299,405, 1-17-89, Cl. D7-105.000.

Bott, John A. Luggage carrier. 300,018, 2-28-89, Cl. D12-157.000.

Bottcher, Charles E. Corner support bracket for plaques or the like. 303,942, 10-10-89, Cl. D11-164.000.

Boucher, Guy, to La Telemecanique Electrique. Housing for a programming terminal. 302,809, 8-15-89, Cl. D13-12.000.

Boucher, Guy, to La Telemecanique Electrique. Programmable controller. 302,972, 8-22-89, Cl. D13-12.000.

Bougher, Jerry D.: *See*—
Lortz, Allan R.; and Bougher, Jerry D., 303,232, Cl. D11-216.000.

Boulette, Robert E., III; and Perkins, Nicholas N. Fishing lure. 300,344, 3-21-89, Cl. D22-126.000.

Bounds, William E. Condiment mill. 304,142, 10-24-89, Cl. D7-53.000.

Bounds, William E. Condiment mill. 304,278, 10-31-89, Cl. D7-53.000.

Bounds, William E. Measuring spoon. 304,404, 11-7-89, Cl. D7-50.000.

Bourassa, Marcel J. Cremation urn display stand. 304,641, 11-14-89, Cl. D99-5.000.

Bourne, William G.: *See*—
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Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 302,499, Cl. D6-436.000.
Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 304,979, Cl. D6-422.000.
Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 304,980, Cl. D6-449.000.
Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 304,982, Cl. D6-479.000.
Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 305,186, Cl. D6-436.000.

Bover, Antonio G., to Girbau, S.A. Washing machine. 301,781, 6-20-89, Cl. D32-6.000.

Bover, Antonio G., to Girbau, S.A. Washing machine. 301,782, 6-20-89, Cl. D32-6.000.

Bowbeer, Grant R. N. Orthodontic appliance. 304,370, 10-31-89, Cl. D24-10.000.

Bowden, Emily D. Generic animal figure. 300,[illegible]1-89, Cl. D21-159.000.

Bowdoin Products, Inc.: *See*—
Bowdoin, Robert E., 302,967, Cl. D12-203.000.

Bowdoin, Robert E., to Bowdoin Products, Inc. Running board. 302,967, 8-22-89, Cl. D12-203.000.

Bowers, Michael. Hand held exerciser. 304,748, 11-21-89, Cl. D21-196.000.

Boweter, Michael, to NUWAVE Products Ltd. Hairbrush. 304,265, 10-31-89, Cl. D4-136.000.

Bowser Pumps Limited: *See*—
Willis, Karl, 300,553, Cl. D23-231.000.

Boxall, Stanley S. Beverage dispenser. 300,595, 4-11-89, Cl. D7-307.000.

Boyd, Bill E.: *See*—
Boyd, William D.; and Boyd, Bill E., 304,669, Cl. D8-22.000.

Boyd, Monty. Calibration port adaptor for a gas sensor. 302,950, 8-22-89, Cl. D10-94.000.

Boyd, William D.; and Boyd, Bill E. Adjustable wrench. 304,669, 11-21-89, Cl. D8-22.000.

Boyer, Elsie E. Handle for lotion applicator. 299,975, 2-21-89, Cl. D28-7.000.

Boyer, Harold R.; Braidt, Joseph W.; Gregory, Joseph A.; and Remsburger, Louis J., to International Business Machines Corporation. Cursor control for computer graphics workstation. 301,234, 5-23-89, Cl. D14-114.000.

Boyle-Midway Household Products, Inc.: *See*—
Banasiak, Joseph G., 302,390, Cl. D9-450.000.
Gatarz, Gregory M., 302,580, Cl. D23-208.000.
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Brackin, John F.: *See*—
Kamlukin, Igor; Brackin, John F.; and Freier, Edward, Jr., 303,804, Cl. D15-23.000.

Bradley, Mark D. Handle for a ratchet wrench. 299,612, 1-31-89, Cl. D8-25.000.

Bradley, Paul E.; and Nuttall, Michael J., to Microsoft Corporation. Computer mouse. 302,426, 7-25-89, Cl. D14-114.000.

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Brainard, Larry A. Ratchet wrench. 299,611, 1-31-89, Cl. D8-25.000.

Brainard, Robert H., to General Foods Corporation. Combined package and dispenser for extrusible comestibles. 303,760, 10-3-89, Cl. D9-306.000.

Brandes, John H.; and Phillips, Paul A., to Coca-Cola Company, The. Vending machine. 299,725, 2-7-89, Cl. D20-5.000.

Brandis, Phillip J., Jr. Canopy for a bed. 299,193, 1-3-89, Cl. D6-388.000.

Brandsma, Sies K., to U.S. Philips Corporation. Radio receiver. 305,234, 12-26-89, Cl. D14-194.000.

Branham, Douglas G.: *See*—
Webster, Emmett G.; Branham, Douglas G.; Howell, Edmund O.; and Hale, John K., 299,721, Cl. D15-11.000.

Bransky, Jeffrey D.: *See*—
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Bratasevec, Vid, to Iskra-Delta. Data processor housing with adjustable support for display monitor. 302,811, 8-15-89, Cl. D14-100.000.

Bratasevec, Vid, to Iskra-Delta-proizvodnja racunalniskih sistemov in inzeniring, p.o. Keyboard. 303,249, 9-5-89, Cl. D14-100.000.

Bratasevec, Vid, to Iskra-Delta, proizvodnja racunalniskih sistemov in inzeniring, p.o. Monitor. 303,255, 9-5-89, Cl. D14-113.000.

Braun Aktiengesellschaft: *See*—
Oberheim, Robert, 299,764, Cl. D28-35.000.
Ullmann, Roland, 305,159, Cl. D28-49.000.

Braun, M. Thomas; and Couch, Jerry L., to Braunco, Inc. Mirror unit for trucks or the like. 301,862, 6-27-89, Cl. D12-187.000.

Braunco, Inc.: *See*—
Braun, M. Thomas; and Couch, Jerry L., 301,862, Cl. D12-187.000.

Brawner, William H.; and Tiedge, Walter H. Combination wrench and screwdriver for skateboards. 304,898, 12-5-89, Cl. D8-26.000.

Brayak, Edward. Putter head or similar article. 303,275, 9-5-89, Cl. D21-217.000.

Breiding, Gregory S.; and Bruns, Eugene G., to Crown Equipment Corporation. Steering wheel. 305,223, 12-26-89, Cl. D12-176.000.

Breitinger, Russell L., to LDI Mfg. Co., Inc. Smoke director for a conveyor oven. 300,557, 4-4-89, Cl. D23-387.000.

Breitling Montres S.A.: *See*—
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Reidenbach, Jean; and Breitschmid, Hans, 299,497, Cl. D21-41.000.

Breitschwerdt, Werner; Mischke, Arthur; and Sacco, Bruno, to Daimler-Benz Aktiengesellschaft. Truck cab for trucks. 302,257, 7-18-89, Cl. D12-96.000.

Brell Mar Products, Inc.: *See*—
Norton, Don S., 299,188, Cl. D5-62.000.

Brembeck, Howard S.; and Swartzendruber, Ray E., to CTB, Inc. Poultry feeder. 302,750, 8-8-89, Cl. D30-122.000.

Bremmer, Gordon: *See*—
Tench, Wallace; Collins, Christopher; Petroff, Cvetan; and Bremmer, Gordon, 305,096, Cl. D8-99.000.

Brennan, Bernard. Vehicle bumper. 300,128, 3-7-89, Cl. D12-169.000.

Brennan, Paul L.: *See*—
Hughes, Steven W.; and Brennan, Paul L., 299,649, Cl. D14-248.000.

Brenner, Stanley S.; and Chase, Charles, to Leviton Manufacturing Company, Inc. Lockable mount for an electric lamp socket. 300,215, 3-14-89, Cl. D13-25.000.

Brentham, Jerry D. Forearm conditioner. 299,842, 2-14-89, Cl. D21-195.000.

Brentham, Jerry D. Jump-squat exerciser. 299,843, 2-14-89, Cl. D21-195.000.

Brentham, Jerry D. Unilateral hamstring exerciser. 299,844, 2-14-89, Cl. D21-195.000.

Brentham, Jerry D. Abdominal board. 300,337, 3-21-89, Cl. D21-195.000.

Brentham, Jerry D. Unilateral upright row. 300,442, 3-28-89, Cl. D21-195.000.

Brentham, Jerry D. Unilateral incline shoulder exerciser. 302,713, 8-8-89, Cl. D21-195.000.

Bresloff, Paul; Crunkhorn, Alan; and Khan, Karrar A., to Boots Company plc. Pharmaceutical tablet. 302,337, 7-18-89, Cl. D28-2.000.

Bressler, Peter W.; and Schneider, Eric A., to Clairol Incorporated. Lighted mirror. 303,044, 8-29-89, Cl. D6-308.000.

Breul, Jean-Pierre. Toy workbench. 302,030, 7-4-89, Cl. D21-121.000.

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Brewer, Charles A. Dental mirror. 300,850, 4-25-89, Cl. D24-13.000.

Brewer, David K.: *See*—
Brewer, Hannah S.; and Brewer, David K., 299,701, Cl. D10-91.000.

Brewer, Hannah S.; and Brewer, David K. Pocket size digital scale. 299,701, 2-7-89, Cl. D10-91.000.

Brickner, Louis C., Jr.; Skipworth, Jerry D.; and Ashworth, Steven W., to Delta International Machinery Corp. Table saw. 299,925, 2-21-89, Cl. D15-133.000.

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Earley, John R.; and Stewart, Paul, 304,817, Cl. D12-153.000.

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Himuro, Yasuo; and Sadohara, Toshihiro, 301,024, Cl. D12-147.000.
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Bridisco Limited: *See*—
Drane, John H., 300,528, Cl. D13-38.000.
Drane, John H., 302,545, Cl. D13-32.000.

Briggs, Albert T. Security door stop plate. 302,937, 8-22-89, Cl. D8-344.000.

Briggs, Kenneth W., Sr., to Rushman Draperies, Inc. Window shutter. 304,497, 11-7-89, Cl. D25-47.000.

Briggs, Robert W.; and Parks, John M., to Caterpillar Inc. Work vehicle having ground engaging belt drive apparatus. 302,276, 7-18-89, Cl. D15-24.000.

Brill, Susan, to Converse Inc. Outsole. 301,181, 5-23-89, Cl. D2-320.000.

Brill, Susan, to Converse Inc. Outsole. 302,351, 7-25-89, Cl. D2-320.000.

Brimms Inc.: *See*—
Berghash, Robert D.; and Jachimowicz, Dan A., 300,438, Cl. D21-64.000.
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Brinkmann International (Hong Kong) Limited: *See*—
Kung, Chi H.; and Lau, Wai M., 300,569, Cl. D26-42.000.
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BRIO AB: *See*—
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Briscoe, Jowel J., to B & J Welding Shop, Inc. Trash container cart. 303,306, 9-5-89, Cl. D34-5.000.

Briscoe, Robert J., to British Telecommunications public limited company. Data communications terminal for deaf and/or deaf-blind persons. 301,233, 5-23-89, Cl. D14-100.000.

Bristol, David A.: *See*—
Stephens, Thomas P.; Brown, William R.; and Bristol, David A., 302,729, Cl. D24-53.000.

Bristol-Myers Company: *See*—
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Briscoe, Robert J., 301,233, Cl. D14-100.000.
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Desbarats, Gus E., 304,588, Cl. D14-248.000.
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Britt, Edmund J.: *See*—
Sheehan, Terrence M.; Thomason, Jeffery W.; MacConkey, James S.; Reavis, Philip M., Jr.; and Britt, Edmund J., 303,805, Cl. D15-130.000.

Britten, F. C. Trailer simulating the physical impact of a head-on vehicular collision. 300,416, 3-28-89, Cl. D12-101.000.

Britz, Robert D.; and Utley, Steven L. Combined computer paper storage and dispensing container. 301,979, 7-4-89, Cl. D9-418.000.

Broadbent, Peter A.; and Revell, Ian T., to Hestair Kiddicraft Limited. Stacking toy duck. 302,989, 8-22-89, Cl. D21-160.000.

Broadbent, Peter A.: *See*—
Kay, Robert; and Broadbent, Peter A., 299,728, Cl. D21-64.000.

Broadus, Charles E., to Indco Incorporated. Combination tub and pail opener. 303,344, 9-12-89, Cl. D8-40.000.

Brock, A. Bartlett. Combination pencil and pen. 303,683, 9-26-89, Cl. D19-36.000.

Brock, Dennis. Microscope. 301,586, 6-13-89, Cl. D16-131.000.

Brock, Dennis. Microscope. 301,587, 6-13-89, Cl. D16-131.000.

Brockman, Anna M.: *See*—
Hance, Sheila D.; and Brockman, Anna M., 302,719, Cl. D21-237.000.

Broden, Lars: *See*—
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Broersma, Lester V., to Bell Helmets, Inc. Bicyclist's helmet. 300,070, 2-28-89, Cl. D29-14.000.

Broken Hill Proprietary Company Limited, The: *See*—
Dalli, Alan G.; and Revill, Peter L., 304,302, Cl. D[illegible]-138.000.

Brom, Stephen A. Arm swim fin. 300,341, 3-21-89, Cl. D21-239.000.

Bromberger, David. Shampoo water shield. 302,053, 7-4-89, Cl. D28-20.000.

Bronaugh, David E.: *See*—
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Brookes, Richard L. Self-sanitizing door handle. 299,309, 1-10-89, Cl. D8-300.000.

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Brooks, David A., to Spooner Est. Bag for a swimming pool cleaning apparatus. 302,058, 7-4-89, Cl. D32-35.000.

Brooks, Raymond P. Invalid's chair. 301,131, 5-16-89, Cl. D12-128.000.

Brooks, Richard R.; and Schaffeld, John H., to American Telephone and Telegraph Company; and AT&T Bell Laboratories. Telephone dialing apparatus. 304,726, 11-21-89, Cl. D14-149.000.

Brooks, Steve. Game board. 299,363, 1-10-89, Cl. D21-31.000.

Brosan, Michelle. Doll. 299,840, 2-14-89, Cl. D21-173.000.

Brother Kogyo Kabushiki Kaisha: *See*—
Itoh, Kazuo; Isaji, Yasuyo; Hirose, Noboru; and Nozu, Takashi, 302,163, Cl. D15-122.000.
Itoh, Kazuo; Isaji, Yasuyo; Hirose, Noboru; and Nozu, Takashi, 302,164, Cl. D15-122.000.
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Brouch, William J.; and Gerber, Dale E., to B & G Dezign, Inc. Vehicle wheel spinner hub unit. 303,103, 8-29-89, Cl. D12-207.000.

Brown, Ada M. Wall mounted planter. 304,272, 10-31-89, Cl. D6-557.000.

Brown, Barry M.; and Wilson, Martin B., to Eastman Kodak Company. Water purifier unit. 301,913, 6-27-89, Cl. D23-207.000.

Brown, Daniel R.: *See*—
Heubel, Thomas W.; Laible, Rodney L.; and Brown, Daniel R., 302,291, Cl. D24-8.000.

Brown, George T., Jr.; Santacaterina, Luis; and Schuberth, Winfried, to American Thermometer Co., Inc. Oral thermometer. 299,907, 2-21-89, Cl. D10-57.000.

- Brown, Jack W.: *See—*
  - Pierson, Jeanne S.; Ebling, Wendell V.; Brown, Jack W.; and Cassimatis, Peter N., 299,269, Cl. D24-21.000.
- Brown, James H.: *See—*
  - Ricca, Richard N.; and Brown, James H., 303,698, Cl. D21-228.000.
- Brown, Jeffrey C.; and Barbee, Peter F. Rock-mounted touch control screen display terminal. 300,032, 2-28-89, Cl. D14-113.000.
- Brown, Jeffrey M.; Lepore, George S.; Scancarella, Neil D.; and Smith, Douglas B., to Avon Products, Inc. Design for cosmetic applicator. 300,265, 3-14-89, Cl. D28-7.000.
- Brown, John M. Illuminated menu display panel. 303,893, 10-10-89, Cl. D6-559.000.
- Brown Jordan Company Limited Partnership: *See—*
  - Doughty, Frederic E., 299,986, Cl. D6-344.000.
  - Frinier, Richard, 299,191, Cl. D6-375.000.
  - Frinier, Richard, 299,195, Cl. D6-487.000.
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  - Frinier, Richard, 299,388, Cl. D6-349.000.
  - Frinier, Richard, 299,684, Cl. D6-361.000.
  - Frinier, Richard, 299.685, Cl. D6-361.000.
  - Frinier, Richard, 300,090, Cl. D6-344.000.
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  - Frinier, Richard, 300,189, Cl. D6-379.000.
  - Frinier, Richard, 301,945, Cl. D6-374.000.
  - Frinier, Richard, 304,266, Cl. D6-381.000.
- Brown, Kathryn S., to Brown, Kathryn S. Baby bottle. 303,431, 9-12-89, Cl. D24-47.000.
- Brown, Kenneth A. Toothbrush. 303,732, 10-3-89, Cl. D4-104.000.
- Brown, Kurtis L.: *See—*
  - Barrs, Amy W.; Brown, Kurtis L.; Dickson, James F.; and Englebert, Stephen M., 301,667, Cl. D6-518.000.
- Brown, Larry E.; and Lee, Wilton W. Fluid transfer needle. 300,246, 3-14-89, Cl. D24-53.000.
- Brown, Lynn H. Non-lethal self defense weapon. 301,137, 8-29-89, Cl. D22-117.000.
- Brown, Michael; Read, Clifford D.; and Ellis, Warren K., to Northern Telecom Limited. Housing for a telephone handset. 301,033, 5-9-89, Cl. D14-248.000.
- Brown, Michael: *See—*
  - Helstab, Edmond J.; Brown, Michael; Winlow, Thomas A.; and Bergman, Hans, 302,977, Cl. D14-115.000.
- Brown, Morris W. Portable sign. 303,402, 9-12-89, Cl. D20-10.000.
- Brown, Paul D., to Reebok International, Ltd. Shoe upper. 299,182, 1-3-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Shoe upper. 299,183, 1-3-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok Group International Ltd. Athletic shoe upper. 299,284, 1-10-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok International Ltd. Shoe upper. 299,783, 2-14-89, Cl. D2-314.000.
- Brown, Paul D.; and Le, Tuan N., to Reebok International Ltd. Shoe upper. 299,784, 2-14-89, Cl. D2-314.000.
- Brown, Paul D.; and Miller, David E., to Reebok International Ltd. Element of a shoe upper. 299,884, 2-21-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Element of a shoe upper. 299,885, 2-21-89, Cl. D2-314.000.
- Brown, Paul D.; and Hamill, Hugh J., to Reebok International;Ltd. Shoe upper. 299,886, 2-21-89, Cl. D2-314.000.
- Brown, Paul D.; Le, Tuan N.; and Bemis, Jon L., to Reebok International Ltd. Shoe upper. 300,282, 3-21-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok International Ltd. Shoe upper. 300,782, 4-25-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Element of a shoe upper. 300,783, 4-25-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok International Ltd. Shoe sole material. 301,390, 6-6-89, Cl. D2-320.000.
- Brown, Paul D., to Reebok International Ltd. Element of a shoe upper. 301,657, 6-20-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok International Ltd. Shoe sole. 302,349, 7-25-89, Cl. D2-320.000.
- Brown, Paul D.; and Kittle, Christopher, to Reebok International Ltd. Shoe upper. 302,486, 8-1-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Element of a shoe upper. 302,899, 8-22-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Shoe upper. 304,387, 11-7-89, Cl. D2-314.000.
- Brown, Paul D., to Reebok International Ltd. Shoe upper. 304,388, 11-7-89, Cl. D2-314.000.
- Brown, Paul D.; and Kittle, Christopher, to Reebok International Ltd. Shoe upper. 304,518, 11-14-89, Cl. D2-314.000.
- Brown, Paul D.; and Diaz, Juan A., to Reebok International Ltd. Shoe upper. 304,876, 12-5-89, Cl. D2-314.000.
- Brown, Paul D.: *See—*
  - Diaz, Juan A.; Brown, Paul D.; and Kittle, Christopher J., 301,387, Cl. D2-314.000.
- Brown, Peter D., to Embassy Safety & Security Limited. Video alarm cassette. 303,795, 10-3-89, Cl. D14-121.000.
- Brown, Ronald N. Belt attached umpire hand protector. 304,100, 10-17-89, Cl. D29-20.000.
- Brown, Wallace, Jr. Accessory console for bicycles. 302,142, 7-11-89, Cl. D12-114.000.
- Brown, William R.: *See—*
  - Stephens, Thomas P.; Brown, William R.; and Bristol, David A., 302,729, Cl. D24-53.000.
- Brownlie, Alan W., to Butler Manufacturing Company. Floor outlet housing with sliding closures. 303,247, 9-5-89, Cl. D13-31.000.
- Bruel & Kjaer A/S: *See—*
  - Fauerskov, Svend E., 301,016, Cl. D10-46.000.
- Bruggeman, Bruce G.: *See—*
  - Ewing, Robert L.; Fouke, Herbert A.; Hughes, James S.; and Bruggeman, Bruce G., 303,434, Cl. D26-67.000.
- Brumbaugh, Richard P., Jr.: *See—*
  - Garrett, Terry L.; and Brumbaugh, Richard P., Jr., 305,123, Cl. D15-5.000.
- Brummer, Tim. Recumbent bicycle seat frame. 301,218, 5-23-89, Cl. D12-119.000.
- Brummer, Tim. Recumbant bicycle. 304,319, 10-31-89, Cl. D12-111.000.
- Brummer, Timothy E. Recumbent bicycle frame and fork. 301,130, 5-16-89, Cl. D12-111.000.
- Brune, David C. Toy robot. 301,727, 6-20-89, Cl. D21-166.000.
- Brunell, Daniel J., to E.C. Leather Goods, Inc. Carrying case. 304,391, 11-7-89, Cl. D3-71.000.
- Brunet, James W. Guitar body. 299,453, 1-17-89, Cl. D17-20.000.
- Brunger, Ronald N.; and Reynard, Larry N., to Navistar International Transportation Corp. Bumper extension. 304,569, 11-14-89, Cl. D12-172.000.
- Brunish, Corey. Telephone set. 300,027, 2-28-89, Cl. D14-143.000.
- Brunius, Robert E.: *See—*
  - Williamson, William W.; and Brunius, Robert E., 299,422, Cl. D8-353.000.
- Brunner, Merlin A.; and Draheim, Harvey J., to Simmons Juvenile Products Company, Inc. Crib footboard. 302,915, 8-22-89, Cl. D6-508.000.
- Brunner, Robert, to Esprit Systems, Inc. Computer terminal. 303,789, 10-3-89, Cl. D14-100.000.
- Brunner, Robert, to Esprit Systems, Inc. Pedestal for CRT housing. 303,794, 10-3-89, Cl. D14-114.000.
- Brunnquell GmbH Fabrik electrotechnischer Apparate: *See—*
  - Wilke, Hein, 301,876, Cl. D14-190.000.
- Bruns, Eugene G.: *See—*
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- Brush, John D., Jr.; and Chase, David O., to John D. Brush & Co., Inc. Portable fire resistant case. 302,491, 8-1-89, Cl. D3-30.100.
- Brusseau, Curtis L.; and Brusseau, Lottie Q. Headset for the hearing impaired. 303,531, 9-19-89, Cl. D14-205.000.
- Brusseau, Lottie Q.: *See—*
  - Brusseau, Curtis L.; and Brusseau, Lottie Q., 303,531, Cl. D14-205.000.
- Brussing, Bernd, to Hans Friedrich Hefendehl. Diskette storage container. 303,873, 10-10-89, Cl. D3-35.000.
- Bryan Foods, Inc.: *See—*
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- Bryne & Davidson Doors (N.S.W.) Pty. Limited: *See—*
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- Buchanan, Larry W.; and Gargarella, Ray A., to Buckhorn Material Handling Group, Inc. Lidded storage bin. 304,120, 10-17-89, Cl. D34-40.000.
- Buchel, Udo P.; and Wellenstam, Kjell I., to Astra Meditec Akteibolag. Bellows for surgical drainage. 305,065, 12-12-89, Cl. D24-51.000.
- Buchin, Karl, to Krone AG. Handset transceiver and telephone dialer stand with display panel. 299,342, 1-10-89, Cl. D14-151.000.
- Buchtel, Dean H.: *See—*
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- Buchweitz, Albert F., Jr.; and Heggeland, Bruce, to IPD Innovative Plastic Designs Inc. Support leg for computer equipment. 303,988, 10-10-89, Cl. D18-23.000.
- Buck, David L.; and Siegel, Edward F., Jr., to Dunlop Tire Corporation. Motorcycle tire. 302,413, 7-25-89, Cl. D12-147.000.
- Buck, David L.; and Siegel, Edward F., Jr., to Dunlop Tire Corporation. Motorcycle tire. 302,414, 7-25-89, Cl. D12-147.000.
- Buck, Douglas H., to D. H. Buck Co., Inc. Windshield visor. 301,028, 5-9-89, Cl. D12-191.000.
- Buck, Norman B. Wall mounted ventilation fan door. 302,311, 7-18-89, Cl. D25-48.000.
- Buckhorn Material Handling Group, Inc.: *See—*
  - Buchanan, Larry W.; and Gargarella, Ray A., 304,120, Cl. D34-40.000.
- Buckley, Joseph J., Jr. Pry bar. 301.301, 5-30-89, Cl. D8-89.000.
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- Buehler, Thomas E. Fireplace insert smoke pipe connector. 300,460, 3-28-89, Cl. D23-403.000.
- Buehler, Thomas E. Fireplace insert smoke pipe connector. 300,655, 4-11-89, Cl. D23-403.000.
- Buehler, Thomas E. Fireplace insert smoke pipe connector. 300,656, 4-11-89, Cl. D23-403.000.
- Buford, Vincent R. Palm watch strap. 300,910, 5-2-89, Cl. D11-2.000.
- Buist, Kevin S., to Design Visions, Inc. Hexagonal locking toy block. 304,214, 10-24-89, Cl. D21-108.000.
- Bulgari, Paolo, to Partecipazioni Bulgari, S.p.A. Earring. 302,400, 7-25-89, Cl. D11-75.000.
- Bulgari, Paolo, to Partecipazioni Bulgari, S.p.A. Necklace. 303,229, 9-5-89, Cl. D11-3.000.
- Bulgari, Paolo, to Partecipazioni Bulgari S.p.A. Necklace. 304,312, 10-31-89, Cl. D11-13.000.
- Bulgari, Paolo, to Partecipazioni Bulgari S.p.A. Link element. 304,314, 10-31-89, Cl. D11-93.000.

- Bulgari, Paolo, to Partecipazioni Bulgari S.p.A. Link element. 304,315, 10-31-89, Cl. D11-93.000.
- Bulgari, Paolo, to Partecipazioni Bulgari S.p.A. Bracelet. 304,430, 11-7-89, Cl. D11-6.000.
- Bulgari, Paolo. Bracelet. 304,695, 11-21-89, Cl. D11-15.000.
- Bulgari, Paolo, to Partecipazioni Bulgari S.p.A. Link element. 304,809, 11-28-89, Cl. D11-93.000.
- Bull HN Information Systems Inc.: *See—*
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  - Graham, John F.; and Cesarczyk, Edward J., 302,975, Cl. D14-108.000.
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- Bull, John W.: *See—*
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- Bullard, Russell H., to Green Duck Corporation. Round clicker. 301,156, 5-16-89, Cl. D21-64.000.
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  - Morrison, Howard J.; and Bullock, Brian P., 301,577, Cl. D14-53.000.
- Bungener, John H., to Pelouze Scale Company. Weigh scale 300,124. 3-7-89, Cl. D10-91.000.
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- Burgess, Samuel C. Seaplane with pontoons. 303,950, 10-10-89, Cl. D12-324.000.
- Burk, Robert: *See—*
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- Burke, Doris. Jewelry display rack. 304,793, 11-28-89, Cl. D6-569.000.
- Burke, James D. Truck trailer body. 299,628, 1-31-89, Cl. D12-97.000.
- Burke, James E., to Scovill Fasteners Inc. Snap fastener element. 301,567, 6-13-89, Cl. D11-220.000.
- Burkhart, Robert H., Sr. Ladder mountable container. 300,563, 4-4-89, Cl. D25-68.000.
- Burkstrand, George: *See—*
  - Burkstrand, Lowell; and Burkstrand, George, 301,745, Cl. D25-119.000.
- Burkstrand, Lowell; and Burkstrand, George. Wallboard ceiling runner. 301,745, 6-20-89, Cl. D25-119.000.
- Burle Technologies, Inc.: *See—*
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- Burlington Northern Railroad: *See—*
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- Burlison, Barry, to C & S Distributing Co. Water squirting toy. 302,711, 8-8-89, Cl. D21-145.000.
- Burns, Patrick D., to Golf Decor Creations. Beverage cup. 301,003, 5-9-89, Cl. D7-5.000.
- Burns, Patrick D., to Golf Decor Creations. Beverage cup. 302,633, 8-8-89, Cl. D7-5.000.
- Burns, Robert E. Golf putter head. 303,825, 10-3-89, Cl. D21-217.000.
- Burns, Stephen R.; and Harris, Frank R., to Ryobi Motor Products Corp. Canister vacuum cleaner. 301,647, 6-13-89, Cl. D32-21.000.
- Burr, Stuart C., to Equipment de' Sport U.S.A., Inc Hat stand. 299,989, 2-28-89, Cl. D6-415.000.
- Burroughs, John D.: *See—*
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- Burrows, Bruce D. Water reservoir for a reverse osmosis system. 304,755, 11-21-89, Cl. D23-205.000.
- Burrows, Vernon R. Fishing lure. 299,376, 1-10-89, Cl. D22-129.000.
- Burt, Timothy P., to American Infant Care Products Corporation. Wall-mounted diaper changing table. 302,088, 7-11-89, Cl. D6-555.000.
- Burtch Barone, Inc.: *See—*
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  - Barone, Reina A.; and Burtch, Bruce W., 304,842, Cl. D19-75.000.
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- Burton, Martha L. Sample nail color disc. 301,640, 6-13-89, Cl. D28-62.000.
- Bury, Roy O. Combined golf ball teeing and retrieving device. 300,761, 4-18-89, Cl. D21-234.000.
- Busalt, Gerhard; and Stutzer, Franz A., to Rowenta-Werke GmbH. Cordless vacuum cleaner. 304,104, 10-17-89, Cl. D32-18.000.
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- Bush Industries, Inc.: *See—*
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  - Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 302,499, Cl. D6-436.000.
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  - Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 304,980, Cl. D6-449.000.
  - Bush, Paul S.; Bova, Richard; and Anderson, Bruce, 304,982, Cl. D6-479.000.
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- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Entertainment center. 301.095, 5-16-89, Cl. D6-436.000.
- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Printer stand or the like. 301,096, 5-16-89, Cl. D6-477.000.
- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Video storage cart or the like. 301,664, 6-20-89, Cl. D6-436.000.
- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Hutch. 302,498. 8-1-89, Cl. D6-436.000.
- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Hutch. 302,631, 8-8-89, Cl. D6-436.000.
- Bush, Paul; and Anderson, Bruce O., to Bush Industries, Inc. Desk. 304,530, 11-14-89, Cl. D6-422.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Table or similar article. 301,814, 6-27-89, Cl. D6-484.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Entertainment center or similar article. 302,499, 8-1-89, Cl. D6-436.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Desk or similar article. 304,979, 12-12-89, Cl. D6-422.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Hutch or similar article. 304,980, 12-12-89, Cl. D6-449.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Stand or similar article. 304,982, 12-12-89, Cl. D6-479.000.
- Bush, Paul S.; Bova, Richard; and Anderson, Bruce, to Bush Industries, Inc. Video cabinet or similar article. 305,186, 12-26-89, Cl. D6-436.000.
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- Busse, Rido, to Soehnle-Waagen GmbH & Co. Kitchen scale. 302,395, 7-25-89, Cl. D10-91.000.
- Busse, Rido, to Soehnle-Waagen GmbH & Company. Diet and household scale with bowl. 302,665, 8-8-89, Cl. D10-91.000.
- Busse, Rido, to Soehnle-Waagen GmbH & Co. Household scale. 302,666, 8-8-89, Cl. D10-92.000.
- Busse, Rido, to Soehnle-Waagen GmbH & Company. Diet and household scale. 303,358, 9-12-89, Cl. D10-91.000.
- Bussell, Letantia B. Combined sunglasses and visor. 300,329, 3-21-89, Cl. D16-110.000.
- Bussell, Vanda J. Soap bar. 299,277, 1-3-89, Cl. D28-8.200.
- Bussell, Vanda J. Shower curtain holder or similar article. 299,313, 1-10-89, Cl. D8-373.000.
- Bussell, Vanda J. Soap bar. 302,339, 7-18-89, Cl. D28-8.100.
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- Butch, Leo N. Rack for handling spools of ribbon. 301,950, 7-4-89, Cl. D6-466.000.
- Butler, Benjamin; and Girson, LeRoy S., to Theatervision, Inc. Portable projection television. 299,824, 2-14-89, Cl. D14-128.000.
- Butler, Hugh, to Red Line Products (PTY) Limited. Breath analyzer for testing blood alcohol levels. 300,559, 4-4-89, Cl. D24-17.000.
- Butler, James E.: *See—*
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- Butler, Jay A. Sun visor. 302,673, 8-8-89, Cl. D12-191.000.
- Butler, Joseph. Fishing lure. 299,678, 1-31-89, Cl. D22-129.000.
- Butler Manufacturing Company: *See—*
  - Brownlie, Alan W., 303,247, Cl. D13-31.000.
- Butler, Mark R. Hand held tool for packing and loading of leaves. 303,912, 10-10-89, Cl. D8-1.000.
- Butler, Patrick H. Mounted bracket for holding tanks. 302,519, 8-1-89, Cl. D8-373.000.
- Byar, Peter; and Spector, Edward, to Interdynamics, Inc. Combined air compressor and flashlight. 300,433, 3-28-89, Cl. D15-9.000.
- Bybee, Gary L. Lure. 305,258, 12-26-89, Cl. D22-132.000.
- Byers, Carroll C.; and Schmidt, Sheldon, to Loew-Cornell, Inc. Combined artist's brush holder and cleaning vessel. 304,512, 11-7-89, Cl. D32-35.000.
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  - Schremmer, Paul M., 300,220, Cl. D14-218.000.
  - Schremmer, Paul M., 301,743, Cl. D25-49.000.
- Byrns, James E. Insulated bottle holder. 302,509, 8-1-89, Cl. D7-77.000.

Byrns, James E. Insulated can holder. 304,538, 11-14-89, Cl. D7-77.000.
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Cain, Ann S., to 'Totes', Incorporated. Portable desk tool kit. 299,359, 1-10-89, Cl. D19-75.000.
Cain, Vernon W.; Ray, Thomas R.; Burk, Robert; and Winter, Peter M., to Keycom Electronic Publishing, Inc. Keyboard panel for information system terminal. 300,140, 3-7-89, Cl. D14-115.000.
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Calcerano, Victor; and O'Brien, David. Container for batteries. 302,662, 8-8-89, Cl. D9-415.000.
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Marks, Robert J., 300,688, Cl. D3-34.000.
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Marks, Robert J., 301,085, Cl. D3-34.000.
Calis, Rene, to Aerospatiale Societe Nationale Industrielle. Emergency radio signal transmitter. 304,310, 10-31-89, Cl. D10-106.000.
Calkins, Durward W., to Cincinnati Time, Inc. Computer controlled time clock with fold-up keyboard. 304,162, 10-24-89, Cl. D10-41.000.
Callahan, Joseph M. Strip for water sealing bath tubs from dry wall and wall studs. 299,963, 2-21-89, Cl. D25-119.000.
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Camens, Murray I. C., to U.S. Philips Corporation. Loudspeaker grille. 302,818, 8-15-89, Cl. D14-219.000.
Camens, Murray I. C., to U.S. Philips Corporation. Dry shaver. 305,160, 12-19-89, Cl. D28-51.000.
Camens, Murray I. C., to U.S. Philips Corporation. Dry shaver. 305,161, 12-19-89, Cl. D28-51.000.
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Campbell, Corene G. Two finger ring. 305,214, 12-26-89, Cl. D11-26.000.
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Campbell, Leslie A. Sandal. 305,176, 12-26-89, Cl. D2-270.000.
Campbell, Lisa K. F. Table. 299,601, 1-31-89, Cl. D6-487.000.
Campbell, Steven M., to U.S. Divers Company. Regulator mouthpiece. 303,440, 9-12-89, Cl. D29-7.000.
Campbell, Terry A. Combined earring stand and mirror. 304,532, 11-14-89, Cl. D6-469.000.
Campbell, Terry A., to Master Link Marketing Inc. Earring stand. 304,533, 11-14-89, Cl. D6-469.000.
Campello, Ugo; Racca, Enrico; and Ryan, Robert, to New High Glass. Combined fountain brush applicator bottle and cap therefor. 299,973, 2-21-89, Cl. D28-7.000.
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Canaan, Mark A.; and Nichols, Joseph H., to Cryolab. Combined seal-off valve body and cap. 299,950, 2-21-89, Cl. D23-233.000.
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Cannon, Thomas J. Wall clock. 301,551, 6-13-89, Cl. D10-6.000.
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Kondoh, Yuji, 305,240, Cl. D16-202.000.
Masaki, Nobuo, 299,928, Cl. D18-37.000.
Matsuoka, Fumiya; and Hasegawa, Takeshi, 303,982, Cl. D18-7.000.
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Nibley, Richard; and Haranishi, Noriaki, 299,930, Cl. D18-1.000.
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Nishio, Tomonori, 300,139, Cl. D14-118.000.
Omino, Seiichi, 299,590, Cl. D3-76.000.
Omino, Seiichi; Noda, Atsushi; and Hashimoto, Kenichiro, 302,438, Cl. D18-12.000.
Omino, Seiichi; and Katayanagi, Jun, 304,956, Cl. D18-22.000.
Sakuta, Kazuaki, 304,937, Cl. D14-109.000.
Sasaki, Hiroaki; and Nakamura, Yukitsugu, 299,745, Cl. D24-17.000.
Seki, Yuichi, 303,543, Cl. D18-36.000.
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Takahashi, Masaki; and Yoshihara, Tsutomu, 302,156, Cl. D14-148.000.
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Takemata, Keiko; and Murakami, Osamu, 301,885, Cl. D14-245.000.
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Tashiro, Naoki, 303,542, Cl. D18-36.000.
Tokuda, Hiroyuki, 300,749, Cl. D18-38.000.
Tokuda, Hiroyuki, 303,546, Cl. D18-40.000.
Umino, Toshio, 300,328, Cl. D18-37.000.
Umino, Toshio, 303,544, Cl. D18-40.000.
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Yomo, Takashi, 299,929, Cl. D18-44.000.
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Martensson, Nils E. V.; Harrison, Peter D.; Perry, David C.; New, John H.; Major, Ron; Dolwin, Craig; and Cant, Malcolm C., 302,423, Cl. D14-138.000.
Canta, Vittorio. Wrist watch. 301,693, 6-20-89, Cl. D10-39.000.
Canterberry, Edward. Portable ramp. 299,776, 2-7-89, Cl. D34-32.000.
Cantu, Gloria L. Combined scoop and coin wrapper filler. 301,930, 6-27-89, Cl. D99-34.000.
Capamaggio, Scott A. Bookmark. 301,042, 5-9-89, Cl. D19-34.000.
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Dunnick, Julian S., 302,858, Cl. D25-119.000.
Schmidt, Dietrich F., 300,255, Cl. D25-119.000.
Schmidt, Dietrich F., 300,256, Cl. D25-119.000.
Capjon, Jan, to J. Oglaend, Inc. Ergometer. 301,729, 6-20-89, Cl. D21-194.000.
Capper, James O.; and Elliott, Ruth, to Hestair Kiddicraft Limited. Musical mobile. 300,437, 3-28-89, Cl. D21-63.000.
Caraway, Mark C. Toy doll. 301,903, 6-27-89, Cl. D21-161.000.
Caraway, Mark C. Toy doll. 302,034, 7-4-89, Cl. D21-161.000.

Cardia, Ennio. Lipstick. 302,054, 7-4-89, Cl. D28-88.000.
Cardia, Ennio. Lipstick. 303,303, 9-5-89, Cl. D28-88.000.
Cardinal, Anthony J.; Hanekamp, Robert D.; and Olson, Elizabeth T., to Procter & Gamble Company, The. Jar. 303,762, 10-3-89, Cl. D9-404.000.
Cardinal Industries, Inc.: *See—*
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Subtirelu, Monica P., 299,542, Cl. D25-17.000.
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Caretta, Renato, to Pirelli Coordinamento Pneumatici S.p.A. Tire. 304,561, 11-14-89, Cl. D12-147.000.
Carey, Bruce P., to USG Interiors, Inc. Subceiling panel unit. 304,498, 11-7-89, Cl. D25-58.000.
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Carlson, Arthur R., to Decor Corporation Proprietary Limited, The. Cask dispensing stand. 301,951, 7-4-89, Cl. D6-474.000.
Carlson, Arthur R., to Decor Corporation Proprietary Limited, The. Insulated portable unit. 302,922, 8-22-89, Cl. D7-77.000.
Carlson, Arthur R., to Decor Corporation Proprietary Limited, The. Basket. 303,632, 9-26-89, Cl. D9-414.000.
Carlson, Arthur R. Container for bottles. 304,680, 11-21-89, Cl. D9-341.000.
Carlson, Arthur R. Divider. 304,887, 12-5-89, Cl. D6-509.000.
Carlson, Arthur R., to Decor Corporation Proprietary Limited, The. Potato masher. 304,894, 12-5-89, Cl. D7-101.000.
Carlson, Bruce W.: *See—*
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Carlson, Richard J.: *See—*
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Carlson, Richard M.; and Penn, Philip H. Hook for hanging tubular objects. 301,974, 7-4-89, Cl. D8-367.000.
Carlson, Robert B.; and Wucherpfennig, Frederick D., to Toro Company, The. Leg exercise machine. 303,696, 9-26-89, Cl. D21-195.000.
Carlson, Robert B.; and Wucherpfenning, Fredrick D., to Toro Company. The. Shoulder and arm exercise machine. 304,058, 10-17-89, Cl. D21-195.000.
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Carmody, Patrick J. Pop-top can opener. 303,613, 9-26-89, Cl. D8-40.000.
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Carpanelli, Carlo; and Serenari, Stefano, to GO PRO S.r.l. Motor vehicle body. 299,705, 2-7-89, Cl. D12-88.000.
Carpenter, James H., to Pangborn Corporation, Inc. Vane for throwing wheel. 304,199, 10-24-89, Cl. D15-126.000.
Carpenter, James H., to Pangborn Corporation. Vane for throwing wheel. 304,455, 11-7-89, Cl. D15-126.000.
Carreau, Dwayne G; and Carreau, Pierre R. Inflow water treatment adapter for chemical toilets. 302,457, 7-25-89, Cl. D23-207.000.
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Hoyle, Walter W., 303,142, Cl. D23-354.000.
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Carriveau, Ronald S. Guitar head. 300,638, 4-11-89, Cl. D17-20.000.
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Cartabbia, Giovanni. Handle for a steam iron. 300,576, 4-4-89, Cl. D32-72.000.
Carter, Elaine K. Crib or similar article. 300,787, 4-25-89, Cl. D6-390.000.
Carter, Harrison J.; and Soto, Edward. Muff. 300,984, 5-9-89, Cl. D2-511.000.
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Caruso, Jerome C.; Perl, Ludovic A.; and Shane, Robert M., to Shepherd Products U.S., Inc. Chair base with casters. 304,399, 11-7-89, Cl. D6-498.000.
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Mason, Jean C., 303,437, Cl. D26-86.000.
Casale, Rudy J., to Child Riding Inc. Convertible automobile seat. 301,188, 5-23-89, Cl. D6-335.000.
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Case, Robert; Morrow, James D.; and Podd, George O., III, to Emerson Electric Co. Combination wet and dry vacuum cleaner. 305,167, 12-19-89, Cl. D32-18.000.
Casey, Brian W. Bottle rack element. 300,293, 3-21-89, Cl. D7-71.000.
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Casey, Ralph F., to Associated Equipment Corporation. Portable battery tester. 299,909, 2-21-89, Cl. D10-77.000.
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Naito, Yoshitaka, 304,839, Cl. D17-14.000.
Nakai, Toshio, 301,015, Cl. D10-32.000.
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Wakamatsu, Masamichi, 303,768, Cl. D10-38.000.
Cassai, Gino H.; and Cassai, Henry J. Adjustable cosmetic applicator. 299,276, 1-3-89, Cl. D28-7.000.
Cassai, Gino H.; and Cassai, Henry J. Beverage can. 302,116, 7-11-89, Cl. D9-368.000.
Cassai, Gino H.: *See—*
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Cassai, Henry J.; and Cassai, Gino H., 300,956, Cl. D28-7.000.
Cassai, Henry J.; and Cassai, Gino H., 303,850, Cl. D28-77.000.
Cassai, Henry J.; and Cassai, Gino H. Combined container/bottle and cosmetic wand applicators or the like. 300,269, 3-14-89, Cl. D28-77.000.
Cassai, Henry J.; and Cassai, Gino H. Adjustable cosmetic applicator with universal joint. 300,956, 5-2-89, Cl. D28-7.000.
Cassai, Henry J.; and Cassai, Gino H. Combined container/bottle and cosmetic wand applicators or the like. 303,850, 10-3-89, Cl. D28-77.000.
Cassai, Henry J.: *See—*
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Cassells, Alan C.; and Rynhart, Alan D. Controlled environment chamber for plant propagation, biological testing or the like. 304,913, 12-5-89, Cl. D11-145.000.
Casselman, Michael D. Gas can rack. 304,133, 10-24-89, Cl. D6-420.000.
Cassidy, Bruce A.; and Gray, James O. Mine roof support plate. 301,687, 6-20-89, Cl. D8-399.000.

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Castle, Ross M. Combined mechanical pencil and scale therefor. 301,043, 5-9-89, Cl. D19-36.000.
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  Briggs, Robert W.; and Parks, John M., 302,276, Cl. D15-24.000.
  Grawey, Charles E.; Grob, Robert J.; and Hart, Cullen P., 302,017, Cl. D15-28.000.
Catey, Harry; and Hesla, Erling C. Extension attachment for a telephone earpiece. 305,027, 12-12-89, Cl. D14-249.000.
Catonzaro, Robert P. Outboard motor storage rack. 302,619, 8-1-89, Cl. D34-26.000.
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  Caulder, Pamela M.; and Caulder, Albert L., 300,475, Cl. D29-11.000.
Caulder, Pamela M.; and Caulder, Albert L. Child harness. 300,474, 3-28-89, Cl. D29-11.000.
Caulder, Pamela M.; and Caulder, Albert L. Child harness. 300,475, 3-28-89, Cl. D29-11.000.
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Cavicchioli, Alfred G. Windshield wiper blade. 301,329, 5-30-89, Cl. D12-155.000.
Cawood, Charles D.; and Mrava, Gene L. Urine leg bag. 303,841, 10-3-89, Cl. D24-54.000
Cawthorne, James R., to Fidelity Manufacturing Company. Film holder. 302,434, 7-25-89, Cl. D16-236.000.
Cayce, David; and Cohen, Wayne E., to Latin Percussion, Inc. Wing nut. 302,109, 7-11-89, Cl. D8-398.000.
Cecil, John, Jr.; and Black, Robert R., to Welch Allyn, Inc. Disposable vaginal speculum. 299,532, 1-24-89, Cl. D24-18.000.
Cekic, Milosay: *See—*
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  Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, 300,369, Cl. D25-124.000.
  Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, 300,370, Cl. D25-124.000.
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Cetrone, Vincent B., to Warren Tool Corporation. Spring clamp. 302,654, 8-8-89, Cl. D8-395.000.
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Chadwick, Donald T.; and Stumpf, William E., to Herman Miller, Inc. Chair. 299,192, 1-3-89, Cl. D6-380.000.
Chakrabarti, Kirti B.; Garrity, Donald F., Jr.; and Cashman, James L., III, to GTE Products Corporation. Lamp. 303,156, 8-29-89, Cl. D26-2.000.
Chalberg, Philip E. Suction assembly for a whirlpool bath. 299,522, 1-24-89, Cl. D23-261.000.
Challberg, Sharon S.; and Kiser, Randall, to Life Technologies, Inc. Reaction tray for membrane hybridizations. 304,369, 10-31-89, Cl. D24-8.000.
Chambers, Arthur E. Foot bath. 304,235, 10-24-89, Cl. D24-38.000.
Chambers, Arthur E. Trampoline exerciser. 304,850, 11-28-89, Cl. D21-235.000.
Chambers, James W., to Atwood Industries, Inc. Fifth wheel hitch pin box. 300,815, 4-25-89, Cl. D12-162.000.
Chambers, James W., to Atwood Industries, Inc. Trailer coupler yoke. 304,818, 11-28-89, Cl. D12-162.000.
Chambers, Jeffrey, to Oxley Developments Company Limited. Electrical connector. 301,459, 6-6-89, Cl. D13-24.000.
Champagne, Patrick J.: *See—*
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  Hadtke, Frederick B., 304,685, Cl. D9-415.000.
Chan, David M. F.; and Chan, Michael L. F. Rocking support for plants, flowers, candles or the like. 301,947, 7-4-89, Cl. D6-405.000.
Chan, Kwan W.; and von der Luehe, Detlef M. T., to Melitta, Inc. Coffeemaker or the like. 301,194, 5-23-89, Cl. D7-309.000.
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Chan, Ming K. Lantern head. 299,761, 2-7-89, Cl. D26-40.000.
Chan, Raymond, to Integrated Display Technology, Ltd. Thermometer with an external sensor. 300,515, 4-4-89, Cl. D10-57.000.
Chan, Raymond. Thermometer. 300,908, 5-2-89, Cl. D10-57.000.
Chan, Raymond, to Integrated Display Technology, Limited. Timer. 303,771, 10-3-89, Cl. D10-40.000.
Chan, Ying K., to Scientific Toys Limited. Toy vehicle. 299,367, 1-10-89, Cl. D21-134.000.
Chang, Chung-Yhi. Pedal exerciser. 300,158, 3-7-89, Cl. D21-194.000.
Chang, Connie; and Schild, Carol. Statuette. 300,616, 4-11-89, Cl. D11-158.000
Chang, Herry. Paddle wheel propelled watercraft. 299,941, 2-21-89, Cl. D21-236.000.
Chang, Kun H. Shoe pad. 302,071, 7-11-89, Cl. D2-318.000.
Chang, Robert H. Support rack for printer and paper. 303,702, 9-26-89, Cl. D18-23.000.
Chapin, David S.; and Stack, Paul D., Jr., to Cooper Industries, Inc. Precision wire stripper. 301,115, 5-16-89, Cl. D8-98.000.
Chapin, David S., to Cooper Industries, Inc. Battery operated tool housing. 301,299, 5-30-89, Cl. D8-68.000.
Chapin, David S.; and Oberg, Thomas W., to Cooper Industries, Inc. Hammer. 302,932, 8-22-89, Cl. D8-75.000.
Chapin, David S.; and Farnham, Gilbert R., to Cooper Industries, Inc. Refillable propane torch. 304,151, 10-24-89, Cl. D8-30.000.
Chapman, Leif H.; and Ruzzin, Richard F., to General Motors Corporation. Wheel cover. 301,866, 6-27-89, Cl. D12-211.000.
Chapman, Leif H.; and Ruzzin, Richard F., to General Motors Corporation. Wheel. 302,004, 7-4-89, Cl. D12-211.000.
Chapman, Leif H.; and Ruzzin, Richard F., to General Motors Corporation. Combined rear spoiler and light. 304,819, 11-28-89, Cl. D12-181.000.
Chappellet, Mary A. Base for multiple candle lamps. 303,845, 10-3-89, Cl. D26-9.000.
Chappellet, Mary A. Base for multiple candle lamps. 304,379, 10-31-89, Cl. D26-9.000.
Charboneau, Donald B.; and Lazier, Kenneth M., to Sonoco Products Company. Bottle. 302,522, 8-1-89, Cl. D9-375.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Combination automobile map light and electric lighter. 300,263, 3-14-89, Cl. D27-142.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Rear view mirror mounting. 300,737, 4-18-89, Cl. D12-187.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Trim door guard for automobiles. 300,816, 4-25-89, Cl. D12-167.000.

Charet, Pierre; Kraai, Duke; and Iacovelli, Marc R., to Rally Manufacturing, Inc. Door guard for automobiles. 301,026, 5-9-89, Cl. D12-167.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Automobile floor mat. 302,263, 7-18-89, Cl. D12-203.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Multi position flip up light for automobile interiors, glove compartments, trunks and hoods. 302,321, 7-18-89, Cl. D26-37.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Twin beam map light for vehicles. 302,325, 7-18-89, Cl. D26-60.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Portable twin beam light. 302,594, 8-1-89, Cl. D26-60.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Portable single beam light. 303,158, 8-29-89, Cl. D26-60.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Flip up modular digital clock for automobile control panels. 304,304, 10-31-89, Cl. D10-15.000.
Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Ashtray for automobile doors. 304,508, 11-7-89, Cl. D27-105.000.
Charet, Pierre: *See—*
  Iacovelli, Marc R.; Charet, Pierre; and Kraai, Duke, 301,863. Cl. D12-193.000.
Charles C. Worth Corporation: *See—*
  Worth, Charles C., 300,552, Cl. D22-142.000.
Charles Wilhelm et Cie, S.A.: *See—*
  Berger, Hugo, 303,637, Cl. D10-39.000.
Charm, Stanley E. Milk sampling apparatus. 302,639, 8-8-89, Cl. D7-104.000.
Charnitski, Richard D., to Heart Rate, Inc. Multiple-station fitness center. 302,194, 7-11-89, Cl. D21-191.000.
Chart, Pierre: *See—*
  Iacovelli, Marc R.; Chart, Pierre; and Kraai, Duke, 299,438, Cl. D10-68.000.
Chase, Charles: *See—*
  Brenner, Stanley S.; and Chase, Charles, 300,215, Cl. D13-25.000.
Chase, David O.: *See—*
  Brush, John D., Jr.; and Chase, David O., 302,491, Cl. D3-30.100.
Chatham, Johnnie P. Golf tee setting gauge. 302,714, 8-8-89, Cl. D21-208.000.
Chechelski, Witek, to Snowden-Pencer, Inc. Surgical rasp. 302,297, 7-18-89, Cl. D24-28.000.
Chechelski, Witek, to Snowden-Pencer, Inc. Working end of a surgical rasp. 302,298, 7-18-89, Cl. D24-28.000.
Chelsea Clock Company, Incorporated: *See—*
  Leavitt, Richard F., 302,137, Cl. D10-129.000.
Chem-Stor, Inc.: *See—*
  Fudge, Alva L.; Anderson, Kenneth J.; and Piazza, Phillip J., 302,309, Cl. D25-22.000.
Chen, Chen-Tsung. Toy construction ring. 304,213, 10-24-89, Cl. D21-108.000.
Chen, Cheng Pin. Auxiliary automotive vehicle brake light. 304,504, 11-7-89, Cl. D26-28.000.
Chen, Chin S.: *See—*
  Hong, Chue S.; and Chen, Chin S., 299,504, Cl. D21-194.000.
Chen, Chun-Yong. Paint scraper. 303,861, 10-3-89, Cl. D32-48.000.
Chen, David. Combined toy guitar and microphone. 300,154, 3-7-89, Cl. D21-64.000.
Chen, Feng-Chih: *See—*
  Kao, George; and Chen, Feng-Chih, 302,813, Cl. D14-113.000.
Chen, Fon-Chiu M.: *See—*
  Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,859, Cl. D24-17.000.
  Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,860, Cl. D24-17.000.
Chen, Jeng C. Vacuum flask. 300,709, 4-18-89, Cl. D7-321.000.
Chen, Jim. Telephone set. 304,335, 10-31-89, Cl. D14-142.000.
Chen, Kent: *See—*
  Schwarz, Frank; Nielson, Richard H.; and Chen, Kent, 301,844, Cl. D10-109.000.
Chen, Tien-Tsung: *See—*
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,699, Cl. D19-26.000.
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,830, Cl. D19-26.000.
  Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 304,343, Cl. D19-26.000.
Cheng, Chi F., to Artin Industrial Co., Ltd. Controller for toy racing vehicle. 302,446, 7-25-89, Cl. D21-142.000.
Cheng, Chih-Ping. Lipstick container. 305,268, 12-26-89, Cl. D28-88.000.
Cheng, Peter S. C. Curtained picture frame. 303,180, 9-5-89, Cl. D6-303.000.
Cherne Industries, Inc.: *See—*
  Mathison, Allen D., 300,350, Cl. D23-260.000.
Cherokee Group, The: *See—*
  Argyropoulos, James, 303,867, Cl. D2-268.000.
  Argyropoulos, James, 303,868, Cl. D2-268.000.
Cherry, Steven B.: *See—*
  English, Walter L.; and Cherry, Steven B., 300,462, Cl. D24-45.000.
Chester, Jon: *See—*
  Olesen, Paul; and Chester, Jon, 305,092, Cl. D8-49.000.
Cheung, George C. H., to Tak Ming Industrial Co. Record holder. 304,261, 10-31-89, Cl. D3-35.000.
Cheung, Henry C. H. Shoe polishing set. 301,398, 6-6-89, Cl. D4-102.000.
Cheung, Kwok K., to Chi Kuan Manufactory Limited. Lighted vanity mirror with hinged doors for attachment to the sun visor of an automobile. 304,712, 11-21-89, Cl. D12-191.000.
Cheung, Po W., to Mike & Kremmel Limited. Combined can opener, corkscrew and bottle opener. 301,539, 6-13-89, Cl. D8-41.000.
Chi, Hui-Neng. Stapling gun or similar article. 301,676, 6-20-89, Cl. D8-49.000.
Chi Kuan Manufactory Limited: *See—*
  Cheung, Kwok K., 304,712, Cl. D12-191.000.
Chiang, John A. Alternating current sensing device. 299,318, 1-10-89, Cl. D10-78.000.
Chiarella, Michele A. Helmet. 299,978, 2-21-89, Cl. D29-12.000.
Chiba, Noboru: *See—*
  Kumagai, Kenta; Chiba, Noboru; and Tsubokuda, Syoji, 300,173, Cl. D23-351.000.
Chicago Cutlery Company: *See—*
  Goebel, Richard; Luebke, Michael; and Hoffman, Gary, 300,497, Cl. D7-74.000.
Chiku, Akira: *See—*
  Fujiyama, Yoshiyuki; Ogawara, Sumio; Chiku, Akira; Kumano, Toshihiro; and Okiyama, Yoshitatsu, 304,579, Cl. D14-118.000.
Chikuzenya, Takao: *See—*
  Ohtani, Rikio; Tsuji, Yasuyuki; Nakamura, Kimio; Kubo, Kazuyuki; Chikuzenya, Takao; and Nishino, Osamu, 305,130, Cl. D18-13.000.
Chilcoate, Elmer F., to Econodose, Inc. Combined unit dose medication packaging and labeling machine. 300,326, 3-21-89, Cl. D15-145.000.
Child Riding Inc.: *See—*
  Casale, Rudy J., 301,188, Cl. D6-335.000.
Childre, Casey J.: *See—*
  Andreasen, James; and Childre, Casey J., 299,514, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; and Peed, David B., 299,513, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., 299,735, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; and Peed, David B., 299,736, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., 300,167, Cl. D22-142.000.
  Andreasen, James E.; and Childre, Casey J., 300,169, Cl. D22-142.000.
  Andreasen, James E.; and Childre, Casey J., 300,767, Cl. D22-142.000.
  Andreasen, James E.; and Childre, Casey J., 300,768, Cl. D22-142.000.
Childress, Richard J. Tray for attachment to a walker or the like. 300,496, 4-4-89, Cl. D7-71.000.
Chin, Jung S., to Hyundai Electronics Industries Co., Ltd. Microwave low noise amplifier. 302,159, 7-11-89, Cl. D14-230.000.
Ching, Larry K. W., Jr., to Gates Energy Products, Inc. Battery. 303,373, 9-12-89, Cl. D13-8.000.
Ching, Larry K. W., Jr., to Gates Energy Products, Inc. Battery. 304,926, 12-5-89, Cl. D13-8.000.
Ching, Larry K. W., Jr.; and Puester, Neil, to Gates Energy Products, Inc. Battery. 304,927, 12-5-89, Cl. D13-8.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,239, 5-23-89, Cl. D14-217.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,240, 5-23-89, Cl. D14-217.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,241, 5-23-89, Cl. D14-217.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,242, 5-23-89, Cl. D14-217.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,243, 5-23-89, Cl. D14-217.000.
Chino, Kiyozumi, to Uro Denshi Kogyo Kabushiki Kaisha. Splitter. 301,244, 5-23-89, Cl. D14-217.000.
Chinon Kabushiki Kaisha: *See—*
  Iwasaki, Hiroyoshi; and Nakayama, Yasuhiko, 302,683, Cl. D14-107.000.
Chio, Chuy-Nan. Combined logic training board and power input bodies. 299,253, 1-3-89, Cl. D19-59.000.
Chip Clip Canada Inc.: *See—*
  Woodrow, John A., 302,367, Cl. D7-40.000.
Chip Clip Corporation: *See—*
  Hoffman, Ronald J.; and Neff, Steven W., 302,232, Cl. D8-18.000.
  Hoffman, Ronald J.; Groth, Francis R.; and Neff, Steven W., 303,216, Cl. D9-434.000.
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  Dailey, Charles M.; and Chmela, John, 303,424, Cl. D23-223.000.
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  Chmielinski, Tsun M.; and Chmielinski, Robert W., 299,881, Cl. D2-33.000.
Chmielinski, Tsun M.; and Chmielinski, Robert W. Child's suit. 299,881, 2-21-89, Cl. D2-33.000.
Chodat, Jean-Pierre, to Fabrique Ebel, Societe Anonyme. Spectacle frame. 301,482, 6-6-89, Cl. D16-102.000.
Choi, Inho, to L.A. Gear, Inc. Shoe sole. 302,350, 7-25-89, Cl. D2-320.000.
Choi, Lung W., to Goodway Electrical Company Limited. Iron. 302,882, 8-15-89, Cl. D32-70.000.
Chonan, Katsuhiko: *See—*
  Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 299,334, Cl. D13-4.000.

- Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,370, Cl. D13-4.000.
- Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,371, Cl. D13-4.000.
- Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,372, Cl. D13-4.000.
- Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 304,170, Cl. D13-4.000.
- Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 304,171, Cl. D13-4.000.
- Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 305,115, Cl. D13-4.000.

Chorne, Robert. Golf iron club head. 303,415, 9-12-89, Cl. D21-220.000.
Chorne, Robert. Golf iron club head. 303,699, 9-26-89, Cl. D21-220.000.
Chou, Fargo. Retractable comb. 301,769, 6-20-89, Cl. D28-21.000.
Chounan, Yoshiya, to Sakae Ringyo Co., Ltd. Bicycle pedal. 299,449, 1-17-89, Cl. D12-125.000.
Chounan, Yoshiya, to Sakae Ringyo Co., Ltd. Bicycle pedal. 299,450, 1-17-89, Cl. D12-125.000.
Chounan, Yoshiya, to Sakae Ringyo Co., Ltd. Bicycle pedal. 302,668, 8-8-89, Cl. D12-125.000.
Chow, Ho; and Lawrence, Harry E., to Hunter-Melnor. Aspiration sprayer. 300,170, 3-7-89, Cl. D23-213.000.
Chow, Yip C., to Ilesso Anstalt. Combination corkscrew and stand. 303,203, 9-5-89, Cl. D8-42.000.
Chow, Yip C. I., to Mike & Kremmel Limited. Lemon squeezer. 299,803, 2-14-89, Cl. D7-48.000.
Christensen, John F., to AB Akerlund & Rausing. Tube for rectal administration of pharmaceutical compositions. 299,271, 1-3-89, Cl. D24-63.000.
Christensen, Thomas J.: *See—*
- Doman, Donald W.; Bakula, Gerald R., Zuzinec, Raymond R., Sr.; Christensen, Thomas J.; and Parise, Jack A., 299,910, Cl. D10-78.000.

Christensen, Winston E., to Winston Stove, Inc. Wood pellet burning stove. 305,148, 12-19-89, Cl. D23-343.000.
Christian, Kristy L.; Ridley, Fred A., Jr.; and Ridley, Clay K. Sandal. 304,126, 10-24-89, Cl. D2-293.000.
Christiansen, Jens H. Wall mounted shelving unit. 301,000, 5-9-89, Cl. D6-574.000.
Chromacol Limited: *See—*
- Baxter, James A., 299,954, Cl. D24-29.000.
- Baxter, James A., 301,117, Cl. D9-439.000.
- Baxter, James A., 301,118, Cl. D9-439.000.
- Baxter, James A., 302,591, Cl. D24-29.000.
- Baxter, James A., 302,722, Cl. D24-8.000.
- Baxter, James A., 304,972, Cl. D24-29.000.
- Baxter, James A., 304,973, Cl. D24-29.000.
- Baxter, James A., 304,997, Cl. D9-349.000.

Chromcraft Furniture Corporation: *See—*
- Murry, Edsel E., 304,886, Cl. D6-379.000.
- Stafford, John R., 303,888, Cl. D6-502.000.
- Stafford, John R., 304,654, Cl. D6-502.000.
- Wilson, Robert L., 304,885, Cl. D6-379.000.

Chrysler Motors Corporation: *See—*
- Fry, David F.; Crosslen, Louis J.; and Kraus, John L., 301,415, Cl. D6-432.000.
- McKinnon, David C., 301,572, Cl. D12-196.000.

Chu, Robin, to Keytronic Corporation. Computer mouse. 301,142, 5-16-89, Cl. D14-114.000.
Chu, Zooey C.: *See—*
- Muller-Deisig, Wolfgang; Jenkins, David C.; West, Terry D.; and Chu, Zooey C., 299,799, Cl. D6-500.000.

Chuan, Tsai G. Barbeque grill. 304,010, 10-17-89, Cl. D7-332.000.
Chuang, C. H., to Pioneer Industrial Corp. Cap for writing tools. 305,245, 12-26-89, Cl. D19-57.000.
Chubb Australia Limited: *See—*
- Parthenis, John, 303,079, Cl. D8-331.000.

Chuboff, David P.; and Johnson, Marilyn M., to Zenith Electronics Corporation. High-resolution video monitor. 299,924, 2-21-89, Cl. D14-126.000.
Chung-Hui, Liao. Resistor sorting machine. 299,830, 2-14-89, Cl. D15-147.000.
Chung, Liaw S. Fingernail clipper. 305,267, 12-26-89, Cl. D28-60.000.
Chung, Roy: *See—*
- Goodrich, Gordon W.; and Chung, Roy, 303,171, Cl. D32-21.000.

Chung, Saiwha. Beverage mug or similar article. 299,688, 2-7-89, Cl. D7-9.000.
Chung, Soon W. Combined hammer, measuring gauge and nail holder. 303,208, 9-5-89, Cl. D8-81.000.
Chuo Kagaku Kabushiki Kaisha: *See—*
- Natori, Eiji, 299,800, Cl. D7-1.000.
- Natori, Eiji, 301,294, Cl. D7-36.000.
- Natori, Eiji, 304,908, Cl. D9-423.000.
- Natori, Eiji, 304,909, Cl. D9-423.000.
- Natori, Eiji, 304,910, Cl. D9-423.000.

Ciarfeo, Elizabeth A.; and King, M. Frazier, Jr. Watch with neon-like illumination ring groove on crystal underside. 303,636, 9-26-89, Cl. D10-39.000.
Ciarfeo, Elizabeth A.: *See—*
- King, M. Frazier, Jr.; and Ciarfeo, Elizabeth A., 303,937, Cl. D10-39.000.

Ciavatta, Aldo. Patch for trousers. 300,682, 4-18-89, Cl. D2-25.000.
Cicora, Bernard, to Ready Metal Manufacturing Company. Projecting serving window. 301,379, 5-30-89, Cl. D25-52.000.
Cincinnati Time, Inc.: *See—*
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Cineonix, Inc.: *See—*
- Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 299,244, Cl. D16-244.000.
- Jones, John A.; and Marchus, L. Mark, 299,245, Cl. D16-245.000.
- Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 300,037, Cl. D16-244.000.

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- Philosophe, Isidore, 304,880, Cl. D3-35.000.

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- Uredat, Claus K., 300,585, Cl. D6-366.000.
- Uredat, Claus K., 300,587, Cl. D6-379.000.

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- Sugimoto, Isao, 301,141, Cl. D14-111.000.
- Tsukui, Shigeru, 299,811, Cl. D10-32.000.

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- Ogasawara, Yoshinari; and Muto, Yoshiichi, 301,917, Cl. D23-235.000.

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- Roman, Gianfranco, 299,267, Cl. D23-262.000.

Claesson, Hans. Grapnel anchor. 303,368, 9-12-89, Cl. D12-215.000.
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- Bressler, Peter W.; and Schneider, Eric A., 303,044, Cl. D6-308.000.
- Reeves, Kevin E.; and Wistrand, John C., 299,278, Cl. D28-35.000.
- Reeves, Kevin E.; and Wistrand, John C., 299,279, Cl. D28-35.000.

Clairson Corporation: *See—*
- Muth, William H., 299,436, Cl. D10-62.000.

Clairson International: *See—*
- Remmers, Lee, 305,272, Cl. D34-42.000.

Clarence J. Venne, Inc.: *See—*
- Venne, Clarence J.; and Venne, Richard A., 300,118, Cl. D9-350.000.
- Venne, Clarence J.; and Venne, Richard A., 303,926, Cl. D9-349.000.

Clark, Billy R. Sock. 302,488, 8-1-89, Cl. D2-332.000.
Clark, David L. Weather-protected rear view mirror. 303,646, 9-26-89, Cl. D12-187.000.
Clark, David L. Hub cap having a cloth center and holder therefor. 303,648, 9-26-89, Cl. D12-204.000.
Clark, Fred C., to Lot-A-Wata, Inc. Automatic pet waterer and feeder. 300,277, 3-14-89, Cl. D30-122.000.
Clark, James C. Sled. 302,536, 8-1-89, Cl. D12-10.000.
Clark, Kenneth. Chair. 300,482, 4-4-89, Cl. D6-358.000.
Clark, Larry M., to L.A. Gear, Inc. Shoe upper. 303,038, 8-29-89, Cl. D2-314.000.
Clark, Larry M., to L.A. Gear, Inc. Shoe sole. 304,520, 11-14-89, Cl. D2-320.000.
Clark, Larry M., to L.A. Gear, Inc. Shoe out sole. 304,521, 11-14-89, Cl. D2-320.000.
Clark, M. John, to TMI Systems Design Corporation. Cabinet railing. 302,086, 7-11-89, Cl. D6-491.000.
Clark, Margo. Guitar body. 299,834, 2-14-89, Cl. D17-20.000.
Clarke, Paul F. Clip-on automobile body side molding. 304,711, 11-21-89, Cl. D12-190.000.
Clary, Robert C. Utility belt. 303,318, 9-12-89, Cl. D2-627.000.
Claxton, Bruce A.; Althans, Richard K.; Scheid, William J.; and Richards, Scott H., to Motorola, Inc. Portable two-way radio or similar article. 302,686, 8-8-89, Cl. D14-137.000.
Claxton, Bruce A.; and Lay, Khoo B., to Motorola, Inc. Portable two-way radio or similar article. 302,687, 8-8-89, Cl. D14-137.000.
Claxton, Bruce A.: *See—*
- Siddoway, Craig F.; Richards, Scott H.; Claxton, Bruce A.; Reid, Kevin C.; and Goodman, Robert M., 300,928, Cl. D14-100.000.
- Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., 299,226, Cl. D13-8.000.
- Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., 302,688, Cl. D14-137.000.

Clear Flow Co., Inc., The: *See—*
- McNeely, Prentice J., 300,863, Cl. D25-113.000.

Cleavenger, Carla F. Child's booster seat. 300,992, 5-9-89, Cl. D6-333.000.
Clemens, George S.; and Mackay, Spencer L., to Dental Research Corporation. Combined electric periodontal brush and mounting bracket. 303,876, 10-10-89, Cl. D4-101.000.
Clemens, Kevin F.; and McGinty, Robert D., to Michelin Recherche et Technique. Tire. 300,016, 2-28-89, Cl. D12-147.000.
Clement, Alexandre; Debrosse, Laure; Mallet, Francois; De Saint-Denis, Francis; and Sorin, Jacques, to l'Ecole Nationale Superieure de Creation Industrielle. Stroller. 301,850, 6-27-89, Cl. D12-129.000.
Clements, Carl E., to Clements, Carl E. Storage container for burial, or the like. 303,032, 8-22-89, Cl. D99-1.000.
Clifton, Robert T., to Vulcan Aircraft Corporation. Vertical short takeoff and landing aircraft. 302,676, 8-8-89, Cl. D12-326.000.
Cline, Robert R.: *See—*
- Cutberth, Jeffrey L.; Cline, Robert R.; and Cekic, Milosay, 299,867, Cl. D25-1.000.

Clinical Product Development, Ltd.: *See—*
- Peters, Joseph L., 301,373, Cl. D24-26.000.

Clink Products, Inc.: *See—*
- Selke, George V., 299,911, Cl. D11-5.000.

Clover Mfg. Co., Ltd.: *See—*
- Okada, Hidekazu, 299,488, Cl. D9-307.000.
- Okada, Hidekazu, 301,556, Cl. D10-97.000.

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- Rojko, Josef; and Rojko, Maria, 303,725, Cl. D29-20.000.

Clowers, Earl R., to Porter Cable Corporation. Bayonet saw. 300,716, 4-18-89, Cl. D8-64.000.
Clunk, Ronald I.; and Wallet, Bill J., to Firestone Tire & Rubber Company, The. Tire. 301,857, 6-27-89, Cl. D12-147.000.
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- Wallet, Bill J.; and Clunk, Ronald I., 299,329, Cl. D12-146.000.

Clyde-Mason, Jean, to Casablanca Fan Company, Inc. Floor lamp. 302,332, 7-18-89, Cl. D26-110.000.
Clyde-Mason, Jean, to Casablanca Fan Company, Inc. Ceiling light fixture. 303,436, 9-12-89, Cl. D26-86.000.
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Coat Conformers, Inc.: *See—*
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Coates, Fredrica V. Combination bib with pacifier holder. 300,281, 3-21-89, Cl. D2-229.000.
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- Redaelli, Piergiorgio, 302,681, Cl. D14-230.000.

Coburn, Ronald, to R. Case & Sons Cutlery Co. Combined pen and knife. 302,174, 7-11-89, Cl. D19-36.000.
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- Credle, William S., Jr., 304,283, Cl. D7-397.000.
- Hunt, John D., 299,392, Cl. D6-479.000.
- Morgan, Annis R., Jr., 300,153, Cl. D20-8.000.
- Saunders, William J.; and Kirschner, Jonathan, 301,978, Cl. D9-375.000.
- Schechter, Alvin H.; and Thompson, Carl R., 301,193, Cl. D7-308.000.
- Schechter, Alvin H.; and Thompson, Carl R., 301,672, Cl. D7-398.000.
- Schechter, Alvin H.; and Thompson, Carl R., 302,369, Cl. D7-308.000.
- Schechter, Alvin H.; and Thompson, Carl R., 304,413, Cl. D7-397.000.
- Sedam, Jason K.; and Mucha, Lawrence S., 303,084, Cl. D9-376.000.

Cocagne, Pierre. Refrigerated display case. 302,910, 8-22-89, Cl. D6-470.000.
Cochran, Eula G. Tub attachment for a clothes washer or dryer. 302,851, 8-15-89, Cl. D23-284.000.
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- Wilson, John H.; Coffey, Kenneth W.; Smith, Toby E.; Richards, David; Mohd, Maqsood; and Cody, Lee, 299,747, Cl. D24-40.000.

Cody, Richard W.: *See—*
- Kolman, Kenneth R.; Nyberg, Michael J.; Cody, Richard W.; and Fuerst, Rory W., 302,900, Cl. D2-317.000.

Coffer, Jerry W. Bird feeder. 299,770, 2-7-89, Cl. D30-127.000.
Coffey, Johnnie A.; and Wang, James P., to International Business Machines Corporation. Printer. 302,439, 7-25-89, Cl. D18-13.000.
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- Wilson, John H.; Coffey, Kenneth W.; Smith, Toby E.; Richards, David; Mohd, Maqsood; and Cody, Lee, 299,747, Cl. D24-40.000.

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Cohen, Anthony D. Ratchetting pipe wrench. 302,513, 8-1-89, Cl. D8-22.000.
Cohen, James D. Fabric imprinting implement. 303,682, 9-26-89, Cl. D18-15.000.
Cohen, Joel S.: *See—*
- Lasker, Martin L.; and Cohen, Joel S., 303,719, Cl. D26-65.000.

Cohen, Maurice. Mobile restaurant. 301,108, 5-16-89, Cl. D7-334.000.
Cohen, Milton L.; and Siegel, Jeff, to Lifetime Cutlery Corporation. Knife. 302,092, 7-11-89, Cl. D7-151.000.
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- Cayce, David; and Cohen, Wayne E., 302,109, Cl. D8-398.000.

Cohn, Robert J., to InterMetro Industries Corporation. Top shelf for a modular cart. 304,115, 10-17-89, Cl. D34-27.000.
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Colby, Donald B., to Tropitone Furniture Company, Inc. Coffee table. 300,996, 5-9-89, Cl. D6-487.000.
Colclasure, George M., to Laid Back Enterprises, Inc. Novelty tennis thong or similar article. 300,082, 3-7-89, Cl. D2-270.000.
Colclasure, George M., to Laid Back Enterprises, Inc. Novelty golf ball figure with snow shoes. 300,335, 3-21-89, Cl. D21-155.000.
Colclasure, George M., to Laid Back Enterprises, Inc. Novelty golf ball figure with boots. 300,336, 3-21-89, Cl. D21-155.000.
Colclasure, George M., to Laid Back Enterprises, Inc. Novelty ski seat. 304,361, 10-31-89, Cl. D21-230.000.
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Coleman, Brenda D. Eardrop holder. 301,700, 6-20-89, Cl. D11-86.000.
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- Schmidt, Franklin T.; and Hill, David W., 300,470, Cl. D26-45.000.

Coleman, Ronald. Pennant clock. 303,935, 10-10-89, Cl. D10-6.000.
Coletta, Ralph; and LaGuardia, Joseph M. Coloring instrument. 300,640, 4-11-89, Cl. D19-51.000.
Coley, Bill G., to Lee Industries. Sofa. 305,184, 12-26-89, Cl. D6-381.000.
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- Segati, Umberto D. I., 303,100, Cl. D9-408.000.
- Segati, Umberto D. I., 304,297, Cl. D9-376.000.
- Zogg, Jon R.; and Curtis, John P., 302,586, Cl. D24-15.000.

Colker, Daniel R.; Gallagher, Lawrence J.; and Vega, Antonio R., to Loral Electro Optical Systems. Laser operated repeating small arms transmitter. 299,714, 2-7-89, Cl. D13-19.000.
Colla, Daniele, to Italgel S.p.A. Ice cream package. 303,500, 9-19-89, Cl. D9-414.000.
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Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, to Goodyear Tire & Rubber Company, The. Design for a tire. 303,513, 9-19-89, Cl. D12-147.000.
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- Reynolds, David P.; Shepard, John D.; and Stone, Samuel L., Jr., 301,025, Cl. D12-155.000.

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- Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, 303,921, Cl. D8-98.000.
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Collins, John A., Jr. Orthodontic appliance. 304,371, 10-31-89, Cl. D24-10.000.
Collins, Martin W.; and Smith, William B., to SoundScape Speakers, Inc. Outdoor loudspeaker. 303,970, 10-10-89, Cl. D14-216.000.
Collins, Thomas J.; Stier, Donald C.; Graham, Thomas G.; and Schneider, Pina, to Keptel, Inc. Network interface enclosure. 300,923, 5-2-89, Cl. D13-31.000.
Collins, Thomas J.; Schneider, Pina; Nieves, Anthony L.; and Graham, Thomas G., to Keptel, Inc. Telephone network interface apparatus. 304,339, 10-31-89, Cl. D14-240.000.
Collins, Walter W.; Bendickson, Roy B.; and Seaton, Robert A., to Fiskars Oy Ab. Pruner handle assembly. 305,090, 12-19-89, Cl. D8-4.000.
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Colsen, Ronnie H.; and Kairis, Alexandre V., to Waco Trading Corporation. Electro-therapeutic applicator for use with an electronic circuit to locate and stimulate acupuncture points. 299,864, 2-14-89, Cl. D24-41.000.
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- Nakao, Shinroku; Ishii, Yoshiyasu; and Hanashima, Taira, 302,189, Cl. D21-63.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsumoto, Susumu, 302,707, Cl. D21-74.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsumoto, Susumu, 303,459, Cl. D6-333.000.
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Conner, Melaney L., to Doskocil Manufacturing Co., Inc. Cat litter box. 300,967, 5-2-89, Cl. D30-161.000.
Conner, Melaney L., to Doskocil Manufacturing Co., Inc. Cat litter box. 300,968, 5-2-89, Cl. D30-161.000.
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Contractor, Avinash M.; Auslander, David E.; and Grim, Wayne M., to Rorer Pharmaceutical Corporation. Pharmaceutical tablet. 301,766, 6-20-89, Cl. D28-2.000.
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Copeland, A. Eugene. Light switch protective shield. 301,872, 6-27-89, Cl. D13-32.000.
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Prindle, William A., 303,056, Cl. D7-50.000.
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Corrie, Alexander S. Fishing hand caster. 304,754, 11-21-89, Cl. D22-137.000.

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Cottrell, Roger C., to Michelin Recherche et Technique. Tire. 300,017, 2-28-89, Cl. D12-147.000.
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Cowan, Murray L., to Textron, Inc. Top shell for expansion bracelet link. 301,125, 5-16-89, Cl. D11-93.000.
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Cowan, Murray L., to Textron Inc. Expansion bracelet. 304,696, 11-21-89, Cl. D11-25.000.
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Cranston, William V., III; Martin, Randall W.; Small, Mark S.; and Young, Mark A., to International Business Machines Corp. Disk drive shroud enclosure for an industrial computer. 304,178, 10-24-89, Cl. D14-109.000.
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- DeCandia, Giovanni, to FL Industries, Inc. Combined outdoor floodlight and photo electric control therefor. 301,754, 6-20-89, Cl. D26-63.000.
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- Deighan, Patrick J. K., to General Electric Company. Housing for a radio telephone handset. 303,259, 9-5-89, Cl. D14-138.000.
- de Keller, David G. Game board. 301,900, 6-27-89, Cl. D21-40.000.
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- Delepine, Jean-Claude. Bathtub. 301,922, 6-27-89, Cl. D23-281.000.
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- Dickens, Jacqueline B. Finger puppet. 304,051, 10-17-89, Cl. D21-153.000.
- Dickens, Jacqueline B. Finger puppet. 304,052, 10-17-89, Cl. D21-153.000.
- Dickens, Jacqueline B. Finger puppet. 304,053, 10-17-89, Cl. D21-153.000.
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- Dickerman, Brian R., to Dickerman, Brian R. Ski rack. 302,262, 7-18-89, Cl. D12-157.000.
- Dickerson, Nathan A. Restaurant building. 305,263, 12-26-89, Cl. D25-10.000.
- Dickie, Robert G., to Northern Technologies, Ltd. Keyboard. 299,495, 1-24-89, Cl. D14-100.000.
- Dickie, Robert G., to Northern Technologies Ltd. Video display terminal. 299,825, 2-14-89, Cl. D14-106.000.
- Dickinson, Thomas, to Contico Automotive, Inc. Combined pickup truck utility box and leg supports therefor. 300,019, 2-28-89, Cl. D12-157.000.
- Dickson, Douglas M., to General Electric Company. Front panel for a two-way mobile radio. 300,634, 4-11-89, Cl. D14-257.000.
- Dickson, Douglas M., to General Electric Company. Front panel for a two-way mobile radio. 300,635, 4-11-89, Cl. D14-257.000.
- Dickson, James F.: *See—*
  - Barrs, Amy W.; Brown, Kurtis L.; Dickson, James F.; and Englebert, Stephen M., 301,667, Cl. D6-518.000.
- DiCola, Vince, to Thomas Industries Inc. Post lantern or the like. 302,326, 7-18-89, Cl. D26-67.000.
- DiCola, Vince, to Thomas Industries Inc. Post lantern or the like. 302,327, 7-18-89, Cl. D26-67.000.
- Dicola, Vince, to Thomas Industries Inc. Chandelier or the like. 304,768, 11-21-89, Cl. D26-84.000.
- DiCola, Vince, to Thomas Industries Inc. Cornice lighting reflector or the like. 304,862, 11-28-89, Cl. D26-76.000.
- DiCola, Vince: *See—*
  - Fretz, John; and DiCola, Vince, 302,329, Cl. D26-67.000.
- Dictaphone Corporation: *See—*
  - Jachmann, Emil F.; and Weisz, Sandor F., 302,275, Cl. D14-164.000.
  - Weisz, Sandor F.; and Blance, Andrew J., 299,716, Cl. D14-141.000.
  - Weisz, Sandor F.; and Blance, Andrew J., 301,337, Cl. D14-217.000.
- Dideriksen, Erling T., to Interlego A.G. Toy rotor element. 304,047, 10-17-89, Cl. D21-108.000.
- Dideriksen, Erling T., to Interlego A.G. Cockpit element for a toy aircraft. 304,468, 11-7-89, Cl. D21-91.000.
- Dideriksen, Erling T., to Interlego A.G. Toy fence. 304,740, 11-21-89, Cl. D21-109.000.
- Diebold, Incorporated: *See—*
  - Long, Douglas G., 304,198, Cl. D15-9.100.
- Diehl, Hans. Table. 299,893, 2-21-89, Cl. D6-484.000.
- Diehl, Hans. Modular joint for the assembly of pieces of furniture, suspended ceilings, wall paneling or the like. 301,954, 7-4-89, Cl. D6-491.000.
- Diehl, Patrick. Chest. 299,295, 1-10-89, Cl. D6-434.000.
- Dieken, Alan P.: *See—*
  - Studer, John E., Jr.; Dufresne, Joel R.; and Dieken, Alan P., 303,430, Cl. D24-41.000.
- Diekman, Norman J., to Stow & Davis Furniture Company. Desk. 304,653, 11-21-89, Cl. D6-428.000.
- Dieterich Standard Corp.: *See—*
  - Mesnard, David R.; and Kalin, Horst W., 302,397, Cl. D10-96.000.
- DiFrank, Frank J. Bag support. 299,575, 1-24-89, Cl. D34-6.000.
- Diggins, Danny R.: *See—*
  - Harris, Godfrey; Diggins, Danny R.; and Spence, Pat, 300,948, Cl. D24-64.000.
- Di Gianni, John, to Sunola Food Corporation. Jug. 304,682, 11-21-89, Cl. D9-378.000.
- Digital Equipment Corporation: *See—*
  - Akagi, Kenichi; Bushman, Douglas; Hodes, Diane G.; and Koepke, Marcus C., 300,324, Cl. D14-114.000.
  - Akagi, Kenichi; and Koepke, Marcus C., 302,684, Cl. D14-115.000.
  - Freeman, Michael; Hattle, Sally A.; and Romm, Michael, 303,246, Cl. D13-30.000.
  - Landry, Christian C.; and Faranda, Robert T., 299,347, Cl. D14-113.000.
  - Morgan, Stuart K., 300,829, Cl. D14-113.000.
- Dillner, James M.; and Saint, Nathanael, to Graco Metal Products Inc. Foldable playyard. 304,523, 11-14-89, Cl. D6-391.000.
- Dillon, Richard R.: *See—*
  - Cesarczyk, Edward J.; and Dillon, Richard R., 304,176, Cl. D14-102.000.
- Din-Her, Chen. Combined air cooler and heater. 299,524, 1-24-89, Cl. D23-314.000.
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- Dinand, Pierre, to Florbath - Profumi Di Parma. Bottle. 299,429, 1-17-89, Cl. D9-413.000.
- Dinand, Pierre, to Parfums Loris Azzaro. Bottle. 302,115, 7-11-89, Cl. D9-352.000.
- Dinand, Pierre, to Calvin Klein Cosmetics Corporation. Bottle. 302,792 8-15-89, Cl. D9-377.000.

- Dinerman, Edward V. Combined flower vases and holder. 304,554, 11-14-89, Cl. D11-147.000.
- D'Innocente, Ralph, to Jacuzzi Inc. Whirlpool-Spa. 301,374, 5-30-89, Cl. D24-38.000.
- D'Innocente, Ralph: *See—*
  - Jacuzzi, Roy A., Pauls, James R.; and D'Innocente, Ralph, 305,062, Cl. D24-38.000.
  - Jacuzzi, Roy A.; D'Innocente, Ralph; and Pruscha, Peter K., 305,063, Cl. D24-38.000.
  - Pauls, James R.; and D'Innocente, Ralph, 305,061, Cl. D24-38.000.
- Dirscherl, Hans, to Textron, Inc. Watch strap. 303,773, 10-3-89, Cl. D11-3.000.
- Discovery Toys, Inc.: *See—*
  - Klitsner, Daniel B., 304,216, Cl. D21-108.000.
  - Klitsner, Daniel B., 304,217, Cl. D21-108.000.
  - Klitsner, Daniel B., 304,218, Cl. D21-108.000.
  - Klitsner, Daniel B., 305,042, Cl. D21-143.000.
  - Klitsner, Daniel B., 305,043, Cl. D21-143.000.
  - Klitsner, Daniel B., 305,044, Cl. D21-143.000.
  - Klitsner, Daniel B., 305.045, Cl. D21-143.000.
  - Klitsner, Daniel B., 305,046, Cl. D21-143.000.
  - Klitsner, Daniel B., 305,047, Cl. D21-143.000.
- Disketech International, Inc.: *See—*
  - Lemmens, Harry M.; Kossack, Edgar W.; and Coburn, Terry J., 300,393, Cl. D6-432.000.
- Ditzik, Richard J. Computer display terminal. 303,956, 10-10-89, Cl. D14-106.000.
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  - Peters, W. J. P., 301,613, Cl. D24-17.000.
- Dively, Robert C., to Sea Technology, Ltd. Lower and utility distribution pedestal for boats and recreational vehicles. 299,821, 2-14-89, Cl. D13-31.000.
- Diversified Visual Techniques, Inc.: *See—*
  - Lowe, John J.; Stipe, Robert L.; and Fujii, Alan J., 304,938, Cl. D14-121.000.
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- Dixon, Carlas F.: *See—*
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- Dixon, Gerald A. Collapsible cargo container. 304,689, 11-21-89, Cl. D9-424.000.
- Dixon, Herbert O.: *See—*
  - Bonstead, Douglas L.; and Dixon, Herbert O., 303,948, Cl. D12-191.000.
- Dixson, Chester L.; and Wadsworth, Odena L. Jewelry pendant. 301,122, 5-16-89, Cl. D11-76.000.
- Do-All Jewelry Mfg. Co., Inc.: *See—*
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  - Zuidema, Gary; Schelling, John; and Dodds, Steve, 299,983, Cl. D2-320.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy jet plane. 301,350, 5-30-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,351, 5-30-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,352, 5-30-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,355, 5-30-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,356, 5-30-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,901, 6-27-89, Cl. D21-150.000.
- Doi, Takayoshi, to Takara Co., Ltd. Reconfigurable toy hawk. 305,052, 12-12-89, Cl. D21-160.000.
- Doi, Takayoshi, to Takara Co., Inc. Reconfigurable toy puma. 305,053, 12-12-89, Cl. D21-163.000.
- Doi, Tetsuyuki; and Hiraishi, Etsuo, to Ryobi Ltd. Fishing reel. 299,849, 2-14-89, Cl. D22-141.000.
- Doi, Tetsuyuki; and Hiraishi, Etsuo, to Ryobi Limited. Fishing reel. 300,055, 2-28-89, Cl. D22-141.000.
- Doi, Tetsuyuki; and Nouma, Masaharu, to Ryobi Ltd. Fishing reel. 300,842, 4-25-89, Cl. D22-140.000.
- Doi, Tetsuyuki; and Hiraishi, Etsuo, to Ryobi Ltd. Fishing reel. 300,843, 4-25-89, Cl. D22-140.000.
- Doi, Tetsuyuki; and Maehara, Kenso, to Ryobi Limited. Numbering machine. 302,173, 7-11-89, Cl. D18-13.000.
- Dole, Charles M.; Webster, Gary L.; and Karlis, Robert G., to Cadbury Schweppes, PLC. Carbon dioxide bottle. 300,120, 3-7-89, Cl. D9-434.000.
- Dolfi, Sergio. Lamp or the like. 302,048, 7-4-89, Cl. D26-103.000.
- Dolfi, Sergio. Lamp or the like. 302,331, 7-18-89, Cl. D26-103.000.
- Dolwin, Craig: *See—*
  - Martensson, Nils E. V.; Harrison, Peter D.; Perry, David C.; New, John H.; Major, Ron; Dolwin, Craig; and Cant, Malcolm C., 302,423, Cl. D14-138.000.
- Doman, Donald W.; Bakula, Gerald R.; Zuzinec, Raymond R., Sr.; Christensen, Thomas J.; and Parise, Jack A., to Snap-on Tools Corporation. Engine analyzer. 299,910, 2-21-89, Cl. D10-78.000.
- Domian, Robert E., to Kingston Tool Company, Inc. Revolver. 299,674, 1-31-89, Cl. D22-104.000.
- Dommerud, Svein A., to A/S Apotekernes Faellesindkjop. Collapsible stretcher. 301,021, 5-9-89, Cl. D12-128.000.
- Domon, Yoshihiro: *See—*
  - Fujita, Toshiharu; Yamazaki, Hiroyoshi; Maeda, Noriyuki; Shimizu, Kazutaka; Tanaka, Norihiko; Domon, Yoshihiro; Iwasawa, Kiyoshi; Futatsugi, Mitsuyuki; Takizawa, Fuminobu; Suzuki, Masakatsu; and Kosaka, Makoto, 304,377, Cl. D26-3.000.
- Don Evans, Inc.: *See—*
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- Donato, Anthony C., to Lightolier Incorporated. Spotlight. 299,552, 1-24-89, Cl. D26-63.000.
- Donato, Anthony C., to Lightolier Incorporated. Spotlight. 299,553, 1-24-89, Cl. D26-63.000.
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- Donnor, Karen A., to Quaker Oats Company, The. Diaper bag. 299,384, 1-17-89, Cl. D3-53.000.
- Donnor, Karen A., to Quaker Oats Company, The. Tote bag. 303,321, 9-12-89, Cl. D3-52.000.
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  - Conner, Melaney L., 300,966, Cl. D30-161.000.
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  - Smith, E. W., 300,583, Cl. D3-72.000.
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- Downs, Karen J. Baby bottle. 302,039, 7-4-89, Cl. D24-47.000.
- Dowse, Kent A., to Pearl Baths Inc. Whirlpool bathtub. 300,661, 4-11-89, Cl. D24-38.000.
- Doyle, Edward J., to Conair Corporation. Combined carrying case and heating unit for hair curlers. 302 738, 8-8-89, Cl. D28-38.000.
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- Drane, John H., to Bridisco Limited. Push button bell chime. 300,528, 4-4-89, Cl. D13-38.000.
- Drane, John H., to Bridisco Limited. Push button door chime. 302,545, 8-1-89, Cl. D13-32.000.
- Draper, A. Allen. Storage container for trash cans. 300,679, 4-11-89, Cl. D34-4.000.
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- Drew, Douglas, to Noma Inc. Electrical receptacle plug. 301,462, 6-6-89, Cl. D13-28.000.
- Drew, Douglas, to Noma Inc. Electrical connecting plug. 301,463, 6-6-89, Cl. D13-28.000.
- Drew, Douglas, to Noma Inc. Electrical connector. 303,952, 10-10-89, Cl. D13-30.000.
- Drew, Douglas, to Noma Inc. Electrical connector. 303,953, 10-10-89, Cl. D13-30.000.
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- Driscoll, Dennis, to Asahi Corporation. Sole. 303,871, 10-10-89, Cl. D2-320.000.
- Drought, Nicholas A. M.; and Vallis, Keith, to Black & Decker Inc. Combination flat hose and reel cassette frame therefor. 299,618, 1-31-89, Cl. D8-359.000.
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- Dubeck, John A.; and Dubeck, Charlotte. Protective pad for a seat belt. 302,748, 8-8-89, Cl. D29-10.000.
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- Duckro, John E., Jr.; and Duckro, Barbara A., to Duckro, John E., Jr. Combined fishing rod rack and carrier. 300,283, 3-21-89, Cl. D3-38.000.
- Duclo, Marley; Webb, Edward H.; and Miller, Darwin L., to Wetjet International, Ltd. Boat hull. 301,029, 5-9-89, Cl. D12-312.000.
- Duclos, Gary, to Rockport Company, The. Shoe upper. 301,082, 5-16-89, Cl. D2-314.000.
- Duclos, Gary, to Highland Import Corporation. Shoe upper. 301,183, 5-23-89, Cl. D2-314.000.
- Duclos, Gary; and Bianchini, William, to Highland Import Corporation. Shoe outsole. 301,284, 5-30-89, Cl. D2-320.000.
- Duclos, Gary; and Kravetz, Stanley, to Highland Import Corporation. Shoe sole. 301,391, 6-6-89, Cl. D2-320.000.
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- Duncan, Nancy C.; and Schorsch, Louis O., to Duncan, Nancy C. Foot massager. 299,749, 2-7-89, Cl. D24-42.000.
- Duncan, Samuel E. Fishing lure head. 300,764, 4-18-89, Cl. D22-133.000.
- Dunchock, Richard S., to SL Corporation. Storage cart. 300,071, 2-28-89, Cl. D34-17.000.
- Dunham, Leslie N. Vehicle sunvisor. 299,713, 2-7-89, Cl. D12-191.000.
- Dunkfeld, Fred O., Jr. Carrying case for picnic supplies. 302,904, 8-22-89, Cl. D3-74.000.
- Dunlap, Kenneth W.; and Bardwell, David, to Derata Corporation. Medicament injector. 304,616, 11-14-89, Cl. D24-24.000.
- Dunlap, Steven K.; and Jurczyk, Richard A., to I.O.O.H., Inc. Doll. 304,747, 11-21-89, Cl. D21-171.000.
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  - Buck, David L.; and Siegel, Edward F., Jr., 302,414, Cl. D12-147.000.
- Dunn, Gary D. Weatherized display board for construction sites. 304,348, 10-31-89, Cl. D20-10.000.
- Dunnick, Julian S., to Capitol Products Corporation. Frame member for a window jamb for a bow window or the like. 302,857, 8-15-89, Cl. D25-119.000.
- Dunnick, Julian S., to Capitol Products Corporation. Frame member for a window jamb for a bow window or the like. 302,858, 8-15-89, Cl. D25-119.000.
- Dunse, Walter D. Game-ball. 301,161, 5-16-89, Cl. D21-203.000.
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- Dupasquier, Tony; and Dupasquier, Robert L., to ARO Metal Stamping Co., Inc. Heat sink. 301,334, 5-30-89, Cl. D13-23.000.
- Dupont, Robert W. Golf putter head. 300,839, 4-25-89, Cl. D21-218.000.
- Duran, David C.; Casey, John P.; Marion, James G.; and McGrew, M. Allen. Automobile vacuum cleaner. 302,612, 8-1-89, Cl. D32-4.000.
- Duran, Rosalie V. Lottery scraper. 302,879, 8-15-89, Cl. D32-46.000.
- Durand, Jean C., to Roblot, S.A. Coffin. 300,979, 5-2-89, Cl. D99-7.000.
- Durand, Jean-Jacques. Stemmed wine glass or similar article. 299,200, 1-3-89, Cl. D7-13.000.
- Durand, Jean-Jacques. Stemmed wine glass or similar article. 299,201, 1-3-89, Cl. D7-13.000.
- Durand, Jean-Jacques. Wine glass or similar article. 299,298, 1-10-89, Cl. D7-11.000.
- Durand, Jean-Jacques. Stemmed wine glass or similar article. 299,299, 1-10-89, Cl. D7-13.000.
- Durand, Jean-Jacques. Vase or similar article. 299,319, 1-10-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Vase or similar article. 299,320, 1-10-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Vase or similar article. 299,442, 1-17-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Vase or similar article. 299,443, 1-17-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Vase or similar article. 299,444, 1-17-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Mug or similar article. 299,605, 1-31-89, Cl. D7-9.000.
- Durand, Jean-Jacques. Vase or similar article. 299,625, 1-31-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Vase or similar article. 299,626, 1-31-89, Cl. D11-153.000.
- Durand, Jean-Jacques. Stemmed wine glass or similar article. 299,993, 2-28-89, Cl. D7-13.000.
- Durand, Jean-Jacques. Tumbler or similar article. 300,100, 3-7-89, Cl. D7-6.000.
- Durand, Jean-Jacques. Tumbler or similar article. 300,706, 4-18-89, Cl. D7-14.000.
- Durand, Jean-Jacques. Tumbler or similar article. 301,426, 6-6-89, Cl. D7-13.000.
- Durand, Jean-Jacques. Perfume bottle. 302,660, 8-8-89, Cl. D9-403.000.
- Durand, Jean-Jacques. Platter or similar article. 303,898, 10-10-89, Cl. D7-28.000.
- Durand, Jean-Jacques. Perfume bottle. 303,930, 10-10-89, Cl. D9-403.000.
- Durand, Jean-Jacques. Cup. 305,194, 12-26-89, Cl. D7-9.000.
- Durbin, Dennis A.: *See—*
  - Danielson, Arvin D.; Durbin, Dennis A.; Lippisch, George G.; Fischer, Kevin L.; and Dunbar, Lyndon L., 303,113, Cl. D14-106.000.
- Durgin, Robert D. Frost and ice scraper. 303,859, 10-3-89, Cl. D32-46.000.
- Durham, Ira M., Jr., to Methodist Hospital System, The. Headwall unit for hospital rooms. 302,502, 8-1-89, Cl. D6-505.000.
- Durham, Ira M., Jr., to Methodist Hospital System, The. Headwall unit for hospital rooms. 303,743, 10-3-89, Cl. D6-505.000.
- Durham, Ira M., Jr., to Methodist Hospital System, The. Headwall unit for hospital rooms. 303,889, 10-10-89, Cl. D6-505.000.
- Duro-Dyne Corporation: *See—*
  - Giannone, Charles, 300,778, Cl. D23-393.000.
  - Hinden, Milton; and Giannone, Charles, 303,070, Cl. D8-30.000.
  - Hinden, Milton; and Lyons, John, 303,914, Cl. D8-14.100.
- Durr-Dental KG: *See—*
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- Dusi, Samuel T.: *See—*
  - Alfonso, Pedro M.; Dusi, Samuel T.; Foy, Hunter T.; Kelley, Ted F., Jr.; and Sapper, Richard F., 302,152, Cl. D14-113.000.
- Duvivier - Durev: *See—*
  - Duvivier, Jean-Marie, 301,412, Cl. D6-395.000.
- Duvivier, Jean-Marie, to Duvivier - Durev. Adjustable bed frame. 301,412, 6-6-89, Cl. D6-395.000.
- Duxbak, Inc.: *See—*
  - Yacovella, Thomas R., 299,793, Cl. D5-62.000.
- Dwelly, Vernon I. Two-chamber inflatable air cushion. 301,669, 6-20-89, Cl. D6-601.000.
- Dwyer Instruments, Inc.: *See—*
  - Hestich, John, 301,018, Cl. D10-85.000.
- Dyer, David C., to Ultimate Swivel Systems Limited. Cabinet. 300,487, 4-4-89, Cl. D6-446.000.
- Dyke, David E., to Dyke's Berry Farm. Plant support. 300,900, 5-2-89, Cl. D8-1.000.
- Dyke's Berry Farm: *See—*
  - Dyke, David E., 300,900, Cl. D8-1.000.
- Dykstra, John: *See—*
  - Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,257, Cl. D21-84.000.
  - Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,347, Cl. D21-84.000.
- Dyson, James, to Iona Appliances Inc./Appereils Iona Inc. Vacuum cleaner. 305,269, 12-26-89, Cl. D32-22.000.
- Dziurman, John J. Combined street lamp and sign. 300,374, 3-21-89, Cl. D26-68.000.
- E.C. Leather Goods, Inc.: *See—*
  - Brunell, Daniel J., 304,391, Cl. D3-71.000.

- E&G Classics, Inc.: *See—*
  - Eash, David D.; and Hannas, Richard, 304,167, Cl. D12-156.000.
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  - Kicherer, Robert; and Schreder, Felix, 299,407, Cl. D7-367.000.
  - Kicherer, Robert; and Schreder, Felix, 299,408, Cl. D7-367.000.
- E. R. Squibb and Sons, Inc.: *See—*
  - Steer, Peter L., 302,306, Cl. D24-58.000.
  - Steer, Peter L., 302,307, Cl. D24-58.000.
  - Steer, Peter L., 303,574, Cl. D24-58.000.
  - Steer, Peter L., 303,575, Cl. D24-58.000.
- E. W. Mold & Tool Company, Inc.: *See—*
  - Grannen, Walter A., III, 299,227, Cl. D13-8.000.
- Eads, Stephen R. Fence runner. 304,086, 10-17-89, Cl. D8-1.000.
- Eagle Affiliates, Inc.: *See—*
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- Eakin, Thomas G. Surgical appliance for incontinent women. 302,300, 7-18-89, Cl. D24-34.000.
- Earl, Norman M., to Bird Chef Co., Inc., The. Combined holder and dispenser for bird feed container. 302,875, 8-15-89, Cl. D30-124.000.
- Earley, John R.; and Stewart, Paul, to Bridge Products, Inc. Tire valve. 304,817, 11-28-89, Cl. D12-153.000.
- Easco Corporation: *See—*
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  - Krapowicz, Jacob C.; and Mader, William G., 300,296, Cl. D8-25.000.
- Eash, David D.; and Hannas, Richard, to E&G Classics, Inc. Decorative top adapted to be placed over the existing roof of a truck. 304,167, 10-24-89, Cl. D12-156.000.
- Eash, David D., to E&G Classics, Inc. Grille cap for a vehicle. 304,437, 11-7-89, Cl. D12-190.000.
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  - Russell, Richard H.; and McLinden, Thomas V., 303,350, Cl. D8-343.000.
  - Russell, Richard H.; and Kaiser, David W., 303,617, Cl. D8-306.000.
  - Russell, Richard H.; and Kaiser, David W., 303,618, Cl. D8-306.000.
  - Russell, Richard H.; Kaiser, David W.; and O'Grady, Richard M., 303,619, Cl. D8-313.000.
  - Russell, Richard H.; and Kaiser, David W., 303,620, Cl. D8-313.000.
  - Russell, Richard H.; and Kaiser, David W., 303,621, Cl. D8-313.000.
  - Russell, Richard H.; Kaiser, David W.; and O'Grady, Richard M., 303,922, Cl. D8-321.000.
  - Russell, Richard H.; and Kaiser, David W., 304,155, Cl. D8-303.000.
  - Weinerman, Lee S.; and Vargus, Joel T., 303,349, Cl. D8-331.000.
  - Weinerman, Lee S.; and Mayo, Steven A., 303,351, Cl. D8-344.000.
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  - Weinerman, Lee S.; and Vargus, Joel T., 304,291, Cl. D8-331.000.
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  - LaBudde, Brian R.; and Koek, Kevin C., 302,425, Cl. D14-114.000.
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- Easton Aluminum Incorporated: *See—*
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- Eaton Corporation: *See—*
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- Ebeling, Thomas, to 'totes', incorporated. Fabric porosity demonstrator. 300,726, 4-18-89, Cl. D10-46.000.
- Eberhardt, H. Alfred; Miller, David L.; and Laskaris, Michael A., to Hale Fire Pump Company. Housing for a portable pump. 303,533, 9-19-89, Cl. D15-7.000.
- Eberle, Gunter, to Hettich, Andreas. Centrifuge. 303,569, 9-19-89, Cl. D24-22.000.
- Eberle, Gunter, to Andreas Hettich. Centrifuge. 303,570, 9-19-89, Cl. D24-22.000.
- Ebert, Thomas P. Dual whirlpool bath display. 303,185, 9-5-89, Cl. D6-397.000.
- Ebert, Thomas P. Single whirlpool bath display. 303,329, 9-12-89, Cl. D6-397.000.
- Ebihara, Tooru: *See—*
  - Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ebihara, Tooru; Shimizu, Hideyasu; Tsunematsu, Shinichiro; and Takeda, Hirokazu, 304,722, Cl. D14-118.000.
- Ebihara, Yoshiyuki, to Etona Company, Limited. Stapler. 302,781, 8-15-89, Cl. D8-50.000.
- Ebihara, Yoshiyuki, to Etona Company, Limited. Stapler. 302,782, 8-15-89, Cl. D8-50.000.
- Ebihara, Yoshiyuki. Office stapler. 304,902, 12-5-89, Cl. D8-50.000.
- Ebling, Wendell V.: *See—*
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- EBSCO Industries, Inc.: *See—*
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- Eccles, Thomas. Ferrule for a stepped fishing rod. 301,514, 6-6-89, Cl. D22-142.000.
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  - Uchiyama, T., 299,589, Cl. D3-76.000.
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- Eckenrode, Doris A. Scrotal supporter. 304,775, 11-28-89, Cl. D2-10.000.
- Eckert, Ross J.; and Commisso, Domenico, to Kayak Manufacturing Corp. Swimming pool liner. 300,247, 3-14-89, Cl. D25-2.000.
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- Eckman, Hanford L.; and Eckman, Charles M. Mobile towel warmer and dryer. 303,004, 8-22-89, Cl. D23-317.000.
- Eckstedt, Paul D.; and Whitmire, Thomas W., to FMC Corporation. Aircraft deicer vehicle. 304,024, 10-17-89, Cl. D12-14.000.
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  - Jackson, Victor L., 305,199, Cl. D8-14.000.
- ECS Corporation: *See—*
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- Eddins, Raymond T. Weighted book marker. 300,228, 3-14-89, Cl. D19-34.000.
- Edgar B. Wilson, Inc.: *See—*
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- Edgecraft Corp.: *See—*
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- Edmisson, Delmar D., to Adams Hard-Facing Company, Inc. Overcap point for tillage tool. 299,350, 1-10-89, Cl. D15-29.000.
- Edmisson, Delmar D., to Adams Hard-Facing Company, Inc. Shank tip insert for tillage tool. 299,351, 1-10-89, Cl. D15-29.000.
- Edmonds, Keith, to Interplex Electronics, Inc. Breadboarding card for a personal computer in a microprocessor kit. 303,520, 9-19-89, Cl. D13-24.000.
- Edmonds, Keith, to interplex Electronics, Inc. Breadboarding card for a personal computer. 304,441, 11-7-89, Cl. D13-24.000.
- Edmonds Medical Systems, Inc.: *See—*
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- Edmondson, Farrell R., to Emcee Electronics, Inc. Digital display housing. 301,312, 5-30-89, Cl. D10-81.000.
- Edwards, Keith, to Custom Trailer, Incorporated. Equipment trailer. 299,219, 1-3-89, Cl. D12-101.000.
- Edwards, Thomas M., to Herman Miller, Inc. Coat hook. 300,089, 3-7-89, Cl. D6-323.000.
- Egan, Dorothy U. Combined visor and hair piece. 302,484, 8-1-89, Cl. D2-248.000.
- Egarton, Harry, Jr. Display case. 303,739, 10-3-89, Cl. D6-470.000.
- Egashira, Yoshimi, to Harada Kogyo Kabushiki Kaisha. Mount for a cellular antenna. 302,160, 7-11-89, Cl. D14-238.000.
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- Eisele, Alfred O. Egg cooker. 302,376, 7-25-89, Cl. D7-361.000.
- Eisendrath, Stuart J. Diaper dispenser. 302,949, 8-22-89, Cl. D9-432.000.
- Ekco Housewares, Inc.: *See—*
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  - Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 302,776, Cl. D7-102.000.
  - Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 302,777, Cl. D7-104.000.
  - Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 303,058, Cl. D7-99.000.
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- Elderkin, Lincoln. Combined door and storage chest or similar article. 305,153, 12-19-89, Cl. D25-48.000.
- Eldon Industries, Inc.: *See—*
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- Eldridge, Charles R. Shelving unit. 300,593, 4-11-89, Cl. D6-569.000.
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- Elliott, David C. Combined clothes tree and nightlight. 302,082, 7-11-89, Cl. D6-412.000.
- Elliott, Glenaan M., to Glenaan, Inc. Handbag. 300,184, 3-14-89, Cl. D3-51.000.
- Elliott, Raymond D. Dental delivery unit. 302,585, 8-1-89, Cl. D24-4.000.
- Elliott, Ruth, to Hestair Kiddicraft Limited. Pounding activity toy. 299,727, 2-7-89, Cl. D21-59.000.
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- Elmore, Edgar R. Game board. 302,184, 7-11-89, Cl. D21-33.000.
- Elrod, Elliot. Litter scoop. 304,248, 10-24-89, Cl. D30-162.000.
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  - Case, Robert; Morrow, James D.; and Podd, George O., III, 305,167, Cl. D32-18.000.
  - Hayes, Robert J.; and Redman, James C., 299,466, Cl. D15-130.000.
  - Schmitt, Thomas J., 300,252, Cl. D25-68.000.
  - Wallick, Claude R., Jr.; and Schmitt, Thomas J., 300,365, Cl. D25-64.000.
  - Wallick, Claude R., Jr.; and Schmitt, Thomas J., 300,366, Cl. D25-68.000.
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- Emhart Industries, Inc.: *See—*
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- Endo, Aiko; and Ohba, Yasuo, to Canon Kabushiki Kaisha. Ink ribbon cassette for electronic typewriter. 302,828, 8-15-89, Cl. D18-12.000.
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  - Saegusa, Masahito; Hashimoto, Kazunori; Ohwada, Takashi; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Yamashita, Taichiro, 304,578, Cl. D14-118.000.
  - Saegusa, Masahito; Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Sato, Masaki, 304,874, Cl. D14-118.000.
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  - Price, Macy J.; and Ball, Laurence G., 300,288, Cl. D6-407.000.
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- English, Walter L.; and Cherry, Steven B., to Abbott Laboratories. Premature infant pacifier. 300,462, 3-28-89, Cl. D24-45.000.
- Engolia, Grady M. Set of car dashboard covers. 303,783, 10-3-89, Cl. D12-192.000.
- Enison, Brent M., to Prestige Skirting and Tablecloths, Inc. Hanger for table skirting. 303,353, 9-12-89, Cl. D8-373.000.
- Ennis, James F., III, to Genesis Industries Incorporated. Syringe for dispensing a viscous liquid. 300,349, 3-21-89, Cl. D23-231.000.
- Enomoto, Haruyuki, to Sony Corporation. Magnetic tape cassette. 304,580, 11-14-89, Cl. D14-121.000.
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- Envall, Bjorn E. A.; and Wardle, Geoffrey P., to Saab-Scania Aktiebolag. Wheel. 299,918, 2-21-89, Cl. D12-209.000.
- Envall, Bjorn E. A.; and Sorum, Erik, to Saab-Scania Aktiebolag. Left front shield for attachment to an automobile. 300,916, 5-2-89, Cl. D12-190.000.
- Envall, Bjorn E. A.; and Sorum, Erik, to Saab-Scania Aktiebolag. Left front shield for attachment to an automobile. 300,917, 5-2-89, Cl. D12-190.000.
- Envall, Jorn E. A.; and Sorum, Erik, to Saab-Scania Aktiebolag. Left rear shield for attachment to an automobile. 300,915, 5-2-89, Cl. D12-190.000.
- Environmental Fragrance Technologies, Ltd.: *See—*
  - Glucksman, Dov Z.; and Ratzlaff, Jorg, 304,758, Cl. D23-366.000.
- Epoch Company, Ltd.: *See—*
  - Ukisu, Hiroshi, 304,355, Cl. D21-120.000.
  - Ukisu, Hiroshi, 304,739, Cl. D21-59.000.
  - Ukisu, Hiroshi, 304,741, Cl. D21-109.000.
  - Ukisu, Hiroshi, 304,742, Cl. D21-109.000.
  - Ukisu, Hiroshi, 304,743, Cl. D21-109.000.
  - Ukisu, Hiroshi, 304,744, Cl. D21-120.000.
  - Ukisu, Hiroshi, 304,745, Cl. D21-120.000.
  - Ukisu, Hiroshi, 305,247, Cl. D21-59.000.
  - Ukisu, Hiroshi, 305,248, Cl. D21-59.000.
  - Ukisu, Hiroshi, 305,249, Cl. D21-59.000.
- Epoch Company, Ltd: *See—*
  - Ukisu, Hiroshi, 304,352, Cl. D21-59.000.
- Eppenbach, Lawrence C. Tent. 304,966, 12-5-89, Cl. D21-253.000.
- Epperson, Frank E.; Smith, Craig W.; and Ohnemus, Randall E., to F.M.&G., Inc. Fishing reel. 300,452, 3-28-89, Cl. D22-141.000.
- Equipment de' Sport U.S.A., Inc.: *See—*
  - Burr, Stuart C., 299,989, Cl. D6-415.000.
- Equipment Development Company, Inc.: *See—*
  - Swan, Leo, 301,987, Cl. D10-73.000.
- Equipment Innovators, Inc.: *See—*
  - Evers, Ande, 300,976, Cl. D34-26.000.
- Erdell, Margaret A.: *See—*
  - Pawlik, James P.; and Erdell, Margaret A., 300,642, Cl. D20-10.000.
- Erickson, Errol D. Combined lighter and calculator for determining the number of cigarettes smoked. 302,336, 7-18-89, Cl. D27-145.000.
- Erickson, Harry, to Arlington-Hews, Inc. Toy construction connector element. 305,041, 12-12-89, Cl. D21-108.000.

- Ernest, Bruce F., to Hadrian Crystal Limited. Butterfly-like ornament. 302,535, 8-1-89, Cl. D11-162.000.
- Ero Industries, Inc.: *See—*
  - Steger, Ralph E., 300,548, Cl. D21-238.000.
- Esau, Norman D., to Amoco Corporation. Flow indicator for a fuel dispenser. 305,209, 12-26-89, Cl. D10-96.000.
- Esprit Systems, Inc.: *See—*
  - Brunner, Robert, 303,789, Cl. D14-100.000.
  - Brunner, Robert, 303,794, Cl. D14-114.000.
- Essegielle S.r.l.: *See—*
  - Cortese, Virginio, 300,295, Cl. D7-305.000.
  - Cortese, Virgino, 300,104, Cl. D7-309.000.
- Esselte Pendaflex: *See—*
  - Crawford, Dennis L., 302,236, Cl. D8-98.000.
- Esser, Jack, to Knapp Shoes, Inc. Outsole for a shoe. 302,765, 8-15-89, Cl. D2-320.000.
- Essex Environmental Industries, Inc.: *See—*
  - Granberg, William J.; Wagner, Richard A.; and Hundt, Gary W., 305,259, Cl. D23-205.000.
- Essex Industries: *See—*
  - Anello, John R.; Hock, James H.; and Mitchell, Preston, 301,191, Cl. D6-502.000.
- Essex, John D.; and Kieft, Milton G., to Hoover Company, The. Suction cleaner hood. 305,169, 12-19-89, Cl. D32-31.000.
- Esslinger, Hartmut H., to Apple Computer, Inc. Computer housing. 305,227, 12-26-89, Cl. D14-100.000.
- Esworthy, Samuel J. Doorstop. 302,383, 7-25-89, Cl. D8-402.000.
- Etablissements Duffour et Igon (D.I.): *See—*
  - Vigneau, Jean-Louis, 299,517, Cl. D23-235.000.
- Etablissements Pellisson S.A.: *See—*
  - Cruse, Roland, 303,498, Cl. D9-383.000.
- Etablissements Piole: *See—*
  - Gautier, Philippe, 300,993, Cl. D6-400.000.
- Etelman, Joseph A. Display case. 302,365, 7-25-89, Cl. D6-470.000.
- Ethical Products, Inc.: *See—*
  - Zelinger, Alan, 302,753, Cl. D30-129.000.
- ETNA Products Co. Inc.: *See—*
  - Fung, May, 304,346, Cl. D19-76.000.
- Etona Company Limited: *See—*
  - Ebihara, Yoshiyuki, 302,781, Cl. D8-50.000.
  - Ebihara, Yoshiyuki, 302,782, Cl. D8-50.000.
- Etro, Gerolamo, to ETRO S.p.A. Textile fabric or similar article. 300,389, 3-28-89, Cl. D5-45.000.
- Etro, Gerolamo, to ETRO S.p.A. Textile fabric or similar article. 301,287, 5-30-89, Cl. D5-45.000.
- Etro, Gerolamo, to ETRO S.p.A. Textile fabric or similar article. 301,288, 5-30-89, Cl. D5-56.000.
- Etro, Gerolamo, to Etro S.p.A. Textile fabric or similar article. 302,212, 7-18-89, Cl. D5-39.000.
- Etro, Gerolamo, to Etro S.p.A. Textile fabric or similar article. 302,905, 8-22-89, Cl. D5-37.000.
- Etro, Gerolamo, to Etro S.p.A. Textile fabric or similar article. 303,734, 10-3-89, Cl. D5-45.000.
- ETRO S.p.A.: *See—*
  - Etro, Gerolamo, 300,389, Cl. D5-45.000.
  - Etro, Gerolamo, 301,287, Cl. D5-45.000.
  - Etro, Gerolamo, 301,288, Cl. D5-56.000.
  - Etro, Gerolamo, 302,212, Cl. D5-39.000.
  - Etro, Gerolamo, 302,905, Cl. D5-37.000.
  - Etro, Gerolamo, 303,734, Cl. D5-45.000.
- Eubanks, Steven. Corn silker. 304,896, 12-5-89, Cl. D7-369.000.
- Eugster, Arthur. Coffee machine. 300,198, 3-14-89, Cl. D7-308.000.
- Eugster, Arthur, to Arthur Eugster Elektro-Haushaltgerate. Coffee machine. 300,596, 4-11-89, Cl. D7-309.000.
- Eureka AB: *See—*
  - Miklja, Janel, 301,166, Cl. D24-3.000.
- Euroceltique S.A.: *See—*
  - Oshlack, Benjamin, 301,762, Cl. D28-2.000.
- Evans, Dale M., to EVCO Office Products. Vertical file sorter. 304,462, 11-7-89, Cl. D19-90.000.
- Evans, Kenneth L. Mail box. 301,929, 6-27-89, Cl. D99-30.000.
- Evans, Paul R., to Design Institute America, Inc. Wall unit. 300,887, 5-2-89, Cl. D6-436.000.
- Evans, Phillip M. Bicycle security unit or the like. 303,624, 9-26-89, Cl. D8-331.000.
- EVCO Office Products: *See—*
  - Evans, Dale M., 304,462, Cl. D19-90.000.
- Evenson, Mel, to Eldon Industries, Inc. Bracket angle. 301,953, 7-4-89, Cl. D6-491.000.
- Evenson, Mel, to Eldon Industries, Inc. Paper tray. 302,177, 7-11-89, Cl. D19-92.000.
- Evenson, Mel, to Eldon Industries, Inc. Pen stand base. 303,125, 8-29-89, Cl. D19-85.000.
- Evenson, Mel, to Eldon Industries, Inc. Picture frame. 303,179, 9-5-89, Cl. D6-301.000.
- Evenson, Mel, to Eldon Industries, Inc. Electric lamp. 303,847, 10-3-89, Cl. D26-63.000.
- Evenson, Mel, to Eldon Industries, Inc. Stapler. 304,417, 11-7-89, Cl. D8-50.000.
- Evenson, Mel, to Eldon Industries, Inc. Electric lighting fixture primarily intended for use with lecterns. 304,507, 11-7-89, Cl. D26-76.000.
- Everest & Jennings, Inc.: *See—*
  - Jones, Ralph P., 304,815, Cl. D12-133.000.
- Everett, Lynn E., to Tusco Manufacturing Company. Photo film drop stand. 299,598, 1-31-89, Cl. D6-432.000.
- Everett, Lynn E.; and Van Cleave, Stephen W., to Tusco Manufacturing Company. Photo film drop stand. 299,599, 1-31-89, Cl. D6-436.000.
- Everett, Lynn E., to Tusco Manufacturing Company. Display stand. 299,990, 2-28-89, Cl. D6-415.000.
- Everett, Lynn E., to Tusco Manufacturing Company. Merchandising stand. 300,590, 4-11-89, Cl. D6-408.000.
- Everett, Lynn E., to Tusco Manufacturing Comnpany. Canopy shelf unit. 301,952, 7-4-89, Cl. D6-479.000.
- Everett, Lynn E.; and Van Cleave, Stephen W., to Tusco Manufacturing Company. Bicycle display stand. 302,218, 7-18-89, Cl. D6-462.000.
- Evergreen Industries, Inc.: *See—*
  - Wong, Johnson N. S.; and Watanabe, Gary, 302,470, Cl. D24-56.000.
- Evers, Ande, to Equipment Innovators, Inc. Hand truck. 300,976, 5-2-89, Cl. D34-26.000.
- Everts, Ramon L.: *See—*
  - Bell, Graham J.; and Everts, Ramon L., 302,968, Cl. D12-211.000.
  - Bell, Graham J.; and Everts, Ramon L., 303,517, Cl. D12-211.000.
- Evets Corporation: *See—*
  - Ridinger, Stephen T.; and Orr, Russell E., II, 304,953, Cl. D17-20.000.
  - Ridinger, Stephen T.; and Orr, Russell E., II, 304,954, Cl. D17-20.000.
- Ewald, Thomas. Fishing pole holder. 303,564, 9-19-89, Cl. D22-147.000.
- Ewing, Robert L.; Hughes, James S.; and Faust, William H., to Manville Corporation. Industrial luminaire housing. 300,469, 3-28-89, Cl. D26-24.000.
- Ewing, Robert L.; Hammond, Douglas S.; and Roush, Mark L., to Manville Corporation. Luminaire. 300,670, 4-11-89, Cl. D26-67.000.
- Ewing, Robert L.; Hammond, Douglas S.; Leary, James L.; Meredith, David G.; and Roush, Mark L., to Manville Corporation. Luminaire. 300,671, 4-11-89, Cl. D26-67.000.
- Ewing, Robert L.; Fouke, Herbert A.; Hughes, James S.; and Bruggeman, Bruce G., to Manville Corporation. Industrial luminaire. 303,434, 9-12-89, Cl. D26-67.000.
- Ex-Design Corporation: *See—*
  - Kawasaki, Kazuo, 305,201, Cl. D8-57.000.
- Eyedentify, Inc.: *See—*
  - Karecki, Marion R., 302,153, Cl. D14-116.000.
- Eyemetrics-Systems AG: *See—*
  - Fischer, Richard, 304,615, Cl. D24-17.000.
- Eyman, Waldorf C., Jr., to Gym Trix, Inc. Guide wire support for gymnastic equipment. 300,234, 3-14-89, Cl. D21-199.000.
- Ezaki, Akira; Orihara, Tazuo; and Yamaguchi, Kiminori, to Sharp Corporation. Combined clothes washer and drier. 301,780, 6-20-89, Cl. D32-5.000.
- F. B. Nutter Enterprises, Inc.: *See—*
  - Vories, Dennis L., 301,227, Cl. D13-5.000.
  - Vories, Dennis L., 301,685, Cl. D8-373.000.
  - Vories, Dennis L., 302,157, Cl. D14-192.000.
  - Vories, Dennis L., 304,309, Cl. D10-106.000.
- F.M.&G., Inc.: *See—*
  - Epperson, Frank E.; Smith, Craig W.; and Ohnemus, Randall E., 300,452, Cl. D22-141.000.
- Fa. D. den Oudsten: *See—*
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  - Scholl, Winfried, 304,789, Cl. D6-484.000.
- Fabian, Wolfgang, to American Standard Inc. Faucet handle. 299,515, 1-24-89, Cl. D23-250.000.
- Fabian, Wolfgang, to American Standard Inc. Faucet set. 299,519, 1-24-89, Cl. D23-242.000.
- Fabian, Wolfgang, to American Standard Inc. Combined spout and control handles. 301,918, 6-27-89, Cl. D23-242.000.
- Fabrica Sideral Sociedad de Responsabilidad Limitada: *See—*
  - Irace, Francisco D., 300,481, Cl. D6-329.000.
- Fabricas Orion, S.A.: *See—*
  - Macia, Armando, 301,607, Cl. D23-282.000.
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  - Weiss, Reinhold, 301,552, Cl. D10-22.000.
- Fabrique Ebel, Societe Anonyme: *See—*
  - Chodat, Jean-Pierre, 301,482, Cl. D16-102.000.
- Fabriques de Tabac Reunies, S.A.: *See—*
  - Marlow, Nicholas S.; and Gruenbaum, Witold, 303,722, Cl. D27-189.000.
- Faggard, Joseph; and Hawker, Brian, to AC Industries, Ltd. Dishwasher. 300,573, 4-4-89, Cl. D32-2.000.
- Fairchild Industries, Inc.: *See—*
  - Rosenthal, Gordon, 304,924, Cl. D12-331.000.
  - Rosenthal, Gordon, 304,925, Cl. D12-331.000.
- Falcon, Karen. Insulated baby-bottle case. 303,150, 8-29-89, Cl. D24-48.000.
- Falcone, Dominic. Handset telephone. 301,237, 5-23-89, Cl. D14-143.000.
- Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, to Pacific Biotech, Inc. Reaction unit for use in analyzing biological fluids. 299,859, 2-14-89, Cl. D24-17.000.
- Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, to Pacific Biotech, Inc. Reaction unit for use in analyzing biological fluids. 299,860, 2-14-89, Cl. D24-17.000.
- Fan, Max C. F., to Ping, Chan Cheong; Wan, Chan Cheong; and Haykwan, Chan. Brush for cleaning clothing and other textiles. 304,883, 12-5-89, Cl. D4-137.000.

- Fan, Yung W., to Mee Tung Manufacturing Company Limited. Toy gun. 304,604, 11-14-89, Cl. D21-147.000.
- Fanfare Electronics Limited: *See—*
  - Goldberg, Stephen H., 299,252, Cl. D18-7.000.
- Fantasy Cookie Corporation: *See—*
  - Cutone, Linda, 300,381, Cl. D1-129.000.
- Faranda, Robert T.: *See—*
  - Landry, Christian C.; and Faranda, Robert T., 299,347, Cl. D14-113.000.
- Farberware Inc.: *See—*
  - Schmidt, George, 304,286, Cl. D8-36.000.
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- Farcus, Joseph, to Carnival Cruise Lines, Inc. Ship's funnel. 300,212, 3-14-89, Cl. D12-317.000.
- Farentinos, Robert C., to Reflex Sport Products, Inc. Ski pole handle. 302,287, 7-18-89, Cl. D21-230.000.
- Farnham, Gilbert R.: *See—*
  - Chapin, David S.; and Farnham, Gilbert R., 304,151, Cl. D8-30.000.
- Farquhar, John A.; and Farquhar, Merrilyn J. Insulator tester unit. 299,439, 1-17-89, Cl. D10-75.000.
- Farquhar, Merrilyn J.: *See—*
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- Farrell, Richard: *See—*
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- Fashion World, Inc.: *See—*
  - Pakzad, Bijan, 301,307, Cl. D9-382.000.
- Fasino, Victor. Bird feeder. 301,777, 6-20-89, Cl. D30-126.000.
- Fasino, Victor. Bird feeder. 301,778, 6-20-89, Cl. D30-127.000.
- Fate Sociedad Anonima Industrial, Commercial E inmobiliaria: *See—*
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- Fauerskov, Svend E., to Bruel & Kjaer A/S. Roughness indicator. 301,016, 5-9-89, Cl. D10-46.000.
- Faulconer, Mark; and Greatrake, Scott E., to U.S. Divers Company, Inc. Diver's buoyancy compensator backpack support. 299,286, 1-10-89, Cl. D3-32.000.
- Faulconer, Mark, to U.S.D. Corp. Buoyancy compensator with an adjustable strap. 300,340, 3-21-89, Cl. D21-238.000.
- Faulconer, Mark, to U.S.D. Corp. Diving meter. 302,393, 7-25-89, Cl. D10-70.000.
- Faust, William H.: *See—*
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- Fawn Engineering Corp.: *See—*
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  - Miller, Henry A.; Harris, Michael R.; Goodhart, Frank; and Fawzi, Mahdi B., 302,481, Cl. D28-2.000.
- Fay, James E., III, to Kimberly-Clark Corporation. Charcoal fuel article. 304,574, 11-14-89, Cl. D13-3.200.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Combined toothbrush and tumbler holder. 299,397, 1-17-89, Cl. D6-531.000.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Soap dish. 299,398, 1-17-89, Cl. D6-540.000.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Wall shelf. 299,400, 1-17-89, Cl. D6-572.000.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Wall shelf. 299,604, 1-31-89, Cl. D6-572.000.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Soap dish. 301,293, 5-30-89, Cl. D6-540.000.
- Fayerman, Peter S.; and Meck, Leslie A., to Baldwin Hardware Corporation. Combined toothbrush and tumbler holder. 303,333, 9-12-89, Cl. D6-531.000.
- Feamster, William A.: *See—*
  - Feamster, William C., III; and Feamster, William A., 299,222, Cl. D12-125.000.
- Feamster, William C., III; and Feamster, William A. Bicycle pedal or the like. 299,222, 1-3-89, Cl. D12-125.000.
- Fee Tat Plastic Factory Limited: *See—*
  - Wan, Yiu C. A., 304,089, Cl. D26-42.000.
  - Wan, Yiu C. A., 304,090, Cl. D26-42.000.
- Feeney, John R.: *See—*
  - Lewis, Stephen B.; Smith, Cyril; and Feeney, John R., 299,765, Cl. D29-14.000.
- Feger, Stephan; and Fischer, Wolfgang, to International Business Machines Corporation. Housing for hand held data entry and display terminal. 299,235, 1-3-89, Cl. D14-100.000.
- Feher, Steve; and Jhaveri, Suresh C. Dual shower head unit. 299,850, 2-14-89, Cl. D23-229.000.
- Fehlbaum & Co: *See—*
  - Walter, Herbert, 299,797, Cl. D6-479.000.
- Fehlbaum & Co.: *See—*
  - Walter, Herbert, 300,289, Cl. D6-411.000.
  - Walter, Herbert, 302,080, Cl. D6-411.000.
  - Walter, Herbert, 302,083, Cl. D6-413.000.
- Feimer, Bryan A.; Roethel, Henry G.; and Kowalics, Raymond P., to Meyer Company, The. Container lid. 304,282, 10-31-89, Cl. D7-391.000.
- Fein, Harvey C., to DFB Sales, Inc. Wall track extrusion. 300,566, 4-4-89, Cl. D25-124.000.
- Feldman, Carol A.: *See—*
  - Wolcott, Herbert A.; and Feldman, Carol A., 299,817, Cl. D12-156.000.
- Fellenbaum, Ernest S. Combined bicycle cushion seat cover and carrier bag. 303,183, 9-5-89, Cl. D6-354.000.
- Feller, Craig L.; and Kaniecki, Michael, to Goodyear Tire & Rubber Company, The. Tire display stand. 303,181, 9-5-89, Cl. D6-310.000.
- Feller, Craig L., to Avia Group International, Inc. Shoe sole. 303,996, 10-17-89, Cl. D2-320.000.
- Feltman, Charles H., III; and Langer, Dirk, to 2nd Wave, A California General Partnership. Beverage mug. 302,919, 8-22-89, Cl. D7-9.000.
- Fender Musical Instruments Corporation: *See—*
  - Gressett, Charles A., Jr.; Todd, Charles H., III; and Page, John F., 304,341, Cl. D17-21.000.
- Fendi Paola & S.lle S.A.A.: *See—*
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- Fenne, Kenneth R., to Pittway Corporation. Nightlight. 301,750, 6-20-89, Cl. D26-26.000.
- Fenne, Kenneth R., to Pittway Corporation. Light control. 303,248, 9-5-89, Cl. D13-32.000.
- Fenne, Kenneth R., to Pittway Corporation. Light control. 304,442, 11-7-89, Cl. D13-32.000.
- Fennell, Robert D.; Huber, Richard M.; Lloyd, Robert D.; and Scheid, William J., to Motorola, Inc. Radio pager or similar article. 303,799, 10-3-89, Cl. D14-191.000.
- Fennell, Robert D.: *See—*
  - Scheid, William J., and Fennell, Robert D., 303,528, Cl. D14-191.000.
  - Scheid, William J.; Fennell, Robert D.; Lloyd, Robert D.; Toth, Richard J.; and Strobel, Russell A., 303,529, Cl. D14-191.000.
- Fenton, Ronald R. Saw tooth picture hanger or similar article. 302,108, 7-11-89, Cl. D8-373.000.
- Ferbrache, Raymond B.: *See—*
  - Fick, Orval L.; and Ferbrache, Raymond B., 301,689, Cl. D9-374.000.
- Ferco International: *See—*
  - Kautt, Jean-Jacques, 302,935, Cl. D8-330.000.
- Ferguson, Bradley S. Football gameboard. 301,492, 6-6-89, Cl. D21-15.000.
- Ferguson, Carolyn. Hair treatment ear guard. 305,072, 12-12-89, Cl. D28-9.000.
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- Ferguson, Edward M.; and Tabata, Toshinori, to Tomy Kogyo Co., Inc. Toy walkie-talkie. 299,664, 1-31-89, Cl. D21-111.000.
- Ferguson, Irby M.; and Ferguson, Nadine. Purse and shoe rack. 303,445, 9-12-89, Cl. D34-21.000.
- Ferguson, John D.: *See—*
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- Ferguson, Nadine: *See—*
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- Ferguson, William R. Electronically controlled clothing receptacle or similar article. 304,252, 10-24-89, Cl. D32-37.000.
- Ferland, Edouard, to Les Tuiles de Geneve L.T.G. (1987) Inc. Roofing tile. 302,732, 8-8-89, Cl. D25-140.000.
- Ferrari, Franco, to Agostino Ferrari & C.S.R.1. Furniture hinge. 299,616, 1-31-89, Cl. D8-323.000.
- Ferreri, Marco: *See—*
  - Bellini, Carlo; and Ferreri, Marco, 301,635, Cl. D26-98.000.
- Ferrero, Pietro, to Ferrero S.p.A. Container for confectionary products. 302,791, 8-15-89, Cl. D9-318.000.
- Ferrero, Pietro, to Ferrero S.p.A. Container for confectionary products. 302,940, 8-22-89, Cl. D9-318.000.
- Ferrero, Pietro, to Ferrero S.p.A. Container for confectionary products. 302,941, 8-22-89, Cl. D9-318.000.
- Ferrero, Pietro, to Ferrero S.p.A. Container for confectionary products. 302,942, 8-22-89, Cl. D9-318.000.
- Ferrero S.p.A.: *See—*
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  - Ferrero, Pietro, 302,940, Cl. D9-318.000.
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  - Ferrero, Pietro, 302,942, Cl. D9-318.000.
- Feudor S.A.: *See—*
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- Fiam S.r.l.: *See—*
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- Fick, Orval L.; and Ferbrache, Raymond B., to Gott Corporation. Gas container. 301,689, 6-20-89, Cl. D9-374.000.
- Fick, Orval L., to Gott Corporation. Bottle. 303,355, 9-12-89, Cl. D9-376.000.
- Fidelity Manufacturing Company: *See—*
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- Fine, Irwin M.; and Harms, David A., to American Telephone and Telegraph Company; and AT&T Information Systems Inc. Computer display. 304,032, 10-17-89, Cl. D14-113.000.
- Finger, Jon E.; and Turner, Ronald R., to General Foods Corp.; and Williams Industries, Inc. Lid. 302,795, 8-15-89, Cl. D9-454.000.
- Fingerle, Robert F., to Paccar Inc. Low drag vehicle rear view mirror. 302,964, 8-22-89, Cl. D12-187.000.
- Fink, Alan B.: *See—*
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- Fink, Arthur C., Jr.; Tomes, William L.; and Sutcliffe, Grenville G., to Husky Corporation. Dispensing nozzle body. 301,366, 5-30-89, Cl. D23-226.000.
- Finn, Charles A. Knife sheath. 301,396, 6-6-89, Cl. D3-102.000.
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- Finn, Norman H., to United States Shoe Corporation, The. Sandal. 300,781, 4-25-89, Cl. D2-289.000.
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- Fisher, Kermit W., to International Vehicles Corp. Van top. 300,623, 4-11-89, Cl. D12-156.000.
- Fisher, Randall E.; Martindale, David L.; and Nichols, Joseph H., to Cryolab, Inc. Valve. 301,915, 6-27-89, Cl. D23-233.000.
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- Fitzpatrick, John R. Puzzle piece. 303,816, 10-3-89, Cl. D21-104.000.
- Fitzpatrick, John R. Puzzle piece. 303,817, 10-3-89, Cl. D21-104.000.
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- Flesher, Robert W.; Barnes, Kevin J.; Blakesley, Robert W.; and Lynn, Robert W., to Life Technologies, Inc. Electrophoresis sequencing apparatus. 303,007, 8-22-89, Cl. D24-8.000.
- Flesher, Robert W.; Barnes, Kevin T.; Blakesley, Robert W.; and Lynn, Robert W., to Life Technologies, Inc. Electrophoresis sequencing apparatus tray. 303,012, 8-22-89, Cl. D24-31.000.
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- Fontana, Fernando, to Omega, S.A. Watch dial. 301,558, 6-13-89, Cl. D10-126.000.

- Fontanelli, Maria L. Combined table and plural seating unit. 302,215, 7-18-89, Cl. D6-335.000.
- Fonte, Frank, to C & S Manufacturing. Scooter. 304,210, 10-24-89, Cl. D21-81.000.
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- Foran, Kenneth C.; and David, Thomas J., to Rubbermaid incorporated. Drawer organizer tray. 301,590, 6-13-89, Cl. D19-77.000.
- Foran, Kenneth C.; and David, Thomas J. Letter tray. 302,703, 8-8-89, Cl. D19-92.000.
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- Foran, Kenneth C.; and David, Thomas J., to Rubbermaid Incorporated. Utility file. 304,345, 10-31-89, Cl. D19-75.000.
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- Forbes, Hampton E., Jr.; and Smith, William G., to Westvaco Corporation. TV dinner tray. 302,068, 7-4-89, Cl. D34-45.000.
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- Fossella, Gregory, to Jet Spray Corp. Beverage dispenser. 304,989, 12-12-89, Cl. D7-308.000.
- Foster, Elaine. Brooch. 304,313, 10-31-89, Cl. D11-48.000.
- Foster, John A., to J. L. Clark Manufacturing Co. Container closure. 301,549, 6-13-89, Cl. D9-435.000.
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Garvis, Victor P. Multiple hold-down clamp. 302,380, 7-25-89, Cl. D8-73.000.
Gaskill, D. H. Earring stud hook. 301,562, 6-13-89, Cl. D11-57.000.
Gassaway, Lester R. Riding pull toy. 301,497, 6-6-89, Cl. D21-71.000.
Gatarz, Gregory M., to Boyle-Midway Household Products, Inc. Automatic toilet bowl cleaner. 302,580, 8-1-89, Cl. D23-208.000.
Gates, Charles H. Multi-functional tool for use with guns. 302,514, 8-1-89, Cl. D8-105.000.
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Ching, Larry K. W., Jr., 303,373, Cl. D13-8.000.
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Gates, H. Gordon, to Gates & Sons, Inc. Structural form tie. 300,117, 3-7-89, Cl. D8-384.000.
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Gatsos, James L. Necklace pendant circlet. 301,564, 6-13-89, Cl. D11-86.000.
Gatton, James W. Portable outdoor fireplace. 302,204, 7-11-89, Cl. D23-348.000.
Gauffin, Stig; and Lawton, Peter, to Telefonaktiebolaget LM Ericsson. Telephone set. 301,339, 5-30-89, Cl. D14-151.000.
Gaul, Robert J., to Archetype Gallery, Inc. Light fixture. 301,751, 6-20-89, Cl. D26-37.000.
Gauthier, George F. Combination fishing lure and weight. 300,164, 3-7-89, Cl. D22-129.000.
Gautier, Philippe, to Etablissements Piole. Workbench. 300,993, 5-9-89, Cl. D6-400.000.
Gavin, Ellen, to L'Oreal, S.A. Trio eye shadow compact. 303,582, 9-19-89, Cl. D28-78.000.
Gavin, Ellen, to L'Oreal S.A. Mascara applicator container. 304,095, 10-17-89, Cl. D28-7.000.
Gay, Ellery C., Jr. Bikini or similar article. 301,080, 5-16-89, Cl. D2-10.000.
Gazley, Eric P. Terra cotta facing for buildings. 302,045, 7-4-89, Cl. D25-138.000.
Gebhart, Monika. Lipstick. 299,876, 2-14-89, Cl. D28-87.000.
Gebhart, Monika. Lipstick. 302,605, 8-1-89, Cl. D28-87.000.
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Rose, Martin S., 302,814, Cl. D14-142.000.
Rose, Martin S., 304,190, Cl. D14-142.000.
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Gecchelin, Bruno, to iGuzzini Illuminazione, S.p.A. Diffuser lens for a lighting fixture. 302,049, 7-4-89, Cl. D26-122.000.
Gecchelin, Bruno, to Fratelli Guzzini S.p.A. Server for cakes, pies and the like. 303,902, 10-10-89, Cl. D7-102.000.
Gecchelin, Bruno, to Fratelli Guzzini S.p.A. Whisk for the preparation of cakes, pies and the like. 304,009, 10-17-89, Cl. D7-103.000.
Gecchelin, Bruno, to Fratelli Guzzini S.p.A. Spatula. 304,144, 10-24-89, Cl. D7-102.000.
Gecchelin, Bruno, to Fratelli Guzzini S.p.A. Spoon. 304,145, 10-24-89, Cl. D7-104.000.
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Geiger, Reinold, to Ateliers de Moulage Specialise Packaging. Perfume flask. 299,694, 2-7-89, Cl. D9-300.000.
Geissler, Udo M., to OSRAM GmbH. Slide viewer. 304,037, 10-17-89, Cl. D16-229.000.
Gelardi, Paul J.; and MacLeod, Robert B., Jr., to Shape Inc. Tape cassette. 304,452, 11-7-89, Cl. D14-121.000.
Geldwerth, Simon, to Do-All Jewelry Mfg. Co., Inc. Jewelry clasp. 300,614, 4-11-89, Cl. D11-87.000.
Gemmani, Giuseppe, to SCM S.p.A. Sloping sawmill. 299,829, 2-14-89, Cl. D15-133.000.
Gemmani, Giuseppe, to SCM S.p.A. Planer. 300,933, 5-2-89, Cl. D15-127.000.
Gemmani, Giuseppe, to SCM S.p.A. Combined milling machine support and controller. 301,040, 5-9-89, Cl. D15-131.000.
Gempel, John C.; and Orth, Robert J., Sr., to Go Industries, Inc. Truck visor. 303,239, 9-5-89, Cl. D12-191.000.
Genaro, Donald M.; Kelly, Thomas J.; Miggels, Stephen G.; and Sylvester, Gordon E., to American Telephone and Telegraph Company and AT&T Information Systems Inc. Portable computer housing. 302,267, 7-18-89, Cl. D14-106.000.
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Dickson, Douglas M., 300,635, Cl. D14-257.000.
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George, David L.; and Schatz, Steven M., to Uniden Corporation of America. Desk-top power supply for mobile radio. 301,886, 6-27-89, Cl. D14-299.000.
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George, Peter T. Nocturnal airway patency appliance for preventing occlusion of the oral airway of sleep apnea patients. 302,036, 7-4-89, Cl. D24-34.000.
Geraci, Daniel C. Inflatable water toy. 299,500, 1-24-89, Cl. D21-157.000.
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Gerstman, Richard B.; Concepcion, Juan F.; Lucas, Michael P.; and Tabor, Robert, to Nabisco Brands, Inc. Sandwich cookie. 300,680, 4-18-89, Cl. D1-109.000.
Gerstman, Richard B.; Concepcion, Juan F.; Lucas, Michael P.; and Tabor, Robert, to Nabisco Brands, Inc. Sandwich cookie. 302,346, 7-25-89, Cl. D1-109.000.
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Lucas, Michael P.; Tabor, Robert; Gerstman, Richard B.; and Concepcion, Juan F., 303,866, Cl. D1-109.000.
Gertler, Bernard H. Truck cab storage compartment. 299,287, 1-10-89, Cl. D3-40.000.
Gette, Carter S. Funnel for simultaneous mixing and dispensing of gasoline and oil for use in internal combustion engines. 301,365, 5-30-89, Cl. D23-200.000.
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Ghezzi, Lucio; and Cressoni, Ermanno, to Alfa Romeo Auto S.p.A. Rear bumper for automotive vehicle. 299,635, 1-31-89, Cl. D12-169.000.
Giacona, Louis J.; Masterson, James J.; and Monsky, Cynthia L., to Union Hospital Foundation, Inc. Game board. 302,706, 8-8-89, Cl. D21-31.000.
Giambazi, James D. Mini-sole golf club. 302,716, 8-8-89, Cl. D21-220.000.
Giambazi, James D. Golf glove. 303,167, 8-29-89, Cl. D29-22.000.
Giancola, Guido; and Armellin, Giancarlo, to Pirelli Coordinamento Pneumatici S.p.A. Tire for two-wheeled vehicles. 302,670, 8-8-89, Cl. D12-145.000.
Giannone, Charles, to Duro-Dyne Corporation. Damper regulator assembly. 300,778, 4-18-89, Cl. D23-393.000.
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Giannotti, Vincent, Jr.; Haus, Ralph A.; Merino, Tristan A.; and Sweeney, Margaret C., to International Business Machines Corporation. Display monitor. 303,379, 9-12-89, Cl. D14-113.000.
Gibb, Robert F. Bicycle tire inflator. 304,970, 12-5-89, Cl. D23-231.000.
Gibert, Jose M. P., to Industria Auxiliar Manodomesticos, SA (IAMSA). Vacuum flask. 302,370, 7-25-89, Cl. D7-317.000.
Gibert, Jose M. P., to Industria Auxiliar Manodomesticos, S.A. Vacuum flask. 303,905, 10-10-89, Cl. D7-317.000.
Gibson, Robert J. Towel warming cabinet. 302,460, 7-25-89, Cl. D23-314.000.
Gibson, Robert J. Retainer for a computer mouse. 304,180, 10-24-89, Cl. D14-114.000.
Gickler, Alan E., to Johnson Manufacturing Company. Combined radiator tab lifter and crimper. 303,918, 10-10-89, Cl. D8-52.000.
Gierke, Martin P., to Black & Decker Inc. Battery pack for use with portable power tools or the like. 300,920, 5-2-89, Cl. D13-8.000.
Gierke, Martin P., to Black & Decker Inc. Battery pack for use with portable power tools or the like. 302,971, 8-22-89, Cl. D13-8.000.
Gierke, Martin P.; and Somers, Robert L., to Black & Decker Inc. Battery-operated screwdriver or similar article. 303,205, 9-5-89, Cl. D8-61.000.
Gierke, Martin P.: *See*—
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Giese, Robert C.; and Reid, Mary J., to Kohler Co. Hydrotherapy spa or the like. 302,037, 7-4-89, Cl. D24-38.000.
Giese, Robert C.; and Poulson, Keith L., to Kohler Co. Tub shell for a hydrotherapy spa or the like. 304,236, 10-24-89, Cl. D24-38.000.
Giese, Robert C.: *See*—
Reid, Mary J.; and Giese, Robert C., 301,060, Cl. D24-38.000.
Gifford, Mark. Portable steering column lock. 301,541, 6-13-89, Cl. D8-331.000.
Gilbert, Barry P., to Daniel Platt & Sons Limited. Tile. 299,971, 2-21-89, Cl. D25-138.000.
Gildersleeve, Paul, to Kidde Consumer Durables Corp. Hand held can opener. 301,432, 6-6-89, Cl. D8-36.000.
Giles, Brian A.; and Schwab, Frederick J., to Eastman Kodak Company. Acoustical cleaning system. 301,779, 6-20-89, Cl. D32-1.000.
Giles, James. Football cap. 303,036, 8-29-89, Cl. D2-248.000.
Giles, William E.; and Kapp, Joseph P., to Trucker's Comfort Systems, Inc. Utility receptacle cover. 304,174, 10-24-89, Cl. D13-31.000.
Gilgore, William H.; and Arnold, William H., to Teledyne Industries, Inc. Tray for proofer or baking oven. 302,229, 7-18-89, Cl. D7-409.000.
Gill, Neil F.; and Alderton, Gordon H., to Lindapter International Limited. Grid clamp for support beam or the like. 303,923, 10-10-89, Cl. D8-394.000.
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Gordo, Fred L., 299,660, Cl. D19-54.000.
Gordo, Fred L., 300,834, Cl. D19-55.000.
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Poisson, Norman D., 299,656, Cl. D19-54.000.
Poisson, Norman D., 300,042, Cl. D19-54.000.
Gilliam, James D. Wheel center for a race car wheel or the like. 300,526, 4-4-89, Cl. D12-210.000.
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Gilliard, Thomas. Snack fork or the like. 301,295, 5-30-89, Cl. D7-42.000.
Gingher, Robert S., to Scissaires, Inc. Handle unit for shears. 304,801, 11-28-89, Cl. D8-57.000.
Ginn, Ronald E. Building. 300,179, 3-7-89, Cl. D25-5.000.
Giordano, John M. Hatchet. 301,969, 7-4-89, Cl. D8-76.000.
Giordano, John M. Folding hatchet. 302,235, 7-18-89, Cl. D8-76.000.
Giordano, John M. Folding knife. 302,650, 8-8-89, Cl. D8-99.000.
Giordano, John M. Knife. 303,421, 9-12-89, Cl. D22-118.000.
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Girardat, Janet K.; and O'Connor, Patricia. Heel cap. 301,182, 5-23-89, Cl. D2-314.000.
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Bover, Antonio G., 301,782, Cl. D32-6.000.
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Gisiger, Urs. Luggage lock. 302,106, 7-11-89, Cl. D8-331.000.
Gisiger, Urs. Luggage lock. 304,674, 11-21-89, Cl. D8-341.000.
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Giungo, John L.; Roseman, Keith; and McNutt, Paul B., to McNutt, Paul B. Game paddle. 304,965, 12-5-89, Cl. D21-213.000.
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Gladden, Carolyn E.; and Gladden, Stephanie D., 300,156, Cl. D21-148.000.
Glahn, Henrik, to Sophus Berendsen Marine A/S. Kicking strap for sailboats. 303,352, 9-12-89, Cl. D8-360.000.
Glasgow, David; and Glasgow, Judith. Tricycle for handicapped. 301,439, 6-6-89, Cl. D12-113.000.
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Glasgow, David; and Glasgow, Judith, 301,439, Cl. D12-113.000.
Glassman, Fredrick R. Floor lamp. 300,954, 5-2-89, Cl. D26-93.000.
Glassman, Fredrick R. Light fixture. 304,092, 10-17-89, Cl. D26-85.000.
Glauser, Jean-Francois, to Baume & Mercier S.A. Wrist watch. 302,797, 8-15-89, Cl. D10-32.000.
Glaxo Group Limited: *See*—
Newell, Robert E.; Rand, Paul K.; and Osterweil, Carole A., 302,111, Cl. D9-300.000.
Glaze, William W. Knife for cutting plastic cable insulation. 301,680, 6-20-89, Cl. D8-98.000.
Glebe, Gregory N. Collapsible easel or similar article. 303,589, 9-26-89, Cl. D6-310.000.
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- Glenaan, Inc.: *See—*
  - Elliott, Glenaan M., 300,184, Cl. D3-51.000.
- Glenn, Joseph G. Combined bib and container pouch. 304,777, 11-28-89, Cl. D2-229.000.
- Glenrich Products, Inc.: *See—*
  - Dewing, Kenneth M., 300,974, Cl. D34-11.000.
- Glickman, Michael P., to Strombecker Corporation. Multiring bubble toy. 304,466, 11-7-89, Cl. D21-61.000.
- Glucksman, Dov Z.; and Ratzlaff, Jorg, to Environmental Fragrance Technologies, Ltd. Fragrance cartridge. 304,758, 11-21-89, Cl. D23-366.000.
- Glynn, Michael H., to Sabre Safety Limited. Clamping band for a gas cylinder. 304,676, 11-21-89, Cl. D8-395.000.
- Glynn, Robert T.: *See—*
  - Jones, Hwfa J., 302,443, Cl. D19-91.000.
- Go Industries, Inc.: *See—*
  - Gempel, John C.; and Orth, Robert J., Sr., 303,239, Cl. D12-191.000.
- GO PRO S.r.l.: *See—*
  - Carpanelli, Carlo; and Serenari, Stefano, 299,705, Cl. D12-88.000.
- Goatman, Michael C., to Philips Electronics & Associated Indus. Ltd. Telephone set. 302,815, 8-15-89, Cl. D14-51.000.
- Gobindram, Kash, to Kash N'Gold, Ltd. Telephone. 301,582, 6-13-89, Cl. D14-143.000.
- Gobindram, Kash, to Kash 'N' Gold Ltd. Telephone set. 301,714, 6-20-89, Cl. D14-143.000.
- Gobindram, Kash, to Kash 'N' Gold Ltd. Telephone set. 301,884, 6-27-89, Cl. D14-143.000.
- Gobindram, Kash, to Kash N'Gold Ltd. Housing for a telephone. 302,692, 8-8-89, Cl. D14-143.000.
- Gobindram, Kash, to Kash N' Gold Ltd. Telephone set. 303,260, 9-5-89, Cl. D14-143.000.
- Gobindram, Kash, to Kash N' Gold Ltd. Telephone set. 303,261, 9-5-89, Cl. D14-143.000.
- Godsey, James H.: *See—*
  - Navarro, Maria C.; Godsey, James H.; and Tepper, Richard G., 300,245, Cl. D24-31.000.
- Goebel, Richard; Luebke, Michael; and Hoffman, Gary, to Chicago Cutlery Company. Knife block. 300,497, 4-4-89, Cl. D7-74.000.
- Goergen, Rene; and Weyrich, Frank, to Goodyear Tire & Rubber Company, The. Tire. 302,411, 7-25-89, Cl. D12-146.000.
- Goergen, Rene; and Weyrich, Frank, to Goodyear Tire & Rubber Company, The. Design for a tire. 302,412, 7-25-89, Cl. D12-146.000.
- Goertz, Albrecht, to Insilco Corporation. Adjustable file card holder. 302,702, 8-8-89, Cl. D19-76.000.
- Goetz, Charles R., to Alco Industries, Inc. Paint tray. 301,785, 6-20-89, Cl. D32-53.100.
- Goetz, Charles R., to Alco Industries, Inc. Shelf unit. 303,596, 9-26-89, Cl. D6-479.000.
- Goetz, Charles R., to Alco Industries, Inc. Table. 303,885, 10-10-89, Cl. D6-484.000.
- Goetz, Charles R., to Alco Industries, Inc. Corner unit. 304,398, 11-7-89, Cl. D6-479.000.
- Gogakis, George K. Space shuttle. 302,148, 7-11-89, Cl. D12-320.000.
- Goins, O. Daniel. Camera support. 302,561, 8-1-89, Cl. D16-242.000.
- Gold Star Co., Ltd.: *See—*
  - Shim, Jae J., 301,880, Cl. D14-135.000.
  - Shim, Jae J., 302,974, Cl. D14-106.000.
  - Shin, Myung C., 303,967, Cl. D14-162.000.
  - Yang, Doo S., 299,452, Cl. D14-135.000.
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  - Yoo, Seung H., 304,411, Cl. D7-351.000.
  - Yoo, Seung H., 304,542, Cl. D7-351.000.
  - Yoo, Seung H., 304,662, Cl. D7-351.000.
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- Goldberg, Harvey W. Catheter connector for drainage tubes. 303,712, 9-26-89, Cl. D24-54.000.
- Goldberg, James R.; and Hofheins, Leonard L., to Schlage Lock Company. Combined door handle and lock unit. 300,300, 3-21-89, Cl. D8-302.000.
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- Goldman, Howard B. Adjustable keyboard support stand. 304,270, 10-31-89, Cl. D6-462.000.
- Goldman, Jonathan; and Ueno, Naohiro. Jewelry ring. 299,912, 2-21-89, Cl. D11-38.000.
- Goldman, Jonathan; and Ueno, Naohiro, to Frederick Goldman, Inc. Jewelry ring. 302,954, 8-22-89, Cl. D11-38.000.
- Goldman, Neil V. H., to Frank Coleman (Luton) Limited. Carton blank. 304,160, 10-24-89, Cl. D9-433.000.
- Goldman, Paul R., to Goldman, Paul R. Chaise lounge. 302,079, 7-11-89, Cl. D6-361.000.
- Goldmar Manufacturing Co.: *See—*
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- Goldstein, Joseph. Handle for roll of plastic film. 299,654, 1-31-89, Cl. D15-145.000.
- Goldstein, Ramiel. Tent peg. 303,561, 9-19-89, Cl. D21-255.000.
- Goldstein, Sol. Shelf clip for holding promotional advertising materials. 300,836, 4-25-89, Cl. D20-43.000.
- Goldston, Roland H. Cart for transporting mattress or the like. 303,030, 8-22-89, Cl. D34-26.000.
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- Gonzalez, Eliseo. Glove for sporting events and the like. 301,393, 6-6-89, Cl. D2-610.000.
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  - Perricelli, Ralph; and Gonzalez, Raymond, 304,316, Cl. D11-99.000.
- Gonzalez, Teodoro J., to Price Pfister, Inc. Wingnut. 302,110, 7-11-89, Cl. D8-398.000.
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- Goodner, Donna E.; and Naderi, Jamshid, to Hand Held Products, Inc. Battery pack for electronic bar code reader. 304,026, 10-17-89, Cl. D13-8.000.
- Goodner, Douglas E.; Iorio, David V.; Pangburn, Thomas E.; Stoyer, Roy D.; and Worth, Ronald K., to International Business Machines Corporation. Access door for a computer printer. 305,244, 12-26-89, Cl. D18-18.000.
- Goodrich, Gordon W.; and Chung, Roy, to Bissell Inc. Vacuum cleaner. 303,171, 8-29-89, Cl. D32-21.000.
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- Gordo, Fred L., to Gillette Company, The. Point and barrel tip assembly for writing instrument. 299,660, 1-31-89, Cl. D19-54.000.
- Gordo, Fred L., to Gillette Company, The. Point and barrel tip assembly and point for writing instrument. 300,834, 4-25-89, Cl. D19-55.000.
- Gordo, Fred L., to Gillette Company, The. Combined barrel tip assembly and point unit for a writing instrument. 302,442, 7-25-89, Cl. D19-55.000.
- Gordon, Robert A., to Vodavi Communications Systems, Inc. Telephone set. 303,526, 9-19-89, Cl. D14-151.000.
- Goren, Efraim. Diamond polishing platform. 302,100, 7-11-89, Cl. D8-71.000.
- Gorman, Jeffrey B.; and Katz, Marilyn, to Eiphany, Inc. Confection package. 301,835, 6-27-89, Cl. D7-314.000.
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- Goutal, Annick, to Annick Goutal. Combined light bulb attachment and scent releasing pebbles therefor. 301,760, 6-20-89, Cl. D26-113.000.
- Goutchat, Maurice. Note pad holder. 303,399, 9-12-89, Cl. D19-78.000.
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- Granberg, William J.; Wagner, Richard A.; and Hundt, Gary W., to Essex Environmental Industries, Inc. Industrial container. 305,259, 12-26-89, Cl. D23-205.000.
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- Grange, Kenneth H.; and Santer, Johan C., to Reuters Limited. Visual display monitor. 303,580, 9-12-89, Cl. D14-113.000.
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- Green, David T.; and Ratcliff, Keith, to United States Surgical Corporation. Annular anvil for a surgical stapler. 304,234, 10-24-89, Cl. D24-27.000.
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- Green, Joseph M. Panel carrier. 299,691, 2-7-89, Cl. D8-14.000.
- Green, Richard D. Dual compartment bottle. 301,688, 6-20-89, Cl. D9-341.000.
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- Gregory, Stephen O. Sink dispenser head. 299,198, 1-3-89, Cl. D6-542.000.

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- Gressett, Charles A., Jr.; Todd, Charles H., III; and Page, John F., to Fender Musical Instruments Corporation. Bridge assembly for guitars. 304,341, 10-31-89, Cl. D17-21.000.
- Greulich, Robert G., to Atlas Sound, Division of American Trading & Production Corporation. Adapter clamp body for microphones or the like. 299,906, 2-21-89, Cl. D8-394.000.
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- Grider, Sherman P., to Bollinger Industries. Adjustable exercise bench. 300,045, 2-28-89, Cl. D21-191.000.
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- Grieshaber, Herman R. Surgical instrument handle. 300,851, 4-25-89, Cl. 24-30.000.
- Griffin, John, to Hoggan Health Industries, Inc. Weight lifting physical exerciser. 300,233, 3-14-89, Cl. D21-191.000.
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- Grinyer, Clive A.; and Papak, Eugene P., to Ford Motor Company. Front control panel for a vehicular combined tape player and radio or the like. 304,443, 11-7-89, Cl. D14-258.000.
- Grise, Daniel, to Pinceaux Universels Clic Ltee. Paintbrush handle. 302,493, 8-1-89, Cl. D4-138.000.
- Grise, Daniel, to Pinceaux Universels Clic Ltee. Paintbrush handle. 302,494, 8-1-89, Cl. D4-138.000.
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- Grohman, Hubert; and Nilsson, Halvard, to Gislaved Aktiebolag. Vehicle tire. 301,023, 5-9-89, Cl. D12-147.000.
- Gromer, Robert D., Jr., to Goldblatt Tool Co. Tape dispenser. 305,037, 12-12-89, Cl. D19-69.000.
- Groobert, Daniel; and Dandrea, Robert, to Food Trends, Inc. Cheesecake wedge. 300,380, 3-28-89, Cl. D1-102.000.
- Grosfillex, Raymond, to Grosfillex S.A.R.L. Adjustable armchair. 299,292, 1-10-89, Cl. D6-367.000.
- Grosfillex, Raymond. Foldable chaise lounge. 302,768, 8-15-89, Cl. D6-361.000.
- Grosfillex, Raymond. Armchair. 303,591, 9-26-89, Cl. D6-370.000.
- Grosfillex, Raymond. Armchair. 303,736, 10-3-89, Cl. D6-379.000.
- Grosfillex, Raymond. Armchair. 304,001, 10-17-89, Cl. D6-379.000.
- Grosfillex, Raymond. Combined adjustable chair and ottoman unit. 305,081, 12-19-89, Cl. D6-361.000.
- Grosfillex S.A.R.L.: *See—*
  - Grosfillex, Raymond, 299,292, Cl. D6-367.000.
- Grosjean, Michel, to Dinac Diffusion d'Idees Nouvelles Appliquees a la Construction, Societe Anonyme. Protective wall rail. 301,623, 6-13-89, Cl. D25-119.000.
- Grossiord, Claude, to S. T. DuPont. Clip for writing instrument. 302,700, 8-8-89, Cl. D19-56.000.
- Grossiord, Claude, to S. T. Dupont. Key-ring. 303,997, 10-17-89, Cl. D3-61.000.
- Grossiord, Claude, to S.T. DuPont. Key-ring. 304,976, 12-12-89, Cl. D3-61.000.
- Grossman, Gary, to Eagle Affiliates, Inc. Modular mobile storage unit. 300,491, 4-4-89, Cl. D6-479.000.
- Groth, Francis R.: *See—*
  - Hoffman, Ronald J.; Groth, Francis R.; and Neff, Steven W., 303,216, Cl. D9-434.000.
- Grotsch, Gerald, to J. S. Staedtler GmbH & Co. Retractable holder for an eraser or similar article. 303,992, 10-10-89, Cl. D19-53.000.
- Groue, Nancy: *See—*
  - Wilson, Thomas P.; Swanlund, Wendy; and Groue, Nancy, 303,175, Cl. D2-227.000.
- Groves, John P.: *See—*
  - Bongard, James A.; Delaney, Michael J.; Duncan, Eugene F.; Fredricks, Cheryl A.; Groves, John P.; Kalista, Daniel J.; Klingseisen, Paul; Lazzaro, Joseph; and Nadolski, Gregory L., 301,333, Cl. D13-13.000.
- Groves, Michael; Hume, Anthony; Sothcott, Jonathan; and Pemberton, Martin, to State Rail Authority of New South Wales. Rail car. 301,704, 6-20-89, Cl. D12-40.000.
- Gruber Systems, Inc.: *See—*
  - Lenahan, Scott G., 302,505, Cl. D6-524.000.
- Grudzien, Christopher P., Jr., to Dresser Industries, Inc. Electronic thermometer display or the like. 300,122, 3-7-89, Cl. D10-60.000.
- Gruenbaum, Witold: *See—*
  - Marlow, Nicholas S.; and Gruenbaum, Witold, 303,722, Cl. D27-189.000.
- Gruenspecht, Mark J.; and Samson, Sam, to Sea Hands. Inflatable swimming glove. 299,261, 1-3-89, Cl. D21-239.000.
- Gruenspecht, Mark J.; and Samson, Sam, to Sea Hands. Inflatable swimming glove. 299,262, 1-3-89, Cl. D21-239.000.
- Grutzke, Joachim, to Rowenta-Werke GmbH. Egg cooker. 299,903, 2-21-89, Cl. D7-357.000.
- GTE Products Corporation: *See—*
  - Benson, Timothy A.; and Gagnon, Peter R., 301,069, Cl. D26-2.000.
  - Caldwell, David H.; and Picini, Dan E., 300,906, Cl. D9-418.000.
  - Chakrabarti, Kirti B.; Garrity, Donald F., Jr.; and Cashman, James L., III, 303,156, Cl. D26-2.000.
  - Fields, Larry R.; Kendrick, George B.; and Morris, Merle E., 303,015, Cl. D26-26.000.
  - Orbanic, Robert S., 300,819, Cl. D13-24.000.
  - Orbanic, Robert S., 300,820, Cl. D13-24.000.
  - Titmarsh, Brian V., 300,864, Cl. D26-24.000.
  - Zwald, John J., 304,243, Cl. D26-4.000.
- Guan, Davies T. H., to Designtime Company Limited. Watch strap. 300,411, 3-28-89, Cl. D11-12.000.
- Guan, Davies T. H., to Designtime Company Limited. Watch strap. 300,412, 3-28-89, Cl. D11-12.000.
- Guardian Technologies, Inc.: *See—*
  - Fuller, Kip L., 304,232, Cl. D24-17.000.
- Gucci Ludolf, Uberto: *See—*
  - Agostini, Fabrizio; and Gucci Ludolf, Uberto, 301,019, Cl. D10-126.000.
- Gudefin, Jacques, to Calor S.A. Combined cordless laundry iron and re-charging base. 299,573, 1-24-89, Cl. D32-70.000.
- Guest Supply, Inc.: *See—*
  - Miyakawa, James, 301,838, Cl. D9-403.000.
  - Miyakawa, James, 304,687, Cl. D9-403.000.
  - Miyakawa, James, 304,688, Cl. D9-403.000.
- Guido, Anthony: *See—*
  - Peart, Stephen; and Guido, Anthony, 303,791, Cl. D14-107.000.
- Guidotti, James M. Game board design. 304,209, 10-24-89, Cl. D21-34.000.
- Guillet, Henri. Eyeglasses for make-up application. 304,950, 12-5-89, Cl. D16-102.000.
- Guldalian, Jack, Jr., to Neurotron, Inc. Instrument for measuring nerve conduction velocities. 299,746, 2-7-89, Cl. D24-17.000.
- Gundlach, Joel T.: *See—*
  - Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,951, Cl. D26-78.000.
  - Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,952, Cl. D26-78.000.
  - Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,953, Cl. D26-78.000.
  - Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 301,278, Cl. D26-78.000.
- Gurganus, Marvin E. Support bracket for holding load locks when not in use for mounting on a beam behind the cab of a truck vehicle. 304,168, 10-24-89, Cl. D12-157.000.
- Gurrola, Ruben A. Outer garment. 300,280, 3-21-89, Cl. D2-185.000.
- Gurstein, Russell S., to U.S. Products, Inc. Portable cleaning machine for carpets, draperies and upholstery. 302,613, 8-1-89, Cl. D32-15.000.
- Guspodin, James G., to Firestone Tire & Rubber Company, The. Tire. 304,562, 11-14-89, Cl. D12-147.000.

- Guss, Shiela, to Playtex Apparel, Inc. Brassiere. 301,932, 7-4-89, Cl. D2-24.000.
- Guss, Shiela, to Playtex Apparel, Inc. Brassiere. 303,588, 9-26-89, Cl. D2-24.000.
- Guss, Shiela, to Playtex Apparel, Inc. Brassiere. 304,255, 10-31-89, Cl. D2-24.000.
- Guss, Shiela: *See—*
  - Shonk, Phyllis; and Guss, Shiela, 299,880, Cl. D2-24.000.
- Gustafson Enterprises, Inc.: *See—*
  - Gustafson, John R., 304,534, Cl. D6-469.000.
- Gustafson, John R., to Gustafson Enterprises, Inc. Wire dispenser rack. 304,534, 11-14-89, Cl. D6-469.000.
- Gustafsson, Nils-Ake, to Sprinter Pack AB. Carrier/package blank. 299,430, 1-17-89, Cl. D9-433.000.
- Gustafsson, Nils-Ake, to Sprinter Pack AB. Carrier/package blank. 299,431, 1-17-89, Cl. D9-433.000.
- Gustafsson, Nils-Ake, to Sprinter Pack AB. Carrier/package blank. 299,432, 1-17-89, Cl. D9-433.000.
- Gustafsson, Nils-Ake, to Sprinter Pack AB. Carrier package blank. 299,433, 1-17-89, Cl. D9-433.000.
- Gustafsson, Tore L., to Monark AB. Bicycle exerciser. 299,732, 2-7-89, Cl. D21-194.000.
- Gutierrez, Mario B. File clip. 304,958, 12-5-89, Cl. D19-65.000.
- Gutknecht, Leroy H. Cover for slot machine. 301,494, 6-6-89, Cl. D21-48.000.
- Gutknecht, Leroy H. Slot machine door. 305,133, 12-19-89, Cl. D21-38.000.
- Gutman, Robert F., to United Technologies Automotive, Inc. Automotive power seat switch. 301,873, 6-27-89, Cl. D13-38.000.
- Guttormsen, Rolf. Bench for physiotherapeutical treatment. 304,614, 11-14-89, Cl. D24-3.000.
- Gwon, Pu G. Swimming sandal. 304,648, 11-21-89, Cl. D2-270.000.
- Gyebnar, Sally L. Cover for a comforter. 305,084, 12-19-89, Cl. D6-601.000.
- Gym Trix, Inc.: *See—*
  - Eyman, Waldorf C., Jr., 300,234, Cl. D21-199.000.
- H. G. Wallace Limited: *See—*
  - Thomas, Madeline, 304,496, Cl. D24-54.000.
- Haack, Elmer. Laundry wringer. 301,073, 5-9-89, Cl. D32-27.000.
- Haas, Ulrich J., to Optyl Ryewear Fashion International Corp. Eyeglasses. 302,020, 7-4-89, Cl. D16-102.000.
- Haas, Ulrich J., to Optyl Eyewear Fashion International Corp. Eyeglass frame. 302,166, 7-11-89, Cl. D16-102.000.
- Haataja, Howard G.: *See—*
  - Haavig, Thomas H.; Haataja, Howard G.; and Jackson Kenneth R., 299,944, Cl. D22-126.000.
- Haavig, Thomas H.; Haataja, Howard G.; and Jackson, Kenneth R. Fishing jig. 299,944, 2-21-89, Cl. D22-126.000.
- Haber, Barry M.: *See—*
  - Sullivan, Jack J.; Haber, Barry M.; and Butler, James E., 299,462, Cl. D14-147.000.
- Habicht, Helmut. Rotary actuator. 304,834, 11-28-89, Cl. D15-148.000.
- Hackelsberger, Franzjosef. Glass brick. 300,061, 2-28-89, Cl. D25-107.000.
- Hackelsberger, Franzjosef, to J. Weck GmbH & Co. Glass brick. 300,062, 2-28-89, Cl. D25-108.000.
- Hadrian Crystal Limited: *See—*
  - Ernest, Bruce F., 302,535, Cl. D11-162.000.
- Hadtke, Frederick B., to Champion Spark Plug Company. Container. 304,684, 11-21-89, Cl. D9-415.000.
- Hadtke, Frederick B., to Champion Spark Plug Company. Container. 304,685, 11-21-89, Cl. D9-415.000.
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, to MC Kesson Corporation. Syphon bottle or similar article. 300,896, 5-2-89, Cl. D7-51.000.
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, to McKesson Corporation. Siphon bottle or similar article. 302,525, 8-1-89, Cl. D9-399.000.
- Hagberg, Knut: *See—*
  - Hagberg, Marianne; and Hagberg, Knut, 300,897, Cl. D7-151.000.
- Hagberg, Marianne; and Hagberg, Knut, to Ikea of Sweden Aktiebolag. Knife. 300,897, 5-2-89, Cl. D7-151.000.
- Hagedorn, Manfred R. Workbench support holder for automotive engine members or similar article. 299,809, 2-14-89, Cl. D8-373.000.
- Hagee, Gerald D., to Endless Impressions, Inc. Non monetary coin. 302,533, 8-1-89, Cl. D11-104.000.
- Hagg, Hans R., to Stiftelsen Westmannaprodukter. Rail guide for pliable plastic prehung doors. 299,760, 2-7-89, Cl. D25-119.000.
- Haggerty, Peter D.; and Rayl, Eric L. Air valve closure for inflatable article. 299,379, 1-10-89, Cl. D23-249.000.
- Haggerty, Peter D.; Lea, James M.; Frickland, Peter O.; Rayl, Eric L.; and Burroughs, John D., to Cascade Designs, Inc. Body support pad. 303,466, 9-19-89, Cl. D6-503.000.
- Hagiwara, Ippei: *See—*
  - Hara, Naoyuki; and Hagiwara, Ippei, 301,454, Cl. D13-1.000.
- Hagiwara, Satoru: *See—*
  - Hirakawa, Norishige; Sato, Kazuhiko; and Hagiwara, Satoru, 300,034, Cl. D15-7.000.
- Hahn, Daniel G. Toy riding airplane. 304,846, 11-28-89, Cl. D21-77.000.
- Hahn, Jerome S., to Regent Sheffield, Ltd. Kitchen tool handle. 303,202, 9-5-89, Cl. D7-395.000.
- Hahn, Jerome S., to Regent Sheffield, Ltd. Knife handle or the like. 303,562, 9-19-89, Cl. D22-118.000.
- Hakuba Shashin Sangyo Kabushiki Kaisha: *See—*
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- HAL Laboratory Inc.: *See—*
  - Iwata, Satoru, 301,256, Cl. D21-48.000.
- Halasz, Egon F. Combined hearing aid battery carrier, tester and key ring. 302,074, 7-11-89, Cl. D3-62.000.
- Halcyon Waterbed Company Ltd.: *See—*
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- Haldorsen, Finn, to Rubb Industri. Framework structure for shelter. 302,593, 8-1-89, Cl. D25-61.000.
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- Hale, John K.: *See—*
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- Hall, David A. Games table. 303,277, 9-5-89, Cl. D21-232.000.
- Hall, David C., to Laughton & Sons Limited. Compact. 305,164, 12-19-89, Cl. D28-83.000.
- Hall, Robert E., to Great Plains Industries, Inc. Tubine rotor. 302,396, 7-25-89, Cl. D10-96.000.
- Hallgren, Leander; Rudy, Theodore R.; and Waite, Cheryl A., to AbleNet. Pressure sensitive push button switch. 305,022, 12-12-89, Cl. D13-32.000.
- Halstead Industries, Inc.: *See—*
  - Lauer, Eduard, 300,404, Cl. D8-98.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined door handle and lock plate. 300,113, 3-7-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined handle and lock. 300,114, 3-7-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined handle and lock. 300,115, 3-7-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined door handle and lock plate unit. 300,202, 3-14-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined door handle and lock plate unit. 300,203, 3-14-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined door handle and lock plate unit. 300,204, 3-14-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined lock and handle unit. 302,103, 7-11-89, Cl. D8-302.000.
- Halsted, Milt J.; and Graham, Karen L., to Kwikset Corporation. Combined lock and handle unit. 303,489, 9-19-89, Cl. D8-302.000.
- Halsted, Milton J.: *See—*
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- Halter, Jeffrey T., to Quaker Oats Company, The. Wheeled toy. 302,574, 8-1-89, Cl. D21-136.000.
- Hamada, Tokimi; and Shintomi, Hisashi, to Ohtsu Tire & Rubber Co., Ltd., The. Vehicle tire. 300,621, 4-11-89, Cl. D12-149.000.
- Hamberg, Bjorn. Garment protector. 299,980, 2-28-89, Cl. D2-225.000.
- Hamill, Hugh J.: *See—*
  - Brown, Paul D.; and Hamill, Hugh J., 299,886, Cl. D2-314.000.
  - Miller, David E.; and Hamill, Hugh J., 301,388, Cl. D2-314.000.
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- Hamilton Sorter Co., Inc.: *See—*
  - Kwiecinski, Gordon F., 303,737, Cl. D6-455.000.
- Hammer, Richard. External fixation device. 303,577, 9-19-89, Cl. D24-64.000.
- Hammerquist, David. Chemically lighted swizzel stick. 301,104, 5-16-89, Cl. D7-42.000.
- Hammond, Charles C.; and Hammond, James A., to Laura Woods Company. Towel holder. 302,506, 8-1-89, Cl. D6-547.000.
- Hammond, Douglas S.: *See—*
  - Ewing, Robert L.; Hammond, Douglas S.; and Roush, Mark L., 300,670, Cl. D26-67.000.
  - Ewing, Robert L.; Hammond, Douglas S.; Leary, James L.; Meredith, David G.; and Roush, Mark L., 300,671, Cl. D26-67.000.
- Hammond, James A.: *See—*
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- Hanak, Joseph J., to Energy Conversion Devices, Inc. Combined flexible solar cell panel and deployment/storage mast. 303,244, 9-5-89, Cl. D13-3.100.
- Hanamura, Junichi, to Shimano Industrial Company Limited. Bicycle. 301,438, 6-6-89, Cl. D12-111.000.
- Hanashima, Taira: *See—*
  - Nakao, Shinroku; Ishii, Yoshiyasu; and Hanashima, Taira, 302,189, Cl. D21-63.000.
- Hance, Sheila D.; and Brockman, Anna M., to Mahler, Kenneth. Cushion float. 302,719, 8-8-89, Cl. D21-237.000.
- Hancock, D. Richard. Multi-purpose holder. 304,656, 11-21-89, Cl. D6-553.000.
- Hand Held Products, Inc.: *See—*
  - Goodner, Donna E.; and Naderi, Jamshid, 304,026, Cl. D13-8.000.
- Hand, James C.: *See—*
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  - Klawitter, Ronald R., 302,186, Cl. D21-59.000.
- Handler, Milton E.; Sylvan, Richard; and Baisch, Herbert, to Hirsh Company. Tool holder. 299,481, 1-24-89, Cl. D6-569.000.

Handler, Milton E.; and Peterson, Michael, to Hirsh Company. Shelf. 299,687, 2-7-89, Cl. D6-574.000.

Handler, Milton E.; Sylvan, Richard; and Baisch, Herbert, to Hirsh Company. End standard for a storage shelf. 300,592, 4-11-89, Cl. D6-491.000.

Handler, Milton E.; Sylvan, Richard; and Baisch, Herbert, to Hirsh Company. Closet organizer. 301,812, 6-27-89, Cl. D6-462.000.

Handler, Milton E.; and Peterson, Michael, to Hirsh Company. Implement holder. 304,137, 10-24-89, Cl. D6-569.000.

Handler, Milton E.; Sylvan, Richard; and Baisch, Herbert, to Hirsh Company. Garment rack. 304,528, 11-14-89, Cl. D6-411.000.

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Hanna, Emmanuel A., to Bobrick Washroom Equipment, Inc. Folding utility shelf. 300,999, 5-9-89, Cl. D6-574.000.

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Hansen, Oscar A. Combination beach towel and beach cover-up. 299,580, 1-31-89, Cl. D2-25.000.

Hansen, Tore; and Hansen, Henrik. Chimney cap. 299,530, 1-24-89, Cl. D23-374.000.

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Hanson, Mark L., to MinnFac, Inc. Free-standing deck light. 301,756, 6-20-89, Cl. D26-68.000.

Hanson, Mark L., to MinnFac, Inc. Bolt on deck light. 301,757, 6-20-89, Cl. D26-68.000.

Hanson, Patrick. Compact disc holder. 304,781, 11-28-89, Cl. D3-35.000.

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Hansson, Maria. Combined earring display and storage case. 303,999, 10-17-89, Cl. D3-75.000.

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Hara, Kunio, to Kabushiki Kaisha Toshiba. Sorter attachment for copying machine. 299,832, 2-14-89, Cl. D18-42.000.

Hara, Kunio, to Kabushiki Kaisha Toshiba. Combined copying machine and electronic computer. 301,471, 6-6-89, Cl. D14-100.000.

Hara, Kunio; and Hiroki, Shin-ichi, to Kabushiki Kaisha Toshiba. Image scanner. 302,007, 7-4-89, Cl. D14-107.000.

Hara, Kunio, to Kabushiki Kaisha Toshiba. Optical disk unit for an electronic computer. 302,150, 7-11-89, Cl. D14-109.000.

Hara, Kunio, to Kabushiki Kaisha Toshiba. Electronic copying machine. 303,792, 10-3-89, Cl. D14-107.000.

Hara, Kunio, to Kabushiki Kaisha Toshiba. Electronic copying machine. 304,177, 10-24-89, Cl. D14-107.000.

Hara, Kunio; and Hiroki, Shin-ichi, to Kabushiki Kaisha Toshiba. Facsimile. 304,183, 10-24-89, Cl. D14-118.000.

Hara, Kunio, to Kabushiki Kaisha Toshiba. Optical disk storage device. 304,332, 10-31-89, Cl. D14-109.000.

Hara, Kunio; and Hiroki, Shin-ichi, to Kabushiki Kaisha Toshiba. Combination printer and image scanner. 304,824, 11-28-89, Cl. D14-107.000.

Hara, Kunio; and Hiroki, Shin-ichi, to Kabushiki Kaisha Toshiba. Image scanner. 304,825, 11-28-89, Cl. D14-107.000.

Hara, Masaki; Shiratani, Sadao; Sawatani, Masaharu; and Fukunaga, Masataka, to Mitsubishi Denki Kabushiki Kaisha. Operation and control unit for a computer. 304,931, 12-5-89, Cl. D14-100.000.

Hara, Naoyuki; and Hagiwara, Ippei, to Mitsubishi Denki Kabushiki Kaisha. Miniature electric motor. 301,454, 6-6-89, Cl. D13-1.000.

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Harada Kogyo Kabushiki Kaisha: *See—*
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Harada, Mas. Single port coupler for resonance splitting in hearing aid. 300,660, 4-11-89, Cl. D24-35.000.

Harada, Mas. Angulated single port coupler for resonance splitting in hearing aids. 301,616, 6-13-89, Cl. D24-35.000.

Harada, Mieko: *See—*
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Harari, Rolando S. Key-holder. 299,480, 1-24-89, Cl. D3-61.000.

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Bergman, Mark W., 302,091, Cl. D7-141.000.

Harboe, Henrik; Nieben, Ole Gyring; Jacobsen, Erik; and Svendsen, Gunnar, to Ballobes ApS. Intragastric balloon kit consisting of an intragastric balloon device, a pump, a container tube and a box. 303,288, 9-5-89, Cl. D24-8.000.

Harden, Daniel K.; Kostakis, Nicholas; and Sarath, Alan, to American Telephone and Telegraph Company; and AT&T Bell Laboratories. Communication equipment housing. 303,664, 9-26-89, Cl. D14-140.000.

Harden Industries, Inc.: *See—*
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Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 300,037, Cl. D16-244.000.

Hardy, Terence, to L.B. (Plastics) Limited. Cover member for a window or door construction. 299,962, 2-21-89, Cl. D25-119.000.

Hardy, Terence, to L.B. (Plastics) Limited. Frame member for a window or door construction. 299,968, 2-21-89, Cl. D25-124.000.

Hardy, Terence, to L. B. (Plastics) Limited. Frame member for a window or door construction. 299,969, 2-21-89, Cl. D25-124.000.

Hardy, Terence, to L. B. (Plastics) Limited. Sill member for a window or door construction. 299,970, 2-21-89, Cl. D25-124.000.

Hardy, Terence: *See—*
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Litchfield, Leon G.; and Hardy, Terence, 299,965, Cl. D25-124.000.
Litchfield, Leon G.; and Hardy, Terence, 299,966, Cl. D25-124.000.
Litchfield, Leon G.; and Hardy, Terence, 299,967, Cl. D25-124.000.

Hargrove, James V., to Sabian Ltd. Cymbal. 301,893, 6-27-89, Cl. D17-22.000.

Harken, Olaf T.; and Bootz, Terry. Shoe upper. 299,181, 1-3-89, Cl. D2-314.000.

Harlan, Sven, to Ballet Design, Inc. Ballet barre. 301,361, 5-30-89, Cl. D21-191.000.

Harley-Davidson, Inc.: *See—*
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Trusky, Michael T., 299,220, Cl. D12-111.000.

Harmer, Warren E., to W. E. Harmer Associates Pty. Ltd. Chair lounge. 304,394, 11-7-89, Cl. D6-361.000.

Harmony, Daniel C., to Engineering & Research Associates, Inc. Needle guard. 302,296, 7-18-89, Cl. D24-25.000.

Harms, David A.: *See—*
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Haro, Robert B. Sprocket. 299,448, 1-17-89, Cl. D12-123.000.

Haro, Robert B., to Derby Cycle Corporation, The. Foldable footpeg for bicycles. 304,814, 11-28-89, Cl. D12-114.000.

Harold, Thomas L. Vehicle starter switch auxiliary handle. 304,994, 12-12-89, Cl. D8-308.000.

Harpe, Willie. Combined talking calendar and thermometer. 304,342, 10-31-89, Cl. D19-21.000.

Harper, Joan M.; and Moon, Linda A. Dual carrying bag. 302,354, 7-25-89, Cl. D3-32.000.

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Harrell, Bruce W. Doll. 301,506, 6-6-89, Cl. D21-168.000.

Harrell, Charles W. Wall hung console table. 299,896, 2-21-89, Cl. D6-574.000.

Harrell, Charles W. Wall-mounted cabinet unit or similar article. 300,098, 3-7-89, Cl. D6-561.000.

Harrington, William J. Clamp. 304,978, 12-12-89, Cl. D8-395.000.

Harris Corporation: *See—*
Gregson, Donald L., 299,492, Cl. D14-240.000.

Harris, David P.: *See—*
Simpkins, Terry J.; and Harris, David P., 300,997, Cl. D6-503.000.

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Harris, Gregory A.; and Harris, Thomas C., to Arena of Georgia, Inc. Advertising scoreboard. 300,435, 3-28-89, Cl. D20-19.000.

Harris, Lurener M. Skater's learning aid. 301,598, 6-13-89, Cl. D21-224.000.

Harris & Mallow, Inc.: *See—*
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Harrison, Marc, to Connoisseurs Products Corporation. Electrosonic cleaning bath enclosure. 303,442, 9-12-89, Cl. D32-1.000.

Harrison, Patricia L. Film changing bag. 302,170, 7-11-89, Cl. D16-237.000.

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Harrod, Lawrence R., to Kransco. Ride-on toy vehicle. 299,666, 1-31-89, Cl. D21-134.000.

Harrower, Harold P., III. Offset dual neck guitar. 302,278, 7-18-89, Cl. D17-15.000.

Harrup, Anthony B.: *See—*
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Harter, Craig L. Stationary bicycle exerciser. 299,669, 1-31-89, Cl. D21-194.000.

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Hartmann, Norman. Golf cart with odometer. 302,616, 8-1-89, Cl. D34-15.000.

Hartt, Robert M. Canoe paddle. 302,147, 7-11-89, Cl. D12-215.000.

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Harvey, Peter R. Combined bathtub and water closet cover. 301,606, 6-13-89, Cl. D23-271.000.

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Hase, Yoshiaki, to Asics Corporation. Shoe sole. 301,658, 6-20-89, Cl. D2-320.000.

Hasegawa, Hideaki; and Yamada, Yoshihiro, to Hitachi Koki Company, Ltd. Cordless electric drill. 300,717, 4-18-89, Cl. D8-68.000.

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Hasegawa, Saburo. Wire puzzle. 304,045, 10-17-89, Cl. D21-106.000.

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Hashihara, Muneshige, to Takara Marine Service Inc. Adjustable chair for a fisherman. 302,495, 8-1-89, Cl. D6-367.000.

Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ebihara, Tooru; Shimizu, Hideyasu; Tsunematsu, Shinichiro; and Takeda, Hirokazu, to Hitachi, Ltd. Facsimile transceiver. 304,722, 11-21-89, Cl. D14-118.000.

Hashimoto, Kazunori; Saegusa, Masahito; Ohwada, Takashi; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Yamashita, Kyoichi, to Hitachi, Ltd. Facsimile transceiver. 304,724, 11-21-89, Cl. D14-118.000.

Hashimoto, Kazunori: *See—*
Saegusa, Masahito; Hashimoto, Kazunori; Ohwada, Takashi; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Yamashita, Taichiro, 304,578, Cl. D14-118.000.
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Hashimoto, Kenichiro: *See—*
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Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 303,058, Cl. D7-99.000.

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Hatakeyama, Hisao, to Tanaka Manufacturing Co. Ltd. Vehicle compass with light. 303,506, 9-19-89, Cl. D10-68.000.

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Hatanaka, Tomoyuki, to Sharp Kabushiki Kaisha. Microwave oven. 303,606, 9-26-89, Cl. D7-351.000.

Hatch, C. Daulton. Napkin holder. 302,368, 7-25-89, Cl. D7-72.000.

Hatfield, John G., to AMP Incorporated. Multiple stroke ratchet tool for crimping, cutting or the like. 303,917, 10-10-89, Cl. D8-51.000.

Hatfield, Tinker: *See—*
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Hathaway, Richard C., to C. R. & I., Inc. Strut retention device. 301,532, 6-27-89, Cl. D8-349.000.

Hattle, Sally A.: *See—*
Freeman, Michael; Hattle, Sally A.; and Romm, Michael, 303,246, Cl. D13-30.000.

Hattori, Akiyoshi, to Nitsuko Corporation. Key telephone set. 299,823, 2-14-89, Cl. D14-151.000.

Hattori, Kenneth M.: *See—*
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Hattori, Seiji, to Dacor Corporation. Diving mask. 302,747, 8-8-89, Cl. D29-9.000.

Hattori, Yasuo: *See—*
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Haug, Andreas; and Schonherr, Thomas, to Hans Grohe GmbH & Co. KG. Faucet handle. 304,071, 10-17-89, Cl. D23-250.000.

Haukvik, Ola; and Lunde, Martin, to J. E. Ekornes A/S. Adjustable seat. 303,735, 10-3-89, Cl. D6-365.000.

Haus, Ralph A.: *See—*
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Havelock, Ken. Toy fox animal figure. 301,502, 6-6-89, Cl. D21-148.000.

Havelock, Ken. Toy skunk animal figure or similar article. 301,503, 6-6-89, Cl. D21-148.000.

Havelock, Ken. Toy prairie dog animal figure. 301,508, 6-6-89, Cl. D21-188.000.

Havelock, Ken. Toy chipmunk animal figure. 301,509, 6-6-89, Cl. D21-188.000.

Havelock, Ken. Toy badger animal figure. 301,725, 6-20-89, Cl. D21-148.000.

Havelock, Ken. Mouse-shaped toy or similar article. 301,905, 6-27-89, Cl. D21-188.000.
Havelock, Ken. Squirrel-shaped toy or similar article. 302,284, 7-18-89, Cl. D21-188.000.
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Hayakawa, Toshio; and Tsuda, Toru, to Bridgestone Corporation. Automobile tire. 305,016, 12-12-89, Cl. D12-147.000.
Hayakawa, Tsuyoshi, to Seikosha Co., Ltd. Clock movement. 303,227, 9-5-89, Cl. D10-129.000.
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Hayasaka, Sigeki; and Takahashi, Mamoru, to NEC Corporation. Radio pager. 304,192, 10-24-89, Cl. D14-191.000.
Hayashi, Masaki, to Casio Computer Co., Ltd. Electronic calculator. 301,895, 6-27-89, Cl. D18-7.000.
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Hayes, George L.; and Fitzsimmons, Douglas W., to Hoffman-La Roche Inc. Chemistry analyzer tray. 305,002, 12-12-89, Cl. D9-425.000.
Hayes, George L.; and Fitzsimmons, Douglas W., to Hoffman-La Roche Inc. Chemistry analyzer tray. 305,003, 12-12-89, Cl. D9-425.000.
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  Muller, Peter H.; Lowe, Peter E.; and Bleske, Randy J., 304,936, Cl. D14-107.000.
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  Wilson, Robert; and Hayes, Wayne, 304,296, Cl. D9-374.000.
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Haynes, Robert E., to Lew Childre & Sons, Inc. Spool faceplate for a fishing reel. 303,002, 8-22-89, Cl. D22-141.000.
Haynes, Robert E., to Lew Childre & Sons, Inc. Fishing reel. 304,065, 10-17-89, Cl. D22-141.000.
Hays, Roderick S. Anchor ring. 302,541, 8-1-89, Cl. D12-215.000.
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  Denton, John B., 304,960, Cl. D20-20.000.
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Heap, Jean W., to Pendelfin Studios Limited. Table ornament. 301,214, 5-23-89, Cl. D11-158.000.
Heap, Jean W., to Pendelfin Studios Limited. Table ornament. 301,319, 5-30-89, Cl. D11-158.000.
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  Heary, Kenneth P., 305,104, Cl. D10-105.000.
Heary, Kenneth P., to Heary Bros. Lightening Protection Co., Inc. Lightning arrester. 305,104, 12-19-89, Cl. D10-105.000.
Heath, Charles. Clip for holding a lighter. 303,159, 8-29-89, Cl. D27-172.000.
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Heck, Kenneth R., Sr.: *See*—
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Heddon, Will. Decorative divider cap for bowling lanes. 301,909, 6-27-89, Cl. D21-233.000.
Hedenberg, Conny; and Tillner, Alfred. Apparatus for applying seat covers to automobile backrests or the like. 303,975, 10-10-89, Cl. D15-199.000.
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Hedstrom, Norman A., to Wright Line, Inc. Drawer with reference shelf. 299,394, 1-17-89, Cl. D6-510.000.
Hefling, Dennis V., to Coleman Company, Inc., The. Air pump. 301,245, 5-23-89, Cl. D15-7.000.
Heger, Niels E., to A/S Jotul. Fireplace surround. 300,943, 5-2-89, Cl. D23-404.000.
Heger, Niels E., to A/S Jotul. Fireplace surround. 300,944, 5-2-89, Cl. D23-404.000.
Heger, Niels E., to A/S Jotul. Fireplace trimming panel. 301,368, 5-30-89, Cl. D23-350.000.
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Heiberger, Robert, to Illinois Tool Works Inc. Low profile snap buckle. 301,566, 6-13-89, Cl. D11-218.000.
Heidemann, Albert; and Kappler, Michael, to OSRAM GmbH. Compact fluorescent lamp. 304,502, 11-7-89, Cl. D26-3.000.
Heilig, Mort. Skateboard. 302,993, 8-22-89, Cl. D21-227.000.
Heiligenstein, Luc, to Associated Mills Inc. Massager. 304,974, 12-5-89, Cl. D24-41.000.
Heim, Richard L. Weight alarm digital scale. 299,702, 2-7-89, Cl. D10-91.000.
Heimberger, Christian. Upholstered chair. 303,326, 9-12-89, Cl. D6-334.000.
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  Yoshida, Takashi, 301,316, Cl. D11-79.000.
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Hengesbach, Robert W. Combined flow control valve and nozzle. 304,489, 11-7-89, Cl. D23-245.000.

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Hofer, Kurt. Bottle. 304,683, 11-21-89, Cl. D9-390.000.
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Hoffman, Ronald J.; and Neff, Steven W., to Chip Clip Corporation. Bottle cap opener. 302,232, 7-18-89, Cl. D8-18.000.
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Hoke, Merle C.; Harvey, John W.; and Bauer, Linda M., to Manville Corporation. Luminaire. 302,737, 8-8-89, Cl. D26-88.000.
Holcomb, Donald E., to Cornelius Company, The. Cup engaging actuation lever for a beverage dispensing head. 300,403, 3-28-89, Cl. D7-398.000.
Holdaway, Gary J., to Hawker Pacific Pty. Limited. Extension tube clip. 304,421, 11-7-89, Cl. D8-373.000.
Holewinski, Robert D., to Johnson & Johnson Consumer Products, Inc. Bottle. 302,384, 7-25-89, Cl. D9-377.000.
Holewinski, Robert D., to Johnson & Johnson Consumer Products, Inc. Combined container and cover for dental restorative components. 302,467, 7-25-89, Cl. D24-31.000.
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Holewinski, Robert D., to Johnson & Johnson Consumer Products, Inc. Platform container with transparent lid. 304,422, 11-7-89, Cl. D9-347.000.
Holewinski, Robert D., to Johnson & Johnson Consumer Products, Inc. Platform container with transparent lid. 304,547, 11-14-89, Cl. D9-347.000.
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Holman, Newell A. Combined planter, trellis and irrigation unit. 304,700, 11-21-89, Cl. D11-155.000.
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Holterscheidt, Siegfried, to Walter Henkels GmbH. Manicure kit. 300,268, 3-14-89, Cl. D28-61.000.
Holterscheidt, Siegfried, to Walter Henkels GmbH. Combination coaster set, corkscrew and bottle opener. 301,532, 6-13-89, Cl. D7-45.000.
Holterscheidt, Siegfried, to Walter Henkels GmbH. Combined desk stand. 304,460, 11-7-89, Cl. D19-77.000.
Holton, Daniel V. Hair comb. 302,342, 7-18-89, Cl. D28-22.000.
Holzman, Robert P., to Poulsen-Cascade Corporation. Buoyant spinner. 302,842, 8-15-89, Cl. D22-129.000.
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Honda, Youji, to Sanyo Electric Co., Ltd. Combined telephone and answering machine. 300,025, 2-28-89, Cl. D14-141.000.
Hong, Chue S.; and Chen, Chin S. Exercise bicycle. 299,504, 1-24-89, Cl. D21-194.000.
Hong, Moon H. Pyramid ball goal post. 304,059, 10-17-89, Cl. D21-200.000.
Hongo, Miyoji; and Yonetsu, Katsumi, to Seiko Instruments & Electronics Ltd. Portable data input terminal. 304,930, 12-5-89, Cl. D14-100.000.
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Honma, Yukihiro, to Kabushiki Kaisha Honma Gorufu Kurabu Seisakusho (Honma Golf Club Mfg., Co., Ltd.) Club-head for golf. 299,505, 1-24-89, Cl. D21-220.000.
Hontz, Thomas D., to J.G. Furniture Systems. Panel unit for a work station. 304,529, 11-14-89, Cl. D6-421.000.

Hoogesteger, Paul A., to Cambridge Instruments, Inc. Protective cover for a rotatable turret assembly and objectives of an inverted microscope. 304,592, 11-14-89, Cl. D16-131.000.

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Hoover, Robert J. Anchor rope guard. 301,303, 5-30-89, Cl. D8-356.000.

Hoover, Robert J. Mounting bracket for rod or similar article. 301,833, 6-27-89, Cl. D8-354.000.

Hoover Universal, Inc.: *See—*
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Horger, John S. Label peeler. 304,841, 11-28-89, Cl. D19-69.000.

Horn, Donald N., to Vicon Industries. Desk top monitor and control unit for a television surveillance system. 305,211, 12-26-89, Cl. D10-106.000.

Horng, Wen-Huey; and Liaw, Shwu-Ling L. Cosmetic compact. 303,724, 9-26-89, Cl. D28-80.000.

Horntrich, Gunter, to Kreuzer Produktion + Vertrieb GmbH & Co KG. Ball-point pen. 303,549, 9-19-89, Cl. D19-48.000.

Horntrich, Gunther, to Kreuzer Produktion Vertrieb & GmbH & Co KG. Marking implement. 300,331, 3-21-89, Cl. D19-43.000.

Hornung, John. Lunch box. 304,008, 10-17-89, Cl. D7-76.000.

Horosko, Michele S. Jewelry pendant or similar article. 300,414, 3-28-89, Cl. D11-80.000.

Horowitz, Jonathan B. Message organizer. 301,490, 6-6-89, Cl. D19-90.000.

Horvath, Joseph L.; and Hultmark, Eric B., to International Business Machines Corporation. Heat sink or similar article. 304,715, 11-21-89, Cl. D13-23.000.

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  Oura, Takao; Okada, Hideki; and Hosaka, Masayoshi, 300,744, Cl. D14-101.000.

Hoshino, Kiyoshi; and Miyamoto, Kouichi, to Ryobi Ltd. Radial arm saw. 299,241, 1-3-89, Cl. D15-133.000.

Hoshino, Kiyoshi; and Numata, Teruhisa, to Ryobi Ltd. Fishing reel handle. 299,679, 1-31-89, Cl. D22-140.000.

Hoshino, Kiyoshi; and Akazawa, Shumi, to Ryobi Limited. Electric drill. 299,808, 2-14-89, Cl. D8-68.000.

Hoshino, Kiyoshi; and Saito, Toshiaki, to Ryobi Ltd. Portable electric driver. 301,198, 5-23-89, Cl. D8-61.000.

Hoshino, Kiyoshi; and Saito, Toshiaki, to Ryobi Ltd. Portable electric driver. 305,093, 12-19-89, Cl. D8-61.000.

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Hoshino, Michio; Ikegami, Masakazu; and Sato, Hajime, to Mabuchi Motor Co., Ltd. Electric motor. 304,169, 10-24-89, Cl. D13-1.000.

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  Iwashita, Masanori, 305,224, Cl. D13-24.000.
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  Masuda, Toru; and Ichitsubo, Norio, 305,117, Cl. D14-114.000.
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Hosogai, Hideyuki; and Morihiro, Junji, to Matsushita Graphic Communication Systems, Inc. Facsimile transceiver. 304,450, 11-7-89, Cl. D14-118.000.

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  Nemec, Edward M.; Hossom, Miles G.; and Marshall, David L., 300,463, Cl. D24-17.000.

Hoszowski, Andrew K., to Moeller Manufacturing Co., Inc. Swim platform. 304,573, 11-14-89, Cl. D12-318.000.

Hotsumi, Minoru; and Nagaki, Yasuhito, to NEC Corporation. Battery charger for a portable radio telephone set. 301,455, 6-6-89, Cl. D13-5.000.

Hotsumi, Minoru; and Nagaki, Yasuhito, to NEC Corporation. Cradle for a portable radio telephone set. 301,474, 6-6-89, Cl. D14-142.000.

Hotsumi, Minoru; and Nagaki, Yasuhito, to NEC Corporation. Handset for a mobile telephone set. 301,875, 6-27-89, Cl. D14-217.000.

Houghtaling, Randy: *See—*
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Houlihan, John T., to Timex Corporation. Digital chronograph alarm timer wristwatch. 300,210, 3-14-89, Cl. D10-32.000.

Houlihan, John T., to Timex Corporation. Stopwatch. 301,014, 5-9-89, Cl. D10-30.000.

Houlihan, John T., to Timex Corporation. Clock with pivotable stand. 301,309, 5-30-89, Cl. D10-15.000.

Houlihan, John T., to Timex Corporation. Digital travel alarm and table clock. 301,839, 6-27-89, Cl. D10-15.000.

Houlihan, John T., to Timex Corporation. Speed computing wristwatch. 301,840, 6-27-89, Cl. D10-30.000.

Houlihan, John T., to Timex Corporation. Sports watch. 302,391, 7-25-89, Cl. D10-32.000.

Houlihan, John T., to Timex Corporation. Ergonomic digital wristwatch. 303,093, 8-29-89, Cl. D10-38.000.

Houser, Franklin C. Fluid holding tank. 304,756, 11-21-89, Cl. D23-205.000.

Hovey, Leigh K. Moated pet feeder. 303,169, 8-29-89, Cl. D30-130.000.

Hovey, William G. Ear cuff. 300,413, 3-28-89, Cl. D11-42.000.

Howard A. Kenyon: *See—*
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Howard, James; and Landsberger, Lue, to Maddak, Inc. Spoon for use by the handicapped. 304,540, 11-14-89, Cl. D7-137.000.

Howard, William H.; and Kincaid, Patrick W., to Creative Curb, Inc. Machine for forming concrete. 300,636, 4-11-89, Cl. D15-10.000.

Howell, Edmund O.: *See—*
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Howze, Joseph K. Exercise bench. 299,501, 1-24-89, Cl. D21-191.000.

Hoyle, Walter W., to Carrier Corporation. Room air conditioner front enclosure. 300,459, 3-28-89, Cl. D23-354.000.

Hoyle, Walter W., to Carrier Corporation. Front panel for a room air conditioner. 303,142, 8-29-89, Cl. D23-354.000.

Hoyle, Walter W., to Carrier Corporation. Front panel for a room air conditioner. 303,143, 8-29-89, Cl. D23-354.000.

Hoyt, Andrea. Bicycle rack. 302,805, 8-15-89, Cl. D12-115.000.

Hoyt, Earl, to Airwick Industries, Inc. Scouring pad. 300,478, 3-28-89, Cl. D32-40.000.

Hoyt, Earl E., to American Home Food Products, Inc. Popcorn package. 303,215, 9-5-89, Cl. D9-414.000.

Hsei, Paul K., to Smithkline Diagnostics. Reagent solution reservoir. 299,751, 2-7-89, Cl. D24-58.000.

Hsiao, Howell; and Pfeifer, Herbert, to Sun Microsystems, Inc. Cursor control. 303,662, 9-26-89, Cl. D14-114.000.

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Hsin, Hsi-Wei. Combined sun visor and eye shield. 299,767, 2-7-89, Cl. D29-18.000.

Hsu, Shin Rong. Vacuum flask. 301,296, 5-30-89, Cl. D7-317.000.

Huang, Cheng-Chwen, to Shenjey Industrial Co., Ltd. Precision lathe. 301,717, 6-20-89, Cl. D15-130.000.

Huang, Chuan-Hai. Single wheel skate or similar article. 302,45 7-25-89, Cl. D21-226.000.

Huang, Frank T. S. Vacuum jug. 299,901, 2-21-89, Cl. D7-317.000.

Huang, Frank T. S. Vacuum jug. 299,902, 2-21-89, Cl. D7-317.000.

Huang, Jung-Hua. Hook with rotatable handle. 301,962, 7-4-89, Cl. D8-14.000.

Huang, Pin-Yan. Toy musical instrument. 300,232, 3-14-89, Cl. D2 64.000.

Huang, Ta Y. Detachable spool. 303,176, 9-5-89, Cl. D3-24.000.

Huang, Yen-Chin, to Tong Nan Optical Enterprise Co., Ltd. Eyeglasses. 302,168, 7-11-89, Cl. D16-113.000.

Huber, Greg R.; and Pavlov, Richard J. Combined black powder cap dispenser and holder. 303,420, 9-12-89, Cl. D22-116.000.

Huber, Lothar, to Luk Lamellen und Kupplungsbau GmbH. Cover su of a friction clutch. 302,822, 8-15-89, Cl. D15-148.000.

Huber, Lothar, to Luk Lamellen und Kupplungsbau GmbH. Cover su of a friction clutch. 302,823, 8-15-89, Cl. D15-148.000.

Huber, Richard M.: *See—*
  Fennell, Robert D.; Huber, Richard M.; Lloyd, Robert D.; and Scheid, William J., 303,799, Cl. D14-191.000.

Huckenbeck, Claus O., to Bausch & Lomb Incorporated. Spotting telescope. 300,038, 2-28-89, Cl. D16-132.000.

Huckenbeck, Claus O., to Bausch & Lomb Incorporated. Spotting telescope. 300,039, 2-28-89, Cl. D16-132.000.

Huddleston, James T. Fish lure. 301,274, 5-23-89, Cl. D22-128.000.

Huff, Marvin E., to Novalek, Inc. Combined liquid dispensing cap and tube. 302,388, 7-25-89, Cl. D9-447.000.

Huffman, Ronald E., to KV33 Corporation. Striated molded quadrant base dental cast. 302,456, 7-25-89, Cl. D24-16.000.

Huffman, Ronald E., to KV33 Corporation. Striated mold for a quadrant base dental cast. 302,587, 8-1-89, Cl. D24-16.000.

Huffman, Ronald E., to KV33 Corporation. Striated mold for a full base dental cast. 302,724, 8-8-89, Cl. D24-16.000.

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  Barchek, Douglas A.; and Pieramico, Martin A., 300,912, Cl. D12-117.000.
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Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., to Manville Corporation. Fluorescent lighting fixture. 300,951, 5-2-89, Cl. D26-78.000.

Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., to Manville Corporation. Fluorescent lighting fixture. 300,952, 5-2-89, Cl. D26-78.000.

Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., to Manville Corporation. Fluorescent lighting fixture. 300,953, 5-2-89, Cl. D26-78.000.

Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., to Manville Corporation. Fluorescent lighting fixture. 301,278, 5-23-89, Cl. D26-78.000.

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  Ewing, Robert L.; Fouke, Herbert A.; Hughes, James S.; and Bruggeman, Bruce G., 303,434, Cl. D26-67.000.

Hughes, Richard E. Shut-off valve for specialty gases. 304,070, 10-17-89, Cl. D23-245.000.

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Hughes, Steven W.; and Brennan, Paul L., to British Telecommunications public limited company. Telephone handset. 299,649, 1-31-89, Cl. D14-248.000.

Hughes, Thomas E. Road hazard warning sign. 305,213, 12-26-89, Cl. D10-109.000.

Hugill, Kelli. Ice blade fishing lure. 302,841, 8-15-89, Cl. D22-129.000.

Hui, John: *See—*
  Matsuda, Hari; and Hui, John, 299,591, Cl. D10-104.000.

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Hultmark, Eric B.: *See—*
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Hume, Anthony: *See—*
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Humphrey, Kyle J. Deck railing. 305,066, 12-12-89, Cl. D25-38.000.

Hundt, Gary W.: *See—*
  Granberg, William J.; Wagner, Richard A.; and Hundt, Gary W., 305,259, Cl. D23-205.000.

Hung, Chuan Ming: *See—*
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Hunsdale, James; and Lee, Michael G., to SpaceLabs, Inc. Medical monitor. 299,861, 2-14-89, Cl. D24-17.000.

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Hunt, Simon S.: *See—*
  Lee, Martin L.; and Hunt, Simon S., 302,322, Cl. D26-46.000.

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Hunter, Paul H. Fly catcher. 301,364, 5-30-89, Cl. D22-122.000.

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Hurrelbrink, Harold K., to Magnuson Group. Coat hanger rack. 304,545, 11-14-89, Cl. D8-373.000.

Hurst, Charles W.; and Moss, Gates M., to Procter & Gamble Company, The. Container cap. 304,303, 10-31-89, Cl. D9-433.000.

Husain, Abbas M. Nail clipper. 301,639, 6-13-89, Cl. D28-60.000.

Huskey, Glenn R. Combined valve and clamped cable operator. 299,738, 2-7-89, Cl. D23-245.000.

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Hutchins, Gary E. Plant hanger. 300,792, 4-25-89, Cl. D6-514.000.

Hutchison, V. James, to T-Plastech Corporation. Display hook for pegboard or the like. 300,003, 2-28-89, Cl. D8-367.000.

Hutton, Randall F. Self protection hand weapon. 303,134, 8-29-89, Cl. D22-117.000.

Hutton, Robert A. Gripping band for pliers. 304,667, 11-21-89, Cl. D8-18.000.

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Hwang, Shih-Ming. File organizer. 299,657, 1-31-89, Cl. D19-90.000.

Hysek, Jorg, to Jean Lassale S.A. Wrist watch. 301,986, 7-4-89, Cl. D10-32.000.

Hysek, Jorg. Wrist watch. 303,504, 9-19-89, Cl. D10-32.000.

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Iacovelli, Marc R.; Chart, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Flip up modular compass for automobile control panels. 299,438, 1-17-89, Cl. D10-68.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Combined clock, thermometer and compass module. 300,304, 3-21-89, Cl. D10-2.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Combined battery powered light and universal spring action clip. 301,753, 6-20-89, Cl. D26-60.000.

Iacovelli, Marc R.; Charet, Pierre; and Kraai, Duke, to Rally Manufacturing, Inc. Combined license plate frame and display unit. 301,863, 6-27-89, Cl. D12-193.000.

Iacovelli, Marc R., to Rally Accessories, Inc. Thermometer. 303,222, 9-5-89, Cl. D10-57.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Combined digital clock and compass for vehicles. 303,933, 10-10-89, Cl. D10-2.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Combined digital clock, thermometer and compass for vehicles. 303,934, 10-10-89, Cl. D10-2.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Combined thermometer and compass for vehicles. 303,938, 10-10-89, Cl. D10-53.000.

Iacovelli, Marc R., to Rally Accessories, Inc. Roll top coin holder for an automobile dash. 304,124, 10-17-89, Cl. D99-34.000.

Iacovelli, Marc R., to Rally Manufacturing, Inc. Quartz digital clock with pull out bracket and universal mount. 304,807, 11-28-89, Cl. D10-15.000.

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Ianni, Rosemarie. Wall mounted support for hair care appliances. 300,704, 4-18-89, Cl. D6-553.000.

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  Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, 305,088, Cl. D7-351.000.
  Kubo, Masayoshi; Mizuma, Kensuke; Kido, Katsutoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 302,227, Cl. D7-351.000.
  Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, 304,150, Cl. D7-351.000.
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Ichikawa, Tadashi. Underwear for men. 305,075, 12-19-89, Cl. D2-11.000.

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Igarashi, Yasuo, to Sumitomo Rubber Industries, Ltd. Automobile tire. 301,859, 6-27-89, Cl. D12-151.000.
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- Ishizawa, Takayuki, to Takara Co., Ltd. Reconfigurable toy jet-plane. 302,449, 7-25-89, Cl. D21-150.000.
- Ishizawa, Takayuki, to Takara Co., Ltd. Reconfigurable double headed figure toy. 305,050, 12-12-89, Cl. D21-149.000.
- Ishizawa, Takayuki, to Takara Co., Ltd. Reconfigurable toy insect. 305,054, 12-12-89, Cl. D21-185.000.
- Ishizawa, Takayuki, to Takara Co., Ltd. Reconfigurable toy tiger. 305,255, 12-26-89, Cl. D21-163.000.
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- Itac Systems, Inc.: *See—*
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- Iten, Clemens A., to American Safety Razor Company. Utility blade dispenser or similar article. 303,082, 8-29-89, Cl. D9-340.000.
- Iten, Clemens A., to American Safety Razor Company. Razor blade scraper holder or similar article. 303,860, 10-3-89, Cl. D32-48.000.
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- Ito, Kentaro; and Hattori, Naoki, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,632, 1-31-89, Cl. D12-110.000.
- Ito, Mamoru; and Nakamura, Fujio, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 300,523, 4-4-89, Cl. D12-110.000.
- Ito, Masafumi; and Sugiyama, Yasunori, to Asics Corporation. Cushioning piece for a shoe sole. 300,084, 3-7-89, Cl. D2-318.000.
- Ito, Masafumi; and Sugiyama, Yasunori, to Asics Corporation. Cushioning piece for a shoe sole. 300,085, 3-7-89, Cl. D2-318.000.
- Ito, Masafumi; Hasegawa, Sigeru; Takita, Haruki; and Sube, Minoru, to TEAC Corporation. Combined compact disc player and tape recorder. 304,829, 11-28-89, Cl. D14-135.000.
- Ito, Masafumi; Hasegawa, Sigeru; Takita, Haruki; and Sube, Minoru, to TEAC Corporation. Compact disc player. 304,941, 12-5-89, Cl. D14-156.000.
- Itoh, Kazuo; Isaji, Yasuyo; Hirose, Noboru; and Nozu, Takashi, to Brother Kogyo Kabushiki Kaisha. Drilling, tapping and milling machine. 302,163, 7-11-89, Cl. D15-122.000.
- Itoh, Kazuo; Isaji, Yasuyo; Hirose, Noboru; and Nozu, Takashi, to Brother Kogyo Kabushiki Kaisha. Drilling, tapping and milling machine. 302,164, 7-11-89, Cl. D15-122.000.
- Itoh, Kazuo; Isaji, Yasuyo; and Shimomura, Masao, to Brother Kogyo Kabushiki Kaisha. Machine for cutting workpieces utilizing electric discharge. 302,165, 7-11-89, Cl. D15-127.000.
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- Iwahashi, Wataru, to Sharp Corporation. Microwave oven. 300,106, 3-7-89, Cl. D7-351.000.
- Iwahashi, Wataru, to Sharp Kabushiki Kaisha. Microwave oven. 303,907, 10-10-89, Cl. D7-351.000.
- Iwai, Yonosuke; and Yonesawa, Kazuyoshi, to Matsushita Electric Works, Ltd. Electric shaver. 302,740, 8-8-89, Cl. D28-49.000.
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- Iwakura, Masato; Nakayama, Kooichi; and Ozawa, Eiji, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,710, 2-7-89, Cl. D12-110.000.
- Iwama, Shin-ichi, to Daiwa Seiko, Inc. Ski boot. 304,386, 11-7-89, Cl. D2-276.000.
- Iwasaki, Hiroyoshi; and Nakayama, Yasuhiko, to Chinon Kabushiki Kaisha. Image information reading machine for electronic computer. 302,683, 8-8-89, Cl. D14-107.000.
- Iwasaki, Osamu, to Hakuba Shashin Sangyo Kabushiki Kaisha. Camera tripod. 299,243, 1-3-89, Cl. D16-244.000.
- Iwasawa, Kiyoshi: *See—*
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- Iwashita, Masanori, to Hosiden Electronics Co., Ltd. Electrical connector. 305,224, 12-26-89, Cl. D13-24.000.
- Iwata, Satoru, to HAL Laboratory Inc. Track ball. 301,256, 5-23-89, Cl. D21-48.000.
- Iwatsu Electric Co., Ltd.: *See—*
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- Izumisawa, Osamu. Portable pneumatic tool. 300,313, 3-21-89, Cl. D8-68.000.
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- Jabbusch, Lynn S., to Advanced Cardiovascular Systems, Inc. Injector for introducing contrast agents into blood vessels. 303,010, 8-22-89, Cl. D24-24.000.
- Jablonski, Vincent. Musical string instrument mute. 301,892, 6-27-89, Cl. D17-20.000.
- Jachimowicz, Dan A.: *See—*
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- Jachmann, Emil F.; and Weisz, Sandor F., to Dictaphone Corporation. Cassette recorder. 302,275, 7-18-89, Cl. D14-164.000.
- Jackson, Kenneth R.: *See—*
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- Jackson, Richard A. Belt mounted clip board holder. 304,132, 10-24-89, Cl. D3-100.000.
- Jackson, Victor L., to Ecosystems, Inc. Finger mountable calculator button pusher. 301,963, 7-4-89, Cl. D8-14.000.

- Jackson, Victor L., to Ecosystems, Inc. Calculator button pusher. 305,199, 12-26-89, Cl. D8-14.000.
- Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., to American Telephone and Telegraph Company; and AT&T Information Systems Inc. Telephone stand. 301,143, 5-16-89, Cl. D14-142.000.
- Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., to American Telephone and Telegraph Company; and AT&T Information Systems Inc. Telephone stand. 301,144, 5-16-89, Cl. D14-142.000.
- Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., to American Telephone and Telegraph Company; and AT&T Information Systems. Telephone handset. 301,146, 5-16-89, Cl. D14-248.000.
- Jacober, Jeffrey M. Combined insulated container and collapsible grill. 299,406, 1-17-89, Cl. D7-332.000.
- Jacobs, Andre; May, Richard; Vandebroek, Marcel; and Sporen, Frieda, to Procter & Gamble Company, The. Bottle. 300,005, 2-28-89, Cl. D9-370.000.
- Jacobs, Jan; and de Boer, Peter. Cabinet. 301,526, 6-13-89, Cl. D6-433.000.
- Jacobs, Jan; and de Boer, Peter. Cabinet. 301,527, 6-13-89, Cl. D6-433.000.
- Jacobs, Melissa N. Arthritic toothbrush. 299,386, 1-17-89, Cl. D4-104.000.
- Jacobs, Rexy. Sports shoe. 303,869, 10-10-89, Cl. D2-310.000.
- Jacobs, William J. B. Hanger unit for cable or similar articles. 303,493, 9-19-89, Cl. D8-372.000.
- Jacobsen, Erik: *See—*
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- Jacobson, Alvin M. Oil filter wrench. 300,110, 3-7-89, Cl. D8-21.000.
- Jacuzzi Inc.: *See—*
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  - Jacuzzi, Roy A.; Pauls, James R.; and D'Innocente, Ralph, 305,062, Cl. D24-38.000.
- Jacuzzi, Remo, to Jason International, Inc. Whirlpool bath and the like. 300,360, 3-21-89, Cl. D24-38.000.
- Jacuzzi, Roy A.; Pauls, James R.; and D'Innocente, Ralph, to Jacuzzi Inc. Whirlpool bath tub. 305,062, 12-12-89, Cl. D24-38.000.
- Jacuzzi, Roy A.; D'Innocente, Ralph; and Pruscha, Peter K., to Jacuzzi Whirlpool Bath. Whirlpool bath tub. 305,063, 12-12-89, Cl. D24-38.000.
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  - Jacuzzi, Roy A.; D'Innocente, Ralph; and Pruscha, Peter K., 305,063, Cl. D24-38.000.
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- Jaderberg, Eva: *See—*
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  - Jans, Franz W., 302,516, Cl. D8-308.000.
- Jaffe, Walter, to Fleximark AB. Identification marker unit for cables. 302,833, 8-15-89, Cl. D20-43.000.
- Jagger, Vivienne D., to Little People Limited. Toothbrush. 300,990, 5-8-89, Cl. D4-104.000.
- James, Betty, to Flexi-Mat Corporation. Pet bed. 299,769, 2-7-89, Cl. D30-119.000.
- James, Carol. Baby bottle support. 299,535, 1-24-89, Cl. D24-48.000.
- James, Eugene F. Fishing lure. 299,263, 1-3-89, Cl. D22-133.000.
- Jameyfield, Dennis A., to Ford Motor Company. Wheel cover. 303,241, 9-5-89, Cl. D12-206.000.
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  - Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., 301,143, Cl. D14-142.000.
  - Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., 301,144, Cl. D14-142.000.
  - Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., 301,146, Cl. D14-248.000.
- Jang, Fu-Chen. Buckle. 303,233, 9-5-89, Cl. D11-216.000.
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  - Kuroki, Nobufusa; and Sato, Shigeru, 301,888, Cl. D15-69.000.
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- Jans, Franz W., to Jado Bathroom and Hardware Manufacturing Corp. Cabinet handle. 301,200, 5-23-89, Cl. D8-305.000.
- Jans, Franz W., to Armaturen & Presswerk GmbH. Wall-mounted faucet. 301,605, 6-13-89, Cl. D23-255.000.
- Jans, Franz W., to Armaturen & Presswerk GmbH. Knob. 301,681, 6-20-89, Cl. D8-312.000.
- Jans, Franz W., to Jado Bathroom and Hardware Manufacturing Corp. Handle. 302,516, 8-1-89, Cl. D8-308.000.
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- Jarman, Davis R.; and Hinson, Virgil H. Box clamp for automobile body straightening unit. 300,748, 4-18-89, Cl. 15-199.000.
- Jaros, Philip; and Wright, Paul O., to White Mop Wringer Company. Mop wringer. 305,170, 12-19-89, Cl. D32-54.000.
- Jar[illegible], Bud. Soft drink container. 304,686, 11-21-89, Cl. D9-368.000.
- Jason International, Inc.: *See—*
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  - Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 302,777, Cl. D7-104.000.
  - Hiscott, William D.; Witlin, Ina; Hasler, Theodore J.; and Jastrzebski, Andrew T., 303,058, Cl. D7-99.000.
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- Jebb, Richard P. Trash funnel. 304,872, 11-28-89, Cl. D34-1.000.
- Jefferson, Robert W. Gameboard. 305,040, 12-12-89, Cl. D21-22.000.
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- Jenkins, David C., to Steelcase Inc. Chair. 300,483, 4-4-89, Cl. D6-366.000.
- Jenkins, David C., to Steelcase Inc. Chair. 302,769, 8-15-89, Cl. D6-366.000.
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- Jenne, James F., to Wenger Corporation. Band shell. 304,083, 10-17-89, Cl. D25-58.000.
- Jennings, Mark F.; Woodhall, Michael B.; and Gander, Terence W., to Mars G.B. Limited. Beverage dispensing machine. 303,060, 8-29-89, Cl. D7-309.000.
- Jennings, Michael W., to Armstrong World Industries, Inc. Ceiling tile. 299,870, 2-14-89, Cl. D25-157.000.
- Jennings, Michael W., to Armstrong World Industries, Inc. Ceiling tile. 299,871, 2-14-89, Cl. D25-157.000.
- Jennings, Michael W., to Armstrong World Industries, Inc. Ceiling tile. 299,872, 2-14-89, Cl. D25-157.000.
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- Jennings, Thomas P.; and Simonds, Gary L., to Kidde Recreation Products, Inc. Bow handle. 300,762, 4-18-89, Cl. D22-107.000.
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- Jimenez, Suzann, to L. A. Gear, Inc. For shoe upper. 300,181, 3-14-89, Cl. D2-314.000.
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- JMK International, Inc.: *See—*
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- Joffe, Richard M.: *See—*
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Johansson, Borje. Barbecue spit. 304,539, 11-14-89, Cl. D7-102.000.
Johansson, Gert E. Mold for concrete beams or the like. 299,242, 1-3-89, Cl. D15-136.000.
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Johnson, Debrah E. Permanent wave hair curler. 300,674, 4-11-89, Cl. D28-35.000.
Johnson, Duncan G. Nasal breathing piece. 300,962, 5-2-89, Cl. D29-7.000.
Johnson, Eloise A. K.; Johnson, James W.; and Johnson, Robert E. Golf course marker. 304,749, 11-21-89, Cl. D21-234.000.
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Johnson, Glenn L. Combined golfer's green repairer, shoehorn, cleat tightener and cleaner, and golf club and cigarette rest. 300,160, 3-7-89, Cl. D21-234.000.
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Johnson, Van K. Audio video component dust cover. 304,271, 10-31-89, Cl. D6-470.000.
Johnston, Harold. Gemstone. 304,698, 11-21-89, Cl. D11-90.000.
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Johnston, Thomas J. Combined purse and radio. 302,766, 8-15-89, Cl. D3-43.000.
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Jonah, Joanne M., to Keds Corporation, The. Shoe upper. 301,935, 7-4-89, Cl. D2-309.000.
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Jones, Arthur W., to Lancer Pacific. Orthodontic bracket. 302,588, 8-1-89, Cl. D24-16.000.
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Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., to Cineonix, Inc. Tripod. 299,244, 1-3-89, Cl. D16-244.000.
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Jonker, Jens J., to Vredestein Incopro B.V. Floor mat or similar article. 301,529, 6-13-89, Cl. D6-583.000.
Jonker, Jens J., to Vredestein Icopro B.V. Floor mat or similar article. 301,530, 6-13-89, Cl. D6-585.000.
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Kamaya, Masashi, to PIAA Corporation. Automotive roof carrier. 300,814, 4-25-89, Cl. D12-157.000.
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- Kamikawa, Hiromi, to Tungtzu Industrial Co., Ltd. Toy trackway. 302,032, 7-4-89, Cl. D21-143.000.
- Kaminski, Stephen H., to Samsonite Furniture Co. Chair seat unit. 303,597, 9-26-89, Cl. D6-502.000.
- Kamisada, Koji, to Nihon Kaiheiki Kogyo Kabushiki Kaisha. Toggle switch. 299,642, 1-31-89, Cl. D13-37.000.
- Kamlukin, Igor; Brackin, John F.; and Freier, Edward, Jr., to Simplicity Manufacturing, Inc. Self-propelled riding tractor. 303,804, 10-3-89, Cl. D15-23.000.
- Kamstrup-Larsen, Jorgen; and Morris, Michael, to Coloplast A/S. Applicator emballage for an external catheter for use in male urinary incontinence equipment. 299,865, 2-14-89, Cl. D24-54.000.
- Kanagaroo Golf Ltd.: *See—*
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- Kanazawa, Kengo; Tako, Kenji; and Asakawa, Takahiro, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 305,009, 12-12-89, Cl. D12-110.000.
- Kanda Tsushin Kogyo Co., Ltd.: *See—*
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- Kandel, Frederick S., to Majestic Tool Corporation. Handle for a hammer or the like. 302,515, 8-1-89, Cl. D8-81.000.
- Kandel, Frederick S., to Majestic Tool Corp. Handle for a screwdriver. 303,920, 10-10-89, Cl. D8-83.000.
- Kando, Masahiro; and Nishio, Tomonori, to Canon Kabushiki Kaisha. Facsimile. 300,136, 3-7-89, Cl. D14-118.000.
- Kando, Masahiro, to Canon Kabushiki Kaisha. Facsimile. 300,137, 3-7-89, Cl. D14-118.000.
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- Kao, Aqee, to Hung Mei Brush Co., Ltd. Water injecting gun or similar article. 302,848, 8-15-89, Cl. D23-226.000.
- Kao, George; and Chen, Feng-Chih, to Cal-Comp Electronics Inc. Monitor or similar article. 302,813, 8-15-89, Cl. D14-113.000.
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- Kaplan, Audrey G.; and Mill, Peter A. D., to Canadian Patents and Development Limited/Societe Canadienne des Brevets et d'Exploitation Limitee. Foldable workstation. 300,486, 4-4-89, Cl. D6-430.000.
- Kaplan, Myril. Jewelry presentation case. 303,765, 10-3-89, Cl. D9-423.000.
- Kapp, Joseph P.: *See—*
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- Kasagi, Taro; Tamada, Kenji; and Nagashima, Yoshimitsu, to Silver Seiko Limited. Typewriter. 299,249, 1-3-89, Cl. D18-1.000.
- Kasanda, Thomas J., to Keepsakes Time Capsules, Inc. Packaging container. 299,315, 1-10-89, Cl. D9-398.000.
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- Katada, Yoshie, to Canon Kabushiki Kaisha. Original feeder for a copying machine. 303,547, 9-19-89, Cl. D18-42.000.
- Katai, Dwaine S.; Reeve, Brian G.; Ferguson, Charles E.; Thomas, Carl W.; and McDougall, Gary L., to Amdahl Corporation. Main frame computer. 300,031, 2-28-89, Cl. D14-102.000.
- Kataoka, Seiji, to Sanyo Electric Co., Ltd. Digital audio compact disk player. 304,942, 12-5-89, Cl. D14-156.000.
- Katayama, Yutaka, to Aruman Kabushiki Kaisha. Pipe. 304,625, 11-14-89, Cl. D27-163.000.
- Katayama, Yutaka, to Aruman Kabushiki Kaisha. Pipe. 304,771, 11-21-89, Cl. D27-163.000.
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- Kates, Fred W.; and Yeranossian, Karl, to Revlon, Inc. Combined display and dispenser rack. 303,880, 10-10-89, Cl. D6-408.000.
- Kato, Masayuki, to Sumitomo Rubber Industries, Ltd. Automobile tire. 301,856, 6-27-89, Cl. D12-147.000.
- Kato, Masayuki, to Sumitomo Rubber Industries, Ltd. Automobile tire. 302,261, 7-18-89, Cl. D12-151.000.
- Kato, Minako, to Tomy Kogyo Co., Inc. Activity toy. 302,187, 7-11-89, Cl. D21-59.000.
- Kato, Shigemasa; and Takada, Sanae, to Tokyo Juki Industrial Co., Ltd. Printer. 301,152, 5-16-89, Cl. D13-18.000.
- Kato, Shigemasa; and Takada, Sanae, to Tokyo Juki Industrial Co., Ltd. Printer. 301,485, 6-6-89, Cl. D18-13.000.
- Kato, Shuzo; and Ishikawa, Masao, to NCR Corporation. Cash register or similar article. 302,021, 7-4-89, Cl. D18-4.000.
- Kato, Shuzo; and Ishikawa, Masao, to NCR Corporation. Cash register or similar article. 302,022, 7-4-89, Cl. D18-4.000.
- Kato, Shuzo; and Nemoto, Asami, to NCR Corporation. Cash register or similar article. 302,826, 8-15-89, Cl. D18-4.000.
- Kato, Shuzo; and Watanabe, Noboru, to NRC Corporation. Cash register or similar article. 303,537, 9-19-89, Cl. D18-4.000.
- Kato, Shuzo; Sakama, Satoru; and Nemoto, Asami, to NCR Corporation. Cash register or similar article. 303,538, 9-19-89, Cl. D18-4.000.
- Kato, Shuzo; Nakamura, Yasushi; and Takeda, Junnosuke, to NCR Corporation. Flat panel display with keyboard or similar article. 303,790, 10-3-89, Cl. D14-106.000.
- Kato, Shuzo; Nakamura, Yasushi; and Kusayanagi, Masao, to NCR Corporation. Cash register or similar article. 303,806, 10-3-89, Cl. D18-4.000.
- Kato, Shuzo; Sakama, Satoru; and Takahashi, Tamihei, to NCR Corporation. Receipt-journal printer or similar article. 303,979, 10-10-89, Cl. D18-13.000.
- Kato, Shuzo; and Watanabe, Shingo, to NCR Corporation. Slip printer or similar article. 303,983, 10-10-89, Cl. D18-13.000.
- Kato, Shuzo; and Takahashi, Tamihei, to NCR Corporation. Receipt/-slip printer or similar article. 303,986, 10-10-89, Cl. D18-13.000.
- Kato, Shuzo; Nakamura, Yasushi; and Kusayanagi, Masao, to NCR Corporation. Receipt/journal printer or similar article. 303,987, 10-10-89, Cl. D18-13.000.
- Kato, Shuzo; Sakama, Satoru; and Takahashi, Tamihei, to NCR Corporation. Slip printer or similar article. 304,203, 10-24-89, Cl. D18-13.000.
- Kato, Takaharu, to Ricoh Company, Ltd. Electronic flash unit or similar article. 303,266, 9-5-89, Cl. D16-239.000.
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- Kaufman, David T., Jr., to Lesco Design & Manufacturing Company, Inc. Bottle storage rack. 305,187, 12-26-89, Cl. D6-465.000.
- Kaufman, Larry J. Ski case. 302,902, 8-22-89, Cl. D3-36.000.
- Kautt, Jean-Jacques, to Ferco International. Lock with digital control. 302,935, 8-22-89, Cl. D8-330.000.
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- Kawaguchi, Yoshi. Shoulder bag strap. 304,882, 12-5-89, Cl. D3-54.000.
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- Kawaishi, Masayoshi, to Sharp Corporation. Microwave oven. 301,109, 5-16-89, Cl. D7-351.000.
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  - Sakaguchi, Hiroshi; and Kawamura, Masaki, 304,175, Cl. D14-100.000.
  - Sakaguchi, Hiroshi; and Kawamura, Masaki, 304,718, Cl. D14-100.000.
  - Yubisui, Takahisa; Sakaguchi, Hiroshi; and Kawamura, Masaki, 299,700, Cl. D10-57.000.
  - Yubisui, Takahisa; Sakaguchi, Hiroshi; and Kawamura, Masaki, 303,678, Cl. D18-7.000.
- Kawana, Yusuke, to Sugiyasu Industries Co., Ltd. Hand-operated lift truck. 302,895, 8-15-89, Cl. D34-31.000.
- Kawana, Yusuke, to Sugiyasu Industries Co., Ltd. Hand-operated lift truck. 302,896, 8-15-89, Cl. D34-31.000.
- Kawasaki, Kazuo, to Ex-Design Corporation. Scissors. 305,201, 12-26-89, Cl. D8-57.000.
- Kawashima, Nobumasa, to Kubota, Ltd. Rotary blade for tiller. 300,141, 3-7-89, Cl. D15-11.000.
- Kawata, Yoshiaki; Nishiyori, Hiroaki; Akita, Tsugio; Fujii, Mitsunari; and Yasuno, Hiroshi, to Matsushita Electric Industrial Co., Ltd. Television receiver. 303,257, 9-5-89, Cl. D14-126.000.
- Kawata, Yoshiaki: *See—*
  - Makino, Katsuhiko; Akita, Tsugio; Fujii, Mitsunari; Nishiyori, Hiroaki; Uematsu, Toyoyuki; Kawata, Yoshiaki; and Yasuno, Hiroshi, 300,633, Cl. D14-131.000.
- Kawauchi, Yasunori: *See—*
  - Sube, Tadashi; Kitashima, Tadashi; and Kawauchi, Yasunori, 300,431, Cl. D14-138.000.
- Kay, Dennis M. Urinary drainage cannister. 300,855, 4-25-89, Cl. D24-54.000.
- Kay, Robert; and Broadbent, Peter A., to Hestair Kiddicraft Limited. Cradle rattle. 299,728, 2-7-89, Cl. D21-64.000.
- Kayak Manufacturing Corp.: *See—*
  - Eckert, Ross J.; and Commisso, Domenico, 300,247, Cl. D25-2.000.
- Kayamura, Naoji: *See—*
  - Kayamura, Yoshikazu, 304,786, Cl. D4-104.000.
- Kayamura, Yoshikazu, to Kayamura, Naoji. Tooth brush. 304,786, 11-28-89, Cl. D4-104.000.
- Kazmierski, Mary J. Swirl pin. 301,434, 6-6-89, Cl. D11-206.000.
- Kazunori, Mano: *See—*
  - Yoshiaki, Ueda; and Kazunori, Mano, 303,903, Cl. D7-309.000.
- Keck, Henry C.; and Fujitaki, Roy K., to Bobrick Washroom Equipment, Inc. Wall mounted recessed dryer. 302,871, 8-15-89, Cl. D28-54.100.
- Keds Corporation, The: *See—*
  - Jonah, Joanne M., 301,798, Cl. D2-309.000.
  - Jonah, Joanne M., 301,935, Cl. D2-309.000.
- Keene Corporation: *See—*
  - Russello, Thomas; and Sangiamo, Richard, 300,669, Cl. D26-63.000.
  - Russello, Thomas; and Sangiamo, Richard, 300,872, Cl. D26-63.000.
- Keepsakes Time Capsules, Inc.: *See—*
  - Kasanda, Thomas J., 299,315, Cl. D9-398.000.
- Keithan, Kristine A., to Hind-Wells, Inc. Support top. 300,382, 3-28-89, Cl. D2-24.000.
- Kelemen, Kelemen C. Bee hive carrier. 299,566, 1-24-89, Cl. D30-109.000.
- Keller, Fred, Jr. Building block. 300,862, 4-25-89, Cl. D24-113.000.
- Keller, H. Thomas, to Rosalco, Inc. Vanity table. 302,217, 7-18-89, Cl. D6-397.000.
- Keller, H. Thomas; and Averett, Angela G., to Rosalco, Inc. Jewelry organizer. 303,319, 9-12-89, Cl. D3-39.000.
- Keller, H. Thomas; and Averett, Angela G., to Rosalco, Inc. Vanity table with storage top. 303,593, 9-26-89, Cl. D6-444.000.
- Keller, H. Thomas; and Averett, Angela G., to Rosalco, Inc. Vanity table. 303,594, 9-26-89, Cl. D6-444.000.
- Keller, Jeff; and Linton, Robert, to Edmonds Medical Systems, Inc. Combined underwater treadmill and station therefor. 304,222, 10-24-89, Cl. D21-192.000.
- Keller, Steven F. Animal feeding bowl. 303,441, 9-12-89, Cl. D30-129.000.
- Keller, Steven F. Animal feeding bowl. 303,853, 10-3-89, Cl. D30-129.000.
- Kellerman, Charles L.: *See—*
  - Muller, Peter J.; Kellerman, Charles L.; and Sirhall, James E., 305,154, Cl. D25-58.000.
- Kelley, Brenda, to AVIA Group International, Inc. Shoe sole. 299,788, 2-14-89, Cl. D2-320.000.
- Kelley, Brenda, to Pensa, Inc. Shoe insole. 300,687, 4-18-89, Cl. D2-318.000.
- Kelley, Brenda C.; and McCrea, Mona, to Avia Group International, Inc. Shoe sole. 303,039, 8-29-89, Cl. D2-320.000.
- Kelley, David A.; Corkins, Delbert J.; and Hileman, Robert S., to Progressive Dynamics, Inc. Door operated convenience light for storage areas. 304,088, 10-17-89, Cl. D26-24.000.
- Kelley, James O., to Herman Miller, Inc. Tile insert for a wall. 299,758, 2-7-89, Cl. D25-58.000.
- Kelley, James O.; and Castelli Clino T., to Herman Miller, Inc. Table. 300,396, 3-28-89, Cl. D6-489.000.
- Kelley, James P.: *See—*
  - Dobson, Michael J.; Kelley, James P.; and Wilcutt, Michael E., 304,106, Cl. D32-40.000.
- Kelley, Ted F., Jr.: *See—*
  - Alfonso, Pedro M.; Dusi, Samuel T.; Foy, Hunter T.; Kelley, Ted F., Jr.; and Sapper, Richard F., 302,152, Cl. D14-113.000.
- Kelling, Gordon L., to Budd Company, The. Magnetic preheater for vehicle engines or the like. 302,461, 7-25-89, Cl. D23-332.000.
- Kellogg, Arthur S. Display rack. 300,794, 4-25-89, Cl. D6-570.000.
- Kellogg, Arthur S. Display rack. 300,795, 4-25-89, Cl. D6-571.000.
- Kellogg, Arthur S. Display rack. 300,894, 5-2-89, Cl. D6-570.000.
- Kelly, Lawrence J., to Random Corporation. Display terminal. 302,269, 7-18-89, Cl. D14-113.000.
- Kelly, Lois E.: *See—*
  - Williams, D. Michael; Kelly, Lois E.; Schweitzer, David W.; Piszko, John; and Lopac, George, 299,935, Cl. D21-63.000.
  - Williams, D. Michael; Kelly, Lois E.; Schweitzer, David W.; Piszko, John; and Lopac, George, 299,936, Cl. D21-63.000.
- Kelly, Ray G., to Angeles Nursery Toys, Inc. Tricycle. 304,813, 11-28-89, Cl. D12-113.000.
- Kelly, Roger L.; and Hedrington, James A., to National Presto Industries, Inc. Combined food slicer and shredder. 300,400, 3-28-89, Cl. D7-381.000.
- Kelly, Thomas J.; Kowalik, John, Jr.; Miggels, Stephen G.; and Varadarajan, Gopalakrishnan, to American Telephone and Telegraph Company; and AT&T Information Systems Inc. Computer housing. 302,266, 7-18-89, Cl. D14-100.000.
- Kelly, Thomas J.: *See—*
  - Genaro, Donald M.; Kelly, Thomas J.; Miggels, Stephen G.; and Sylvester, Gordon E., 302,267, Cl. D14-106.000.
- Kelly, Thomas P.: *See—*
  - Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., 303,043, Cl. D4-104.000.
  - Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., 304,785, Cl. D4-104.000.
- Kelm, Thomas J.; and Prindle, Gordon E., to Ideal Instruments, Inc. Combined basket and bottle for dispensing injectable fluid. 303,713, 9-26-89, Cl. D24-56.000.
- Kelner, Robert S. Light candle package. 301,547, 6-13-89, Cl. D9-415.000.
- Kelsey Hayes Company: *See—*
  - Black, Joseph K., 302,146, Cl. D12-211.000.
  - McKeon, James P., 302,003, Cl. D12-211.000.
  - McKeon, James P., 302,418, Cl. D12-211.000.
  - McKeon, James P., 302,419, Cl. D12-211.000.
  - Reid, Donald J., 300,818, Cl. D12-211.000.
  - Reid, Donald J., 301,451, Cl. D12-211.000.
  - Reid, Donald J., 301,452, Cl. D12-213.000.
  - Reid, Donald J., 303,650, Cl. D12-213.000.
- Kembo B.V.: *See—*
  - Meyer, Just B., 301,946, Cl. D6-379.000.
  - Meyer, Just B., 302,630, Cl. D6-379.000.

Kemnitz, Glen D., to Sunbeam Corporation. Domestic scale. 304,428, 11-7-89, Cl. D10-92.000.
Kemp, Ian, to SP Tyres UK Ltd. Vehicle tire. 301,022, 5-9-89, Cl. D12-141.000.
Kemp, Ian, to SP Tyres UK Ltd. Vehicle tire. 305,220, 12-26-89, Cl. D12-142.000.
Kenda Rubber Industrial Co., Ltd.: *See—*
  Miller, Glynne D., 299,327, Cl. D12-140.000.
  Miller, Glynne D., 302,671, Cl. D12-149.000.
Kendall, Sherman L.: *See—*
  Kim, Wendy W.; Reynolds, Valdon G.; and Kendall, Sherman L., 305,157, Cl. D28-15.000.
Kendrick, George B.: *See—*
  Fields, Larry R.; Kendrick, George B.; and Morris, Merle E., 303,015, Cl. D26-26.000.
Kendrick, William G., Sr., to King Diagnostics, Inc. Cuvette package. 299,955, 2-21-89, Cl. D24-31.000.
Kennametal Inc.: *See—*
  Niebauer, Kenneth L., 304,949, Cl. D15-139.000.
  Niebauer, Kenneth L., 305,239, Cl. D15-139.000.
Kennedy, Charles B. Rotatable wine and glass rack. 301,670, 6-20-89, Cl. D7-71.000.
Kennedy, John. Pet bowl. 299,771, 2-7-89, Cl. D30-130.000.
Kennedy, Stephen E., to Coinmaster (Proprietary) Limited. Scale. 305,103, 12-19-89, Cl. D10-91.000.
Kennedy, Viva L. Arm extension board for exercising a disabled limb. 299,539, 1-24-89, Cl. D24-64.000.
Ken's Restaurant Systems, Inc.: *See—*
  Adcock, Roy H., 300,857, Cl. D25-1.000.
Kenyon, Howard A.: *See—*
  Rainville, Gilles; and Rainville, Francoise, 299,995, Cl. D7-43.000.
Keong, Liew K.: *See—*
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Keptel, Inc.: *See—*
  Collins, Thomas J.; Stier, Donald C.; Graham, Thomas G.; and Schneider, Pina, 300,923, Cl. D13-31.000.
  Collins, Thomas J.; Schneider, Pina; Nieves, Anthony L.; and Graham, Thomas G., 304,339, Cl. D14-240.000.
Kercher, Russell F. Closet hanger rod connector. 304,904, 12-5-89, Cl. D8-380.000.
Kerezman, Paul A.; Koteff, Walter B.; and Stricker, Alfred A., to International Business Machines Corporation. Diskette drive front panel for a personal computer. 300,930, 5-2-89, Cl. D14-115.000.
Kerezman, Paul A.; Koteff, Walter B.; and Stricker, Alfred A., to International Business Machines Corporation. Diskette drive front panel. 304,333, 10-31-89, Cl. D14-114.000.
Åkerfeldt, Dan, to C. R. Bard, Inc. Tissue sampler. 303,571, 9-19-89, Cl. D24-28.000.
Kern Instrument & Tooling, Inc.: *See—*
  Miller, Michael K.; and Stockton, Warren D., 303,418, Cl. D22-103.000.
  Miller, Michael K.; and Stockton, Warren D., 303,419, Cl. D22-104.000.
Kero, Ernst, to Plannja AB. Roofing element or the like. 302,859, 8-15-89, Cl. D25-141.000.
Kessler, Alan F.; Bronaugh, David E.; Watson, James J.; and Bartlett, Stephen P., to American Standard Inc. Outdoor heat exchanger cabinet for an air conditioning unit. 299,528, 1-24-89, Cl. D23-351.000.
Kessler, Max J.; Marzari, Robert L.; Rogers, Meyric K.; and Southard, Robert K., to AMP Incorporated. Optical continuity testing transmitter. 303,359, 9-12-89, Cl. D10-46.000.
Keung, Wong F., to Motor Electric Manufacturing Co., Ltd. Hair setter. 300,472, 3-28-89, Cl. D28-38.000.
Keung, Wong F., to Motor Electric Mfg. Co., Ltd. Flexible roller for hair setter. 302,598, 8-1-89, Cl. D28-37.000.
Keycom Electronic Publishing, Inc.: *See—*
  Cain, Vernon W.; Ray, Thomas R.; Burk, Robert; and Winter, Peter M., 300,140, Cl. D14-115.000.
Keyes Fibre: *See—*
  Ashby, Meredith W., 302,114, Cl. D9-345.000.
  Ashby, Meredith W., 302,122, Cl. D9-425.000.
  Vigue, Henry R., 304,678, Cl. D9-341.000.
Keymed (Industrial & Medical Equipment) Ltd.: *See—*
  Arnold, Allan P.; Manoy, Russell; Wood, Ian; Greaves, Henry; Goode, Nigel; and Hughes, Stephen, 302,723, Cl. D24-9.000.
Keystone Retaining Wall Systems, Inc.: *See—*
  Forsberg, Paul J., 300,253, Cl. D25-114.000.
  Forsberg, Paul J., 300,254, Cl. D25-114.000.
  Forsberg, Paul J., 301,064, Cl. D25-116.000.
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Khan, Karrar A.: *See—*
  Bresloff, Paul; Crunkhorn, Alan; and Khan, Karrar A., 302,337, Cl. D28-2.000.
Kian, Leonard. Separable jewelry medallion or the like. 301,211, 5-23-89, Cl. D11-41.000.
Kicherer, Robert; and Schreder, Felix, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electric hotplate. 299,407, 1-17-89, Cl. D7-367.000.
Kicherer, Robert; and Schreder, Felix, to E.G.O. Elektro-Gerate Blanc u. Fischer. Electric hotplate. 299,408, 1-17-89, Cl. D7-367.000.
Kidde Consumer Durables Corp.: *See—*
  Gildersleeve, Paul, 301,432, Cl. D8-36.000.
Kidde Recreation Products, Inc.: *See—*
  Jennings, Thomas P.; and Simonds, Gary L., 300,762, Cl. D22-107.000.
Kiddie Products, Inc.: *See—*
  Thom, Paul, 299,741, Cl. D23-278.000.
Kido, Katsutoshi; Kubo, Masayoshi; Ichihara, Masuo; Matoba, Hisayoshi; and Mizuma, Kensuke, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 300,898, 5-2-89, Cl. D7-351.000.
Kido, Katsutoshi; Kubo, Masayoshi; Mizuma, Kensuke; Ichihara, Masuo; and Matoba, Hisayoshi, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 302,226, 7-18-89, Cl. D7-351.000.
Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 305,088, 12-19-89, Cl. D7-351.000.
Kido, Katsutoshi: *See—*
  Ichihara, Masuo; Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Kido, Katsutoshi, 305,087, Cl. D7-351.000.
  Kubo, Masayoshi; Mizuma, Kensuke; Kido, Katsutoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 302,227, Cl. D7-351.000.
  Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, 304,150, Cl. D7-351.000.
  Mizuma, Kensuke; Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; and Matoba, Hisayoshi, 302,372, Cl. D7-351.000.
Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, to Meisei Electric Co., Ltd. Direct station telephone selector stand. 300,029, 2-28-89, Cl. D14-241.000.
Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, to Meisei Electric Co., Ltd. Direct station telephone selector. 303,801, 10-3-89, Cl. D14-241.000.
Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, to Meisei Electric Co., Ltd. Attendant telephone switchboard. 304,564, 11-14-89, Cl. D14-151.000.
Kiefer, Val A. Bowl. 304,275, 10-31-89, Cl. D7-23.000.
Kieft, Milton G., to Hoover Company, The. Vacuum cleaner. 301,648, 6-13-89, Cl. D32-22.000.
Kieft, Milton G.: *See—*
  Essex, John D.; and Kieft, Milton G., 305,169, Cl. D32-31.000.
Kiiski, Heikki, to Tunturipyora Oy. Treadmill. 303,557, 9-19-89, Cl. D21-192.000.
Kikuchi, Hideto; and Sakurado, Hideyuki, to Toyota Jidosha Kabushiki Kaisha. Balance panel for an automobile. 300,525, 4-4-89, Cl. D12-181.000.
Kikuta, Shigeru, to Hirose Electric Co., Ltd. Housing for an electrical connector plug. 300,527, 4-4-89, Cl. D13-24.000.
Kikuta, Shigeru, to Hirose Electric Co., Ltd. Electrical connectors. 300,739, 4-18-89, Cl. D13-24.000.
Kikutani, Fumitaka, to Sony Corporation. Microphone. 299,921, 2-21-89, Cl. D14-227.000.
Kilakis, Betty J. Vacuum cleaner extension tool. 303,026, 8-22-89, Cl. D32-32.000.
Kilgore, Bruce; and Hatfield, Tinker, to Nike, Inc.; and Nike International Ltd. Element of a shoe upper. 302,763, 8-15-89, Cl. D2-314.000.
Kilgore, Bruce J.; and Moore, Peter C. Shoe. 302,070, 7-11-89, Cl. D2-310.000.
Kilham, Peter. Combined bird feeder shield and perch. 303,168, 8-29-89, Cl. D30-128.000.
Kilmartin, John D., III, to International Packaging Corporation. Jewelry display box. 303,764, 10-3-89, Cl. D9-423.000.
Kilpelainen, Onni R. Fruit picker tool head. 301,825, 6-27-89, Cl. D8-7.000.
Kim, Hyun S., to Airway Industries, Inc. Handle for luggage case. 301,089, 5-16-89, Cl. D8-306.000.
Kim, Hyun S., to Airway Industries, Inc. Hand-grip for a luggage case. 302,077, 7-11-89, Cl. D8-317.000.
Kim, Jong I., to Seoil Industrial Co., Ltd. Belted package for flexible drinking straws. 299,620, 1-31-89, Cl. D9-345.000.
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  Kim, Yun S.; and Kim, Mee S., 304,226, Cl. D23-267.000.
Kim, Suk E., to SKC Limited. Reel for a video tape recorder. 303,961, 10-10-89, Cl. D14-122.000.
Kim, Syng N., to Wico Distribution Corp. Joystick. 303,405, 9-12-89, Cl. D21-48.000.
Kim, Syng N., to Wico Distribution Corp. Joystick. 303,815, 10-3-89, Cl. D21-48.000.
Kim, Wendy W.; Reynolds, Valdon G.; and Kendall, Sherman L., to Sorenson Development, Inc. Combined hair dryer and sprayer. 305,157, 12-19-89, Cl. D28-15.000.
Kim, Young J. Guide for a fishing rod. 301,501, 6-6-89, Cl. D22-143.000.
Kim, Yun S.; and Kim, Mee S. Cover for jars of fragrance, jewelry or similar article. 304,226, 10-24-89, Cl. D23-267.000.
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  Shiozawa, Hajime; Kimata, Ken; Fukuda, Kouki; Matsumoto, Kuniyasu; and Koyama, Keiichi, 303,523, Cl. D14-106.000.
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Kimberly-Clark Corporation: *See—*
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  Fay, James E., III, 304,574, Cl. D13-3.200.
  Peddada, Raju B.; and Drew, Robert A., 305,182, Cl. D5-53.000.
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  Sasaki, Yoshio; Ishizuka, Hiroshi; Nishikado, Iwamasa; and Kimeda, Tsuneji, 301,578, Cl. D14-248.000.

Kimura, Hiroyuki; Aoyagi, Masao; and Fukui, Toshikazu, to Canon Kabushiki Kaisha. Lens for camera. 302,169, 7-11-89, Cl. D16-134.000.
Kimura, Hiroyuki; and Tenkyu, Koichi, to Canon Kabushiki Kaisha. Lens for camera. 302,984, 8-22-89, Cl. D16-134.000.
Kimura, Hiroyuki; and Hara, Yoshiaki, to Canon Kabushiki Kaisha. Lens for camera. 303,976, 10-10-89, Cl. D16-134.000.
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Kimura, Masaru, to Senshin Kogyo Kabushiki Kaisha. Distance measuring device. 299,214, 1-3-89, Cl. D10-70.000.
Kimura, Shigetaka; Hasegawa, Kohichi; Sunagawa, Masao; Ishii, Yoshitaro; and Jyoraku, Fumio, to Hitachi, Ltd. Electric vacuum cleaner. 302,878, 8-15-89, Cl. D32-24.000.
Kincaid, Patrick W.: *See—*
  Howard, William H.; and Kincaid, Patrick W., 300,636, Cl. D15-10.000.
King Diagnostics, Inc.: *See—*
  Kendrick, William G., Sr., 299,955, Cl. D24-31.000.
King, Feather W. Octagonal holder for small metallic objects. 300,641, 4-11-89, Cl. D19-75.000.
King, Feather W. Holder for retaining small objects magnetically. 302,832, 8-15-89, Cl. D19-75.000.
King, Feather W. Square holder for small metallic objects. 302,987, 8-22-89, Cl. D19-75.000.
King, Feather W. Rectangular holder for small metallic objects. 304,959, 12-5-89, Cl. D19-75.000.
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King, Jerry L., to Kingsbury Toy Products, Ltd. Toy riding vehicle. 302,708, 8-8-89, Cl. D21-78.000.
King, Leslie C., to General Instrument Corp. Video self-service terminal. 302,178, 7-11-89, Cl. D20-1.000.
King, M. Frazier, Jr.; and Ciarfeo, Elizabeth A. Watch with neon-like illumination ring. 303,937, 10-10-89, Cl. D10-39.000.
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King, Perry; and Miranda, Santiago, to Flos S.p.A. Wall lamp. 299,762, 2-7-89, Cl. D26-87.000.
King, Perry; and Miranda, Santiago, to Floa S.p.A. Table lamp. 299,763, 2-7-89, Cl. D26-93.000.
King, Phillip W., to American Home Products Corporation. Fetal acoustic stimulator or similar article. 303,706, 9-26-89, Cl. D24-8.000.
King Tester Corporation: *See—*
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King, William L.; and Weisbart, Charles K., to Samsonite Corporation. Combined garment bag and luggage piece. 300,689, 4-18-89, Cl. D3-71.000.
King, William L., to Samsonite Corporation. Luggage handle. 301,201, 5-23-89, Cl. D8-306.000.
Kingery, Donald S. Telephone. 303,666, 9-26-89, Cl. D14-143.000.
Kingport International Corporation: *See—*
  Gerch, Edward L., 300,987, Cl. D3-76.000.
Kingsbury Toy Products, Ltd.: *See—*
  King, Jerry L., 302,708, Cl. D21-78.000.
Kingsley, Richard J., to Saturn Corporation. Vehicle exterior sun visor. 301,450, 6-6-89, Cl. D12-191.000.
Kingston, James E., to Hollibaugh Manufacturing Co., Inc. Water heating and pumping unit. 301,038, 5-9-89, Cl. D15-7.000.
Kingston, James E., to Hollbaugh Manufacturing Company, Inc. Water heater for tubs and the like. 303,567, 9-19-89, Cl. D23-316.000.
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  Sawa, Minoru, 299,807, Cl. D7-151.000.
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Kirberger, Robert, to Blendax-Werke, R. Schneider GmbH & Co. Toothbrush. 302,076, 7-11-89, Cl. D4-104.000.
Kirby, Bruce. Sailboat hull. 304,922, 12-5-89, Cl. D12-303.000.
Kirchhoff, Kenneth J.; and Nelson, Bruce E., to Minnesota Mining and Manufacturing Company. Desk organizer. 305,246, 12-26-89, Cl. D19-75.000.
Kirk, Alexis V. Card for holding earrings. 299,621, 1-31-89, Cl. D9-457.000.
Kirk, Chester E. Letter opener. 304,289, 10-31-89, Cl. D8-102.000.
Kirschner, Jonathan: *See—*
  Saunders, William J.; and Kirschner, Jonathan, 301,978, Cl. D9-375.000.
Kiser, Randall: *See—*
  Challberg, Sharon S.; and Kiser, Randall, 304,369, Cl. D24-8.000.
Kishi, Mitsuhiro, to Hikoma Mfg. Co., Ltd. Elevating working platform. 304,117, 10-17-89, Cl. D34-28.000.
Kishi, Toshiaki: *See—*
  Kohama, Mitsuyoshi; Kishi, Toshiaki; and Kyogoku, Nobuyuki, 299,446, Cl. D12-110.000.
  Sakuma, Tsutomu; Kishi, Toshiaki; Miura, Tamotsu; and Ooba, Takeshi, 299,447, Cl. D12-110.000.
Kishimoto Sangyo Co., Ltd.: *See—*
  Niwa, Isao; and Ishimoto, Mikio, 302,119, Cl. D9-417.000.
  Niwa, Isao; and Ishimoto, Mikio, 302,120, Cl. D9-417.000.
Kitada, Fumihiko: *See—*
  Nishikawa, Hideo; Okamoto, Kenzo; Kitada, Fumihiko; and Yoshikado, Jun, 300,499, Cl. D7-351.000.
  Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, 301,429, Cl. D7-351.000.
  Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, 301,430, Cl. D7-351.000.
  Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, 303,338, Cl. D7-351.000.
  Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, 304,149, Cl. D7-351.000.
Kitagawa Industries Co., Ltd.: *See—*
  Fujioka, Akio, 302,938, Cl. D8-356.000.
Kitagawa, Makoto: *See—*
  Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, 300,418, Cl. D12-114.000.
  Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, 300,427, Cl. D12-158.000.
Kitakaze, Jyoji; Noda, Shizuo; and Okamura, Eiko, to Sanyo Electric Co., Ltd. Electric rice cooker. 302,375, 7-25-89, Cl. D7-361.000.
Kitashima, Tadashi: *See—*
  Sube, Tadashi; Kitashima, Tadashi; and Kawauchi, Yasunori, 300,431, Cl. D14-138.000.
Kitchen, John C., to American Foreign Industries Incorporated. Marine horn. 301,210, 5-23-89, Cl. D10-120.000.
Kitchen Quarterback Enterprises: *See—*
  Meade, Marilyn A., 301,382, Cl. D2-226.000.
Kitchen Quaterback Enterprises: *See—*
  Meade, Marilyn A., 301,381, Cl. D2-226.000.
Kither, Peter I. Reflective ring for bicycle wheel. 302,799, 8-15-89, Cl. D10-111.000.
Kittle, Christopher: *See—*
  Brown, Paul D.; and Kittle, Christopher, 302,486, Cl. D2-314.000.
  Brown, Paul D.; and Kittle, Christopher, 304,518, Cl. D2-314.000.
Kittle, Christopher J.: *See—*
  Diaz, Juan A.; Brown, Paul D.; and Kittle, Christopher J., 301,387, Cl. D2-314.000.
Kitts, Keith D.; Hattori, Kenneth M.; Bransky, Jeffrey D.; and Sheldon, Robert W., to Suncast Corporation. Portable hose cart. 303,446, 9-12-89, Cl. D34-26.000.
Kitts, Keith D., and Hand, James C., to Suncast Corporation. Vehicle and patio washing brush. 304,525, 11-14-89, Cl. D4-115.000.
Kiyooka, Katsumi; Gamoh, Akira; and Iramina, Keiko, to Komatsu Zenoah Company. Portable blower. 299,570, 1-24-89, Cl. D32-15.000.
Kiyooka, Katsumi; Gamoh, Akira; Inomata, Hideko; and Iramina, Keiko, to Komatsu Zenoah Co. Portable blower. 299,571, 1-24-89, Cl. D32-15.000.
Kiyooka, Katsumi; Ueno, Tetsuo; Inomata, Hideko; and Anbo, Kiyoshi, to Komatsu Zenoah Company. Combined portable internal combustion engine and tool. 303,671, 9-26-89, Cl. D15-10.000.
Kiyooka, Katsumi; Ueno, Tetsuo; Iramina, Keiko; and Inomata, Hideko, to Komatsu Zenoah Company. Portable internal combustion engine and tools. 303,973, 10-10-89, Cl. D15-10.000.
Kiyota, Yoshihiro; and Muratani, Toyoji, to Sekisui Kagaku Kogyo Kabushiki Kaisha. Diaphragm valve. 299,521, 1-24-89, Cl. D23-245.000.
Kiyota, Yoshihiro; and Hatanaka, Hideaki, to Sekusui Kagaku Kogyo Kabushiki Kaisha. Diaphragm from a diaphragm valve. 300,554, 4-4-89, Cl. D23-249.000.
Kizawa, Toshiaki; Sato, Koichi; Hayakawa, Hayashi; and Kano, Yuji, to Matsushita Electric Industrial Co., Ltd. Battery. 302,005, 7-4-89, Cl. D13-8.000.
Klamer, Reuben B.; and Pardo, Beatrice. Roller skate. 300,049, 2-28-89, Cl. D21-226.000.
Klamer, Reuben B.; and Pardo, Beatrice. Adjustable roller skate. 300,050, 2-28-89, Cl. D21-226.000.
Klawitter, Ronald R., to Handi-Pac, Inc. Child's amusement spinning disc or the like. 299,942, 2-21-89, Cl. D21-247.000.
Klawitter, Ronald R., to Handi-Pac, Inc. Rolling push toy. 302,186, 7-11-89, Cl. D21-59.000.
Klebba, John M., to Geomation, Inc. Housing for electronic modules. 300,024, 2-28-89, Cl. D13-40.000.
Klebba, John M., to Geomation, Inc. Keyboard and display panel. 302,428, 7-25-89, Cl. D14-115.000.
Klebba, John M., to Geomation, Inc. Handle for manipulating a printed circuit board or the like. 305,091, 12-19-89, Cl. D8-14.000.
Klein, Ludolf, to Bond Street, Ltd. Combination stationery holder and pocket secretary. 303,809, 10-3-89, Cl. D19-27.000.
Klein, Max, to Salton Housewares, Inc. Combined coffee maker and pitcher. 300,103, 3-7-89, Cl. D7-300.000.
Klein, Max, to Salton Housewares, Inc. Coffee-maker. 300,105, 3-7-89, Cl. D7-309.000.
Klein, Max, to Salton Housewares, Inc. Pitcher. 300,797, 4-25-89, Cl. D7-318.000.
Klein, Otto G. Corner protector. 303,924, 10-10-89, Cl. D8-403.000.
Kleinberg, Ira, to Reliance Trading Corp. of America. Plant stand. 304,701, 11-21-89, Cl. D11-146.000.
Kleinert, York, to Alloy Tool and Mold, Mfg., Corp. (ATM). Bottle. 304,158, 10-24-89, Cl. D9-375.000.
Kleinert, York, to Alloy Tool and Mold, Mfg., Corp. (ATM). Bottle. 304,159, 10-24-89, Cl. D9-375.000.
Klepper, Alain: *See—*
  Graas, Maurice; and Klepper, Alain, 303,364, Cl. D12-147.000.

Klien, Johannes P., to Lasarray Holding AG. Clean room module or similar article. 300,859, 4-25-89, Cl. D25-33.000.
Kligerman, Thomas A.: *See—*
Rothman, Allen J.; and Kligerman, Thomas A., 299,624, Cl. D11-152.000.
Klil Industries Ltd.: *See—*
Meshulam, Maurice, 300,564, Cl. D25-119.000.
Meshulam, Maurice, 300,565, Cl. D25-119.000.
Klingelhofer, Scott. Nut bowl. 301,427, 6-6-89, Cl. D7-98.000.
Klingseisen, Paul: *See—*
Bongard, James A.; Delaney, Michael J.; Duncan, Eugene F.; Fredricks, Cheryl A.; Groves, John P.; Kalista, Daniel J.; Klingseisen, Paul; Lazzaro, Joseph; and Nadolski, Gregory L., 301,333, Cl. D13-13.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Simulative construction toy. 304,216, 10-24-89, Cl. D21-108.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Frog construction toy. 304,217, 10-24-89, Cl. D21-108.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Lily pad construction toy. 304,218, 10-24-89, Cl. D21-108.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Y-intersection marble race toy. 305,042, 12-12-89, Cl. D21-143.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Finishing lane marble race toy. 305,043, 12-12-89, Cl. D21-143.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Passing lane marble race toy. 305,044, 12-12-89, Cl. D21-143.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Switch track marble race toy. 305,045, 12-12-89, Cl. D21-143.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Landing ramp marble race toy. 305,046, 12-12-89, Cl. D21-143.000.
Klitsner, Daniel B., to Discovery Toys, Inc. Banked hairpin marble race toy. 305,047, 12-12-89, Cl. D21-143.000.
Kloberg, John, Jr. Disposable bag holder. 301,102, 5-16-89, Cl. D6-567.000.
Klodt, Gerald J., to W. T. Rogers Company. Vertical file or the like. 299,360, 1-10-89, Cl. D19-90.000.
Klodt, Gerald J., to W. T. Rogers Company. Pamphlet holder. 299,389, 1-17-89, Cl. D6-407.000.
Klodt, Gerald J., to W. T. Rogers Company. Card file. 299,474, 1-17-89, Cl. D19-76.000.
Klodt, Gerald J., to W. T. Rogers Company. Pencil cup or the like. 299,477, 1-17-89, Cl. D19-85.000.
Klodt, Gerald J., to W. T. Rogers Company. Vertical message file or the like. 299,478, 1-17-89, Cl. D19-90.000.
Klodt, Gerald J., to W. T. Rogers Company. Book end or the like. 300,639, 4-11-89, Cl. D19-34.100.
Klopp, Randall B. Beverage cup holder. 304,795, 11-28-89, Cl. D7-70.000.
Kluge, Richard G., to John Sterling Corporation. Burglar bar. 299,757, 2-7-89, Cl. D25-53.000.
Klumpp, Harry R., to Fontaine Industries, Inc. Telescopic sight mount. 304,967, 12-5-89, Cl. D22-110.000.
Kmetz, David G., to Stanley Works, The. Cordless drill. 301,968, 7-4-89, Cl. D8-68.000.
Kmetz, David G., to Stanley Works, The. Cordless screwdriver. 304,152, 10-24-89, Cl. D8-68.000.
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Esser, Jack, 302,765, Cl. D2-320.000.
Knauer, Allen R. Storage battery cart. 301,792, 6-20-89, Cl. D34-26.000.
Knecht, Brian L. Combined upper handle bar clamp and cigar lighter holder for motorcycle. 300,417, 3-28-89, Cl. D12-114.000.
Knierim, Charles A. Prime mover vehicle for pulling or lifting a load. 303,643, 9-26-89, Cl. D12-1.000.
Knight, Alan W. E.: *See—*
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Knight, William A. Muzzle-loading rifle. 299,673, 1-31-89, Cl. D22-103.000.
Knispel, Barry, to Electro-Matic Staplers, Inc. Glue gun. 303,612, 9-26-89, Cl. D8-14.100.
Knochner, Michael; and Lang, Manfred, to Rowenta-Werke GmbH. Espresso machine. 299,304, 1-10-89, Cl. D7-309.000.
Knochner, Michael, to Rowenta-Werke GmbH. Coffeemaker. 299,608, 1-31-89, Cl. D7-309.000.
Knoll International Inc.: *See—*
Vignelli, Massimo; Vignelli, Lelia; and Law, David B., 300,484, Cl. D6-373.000.
Knowles, Larry F.: *See—*
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Knudsen, Jens N., to Interlego A.G. Externally curved toy wall element. 304,046, 10-17-89, Cl. D21-108.000.
Knudsen, Jens N., to Interlego A.G. Bevelled toy construction element. 304,215, 10-24-89, Cl. D21-108.000.
Knudsen, Jens N., to Interlego A.G. Internally curved toy wall element. 304,354, 10-31-89, Cl. D21-108.000.
Knudsen, Jens N., to Interlego A.G. Toy curved wall element. 304,470, 11-7-89, Cl. D21-108.000.
Knudsen, Jens N., to Interlego A.G. Toy caparison. 304,484, 11-7-89, Cl. D21-189.000.
Knutson, Kevin M. Beverage can opening ring. 303,915, 10-10-89, Cl. D8-18.000.
Kobayashi, Akihiko: *See—*
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Kobayashi, Juro: *See—*
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Kobayashi, Masaharu, to Sony Corporation. Radio receiver. 300,529, 4-4-89, Cl. D14-198.000.
Kobayashi, Masashi, to Maruman Golf Kabushiki Kaisha. Golf club head. 300,547, 4-4-89, Cl. D21-220.000.
Kobayashi, Tetsuro: *See—*
Himuro, Yasuo; and Kobayashi, Tetsuro, 304,435, Cl. D12-146.000.
Kobayashi, Toshiaki; and Tomura, Atsushi, to Bridgestone Corporation. Motorcycle tire. 301,327, 5-30-89, Cl. D12-142.000.
Kobayashi, Toshiaki; and Tomura, Atsushi, to Bridgestone Corporation. Motorcycle tire. 301,446, 6-6-89, Cl. D12-147.000.
Kobishi Electric Co., Ltd.: *See—*
Arai, Tatsuya, 299,703, Cl. D14-116.000.
Arai, Tatsuya, 299,813, Cl. D10-116.000.
Arai, Tatsuya, 300,730, Cl. D10-116.000.
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Meyer, Walter E.; and Fleckenstein, John E., 300,147, Cl. D18-23.000.
Koek, Kevin C.: *See—*
LaBudde, Brian R.; and Koek, Kevin C., 302,425, Cl. D14-114.000.
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Hart, Norman K.; Koh, Lynnet; and Mills, Eugene A., 303,115, Cl. D14-142.000.
Kohama, Mitsuyoshi; Kishi, Toshiaki; and Kyogoku, Nobuyuki, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,446, 1-17-89, Cl. D12-110.000.
Kohen, Chain; and Rodensky, Ephraim, to Jordan Trading Corporation. Crucifix. 299,779, 2-7-89, Cl. D99-27.000.
Kohler Co.: *See—*
Giese, Robert C.; and Reid, Mary J., 302,037, Cl. D24-38.000.
Giese, Robert C.; and Poulson, Keith L., 304,236, Cl. D24-38.000.
Hillebrand, Thomas W., 303,423, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 299,739, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,238, Cl. D23-249.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,652, Cl. D23-250.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,770, Cl. D23-250.000.
Kohler, Herbert V., Jr.; Davis, William R.; and Sandman, Robert B., 300,902, Cl. D8-307.000.
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Kohler, Herbert V., Jr.; and Hillebrand, Thomas W., 302,849, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 303,566, Cl. D23-249.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 303,829, Cl. D23-250.000.
Reid, Mary J., 299,742, Cl. D23-283.000.
Reid, Mary J.; and Giese, Robert C., 301,060, Cl. D24-38.000.
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Reid, Mary J., 303,886, Cl. D6-499.000.
Reid, Mary J., 303,887, Cl. D6-499.000.
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Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Lever handle. 299,739, 2-7-89, Cl. D23-252.000.
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Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Faucet handle or the like. 300,652, 4-11-89, Cl. D23-250.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Faucet handle or the like. 300,770, 4-18-89, Cl. D23-250.000.
Kohler, Herbert V., Jr.; Davis, William R.; and Sandman, Robert B., to Kohler Co. Handle. 300,902, 5-2-89, Cl. D8-307.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Handle. 301,604, 6-13-89, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Hillebrand, Thomas W., to Kohler Co. Plumbing fitting handle. 302,849, 8-15-89, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Escutcheon for plumbing fitting. 303,566, 9-19-89, Cl. D23-249.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., to Kohler Co. Faucet handle or the like. 303,829, 10-3-89, Cl. D23-250.000.
Koike, Ryuichi; and Satoh, Ichitaro, to Sony Corporation. Magnetic tape cassette. 302,553, 8-1-89, Cl. D14-121.000.
Koiwa, Norimi: *See—*
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Kojima, Fumiyo, to Ricoh Company, Ltd. Combined copying machine, facsimile transmitter/receiver and printer. 304,186, 10-24-89, Cl. D14-118.000.
Kojima, Tatsuo, to Canon Kabushiki Kaisha. Microfilm reader printer. 302,560, 8-1-89, Cl. D16-223.000.
Kojima, Tatsuo, to Canon Kabushiki Kaisha. Microfilm reader printer. 304,951, 12-5-89, Cl. D16-223.000.
Kok, Olav: *See—*
Pogue, Lonnie C.; and Kok, Olav, 304,331, Cl. D14-107.000.

Kokihara, Mitsuharu, to Fujitsu Limited. Portable telephone. 303,963, 10-10-89, Cl. D14-138.000.
Kokkinos, Nick. Combined hammer and hatchet. 301,679, 6-20-89, Cl. D8-75.000.
Kokusai Denki Kabushiki Kaisha: *See—*
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Sekine, Isamu, 305,233, Cl. D14-191.000.
Kolada, Paul P.: *See—*
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Kohler, Herbert V., Jr.; and Kolada, Paul P., 299,739, Cl. D23-252.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,238, Cl. D23-249.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,652, Cl. D23-250.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 300,770, Cl. D23-250.000.
Kohler, Herbert V., Jr.; and Kolada, Paul P., 301,604, Cl. D23-252.000.
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Kolman, Kenneth R.; Nyberg, Michael J.; Cody, Richard W.; and Fuerst, Rory W., to Avia Group International, Inc. Shoe sole. 302,900, 8-22-89, Cl. D2-317.000.
Kolman, Kenneth R.; Nyberg, Michael J.; Cote, Richard W.; Fuerst, Rory W.; and Granville, James, to Avia Group International, Inc. Shoe upper. 304,128, 10-24-89, Cl. D2-314.000.
Kolton, Chester; and Spater, Stuart S., to B&G Plastics, Inc. Scarf hanger. 301,522, 6-13-89, Cl. D6-315.000.
Kolvites, Albert; Giungo, John L.; and Cohn, Robert J., to InterMetro Industries Corporation. Heated food transporting cabinet. 305,172, 12-19-89, Cl. D34-19.000.
Komatsu, Hiroshi, to Canon Kabushiki Kaisha. Facsimile. 304,187, 10-24-89, Cl. D14-118.000.
Komatsu, Yasuhiro, to Hosiden Electronics Co., Ltd. Electrical connector. 305,225, 12-26-89, Cl. D13-24.000.
Komatsu Zenoah Company: *See—*
Kiyooka, Katsumi; Gamoh, Akira; and Iramina, Keiko, 299,570, Cl. D32-15.000.
Kiyooka, Katsumi; Gamoh, Akira; Inomata, Hideko; and Iramina, Keiko, 299,571, Cl. D32-15.000.
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Nakajima, Kazuo. 303,207, Cl. D8-65.000.
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Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 303,370, 9-12-89, Cl. D13-4.000.
Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 303,371, 9-12-89, Cl. D13-4.000.
Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 303,372, 9-12-89, Cl. D13-4.000.
Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 304,170, 10-24-89, Cl. D13-4.000.
Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 304,171, 10-24-89, Cl. D13-4.000.
Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, to Mitsubishi Denki Kabushiki Kaisha. Power inverter. 305,115, 12-19-89, Cl. D13-4.000.
Kondoh, Nobuyuki; Abe, Yoshinori; and Yamane, Iwao, to Mitsubishi Denki Kabushiki Kaisha. Data input unit for a sewing machine with a touch entry pad. 303,788, 10-3-89, Cl. D14-100.000.
Kondoh, Yuji, to Canon Kabushiki Kaisha. Video camera. 305,240, 12-26-89, Cl. D16-202.000.
Konopka, April A., to Pacesetter Infusion, Ltd. Female luer connector. 303,013, 8-22-89, Cl. D24-53.000.
Konrad Rosenbauer K.G.: *See—*
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Kontes Glass Company: *See—*
Neill, Norman A., 303,710, Cl. D24-29.000.
Konzorr, Hubert; and Herold, Ulrich, to Union Sils, van de Loo & Co. GmbH. Bicycle pedal. 302,259, 7-18-89, Cl. D12-125.000.
Kopu, Simo, to Oy Wartsila AB. Key or similar article. 302,238, 7-18-89, Cl. D8-347.000.
KORD Beteiligungsgeselischaft mbH & Co. KG: *See—*
Rothfos, Jan B., 303,086, Cl. D9-377.000.
Korey, Nowell N. Bag. 300,004, 2-28-89, Cl. D9-305.000.
Korner, Lucy. Book. 303,989, 10-10-89, Cl. D19-26.000.
Korpijaako, E. Pekka, to Willette Corporation, The. Soap shelf. 304,888, 12-5-89, Cl. D6-574.000.
Korte, Heinrich, to Korte-Licht Inh. Heinrich Korte, Firma. Combined lamp and electrical plug. 303,717, 9-26-89, Cl. D26-26.000.
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Kosako, Mikio; and Nishibori, Hiroshi, to Sharp Corporation. Copying machine. 299,355, 1-10-89, Cl. D18-39.000.
Kosako, Mikio; and Makihara, Ritsuko, to Sharp Corporation. Copying machine. 299,653, 1-31-89, Cl. D18-36.000.
Kosako, Mikio, to Sharp Corporation. Cash register. 301,588, 6-13-89, Cl. D18-4.000.
Kosako, Mikio; Makihara, Ritsuko; and Tatsuta, Yoichi, to Sharp Corporation. Copying machine. 302,440, 7-25-89, Cl. D18-37.000.
Koschuta, Louise D. Baby wipe warmer. 301,923, 6-27-89, Cl. D23-332.000.
Koshino, Susumu, to Asahi Kogaku Kogyo Kabushiki Kaisha. 35 mm camera. 304,836, 11-28-89, Cl. D16-209.000.
Koshino, Susumu, to Asahi Kogaku Kogyo Kabushiki Kaisha. Image scanner. 304,934, 12-5-89, Cl. D14-107.000.
Koss Corporation: *See—*
Besasie, Joseph C.; Wagner, Donald R.; and Koss, Michael J., 301,145, Cl. D14-205.000.
Koss, Michael J.: *See—*
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Kossack, Edgar W.: *See—*
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Kosugi, Yuhei; and Minowa, Yoshio, to NEC Corporation. Transmission and reception unit for a mini earth station. 304,945, 12-5-89, Cl. D14-231.000.
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Kotlicki, Yaacov; and Kotlicki, Moshe. Infra-red detector. 302,951, 8-22-89, Cl. D10-106.000.
Kovach, Thomas J., to Nature's Challenge, Inc. Bow holster. 300,989, 5-9-89, Cl. D3-104.000.
Kovensky, William, to Mr. Gasket Company. Automotive rear view mirror support unit. 302,415, 7-25-89, Cl. D12-187.000.
Kovesdi, Janos, to Konsumex Kulkerskedelmi Vallalat. Toy construction piece. 304,469, 11-7-89, Cl. D21-108.000.
Kowalics, Raymond P.: *See—*
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Koyo Electronics Industries Co., Ltd.: *See—*
Naoi, Kiichi; Watanabe, Yuichi; and Manta, Hitoshi, 305,020, Cl. D13-12.000.
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Kozyrski, Vincent T.; and Peters, Alan R., to Fletcher-Terry Company, The. Point driver. 304,901, 12-5-89, Cl. D8-49.000.
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Charet, Pierre; and Kraai, Duke, 300,737, Cl. D12-187.000.
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  Charet, Pierre; and Kraai, Duke, 302,594, Cl. D26-60.000.
  Charet, Pierre; and Kraai, Duke, 303,158, Cl. D26-60.000.
  Charet, Pierre; and Kraai, Duke, 304,304, Cl. D10-15.000.
  Charet, Pierre; and Kraai, Duke, 304,508, Cl. D27-105.000.
  Iacovelli, Marc R.; Chart, Pierre; and Kraai, Duke, 299,438, Cl. D10-68.000.
  Iacovelli, Marc R.; Charet, Pierre; and Kraai, Duke, 301,863, Cl. D12-193.000.
Kracke, Don. Refuse and storage container. 299,576, 1-24-89, Cl. D34-7.000.
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  Katz, Martin A.; and Corsini, Timothy L., 299,819, Cl. D12-167.000.
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  Harrod, Lawrence R., 299,666, Cl. D21-134.000.
Krapowicz, Jacob C.; and Mader, William G., to Easco Corporation. Combination wrench. 299,206, 1-3-89, Cl. D8-28.000.
Krapowicz, Jacob C.; and Mader, William G., to Easco Corporation. Ratchet wrench. 300,296, 3-21-89, Cl. D8-25.000.
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Krebs, Gerald A.; and Krebs, Mary B. J. Protective pad for a seat belt. 302,607, 8-1-89, Cl. D29-10.000.
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  Krebs, Gerald A.; and Krebs, Mary B. J., 302,607, Cl. D29-10.000.
Kreuzer Produktion Vertrieb & GmbH & Co. KG: *See—*
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Kreuzer Produktion + Vertrieb GmbH & Co. KG: *See—*
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Krohn, Lisa; and Viemeister, Tucker. Combination telephone answering machine and telephone set or similar article. 302,690, 8-8-89, Cl. D14-141.000.
Krok, Arlene, to A-Plus Products, Inc. Inflatable baby support. 300,694, 4-18-89, Cl. D6-333.000.
Krokus, Bernard J., Sr. Golf green repair tool. 300,760, 4-18-89, Cl. D21-234.000.
Krol, Leonardus A. C., to U.S. Philips Corporation. Night-light. 302,863, 8-15-89, Cl. D26-26.000.
Kroll, Clarence P., to Riccar America Company. Upright vacuum cleaner. 305,168, 12-19-89, Cl. D32-22.000.
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Kropfl, Steven F. Three-way chess and checker gameboard. 299,836, 2-14-89, Cl. D21-24.000.
Kroplopp, Rudolph W.; and Larsen, Duke, to Motorola, Inc. Cradle for a telephone handset or similar article. 301,883, 6-27-89, Cl. D14-142.000.
Kruger, James B., to Smith & Wesson Corp. Key for handcuffs. 301,542, 6-13-89, Cl. D8-347.000.
Krugman, Kenneth J., to Mirific, Inc. Multi-pocketed storage bag. 300,398, 3-28-89, Cl. D6-514.000.
Krugman, Kenneth J., to Mirific, Inc. Multi-pocketed storage bag. 300,399, 3-28-89, Cl. D6-553.000.
Kruitbosch, John. Truck bed cargo restraining unit. 300,734, 4-18-89, Cl. D12-155.000.
Krupotich, Edward A., to Omation Corporation. Envelope conveyor/-stacker. 299,774, 2-7-89, Cl. D34-29.000.
Kruse, Richard M.; and Williams, Jeffrey J., to Great Plains Industries, Inc. Flowmeter. 301,988, 7-4-89, Cl. D10-96.000.
Krzyzanowski, Sergius P.; and Doyle, Richard, to Leviton Manufacturing Company, Inc. Combined plug and conductor detector. 300,314, 3-21-89, Cl. D13-28.000.
Ku, Eva K., to UCP International Company Limited. Doll head. 300,044, 2-28-89, Cl. D21-190.000.
Kuan, Henry T. Inflatable sled. 301,568, 6-13-89, Cl. D12-11.000.
Kuba, Lawrence M.; and Vinciguerra, Peter F., to Wang Laboratories, Inc. Support arm. 302,501, 8-1-89, Cl. D6-491.000.
Kuba, Lawrence M., to Wang Laboratories, Inc. Video display. 303,793, 10-3-89, Cl. D14-113.000.
Kuba, Lawrence M., to Wang Laboratories, Inc. Video display. 304,445, 11-7-89, Cl. D14-113.000.
Kubo, Kazuyuki: *See—*
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Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 304,150, 10-24-89, Cl. D7-351.000.
Kubo, Masayoshi: *See—*
  Ichihara, Masuo; Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Kido, Katsutoshi, 305,087, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Ichihara, Masuo; Matoba, Hisayoshi; and Mizuma, Kensuke, 300,898, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Mizuma, Kensuke; Ichihara, Masuo; and Matoba, Hisayoshi, 302,226, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, 305,088, Cl. D7-351.000.
  Mizuma, Kensuke; Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; and Matoba, Hisayoshi, 302,372, Cl. D7-351.000.
  Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 304,148, Cl. D7-351.000.
Kubo, Ryuzo, to Nissan Motor Company, Limited. Automobile bumper. 299,636, 1-31-89, Cl. D12-169.000.
Kubo, Tadashi; Isozaki, Hiromi; and Takeda, Junnosuke, to NCR Corporation. Receipt-journal printer or similar article. 301,344, 5-30-89, Cl. D18-13.000.
Kubo, Tadashi; Isozaki, Hiromi; and Nemoto, Asami, to NCR Corporation. Cash register or similar article. 302,436, 7-25-89, Cl. D18-4.000.
Kubo, Tatsuya, to Casio Computer Co., Ltd. Portable clock. 304,691, 11-21-89, Cl. D10-15.000.
Kubo, Ushio: *See—*
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Kubota, Eiichi: *See—*
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Kubota, Hiroshi, to Toa Tokushi Denki Kabushiki Kaisha. Headphone-style microphone. 299,643, 1-31-89, Cl. D14-225.000.
Kubota, Hiroshi, to Toa Tokushu Denki Kabushiki Kaisha. Combined microphone and shielder. 300,821, 4-25-89, Cl. D14-228.000.
Kubota, Hiroshi, to Toa Tokushu Denki Kabushiki Kaisha. Microphone shielder. 300,822, 4-25-89, Cl. D14-228.000.
Kubota, Hiroshi, to Toa Tokushu Denki Kabushiki Kaisha. Combined microphone and shielder. 300,823, 4-25-89, Cl. D14-228.000.
Kubota, Hiroshi, to Toa Tokushu Denki Kabushiki Kaisha. Combined microphone, stand and shielder. 302,158, 7-11-89, Cl. D14-225.000.
Kubota, Hiroshi, to Toa Tokushu Denki Kabushiki Kaisha. Combined microphone and shielder. 302,819, 8-15-89, Cl. D14-228.000.
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  Kawashima, Nobumasa, 300,141, Cl. D15-11.000.
  Odahara, Tetsuichi; Eguchi, Jutaro; and Murata, Kinichi, 300,221, Cl. D15-24.000.
Kubota, Mineo, to Nippon Seimitsu Kogyo Kabushiki Kaisha. Image scanner. 304,827, 11-28-89, Cl. D14-116.000.
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Kudirka, Paul J.: *See—*
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Kuhnel, Donald S.: *See—*
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Kujawski, Stanley M., to Quaker Oats Company, The. Door gate. 301,622, 6-13-89, Cl. D25-50.000.
Kulish, Peter A. Magnet for the treatment of liquid fuels. 299,266, 1-3-89, Cl. D23-207.000.
Kull, Andrew W. Combined square and tape measure. 299,437, 1-17-89, Cl. D10-62.000.
Kulle, Lee K.; and Ahern, Mary A., to Baxter International Inc. Secondary set lock to secure a secondary intravenous set line to a primary intravenous set line. 302,304, 7-18-89, Cl. D24-53.000.
Kumagai, Kenta; Chiba, Noboru; and Tsubokuda, Syoji, to Hitachi, Ltd. Air-conditioner. 300,173, 3-7-89, Cl. D23-351.000.
Kumano, Toshihiro: *See—*
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Kumar, Rajendra; and Lewis, Kim R., to Telxon Corporation. Combined hand held keyboard and display terminal and optical scanning head. 303,663, 9-26-89, Cl. D14-116.000.
Kumazawa, Shoichiro: *See—*
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Kung, Chi H.; and Lau, Wai M., to Brinkmann International (Hong Kong) Limited. Combined fluorescent lantern and torch. 300,569, 4-4-89, Cl. D26-42.000.
Kunihiro, Takashi, to Takara Co., Ltd. Reconfigurable toy tank. 301,357, 5-30-89, Cl. D21-150.000.
Kunihiro, Takashi, to Takara Co., Ltd. Reconfigurable toy plane. 301,358, 5-30-89, Cl. D21-150.000.
Kunihiro, Takashi, to Takara Co., Ltd. Reconfigurable toy helicopter. 301,504, 6-6-89, Cl. D21-150.000.
Kunihiro, Takashi, to Takara Co., Ltd. Reconfigurable toy vehicle. 301,505, 6-6-89, Cl. D21-150.000.
Kunihiro, Takashi, to Takara Co., Ltd. Reconfigurable toy dinosaur. 305,049, 12-12-89, Cl. D21-148.000.
Kunio, Ando. Physical exerciser. 300,338, 3-21-89, Cl. D21-198.000.
Kunna, Paul E.; and Kunna, Sadie A. Cap remover utensil. 301,829, 6-27-89, Cl. D8-40.000.
Kunna, Paul E.; and Kunna, Sadie A. Kitchen box top opener. 303,751, 10-3-89, Cl. D8-18.000.
Kunna, Sadie A.: *See—*
  Kunna, Paul E.; and Kunna, Sadie A., 301,829, Cl. D8-40.000.
  Kunna, Paul E.; and Kunna, Sadie A., 303,751, Cl. D8-18.000.
Kuntze, Lutz; and Kuntze, Rupert, to D.A.M. Deutsche Angelgeraete Manufaktur Hellmuth Kuntze GmbH & Co. KG. Supply spool for a fishing line. 300,405, 3-28-89, Cl. D8-358.000.
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  Kuntze, Lutz; and Kuntze, Rupert, 300,405, Cl. D8-358.000.
Kuo, Pei Wen. Telephone set. 299,229, 1-3-89, Cl. D14-151.000.
Kuo, Pei Wen. Telephone set. 299,456, 1-17-89, Cl. D14-151.000.
Kurcbart, Robert: *See—*
  Scheid, William J.; McKee, John M.; Kurcbart, Robert; Ranalletta, Joseph V.; Benyo, John R.; and Toth, Richard J., 303,969, Cl. D14-191.000.
Kurihara, Masaki, to Seiko Epson Corporation. Computer. 301,472, 6-6-89, Cl. D14-100.000.
Kurihara, Toshio: *See—*
  Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, 300,418, Cl. D12-114.000.
  Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, 300,427, Cl. D12-158.000.
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  Yamamoto, Sachio; and Kuriya, Chikashi, 300,379, Cl. D32-18.000.
  Yamamoto, Sachio; and Kuriya, Chikashi, 301,646, Cl. D32-18.000.
  Yamamoto, Sachio; and Kuriya, Chikashi, 301,649, Cl. D32-22.000.
  Yamamoto, Sachio; Kuriya, Chikashi; and Nakajima, Mika, 303,025, Cl. D32-18.000.
Kuroda, Shigeru: *See—*
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Kurokawa, Masayuki, to American Standard Inc. Bathtub. 300,846, 4-25-89, Cl. D23-281.000.
Kuroki, Nobufusa, to Janome Sewing Machine Co., Ltd. Sewing machine. 300,832, 4-25-89, Cl. D15-70.000.
Kuroki, Nobufusa; and Sato, Shigeru, to Janome Sewing Machine Co., Ltd. Sewing machine. 301,888, 6-27-89, Cl. D15-69.000.
Kuroki, Nobufusa, to Janome Sewing Machine Co., Ltd. Sewing machine. 305,237, 12-26-89, Cl. D15-69.000.
Kurosu, Teisuke; Ohta, Fumiharu; Takenaka, Kazumasa; Tamura, Masao; Ming, Hung C.; and Watanabe, Satoshi, to Matsushita Electric Industries, Co., Ltd. Integral telephone and answering set. 299,228, 1-3-89, Cl. D14-141.000.
Kurosu, Yukio; Ueno, Shigeo; and Nakatsuka, Toshiki, to Honda Giken Kogyo Kabushiki Kaisha. Automobile. 301,848, 6-27-89, Cl. D12-92.000.
Kurosu, Yukio: *See—*
  Mizuno, Tetsuya; Ui, Yoshio; and Kurosu, Yukio, 301,436, Cl. D12-92.000.
  Oshika, Toshi; Ichinose, Kazuhiro; and Kurosu, Yukio, 299,325, Cl. D12-92.000.
Kurozumi, Shigeru; and Sakamoto, Harumi, to Sharp Corporation. Electronic whiteboard and photocopier. 300,041, 2-28-89, Cl. D19-52.000.
Kurta Corporation: *See—*
  Hoover, Rick L.; and Rodgers, James L., 304,446, Cl. D14-114.000.
  Rodgers, James L.; and Hoover, Rick L., 304,449, Cl. D14-114.000.
Kurtovic, Zlatko, to Consolidated Devices Inc. Bottle cap remover. 302,928, 8-22-89, Cl. D8-33.000.
Kurzina, Joseph K. Watch. 303,635, 9-26-89, Cl. D10-32.000.
Kusayanagi, Masao: *See—*
  Kato, Shuzo; Nakamura, Yasushi; and Kusayanagi, Masao, 303,806, Cl. D18-4.000.
  Kato, Shuzo; Nakamura, Yasushi; and Kusayanagi, Masao, 303,987, Cl. D18-13.000.
Kushitani Company, Ltd.: *See—*
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Kushitani, Hisashi, to Kushitani Company, Ltd. Coveralls for motorcyclist. 300,683, 4-18-89, Cl. D2-29.000.
Kushitani, Hisashi. Boot for motorcyclist. 303,037, 8-29-89, Cl. D2-275.000.
Kushitani, Hisashi. Boot for a motorcyclist. 304,125, 10-24-89, Cl. D2-275.000.
Kuwa, Kazuhiro; and Yoneda, Kiwamu, to Sumitomo Electric Industries, Ltd. Thermal recorder. 299,435, 1-17-89, Cl. D10-46.000.
Kverneland A/S: *See—*
  Nja, Olav, 299,348, Cl. D15-11.000.
Kvernex A/S: *See—*
  Henningsen, Ernst, 299,239, Cl. D15-28.000.
  Henningsen, Ernst, 299,240, Cl. D15-28.000.
KV33 Corporation: *See—*
  Huffman, Ronald E., 302,456, Cl. D24-16.000.
  Huffman, Ronald E., 302,587, Cl. D24-16.000.
  Huffman, Ronald E., 302,724, Cl. D24-16.000.
  Huffman, Ronald E., 302,725, Cl. D24-16.000.
Kwake, John P. Multiple individual lounge theatre. 303,154, 8-29-89, Cl. D24-12.000.
Kwan, Siu F., to National Telecommunication System Limited. Telephone. 303,668, 9-26-89, Cl. D14-149.000.
Kwang, David: *See—*
  Weissberg, Gary S.; Kwang, David; and Yamada, Masahiko, 302,556, Cl. D14-222.000.
  Weissberg, Gary S.; Kwang, David; and Yamada, Masahiko, 302,695, Cl. D14-222.000.
Kwiecinski, Gordon F., to Hamilton Sorter Co., Inc. Rotatable filing and storage cabinet. 303,737, 10-3-89, Cl. D6-455.000.
Kwik-Way Industries, Inc.: *See—*
  Pulda, William J., Jr.; and Berkeley, James E., 303,309, Cl. D34-23.000.
Kwikset Corporation: *See—*
  Halsted, Milt J.; and Graham, Karen L., 300,113, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 300,114, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 300,115, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 300,202, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 300,203, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 300,204, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 302,103, Cl. D8-302.000.
  Halsted, Milt J.; and Graham, Karen L., 303,489, Cl. D8-302.000.
Kyogoku, Nobuyuki: *See—*
  Kohama, Mitsuyoshi; Kishi, Toshiaki; and Kyogoku, Nobuyuki, 299,446, Cl. D12-110.000.
Kyricos, Christopher. Multi-jointed lamp. 303,580, 9-19-89, Cl. D26-65.000.
Kyusyu Hitachi Maxwell, Ltd.: *See—*
  Sagawa, Kazuo; Higa, Toshiro; and Mouri, Yoshio, 302,742, Cl. D28-51.000.
L.A. Gear, Inc.: *See—*
  Choi, Inho, 302,350, Cl. D2-320.000.
  Clark, Larry M., 303,038, Cl. D2-314.000.
  Clark, Larry M., 304,520, Cl. D2-320.000.
  Clark, Larry M., 304,521, Cl. D2-320.000.
  Greenberg, Robert Y., 302,898, Cl. D2-314.000.
  Jimenez, Suzann, 300,181, Cl. D2-314.000.
  McKinstry, Kimberly A., 305,077, Cl. D2-314.000.
  Quan, Patricia D.; Maccano, Angelo; and Greenberg, Robert Y., 301,081, Cl. D2-314.000.
  Quan, Patricia D.; Maccano, Angelo; and Greenberg, Robert Y., 304,515, Cl. D2-314.000.
  Quan, Patricia D., 305,177, Cl. D2-314.000.
L.B. (Plastics) Limited: *See—*
  Hardy, Terence, 299,962, Cl. D25-119.000.
  Hardy, Tererce, 299,968, Cl. D25-124.000.
  Hardy, Terence, 299,969, Cl. D25-124.000.
  Hardy, Terence, 299,970, Cl. D25-124.000.
  Litchfield, Leon G.; and Hardy, Terence, 299,964, Cl. D25-124.000.
  Litchfield, Leon G.; and Hardy, Terence, 299,965, Cl. D25-124.000.
  Litchfield, Leon G.; and Hardy, Terence, 299,966, Cl. D25-124.000.
  Litchfield, Leon G.; and Hardy, Terence, 299,967, Cl. D25-124.000.
L. Powell Co.: *See—*
  Powell, Larry, 301,416, Cl. D6-440.000.
La Compagnie Resentel Ltee: *See—*
  Lussier, Andre; and Morelli, Michel, 302,881, Cl. D32-53.100.
La Telemecanique Electrique: *See—*
  Boucher, Guy, 302,809, Cl. D13-12.000.
  Boucher, Guy, 302,972, Cl. D13-12.000.
  Thomas, Christian, 300,315, Cl. D13-34.000.
Lab-Line Instruments, Inc.: *See—*
  Stalec, Lawrence W., 304,611, Cl. D23-314.000.
La Barbera, Angelo; and Rivera, Roberto, to Eastman Kodak Company. Multiple user workstation. 302,363, 7-25-89, Cl. D6-423.000.
LaBudde, Brian R.; and Koek, Kevin C., to Eastman Kodak Company. Cabinet for computer keyboard. 302,425, 7-25-89, Cl. D14-114.000.
LaCelle, Leroy J.; Ungar, Joseph L.; and Selke, Gary J., to Advanced Technology Laboratories, Inc. Medical ultrasound scanner. 300,241, 3-14-89, Cl. D24-1.100.
Lacher, Sheldon. Toothbrush. 301,397, 6-6-89, Cl. D4-104.000.
Lacroix, Bernard, to Cycles Peugeot. Moped. 302,801, 8-15-89, Cl. D12-110.000.
Ladd Furniture, Inc.: *See—*
  Wistehuff, Daniel D., 301,417, Cl. D6-446.000.
  Wistehuff, Daniel D., 301,528, Cl. D6-446.000.
  Wistehuff, Daniel D., 301,815, Cl. D6-505.000.
Ladley, Patricia E. Carrying case for a cordless telephone. 299,187, 1-3-89, Cl. D3-106.000.
Laessle, William B., to Green, Ernest Eugene, a part interest. Combined hook and bolt therefor. 299,312, 1-10-89, Cl. D8-367.000.
Lafko, Bruce C. Combined dresser and mirror. 299,296, 1-10-89, Cl. D6-444.000.
LaGuardia, Joseph M.: *See—*
  Coletta, Ralph; and LaGuardia, Joseph M., 300,640, Cl. D19-51.000.

Laible, Rodney L.: *See—*

Heubel, Thomas W.; Laible, Rodney L.; and Brown, Daniel R., 302,291, Cl. D24-8.000.

Laid Back Enterprises, Inc.: *See—*

Colclasure, George M., 300,082, Cl. D2-270.000.

Colclasure, George M., 300,335, Cl. D21-155.000.

Colclasure, George M., 300,336, Cl. D21-155.000.

Colclasure, George M., 304,361, Cl. D21-230.000.

Lakhan, Haresh C.; Switala, Lawrence W.; and Ashton, Kim J., to Ecolab Inc. Solid detergent dispenser. 304,102, 10-17-89, Cl. D32-1.000.

Lakin, Willis M., to Tedco, Inc. Spinning toy. 302,191, 7-11-89, Cl. D21-96.000.

Laliberte, Richard V., Jr. Videocassette shelf unit. 301,816, 6-27-89, Cl. D6-567.000.

Lallerstedt, Lars, to Scholl, Inc. Foot file. 301,070, 5-9-89, Cl. D28-59.000.

Lam, Michael C. B. Pair of linked candles. 300,665, 4-11-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 301,747, 6-20-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 301,748, 6-20-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,314, 7-18-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of candles linked by a common wick. 302,315, 7-18-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,316, 7-18-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,317, 7-18-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,474, 7-25-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,475, 7-25-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 302,476, 7-25-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 304,378, 10-31-89, Cl. D26-7.000.

Lam, Michael C. B. Pair of linked candles. 304,503, 11-7-89, Cl. D26-7.000.

Lam, Wing K., to Win-Gold Electronics Co. Ltd. Radio. 300,322, 3-21-89, Cl. D14-189.000.

Lambert Corporation: *See—*

Ruhl, Walter F.; Steed, Jeffrey A.; and Weaver, James M., 304,103, Cl. D32-15.000.

Lambert, Gary F. Combined picture greeting card and display means. 304,459, 11-7-89, Cl. D19-2.000.

Lambert, Hans R., to Louis Gibeck AB. Moisture/heat exchanger for respiratory apparatus or similar article. 301,377, 5-30-89, Cl. D24-52.000.

Lambert, Hans R., to Louis Gibeck AB. Moisture/heat exchanger for respiratory apparatus or similar article. 302,040, 7-4-89, Cl. D24-52.000.

Lambert, Lonnie B. Pistol grip. 302,289, 7-18-89, Cl. D22-108.000.

Lambert, Pol F., to Vortan International Holding N.V. Removeable protective cover tray for a hot drink dispenser. 300,712, 4-18-89, Cl. D7-397.000.

Lamson & Sessions Co., The: *See—*

Carsello, John P., 304,019, Cl. D10-106.000.

Lancer Pacific: *See—*

Jones, Arthur W., 302,588, Cl. D24-16.000.

Landell, Harper; and Warren, Donald W., to Woodstream Corporation. Bait pedal for a mouse or rat trap. 300,163, 3-7-89, Cl. D22-119.000.

Landis, David. Basket for a barbecue grill. 301,431, 6-6-89, Cl. D7-402.000.

Landry, Christian C.; and Faranda, Robert T., to Digital Equipment Corporation. Display terminal. 299,347, 1-10-89, Cl. D14-113.000.

Landsberger, Lue: *See—*

Howard, James; and Landsberger, Lue, 304,540, Cl. D7-137.000.

Landwerlen, Joseph E., to J & L Tool, Inc. Fishing reel handle. 300,450, 3-28-89, Cl. D22-137.000.

Lane Company, The: *See—*

Crawley, Herman D., 300,788, Cl. D6-397.000.

Lane International Corporation: *See—*

Robertson, Michael K., 304,376, Cl. D25-69.000.

Lane, Johni P. Holder for permanent wave curling rods. 300,266, 3-14-89, Cl. D28-11.000.

Lane, Mark R., to American Sports International, Ltd. Body strength and conditioning frame structure. 301,267, 5-23-89, Cl. D21-191.000.

Lane, Stephen; Petrie, Aidan; and Thomas, Erik, to Polaroid Corporation. Camera or similar article. 303,534, 9-19-89, Cl. D16-217.000.

Lane, Stephen; Petrie, Aidan; and Thomas, Erik, to Polaroid Corporation. Camera or similar article. 303,535, 9-19-89, Cl. D16-217.000.

Lane, Wendell C., to Dana Corporation. Turn signal handle adaptor. 304,565, 11-14-89, Cl. D12-155.000.

Lane, Wendell C., to Dana Corporation. Turn signal handle adaptor. 304,566, 11-14-89, Cl. D12-155.000.

Lane, Wendell C., Jr., to Dana Corporation. Turn signal handle adaptor. 304,567, 11-14-89, Cl. D12-155.000.

Lang, Frank J. Manicure stone. 299,875, 2-14-89, Cl. D28-57.000.

Lang, Manfred: *See—*

Knochner, Michael; and Lang, Manfred, 299,304, Cl. D7-309.000.

Lange, Clement M., Jr., to Best Chairs, Inc. Swivel rocker. 304,393, 11-7-89, Cl. D6-334.000.

Lange, Edwin L., to Kavanagh, Kenneth Gordon; and Kavanagh, Edward Ian. Screw. 303,494, 9-19-89, Cl. D8-387.000.

Lange, Mark R. Combined shirt pocket cuspidor and ashtray or similar article. 304,108, 10-17-89, Cl. D34-2.000.

Langenbeck, Andreas; and Mohrmann, Horst, to Daimler-Benz Aktiengesellschaft. Steering wheel. 301,330, 5-30-89, Cl. D12-176.000.

Langer, Dirk: *See—*

Feltman, Charles H., III; and Langer, Dirk, 302,919, Cl. D7-9.000.

Lanius, Charles A., to Flambeau Corporation. Tackle box. 299,586, 1-31-89, Cl. D3-38.000.

Lanphere, Ralph C.; and Montgomery, Gregg C., to J. I. Case Company. Tractor cab. 304,589, 11-14-89, Cl. D15-30.000.

Lantz, Paul D., to Rifkin Products Co. Combined pen and holder. 299,659, 1-31-89, Cl. D19-36.000.

Lapelusa, Anthony J. Tool for removing gutters from a building. 300,901, 5-2-89, Cl. D8-88.000.

LaPierre, Howard N. Vision protector attachment for a cap. 302,608, 8-1-89, Cl. D29-16.000.

Lapsker, Josh, to Starline Industries Inc. Compact combination corkscrew bottle opener. 301,113, 5-16-89, Cl. D8-42.000.

Lardell, Howard. Wheeled hand truck for transporting a cooler or the like. 302,891, 8-15-89, Cl. D34-23.000.

Lardo, Claude: *See—*

Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 303,513, Cl. D12-147.000.

Collette, Jean J.; Dauvister, Pierre M. J.; Jonette, Bernard; and Lardo, Claude, 303,514, Cl. D12-147.000.

Demaret, Patrick; Lardo, Claude; and Preont, Michel, 303,645, Cl. D12-149.000.

Large, Eric J. G.; and Payne, John D., to Stroud Metal Company Limited. Combined walking stick and seat. 299,189, 1-3-89, Cl. D6-335.000.

Lariviere, Judith, to Flacgrant LTEE. Combined hooded jacket with vest. 301,797, 6-27-89, Cl. D2-185.000.

Larsen, Duke: *See—*

Kroplopp, Rudolph W.; and Larsen, Duke, 301,883, Cl. D14-142.000.

Larsen, M. Don: *See—*

Pace, S. Glen; and Larsen, M. Don, 300,026, Cl. D14-129.000.

Larson, Kenneth W.; and Scholtes, Ronald P., to Motorola, Inc. Secure telephone modem or similar article. 302,268, 7-18-89, Cl. D14-107.000.

Larson, Kenneth W.; and Marrella, John J., to Motorola, Inc. Mobile data terminal or similar article. 303,374, 9-12-89, Cl. D14-100.000.

Larson, Lawrence L.: *See—*

Ruger, William B.; and Larson, Lawrence L., 300,057, Cl. D22-108.000.

Ruger, William B.; and Larson, Lawrence L., 301,911, Cl. D22-104.000.

Ruger, William B.; and Larson, Lawrence L., 304,223, Cl. D22-108.000.

Larson, Raymond L., to BMR Investments, Inc. Bottle. 303,496, 9-19-89, Cl. D9-370.000.

Larson, Raymond L., to BMR Investments, Inc. Bottle. 303,497, 9-19-89, Cl. D9-370.000.

Larson, Thomas W. Plant hanger. 300,702, 4-18-89, Cl. D6-513.000.

Larsson, Bertil, to Flakt AB. Channels for a filter bank supporting latticework. 299,546, 1-24-89, Cl. D25-119.000.

Lasarray Holding AG: *See—*

Klien, Johannes P., 300,859, Cl. D25-33.000.

Lasergate Systems, Inc.: *See—*

Turner, Donald G., 302,936, Cl. D8-343.000.

Laskaris, Michael A.: *See—*

Eberhardt, H. Alfred; Miller, David L.; and Laskaris, Michael A., 303,533, Cl. D15-7.000.

Lasker, Martin L., and Cohen, Joel S., to Prescolite Inc. Adjustable directional lighting fixture or similar article. 303,719, 9-26-89, Cl. D26-65.000.

Laski, James M. Bottle holder insert for an ice bucket or the like. 301,007, 5-9-89, Cl. D7-387.000.

Lassi, Karl-Gunnar, to Abu AB. Fishing rod handle. 300,651, 4-11-89, Cl. D22-142.000.

Lassi, Karl-Gunnar, to Abu AB. Fishing rod handle. 301,049, 5-9-89, Cl. D22-142.000.

Lassi, Karl-Gunnar, to Abu AB. Fishing rod handle. 301,050, 5-9-89, Cl. D22-142.000.

Lassi, Karl-Gunnar, to Abu AB. Fishing rod handle. 301,051, 5-9-89, Cl. D22-142.000.

Lathrop, Bethany, to Aloys F. Dornbracht GmbH & Co. KG. Combined water control handles and escutcheon. 302,850, 8-15-89, Cl. D23-254.000.

Lathrop, Bethany, to Aloys F. Dornbracht GmbH & Co. KG. Spout. 304,225, 10-24-89, Cl. D23-257.000.

Lathrop, Bethany, to Aloys F. Dornbracht GmbH & Co. KG. Faucet with a rotatable lever for a wash bowl. 304,609, 11-14-89, Cl. D23-238.000.

Latin Percussion, Inc.: *See—*

Cayce, David; and Cohen, Wayne E., 302,109, Cl. D8-398.000.

Lau, Joseph K., to Imperial World, Inc. Combined pendant and pin or similar article. 300,612, 4-11-89, Cl. D11-44.000.

Lau, Po C. Heart-shaped plastic paper clip. 302,831, 8-15-89, Cl. D19-65.000.

Lau, Wai M.: *See—*

Kung, Chi H.; and Lau, Wai M., 300,569, Cl. D26-42.000.

Laudano, Raymond J.: *See—*

Craig, William H.; Graves, William B.; and Laudano, Raymond J., 301,280, Cl. D1-102.000.

Lauer, Brunhilde. Handheld vacuum cleaner. 302,758, 8-8-89, Cl. D32-18.000.

Lauer, Eduard, to Halstead Industries, Inc. Telescopically extendable, multiple-element hole cutter. 300,404, 3-28-89, Cl. D8-98.000.

Laughton & Sons Limited: *See—*

Hall, David C., 305,164, Cl. D28-83.000.

Laura Woods Company: *See—*

Hammond, Charles C.; and Hammond, James A., 302,506, Cl. D6-547.000.

Laurel-Plastic Kurt Lorber: *See—*

Lorber, Beate, 303,272, Cl. D19-65.000.

Lorber, Kurt; and Lorber, Beate, 304,205, Cl. D19-65.000.

Laurie, George, to Icore International. Clock indexing device for a cable connector. 299,613, 1-31-89, Cl. D8-29.000.

Lauster, Dawn. Canine Christmas stocking. 299,623, 1-31-89, Cl. D11-126.000.

Lavenir Technolgy, Inc.: *See—*

Luoma, E. Thomas, 303,377, Cl. D14-107.000.

LaViolette, Inc.: *See—*

LaViolette, Paul, 303,417, Cl. D22-100.000.

LaViolette, Paul, to LaViolette, Inc. Projectile launcher. 303,417, 8-12-89, Cl. D22-100.000.

Law, David B.: *See—*

Vignelli, Massimo; Vignelli, Lelia; and Law, David B., 300,484, Cl. D6-373.000.

Lawrence, Harry E.: *See—*

Chow, Ho; and Lawrence, Harry E., 300,170, Cl. D23-213.000.

Lawrence Paper Company: *See—*

Creaden, David E., 301,013, Cl. D9-456.000.

Lawson, Kenneth C. Bicycle for two. 301,216, 5-23-89, Cl. D12-112.000.

Lawton, Peter: *See—*

Gaffin, Stig; and Lawton, Peter, 301,339, Cl. D14-151.000.

Lay, Khoo B.: *See—*

Claxton, Bruce A.; and Lay, Khoo B., 302,687, Cl. D14-137.000.

Scheid, William J.; Lay, Khoo B.; and Keong, Liew K., 303,667, Cl. D14-171.000.

Laycock, Paul T. Microwave water dispenser. 299,689, 2-7-89, Cl. D7-313.000.

Lazier, Kenneth M.: *See—*

Charboneau, Donald B.; and Lazier, Kenneth M., 302,522, Cl. D9-375.000.

Lazowski, Andrew; and Jomha, Mohamed A. Counterweight for toilet tank. 301,057, 5-9-89, Cl. D23-249.000.

Lazowski, Andrew; and Jomha, Mohamed A. Counterweight for toilet tank. 301,367, 5-30-89, Cl. D23-249.000.

Lazzaro, Joseph: *See—*

Bongard, James A.; Delaney, Michael J.; Duncan, Eugene F.; Fredricks, Cheryl A.; Groves, John P.; Kalista, Daniel J.; Klingseisen, Paul; Lazzaro, Joseph; and Nadolski, Gregory L., 301,333, Cl. D13-13.000.

LDI Mfg. Co., Inc.: *See—*

Breidinger, Russell L., 300,557, Cl. D23-387.000.

Le, Tuan, to Reebok International Ltd. Shoe upper. 300,983, 5-9-89, Cl. D2-314.000.

Le, Tuan, to Reebok International Ltd. Shoe outsole. 301,659, 6-20-89, Cl. D2-320.000.

Le, Tuan H.; and Litchfield, Paul E., to Reebok International Ltd. Pivoting ankle stabilizer. 300,685, 4-18-89, Cl. D2-314.000.

Le, Tuan N., to Reebok International Ltd. Shoe sole. 301,392, 6-6-89, Cl. D2-320.000.

Le, Tuan N.; and Litchfield, Paul E., to Reebok International Ltd. Outsole for a shoe. 304,778, 11-28-89, Cl. D2-320.000.

Le, Tuan N.: *See—*

Brown, Paul D.; and Le, Tuan N., 299,784, Cl. D2-314.000.

Brown, Paul D.; Le, Tuan N.; and Bemis, Jon L., 300,282, Cl. D2-314.000.

Liggett, Steven P.; Le, Tuan N.; and Bua, Jeffrey P., 299,984, Cl. D2-320.000.

Lea, James M.: *See—*

Haggerty, Peter D.; Lea, James M.; Frickland, Peter O.; Rayl, Eric L.; and Burroughs, John D., 303,466, Cl. D6-503.000.

Leahan, Daniel P. Combined writing pad and pen. 304,736, 11-21-89, Cl. D19-78.000.

Leander, Oskar W.: *See—*

Aronsson, Joachim S.; Leander, Oskar W.; and Melin, Erik R., 305,238, Cl. D15-139.000.

Leap, Earl J. Tree soaker. 303,913, 10-10-89, Cl. D8-1.000.

Leary, James L.: *See—*

Ewing, Robert L.; Hammond, Douglas S.; Leary, James L.; Meredith, David G.; and Roush, Mark L., 300,671, Cl. D26-67.000.

Leavitt, Richard F., to Chelsea Clock Company, Incorporated. Quartz clock movement. 302,137, 7-11-89, Cl. D10-129.000.

LeBleu, David. Integral handset telephone and dress shoe. 302,555, 8-1-89, Cl. D14-143.000.

LeBleu, David. Integral handset telephone and flip-top type shoe. 302,693, 8-8-89, Cl. D14-143.000.

LeBleu, David. Integral handset telephone and high-top sneaker. 303,387, 9-12-89, Cl. D14-143.000.

le Brocquy, Louis. Textile fabric. 300,692, 4-18-89, Cl. D5-41.000.

le Brocquy, Louis. Textile fabric. 302,906, 8-22-89, Cl. D5-41.000.

LEC Kabushiki Kaisha: *See—*

Ogawa, Tadashi, 301,554, Cl. D10-82.000.

l'Ecole Nationale Superieure de Creation Industrielle: *See—*

Clement, Alexandre; Debrosse, Laure; Mallet, Francois; De Saint-Denis, Francis; and Sorin, Jacques, 301,850, Cl. D12-129.000.

Lecuyer, Francois: *See—*

O'Dohanue, Nicolas; and Lecuyer, Francois, 300,372, Cl. D26-67.000.

O'Dohanue, Nicolas; and Lecuyer, Francois, 304,860, Cl. D26-67.000.

Ledenican, Richard A., to Goldblatt Tool Co. Masonry guide line holder. 300,599, 4-11-89, Cl. D8-71.000.

Lee, Anthony L. Cutting attachment for a lawn and weed trimmer. 299,484, 1-24-89, Cl. D8-8.000.

Lee, Ching C. Golf cart. 303,028, 8-22-89, Cl. D34-15.000.

Lee, Ching-Chang. Pen. 300,229, 3-14-89, Cl. D19-41.000.

Lee, Chung S., to Three-Ply Company, Ltd. Vase or similar article. 299,445, 1-17-89, Cl. D11-153.000.

Lee, Evelyn. Arm protector. 299,562, 1-24-89, Cl. D29-20.000.

Lee, Fu-Kuei. Toy water gun with extensible nozzle. 304,049, 10-17-89, Cl. D21-147.000.

Lee, George C. Candy dispenser. 303,994, 10-10-89, Cl. D20-7.000.

Lee Hsu, Mei-Kwei. Aquarium. 299,565, 1-24-89, Cl. D30-102.000.

Lee, Hwei M.; and Yu, Kuo C. Paper folding toy donkey. 300,544, 4-4-89, Cl. D21-148.000.

Lee Industries: *See—*

Coley, Bill G., 305,184, Cl. D6-381.000.

Lee, Joseph L., to O.F. Mossberg and Sons, Inc. Combined firearm carrying handle and sight. 302,454, 7-25-89, Cl. D22-108.000.

Lee, Martin L.; and Hunt, Simon S. Rechargeable flashlight for automotive use. 302,322, 7-18-89, Cl. D26-46.000.

Lee, Michael. Sleigh. 301,322, 5-30-89, Cl. D12-11.000.

Lee, Michael G.; and Hunsdale, James, to SpaceLabs, Inc. Recorder for a medical monitor. 300,359, 3-21-89, Cl. D24-17.000.

Lee, Michael G.: *See—*

Hunsdale, James; and Lee, Michael G., 299,861, Cl. D24-17.000.

Lee, Peter F., to Southland Instruments, Inc. Disposable biopsy needle unit. 300,243, 3-14-89, Cl. D24-24.000.

Lee, Peter M. H., to High Technology Manufacturing Limited. Electronic insect killer. 302,577, 8-1-89, Cl. D22-123.000.

Lee, Peter M. H., to High Technology Manufacturing Limited. Electronic insect killer. 302,578, 8-1-89, Cl. D22-123.000.

Lee, Raymond N. Paper roll holder. 303,891, 10-10-89, Cl. D6-523.000.

Lee & Smith; Hanifl, Paul H.; and Newton, John J., Jr., to Sage Products, Inc. Urine collector attachment pad. 304,080, 10-17-89, Cl. D24-54.000.

Lee, Suk-Young. Barbell. 301,269, 5-23-89, Cl. D21-197.000.

Lee, Theresa K. Jewelry box organizer. 301,100, 5-16-89, Cl. D6-560.000.

Lee, Troy M., to Troy Lee Designs. Visor. 303,852, 10-3-89, Cl. D29-18.000.

Lee, Wen-Lin B., to Team Technology Inc. Telephone instrument with a notepaper compartment. 301,138, 5-16-89, Cl. D14-144.000.

Lee, Wilton W.: *See—*

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Leer, Stuart D., to General Electric Company. Walkie talkie. 302,429, 7-25-89, Cl. D14-137.000.

LeFevre, Louis B., to Conoco Inc. Bottle or similar article. 299,314, 1-10-89, Cl. D9-370.000.

Lefkowitz, Jay. Table base. 303,740, 10-3-89, Cl. D6-495.000.

Lefkowitz, Jay. Table base. 303,741, 10-3-89, Cl. D6-495.000.

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Leger, Jean P. Electronic display panel. 304,349, 10-31-89, Cl. D20-12.000.

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Lehman, Charles W.; and Sanders, Michael. Plural-tool unit for use by an artist. 304,733, 11-21-89, Cl. D19-36.000.

Lehman, David A.; and Walters, Michael A., to Eastman Kodak Company. Printer for electronic computer. 299,346, 1-10-89, Cl. D14-111.000.

Lehman, Michael. Combined luggage and expandable organizer. 303,177, 9-5-89, Cl. D3-76.000.

Lehner, Daniel F.; and Bell, Ted A., to Pretty Products, Inc. Automobile floor mat. 302,416, 7-25-89, Cl. D12-203.000.

Lehner, Daniel F.; and Bell, Ted A., to Pretty Products, Inc. Automobile floor mat. 302,417, 7-25-89, Cl. D12-203.000.

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Bell, Ted A.; and Lehner, Daniel F., 302,356, Cl. D3-40.000.

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Leighton, Mark A. Combined pot lid and utensil holder. 304,280, 10-31-89, Cl. D7-73.000.

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- Lemmens, Harry M.; Kossack, Edgar W.; and Coburn, Terry J., to Disketech International, Inc. Software cabinet. 300,393, 3-28-89, Cl. D6-432.000.
- Lemmeyer, Gary R., to Quaker Oats Company, The. Portable training toilet. 302,583, 8-1-89, Cl. D23-296.000.
- Lenahan, Scott G., to Gruber Systems, Inc. Wall-inserted bathroom accessory holder. 302,505, 8-1-89, Cl. D6-524.000.
- Lenox, Incorporated: *See—*
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- Lenson, Walter J. Erosion control device. 302,313, 7-18-89, Cl. D25-117.000.
- Lentz, Eberhard, to Siemens Aktiengesellschaft. Personal computer. 300,219, 3-14-89, Cl. D14-106.000.
- Lentz, Eberhard, to Siemens Aktiengesellschaft. Housing for disc drives. 303,378, 9-12-89, Cl. D14-109.000.
- Leonard, G. Darin. Hand held fly suction device. 301,273, 5-23-89, Cl. D22-122.000.
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- Leong, David W.; and Longust, Timothy A., to Hewlett-Packard Company. Drafting plotter. 302,551, 8-1-89, Cl. D14-107.000.
- Leopoldi, Norbert, to Cloverline Incorporated, The. Letter opener. 303,616, 9-26-89, Cl. D8-102.000.
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- Lessel, Christopher L. Wetbike muffler pipe. 299,917, 2-21-89, Cl. D12-194.000.
- Leszczak, John; and Staubitz, Robert B., to Bates Manufacturing Company. Swivel rotary file. 304,734, 11-21-89, Cl. D19-76.000.
- Leszczak, John; and Staubitz, Robert B., to Bates Manufacturing Company. Covered swivel rotary file. 304,735, 11-21-89, Cl. D19-76.000.
- Leszczak, John; Staubitz, Robert B.; and Valls, William H., to Bates Manufacturing Company. Stapler. 304,903, 12-5-89, Cl. D8-50.000.
- Leung, Chee-Chung, to Cal-Comp Electronics Inc. Computer monitor or similar article. 304,719, 11-21-89, Cl. D14-113.000.
- Leung, Kwok Y. Battery-operated torch. 300,870, 4-25-89, Cl. D26-40.000.
- Leung, Tak L., to Brinkmann International (Hong Kong) Limited. Rechargeable fluorescent lantern. 301,631, 6-13-89, Cl. D26-42.000.
- Leung, Wilson, to Spalding & Evenflo Companies, Inc. Water toy turtle figure. 301,596, 6-13-89, Cl. D21-157.000.
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- Levick, Lois B. Pita bread sandwich holder. 304,405, 11-7-89, Cl. D7-70.000.
- Levine, David. Corner pad. 302,789, 8-15-89, Cl. D8-403.000.
- Levine, Norman. Bicycle frame. 303,777, 10-3-89, Cl. D12-111.000.
- Levine, Steven K. Chair base. 301,190, 5-23-89, Cl. D6-498.000.
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- Lewis, Stephen B.; Smith, Cyril; and Feeney, John R., to Protector Safety Industries Limited. Helmet or similar article. 299,765, 2-7-89, Cl. D29-14.000.
- Lewis, Stephen H. Electronic calculator. 303,540, 9-19-89, Cl. D18-7.000.
- Li, Robert S. K. Data pen. 303,124, 8-29-89, Cl. D19-36.000.
- Li, Wan L.; and Wong, Pui W. Toy scissors. 301,348, 5-30-89, Cl. D21-120.000.
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- Li, Yung-To. Juice presser or similar article. 304,141, 10-24-89, Cl. D7-49.000.
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- Lichtenvort, Uwe; and Stoeber, Manfred, to Mannesmann Demag AG. Double sheave lifting block. 300,077, 2-28-89, Cl. D34-35.000.
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  - Jackwicz, William V.; Jampathom, Sompoppol; Joffe, Richard M.; and Liebler, Charles F., 301,146, Cl. D14-248.000.
- Liebmann, Andrew, to Polar Plastics Ltd. Fork or similar article. 299,899, 2-21-89, Cl. D7-138.000.
- Lieffertz, Christian C. A. Cribbage board. 300,121, 3-7-89, Cl. D10-46.100.
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- Liggett, Steven P.; Le, Tuan N.; and Bua, Jeffrey P., to Reebok International Ltd. Shoe sole. 299,984, 2-28-89, Cl. D2-320.000.
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- Lin, Shenq Y. Palanquin. 305,107, 12-19-89, Cl. D12-1.000.
- Lin, Shuh-Chin. Tape dispenser. 300,151, 3-7-89, Cl. D19-67.000.
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- Ling, Wong L., to Innovative Time Corporation. Pedometer. 303,094, 8-29-89, Cl. D10-70.000.
- Linn, Thomas D., to Boston Digital Corporation. Enclosure for a machine tool. 301,585, 6-13-89, Cl. D15-138.000.
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- Litchfield, Leon G.; and Hardy, Terence, to L.B. (Plastics) Limited. Frame component for a patio door. 299,964, 2-21-89, Cl. D25-124.000.
- Litchfield, Leon G.; and Hardy, Terence, to L.B. (Plastics) Limited. Door frame component. 299,965, 2-21-89, Cl. D25-124.000.
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- Livingstone, David J. Tyne holder. 299,238, 1-3-89, Cl. D15-28.000.
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  - Scheid, William J.; Fennell, Robert D.; Lloyd, Robert D.; Toth, Richard J.; and Strobel, Russell A., 303,529, Cl. D14-191.000.
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- Lobaugh, Larry E. Key. 304,544, 11-14-89, Cl. D8-347.000.
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- Long, Douglas G., to Diebold, Incorporated. Motor fuel dispensing control terminal or similar article. 304,198, 10-24-89, Cl. D15-9.100.
- Long, Millard A., Jr., to Bryan Foods, Inc. Display tray for food products. 303,218, 9-5-89, Cl. D9-456.000.
- Long, Randy L. Bracket for clock, figure toy or similar article. 301,686, 6-20-89, Cl. D8-373.000.
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- Lopez-Doriga Lopez-Doriga, Juan A., to Sociedad Espanola del Acumulador Tudor, S.A. Electric battery. 303,519, 9-19-89, Cl. D13-9.000.
- Lopez-Doriga Lopez-Doriga, Juan A., to Sociedad Espanola del Acumulador Tudor, S.A. Electric battery. 303,652, 9-26-89, Cl. D13-9.000.
- Lopez-Doriga Lopez-Doriga, Juan A., to Sociedad Espanola del Acumulador Tudor, S.A. Electric battery. 303,653, 9-26-89, Cl. D13-9.000.
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- Macaluso, Anthony. Combined courtesy and adjustable light for the interior of automotive vehicles. 300,867, 4-25-89, Cl. D26-28.000.
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- MacDonald, Wallace T.; Cassidy, Robert E.; and Gandhi, Harish, to North American Philips Lighting Corp. Compact fluorescent lamp. 302,473, 7-25-89, Cl. D26-3.000.
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  - Joyaux, Yves; and Mandon, Jean-Pierre, 301,205, Cl. D9-448.000.
- Mango, Joseph R., to World Dryer Division of Specialty Equipment Companies, Inc. Hand dryer. 302,870, 8-15-89, Cl. D28-54.100.
- Mango, Joseph R., to World Dryer Division of Specialty Equipment Companies, Inc. Hand dryer. 304,101, 10-17-89, Cl. D28-54.100.
- Manhart, Louise M. Jewelry display stand. 301,813, 6-27-89, Cl. D6-467.000.
- Manhart, Louise M. Jewelry display stand. 303,472, 9-19-89, Cl. D6-553.000.
- Mann, W. Thomas. Fishing lure. 300,053, 2-28-89, Cl. D22-127.000.
- Mannesmann Demag AG: *See—*
  - Lichtenvort, Uwe; and Stoeber, Manfred, 300,076, Cl. D34-35.000.
  - Lichtenvort, Uwe; and Stoeber, Manfred, 300,077, Cl. D34-35.000.
- Manning, Donald L. Bus body. 301,996, 7-4-89, Cl. D12-84.000.
- Manning, Donald L. Bus body. 302,255, 7-18-89, Cl. D12-84.000.
- Manning, Donald L. Bus body. 302,256, 7-18-89, Cl. D12-84.000.
- Manning, Donald L. Bus body. 302,802, 8-15-89, Cl. D12-84.000.
- Mano, Kazunori: *See—*
  - Ueda, Yoshiaki; Toyoda, Hiroshi; Mano, Kazunori; Tsuruha, Toshiaki; and Kanza, Akinobu, 300,598, Cl. D7-360.000.
- Manoy, Russell: *See—*
  - Arnold, Allan P.; Manoy, Russell; Wood, Ian; Greaves, Henry; Goode, Nigel; and Hughes, Stephen, 302,723, Cl. D24-9.000.
- Mansau, Serge, to Lever Brothers Company. Bottle with cap. 303,213, 9-5-89, Cl. D9-367.000.

Mansau, Serge, to Lever Brothers Company. Bottle. 303,214, 9-5-89, Cl. D9-403.000.

Manschot, James G., to Plastronics, Inc. Conbined urine meter and urinary drainage bag. 303,714, 9-26-89, Cl. D24-58.000.

Mansfield, Bentley. Microwave-powered water heater. 301,733, 6-20-89, Cl. D23-318.000.

Manta, Hitoshi: *See—*
  Naoi, Kiichi; Watanabe, Yuichi; and Manta, Hitoshi, 305,020, Cl. D13-12.000.

Manville Corporation: *See—*
  Ewing, Robert L.; Hughes, James S.; and Faust, William H., 300,469, Cl. D26-24.000.
  Ewing, Robert L.; Hammond, Douglas S.; and Roush, Mark L., 300,670, Cl. D26-67.000.
  Ewing, Robert L.; Hammond, Douglas S.; Leary, James L.; Meredith, David G.; and Roush, Mark L., 300,671, Cl. D26-67.000.
  Ewing, Robert L.; Fouke, Herbert A.; Hughes, James S.; and Bruggeman, Bruce G., 303,434, Cl. D26-67.000.
  Hoke, Merle C.; Harvey, John W.; and Bauer, Linda M., 302,737, Cl. D26-88.000.
  Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,951, Cl. D26-78.000.
  Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,952, Cl. D26-78.000.
  Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 300,953, Cl. D26-78.000.
  Hughes, James S.; Gundlach, Joel T.; Reeder, Paul A.; and Fouke, Herbert A., 301,278, Cl. D26-78.000.
  Thompson, Neil J.; Brass, John R.; Fouke, Herbert A.; and San George, Mark, 300,873, Cl. D26-74.000.

Manzo, Louis. Rounded staircase baluster. 304,375, 10-31-89, Cl. D25-38.000.

Marasco, Angelo. Cook book holder. 301,948, 7-4-89, Cl. D6-419.000.

Marchais, Jean-Claude, to OFECO, S.A. Food serving counter. 300,591, 4-11-89, Cl. D6-481.000.

Marchetti, Richard J. Cooling fan assembly housing for electrical equipment. 299,857, 2-14-89, Cl. D23-370.000.

Marchus, L. Mark: *See—*
  Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 299,244, Cl. D16-244.000.
  Jones, John A.; and Marchus, L. Mark, 299,245, Cl. D16-245.000.
  Jones, John A.; Marchus, L. Mark; and Hardy, Loren S., 300,037, Cl. D16-244.000.

Marcoccio, Louis E.: *See—*
  Gonzales, Roman Y.; Zdinak, Paul S.; Marcoccio, Louis E.; and Poirier, David F., 303,655, Cl. D13-12.000.

Marcucci, Tom. Above ground pool light. 304,620, 11-14-89, Cl. D26-24.000.

Marcy Fitness Products: *See—*
  Sheltra, Ronald, 300,063, Cl. D25-120.000.

Marianelli, Giorgio: *See—*
  Barbieri, Raul; and Marianelli, Giorgio, 301,406, Cl. D6-323.000.
  Barbieri, Raul; and Marianelli, Giorgio, 301,523, Cl. D6-323.000.

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  Tarrson, Emanuel B.; and Maric, Dane, 300,946, Cl. D24-11.000.
  Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., 303,043, Cl. D4-104.000.
  Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., 304,785, Cl. D4-104.000.

Marine Lobster Farms Ltd.: *See—*
  Mason, Edgar G., 304,870, Cl. D30-115.000.

Marine Technological Exchange, Inc.: *See—*
  Sapp, Samuel C.; and Payne, Peter R., 300,130, Cl. D12-311.000.

Marini, Samuel J., to Cushionite, Inc. Trash container cart. 305,171, 12-19-89, Cl. D34-6.000.

Mariol, James F., to Campbell Hausfeld/Scott Fetzer Company. Hopper for a sandblaster. 300,036, 2-28-89, Cl. D15-126.000.

Mariol, James F., to Campbell Hausfeld/Scott Fetzer Company. Single cylinder air compressor. 303,394, 9-12-89, Cl. D15-9.000.

Marion, James G.: *See—*
  Duran, David C.; Casey, John P.; Marion, James G.; and McGrew, M. Allen, 302,612, Cl. D32-4.000.

Marker Deutschland GmbH: *See—*
  Sedlmair, Gerhard, 299,734, Cl. D21-230.000.

Markovits, Jacob. Rope chain. 301,698, 6-20-89, Cl. D11-13.000.

Markovits, Jacob. Rose chain. 301,699, 6-20-89, Cl. D11-13.000.

Marks, Joel S., to Goldmar Manufacturing Co. Hand-powered motorless driver. 303,204, 9-5-89, Cl. D8-51.000.

Marks, Robert J., to California Optical Leather, Inc. End flap spectacle case. 299,683, 2-7-89, Cl. D3-34.000.

Marks, Robert J., to California Optical Leather, Inc. Top flap spectacle case. 300,688, 4-18-89, Cl. D3-34.000.

Marks, Robert J., to California Optical Leather, Inc. Open end spectacle case. 300,985, 5-9-89, Cl. D3-34.000.

Marks, Robert J., to California Optical Leather, Inc. End flap spectacle case. 301,085, 5-16-89, Cl. D3-34.000.

Markson, Richard, to Advertising Display Company. Frame for holding linoleum sample. 300,186, 3-14-89, Cl. D6-300.000.

Markus, Isidoro N. Modular office work station. 303,881, 10-10-89, Cl. D6-421.000.

Marlow, Nicholas S.; and Gruenbaum, Witold, to Fabriques de Tabac Reunies. S.A. Pack for cigarettes. 303,722, 9-26-89, Cl. D27-189.000.

Marmon Group, Inc., The: *See—*
  Foster, Matthew R., 301,624, Cl. D25-123.000.

Marotta, Vincent G. Brewer for coffee or tea. 299,900, 2-21-89, Cl. D7-309.000.

Marpac Industries, Inc.: *See—*
  Gendron, Gary E., 303,087, Cl. D9-378.000.

Marquez, Juanita: *See—*
  Marquez, Stephan A.; and Marquez, Juanita, 302,749, Cl. D29-11.000.

Marquez, Stephan A.; and Marquez, Juanita. Combined child's vest and harness. 302,749, 8-8-89, Cl. D29-11.000.

Marrella, John J.: *See—*
  Larson, Kenneth W.; and Marrella, John J., 303,374, Cl. D14-100.000.

Marrinan, Robert F., to D.L. Auld Company, The. Automobile lock scratch guard. 302,517, 8-1-89, Cl. D8-350.000.

Mars G.B. Limited: *See—*
  Jennings, Mark F.; Woodhall, Michael B.; and Gander, Terence W., 303,060, Cl. D7-309.000.

Mars Incorporated: *See—*
  Thompson, Trevor, 299,923, Cl. D14-106.000.

Marshall, David J., to Spotless Plastics Pty. Ltd. Garment hanger. 301,808, 6-27-89, Cl. D6-326.000.

Marshall, David J., to Spotless Plastics Pty. Ltd. Garment hanger. 303,325, 9-12-89, Cl. D6-319.000.

Marshall, David L.: *See—*
  Nemec, Edward M.; Hossom, Miles G.; and Marshall, David L., 300,463, Cl. D24-17.000.

Marshbanks, Cheryl, to Marshbanks, Inc. Electric candle. 299,556, 1-24-89, Cl. D26-96.000.

Marshbanks, Inc.: *See—*
  Marshbanks, Cheryl, 299,556, Cl. D26-96.000.

Martens, Keith R. Protective shield for telephone handset. 300,629, 4-11-89, Cl. D14-250.000.

Martensson, Nils E. V.; Harrup, Anthony B.; Powell, Mark; Wilkins, Roger; Major, Ron; Harrison, Chris M.; Homan, Andrew; and Baldry, Francis, to Technophone Limited of Ashwood House. Handset radio telephone. 299,719, 2-7-89, Cl. D14-138.000.

Martensson, Nils E. V.; Harrison, Peter D.; Perry, David C.; New, John H.; Major, Ron; Dolwin, Craig; and Cant, Malcolm C., to Technophone Limited. Portable radio/telephone instrument. 302,423, 7-25-89, Cl. D14-138.000.

Martin, Frank J.; Hartman, Murray; and Saunders, Randy, to Schlumberger Canada Limited. Name plate. 299,254, 1-3-89, Cl. D20-42.000.

Martin, Jeffery G., to Frabill, Inc. Minnow bucket. 299,378, 1-10-89, Cl. D22-136.000.

Martin, John K. Railway crossing insert. 301,435, 6-6-89, Cl. D12-49.000.

Martin, John K. Rail insulator. 302,409, 7-25-89, Cl. D12-51.000.

Martin, John S., to Engineering Patents & Equipment Ltd. Life jacket inflation unit. 300,172, 3-7-89, Cl. D23-235.000.

Martin-Logan, Ltd.: *See—*
  Sanders, Gayle M., 302,979, Cl. D14-214.000.

Martin, Randall W.: *See—*
  Cranston, William V., III; Martin, Randall W.; and Young, Mark A., 303,958, Cl. D14-114.000.
  Cranston, William V., III; Martin, Randall W.; Small, Mark S.; and Young, Mark A., 304,178, Cl. D14-109.000.
  Cranston, William V., III; Martin, Randall W.; and Young, Mark A., 304,323, Cl. D13-12.000.
  Foy, Hunter T.; and Martin, Randall W., 299,345, Cl. D14-102.000.

Martin, Thomas E. Clock. 300,806, 4-25-89, Cl. D10-6.000.

Martindale, David L.: *See—*
  Fisher, Randall E.; Martindale, David L.; and Nichols, Joseph H., 301,915, Cl. D23-233.000.
  Fisher, Randall E.; Martindale, David L.; and Nichols, Joseph H., 301,916, Cl. D23-233.000.

Martinelli, Lawrence R., to USG Corporation. Decorative sliding door. 299,755, 2-7-89, Cl. D25-48.000.

Maruman Golf Kabushiki Kaisha: *See—*
  Kobayashi, Masashi, 300,547, Cl. D21-220.000.

Maruyama, Koji; Shibata, Hisao; and Temma, Tsugio, to Casio Computer Co., Ltd. Printer for electronic computer. 303,123, 8-29-89, Cl. D18-13.000.

Maruyama, Takashi; and Shimada, Masahiro, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,816, 2-14-89, Cl. D12-110.000.

Maruzen Sewing Machine Co., Ltd.: *See—*
  Aono, Tetsuya; and Shibayama, Ichirou, 303,117, Cl. D15-70.000.
  Yoneda, Yoshihide, 300,543, Cl. D15-70.000.

Marvin Glass & Associates: *See—*
  Morrison, Howard J.; and Bullock, Brian P., 301,577, Cl. D14-53.000.

Marx, Ralph H. Finger sling for dynamic splinting of the hand. 299,272, 1-3-89, Cl. D24-64.000.

Marzari, Robert L.: *See—*
  Kessler, Max J.; Marzari, Robert L.; Rogers, Meyric K.; and Southard, Robert K., 303,359, Cl. D10-46.000.

Masaaki, Iino, to Kabushiki Kaisha Toshiba. Telephone. 305,025, 12-12-89, Cl. D14-151.000.

Masaki, Nobuo, to Canon Kabushiki Kaisha. Electrophotographic copier. 299,928, 2-21-89, Cl. D18-37.000.

Masarotti, Giovanni, to CABAS S.p.A. Chair. 303,327, 9-12-89, Cl. D6-334.000.

Masatsugu, Shigeki: *See—*
  Nishiyama, Takanori; Masatsugu, Shigeki; Suso, Kouji; and Ichikiawa, Yukinobu, 305,032, Cl. D16-202.000.

Masci, Roberto, to Fendi Paola & S.lle S.A.A. Fur pelt for apparel or the like. 305,175, 12-26-89, Cl. D2-25.000.

Masco Building Products Corp.: *See—*
  McCaa, Eugene, 301,831, Cl. D8-347.000.
  Yamashita, Yukio, 301,302, Cl. D8-347.000.

Masco Corporation of Indiana: *See—*
  Hill, Charles P., 302,387, Cl. D9-415.000.
  Spangler, Anthony G., 300,239, Cl. D23-252.000.

Mason, Edgar G., to Marine Lobster Farms Ltd. Tray for holding aquatic organisms or the like. 304,870, 11-28-89, Cl. D30-115.000.

Mason Hayes, Peggy. Adjustable pillow. 304,657, 11-21-89, Cl. D6-598.000.

Mason, Jean C., to Casablanca Fan Company, Inc. Lamp. 302,333, 7-18-89, Cl. D26-110.000.

Mason, Jean C., to Casablanca Fan Company, Inc. Light fixture for a ceiling fan. 303,435, 9-12-89, Cl. D26-86.000.

Mason, Jean C., to Casablanca Fan Company, Inc. Lighting fixture. 303,437, 9-12-89, Cl. D26-86.000.

Mason, John R. Telephone craftsman test set. 302,679, 8-8-89, Cl. D14-138.000.

Mason, Stanley I., Jr., to A/S Norconserv Products. Folding package. 300,510, 4-4-89, Cl. D9-310.000.

Mastandrea, Frank A. Support for tomato plants or the like. 303.610, 9-26-89, Cl. D8-1.000.

Master Link Marketing Inc.: *See—*
  Campbell, Terry A., 304,533, Cl. D6-469.000.

Masterson, James J.: *See—*
  Giacona, Louis J.; Masterson, James J.; and Monsky, Cynthia L., 302,706, Cl. D21-31.000.

Mastropierro, Daniel. Combined pacifier cover and retainer. 299,534, 1-24-89, Cl. D24-45.000.

Masuda, Hidenori: *See—*
  Himuro, Yasuo; and Masuda, Hidenori, 303,944, Cl. D12-146.000.
  Tsuda, Toru; Motomura, Kenichi; and Masuda, Hidenori, 301,133, Cl. D12-145.000.

Masuda, Masaru, to Road Runner Co., Ltd. Combined vehicle rear view mirror and television. 299,491, 1-24-89, Cl. D12-188.000.

Masuda, Teruo; Yamaguchi, Kazuyuki; and Ito, Kazuhiko, to France Bed Co., Ltd. Table top for massaging and chiropractic therapy. 301,612, 6-13-89, Cl. D24-3.000.

Masuda, Toru; and Ichitsuoo, Norio, to Hosiden Electronics Co., Ltd. Cassette holder for use in a computer. 305,117, 12-19-89, Cl. D14-114.000.

Masuda, Yoshinori, to Kabushiki Kaisha Murakoshi Seiko. Hinge. 304,012, 10-17-89, Cl. D8-323.000.

Math Associates, Inc.: *See—*
  Math, Irwin, 305,230, Cl. D14-124.000.

Math, Irwin, to Math Associates, Inc. Fiber optic video transmitter and receiver. 305,230, 12-26-89, Cl. D14-124.000.

Mathews, Bearl D. Belt pad. 301,084, 5-16-89, Cl. D2-639.000.

Mathiesen, Viggo: *See—*
  Messenger, Jack; and Mathiesen, Viggo, 302,018, Cl. D15-147.000.

Mathis, Joanne G. Brassiere. 300,880, 5-2-89, Cl. D2-24.000.

Mathis, Joanne G. Brassiere. 300,980, 5-9-89, Cl. D2-24.000.

Mathison, Allen D., to Cherne Industries, Inc. Expansible sealing plug for pipelines and the like. 300,350, 3-21-89, Cl. D23-260.000.

Matkovich, Vlado I., to Pall Corporation. Microtitre plate. 302,207, 7-11-89, Cl. D24-31.000.

Matoba, Hisayoshi: *See—*
  Ichihara, Masuo; Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Kido, Katsutoshi, 305,087, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Ichihara, Masuo; Matoba, Hisayoshi; and Mizuma, Kensuke, 300,898, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Mizuma, Kensuke; Ichihara, Masuo; and Matoba, Hisayoshi, 302,226, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, 305,088, Cl. D7-351.000.
  Kubo, Masayoshi; Mizuma, Kensuke; Kido, Katsutoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 302,227, Cl. D7-351.000.
  Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, 304,150, Cl. D7-351.000.
  Mizuma, Kensuke; Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; and Matoba, Hisayoshi, 302,372, Cl. D7-351.000.
  Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 304,148, Cl. D7-351.000.

Matoba, Keiko: *See—*
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Matre, Daniel A.: *See—*
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Matsuda, Hari; and Hui, John, to Whistler Corporation. Radar detector. 299,591, 1-31-89, Cl. D10-104.000.

Matsuda, Hari, to Multivision Products, Inc. Hand-held remote control. 301,037, 5-9-89, Cl. D14-218.000.

Matsuda, Hari; and Hui, John T., to Cyborg Systems, Inc. Housing for time keeping device. 301,311, 5-30-89, Cl. D10-41.000.

Matsuda, Hari: *See—*
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  Nakao, Shinroku; Ishii, Yoshiyasu; and Matsuda, Hiroaki 305,218, Cl. D12-129.000.

Matsuda, Takashi, to Takara Co., Ltd. Reconfigurable toy cassette. 301,353, 5-30-89, Cl. D21-150.000.

Matsuda, Takashi, to Takara Co., Ltd. Reconfigurable toy cassette. 301,354, 5-30-89, Cl. D21-150.000.

Matsuda, Takashi, to Takara Co., Ltd. Reconfigurable tank and jet assembly toy. 303,411, 9-12-89, Cl. D21-150.000.

Matsuda, Takashi, to Takara Co., Ltd. Reconfigurable toy jeep/-helicopter. 303,412, 9-12-89, Cl. D21-150.000.

Matsue, Yukihiko. Four-wheeled motorcycle. 299,630, 1-31-89, Cl. D12-107.000.

Matsui, Kaori, to Tomy Kogyo Co., Inc. Manipulative water game. 300,753, 4-18-89, Cl. D21-59.000.

Matsumoto, Akihiko, to Shimano Industrial Company Limited. Combined grip and rod section of a jointed fishing rod. 303,701, 9-26-89, Cl. D22-142.000.

Matsumoto, Kazumi; and Asami, Asayoshi, to Tomy Kogyo Co., Inc. Soccer game housing. 303,684, 9-26-89, Cl. D21-11.000.

Matsumoto, Kuniyasu: *See—*
  Shiozawa, Hajime; Kimata, Ken; Fukuda, Kouki; Matsumoto, Kuniyasu; and Koyama, Keiichi, 303,[illegible]23, Cl. D14-106.000.

Matsumoto, Susumu: *See—*
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  Nakao, Shinroku; Ishii, Yoshiyasu; and Matsumoto, Susumu, 303,459, Cl. D6-333.000.

Matsumoto, Toshiyuki: *See—*
  Takahashi, Seigo; Matsumoto, Toshiyuki; and Ishida, Kazuya, 300,009, Cl. D10-73.000.

Matsumura, Sadahiko, to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,441, 6-6-89, Cl. D12-145.000.

Matsumura, Sadahiko, to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,854, 6-27-89, Cl. D12-147.000.

Matsumura, Takeshi: *See—*
  Sangen, Masashi; Nakamura, Naoyuki; and Matsumura, Takeshi, 302,733, Cl. D26-3.000.

Matsuoka, Fumiya; and Hasegawa, Takeshi, to Canon Kabushiki Kaisha. Desk-top electronic calculator. 303,982, 10-10-89, Cl. D18-7.000.

Matsushima, Hiroshi, and Nagashima, Mitsukatsu, to Pioneer Electronic Corporation. Speaker. 302,430, 7-25-89, Cl. D14-214.000.

Matsushima, Takashi, to Sharp Kabushiki Kaisha. Clock radio. 304,453, 11-7-89, Cl. D14-170.000.

Matsushita Electric Industrial Co., Ltd.: *See—*
  Hirano, Yukio, 303,170, Cl. D32-18.000.
  Ichihara, Masuo; Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Kido, Katsutoshi, 305,087, Cl. D7-351.000.
  Kagayama, Katsuji; Mishiro, Benito; and Nishimura, Ikuo, 300.637, Cl. D15-199.000.
  Kagayama, Katsuji; Mishiro, Benito; and Nishimura, Ikuo, 301,151, Cl. D15-199.000.
  Kagayama, Katsuji; Mishiro, Benito; and Nishimura, Ikuo, 302,824, Cl. D15-199.000.
  Kagayama, Katsuji; Sugiyama, Yoshihiko; and Mishiro, Benito, 304,181, Cl. D14-116.000.
  Kagayama, Katsuji; Mishiro, Benito; Sugiyama, Yoshihiko; and Nishimura, Ikuo, 304,327, Cl. D14-100.000.
  Kagayama, Katsuji; Mishiro, Benito; and Sugiyama, Yoshihiko, 304,451, Cl. D14-115.000.
  Kawata, Yoshiaki; Nishiyori, Hiroaki; Akita, Tsugio; Fujii, Mitsunari; and Yasuno, Hiroshi, 303,257, Cl. D14-126.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Ichihara, Masuo; Matoba, Hisayoshi; and Mizuma, Kensuke, 300,898, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Mizuma, Kensuke; Ichihara, Masuo; and Matoba, Hisayoshi, 302,226, Cl. D7-351.000.
  Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, 305,088, Cl. D7-351.000.
  Kizawa, Toshiaki; Sato, Koichi; Hayakawa, Hayashi; and Kano, Yuji, 302,005, Cl. D13-8.000.
  Kubo, Masayoshi; Mizuma, Kensuke; Kido, Katsutoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 302,227, Cl. D7-351.000.
  Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, 304,150, Cl. D7-351.000.
  Makino, Katsuhiko; Akita, Tsugio; Fujii, Mitsunari; Nishiyori, Hiroaki; Uematsu, Toyoyuki; Kawata, Yoshiaki; and Yasuno, Hiroshi, 300,633, Cl. D14-131.000.
  Miyamoto, Isshin; Nagamatsu, Yasuo; Tanaka, Yasuhiko; Sakamoto, Masaharu; Hidaka, Masataka; Sakamoto, Hideaki; and Ishida, Kazuo, 303,173, Cl. D32-22.000.
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  Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 304,148, Cl. D7-351.000.
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  Nishiyama, Kenji; Takahashi, Hanji; and Itakura, Yoshitomo, 303,796, Cl. D14-121.000.
  Nishiyama, Kenji; Takahashi, Hanji; and Itakura, Yoshitomo, 304,031, Cl. D14-121.000.
  Ohta, Fumiharu; Tamura, Masao; and Hung, Chuan Ming, 299,644, Cl. D14-149.000.
  Ohta, Fumiharu; Tamura, Masao; and Watanabe, Satoshi, 299,645, Cl. D14-149.000.
  Ohta, Fumiharu; and Watanabe, Satoshi, 302,154, Cl. D14-138.000.
  Ohta, Fumiharu; and Takenaka, Kazumasa, 303,390, Cl. D14-151.000.
  Ohta, Fumiharu; and Tamura, Masao, 303,665, Cl. D14-142.000.
  Sangen, Masashi; Nakamura, Naoyuki; and Matsumura, Takeshi, 302,733, Cl. D26-3.000.
  Ueda, Yoshiaki; Toyoda, Hiroshi; Mano, Kazunori; Tsuruha, Toshiaki; and Kanza, Akinobu, 300,598, Cl. D7-360.000.
  Yamagiwa, Kazuhiko; and Nakamoto, Sakae, 303,660, Cl. D14-107.000.

- Yoshiaki, Ueda; and Kazunori, Mano, 303,903, Cl. D7-309.000.

Matsushita Electric Industries, Co., Ltd.: *See—*
- Kurosu, Teisuke; Ohta, Fumiharu; Takenaka, Kazumasa; Tamura, Masao; Ming, Hung C.; and Watanabe, Satoshi, 299,228, Cl. D14-141.000.

Matsushita Electric Works, Ltd.: *See—*
- Iwai, Yonosuke; and Yonesawa, Kazuyoshi, 302,740, Cl. D28-49.000.
- Yamamoto, Shinji; and Nomura, Masashi, 304,865, Cl. D28-49.000.
- Yonesawa, Kazuyoshi; and Iwai, Yonosuke, 301,496, Cl. D8-68.000.
- Yonesawa, Kazuyoshi; Ichikawa, Kuniharu; and Mochida, Taro, 301,617, Cl. D24-41.000.
- Yonesawa, Kazuyoshi, 304,627, Cl. D28-53.000.
- Yonesawa, Kazuyoshi; Iwai, Yonosuke; and Seiffert, Florian, 304,774, Cl. D28-49.000.
- Yonezawa, Kazuyoshi; and Seiffert, Florian, 304,866, Cl. D28-49.000.

Matsushita Electronics Corporation: *See—*
- Sangen, Masashi; and Nakamura, Naoyuki, 303,297, Cl. D26-3.000.

Matsushita Graphic Communication Systems, Inc.: *See—*
- Fujiyama, Yoshiyuki, Ogawara, Sumio; Chiku, Akira; Kumano, Toshihiro; and Okiyama, Yoshitatsu, 304,579, Cl. D14-118.000.
- Hosogai, Hideyuki; and Morihiro, Junji, 304,450, Cl. D14-118.000.

Matsuzaki, Shuichi; and Nakazawa, Akira, to Hirose Electric Co., Ltd. Multiple receptacle electrical connector. 300,424, 3-28-89, Cl. D13-24.000.

Matsuzaki, Shuichi; and Nakazawa, Akira, to Hirose Electric Co., Ltd. Multiple receptacle electrical connector 303,109, 8-29-89, Cl. D13-24.000.

Matsuzaki, Shuichi, to Hirose Electric Co., Ltd. Electrical connector plug. 304,027, 10-17-89, Cl. D13-24.000.

Matsuzaki, Shuichi, to Hirose Electric Co., Ltd. Electrical connector plug. 304,028, 10-17-89, Cl. D13-24.000.

Matsuzaki, Shuichi, to Hirose Electric Co., Ltd. Electrical connector plug. 304,029, 10-17-89, Cl. D13-24.000.

Mattei, Maurizio, to Fratelli Guzzini S.p.A. Combined tray and bowl. 304,658, 11-21-89, Cl. D7-3.000.

Matthews, Hattie K. Braided dress. 303,174, 9-5-89, Cl. D2-49.000.

Matthews, James J., to Ripley Company, Inc. Cable stripper. 301,970, 7-4-89, Cl. D8-98.000.

Matthies, Bruce J., to Shur-Line, Inc. Lid opener for plastic pail. 304,992, 12-12-89, Cl. D8-40.000.

Mattox, Connie. Protective facial mask. 304,869, 11-28-89, Cl. D29-8.000.

Mattson, Jeanette; and Unger, Steve A., to Syracuse China Corporation. Decalcomania for china dinnerware or similar articles. 300,196, 3-14-89, Cl. D7-39.000.

Matushita Electric Industrial Co., Ltd.: *See—*
- Nishiyori, Hiroaki; and Tsubaki, Hiroyuki, 305,024, Cl. D14-131.000.

Matwijcow, John J. Sports motif bracelet. 300,125, 3-7-89, Cl. D11-6.000.

Mauch, Jeffrey T., to General Electric Company. Front cover for a microphone. 300,924, 5-2-89, Cl. D14-225.000.

Mauch, Jeffrey T., to General Electric Company. Portable two-way radio. 302,978, 8-22-89, Cl. D14-137.000.

Mauk, Mitchell, to Artemide S.P.A. Wall lamp. 302,480, 7-25-89, Cl. D26-87.000.

Maurer, Ingo. Hanging lamp. 300,875, 4-25-89, Cl. D26-85.000.

Mauro, Nicholas F. Motorized copy holder and line scanner. 299,931, 2-21-89, Cl. D19-91.000.

Maxcom Electronics, Inc.: *See—*
- Vickers, Michael W.; and Stubbs, David W., 302,810, Cl. D14-191.000.

Maxwell, Mitchell G., to Maywell R & D. Combined lid and implement holder. 301,105, 5-16-89, Cl. D7-73.000.

Maxwell. Rodger D. Envelope for computer diskette. 299,888, 2-21-89, Cl. D3-35.000.

May, Bill D. Flush mounted chock. 302,970, 8-22-89, Cl. D12-317.000.

May, Richard: *See—*
- Jacobs, Andre ; May, Richard; Vandebroek, Marcel; and Sporen, Frieda, 300,005, Cl. D9-370.000.

Mayo, Noel; Spira, Joel S.; and Tang, Raphael K. T., to Lutron Electronics Co., Inc. Transmitter for wireless light switching system. 302,543, 8-1-89, Cl. D13-32.000.

Mayo, Noel; Spira, Joel S.; and Tang, Raphael K. T., to Lutron Electronics Co., Inc. Transmitter for wireless light dimmer system. 303,657, 9-26-89, Cl. D13-32.000.

Mayo, Noel: *See—*
- Spira, Joel S.; Mayo, Noel; and Tang, Raphael K. T., 303,658, Cl. D13-32.000.

Mayo, Steven A.: *See—*
- Weinerman, Lee S.; and Mayo, Steven A., 303,351, Cl. D8-344.000.
- Weinerman, Lee S.; and Mayo, Steven A., 303,754, Cl. D8-344.000.

Mayr, Paul G.: *See—*
- Best, Melvin H. M.; Allemann, James G.; and Mayr, Paul G., 303,283, Cl. D23-216.000.

Mays, David W. Toiletry kit. 304,262, 10-31-89, Cl. D3-39.000.

Maytag Corporation: *See—*
- Beach, Stanley H.; and Schmidt, Wallace E., 303,604, Cl. D7-346.000.
- Bergeson, Richard P., 300,969, Cl. D32-26.000.
- Davis, Gregg M.; Kolada, Paul P.; and Teufel, Rainer B., 303,605, Cl. D7-346.000.

Mayuzumi, Masaki, to Tomy Kogyo Co., Inc. Toy manipulator. 300,752, 4-18-89, Cl. D21-59.000.

Maywell R & D: *See—*
- Maxwell, Mitchell G., 301,105, Cl. D7-[illegible].000.

Mayzels, Leon: *See—*
- Fish, Aaron M.; Mayzels, Leon; and Gosselin, Brian, 299,905, Cl. D8-331.000.

Mazzanti, Vincent E. Muzzle attachment for guns. 300,763, 4-18-89, Cl. D22-108.000.

Mazzocco, Leonard J., to Quaker Oats Company, The. Toy gasoline station. 303,407, 9-12-89, Cl. D21-118.000.

MB Group plc: *See—*
- Ball, Martin F., 300,607, Cl. D9-438.000.
- Taylor, Joseph S.; and Pavely, Andrew P., 300,608, Cl. D9-438.000.

MC Kesson Corporation: *See—*
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, 300,896, Cl. D7-51.000.

McAlister, Gary B.; Dawes, David H.; and Sullivan, William J., to Sherwood Medical Company. Cap for a syringe or similar article. 302,206, 7-11-89, Cl. D24-25.000.

McAllister, John S.: *See—*
- McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., 304,105, Cl. D32-21.000.

McAllister, Tom A.; McAllister, John S.; and Bonnar, William R., to American Home Products Corporation. Spray-type, vacuum cleaner. 304,105, 10-17-89, Cl. D32-21.000.

McAlpine & Company Limited: *See—*
- McAlpine, James E., 299,441, Cl. D11-152.000.

McAlpine, James E., to McAlpine & Company Limited. Plant pot and base combination. 299,441, 1-17-89, Cl. D11-152.000.

McCaa, Eugene, to Masco Building Products Corp. Key for door locks. 301,831, 6-27-89, Cl. D8-347.000.

McCallister, William. Multiple liquid container. 301,546, 6-13-89, Cl. D9-341.000.

McCarroll, Clark. Combination coffee measuring scoop and rubber nipple. 304,537, 11-14-89, Cl. D7-50.000.

McCarron, Philip F.: *See—*
- Lyall, Gordon M.; and McCarron, Philip F., 304,119, Cl. D34-33.000.
- Lyall, Gordon M.; and McCarron, Philip F., 304,254, Cl. D34-33.000.

McCarthy, Alfred F., to Aavid Engineering, Inc. Plastic solderable-pinned mount for an electronic device. 303,755, 10-3-89, Cl. D8-349.000.

McCarthy, Alfred F., to Aavid Engineering, Inc. Spring-clip heat sink for a pair of electronic devices. 303,786, 10-3-89, Cl. D13-23.000.

McCarthy, Alfred F., to Aavid Engineering, Inc. Heat-sink cover for leadless electronic chip-carrier sockets. 303,951, 10-10-89, Cl. D13-23.000.

McCarthy, Alfred F., to Aavid Engineering, Inc. Solderable mount for an electronic device. 304,293, 10-31-89, Cl. D8-349.000.

McCarthy, Timothy D.: *See—*
- Arenas, Robert M.; McCarthy, Timothy D.; and Wayland, Robert E., 302,540, Cl. D12-155.000.

McCarville, Steven J. Trash bag retaining and transporting cart. 304,631, 11-14-89, Cl. D34-5.000.

McClain, Kevin T.: *See—*
- Beaton, Larry G.; McClain, Kevin T.; Vitello, Jonathan J.; Wetzel, Timothy D.; and Williams, Roger C., 304,179, Cl. D14-113.000.

McClellan, Bingham A., to McClellan Industries, Inc. Battery-powered sharpener for fish hooks or the like. 303,757, 10-3-89, Cl. D8-91.000.

McClellan Industries, Inc.: *See—*
- McClellan, Bingham A., 303,757, Cl. D8-91.000.

McClellan, Jack A. Coaster. 302,570, 8-1-89, Cl. D21-76.000.

McCloskey, Glenn. Gurney auxiliary equipment tray. 304,759, 11-21-89, Cl. D24-7.000.

McClung, Jack P.; and Schell, Charles T. Bottle stopper remover. 301,197, 5-23-89, Cl. D8-33.000.

McClure, Jeffrey: *See—*
- Tamas, Tibor; and McClure, Jeffrey, 303,000, Cl. D22-110.000.

McConnell, Theo, Jr. Earring. 304,433, 11-7-89, Cl. D11-78.000.

McCormick, Janet G., to Nail Concepts, Inc. Fingernail form. 300,267, 3-14-89, Cl. D28-56.000.

McCrea, Mona, to AVIA Group International, Inc. Element of a shoe upper. 299,184, 1-3-89, Cl. D2-314.000.

McCrea, Mona; Ludemann, John; and Peterson, Robert, to AVIA Group International, Inc. Shoe upper. 299,582, 1-31-89, Cl. D2-314.000.

McCrea, Mona, to Avia Group International, Inc. Shoe sole. 301,801, 6-27-89, Cl. D2-320.000.

McCrea, Mona: *See—*
- Kelley, Brenda C.; and McCrea, Mona, 303,039, Cl. D2-320.000.
- Mourad, Miza; and McCrea, Mona, 302,485, Cl. D2-314.000.

McCready, Karen. Lipstick case. 303,301, 9-5-89, Cl. D28-85.000.

McCready, Karen E., to Elleance Ltd. Lipstick case. 301,772, 6-20-89, Cl. D28-85.000.

McCready, Karen E. Lipstick case. 303,164, 8-29-89, Cl. D28-85.000.

McCready, Karen E. Lipstick case. 303,165, 8-29-89, Cl. D28-85.000.

McCready, Karen E. Lipstick case. 303,302, 9-5-89, Cl. D28-85.000.

McCredie, Donald B. Swim fin. 302,999, 8-22-89, Cl. D21-239.000.

McCrory, Phillip A. Permanent wave tissue dispenser. 300,892, 5-2-89, Cl. D6-518.000.

McCue, Sam V. Wedge clamp housing for a downrigger fishing assembly. 304,013, 10-17-89, Cl. D8-396.000.

McCune, Grant: *See—*
- Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,257, Cl. D21-84.000.
- Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,347, Cl. D21-84.000.

McDonald, Jimmy D. Clamp for automobile window repair. 305,094, 12-19-89, Cl. D8-72.000.

McDonnell, Thomas. Combined snow pushing tool and sled. 301,111, 5-16-89, Cl. D8-10.000.

McDougall, Gary L.: *See—*
- Katai, Dwaine S.; Reeve, Brian G.; Ferguson, Charles E.; Thomas, Carl W.; and McDougall, Gary L., 300,031, Cl. D14-102.000.

McDuffie, Doris. Basket. 300,078, 2-28-89, Cl. D34-43.000.

McElhaney, Craig J., to Quaker Oats Company, The. Toy saucepan. 299,837, 2-14-89, Cl. D21-109.000.

McElhaney, Craig J., to Quaker Oats Company, The. Toy frying pan. 299,838, 2-14-89, Cl. D21-109.000.

McElhaney, Craig J., to Quaker Oats Company, The. Floating water toy. 303,129, 8-29-89, Cl. D21-119.000.

McEntee, Theresa D. Bunting bag. 304,256, 10-31-89, Cl. D2-25.000.

McFarlane, Richard H., to Taut, Inc. Flashback structure for a catheter having a transparent cover. 304,079, 10-17-89, Cl. D24-54.000.

McGarvey, John N.: *See—*
- Andrews, Arlan K., Sr.; McGarvey, John N.; and Zambelli, Michael P., 303,638, Cl. D10-106.000.
- Danielson, David C.; Hart, Norman K.; Koh, Lynnet; McGarvey, John N.; and Mills, Eugene A., 303,114, Cl. D14-142.000.
- Danielson, David C.; Hartmann, James J.; McGarvey, John N.; Tilley, Alvin R.; and Wuerz, John M., 304,587, Cl. D14-244.000.

McGary, Charles A. Doll. 299,937, 2-21-89, Cl. D21-166.000.

McGinty, Robert D.: *See—*
- Clemens, Kevin F.; and McGinty, Robert D., 300,016, Cl. D12-147.000.

McGourty, Lawrence F.: *See—*
- McGourty, Thomas K.; and McGourty, Lawrence F., 302,788, Cl. D8-343.000.

McGourty, Thomas K.; and McGourty, Lawrence F. Push button lock module for attachment to a door knob. 302,788, 8-15-89, Cl. D8-343.000.

McGovern, Lore H.; and Moore, Alix A., to Aplex Corporation. Feminine urinary conduit. 302,042, 7-4-89, Cl. D24-54.000.

McGrane, Eugene W., to Homac Mfg. Company. Transformer connector. 302,420, 7-25-89, Cl. D13-24.000.

McGrew, M. Allen: *See—*
- Duran, David C.; Casey, John P.; Marion, James G.; and McGrew, M. Allen, 302,612, Cl. D32-4.000.

McHugh, Mary G. Simulative balloon. 304,602, 11-14-89, Cl. D21-84.000.

McIlhinney, Marybeth A. Camouflage fabric. 301,289, 5-30-89, Cl. D5-62.000.

McIlhinney, Marybeth A., to New Happenin, Ltd. Camouflage fabric. 301,803, 6-27-89, Cl. D5-62.000.

McIlhinney, Marybeth A., to New Happenin, Ltd. Camouflage fabric. 301,804, 6-27-89, Cl. D5-62.000.

McIlhinney, Marybeth A. Camouflage fabric. 301,805, 6-27-89, Cl. D5-62.000.

McIntosh, David S., to General Motors Corporation. Wheel cover. 301,865, 6-27-89, Cl. D12-209.000.

McIntyre, Donald R.; and Miles, James E., to Isotechnologies, Inc. Low back exerciser. 304,964, 12-5-89, Cl. D21-195.000.

McIntyre, John: *See—*
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, 300,896, Cl. D7-51.000.
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, 302,525, Cl. D9-399.000.

McJunkin, Claude L. Combined golf club and ball display stand. 304,788, 11-28-89, Cl. D6-467.000.

McKay, Donald D., Jr. Toy bear. 304,605, 11-14-89, Cl. D21-159.000.

McKee, John M.: *See—*
- Scheid, William J.; McKee, John M.; Kurcbart, Robert; Ranalletta, Joseph V.; Benyo, John R.; and Toth, Richard J., 303,969, Cl. D14-191.000.

McKee, Loyle R. Toilet paper roll holder for toilet tank attachment. 304,651, 11-21-89, Cl. D6-520.000.

McKee, Sheila S.: *See—*
- Powers, Frederick A.; Pyle, Arlon R.; and McKee, Sheila S., 302,557, Cl. D15-7.000.

McKeever, Michael D. Combined terrarium and aquarium. 301,775, 6-20-89, Cl. D30-104.000.

McKenna, Gene, to Baker & Drake, Inc. Housing for a taxi cab call box or similar article. 302,554, 8-1-89, Cl. D14-143.000.

McKeon, James P., to Kelsey Hayes Company. Vehicle wheel center. 302,003, 7-4-89, Cl. D12-211.000.

McKeon, James P., to Kelsey-Hayes Company. Vehicle wheel center. 302,418, 7-25-89, Cl. D12-211.000.

McKeon, James P., to Kelsey-Hayes Company. Vehicle wheel center. 302,419, 7-25-89, Cl. D12-211.000.

McKesson Corporation: *See—*
- Hagan, Richard J.; McIntyre, John; and Reeder, Kevin, 302,525, Cl. D9-399.000.

McKinnon, David C., to Chrysler Motors Corporation. Pickup truck quarter panel. 301,572, 6-13-89, Cl. D12-196.000.

McKinstry, Kimberly A., to L.A. Gear, Inc. For shoe upper. 305,077, 12-19-89, Cl. D2-314.000.

McLaughlin, Andrea: *See—*
- McLaughlin, Randal; and McLaughlin, Andrea, 301,260, Cl. D21-108.000.

McLaughlin, Charles R.; and Barclay, Rodney, to Itac Systems, Inc. Computer cursor control. 302,010, 7-4-89, Cl. D14-114.000.

McLaughlin, Randal; and McLaughlin, Andrea. Combined storage container and toy building block. 301,260, 5-23-89, Cl. D21-108.000.

McLinden, Thomas V.: *See—*
- Russell, Richard H.; and McLinden, Thomas V., 302,239, Cl. D8-366.000.
- Russell, Richard H.; and McLinden, Thomas V., 303,350, Cl. D8-343.000.

McMenamy, James P.; and Montferret, John J., to Becton, Dickinson and Company. Spinal needle or the like. 302,589, 8-1-89, Cl. D24-24.000.

McMenamy, James P.; and Montferret, John J., to Becton, Dickinson and Company. Biopsy needle or the like. 303,290, 9-5-89, Cl. D24-24.000.

McNally, Robert J.: *See—*
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- Ross, Robert M., Jr.; and McNally, Robert J., 304,247, Cl. D30-102.000.

McNamee, Joseph; and Tice, Richard P. Panel carrier. 302,234, 7-18-89, Cl. D8-71.000.

McNeely, Prentice J., to Clear Flow Co., Inc., The. Crib block for retaining walls. 300,863, 4-25-89, Cl. D25-113.000.

McNeely, Sandra E. Seat bag. 304,524, 11-14-89, Cl. D3-42.000.

McNeil, Ronald A. Exercise cycle. 299,370, 1-10-89, Cl. D21-194.000.

McNeil, Ronald A. Main beam for a rowing machine. 299,503, 1-24-89, Cl. D21-191.000.

McNeilab, Inc.: *See—*
- King, Martin J.; and Troutner, Vernon H., 299,953, Cl. D24-1.100.
- Troutner, Vernon H.; and King, Martin J., 299,531, Cl. D24-1.100.

McNutt, Paul B.: *See—*
- Giungo, John L.; Roseman, Keith; and McNutt, Paul B., 304,965, Cl. D21-213.000.

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- Somerset, John B., 301,004, Cl. D7-102.000.

McPherson's Limited: *See—*
- Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, 303,731, Cl. D3-102.000.
- Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, 303,921, Cl. D8-98.000.
- Tench, Wallace; Collins, Christopher; Petroff, Cvetan; and Bremmer, Gordon, 305,096, Cl. D8-99.000.

McShirley, Richard S. Pen clip. 300,833, 4-25-89, Cl. D19-46.000.

McVey, Kenneth. Lifting tool for the collection of pine cones and the like. 300,899, 5-2-89, Cl. D8-1.000.

McWilliams, Danny R., to Mega Games, Inc. Game board. 302,282, 7-18-89, Cl. D21-24.000.

MDM Products: *See—*
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MDT Corporation: *See—*
- Turner, Alexander; Lewis, Bradley W.; De Oliveira, Egidio L.; and Scoville, John R., 301,739, Cl. D24-26.000.

Mead Corporation, The: *See—*
- Oliff, James R., 304,017, Cl. D9-433.000.
- Rexroat, Mark D.; and Spence, Meredith, Jr., 302,698, Cl. D19-26.000.
- Rexroat, Mark D.; Spence, Meredith, Jr.; and Nerlinger, John J., 303,548, Cl. D19-27.000.
- Spence, Meredith, Jr., 303,050, Cl. D6-449.000.

Mead, Gary G., to Spartan Container Corp. Dispenser for packaging tape. 300,750, 4-18-89, Cl. D19-67.000.

Meade, Marilyn A., to Kitchen Quaterback Enterprises. Bib. 301,381, 6-6-89, Cl. D2-226.000.

Meade, Marilyn A., to Kitchen Quarterback Enterprises. Apron. 301,382, 6-6-89, Cl. D2-226.000.

Meck, Leslie A.: *See—*
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- Fayerman, Peter S.; and Meck, Leslie A., 299,398, Cl. D6-540.000.
- Fayerman, Peter S.; and Meck, Leslie A., 299,400, Cl. D6-572.000.
- Fayerman, Peter S.; and Meck, Leslie A., 299,604, Cl. D6-572.000.
- Fayerman, Peter S.; and Meck, Leslie A., 301,293, Cl. D6-540.000.
- Fayerman, Peter S.; and Meck, Leslie A., 303,333, Cl. D6-531.000.

Meda, Alberto; Raggi, Franco; Santachiara, Denys; Ravasio, Piercarlo; and Zanoletti, Franco, to Italtel Telematica S.p.A. Combined voice and data communication terminal. 303,522, 9-19-89, Cl. D14-101.000.

Medallion Plastics, Inc.: *See—*
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- Parrish, James M., 303,573, Cl. D24-54.000.

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- Milani, Dean L., 305,229, Cl. D14-114.000.

Medina, Christopher J. Whistle. 302,398, 7-25-89, Cl. D10-119.000.

Mednis, Juris M., to Universal Symetrics Corporation. Bottle. 303,085, 8-29-89, Cl. D9-376.000.

Mednis, Juris M., to Universal Symetrics Corporation. Bottle. 303,928, 10-10-89, Cl. D9-375.000.

Mednis, Juris M., to Universal Symetrics Corporation. Bottle. 304,805, 11-28-89, Cl. D9-376.000.

- Mednis, Juris M., to Universal Symetrics Corporation. Bottle. 304,806, 11-28-89, Cl. D9-376.000.
- Medugorac, Zlatan: *See—*
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- Mee Tung Manufacturing Company Limited: *See—*
  - Fan, Yung W., 304,604, Cl. D21-147.000.
- Meehan, Kermit E., to Mike Meehan Company, The. Merchandise cooler. 299,391, 1-17-89, Cl. D6-440.000.
- Meeker, Marlene F.; and Baynes, John M. Game board. 304,041, 10-17-89, Cl. D21-20.000.
- Mefina S.A.: *See—*
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  - Baruffa, Olindo, 300,746, Cl. D15-69.000.
- Mega Games, Inc.: *See—*
  - McWilliams, Danny R., 302,282, Cl. D21-24.000.
- Mehalick, Joseph. Refuse container cart. 304,111, 10-17-89, Cl. D34-18.000.
- Meheen, H. Joe. Retaining wall with tie-back elements. 300,250, 3-14-89, Cl. D25-58.000.
- Mehr, Fred E. Cement mixer. 299,722, 2-7-89, Cl. D15-19.000.
- Meier, Willis A. Underwater dynamoelectric machine. 304,322, 10-31-89, Cl. D13-3.000.
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  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 300,029, Cl. D14-241.000.
  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 303,801, Cl. D14-241.000.
  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 304,564, Cl. D14-151.000.
- Meitl, Martin L., to Suncast Corporation. Service cart. 303,308, 9-5-89, Cl. D34-21.000.
- Meldrum, Kent J. Mounting board for camera armband attachment. 301,395, 6-6-89, Cl. D3-100.000.
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- Melk, Thomas, to Outer Circle Products, Ltd. Attache case. 300,988, 5-9-89, Cl. D3-76.000.
- Melone, Robert A., to Interplex Electronics,Inc. Experimental electronics trainer. 304,957, 12-5-89, Cl. D19-62.000.
- Mendenhall, George A. Zig zag french fry slab cutter knife. 304,796, 11-28-89, Cl. D7-106.000.
- Mendenhall, Walter M. Flower display support or similar article. 303,054, 8-29-89, Cl. D6-553.000.
- Meng, Kenneth H. Ladder caddy. 304,084, 10-17-89, Cl. D25-68.000.
- Mepal B.V.: *See—*
  - Weernink, Johannes H., 304,138, Cl. D7-17.000.
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- Mercaz Haargazim Ltd.: *See—*
  - Shchamorov, Shlomo; and Schnapp, Aharon, 302,897, Cl. D34-40.000.
- Mercer, Loron W., to Acme Pattern & Model Works, Inc. Combination playhouse and picnic table. 302,198, 7-11-89, Cl. D21-245.000.
- Mercer, Loron W., to Acme Pattern & Model Works, Inc. Elevated playhouse. 303,280, 9-5-89, Cl. D21-245.000.
- Mercer, William B., to Abbott Laboratories. Pharmaceutical tablet or similar article. 300,879, 4-25-89, Cl. D28-2.000.
- Merck Patent Gesellschaft mit beschraenkter Haftung: *See—*
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- Merino, Dennis: *See—*
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- Merrell, Kenneth C., to ITT Corporation. Electromechanical pressure differential gauge/switch. 302,394, 7-25-89, Cl. D10-85.000.
- Merrill, Cerby E. Inflatable tent. 302,720, 8-8-89, Cl. D21-253.000.
- Mervis, Alex: *See—*
  - Berg, Mike; Balko, John; and Mervis, Alex, 299,490, Cl. D12-162.000.
- Merz, John G. Necktie case. 299,789, 2-14-89, Cl. D3-30.100.
- Meshulam, Maurice, to Klil Industries Ltd. Shaped bar for window frames. 300,564, 4-4-89, Cl. D25-119.000.
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- Mesnard, David R.; and Kalin, Horst W., to Dieterich Standard Corp. Pitot tube type flow measurement device with a crank-operated insert/retract mechanism. 302,397, 7-25-89, Cl. D10-96.000.
- Messa, Alessandro. Finger ring. 301,121, 5-16-89, Cl. D11-34.000.
- Messenger, Jack; and Mathiesen, Viggo. Placer mining sluice. 302,018, 7-4-89, Cl. D15-147.000.
- Messenger, Kenny R.: *See—*
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- Messenger, Ronald L.; and Messenger, Kenny R. Connector strain relieving back shell. 303,787, 10-3-89, Cl. D13-24.000.
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- Meyer, Just B., to Kembo B.V. Chair. 302,630, 8-8-89, Cl. D6-379.000.
- Meyer, Stephen T., to Deflecto Corporation. Magnetic-mount paper towel holder. 299,396, 1-17-89, Cl. D6-522.000.
- Meyer, Stephen T., to Deflecto Corporation. Magnetic-mount kitchen article holder. 301,101, 5-16-89, Cl. D6-567.000.
- Meyer, Walter E.; and Fleckenstein, John E., to Koehring Company. Printer stand. 300,147, 3-7-89, Cl. D18-23.000.
- Meyerovich, John; Yakubovich, Lev; Tearney, Gerald; and Galati Joseph. Waterfall pedicure station. 303,162, 8-29-89, Cl. D28-61.000
- Meyers, Kenneth A., to Gerber Products Company. Door stop 303,756, 10-3-89, Cl. D8-402.000.
- Meyers, Kenneth A., to Gerber Products Company. Humidifier 304,366, 10-31-89, Cl. D23-356.000.
- Meyers, Wayne E. Display cabinet for fireplace simulation burner unit 300,094, 3-7-89, Cl. D6-450.000.
- Meyers, Wayne E., to Raphael Investments. Cabinet for a fireplace simulation burner unit. 301,735, 6-20-89, Cl. D23-345.000.
- Mezzanotte, Mario, to Pirelli Coordinamento Pneumatici S.p.A. Tire 304,560, 11-14-89, Cl. D12-146.000.
- Micallef, Alfred M., to JMK International, Inc. Aircraft engine cover 303,784, 10-3-89, Cl. D12-345.000.
- Michaelsen, Jorgen, to Bang & Olufsen of America, Inc. Shelf support or similar article. 300,397, 3-28-89, Cl. D6-491.000.
- Michau, Robert L. Caddy for transporting a portable propane bottle in a horizontal mode. 299,777, 2-7-89, Cl. D34-38.000.
- Michel, Daniel P. Food container. 299,992, 2-28-89, Cl. D7-5.000.
- Michelin Recherche et Technique: *See—*
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  - Cottrell, Roger C., 300,015, Cl. D12-147.000.
  - Cottrell, Roger C., 300,017, Cl. D12-147.000.
- Michelin Recherche et Technique S.A.: *See—*
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- Mickelsen, Steven A. Adjustable artist's easel, or similar article. 303,187, 9-5-89, Cl. D6-420.000.
- Micro Plastics, Inc.: *See—*
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- Middlemist, Richard A. Lectern. 300,092, 3-7-89, Cl. D6-419.000.
- Middleton, E. Eugene. Single occupant whirlpool lounger for use in swimming pools. 304,761, 11-21-89, Cl. D24-38.000.
- Middleton, E. Eugene. Double occupant whirlpool lounger for use in swimming pools. 304,762, 11-21-89, Cl. D24-38.000.
- Midland Manufacturing Corp.: *See—*
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  - Simpkins, Terry J.; and Harris, David P., 300,997, Cl. D6-503.000.
  - Simpkins, Terry J.; and Turner, Richard L., 301,925, Cl. D24-3.000.
- Miels, Edward T. Toilet tissue dispenser. 300,703, 4-18-89, Cl. D6-523.000.
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  - Kelly, Thomas J.; Kowalik, John, Jr.; Miggels, Stephen G.; and Varadarajan, Gopalakrishnan, 302,266, Cl. D14-100.000.
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- Mikkelsen, Henrik, to Poul Willumsen A/S. Savings box. 303,726, 9-26-89, Cl. D99-37.000.
- Miklja, Janel, to Eureka AB. Mattress for endoscopic examination. 301,166. 5-16-89, Cl. D24-3.000.
- Milani, Dean L., to Medical Research Laboratories. Computer fan. 305,229, 12-26-89, Cl. D14-114.000.

- Mileos, George, to General Foods Corporation. Combined package and dispenser for extrusible comestibles. 303,759, 10-3-89, Cl. D9-306.000.
- Mileos, George, to General Foods Corp. Combined package and dispenser for extrudible comestibles. 303,925, 10-10-89, Cl. D9-306.000.
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- Miller, David C., to Wagner Spray Tech Corporation. Power unit for powered paint applicator or the like. 300,033, 2-28-89, Cl. D15-7.000.
- Miller, David E.; and Diaz, Juan A., to Reebok International Ltd. Shoe sole. 299,681, 2-7-89, Cl. D2-320.000.
- Miller, David E.; and Hamill, Hugh J., to Reebok International Ltd. Shoe upper. 301,388, 6-6-89, Cl. D2-314.000.
- Miller, David E., to Reebok International Ltd. Shoe upper. 301,389, 6-6-89, Cl. D2-314.000.
- Miller, David E., to Reebok International Ltd. Shoe outsole. 302,348, 7-25-89, Cl. D2-320.000.
- Miller, David E., to Reebok International Ltd. Shoe sole material. 303,453, 9-19-89, Cl. D2-320.000.
- Miller, David E., to Reebok International Ltd. Shoe upper. 304,389, 11-7-89, Cl. D2-314.000.
- Miller, David E., to Reebok International Ltd. Shoe upper. 304,519, 11-14-89, Cl. D2-314.000.
- Miller, David E., to Reebok International Ltd. Shoe upper. 304,877, 12-5-89, Cl. D2-314.000.
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- Miller, Glynne D., to Kenda Rubber Industrial Co., Ltd. Vehicle tire. 302,671, 8-8-89, Cl. D12-149.000.
- Miller, Henry A.; Harris, Michael R.; Goodhart, Frank; and Fawzi, Mahdi B., to Warner-Lambert Company. Tablet. 302,481, 7-25-89, Cl. D28-2.000.
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- Miller, Kevin. Body waste collection bag stand. 304,239, 10-24-89, Cl. D24-51.000.
- Miller, Kevin J. Child safety seat. 303,046, 8-29-89, Cl. D6-333.000.
- Miller, Michael K.; and Stockton, Warren D., to Kern Instrument & Tooling, Inc. Firearm. 303,418, 9-12-89, Cl. D22-103.000.
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- Minami, Hiroo, to Yoshida Kogyo K. K. Slider pull tab for slide fastener. 303,510, 9-19-89, Cl. D11-221.000.
- Minami, Hiroo, to Yoshida Kogyo K. K. Slider pull tab for slide fastener. 303,511, 9-19-89, Cl. D11-221.000.
- Minami, Hiroo, to Yoshida Kogyo K. K. Slider pull tab for slide fastener. 303,642, 9-26-89, Cl. D11-221.000.
- Minami, Hiroo, to Yoshida Kogyo K. K. Slider pull tab for slide fastener. 303,943, 10-10-89, Cl. D11-221.000.
- Minami, Hiroo, to Yoshida Kogyo K. K. Fastener. 304,023, 10-17-89, Cl. D11-221.000.
- Minamitani, Masaaki, to Ohtsu Tire & Rubber Co., Ltd., The. Vehicle tire. 305,110, 12-19-89, Cl. D12-147.000.
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- Minurri, Donato, to Sun Star Inflatable Corporation. Two-man water sled. 300,840, 4-25-89, Cl. D21-228.000.
- Minurri, Donato, to Sun Star Inflatable Corporation. One-man water sled. 300,841, 4-25-89, Cl. D21-228.000.
- Minuti, Furio, to Fratelli Guzzini S.p.A. Salad server. 299,806, 2-14-89, Cl. D7-138.000.
- Minuti, Furio, to Fratelli Guzzini S.p.A. Insulated bottle holder. 300,495, 4-4-89, Cl. D7-70.000.
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- Mitchell, Herman E. Radio and tape player. 299,650, 1-31-89, Cl. D14-162.000.
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  - Fujita, Shinichi; Nakamachi, Tsuyoshi; and Yoshida, Shigeyuki, 302,680, Cl. D14-138.000.
  - Fujita, Toshiharu; Suzuki, Masakatsu; and Nagai, Yorimitsu, 303,718, Cl. D26-42.000.
  - Fujita, Toshiharu; Yamazaki, Hiroyoshi; Maeda, Noriyuki; Shimizu, Kazutaka; Tanaka, Norihiko; Domon, Yoshihiro; Iwasawa, Kiyoshi; Futatsugi, Mitsuyuki; Takizawa, Fuminobu; Suzuki, Masakatsu; and Kosaka, Makoto, 304,377, Cl. D26-3.000.
  - Hara, Masaki; Shiratani, Sadao; Sawatani, Masaharu; and Fukunaga, Masataka, 304,931, Cl. D14-100.000.
  - Hara, Naoyuki; and Hagiwara, Ippei, 301,454, Cl. D13-1.000.
  - Ikeda, Hideyuki; and Saito, Shigeru, 304,073, Cl. D23-351.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 299,334, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,370, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,371, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,372, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 304,170, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tada, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 304,171, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 305,115, Cl. D13-4.000.
  - Kondoh, Nobuyuki; Abe, Yoshinori; and Yamane, Iwao, 303,788, Cl. D14-100.000.
  - Oura, Takao; Okada, Hideki; and Hosaka, Masayoshi, 300,533, Cl. D14-101.000.
  - Oura, Takao; Okada, Hideki; and Hosaka, Masayoshi, 300,744, Cl. D14-101.000.
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  - Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, 300,240, Cl. D23-314.000.
  - Suyama, Tsutomu; Wakamatsu, Masaharu; Yamamuro, Takahiko; and Fukushima, Kazuyuki, 303,959, Cl. D14-114.000.
  - Takahashi, Nobuyoshi; Yamamoto, Yoshihiko; Fujii, Masao; and Seshimo, Yu, 302,853, Cl. D23-386.000.
- Mitsubishi Electric Corporation: *See—*
  - Yamaura, Yutaka; Nakamura, Takashi; Yamauchi, Satomi; and Abe, Yoshinori, 305,126, Cl. D15-72.000.
- Mitsuboshi Belting Ltd.: *See—*
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- Mitsui, Shigeyuki, to Asics Corporation. Shoe sole. 301,800, 6-27-89, Cl. D2-320.000.
- Mitsui, Shigeyuki, to Asics Corporation. Shoe sole. 302,901, 8-22-89, Cl. D2-320.000.
- Mitsushiro, Kaneko: *See—*
  - Risei, Notsu; Hideki, Ooike; and Mitsushiro, Kaneko, 302,024, Cl. D18-22.000.
- Mitsutake, Toshiyuki: *See—*
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- Mittermaier, Armin E.; Crum, Timothy K.; and Nicklin, Lawrence G., to Tokheim Corporation. Liquid fuel dispensing console. 301,342, 5-30-89, Cl. D15-9.200.
- Mitutoyo Mfg. Co., Ltd.: *See—*
  - Takahashi, Seigo; Matsumoto, Toshiyuki; and Ishida, Kazuya, 300,009, Cl. D10-73.000.
- Miura, Takeo; and Takagi, Kiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,709, 2-7-89, Cl. D12-110.000.
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  - Oba, Yasuhiro; Watanabe, Akira; Miwa, Koji; and Kuroda, Shigeru, 299,631, Cl. D12-107.000.
- Miyahara, Akihiro, to Casio Computer Co., Ltd. Combined radio recevier and calculator. 304,730, 11-21-89, Cl. D14-168.000.
- Miyaji, Seiichi; Kakiuchi, Yoshinori; and Di Benedetto, Luigi, to Fujitsu Limited. Cash register. 303,536, 9-19-89, Cl. D18-4.000.
- Miyakawa, James, to Guest Supply, Inc. Bottle with a cap. 301,838, 6-27-89, Cl. D9-403.000.
- Miyakawa, James, to Guest Supply, Inc. Bottle. 304,687, 11-21-89, Cl. D9-403.000.
- Miyakawa, James, to Guest Supply, Inc. Bottle. 304,688, 11-21-89, Cl. D9-403.000.
- Miyake, Masao; and Takaishi, Nobuo, to Sharp Corporation. Air conditioner. 300,457, 3-28-89, Cl. D23-351.000.
- Miyamoto, Isshin; Nagamatsu, Yasuo; Tanaka, Yasuhiko; Sakamoto, Masaharu; Hidaka, Masataka; Sakamoto, Hideaki; and Ishida, Kazuo, to Matsushita Electric Industrial Co., Ltd. Vacuum cleaner. 303,173, 8-29-89, Cl. D32-22.000.
- Miyamoto, Kouichi: *See—*
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- Miyamoto, Michikazu, to SMC Corporation. Fluidic power actuator. 304,036, 10-17-89, Cl. D15-199.000.
- Miyashita, Shin, to Sony Corporation. Video tape recorder. 299,920, 2-21-89, Cl. D14-135.000.
- Miyashita, Shin, to Sony Corporation. Magnetic disc. 301,341, 5-30-89, Cl. D14-114.000.
- Miyashita, Shin, to Sony Corporation. Magnetic disc. 302,552, 8-1-89, Cl. D14-114.000.
- Miyazima, Yasushige. Compass. 299,908, 2-21-89, Cl. D10-[illegible]8.000.
- Miyoshi, Masazumi; and Isayama, Muneo, to Ise Kagaku Kogyo Kabushiki Gaisha. Hopper. 303,265, 9-5-89, Cl. D15-122.000
- Mize, Max D. Battery contact clamp for jumper cable. 304,928, 12-5-89, Cl. D13-10.000.
- Mizuma, Kensuke; Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; and Matoba, Hisayoshi, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 302,372, 7-25-89, Cl. D7-351.000.
- Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Ichihara, Masuo, to Matsushita Electric Industrial Co., Ltd. Microwave oven. 304,148, 10-24-89, Cl. D7-351.000.
- Mizuma, Kensuke: *See—*
  - Ichihara, Masuo; Mizuma, Kensuke; Kubo, Masayoshi; Matoba, Hisayoshi; and Kido, Katsutoshi, 305,087, Cl. D7-351.000.
  - Kido, Katsutoshi; Kubo, Masayoshi; Ichihara, Masuo; Matoba, Hisayoshi; and Mizuma, Kensuke, 300,898, Cl. D7-351.000.
  - Kido, Katsutoshi; Kubo, Masayoshi; Mizuma, Kensuke; Ichihara, Masuo; and Matoba, Hisayoshi, 302,226, Cl. D7-351.000.
  - Kido, Katsutoshi; Kubo, Masayoshi; Matoba, Hisayoshi; Ichihara, Masuo; and Mizuma, Kensuke, 305,088, Cl. D7-351.000.
  - Kubo, Masayoshi; Mizuma, Kensuke; Kido, Katsutoshi; Matoba, Hisayoshi; and Ichihara, Masuo, 302,227, Cl. D7-351.000.
  - Kubo, Masayoshi; Kido, Katsutoshi; Ichihara, Masuo; Mizuma, Kensuke; and Matoba, Hisayoshi, 304,150, Cl. D7-351.000.
- Mizuno, Tetsuya; Ui, Yoshio; and Kurosu, Yukio, to Honda Giken Kogyo Kabushiki Kaisha. Automobile. 301,436, 6-6-89, Cl. D12-92.000.
- Mizutani, Keiichi; and Ohashi, Akira, to Shachihata Industrial Co., Ltd. Marking pen. 301,488, 6-6-89, Cl. D19-43.000.
- Mizutani, Keiichi; and Ohashi, Akira, to Shachihata Industrial Co., Ltd. Marking pen. 304,840, 11-28-89, Cl. D19-43.000.
- Mizutani, Keiichi: *See—*
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  - Ohashi, Akira; and Mizutani, Keiichi, 302,175, Cl. D19-43.000.
- MM Systems Corporation: *See—*
  - Nicholas, John D., 300,465, Cl. D25-119.000.
- MMG Corporation: *See—*
  - Raskas, Stuart I., 304,981, Cl. D6-478.000.
- Mo, Michael, to Dialer and Business Electronics Co., Ltd. Telephone set. 303,388, 9-12-89, Cl. D14-151.000.
- Mo, Michael, to Dialer and Business Electronics Co., Ltd. Telephone set. 303,389, 9-12-89, Cl. D14-151.000.
- Mobberley, Laura P., to Sealright Co., Inc. Container lid. 301,550, 6-13-89, Cl. D9-453.000.
- Mobberley, Laura P., to Sealright Co., Inc. Container lid. 301,690, 6-20-89, Cl. D9-452.000.
- Mobberley, Laura P., to Sealright Co., Inc. Container lid. 301,691, 6-20-89, Cl. D9-453.000.
- Moberg, Mark T. Bottle draining stand. 300,290, 3-21-89, Cl. D6-469.000.
- Mobil Oil Corporation: *See—*
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  - Sable, Lewis E., 302,062, Cl. D34-5.000.
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- Mochida, Taro: *See—*
  - Yonesawa, Kazuyoshi; Ichikawa, Kuniharu; and Mochida, Taro, 301,617, Cl. D24-41.000.
- Mock, Gerhard, to Schwan-Stabilo Schwanhausser GmbH & Co. Marking instrument. 299,470, 1-17-89, Cl. D19-43.000.
- Mockovak, Robert A., to Remington Products, Inc. Combined hair clipper, base and accessories therefor. 305,074, 12-12-89, Cl. D28-53.000.
- Mockovak, Robert A., to Remington Products, Inc. Combined clipper and cap therefor. 305,162, 12-19-89, Cl. D28-53.000.
- Modicon, Inc.: *See—*
  - Gonzales, Roman Y.; Zdinak, Paul S.; Marcoccio, Louis E.; and Poirier, David F., 303,655, Cl. D13-12.000.
- Moe, Dennis. Toy construction link. 304,212, 10-24-89, Cl. D21-108.000.
- Moe, Dennis. Construction toy link. 304,353, 10-31-89, Cl. D21-108.000.
- Moeller Manufacturing Co., Inc.: *See—*
  - Hoszowski, Andrew K., 304,573, Cl. D12-318.000.
- Mohasco Upholstered Furniture Corporation: *See—*
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- Mohd, Maqsood: *See—*
  - Wilson, John H.; Coffey, Kenneth W.; Smith, Toby E.; Richards, David; Mohd, Maqsood; and Cody, Lee, 299,747, Cl. D24-40.000.
- Mohr, Lisa M.: *See—*
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  - Barrett, William H.; Gregory, Joseph A.; Mohr, Lisa M.; and Schaum, David L., 304,635, Cl. D34-19.000.
- Mohri, Akinari: *See—*
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- Mohrle, Raymond L., to Warner-Lambert Company. Multicolored toothpaste. 304,382, 10-31-89, Cl. D28-8.100.
- Mohrmann, Horst: *See—*
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- Mohrmann-Tidwell, Heidi: *See—*
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  - Peterson, Ronald A.; and Mohrmann-Tidwell, Heidi, 302,659, Cl. D9-377.000.
- Molgaard-Nielsen, Arne, to William Cook Europe A/S. Biopsy cannula. 300,060, 2-28-89, Cl. D24-28.000.
- Mollica, Anthony W. Combined child's table and storage unit. 299,600, 1-31-89, Cl. D6-480.000.
- Molnlycke Aktiebolag: *See—*
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  - Ternstrom, Maj I.; and Lundahl, Evamarie, 301,061, Cl. D24-50.000.
  - Ternstrom, Maj I.; and Lundahl, Evamarie, 301,375, Cl. D24-50.000.
  - Ternstrom, Maj I.; and Lundahl, Evamarie, 301,376, Cl. D24-50.000.
- Moloney, Thomas J., to Alpine Engineered Products, Inc. Table for use in manufacturing roof trusses. 301,811, 6-27-89, Cl. D6-400.000
- Momentum Enterprises, Incorporated: *See—*
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- Monark AB: *See—*
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- Monfort, Bernard, to U.S. Philips Corporation. Lighting fixture. 300,668, 4-11-89, Cl. D26-63.000.
- Mongeau, Francois, to Turkhot Tech. Inc. Heater. 303,285, 9-5-89, Cl. D23-314.000.
- Monneret, Alain, to Monneret Jouets. Doll carriage. 304,916, 12-5-89, Cl. D12-129.000.
- Monneret Jouets: *See—*
  - Monneret, Alain, 304,916, Cl. D12-129.000.
- Monsanto Company: *See—*
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- Monta, Akihito, to Sumitomo Rubber Industries, Ltd. Automobile tire. 304,705, 11-21-89, Cl. D12-146.000.
- Monta, Akihito, to Sumitomo Rubber Industries, Ltd. Automobile tire. 304,707, 11-21-89, Cl. D12-149.000.
- Montague, Edgar B.: *See—*
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- Montandon, Daniel, to Nirvan Espar Systems S.A. Combined nautical chair and storage pack. 300,883, 5-2-89, Cl. D6-335.000.
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  - McMenamy, James P.; and Montferret, John J., 303,290, Cl. D24-24.000.
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  - Pfeifer, Herbert; and Montgomery, Paul, 305,119, Cl. D14-142.000.
  - Pfeifer, Herbert; Montgomery, Paul; and Sturges, Dan, 305,121, Cl. D14-159.000.
- Montgomery, Robert B., to Munnier Freres S.A. Toy animal. 305,253, 12-26-89, Cl. D21-161.000.
- Montgomery, Vivian A. Spa gazebo cover. 299,959, 2-21-89, Cl. D25-26.000.
- Montres Emile Pequignet: *See—*
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  - Benoit-Pequignet, Emile M.; and Viennet, Jean-Pierre L., 301,984, Cl. D10-32.000.
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- Moody, Charles E.: *See—*
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- Moomaw, David E., to Quaker Oats Company, The. Toy tea kettle. 300,439, 3-28-89, Cl. D21-109.000.
- Moomaw, David E., to Quaker Oats Company, The. Toy airplane cockpit. 305,048, 12-12-89, Cl. D21-142.000.
- Moomaw, David E.: *See—*
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- Moon, Linda A.: *See—*
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- Moore, Ann A., to Moore, Ann A.; Moore, Michael C.; and Beauparlant, Leslie. Backpack-type carrier for portable oxygen dispensers. 305,078, 12-19-89, Cl. D3-32.000.
- Moore, Don M. Telephone receiver cushion. 305,235, 12-26-89, Cl. D14-249.000.
- Moore, Michael C.: *See—*
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- Moore, Stuart K. J., to American Home Products Corporation (Del.). Roller applicator for dispensing cream or lotion. 299,972, 2-21-89, Cl. D28-7.000.
- Moore, Stuart K. J., to American Home Products Corporation. Cylindrical roller applicator for dispensing cream or lotion. 300,957, 5-2-89, Cl. D28-7.000.
- Moore, Stuart K. J., to American Home Products Corporation (Del.). Convex roller applicator for dispensing cream or lotion. 300,958, 5-2-89, Cl. D28-7.000.
- Mor, John: *See—*
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- Morabeto, James W. Golf tee. 301,046, 5-9-89, Cl. D21-208.000.
- Morales, Benny B.; and Macias, Charles A. Food tray for use in vehicles. 303,454, 9-19-89, Cl. D3-40.000.
- Moran, Thomas H.; and Baut, Eugene. Combined suspended lighting and ventilating fixture. 302,324, 7-18-89, Cl. D26-59.000.
- Morano, Emanuel P.: *See—*
  - Fitzpatrick, William E.; Morano, Emanuel P.; and Craven, William J., 303,839, Cl. D24-46.000.
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- Morgan, Annis R., Jr., to Coca-Cola Company, The. Housing for a vending machine. 300,153, 3-7-89, Cl. D20-8.000.
- Morgan, Fredrick M., to DeVilbiss Corporation. Power washer gun. 303,139, 8-29-89, Cl. D23-223.000.
- Morgan, Fredrick M., to DeVilbiss Company, The. Spray gun. 305,057, 12-12-89, Cl. D23-226.000.
- Morgan, Loran B. Golfer's putting aid target. 303,700, 9-26-89, Cl. D21-234.000.
- Morgan, Stuart K., to Digital Equipment Corporation. Video terminal. 300,829, 4-25-89, Cl. D14-113.000.
- Morgan, Virgil G.; Denton, Sharon J.; and Morgan, Wallace, to MDM Products. Paint roller frame. 305,080, 12-19-89, Cl. D4-122.000.
- Morgan, Wallace: *See—*
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- Mori, Chuzo, to Carl Manufacturing Co., Ltd. Punch. 300,332, 3-21-89, Cl. D19-72.000.
- Mori, Eugene Y. Sign for an automobile window. 304,737, 11-21-89, Cl. D20-42.000.
- Mori, Gian L. Clamp. 300,298, 3-21-89, Cl. D8-72.000.
- Morifuji, Yasuo, to Jex Co., Ltd. Breast pump. 299,537, 1-24-89, Cl. D24-51.000.
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- Morikawa, Kenichi; Akatsu, Masafuku; Kato, Tatsuya; Ohta, Seizo; and Nakatani, Takeshi, to NEC Corporation. Key telephone set. 300,926, 5-2-89, Cl. D14-151.000.
- Morin, Andre. Pasta container. 300,102, 3-7-89, Cl. D7-76.000.
- Morin, Serge: *See—*
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Morishima, Takashi, to Casio Computer Co., Ltd. Combined wrist watch and calculator. 300,514, 4-4-89, Cl. D10-31.000.
Morishima, Takashi, to Casio Computer Co., Ltd. Wrist Watch. 304,305, 10-31-89, Cl. D10-38.000.
Morishita, Takeshi; Mio, Kenzo; Terauchi, Yukio; and Maemura, Kozo, to NEC Corporation. Image scanner for automated fingerprint identification system. 303,251, 9-5-89, Cl. D14-107.000.
Moritaka, Katsuya, to Seikosha Co., Ltd. Clock movement. 303,226, 9-5-89, Cl. D10-129.000.
Moritani, Hiroshi, to Sharp Corporation. Combined microwave oven and electric oven. 300,711, 4-18-89, Cl. D7-351.000.
Moritani, Hiroshi, to Sharp Corporation. Air conditioner. 302,852, 8-15-89, Cl. D23-353.000.
Moritani, Hiroshi, to Sharp Kabushiki Kaisha. Air conditioner. 304,228, 10-24-89, Cl. D23-353.000.
Moritani, Hiroshi, to Sharp Kabushiki Kaisha. Air conditioner. 304,364, 10-31-89, Cl. D23-353.000.
Moritani, Hiroshi, to Sharp Kabushiki Kaisha. Air conditioner. 304,365, 10-31-89, Cl. D23-353.000.
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Morooka, Shinichi, to Sharp Kabushiki Kaisha. Weighing scales. 304,308, 10-31-89, Cl. D10-92.000.
Morozumi, Kiyotaka, to Ricoh Company, Ltd. Electrostatic copier. 300,225, 3-14-89, Cl. D18-37.000.
Morrell, James I. Pet dish. 300,278, 3-14-89, Cl. 119-61.000.
Morris, Donnie. Weighted fishing worm. 301,730, 6-20-89, Cl. D22-127.000.
Morris, Gary F. Adjustable holder for water skiing safety flag. 301,697, 6-20-89, Cl. D10-121.000.
Morris, George A., Jr. Novelty fan. 304,780, 11-28-89, Cl. D3-4.000.
Morris, Glenn H. Toothbrush sanitizing holder. 301,097, 5-16-89, Cl. D6-528.000.
Morris, Glenn H. Toothbrush sanitizing holder. 301,098, 5-16-89, Cl. D6-528.000.
Morris, Glenn H. Combined toothbrush sanitizing holder and tray. 301,099, 5-16-89, Cl. D6-528.000.
Morris, Glenn H. Combined toothbrush sanitizing holder and tray. 301,292, 5-30-89, Cl. D6-528.000.
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Morrison, Howard J.; and Bullock, Brian P., to Marvin Glass & Associates. Telephone set. 301,577, 6-13-89, Cl. D14-53.000.
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Mowrey, Thomas E., to Derco, Inc. Stove. 299,952, 2-21-89, Cl. D23-343.000.
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Muller-Deisig, Wolfgang; Jenkins, David C.; West, Terry D.; and Chu, Zooey C., to Steelcase Inc. Chair arm. 299,799, 2-14-89, Cl. D6-500.000.
Muller, Gerold, to Hero Conserven Lenzburg. Combined jar and seal or similar article. 300,722, 4-18-89, Cl. D9-352.000.
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Muller, Henry, to Lightolier Incorporated. Exterior post lamp. 299,555, 1-24-89, Cl. D26-69.000.
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Muller, Peter H.; Lowe, Peter E.; and Bleske, Randy J., to Hayes Microcomputer Products, Inc. Modem or similar article. 304,936, 12-5-89, Cl. D14-107.000.
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Myojo, Seiji, to Shimano Industrial Company Limited. Fishing reel. 300,166, 3-7-89, Cl. D22-140.000.
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- Nagele, Albert L., to Motorola, Inc. Security telephone or similar article. 301,475, 6-6-89, Cl. D14-142.000.
- Nagele, Albert L.; and Soren, Leonid, to Motorola, Inc. Housing for portable handset telephone or similar article. 304,189, 10-24-89, Cl. D14-147.000.
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- Nakaizumi, Hiroshi, to Sony Corporation. Magnetic tape cassette. 304,582, 11-14-89, Cl. D14-121.000.
- Nakaizumi, Hiroshi, to Sony Corporation. Magnetic tape cassette. 304,583, 11-14-89, Cl. D14-121.000.
- Nakajima, Kazuo; and Anbo, Kiyoshi, to Komatsu Zenoah Co. Chain saw. 302,931, 8-22-89, Cl. D8-65.000.
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- Nakamura, Masazo. Suspending hook. 300,604, 4-11-89, Cl. D8-367.000.
- Nakamura, Naoyuki: *See—*
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- Nakamura, Shingo; and Shibuya, Norio, to NEC Corporation. Optical disk unit for electronic computers. 303,957, 10-10-89, Cl. D14-109.000.
- Nakamura, Takashi: *See—*
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- Nakano, Kiyotaka, to Nippon Rubber Co., Ltd. Shoe sole. 303,317, 9-12-89, Cl. D2-320.000.
- Nakano, Kiyotaka, to Nippon Rubber Co., Ltd. Shoe sole. 304,259, 10-31-89, Cl. D2-320.000.
- Nakano, Kiyotaka, to Nippon Rubber Co., Ltd. Shoe sole. 304,390, 11-7-89, Cl. D2-320.000.
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- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsuda, Hiroaki, to Combi Co., Ltd. Animal toy. 302,028, 7-4-89, Cl. D21-63.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Akimoto, Keiko, to Combi Co., Ltd. Animal toy. 302,188, 7-11-89, Cl. D21-63.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Hanashima, Taira, to Combi Co., Ltd. Animal toy. 302,189, 7-11-89, Cl. D21-63.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsumoto, Susumu, to Combi Co., Ltd. Toy vehicle. 302,707, 8-8-89, Cl. D21-74.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsumoto, Susumu, to Combi Co., Ltd. Baby seat. 303,459, 9-19-89, Cl. D6-333.000.
- Nakao, Shinroku; Ishii, Yoshiyasu; and Matsuda, Hiroaki, to Combi Co., Ltd. Baby stroller. 305,218, 12-26-89, Cl. D12-129.000.
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- Nakatsuka, Toshiki, to Honda Giken Kogyo Kabushiki Kaisha. Vehicle wheel. 303,949, 10-10-89, Cl. D12-211.000.
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- Naoi, Kiichi; Watanabe, Yuichi; and Manta, Hitoshi, to Koyo Electronics Industries Co., Ltd. Programmable controller. 305,020, 12-12-89, Cl. D13-12.000.
- Napco Security Systems, Inc.: *See—*
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- Nappi, Anthony. Power weeder attachment. 299,204, 1-3-89, Cl. D8-8.000.
- Nardello, Anthony J., to Nardello, Anthony J.; and Rabbittino, Thomas D. Game board. 301,723, 6-20-89, Cl. D21-27.000.
- Narisue, Masaharu; and Hoshino, Kiyoshi, to Ryobi Ltd. Hedge trimmer. 301,961, 7-4-89, Cl. D8-8.000.
- Naruse, Koji; Ono, Mamoru, and Okazaki, Toshio, to Yazaki Corporation. Clamping strap for electrical wires. 305,099, 12-19-89, Cl. D8-396.000.
- Nasui, Sadao; and Irisawa, Kazuyoshi, to Toshiba Electric Appliances Co., Ltd. Kerosene heater. 299,525, 1-24-89, Cl. D23-336.000.
- Nasui, Sadao; and Yajima, Takeo, to Toshiba Electric Appliances Co. Ltd. Kerosene heater. 299,526, 1-24-89, Cl. D23-338.000.
- National Diversified Sales, Inc.: *See—*
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- National Industrial Security Corp.: *See—*
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- National Latex Products Company, The: *See—*
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- Natori, Eiji, to Chuo Kagaku Kabushiki Kaisha. Plate. 299,800, 2-14-89, Cl. D7-1.000.
- Natori, Eiji, to Chuo Kagaku Kabushiki Kaisha. Plate. 301,294, 5-30-89, Cl. D7-36.000.
- Natori, Eiji, to Chuo Kagaku Kabushiki Kaisha. Packaging container. 304,908, 12-5-89, Cl. D9-423.000.
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- Natori, Eiji, to Chuo Kagaku Kabushiki Kaisha. Packaging container. 304,910, 12-5-89, Cl. D9-423.000.
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- Navarro, Maria C.; Godsey, James H.; and Tepper, Richard G., to Sherwood Medical Company. Microbiological test tray carrier. 300,245, 3-14-89, Cl. D24-31.000.
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  - Kato, Shuzo; Sakama, Satoru; and Nemoto, Asami, 303,538, Cl. D18-4.000.
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  - Watanabe, Toshihiko; Takemasa, Hideji; and Ikeda, Kazuo, 300,320, Cl. D14-241.000.
- Needham, Donald G. Test specimen holder. 300,659, 4-11-89, Cl. D24-32.000.
- Needler, Barry, to C.N.D. Playing Card Company, Ltd. Playing card. 301,592, 6-13-89, Cl. D21-45.000.
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- Nelson, Wan A. Vacuum bottle holder for vehicle cabs. 302,773, 8-15-89, Cl. D7-71.000.
- Nelson, William E. Donut icing device. 299,802, 2-14-89, Cl. D7-43.000.
- Nemec, Edward M.; Hossom, Miles G.; and Marshall, David L., to Murex Corporation. Diagnostic tester for biological fluids. 300,463, 3-28-89, Cl. D24-17.000.
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- Neville, Henry, to Down Under Orphans Pty. Limited. Toy animal. 304,055, 10-17-89, Cl. D21-159.000.
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- Newhouse, Thomas J., to Herman Miller, Inc. Segmented spacer for linking desk units. 302,914, 8-22-89, Cl. D6-491.000.
- Newman, Alexander R.; and Skinner, Derek G., to Royal Ordnance plc. Combined scabbard and bayonet. 302,199, 7-11-89, Cl. D22-118.000.
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- Newman, Joel C. Stereo radio. 303,800, 10-3-89, Cl. D14-195.000.
- Newman, Matthew S. Basket or similar article. 304,640, 11-14-89, Cl. D34-44.000.
- Newton, Brian L., to Dart Industries Inc. Lazy susan. 301,956, 7-4-89, Cl. D7-2.000.
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- Ng, Chuk-Sun T., to Blue Box Toy Factory Limited. Crib toy. 300,754, 4-18-89, Cl. D21-64.000.
- Ng, Huen Kwong. Headset. 299,454, 1-17-89, Cl. D14-205.000.
- Ng, Huen Kwong. Headset. 300,627, 4-11-89, Cl. D14-205.000.
- Ng, Kam W. Telephone set. 300,826, 4-25-89, Cl. D14-143.000.
- Ng, Kam Woon. Telephone handset and stand. 300,318, 3-21-89, Cl. D14-143.000.
- Ng, Michael C. M.; and Tan, Kheng L. Two-tiered table. 302,890, 8-15-89, Cl. D34-21.000.
- Ng, Ping Kwan. Telephone set. 304,831, 11-28-89, Cl. D14-140.000.
- Ng, Tat K., to Artin Industrial Co., Ltd. Folding toy racetrack. 305,135, 12-19-89, Cl. D21-143.000.
- NI Industries, Inc.: *See—*
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- Nibley, Richard; and Haranishi, Noriaki, to Canon Kabushiki Kaisha. Electronic typewriter. 299,930, 2-21-89, Cl. D18-1.000.
- Nicholas, John D., to MM Systems Corporation. Decorative molding for retainer flange. 300,465, 3-28-89, Cl. D25-119.000.
- Nichols, John W.; and Van Pinkerton, Stevens, Jr., to Acoustics Development Corporation. Telephone enclosure. 304,002, 10-17-89, Cl. D6-421.000.
- Nichols, John W.; and Van Pinkerton, Stevens, Jr., to Acoustics Development Corporation. Telephone enclosure. 304,006, 10-17-89, Cl. D6-553.000.
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- Niderost, Kevin, to SP Tyres UK Ltd. Vehicle tire. 305,109, 12-19-89, Cl. D12-146.000.
- Niebauer, Kenneth L., to Kennametal Inc. Cutting tool insert. 304,949, 12-5-89, Cl. D15-139.000.
- Niebauer, Kenneth L., to Kennametal Inc. Cutting tool insert. 305,239, 12-26-89, Cl. D15-139.000.
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- Niedrig, Franklin F., to Strapex AG. Friction welding tool for thermoplastic straps or similar article. 302,433, 7-25-89, Cl. D15-145.000.
- Nielson, Keith E.; and Neilson, Bert. Rubber band gun. 305,252, 12-26-89, Cl. D21-147.000.
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  - Machida, Kouji, 300,611, Cl. D10-98.000.
- Niitsu, Takuya; and Mohri, Akinari, to Sony Corporation. Case for video camera combined with video tape recorder. 304,201, 10-24-89, Cl. D16-202.000.
- Niitsu, Takuya, to Sony Corporation. Case for video camera combined with video tape recorder. 304,202, 10-24-89, Cl. D16-204.000.
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- Ninomiya, Yasuaki. Model airplane. 302,029, 7-4-89, Cl. D21-89.000.
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- Nishibori, Hiroshi, to Sharp Kabushiki Kaisha. Microwave oven. 304,412, 11-7-89, Cl. D7-351.000.
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- Nishida, Yoshiaki, to Kabushiki Kaisha Toshiba. Combined card reader and display for a bus fare adjustment system. 303,376, 9-12-89, Cl. D14-105.000.
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- Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, to Imanishi Kinzoku Kogyo Kabushiki Kaisha. Microwave oven. 301,429, 6-6-89, Cl. D7-351.000.
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- Nishiyama, Kenji; Takahashi, Hanji; and Itakura, Yoshitomo, to Matsushita Electric Industrial Co., Ltd. Cassette for a video tape recorder. 304,031, 10-17-89, Cl. D14-121.000.
- Nishiyama, Seiji; and Shimokawa, Hikoharu, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 304,555, 11-14-89, Cl. D12-110.000.

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- Nishiyama, Takanori; Masatsugu, Shigeki; Suso, Kouji; and Ichkiawa, Yukinobu, to Hitachi, Ltd. Combined video tape recorder and camera. 305,032, 12-12-89, Cl. D16-202.000.
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- Nitta, Tomio, to Tokai Corporation. Aerosol container. 304,677, 11-21-89, Cl. D9-300.000.
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- Niwa, Isao; and Ishimoto, Mikio, to Kishimoto Sangyo Co., Ltd. Nestable packaging container. 302,120, 7-11-89, Cl. D9-417.000.
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Ochsner, Daniel L. Apron. 299,680, 2-7-89, Cl. D2-228.000.
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O'Connell, Mark E., to Thomas Industries Inc. Paint container. 304,014, 10-17-89, Cl. D9-372.000.
O'Connor, Patricia: *See—*
Girardat, Janet K.; and O'Connor, Patricia, 301,182, Cl. D2-314.000.
Odahara, Tetsuichi; Eguchi, Jutaro; and Murata, Kinichi, to Kubota, Ltd. Combine harvester. 300,221, 3-14-89, Cl. D15-24.000.
O'Day, Steven M. Combined video cassette lockbox and door bracket. 302,237, 7-18-89, Cl. D8-330.000.
Oden, Robert M. Fishing lure. 300,448, 3-28-89, Cl. D22-126.000.
ODL, Incorporated: *See—*
De Block, David A.; and Artwick, Kert E., 305,069, Cl. D25-60.000.
O'Dohanue, Nicolas; and Lecuyer, Francois, to Lumec, Inc. Streetlamp. 300,372, 3-21-89, Cl. D26-67.000.
O'Dohanue, Nicolas; and Lecuyer, Francois, to Lumec, Inc. Streetlamp. 304,860, 11-28-89, Cl. D26-67.000.
O'Donnell, Patrick J. Ushaped candle holder. 302,318, 7-18-89, Cl. D26-9.000.
O'Dunlaing, Eoin, to Cavan Crystal Group Limited. Piggy bank or the like. 303,035, 8-22-89, Cl. D99-40.000.
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Marchais, Jean-Claude, 300,591, Cl. D6-481.000.
Offredi, Giovanni, to Saporiti Italia S.p.A. Reclining easy chair. 303,047, 8-29-89, Cl. D6-367.000.
Ogasawara, Yoshinari; and Muto, Yoshiichi, to CKD Kabushiki Kaisha. Pressure governor with filter. 301,914, 6-27-89, Cl. D23-209.000.
Ogasawara, Yoshinari; and Muto, Yoshiichi, to CKD Kabushiki Kaisha. Pressure governor. 301,917, 6-27-89, Cl. D23-235.000.
Ogata, Yayoi: *See—*
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Takada, Kazuo; Ogata, Yayoi; and Nakajima, Naomi, 304,147, Cl. D7-350.000.
Ogawa, Shigeo; and Minowa, Yoshio, to NEC Corporation. Transmitter and receiver for microwave communications. 304,946, 12-5-89, Cl. D14-231.000.
Ogawa, Tadashi, to LEC Kabushiki Kaisha. Apparatus for locating the center of gravity of a golf ball. 301,554, 6-13-89, Cl. D10-82.000.
Ogawa, Yasunori; and Kobayashi, Juro, to Hitachi Koki Co., Ltd. Electric grinder. 301,830, 6-27-89, Cl. D8-62.000.
Ogawa, Yasunori, to Hitachi Koki Company, Ltd. Cordless hand-held cutter. 303,346, 9-12-89, Cl. D8-61.000.
Ogawara, Sumio: *See—*
Fujiyama, Yoshiyuki; Ogawara, Sumio; Chiku, Akira; Kumano, Toshihiro; and Okiyama, Yoshitatsu, 304,579, Cl. D14-118.000.
Ogden, Ralph. Height adjustment handle for suspending a grid on a barbeque grill. 301,673, 6-20-89, Cl. D7-402.000.
O'Grady Containers, Inc.: *See—*
Poteet, Wendell A., 303,501, Cl. D9-433.000.
O'Grady, Richard M.: *See—*
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Russell, Richard H.; Kaiser, David W.; and O'Grady, Richard M., 303,922, Cl. D8-321.000.
Ohai, Reynolds K. Corner lighting fixture. 304,863, 11-28-89, Cl. D26-85.000.
O'Hara, Gary J.; and Phillips, David B., to Intelligent Medical Systems, Inc. Disposable speculum to cover the probe end of a tympanic thermometer. 303,008, 8-22-89, Cl. D24-18.000.
Ohashi, Akira; and Mizutani, Keiichi, to Shachihata Industrial Co., Ltd. Marking pen. 301,252, 5-23-89, Cl. D19-43.000.
Ohashi, Akira; and Mizutani, Keiichi, to Shachihata Industrial Co., Ltd. Marking pen. 302,175, 7-11-89, Cl. D19-43.000.
Ohashi, Akira: *See—*
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Ohashi, Keiichi, to Skylite Industry Co. Ltd. Flashlight. 299,274, 1-3-89, Cl. D26-49.000.
Ohashi, Keiichi, to Skylite Industry Co. Ltd. Portable light. 300,666, 4-11-89, Cl. D26-49.000.
Ohashi, Keiichi, to Skylite Industry Co. Ltd. Portable light. 300,667, 4-11-89, Cl. D26-49.000.
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Ohno, Kouzin, to Takara Co., Ltd. Reconfigurable robotic humanoid toy assembly. 301,261, 5-23-89, Cl. D21-150.000.
Ohno, Kouzin, to Takara Co., Inc. Reconfigurable toy gorilla. 305,051, 12-12-89, Cl. D21-156.000.
Ohno, Masahiro: *See—*
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Ohnumata, Yuichi, to Casio Computer Co., Ltd. Electronic calculator. 304,731, 11-21-89, Cl. D18-7.000.
Ohta, Fumiharu; Tamura, Masao; and Hung, Chuan Ming, to Matsushita Electric Industrial Co., Ltd. Telephone set. 299,644, 1-31-89, Cl. D14-149.000.
Ohta, Fumiharu; Tamura, Masao; and Watanabe, Setoshi, to Matsushita Electric Industrial Co., Ltd. Telephone set. 299,645, 1-31-89, Cl. D14-149.000.

Ohta, Fumiharu; and Watanabe, Satoshi, to Matsushita Electric Industrial Co., Ltd. Cordless telephone set. 302,154, 7-11-89, Cl. D14-138.000.
Ohta, Fumiharu; and Takenaka, Kazumasa, to Matsushita Electric Industrial Co., Ltd. Telephone set. 303,390, 9-12-89, Cl. D14-151.000.
Ohta, Fumiharu; and Tamura, Masao, to Matsushita Electric Industrial Co., Ltd. Telephone set. 303,665, 9-26-89, Cl. D14-142.000.
Ohta, Fumiharu: *See—*
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Ohya, Toshio; and Ishida, Sadayoshi, to Sony Corporation. Vide [illegible] recorder. 304,334, 10-31-89, Cl. D14-135.000.
Ohzu, Itsumi, to Casio Computer Co., Ltd. Portable radio receiver. 301,716, 6-20-89, Cl. D14-188.000.
Ohzu, Itsumi, to Casio Computer Co., Ltd. Portable radio receiver. 302,014, 7-4-89, Cl. D14-188.000.
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Ojala, Arvo. Mounting bracket for a handgun or similar article. 300,605, 4-11-89, Cl. D8-380.000.
Okada, Hidekazu, to Clover Mfg. Co., Ltd. Container for knitting needles. 299,488, 1-24-89, Cl. D9-307.000.
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Nishikawa, Hideo; Okamoto, Kenzo; and Kitada, Fumihiko, 301,430, Cl. D7-351.000.
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Okamoto, Kiyoshi. Hair clipper. 304,867, 11-28-89, Cl. D28-53.000.
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Okuda, Mitsukazu; and Yano, Motokuni, to Sharp Corporation. Telephone set. 300,824, 4-25-89, Cl. D14-151.000.
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Olesen, Paul; and Chester, Jon, to Swingline Inc. Compact power stapler. 305,092, 12-19-89, Cl. D8-49.000.
Oliff, James R., to Mead Corporation, The. Article carrier blank. 304,017, 10-17-89, Cl. D9-433.000.
Oliphant, Adam L. Portable grill. 301,106, 5-16-89, Cl. D7-332.000.
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Olney, Donald, to Brimms Inc. Spinning toy. 301,258, 5-23-89, Cl. D21-95.000.
Olofsson, Lennart. Design for a wall-mounted support for a grinding machine or the like. 301,817, 6-27-89, Cl. D6-574.000.
Olofsson, Per, to Stiftelsen Pileprodukter. Combined handgrip and brake lever unit for a walker. 303,512, 9-19-89, Cl. D12-133.000.
O'Loughlin, Francis, to Thomas & Betts Corporation. Flag shaped electrical terminal. 302,542, 8-1-89, Cl. D13-26.000.
Olsen, Flemming H.: *See—*
Tapdrup, Erik P.; and Olsen, Flemming H., 302,444, Cl. D21-59.000.
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Olson, David V. Camera tripod. 301,249, 5-23-89, Cl. D16-244.000.
Olson, Elizabeth T.; and Pardo, John, to Procter & Gamble Company, The. Bottle. 303,629, 9-26-89, Cl. D9-376.000.
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Olson, Kenneth A. Cap for tube type dispensers. 305,102, 12-19-89, Cl. D9-440.000.
Olson, Richard K. Paper clip attachment for vehicle dashboard. 302,567, 8-1-89, Cl. D19-65.000.
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Nagai, Yawara; Yoshinari, Shigeru; and Ushikubo, Masao, 303,095, Cl. D10-81.000.
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Fontana, Fernando, 301,558, Cl. D10-126.000.
Omino, Seiichi, to Canon Kabushiki Kaisha. Carrying case. 299,590, 1-31-89, Cl. D3-76.000.
Omino, Seiichi; Noda, Atsushi; and Hashimoto, Kenichiro, to Canon Kabushiki Kaisha. Ink ribbon cartridge. 302,438, 7-25-89, Cl. D18-12.000.
Omino, Seiichi; and Katayanagi, Jun, to Canon Kabushiki Kaisha. Paper feeder for printer. 304,956, 12-5-89, Cl. D18-22.000.
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O'Neill, William B. Trailer. 300,618, 4-11-89, Cl. D12-97.000.
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Ono, Masaharu, to Sumitomo Rubber Industries, Ltd. Automobile tire. 301,855, 6-27-89, Cl. D12-147.000.
Onuma, Koki, to Asahi Kogaku Kogyo Kabushiki Kaisha. Single-lens reflex camera body. 304,837, 11-28-89, Cl. D16-217.000.
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Ooie, Yoshihisa, to Sharp Corporation. Facsimile. 301,035, 5-9-89, Cl. D14-118.000.

Ooie, Yoshihisa; and Sugiyama, Masakazu, to Sharp Corporation. Facsimile. 301,879, 6-27-89, Cl. D14-118.000.
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Orak, Zeki. Rhythmic exerciser. 301,510, 6-6-89, Cl. D21-191.000.
Orak, Zeki. Exercise weight. 302,195, 7-11-89, Cl. D21-197.000.
Orbanic, Robert S., to GTE Products Corporation. Electrical connector for a vehicle lighting system. 300,819, 4-25-89, Cl. D13-24.000.
Orbanic, Robert S., to GTE Products Corporation. Electrical connector for a vehicle lighting system. 300,820, 4-25-89, Cl. D13-24.000.
Orejola, Wilmo C. Surgical tool for piercing and stitching sterna or the like. 300,244, 3-14-89, Cl. D24-28.000.
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  Ridinger, Stephen T.; and Orr, Russell E., II, 304,954, Cl. D17-20.000.
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Osako, Tatsuo, to Kabushiki Kaisha Osako Seisakusho. Pusher plate for a bookbinding machine. 301,153, 5-16-89, Cl. D18-34.000.
Osanai, Akira; Kato, Toshikazu; and Hattori, Yasuo to Olympus Optical Co., Ltd. Hand microphone for transcriber. 299,336, 1-10-89, Cl. D14-225.000.
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  Reifein, Yolanda M.; and Grindrod, Paul E., 305,204, Cl. D9-418.000.
Oshika, Toshi; Ichinose, Kazuhiro; and Kurosu, Yukio, to Honda Giken Kogyo Kabushiki Kaisha. Automobile. 299,325, 1-10-89, Cl. D12-92.000.
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Osterhout, Ralph F., to Tekna. Pocket knife with removable cap. 300,112, 3-7-89, Cl. D8-98.000.
Osterhout, Ralph F., to Tekna. Spotlight. 301,752, 6-20-89, Cl. D26-45.000.
Osterhout, Ralph F., to TEKNA. Spotlight. 302,046, 7-4-89, Cl. D26-48.000.
Osterhout, Ralph F., to Tekna. Foldable knife. 304,154, 10-24-89, Cl. D8-99.000.
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Osvold, Harry C. Counter top. 299,395, 1-17-89, Cl. D6-511.000.
Osvold, Harry C. Counter top. 300,791, 4-25-89, Cl. D6-511.000.
Ota, Michihiro, to Tomy Seiko Co., Ltd. Small type micro centrifuge. 303,147, 8-29-89, Cl. D24-22.000.
Otema, Martin. Show case. 301,290, 5-30-89, Cl. D6-470.000.
Oto, Kaizo, to Design Institute America, Inc. Combined table and etagere. 301,093, 5-16-89, Cl. D6-397.000.
Ott, Wilhelm, to Merck Patent Gesellschaft mit beschraenkter Haftung. Medical tablet. 299,275, 1-3-89, Cl. D28-2.000.
Otte, Dennis E. Floor jack attachment for supporting front and rear axles of a truck. 301,655, 6-13-89, Cl. D34-31.000.
Otto, Edgar, to Therma-Systems Corporation. Combined insulated food service tray and cover. 305,085, 12-19-89, Cl. D7-16.000.
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Otto, Thomas J.; and Pinkerton, Stevens V., Jr., to Acoustics Development Corporation. Cluster type telephone booth. 302,907, 8-22-89, Cl. D6-337.000.
Oura, Takao; Okada, Hideki; and Hosaka, Masayoshi, to Mitsubishi Denki Kabushiki Kaisha. Combined computer display terminal and telephone. 300,533, 4-4-89, Cl. D14-101.000.
Oura, Takao; Okada, Hideki; and Hosaka, Masayoshi, to Mitsubishi Denki Kabushiki Kaisha. Combined computer display terminal and telephone. 300,744, 4-18-89, Cl. D14-101.000.
Oura, Takao; and Hata, Nobuo, to Mitsubishi Denki Kabushiki Kaisha. Combined computer display terminal and telephone. 304,932, 12-5-89, Cl. D14-101.000.
Outer Circle Products, Ltd.: *See—*
  Melk, Thomas, 300,988, Cl. D3-76.000.
Overy, L. Robert: *See—*
  Crum, Timothy K.; and Overy, L. Robert, 299,827, Cl. D15-9.100.
Oxley Developments Company Limited: *See—*
  Chambers, Jeffrey, 301,459, Cl. D13-24.000.
Oy Wartsila AB: *See—*
  Kopu, Simo, 302,238, Cl. D8-347.000.
Ozawa, Eiji: *See—*
  Iwakura, Masato; Nakayama, Kooichi; and Ozawa, Eiji, 299,710, Cl. D12-110.000.
Ozeki, Kumio, to SMK Corporation. Push button switch. 302,149, 7-11-89, Cl. D13-38.000.
P.H. Tech Inc.: *See—*
  Dallaire, Raymond; and Dallaire, Dominique, 300,567, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 300,568, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 300,664, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,065, Cl. D25-122.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,066, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,067, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,068, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,172, Cl. D25-119.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,173, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,625, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,626, Cl. D25-124.000.
  Dallaire, Raymond; and Dallaire, Dominique, 301,746, Cl. D25-122.000.
Paasonen, Ville: *See—*
  Tervo, Leo; Jouppi, Matti; and Paasonen, Ville, 304,318, Cl. D11-155.000.
Paccar Inc: *See—*
  Fingerle, Robert F., 302,964, Cl. D12-187.000.
Paccar Inc.: *See—*
  Whitmer, Randal P.; and Paul, Jeffrey, 299,706, Cl. D12-96.000.
Pace Collection, Inc., The: *See—*
  Holl, Steven, 303,464, Cl. D6-426.000.
  Rosen, James, 301,413, Cl. D6-397.000.
  Rosen, James, 301,419, Cl. D6-436.000.
  Rosen, Leon, 302,913, Cl. D6-489.000.
  Rosen, Leon, 303,052, Cl. D6-480.000.
Pace Computer Services Pty. Ltd.: *See—*
  Whitley, Kevin J., 302,205, Cl. D24-17.000.
Pace, Jack B. Golf club cover with simulated football helmet. 301,047, 5-9-89, Cl. D21-221.000.
Pace, S. Glen; and Larsen, M. Don, to Sports Replay, Inc. Combined video tape recorder/player and video monitor. 300,026, 2-28-89, Cl. D14-129.000.
Pacesetter Infusion, Ltd.: *See—*
  Konopka, April A., 303,013, Cl. D24-53.000.
Paci, Arduino. Garden telephone stand. 299,294, 1-10-89, Cl. D6-417.000.
Pacific Biotech, Inc.: *See—*
  Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,859, Cl. D24-17.000.
  Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,860, Cl. D24-17.000.
Pacific Health Products, Inc.: *See—*
  Peterson, Richard E.; Hopkins, George C.; and Richards, Gary H. 301,611, Cl. D24-1.100.
Package Research: *See—*
  Wilkinson, William T., 303,627, Cl. D9-300.000.
Packaging House, Inc., The: *See—*
  Seifried, Bruce W., 303,335, Cl. D7-70.000.

Pacquin, Roger L., to InnoPak Corporation. Bottle. 300,119, 3-7-89, Cl. D9-412.000.
Padilla, James M.; Palmer, Carl; and Taylor, Bruce G. Water purifier cabinet or similar article. 303,703, 9-26-89, Cl. D23-207.000.
Padilla, Rubin. Caddy for golf clubs and beverage containers. 302,886, 8-15-89, Cl. D34-15.000.
Pado, John T., to Underwater Systems Australia Limited Underwater vehicle. 304,923, 12-5-89, Cl. D12-308.000.
Paduganan, Arsenio E. Front splash guard for bicycles. 305,113, 12-19-89, Cl. D12-186.000.
Paduganan, Arsenio E. Rear splash guard for bicycles. 305,114, 12-19-89, Cl. D12-186.000.
Page, John F.: *See—*
  G.essett, Charles A., Jr.; Todd, Charles H., III; and Page, John F., 304,341, Cl. D17-21.000.
Page, Robert. Towing vehicle. 299,322, 1-10-89, Cl. D12-14.000.
Page, Robert. Towing vehicle. 299,323, 1-10-89, Cl. D12-14.000.
Page, Robert. Trailer. 305,008, 12-12-89, Cl. D12-105.000.
Pai, Juff S.: *See—*
  Lin, Jui-Chin; and Pai, Juff S., 299,670, Cl. D21-194.000.
Paing, Michel, to Polyconfort, S.A. Adjustable armchair. 301,944, 7-4-89, Cl. D6-368.000.
Pakzad, Bijan, to Fashion World, Inc. Bottle. 301,307, 5-30-89, Cl. D9-382.000.
Palau, Margaret. Bandage. 304,238, 10-24-89, Cl. D24-49.000.
Paley, Steven J., to American Telephone and Telegraph Company, AT&T Bell Laboratories. Portable computer terminal housing for accessing and inputting patient medical data. 303,111, 8-29-89, Cl. D14-100.000.
Palka, James J. Door panel. 304,983, 12-12-89, Cl. D6-492.000.
Pall Corporation: *See—*
  Matkovich, Vlado I., 302,207, Cl. D24-31.000.
Palm, Hubert. Medallion. 301,701, 6-20-89, Cl. D11-96.000.
Palm, James M., Jr.; and Pittenger, Teresa R. B., to Amerock Corporation. Pull. 300,505, 4-4-89, Cl. D8-318.000.
Palmer, Carl: *See—*
  Padilla, James M.; Palmer, Carl; and Taylor, Bruce G., 303,703, Cl. D23-207.000.
Palmer, Ronald. Bait bucket. 303,563, 9-19-89, Cl. D22-136.000.
Palsby, Ole, to Alfi Zitzmann GmbH & Co. Insulated flask. 302,093, 7-11-89, Cl. D7-317.000.
Palumbo, Pacifico A., to Neon Modular Systems, Inc. Base for adjustable tubular lamp bulb. 303,579, 9-19-89, Cl. D26-61.000.
Pan, Ted. Fountain. 303,422, 9-12-89, Cl. D23-201.000.
Pandolfi, Alberto, to Brevelle Gaggia S.p.A. Espresso machine. 299,999, 2-28-89, Cl. D7-309.000.
Pandolfi, Alberto, to Brevetti Gaggia S.p.A. Espresso machine. 300,597, 4-11-89, Cl. D7-309.000.
Pandolfi, Alberto, to Brevetti Gaggia S.p.A. Base tray for an espresso machine and a coffee mill. 302,219, 7-18-89, Cl. D6-467.000.
Panella, Roger C., to Double R Enterprises. Syrup bottle. 304,906, 12-5-89, Cl. D9-383.000.
Pangborn Corporation: *See—*
  Carpenter, James H., 304,455, Cl. D15-126.000.
Pangborn Corporation, Inc.: *See—*
  Carpenter, James H., 304,199, Cl. D15-126.000.
Pangburn, Thomas E.: *See—*
  Goodner, Douglas E.; Iorio, David V.; Pangburn, Thomas E.; Stoyer, Roy D.; and Worth, Ronald K., 305,244, Cl. D18-18.000.
Panini, Ugo. Bill sorting machine. 299,354, 1-10-89, Cl. D15-199.000.
Panzani-Milliat Freres: *See—*
  Seris, Georges, 302,117, Cl. D9-389.000.
Paone, Anne. Protective visor for use when bathing. 303,040, 8-29-89, Cl. D2-510.000.
Papa, Michael S.: *See—*
  Rogler, William C.; Papa, Michael S.; and Temple, Edward J., 300,805, Cl. D9-390.000.
Papaefstathiou, Stathies. Golf clock frame. 303,219, 9-5-89, Cl. D10-6.000.
Papak, Eugene P.: *See—*
  Grinyer, Clive A.; and Papak, Eugene P., 304,443, Cl. D14-258.000.
Papas, Con. Coaster. 300,159, 3-7-89, Cl. D21-224.000.
Pape, John A.: *See—*
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 300,333, Cl. D21-63.000.
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 300,440, Cl. D21-111.000.
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 300,542, Cl. D21-59.000.
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 302,193, Cl. D21-130.000.
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 302,445, Cl. D21-59.000.
  Thomson, Harry S.; Raffo, Dzvid M.; and Pape, John A., 303,128, Cl. D21-79.000.
  Thomson, Harry S.; Raffo, David M.; and Pape, John A., 304,483, Cl. D21-105.000.
Pappas, Angelo G. Gun sling. 304,977, 12-12-89, Cl. D3-101.000.
Parabita, Giovanni. Foldable beach mat or similar article. 299,988, 2-28-89, Cl. D6-368.000.
Paramount Plastics, Inc.: *See—*
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  Klamer, Reuben B.; and Pardo, Beatrice, 300,050, Cl. D21-226.000.
Pardo, John; and Aldrich, Thomas B., III, to Drackett Company, The. Bottle. 300,904, 5-2-89, Cl. D9-373.000.
Pardo, John, to Procter & Gamble Company, The. Push-button dispensing head. 302,389, 7-25-89, Cl. D9-448.000.
Pardo, John; and Torongo, Albert H., to Drackett Company, The. Bottle. 304,998, 12-12-89, Cl. D9-376.000.
Pardo, John: *See—*
  Olson, Elizabeth T.; and Pardo, John, 303,629, Cl. D9-376.000.
Parella, Larry F. Integrant gasoline pump nozzle trigger holder and ice scraper. 301,973, 7-4-89, Cl. D8-349.000.
Parfums Christian Dior: *See—*
  Sayn Wittgenstein, Marie C., 302,873, Cl. D28-85.000.
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  Smith, Park B., 301,668, Cl. D6-592.000.
Park Lane Associates, Inc.: *See—*
  Fontaine, Walter G., Jr., 302,357, Cl. D3-56.000
Park, N. K.; and Hur, Nam K. Backstop for a baseball glove. 301,185, 5-23-89, Cl. D2-623.000.
Parker, David H. Flashlight. 303,846, 10-3-89, Cl. D26-46.000.
Parker, Edward: *See—*
  Parker, Jeffrey L.; and Parker, Edward, 304,692, Cl. D10-60.000.
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Parker Electronics, Inc.: *See—*
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  Sharp, Bernard C., 304,710, Cl. D12-187.000.
Parker, Jay A.: *See—*
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Parker, Jeffrey L.; and Parker, Edward, to Parker Electronics, Inc. Thermostat housing or the like. 304,692, 11-21-89, Cl. D10-60.000.
Parker, Jeffrey L.; and Parker, Edward, to Parker Electronics, Inc. Thermostat housing or the like. 304,911, 12-5-89, Cl. D10-60.000.
Parker, Matthew L.; and Hauser, Michael A. Exercise weight. 299,373, 1-10-89, Cl. D21-196.000.
Parker, William G. Locking tube roller. 303,892, 10-10-89, Cl. D6-541.000.
Parks, John M.: *See—*
  Briggs, Robert W.; and Parks, John M., 302,276, Cl. D15-24.000.
Parks, Willie: *See—*
  Powell, Johnese W.; Parks, Willie; Powell, Levisky; and Jones, Willie B., 303,033, Cl. D99-17.000.
  Powell, Johnese W.; Parks, Willie; Powell, Levisky; and Jones, Willie B., 303,034, Cl. D99-17.000.
Parrish, Douglas J. Indoor basketball goal. 302,575, 8-1-89, Cl. D21-201.000.
Parrish, James M., to Medical Implements, Inc. Urine collector having an integral splash guard. 303,572, 9-19-89, Cl. D24-54.000.
Parrish, James M., to Medical Implements, Inc. Urine collector. 303,573, 9-19-89, Cl. D24-54.000.
Parrish, Lewis E. Camera and flash attachment bracket. 302,697, 8-8-89, Cl. D16-242.000.
Parsons, Kermit F., to Louroth Industries, Inc. Cup holder. 303,199, 9-5-89, Cl. D7-70.000.
Partecipazioni Bulgari, S.p.A.: *See—*
  Bulgari, Paolo, 302,400, Cl. D11-75.000.
  Bulgari, Paolo, 303,229, Cl. D11-3.000.
  Bulgari, Paolo, 304,312, Cl. D11-13.000.
  Bulgari, Paolo, 304,314, Cl. D11-93.000.
  Bulgari, Paolo, 304,315, Cl. D11-93.000.
  Bulgari, Paolo, 304,430, Cl. D11-6.000.
  Bulgari, Paolo, 304,809, Cl. D11-93.000.
Parthenis, John, to Chubb Australia Limited. Window lock. 303,079, 8-29-89, Cl. D8-331.000.
Pashley, Daniel L. Lunch box. 299,698, 2-21-89, Cl. D7-76.000.
Pasillas, Norbert. Chef's hat bottle cap. 303,932, 10-10-89, Cl. D9-451.000.
Pasquini, Henri: *See—*
  Bigo, Jean; and Pasquini, Henri, 305,012, Cl. D12-129.000.
  Bigo, Jean; and Pasquini, Henri, 305,013, Cl. D12-129.000.
Passage, Leo. Hair cutting shears. 302,645, 8-8-89, Cl. D8-57.000.
Pastrone, John, to Abbott Laboratories. Intravenous pump cassette. 305,150, 12-19-89, Cl. D24-8.000.
Pate, John S. Modular video cassette display rack. 299,194, 1-3-89, Cl. D6-407.000.
Pate, Louis. Combined hairstyling scissors-comb. 303,919, 10-10-89, Cl. D8-57.000.
Patel, Bhikhabhai A.: *See—*
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Patsis, William A.; and Diamas, Michael D. Pregnant woman display sign for vehicles. 302,179, 7-11-89, Cl. D20-31.000.
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  Maier, Robert W.; Patterson, Charles J.; Pief, Deiter; Gard, John; and Frentzel, Herman E., 304,505, Cl. D32-1.000.

Patterson, Daniel J. Water hydrant insulated cover. 300,555, 4-4-89, Cl. D23-249.000.
Patti, Anthony J., to Wheel Masters Inc. Combined hub cap and tire connecting air hoses for dual wheels. 302,145, 7-11-89, Cl. D12-207.000.
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  Kawaguchi, Ryuzo, 301,088, Cl. D5-58.000.
  Kawaguchi, Ryuzo, 301,405, Cl. D5-58.000.
Paul Associates, Inc.: *See—*
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  Paul, Stanley M., 299,853, Cl. D23-252.000.
  Paul, Stanley M., 299,854, Cl. D23-252.000.
  Paul, Stanley M., 300,653, Cl. D23-255.000.
  Paul, Stanley M., 300,940, Cl. D23-242.000.
  Paul, Stanley M., 300,941, Cl. D23-242.000.
  Paul, Stanley M., 300,942, Cl. D23-242.000.
  Paul, Stanley M., 301,055, Cl. D23-242.000.
  Paul, Stanley M., 301,056, Cl. D23-242.000.
  Paul, Stanley M., 301,275, Cl. D23-242.000.
  Paul, Stanley M., 301,919, Cl. D23-252.000.
  Paul, Stanley M., 301,920, Cl. D23-255.000.
  Paul, Stanley M., 301,921, Cl. D23-257.000.
  Paul, Stanley M., 302,582, Cl. D23-252.000.
  Paul, Stanley M., 303,284, Cl. D23-242.000.
  Paul, Stanley M., 303,565, Cl. D23-242.000.
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  Paul, Stanley M., 302,203, Cl. D23-257.000.
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Paul, Stanley M., to Paul Associates, Inc. Handle for plumbing fitting. 299,852, 2-14-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Inc. Handle for plumbing fitting. 299,853, 2-14-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Inc. Handle for plumbing fitting. 299,854, 2-14-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Inc. Spout. 300,653, 4-11-89, Cl. D23-255.000.
Paul, Stanley M., to Paul Associates, Inc. Faucet set. 300,940, 5-2-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Faucet set. 300,941, 5-2-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Combined spout and handle set. 300,942, 5-2-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Combined spout and handle set. 301,055, 5-9-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Combined spout and handle set. 301,056, 5-9-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Combined spout and handle set. 301,275, 5-23-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Lavatory handle. 301,919, 6-27-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Inc. Lavatory spout. 301,920, 6-27-89, Cl. D23-255.000.
Paul, Stanley M., to Paul Associates, Inc. Lavatory spout. 301,921, 6-27-89, Cl. D23-257.000.
Paul, Stanley M., to Paul Associates, Ltd. Lavatory handle. 302,202, 7-11-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Ltd. Lavatory handle. 302,203, 7-11-89, Cl. D23-257.000.
Paul, Stanley M., to Paul Associates, Inc. Spout and faucet set. 302,582, 8-1-89, Cl. D23-252.000.
Paul, Stanley M., to Paul Associates, Inc. Faucet set. 303,284, 9-5-89, Cl. D23-242.000.
Paul, Stanley M., to Paul Associates, Inc. Spout and handle set. 303,565, 9-19-89, Cl. D23-242.000.
Paul, Stephen M. Tank carrier. 299,790, 2-14-89, Cl. D3-36.000.
Paulin, Pierre, to Calor S.A. Electric coffee pot. 300,106, 3-7-89, Cl. D7-309.000.
Paulin, Pierre, to Calor S.A. Laundry iron. 300,479, 3-28-89, Cl. D32-69.000.
Paulin, Robert E. Watch band medication container. 305,100, 12-19-89, Cl. D9-324.000.
Pauls, James R.; and D'Innocente, Ralph, to Jacuzzi Whirlpool Bath. Whirlpool spa tub. 305,061, 12-12-89, Cl. D24-38.000.
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  Jacuzzi, Roy A.; Pauls, James R.; and D'Innocente, Ralph, 305,062, Cl. D24-38.000.
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  Darby, Louis F.; Pavan, Daniel; and Worrell, Howard H., Jr., 303,194, Cl. D7-3.000.
Pavelle, Richard. Puzzle. 300,334, 3-21-89, Cl. D21-104.000.
Pavely, Andrew P.: *See—*
  Taylor, Joseph S.; and Pavely, Andrew P., 300,608, Cl. D9-438.000.
Pavlov, Richard J.: *See—*
  Huber, Greg R.; and Pavlov, Richard J., 303,420, Cl. D22-116.000.
Pawlik, James P.; and Erdell, Margaret A. Display sign. 300,642, 4-11-89, Cl. D20-10.000.
Payne, Duncan M., to Optronics, Inc. Portable fluorescent light. 299,550, 1-24-89, Cl. D26-42.000.
Payne, John D.: *See—*
  Large, Eric J. G.; and Payne, John D., 299,189, Cl. D6-335.000.
Payne, Peter R.: *See—*
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Peacock, Perry; and Rainwater, Thomas, to Easton Aluminum Incorporated. Snowshoe. 302,031, 7-4-89, Cl. D21-228.000.
Pearce, William A. Transparent dispenser for rolled film. 300,492, 4-4-89, Cl. D6-518.000.
Pearl Baths Inc.: *See—*
  Dowse, Kent A., 300,661, Cl. D24-38.000.
Pearse, James N.; and Bienwald, Wolfgang F., to Leviton Manufacturing Company, Inc. Fuse puller. 301,675, 6-20-89, Cl. D8-14.000.
Pearse, John. Arm rest for guitar or similar musical instrument. 302,435, 7-25-89, Cl. D17-20.000.
Pearse, John. Pick for stringed instrument. 302,562, 8-1-89, Cl. D17-20.000.
Pearson, Barry, to TI Interlock Limited. Housing for brake mechanism for an industrial machine. 301,343, 5-30-89, Cl. D15-138.000.
Pearson, Bruce E. Weight lifting bar. 303,697, 9-26-89, Cl. D21-198.000.
Pearson, Bruce E. Tricep bar. 305,256, 12-26-89, Cl. D21-198.000.
Pearson, Stanley W. Security bar for protection of pool table coin boxes. 299,421, 1-17-89, Cl. D8-331.000.
Pearson, Stanley W. Combination cup, can 'n coin holder. 299,482, 1-24-89, Cl. D7-70.000.
Pearson, Stanley W. Security bar. 303,623, 9-26-89, Cl. D8-330.000.
Pearson, Stanley W. Adjustable security bar. 304,672, 11-21-89, Cl. D8-331.000.
Peart, Stephen; and Guido, Anthony, to Apple Computer, Inc. Computer housing. 303,791, 10-3-89, Cl. D14-107.000.
Peart, Stephen: *See—*
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  Shaffer, B. Jeremiah, 304,618, Cl. D25-104.000.
  Shaffer, B. Jeremiah, 304,764, Cl. D25-103.000.
  Shaffer, B. Jeremiah, 304,765, Cl. D25-103.000.
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  Powers, Michael V.; and Peavey, Hartley D., 300,538, Cl. D17-20.000.
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  Powers, Michael V.; and Peavey, Hartley D., 300,537, Cl. D17-20.000.
  Powers, Michael V.; and Peavey, Hartley D., 300,538, Cl. D17-20.000.
Pechler, Robert J. Garden hose protection valve. 299,520, 1-24-89, Cl. D23-245.000.
Peddada, Raju B.; and Drew, Robert A., to Kimberly-Clark Corporation. Embossed tissue or similar article. 305,182, 12-26-89, Cl. D5-53.000.
Peddie, Malone. Wooden rail fence. 300,467, 3-28-89, Cl. D25-42.000.
Pedone, James V. Ornamental design for a handle grip. 300,506, 4-4-89, Cl. D8-303.000.
Peed, David B.: *See—*
  Andreasen, James E.; Childre, Casey J.; and Peed, David B., 299,513, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., 299,735, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; and Peed, David B., 299,736, Cl. D22-142.000.
  Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., 300,167, Cl. D22-142.000.
Pei-ai, Yen. Display case with foldable extension plates. 302,911, 8-22-89, Cl. D6-472.000.
Pelly, Charles W.: *See—*
  Carter, Raymond M.; Violand, Thomas E., Jr.; and Pelly, Charles W., 305,183, Cl. D6-366.000.
Pelosi, Raymond, to Organize-it-all, Inc. Cushioned hanger clip or similar article. 303,590, 9-26-89, Cl. D6-328.000.
Pelouze Scale Company: *See—*
  Bungener, John H., 300,124, Cl. D10-91.000.
Peltier, Archie R., to North American Carrousel and Cart Manufacturing Company Inc. Kiosk. 302,500, 8-1-89, Cl. D6-450.000.
Peltier, David L.; and Peltier, John R., to Health-Aire Corporation. Evaporative cooler stand. 299,268, 1-3-89, Cl. D23-354.000.
Peltier, John R.: *See—*
  Peltier, David L.; and Peltier, John R., 299,268, Cl. D23-354.000.
Pemberton, Martin: *See—*
  Groves, Michael; Hume, Anthony; Sothcott, Jonathan; and Pemberton, Martin, 301,704, Cl. D12-40.000.
Pena, Oscar E.; and Heyer, Peter T., to Andersen Corporation. Remote window controller. 305,018, 12-12-89, Cl. D13-35.000.
Pena, Oscar E.; and Heyer, Peter T., to Andersen Corporation. Single window controller. 305,019, 12-12-89, Cl. D13-38.000.
Pendelfin Studios Limited: *See—*
  Heap, Jean W., 301,214, Cl. D11-158.000.
  Heap, Jean W., 301,319, Cl. D11-158.000.
  Roberts, Doreen N., 301,320, Cl. D11-158.000.
  Roberts, Doreen N., 301,321, Cl. D11-158.000.
Penn Emblem Co.: *See—*
  Lippman, Peter R., 305,127, Cl. D15-146.000.
Penn, Philip H.: *See—*
  Carlson, Richard M.; and Penn, Philip H., 301,974, Cl. D8-367.000.
Penrod, Bernice B., to Dayton Precision Mfg. Co. Outdoor support for multiple flower pots. 300,699, 4-18-89, Cl. D6-405.000.
Pensa, Inc.: *See—*
  Kelley, Brenda, 300,687, Cl. D2-318.000.
  Peterson, Robert L., 300,686, Cl. D2-318.000.

Pentel of America, Ltd.: *See—*
  Petterson, Tor, 303,990, Cl. D19-48.000.
Peoples, W. J.; and Kramer, Neal, to Polymer Dynamics (Delaware) Ltd. Shoe innersole. 302,764, 8-15-89, Cl. D2-318.000.
Pepitone, Natal. Water temperature gauge. 301,842, 6-27-89, Cl. D10-57.000.
Pepitone, Natal, to Pepitone, Natal. Tray for holding a paint can and paint tools. 303,467, 9-19-89, Cl. D6-512.000.
Percoco, Joseph V.; and Percoco, Richard. Bookend. 301,720, 6-20-89, Cl. D19-34.100.
Percoco, Richard: *See—*
  Percoco, Joseph V.; and Percoco, Richard, 301,720, Cl. D19-34.100.
Peregrine, Paul K.; and Seamans, Scott A. Carrying case. 300,986, 5-9-89, Cl. D3-71.000.
Peregrine, Paul K.; and Seamans, Scott A. Carrying case. 304,264, 10-31-89, Cl. D3-50.000.
Performance Technologies, Inc.: *See—*
  Lumsden, Lyle, 302,056, Cl. D32-1.000.
Perkins, Dallas. Utensil for opening hard-shelled seafood. 304,797, 11-28-89, Cl. D7-106.000.
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Perkins, Nicholas N.: *See—*
  Boulette, Robert E., III; and Perkins, Nicholas N., 300,344, Cl. D22-126.000.
Perkins, William H., to Drackett Company, The. Dust mop package. 300,905, 5-2-89, Cl. D9-415.000.
Perl, Ludovic A.: *See—*
  Caruso, Jerome C.; Perl, Ludovic A.; and Shane, Robert M., 304,399, Cl. D6-498.000.
Pernosky, Richard J. Strap for securing a seismic water heater. 301,734, 6-20-89, Cl. D23-322.000.
Perricelli, Ralph; and Gonzalez, Raymond. Badge or the like. 304,216, 10-31-89, Cl. D11-99.000.
Perricelli, Ralph. Nose ornament for an automobile. 304,713, 11-21-89, Cl. D12-197.000.
Perrin, Alain-Dominique, to Cartier International B.V. Link chain for bracelet or the like. 303,940, 10-10-89, Cl. D11-13.000.
Perrin, Alain-Dominique, to Cartier International B.V. Link chain for bracelet or the like. 303,941, 10-10-89, Cl. D11-21.000.
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Persoff, Paul. Combined pepper mill and salt shaker. 305,196, 12-26-89, Cl. D7-57.000.
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Persson, Bjorn O. H. Vacuum tankard. 301,425, 6-6-89, Cl. D7-9.000.
Persson, Bjorn O. H. Watertight accessory container. 304,878, 12-5-89, Cl. D3-30.100.
Pery, Edmond, to Sunset Collection S.P.R.L. Spout. 299,951, 2-21-89, Cl. D23-255.000.
Pery, Edmond; and Pery, Edmond, to Sunset Collection S.P.R.L. Faucet spout. 304,853, 11-28-89, Cl. D23-257.000.
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  Pery, Edmond; and Pery, Edmond, 304,853, Cl. D23-257.000.
Pesta, Richard K. Baseball hat. 301,383, 6-6-89, Cl. D2-251.000.
Pestone, William J., to Crawford Products, Inc. Reversible ladder bumper. 303,432, 9-12-89, Cl. D25-68.000.
Peterman, Melvin G.; and Stivers, Bradley A. Bicycle rack. 303,102, 8-29-89, Cl. D12-158.000.
Peters, Alan R.: *See—*
  Kozyrski, Vincent T.; and Peters, Alan R., 304,901, Cl. D8-49.000.
Peters, Joseph L., to Clinical Product Development, Ltd. Wound closure for retaining internal organs or the like during suture. 301,373, 5-30-89, Cl. D24-26.000.
Peters, W. J. P., to Diva Medical Systems bv. Combined diabetic data transfer interface and matching input recorder. 301,613, 6-13-89, Cl. D24-17.000.
Petersen, Alan D. Golf club head. 302,715, 8-8-89, Cl. D21-220.000.
Peterson, Donald G. Belt buckle. 301,702, 6-20-89, Cl. D11-230.000.
Peterson, Kenneth P.: *See—*
  Stanek, Lawrence C.; Taylor, Gerald W.; and Peterson, Kenneth P., 303,465, Cl. D6-494.000.
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  Handler, Milton E.; and Peterson, Michael, 299,687, Cl. D6-574.000.
  Handler, Milton E.; and Peterson, Michael, 304,137, Cl. D6-569.000.
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Peterson, Robert L., to Pensa, Inc. Shoe insole. 300,686, 4-18-89, Cl. D2-318.000.
Peterson, Ronald A.; and Mohrmann-Tidwell, Heidi, to S. C. Johnson & Son, Inc. Bottle or similar article. 301,837, 6-27-89, Cl. D9-377.000.

Peterson, Ronald A.; and Mohrmann-Tidwell, Heidi, to S. C. Johnson & Son, Inc. Bottle or similar article. 302,659, 8-8-89, Cl. D9-377.000.
Petersson, Ingvar, to BRIO AB. Rail element for a toy railway. 303,693, 9-26-89, Cl. D21-143.000.
Petralia, Salvatore; and Young, H. Gerald, to Regina Company, Inc., The. Vacuum cleaner. 301,784, 6-20-89, Cl. D32-22.000.
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  Lane, Stephen; Petrie, Aidan; and Thomas, Erik, 303,535, Cl. D16-217.000.
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  Blochlinger, Alfred; Collins, Christopher; Petroff, Cvetan; and Tench, Wallace, 303,921, Cl. D8-98.000.
  Tench, Wallace; Collins, Christopher; Petroff, Cvetan; and Bremmer, Gordon, 305,096, Cl. D8-99.000.
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Pfaff, Wayne K. Novelty conversation filter or similar article. 300,615, 4-11-89, Cl. D11-158.000.
Pfeifer, Herbert; and Hsiao, Howell, to Sun Microsystems, Inc. Computer housing. 304,823, 11-28-89, Cl. D14-100.000.
Pfeifer, Herbert; Montgomery, Paul; and Sturges, Dan, to Samsung Electronics Co., Ltd. Combination telecommunication set. 304,940, 12-5-89, Cl. D14-151.000.
Pfeifer, Herbert; and Montgomery, Paul, to Samsung Electronics Co., Ltd. Combination wireless handset telephone and speaker/dial stand therefor. 305,118, 12-19-89, Cl. D14-138.000.
Pfeifer, Herbert; and Montgomery, Paul, to Samsung Electronics Co., Ltd. Combination wireless handset telephone and speaker stand therefor. 305,119, 12-19-89, Cl. D14-142.000.
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Phillips, John F., to Alternative Product Marketing, Inc. Vehicle anti-theft key. 303,080, 8-29-89, Cl. D8-347.000.
Phillips, Katherine A. Pillow. 303,897, 10-10-89, Cl. D6-601.000.
Phillips, Michael. Mobile salon. 304,703, 11-21-89, Cl. D12-1.000.
Phillips, Paul A.: *See—*
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Phillips, Trevor, to National Diversified Sales, Inc. Modular drainage channel. 299,543, 1-24-89, Cl. D25-35.000.
Phillips, William B.; and Schaum, David L., to International Business Machines Corporation. Data terminal controller. 303,659, 9-26-89, Cl. D14-100.000.
Phillips, Wyatt L., to QuikTrip Corporation. Convenience store building. 300,860, 4-25-89, Cl. D25-33.000.
Phillips, Wyatt L., to QuikTrip Corporation. Gasoline pump island. 303,803, 10-3-89, Cl. D15-9.200.
Philosophe, Isidore, to Cinram Ltd. Storage unit. 304,880, 12-5-89, Cl. D3-35.000.
Phinney, Raymond C., to Quaker Oats Company, The. Educational toy viewing device. 299,472, 1-17-89, Cl. D19-60.000.
Phinney, Raymond C.; and Moomaw, David E., to Quaker Oats Company, The. Tricycle. 300,619, 4-11-89, Cl. D12-112.000.
Phinney, Raymond C., to Quaker Oats Company, The. Combined video camera and recorder. 303,978, 10-10-89, Cl. D16-202.000.
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  Kamaya, Masashi, 300,813, Cl. D12-157.000.
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Pickhan, Friedhelm. Hotplate. 300,500, 4-4-89, Cl. D7-367.000.

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Pielemeier, William J.: *See—*
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Pierce, Alfred R., Jr. Athletic glove. 299,564, 1-24-89, Cl. D29-22.000.
Pierce, Alfred R., Jr. Forearm protector. 300,676, 4-11-89, Cl. D29-20.000.
Pierson, Jeanne S.; Ebling, Wendell V.; Brown, Jack W.; and Cassimatis, Peter N., to Gish Biomedical, Inc. Arterial filter. 299,269, 1-3-89, Cl. D24-21.000.
Pifher, Eldon T. Utensil caddy. 299,805, 2-14-89, Cl. D7-73.000.
Pike, Andrew A., to Fleet Air. Removable vehicle top. 304,436, 11-7-89, Cl. D12-156.000.
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  Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, 300,368, Cl. D25-124.000.
  Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, 300,369, Cl. D25-124.000.
  Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, 300,370, Cl. D25-124.000.
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  Grise, Daniel, 302,494, Cl. D4-138.000.
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Piorkowski, Peter V. String trimmer attachment for a lawnmower. 304,728, 11-21-89, Cl. D15-16.000.
Pipes, Kevin G. Combination knife. 299,375, 1-10-89, Cl. D22-118.000.
Pipho, Richard D. Synchronized landing aircraft tire. 299,633, 1-31-89, Cl. D12-150.000.
Pipkorn, Howard W. Boat hull. 302,969, 8-22-89, Cl. D12-314.000.
Pipon, Andrew, to Fun-Riders. Stroller. 305,011, 12-12-89, Cl. D12-129.000.
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  Maiocchi, Luigi, 303,236, Cl. D12-147.000.
  Mezzanotte, Mario, 304,560, Cl. D12-146.000.
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  Williams, D. Michael; Kelly, Lois E.; Schweitzer, David W.; Piszko, John; and Lopac, George, 299,936, Cl. D21-63.000.
Pitchersky, Steven J.; and Goldstein, Edwin, to Pitchersky, Steven J.; and Goldstein, Edwin. Table. 304,396, 11-7-89, Cl. D6-451.000.
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Pitkonen, Jorma, to Mobira Oy. Combined dummy control unit handset, with cord and plug, for a mobile radiotelephone set. 301,230, 5-23-89, Cl. D14-138.000.
Pitkonen, Jorma, to Mobira Oy. Combined control unit and holder with upright support and base for a mobile radiotelephone set. 301,340, 5-30-89, Cl. D14-217.000.
Pitkonen, Jorma, to Mobira Oy. Dummy control unit for the handset and fixed vertical holder of a mobile telephone set. 301,466, 6-6-89, Cl. D14-138.000.
Pitkonen, Jorma, to Mobira Oy. Control unit for the handset housing of a mobile radiotelephone set. 301,467, 6-6-89, Cl. D14-138.000.
Pitkonen, Jorma, to Mobira Oy. Combined control unit holder with upright support and base for a mobile radiotelephone set. 301,468, 6-6-89, Cl. D14-138.000.
Pitkonen, Jorma, to Mobira Oy. Combined dummy control unit and holder therefor with upright support and base for a mobile radiotelephone set. 301,469, 6-6-89, Cl. D14-138.000.
Pitkonen, Jorma, to Mobira OY. Combined control unit handset housing with cord and plug, for a mobile radiotelephone. 302,548, 8-1-89, Cl. D14-138.000.
Pittaway, Alan K., to Fiskars Limited. Garden pruner. 301,537, 6-13-89, Cl. D8-4.000.
Pittaway, Alan K., to Fiskars Limited. Garden pruner. 301,538, 6-13-89, Cl. D8-4.000.
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  Fenne, Kenneth R., 303,248, Cl. D13-32.000.
  Fenne, Kenneth R., 304,442, Cl. D13-32.000.
Pitzer, David B.; and Pitzer, R. Knox. Drinking mug. 300,195, 3-14-89, Cl. D7-5.000.
Pitzer, David B.; and Pitzer, R. Knox. Drinking goblet. 301,531, 6-13-89, Cl. D7-5.000.
Pitzer, R. Knox: *See—*
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  Pitzer, David B.; and Pitzer, R. Knox, 301,531, Cl. D7-5.000.
Pivonka, Ralph M. Space heater. 302,462, 7-25-89, Cl. D23-332.000.
Pizarro, Manuel A., III. Serpentine ear ornament. 303,640, 9-26-89, Cl. D11-50.000.
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Platte, Richard L.; and Vanover, Alan W., to Hoover Universal, Inc. Bottle. 302,657, 8-8-89, Cl. D9-375.000.
Platte, Richard L., Sr., to Sierra Spring Water Company. Bottle. 304,999, 12-12-89, Cl. D9-376.000.
Plaut, Rudolf T., to Northmace Limited. Shelving unit. 301,291, 5-30-89, Cl. D6-527.000.
Plaut, Rudolf T., to Northmace Limited. Stand for a hairdryer. 302,052, 7-4-89, Cl. D28-73.000.
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  Akazaki, Michiko, 302,761, Cl. D2-24.000.
  Guss, Shiela, 301,932, Cl. D2-24.000.
  Guss, Shiela, 303,588, Cl. D2-24.000.
  Guss, Shiela, 304,255, Cl. D2-24.000.
  Shonk, Phyllis; and Guss, Shiela, 299,880, Cl. D2-24.000.
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Pletscher, Oskar. Luggage carrier or similar article for two-wheeled vehicles. 303,781, 10-3-89, Cl. D12-158.000.
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Pliett, Jerry L. Suspended cup holder. 304,790, 11-28-89, Cl. D6-514.000.
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  Katsuhiko, Nakakuma, 302,783, Cl. D8-57.000.
  Nakakuma, Katsuhiko, 302,784, Cl. D8-57.000.
  Takahashi, Yoshihiro, 304,456, Cl. D15-132.000.
  Tamamura, Hiromi, 303,872, Cl. D3-18.000.

Podd, George O., III: *See—*
  Case, Robert; Morrow, James D.; and Podd, George O., III, 305,167, Cl. D32-18.000.
Pogue, Lonnie C.; and Kok, Olav, to Systech Corporation. Cluster controller for Input/Output subsystem. 304,331, 10-31-89, Cl. D14-107.000.
Pohlig, August F. Magazine rack. 301,525, 6-13-89, Cl. D6-410.000.
Poilane, Lionel, to S.A.R.L. Poilane. Building. 302,310, 7-18-89, Cl. D25-31.000.
Poilane, Lionel, to S.A.R.L. Poilane. Ceiling structure. 303,292, 9-5-89, Cl. D25-56.000.
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Poirier, David F.: *See—*
  Gonzales, Roman Y.; Zdinak, Paul S.; Marcoccio, Louis E.; and Poirier, David F., 303,655, Cl. D13-12.000.
Poisat, Michel, to Compagnie Plastic Omnium. Refuse container. 302,884, 8-15-89, Cl. D34-5.000.
Poisson, Norman D., to Gillette Company, The. Point and barrel tip assembly for a writing instrument. 299,656, 1-31-89, Cl. D19-54.000.
Poisson, Norman D., to Gillette Company, The. Point and barrel tip assembly for writing instrument. 300,042, 2-28-89, Cl. D19-54.000.
Polar Plastics Ltd.: *See—*
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Polaroid Corporation: *See—*
  Lane, Stephen; Petrie, Aidan; and Thomas, Erik, 303,534, Cl. D16-217.000.
  Lane, Stephen; Petrie, Aidan; and Thomas, Erik, 303,535, Cl. D16-217.000.
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  Wood, Forrest L.; Jensen, Dale H.; Poley, Kenneth P.; Hopper, Randy W.; and Hoover, Charles C., 301,453, Cl. D12-314.000.
Pollard, James K. Fence post puller. 300,801, 4-25-89, Cl. [illegible]
Polson, Alfred, to Precision Lures, Inc. Fishing lure. 302,290, 7-18-89, Cl. D22-128.000.
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  Paing, Michel, 301,944, Cl. D6-368.000.
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  Solbeck, Erik, 302,241, Cl. D8-382.000.
Pomroy, James F., to Plastics, Inc. Covered dish. 299,606, 1-31-89, Cl. D7-16.000.
Pomroy, James F., to Plastics, Inc. Tumbler. 300,705, 4-18-89, Cl. D7-14.000.
Ponsi, Lawrence G.: *See—*
  Hanifl, Paul H.; and Ponsi, Lawrence G., 302,295, Cl. D24-25.000.
Pontbriand, Norman W., Jr., to United Technologies Corporation. Tote box. 304,122, 10-17-89, Cl. D34-43.000.
Pool, Daniel L., to Designer Bathware, Inc. Clothes hook. 304,655, 11-21-89, Cl. D6-323.000.
Pool, Daniel L.: *See—*
  Turner, Robert A.; and Pool, Daniel L., 303,744, Cl. D6-559.000.
Poon, Tik-Wing. Combined rechargeable lantern and power failure lantern. 302,864, 8-15-89, Cl. D26-42.000.
Poore, Robert L., Jr.: *See—*
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Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, to Avery International. Two-sided magnetic folio. 302,699, 8-8-89, Cl. D19-26.000.
Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, to Avery International. Magnetic folio. 302,830, 8-15-89, Cl. D19-26.000.
Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, to Avery International. Three-sided magnetic folio. 304,343, 10-31-89, Cl. D19-26.000.
Pope, Robert R. Sand diverter bar for use on an earth moving vehicle, or similar article. 300,325, 3-21-89, Cl. D15-28.000.
Pope, Timothy T.; Machen, Edmund H.; and Montague, Edgar B., to Kanagaroo Golf Ltd. Motorized golf bag cart. 300,577, 4-4-89, Cl. D34-15.000.
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  Porat, Michael; and Porat, Amir, 302,466, Cl. D24-26.000.
Porat, Michael; and Porat, Amir. Surgical staple remover. 302,466, [illegible]-25-89, Cl. D24-26.000.
Porca[illegible], Dino C., to Snap-on Tools Corporation. Pneumatic hammer. 299,4[illegible]1, 1-17-89, Cl. D8-68.000.
Porcelli, V. Lorenzo. Floor lamp. 299,557, 1-24-89, Cl. D26-106.000.
Porcelli, V. Lorenzo, to Dansk International Designs, Ltd. Tea kettle. 302,511, 8-1-89, Cl. D7-317.000.
Porembski, Horst; and Kappler, Michael, to OSRAM GmbH. Compact fluorescent lamp. 304,087, 10-17-89, Cl. D26-3.000.
Porrello, Dan P. Hydraulic valve lifter removal tool. 301,298, 5-30-89, Cl. D8-14.000.
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Pospisil, Jirina V., to Minnesota Mining and Manufacturing Company. Orthodontic bracket. 303,708, 9-26-89, Cl. D24-16.000.
Pospisil, Jirina V., to Minnesota Mining and Manufacturing Company. Orthodontic bracket. 304,077, 10-17-89, Cl. D24-16.000
Poss, Glen T. Three wheeled pedal driven vehicle. 300,127, 3-7-89, Cl. D12-112.000.
Possemato, Louis. Potted plant hanger or similar article. 300,302, 3-21-89, Cl. D8-367.000.
Possemato, Louis. Potted plant hanger. 301,012, 5-9-89, Cl. D8-373.000.
Post, Steven W.; and Bellandi, Edward A., to FMC Corporation. Spray gun. 304,757, 11-21-89, Cl. D23-226.000.
Poteet, Wendell A., to O'Grady Containers, Inc. Automobile drink holder blank. 303,501, 9-19-89, Cl. D9-433.000.
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Poulin, Placide. Shower stall. 299,523, 1-24-89, Cl. D23-283.000.
Poulsen-Cascade Corporation: *See—*
  Holzman, Robert P., 302,842, Cl. D22-129.000.
  Holzman, Robert P., 304,969, Cl. D22-129.000.
Poulsen, Ole V., to Interlego A.G. Element for a toy aircraft. 303,687, 9-26-89, Cl. D21-91.000.
Poulsen, Ole V., to Interlego A.G. Profile element (rear) for a toy aircraft wing. 304,042, 10-17-89, Cl. D21-91.000.
Poulsen, Ole V., to Interlego A.G. Wheel suspension unit for a toy vehicle. 304,221, 10-24-89, Cl. D21-141.000.
Poulsen, Ole V., to Interlego A.G. Housing for a toy steering gear rod. 304,472, 11-7-89, Cl. D21-141.000.
Poulsen, Ole V., to Interlego A.G. Steering gear for a toy vehicle. 304,473, 11-7-89, Cl. D21-141.000.
Poulsen, Ole V., to Interlego A.G. Steering rod for a toy vehicle. 304,746, 11-21-89, Cl. D21-141.000.
Poulson, Keith L.: *See—*
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Powell, David H.; and Seymour, Richard W., to Lever Brothers Company. Bottle. 303,083, 8-29-89, Cl. D9-375.000.
Powell, Johnese W.; Parks, Willie; Powell, Levisky; and Jones, Willie B., to Creative Markers, Inc. Memorial marker. 303,033, 8-22-89, Cl. D99-17.000.
Powell, Johnese W.; Parks, Willie; Powell, Levisky; and Jones, Willie B., to Creative Markers, Inc. Memorial marker. 303,034, 8-22-89, Cl. D99-17.000.
Powell, Larry, to L. Powell Co. Chest. 301,416, 6-6-89, Cl. D6-440.000.
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  Powell, Johnese W.; Parks, Willie; Powell, Levisky; and Jones, Willie B., 303,034, Cl. D99-17.000.
Powell, Louis D. Friction furnace. 300,772, 4-18-89, Cl. D23-329.000.
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Powers, Genevieve G.; and Powers, Erin D. Convertible tote bag and blanket. 300,784, 4-25-89, Cl. D3-42.000.
Powers, John H., to BioClinical Systems, Inc. Microbiological culture. 301,737, 6-20-89, Cl. D24-8.000.
Powers, Michael V.; and Peavey, Hartley D., to Peavey Electronics Corporation. Guitar head. 300,537, 4-4-89, Cl. D17-20.000.
Powers, Michael V.; and Peavey, Hartley D., to Peavey Electronics Corporation. Guitar head. 300,538, 4-4-89, Cl. D17-20.000.
Pozzi, Ambrogio, to Fratelli Guzzini S.p.A. Ice-bucket. 300,294, 3-21-89, Cl. D7-78.000.
Prager, Howard. Prone/supine pillow. 299,297, 1-10-89, Cl. D6-601.000.
Prater, Ronald E. Simulative toy balloon. 300,837, 4-25-89, Cl. D21-84.000.
Precht, Hans-Jurgen, to Robert Krups Stiftung & Co. KG. Charger for a hand-held mixer. 302,677, 8-8-89, Cl. D13-6.000.
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  - Sawatsky, Henry; Sawatsky, Richard K.; and Sawatsky, David P., 304,206, Cl. D19-86.000.
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  - Bull, John W.; and Smith, David B., 302,451, Cl. D21-195.000.
  - Smith, David B.; Graf, Larry J.; and Miller, Randolph F., 299,369, Cl. D21-191.000.
  - Smith, David B.; Graf, Larry J.; and Miller, Randolph F., 303,695, Cl. D21-191.000.
- Premont, Michel, to Goodyear Tire & Rubber Company, The. Tire. 300,311, 3-21-89, Cl. D12-147.000.
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  - Bell, Ted A.; and Lehner, Daniel F., 302,356, Cl. D3-40.000.
  - Lehner, Daniel F.; and Bell, Ted A., 302,416, Cl. D12-203.000.
  - Lehner, Daniel F.; and Bell, Ted A., 302,417, Cl. D12-203.000.
- Preussner, Andreas, to Siemens Aktiengesellschaft. Desk-top computer housing. 299,651, 1-31-89, Cl. D14-100.000.
- Preussner, Andreas, to Siemens Aktiengesellschaft. Computer housing. 301,470, 6-6-89, Cl. D14-100.000.
- Prevosto, Gianfranco, to Taer SRL. Portable air compressor. 301,247, 5-23-89, Cl. D15-9.000.
- Price, Macy J.; Acker, Norman J.; and Accumanno, Mario B., to Engineered Data Products, Inc. Tape cartridge cart. 299,577, 1-24-89, Cl. D34-21.000.
- Price, Macy J.; and Accumanno, Mario B., to Engineered Data Products, Inc. Tape cartridge storage cart. 300,072, 2-28-89, Cl. D34-21.000.
- Price, Macy J.; and Ball, Laurence G., to Engineered Data Products, Inc. Cartridge storage rack. 300,287, 3-21-89, Cl. D6-407.000.
- Price, Macy J.; and Ball, Laurence G., to Engineered Data Products, Inc. Cartridge storage rack. 300,288, 3-21-89, Cl. D6-407.000.
- Price Pfister, Inc.: *See—*
  - Gonzalez, Teodoro J., 302,110, Cl. D8-398.000.
  - Gonzalez, Teodoro J., 302,243, Cl. D8-398.000.
  - Yost, Holly K., 299,518, Cl. D23-241.000.
  - Yost, Holly K., 304,971, Cl. D23-250.000.
- Price, Scott D., to Black & Decker Inc. Battery pack or similar article. 299,640, 1-31-89, Cl. D13-8.000.
- Price, Scott D.; and Somers, Robert I., to Black & Decker Inc. Air compressor or similar article. 301,887, 6-27-89, Cl. D15-7.000.
- Price, T. David. Fence for an extension table or the like. 300,698, 4-18-89, Cl. D6-400.000.
- Price, T. David. Accessory fence. 301,889, 6-27-89, Cl. D15-133.000.
- Price, T. David. Foldable power tool support. 304,650, 11-21-89, Cl. D6-429.000.
- Price, William. Combination paint can and bottle opener. 301,196, 5-23-89, Cl. D8-18.000.
- Pridgen, Donald L. Combined cap and stereo. 303,314, 9-12-89, Cl. D2-246.000.
- Primiano, Michael J. Water jet teeth cleaner. 304,076, 10-17-89, Cl. D24-15.000.
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- Prindle, William A., to Corning Incorporated. Measuring cup. 303,055, 8-29-89, Cl. D7-50.000.
- Prindle, William A., to Corning Incorporated. Measuring spoon. 303,056, 8-29-89, Cl. D7-50.000.
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  - Cardinal, Anthony J.; Hanekamp, Robert D.; and Olson, Elizabeth T., 303,762, Cl. D9-404.000.
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  - Jacobs, Andre ; May, Richard; Vandebroek, Marcel; and Sporen, Frieda, 300,005, Cl. D9-370.000.
  - Moss, Gates M.; and Ross, Samuel, 304,301, Cl. D9-436.000.
  - Olson, Elizabeth T.; and Pardo, John, 303,629, Cl. D9-376.000.
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  - Ross, Samuel, 302,245, Cl. D9-376.000.
  - Ross, Samuel, 302,246, Cl. D9-376.000.
  - Ross, Samuel, 303,929, Cl. D9-376.000.
- Proctor, Michael K. Visor for cap or the like. 299,981, 2-28-89, Cl. D2-260.000.
- Proctor, Michael K. Visor for cap or the like. 300,081, 3-7-89, Cl. D2-260.000.
- Proctor, Michael K. Visor for cap or the like. 300,386, 3-28-89, Cl. D2-260.000.
- Proctor, Rudy R.; and Reinstein, Fred M., to Turbo Tek Enterprises. Combined hose-attached pressure sprayer and connector for attachment to an additive fluid dispenser. 300,453, 3-28-89, Cl. D23-226.000.
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- Pulda, William J., Jr.; and Berkeley, James E., to Kwik-Way Industries, Inc. Engine loading dolly. 303,309, 9-5-89, Cl. D34-23.000.
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- Puntillo, Edward Anthony: *See—*
  - Puntillo, Theodore F., 299,213, Cl. D8-395.000.
- Puntillo, Theodore Eugene: *See—*
  - Puntillo, Theodore F., 299,213, Cl. D8-395.000.
- Puntillo, Theodore F., to Puntillo, Theodore Eugene; and Puntillo, Edward Anthony, part interest to each. Nail holding attachment for a hammer head. 299,213, 1-3-89, Cl. D8-395.000.
- Purifoy, Linda. Coin holder. 303,863, 10-3-89, Cl. D99-34.000.
- Purkapile, Emerson J., to Philips Home Products. Dual vacuum cleaner design. 304,251, 10-24-89, Cl. D32-21.000.
- Pushelberg, Floyd J.; and Rintala, James A., to Northern Telecom Limited. Telecommunications housing. 299,455, 1-17-89, Cl. D14-240.000.
- Pushelberg, Floyd J.; Rintala, James A.; and Koziol, Leo B., to Northern Telecom Limited. Housing for electrical connector. 301,460, 6-6-89, Cl. D13-24.000.
- Pushelberg, Floyd J., to Northern Telecom Limited. Memory cartridge. 302,427, 7-25-89, Cl. D14-114.000.
- Pushelberg, Floyd J.; Rintala, James A.; and Koziol, Leo B., to Northern Telecom Limited. Enclosure for wires interconnecting electronic equipment modules. 304,325, 10-31-89, Cl. D13-40.000.
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  - Maloney, William J., II, 300,052, Cl. D21-253.000.
  - Maloney, William J., II, 303,824, Cl. D21-200.000.
  - Mazzocco, Leonard J., 303,407, Cl. D21-118.000.
  - McElhaney, Craig J., 299,837, Cl. D21-109.000.
  - McElhaney, Craig J., 299,838, Cl. D21-109.000.
  - McElhaney, Craig J., 303,129, Cl. D21-119.000.
  - Moomaw, David E., 300,439, Cl. D21-109.000.
  - Moomaw, David E., 305,048, Cl. D21-142.000.
  - Murphy, Patrick J., 299,473, Cl. D19-60.000.
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  - Phinney, Raymond C., 299,472, Cl. D19-60.000.
  - Phinney, Raymond C.; and Moomaw, David E., 300,619, Cl. D12-112.000.
  - Phinney, Raymond C., 303,978, Cl. D16-202.000.
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  - Snell-Kelly, Janet E., 303,690, Cl. D21-109.000.
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  - Wehmeyer, Stephen D., 303,691, Cl. D21-122.000.
  - Zinter-Chahin, Christine M., 302,988, Cl. D21-63.000.
- Quan, Patricia D.; Maccano, Angelo; and Greenberg, Robert Y., to L.A. Gear, Inc. Shoe upper. 301,081, 5-16-89, Cl. D2-314.000.
- Quan, Patricia D.; Maccano, Angelo; and Greenberg, Robert Y., to L.A. Gear, Inc. Shoe upper. 304,515, 11-14-89, Cl. D2-314.000.
- Quan, Patricia D., to L.A. Gear, Inc. Shoe upper. 305,177, 12-26-89, Cl. D2-314.000.
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  - Phillips, Wyatt L., 303,803, Cl. D15-9.200.
- Quinn, Brad H.: *See—*
  - Quinn, Jeffrey J.; and Quinn, Brad H., 303,587, Cl. D29-7.000.
  - Quinn, Jeffrey J.; and Quinn, Brad H, 305,166, Cl. D29-8.000.
- Quinn, David, to Supreme Equipment & Systems Corp. End panel. 301,170, 5-16-89, Cl. D25-58.000.
- Quinn, Jeffrey J.; and Quinn, Brad H. Anaesthetic and respiratory face mask. 303,587, 9-19-89, Cl. D29-7.000.
- Quinn, Jeffrey J.; and Quinn, Brad H. Anesthesia and respiratory face mask. 305,166, 12-19-89, Cl. D29-8.000.
- Quinn, John L.: *See—*
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- Quirke, Daniel. Spirometer. 302,464, 7-25-89, Cl. D24-17.000.
- Quong, Paul. Basket for produce. 302,620, 8-1-89, Cl. D34-40.000.
- R. Case & Sons Cutlery Co.: *See—*
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- Rabb, James C. Tether restrainer device, or similar article. 300,507, 4-4-89, Cl. D8-367.000.
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- Rabe, Michael: *See—*
  - Porsche, Ferdinand A.; and Rabe, Michael, 302,649, Cl. D8-99.000.
- Rabinovich, Delfin A., to Fate Sociedad Anonima Industrial, Commercial E inmobiliaria. Segment of a vehicle tire. 300,812, 4-25-89, Cl. D12-147.000.
- Rabitsch, Thermon D. Cover panels for combine skid plate panels. 302,432, 7-25-89, Cl. D15-28.000.
- Raby, Clarence W. Holder for tile layer's tools. 300,802, 4-25-89, Cl. D8-71.000.
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  - Campello, Ugo; Racca, Enrico; and Ryan, Robert, 299,975, Cl. D28-7.000.
- Rademacher, Manfred. Faucet. 299,851, 2-14-89, Cl. D23-241.000.
- Radke, DuWayne C., to Minnesota Mining and Manufacturing Company. Pop-up timing device. 304,311, 10-31-89, Cl. D10-109.000.
- Raffo, David M.: *See—*
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  - Thomson, Harry S.; Raffo, David M.; and Pape, John A., 300,440, Cl. D21-111.000.
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  - Thomson, Harry S.; Raffo, David M.; and Pape, John A., 302,193, Cl. D21-130.000.
  - Thomson, Harry S.; Raffo, David M.; and Pape, John A., 302,445, Cl. D21-59.000.
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- Ragoonath, Sidiram. Tree pruning implement. 300,715, 4-18-89, Cl. D8-12.000.
- Rahman, Salleh. Vehicle rearview mirror. 302,965, 8-22-89, Cl. D12-187.000.
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  - Rainville, Gilles; and Rainville, Francoise, 299,995, Cl. D7-43.000.
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- Rainville, Gilles; and Rainville, Francoise, to Kenyon, Howard A. Croissant slicer. 299,995, 2-28-89, Cl. D7-43.000.
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- Ramp, Robert H., to Bausch & Lomb Incorporated. Pair of sunglasses or the like. 300,226, 3-14-89, Cl. D16-102.000.
- Ramsey, Maynard, III; Muskatello, James; Burton, Arthur; Alexander, Kenneth; and George, John, to Critikon, Inc. Housing for an automated blood pressure and other vital signs monitoring device. 304,233, 10-24-89, Cl. D24-21.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Spout. 301,058, 5-9-89, Cl. D23-257.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Faucet. 302,579, 8-1-89, Cl. D23-238.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Faucet. 302,581, 8-1-89, Cl. D23-238.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Bathroom tissue holder. 303,468, 9-19-89, Cl. D6-523.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Towel ring. 303,469, 9-19-89, Cl. D6-546.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Towel bar. 303,471, 9-19-89, Cl. D6-549.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne, Inc. Bidet set. 303,828, 10-3-89, Cl. D23-242.000.
- Ramsey, Roger H.; and Wilgus, Mitchell L., to Stanadyne Inc. Combined hand shower diverter knob and escutcheon. 303,830, 10-3-89, Cl. D23-254.000.
- Ramsey, Roger H., and Wilgus, Mitchell L., to Stanadyne, Inc. Combined shower control handle and escutcheon. 303,831, 10-3-89, Cl. D23-254.000.
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- Ranz, John C.; Cameron, Robert J.; and Ehlert, William, to Cyclops Corporation. Combined telephone booth and advertising displays. 300,093, 3-7-89, Cl. D6-421.000.
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- Raptis, Audrey M. Combined magazine holder and display frame. 304,985, 12-12-89, Cl. D6-553.000.
- Raskas, Stuart I., to MMG Corporation. Tie display rack. 304,981, 12-12-89, Cl. D6-478.000.
- Rasmussen, Craig. Lower side protector for vehicles. 304,820, 11-28-89, Cl. D12-190.000.
- Rasmussen, Kendall R.; and Rasmussen, Renee. Portable hair washing assembly. 302,340, 7-18-89, Cl. D28-20.000.
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Reisinger, Ludwig; Westphal, Dennis; and Piles, Jonathan, to Certain-Teed Corporation. Window component extrusion. 300,369, 3-21-89, Cl. D25-124.000.
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  Boyer, Harold R.; Braidt, Joseph W.; Gregory, Joseph A.; and Remsburger, Louis J., 301,234, Cl. D14-114.000.
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Rexroth, Fred; and Altnether, Paul J., to Concept, Inc. Handpiece for surgical drive unit for use in arthroscopic surgery. 303,148, 8-29-89, Cl. D24-28.000.
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Reynolds, David P.; Shepard, John D.; and Stone, Samuel L., Jr., to Collins & Aikman Corporation. Automobile trunk liner. 300,524, 4-4-89, Cl. D12-155.000.
Reynolds, David P.; Shepard, John D.; and Stone, Samuel L., Jr., to Collins & Aikman Corporation. Automobile trunk liner. 301,025, 5-9-89, Cl. D12-155.000.
Reynolds, Jerome D.; and Reynolds, Robert L. Concrete form. 299,655, 1-31-89, Cl. D15-136.000.
Reynolds, Larry C. Trolling motor steering attachment. 304,947, 12-5-89, Cl. D15-4.000.
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Rhoa, Gregory A.; and Shah, Pravinchandra B., to Rorer Pharmaceutical Corporation. Pharmaceutical tablet. 300,673, 4-11-89, Cl. D28-2.000.
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Rhoades, Nolan K.; Hauer, Dick W.; and Abraham, Loren E., to Amerock Corporation; and Andersen Corporation. Door pull. 300,719, 4-18-89, Cl. D8-308.000.
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  Siddoway, Craig F.; Richards, Scott H.; Claxton, Bruce A.; Reid, Kevin C.; and Goodman, Robert M., 300,928, Cl. D14-100.000.
Richardson, Beverly J. Therapeutic posture chair. 299,594, 1-31-89, Cl. D6-335.000.
Richardson, Jim M. Arrowhead puller. 299,479, 1-17-89, Cl. D22-199.000.
Richmond, Colin B., II, to Oneida Ltd. Spoon or similar article. 299,203, 1-3-89, Cl. D7-137.000.
Ricks, James E. Golf shoe spike tool. 305,056, 12-12-89, Cl. D21-234.000.

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Ridinger, Stephen T.; and Orr, Russell E., II, to Evets Corporation. Guitar body. 304,954, 12-5-89, Cl. D17-20.000.
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Riley, Alma. False finger nail holder. 299,877, 2-14-89, Cl. D28-61.000.
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Rinaudo, Vincenzo. Dental floss holder. 299,977, 2-21-89, Cl. D28-64.000.
Rinkewich, Isaac. Mobile cabinet. 301,651, 6-13-89, Cl. D34-20.000.
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  Pushelberg, Floyd J.; Rintala, James A.; and Koziol, Leo B., 301,460, Cl. D13-24.000.
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Ritman, Joost R. Covered serving tray for food containers or the like. 300,101, 3-7-89, Cl. D7-16.000.
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Roberge, Ronald R. Multi-layered frying basket. 304,991, 12-12-89, Cl. D7-409.000.
Robert, Jean, to Swatch AG. Watch dial. 302,399, 7-25-89, Cl. D10-126.000.
Robert, Jean, to Swatch AG. Watch dial. 302,531, 8-1-89, Cl. D10-126.000.
Robert, Jean, to Swatch S.A. Ornamental design for a watch dial. 302,800, 8-15-89, Cl. D10-126.000.
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Roberts, Doreen N., to Pendelfin Studios Limited. Table ornament. 301,321, 5-30-89, Cl. D11-158.000.
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Roberts, Phoebe; and Roberts, James M. Combined chair and footrest for use when giving childbirth. 302,361, 7-25-89, Cl. D6-335.000.
Robertson, David E., to Acuhealth Pty. Ltd. Electronic acupuncture unit. 299,748, 2-7-89, Cl. D24-41.000.
Robertson, Michael K., to Lane International Corporation. Manhole step. 304.376, 10-31-89, Cl. D25-69.000.
Robinette-Lehman, Cynthia A., to Aspen Laboratories, Inc. Tourniquet cuff. 302,301, 7-18-89, Cl. D24-34.000.
Robinson, Albert M., Jr. Towel and belt combination. 302,626, 8-8-89, Cl. D2-629.000.
Robinson, Karen. Ice skating doll. 300,646, 4-11-89, Cl. D21-173.000.
Robinson, Kirk A., to Gaddis, Lary P. Card holder. 300,095, 3-7-89, Cl. D6-467.000.
Robinson, T. Jack. Men and boys undergarment. 302,623, 8-8-89, Cl. D2-10.000.
Robison, Beverly M. Combined body lotion applicator and cover therefor. 299,558, 1-24-89, Cl. D28-7.000.
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Rodstein, Harvey B., to Harden Industries, Inc. Combined spout and water control handles. 301,054, 5-9-89, Cl. D23-242.000.
Rodstein, Harvey B., to Harden Industries, Inc. Combined spout and water control handles. 301,516, 6-6-89, Cl. D23-242.000.
Roe, Keith A. Container. 302,790, 8-15-89, Cl. D9-307.000.
Roegner, George P., to Lowinger, Andrew G.; and Lowinger, Ronald J. Telephone set for desk or wall emplacement. 301,874, 6-27-89, Cl. D14-148.000.
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Rogers, Orley D.; and Staten, Kenneth E., to Stageright Corporation. Folding stair unit. 304,499, 11-7-89, Cl. D25-62.000.
Rogler, William C.; Papa, Michael S.; and Temple, Edward J., to Monsanto Company. Container. 300,805, 4-25-89, Cl. D9-390.000.
Rogowski, Alan M. Bow holder. 299,199, 1-3-89, Cl. D6-552.000.
Rohner, Eduard, to Rowenta-Werke GmbH. Steam iron or the like. 299,572, 1-24-89, Cl. D32-70.000.
Rojc, John F., to Motorola, Inc. Portable housing for radio handset, transceiver and battery. 301,473, 6-6-89, Cl. D14-137.000.
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Roland, Roger P. Wall or floor-mounted holder for a dispenser-equipped water cooler or the like. 300,890, 5-2-89, Cl. D6-512.000.
Roland, Roger P. Wall or floor-mounted holder for a pressurized cylinder or the like. 300,891, 5-2-89, Cl. D6-512.000.
Rolofson, Jolynn. Pennant windsock. 303,099, 8-29-89, Cl. D10-109.000.
Roman, Gianfranco, to Claber S.p.A. Quick-connect coupling. 299,267, 1-3-89, Cl. D23-262.000.
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Ronkainen, Jyrki, to Temet Oy. Shock absorber. 301,149, 5-16-89, Cl. D15-138.000.
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  Contractor, Avinash M.; Auslander, David E.; and Grim, Wayne M., 301,766, Cl. D28-2.000.
  Contractor, Avinash M.; Auslander, David E.; and Grim, Wayne M., 302,051, Cl. D28-2.000.
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  Rhoa, Gregory A.; and Shah, Pravinchandra B., 300,673, Cl. D28-2.000.
  Rhoa, Gregory A.; and Shah, Pravinchandra B., 301,763, Cl. D28-2.000.
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  Keller, H. Thomas; and Averett, Angela G., 303,594, Cl. D6-444.000.
Rose, Anthony T.; and Rose, Therezia M. Scissors for holding interchangeable blades. 304,673, 11-21-89, Cl. D8-57.000.
Rose, Frank A. Small game skinner. 301,602, 6-13-89, Cl. D22-199.000.
Rose, Martin S., to GEC Plessey Telecommunications Ltd. Cash call public pay telephone stand. 302,691, 8-8-89, Cl. D14-142.000.
Rose, Martin S., to GEC Plessey Telecommunications Ltd. Cash call public pay telephone stand without coin box. 302,814, 8-15-89, Cl. D14-142.000.
Rose, Martin S., to GEC Plessey Telecommunications Ltd. Debit card public pay telephone stand. 304,190, 10-24-89, Cl. D14-142.000.
Rose, Martin S., to GEC Plessey Telecommunications Ltd. Public pay telephone stand with alternative payment means. 304,725, 11-21-89, Cl. D14-142.000.
Rose, Steven J.; and Knowles, Larry F. Panel mounted rack unit. 299,892, 2-21-89, Cl. D6-566.000.
Rose, Therezia M.: *See—*
  Rose, Anthony T.; and Rose, Therezia M., 304,673, Cl. D8-57.000.
Rose, Thomas M.; and Dixon, Carlas F. Gutter. 301,165, 5-16-89, Cl. D23-267.000.
Roseman, Keith: *See—*
  Giungo, John L.; Roseman, Keith; and McNutt, Paul B., 304,965, Cl. D21-213.000.
Rosen, James, to Pace Collection, Inc., The. Combined storage cabinet and display unit. 301,413, 6-6-89, Cl. D6-397.000.
Rosen, James, to Pace Collection, Inc., The. Cabinet. 301,419, 6-6-89, Cl. D6-436.000.
Rosen, Leon, to Pace Collection, Inc., The. End table. 302,913, 8-22-89, Cl. D6-489.000.
Rosen, Leon, to Pace Collection, Inc., The. Table. 303,052, 8-29-89, Cl. D6-480.000.
Rosenbaum, Robert. Necktie or similar article. 299,383, 1-17-89, Cl. D2-605.000.
Rosenblad, Lars-Goran, to Isaberg AB. Stapler. 301,677, 6-20-89, Cl. D8-50.000.
Rosenblad, Lars-Goran: *See—*
  Arns, Stefan; and Rosenblad, Lars-Goran, 305,200, Cl. D8-50.000.
Rosenfeld, Richard K. Envelope opener. 303,211, 9-5-89, Cl. D8-102.000.
Rosenthal Aktiengesellschaft Rechtsabteilung: *See—*
  Fischer-Treyden, Elsa, 299,994, Cl. D7-23.000.
Rosenthal, Gordon, to Fairchild Industries, Inc. Aircraft. 304,924, 12-5-89, Cl. D12-331.000.
Rosenthal, Gordon, to Fairchild Industries, Inc. Aircraft. 304,925, 12-5-89, Cl. D12-331.000.
Rosenwald, Frederic P.; and Furey, Andrew J., to Pilling Company. Laryngoscope. 304,494, 11-7-89, Cl. D24-18.000.
Ross, Andrew J., Jr. Combined dental flosser and toothpick. 301,072, 5-9-89, Cl. D28-64.000.
Ross, John M. Utility tray. 303,310, 9-5-89, Cl. D34-40.000.
Ross, Robert M., Jr.; and McNally, Robert J., to Great Western Trading Corp. Aquarium. 304,246, 10-24-89, Cl. D30-102.000.
Ross, Robert M., Jr.; and McNally, Robert J., to Great Western Trading Corp. Aquarium. 304,247, 10-24-89, Cl. D30-102.000.
Ross, Samuel, to Procter & Gamble Company, The. Bottle. 302,245, 7-18-89, Cl. D9-376.000.
Ross, Samuel, to Procter & Gamble Company, The. Bottle. 302,246, 7-18-89, Cl. D9-376.000.
Ross, Samuel, to Procter & Gamble Company, The. Bottle. 303,929, 10-10-89, Cl. D9-376.000.
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  Beechuk, Timothy J.; and Ross, Samuel, 302,247, Cl. D9-376.000.
  Best, Philip C.; and Ross, Samuel, 302,524, Cl. D9-376.000.
  Moss, Gates M.; and Ross, Samuel, 304,301, Cl. D9-436.000.
Ross, Sophie. Shoe. 299,781, 2-14-89, Cl. D2-284.000.
Ross, Stephen O., to Ivac Corporation. Electronic thermometer case. 300,728, 4-18-89, Cl. D10-57.000.
Ross, Stephen O.; and Bastyr, Charles A., to Enter Computer, Inc. Plotter. 305,208, 12-26-89, Cl. D10-46.000.
Rosso, Vincent A.: *See—*
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Rossow, Mark P. Combined computer copyholder with paper clamp. 303,126, 8-29-89, Cl. D19-91.000.
Rossum, John R., Jr., to 3Com Corporation. Network interface for computer equipment or the like. 299,641, 1-31-89, Cl. D13-24.000.
Rostra Tool Company: *See—*
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Rotech Tooling AB: *See—*
  Aronsson, Joachim S.; Leander, Oskar W.; and Melin, Erik R., 305,238, Cl. D15-139.000.
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Rothfos, Jan B., to KORD Beteiligungsgesellschaft mbH & Co. KG. Glass container. 303,086, 8-29-89, Cl. D9-377.000.
Rothman, Allen J.; and Kligerman, Thomas A., to Crazy Scenes, Inc. Vase. 299,624, 1-31-89, Cl. D11-152.000.
Rothschild, George E.: *See—*
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Roulstone, James E., to Innovative Controls, Inc. Flood light. 304,623, 11-14-89, Cl. D26-63.000.
Rourke, William J. Combined bracket and trash bag support for a post-mounted tray. 304,986, 12-12-89, Cl. D6-574.000.
Roush, Craig K., to Cavan Corporation. Inhalation mask. 300,473, 3-28-89, Cl. D29-7.000.
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  Ewing, Robert L.; Hammond, Douglas S.; Leary, James L.; Meredith, David G.; and Roush, Mark L., 300,671, Cl. D26-67.000.
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  Knochner, Michael; and Lang, Manfred, 299,304, Cl. D7-309.000.
  Knochner, Michael, 299,608, Cl. D7-309.000.
  Rohner, Eduard, 299,572, Cl. D32-70.000.
  Vackiner, Rudolf, 305,158, Cl. D28-35.000.
Rowley, Francis J. B.; and Hollingsworth, Ian M., to Valor Heating Limited. Gas-fired heater. 303,006, 8-22-89, Cl. D23-342.000.

- Rowley, Francis J. B.; and Hollingsworth, Ian M., to Valor Heating Limited. Gas fired heater. 303,141, 8-29-89, Cl. D23-342.000.
- Rowoco Inc.: *See—*
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  - Wolff, Joan P., 303,475, Cl. D7-43.000.
  - Wolff, Joan P., 304,403, Cl. D7-43.000.
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- Roy, Joseph C. School playhouse. 302,571, 8-1-89, Cl. D21-114.000.
- Roy, Joseph C. Church playhouse. 302,572, 8-1-89, Cl. D21-114.000.
- Roy, Joseph C. Carriage house playhouse. 302,710, 8-8-89, Cl. D21-114.000.
- Roy, Joseph C. Play house. 302,836, 8-15-89, Cl. D21-114.000.
- Royal Ordnance plc: *See—*
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  - Suttles, J. Marshall; and Schoepf, Harry, 302,221, Cl. D6-481.000.
  - Suttles, J. Marshall, 303,190, Cl. D6-491.000.
  - White, O. Timothy, 304,535, Cl. D6-516.000.
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- Rubarth, Wesley B. Clamp-on candle hurricane lamp. 300,258, 3-14-89, Cl. D26-11.000.
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  - Haldorsen, Finn, 302,593, Cl. D25-61.000.
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  - Juergens, David A., 303,307, Cl. D34-19.000.
- Rubbermaid Commercial Products, Inc.: *See—*
  - Freese, T. Brent, 304,799, Cl. D7-319.000.
  - Fuller, John M., 302,754, Cl. D30-129.000.
  - Szablak, Michael J.; and Tomblin, Glen E., 303,551, Cl. D19-75.000.
  - Szablak, Michael J.; and Tomblin, Glen E., 303,993, Cl. D19-78.000.
- Rubbermaid Incorporated: *See—*
  - Foran, Kenneth C.; and David, Thomas J., 301,154, Cl. D19-75.000.
  - Foran, Kenneth C.; and David, Thomas J., 301,590, Cl. D19-77.000.
  - Foran, Kenneth C.; and David, Thomas J., 303,813, Cl. D19-77.000.
  - Foran, Kenneth C.; and David, Thomas J., 304,345, Cl. D19-75.000.
  - Foran, Kenneth C.; and David, Thomas J., 304,461, Cl. D19-86.000.
  - Mottmiller, Russell P.; Hobson, Jody A.; Gerber, William C.; and Scofield, Patrick C., 303,231, Cl. D11-143.000.
  - Murphy, Kent W., 299,212, Cl. D8-380.000.
  - Murphy, Kent W., 302,774, Cl. D7-76.000.
- Rubin, Gerald J., to Helen of Troy. Electric shaver. 302,345, 7-18-89, Cl. D28-53.000.
- Rubin, Robert I.: *See—*
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- Rubino, John. Toy top. 301,259, 5-23-89, Cl. D21-95.000.
- Rubio, Hugo. Hand operated exercise bike. 299,841, 2-14-89, Cl. D21-194.000.
- Rubio, Hugo; Riaz, Mohammad; and Patel, Bhikhabhai A., to Biku Industries, Inc. Hand powered scooter. 305,134, 12-19-89, Cl. D21-81.000.
- Rudell, Elliot A.; and Cernansky, Joseph S., to Rudell, Elliot A. Turning pictures playbox. 304,044, 10-17-89, Cl. D21-104.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph Inc. Four-way T-shaped respiratory valve. 300,270, 3-14-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph Inc. Three-way T-shaped respiratory valve with single balloon. 300,271, 3-14-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph, Inc. Three-way T-shaped respiratory valve with dual balloon. 300,272, 3-14-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph Inc. Four way respiratory valve with dual balloon. 300,273, 3-14-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph, Inc. Four way respiratory valve. 300,274, 3-14-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin A., to Hans Rudolph, Inc. Three way Y-shaped respiratory valve. 303,586, 9-19-89, Cl. D29-7.000.
- Rudolph, Hans; and Rudolph, Kevin, to Hans Rudolph, Inc. Two way check respiratory valve. 305,165, 12-19-89, Cl. D29-7.000.
- Rudolph, Kevin: *See—*
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- Rudolph, Kevin A.; and Zavala, Donald C., to Hans Rudolph, Inc. Respiratory mask. 301,774, 6-20-89, Cl. D29-7.000.
- Rudolph, Kevin A.: *See—*
  - Rudolph, Hans; and Rudolph, Kevin A., 300,270, Cl. D29-7.000.
  - Rudolph, Hans; and Rudolph, Kevin A., 300,271, Cl. D29-7.000.
  - Rudolph, Hans; and Rudolph, Kevin A., 300,272, Cl. D29-7.000.
  - Rudolph, Hans; and Rudolph, Kevin A., 300,273, Cl. D29-7.000.
  - Rudolph, Hans; and Rudolph, Kevin A., 300,274, Cl. D29-7.000.
  - Rudolph, Hans; and Rudolph, Kevin A., 303,586, Cl. D29-7.000.
- Rudy, Theodore R.: *See—*
  - Hallgren, Leander; Rudy, Theodore R.; and Waite, Cheryl A., 305,022, Cl. D13-32.000.
- Ruehland, Lothar. Recycling container. 304,873, 11-28-89, Cl. D34-5.000.
- Ruesch, Clarence W., to Reliable Metal Stamping Co., Inc. Water filter 304,363, 10-31-89, Cl. D23-209.000.
- Ruffner, Rico U.: *See—*
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- Ruger, William B.; and Larson, Lawrence L., to Sturm, Ruger & Company, Inc. Grip panel for handgun. 300,057, 2-28-89, Cl. D22-108.000.
- Ruger, William B.; and Larson, Lawrence L. Small revolver with hammer. 301,911, 6-27-89, Cl. D22-104.000.
- Ruger, William B.; and Larson, Lawrence L., to Sturm, Ruger & Company, Inc. Rifle stock with inserts. 304,223, 10-24-89, Cl. D22-108.000.
- Ruggels, Inc.: *See—*
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- Ruhl, Walter F.; Steed, Jeffrey A.; and Weaver, James M., to Lambert Corporation. Vacuum-blower unit. 304,103, 10-17-89, Cl. D32-15.000.
- Ruimi, Avi, to Auto-Shade, Inc. Flexible clip. 305,132, 12-19-89, Cl. D19-65.000.
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- Rumbaugh, James T.; and Benit, Brad J., to Berkley, Inc. Spinning rod handle. 302,845, 8-15-89, Cl. D22-142.000.
- Rumbaugh, James T.; and Benit, Brad J., to Berkley, Inc. Bait casting rod handle. 302,846, 8-15-89, Cl. D22-142.000.
- Rumbaugh, James T.; and Benit, Brad J., to Berkley, Inc. Spin casting rod handle. 302,847, 8-15-89, Cl. D22-142.000.
- Rupert, Claire A. Half-slip. 304,645, 11-21-89, Cl. D2-21.000.
- Rupert, Claire A. Half-slip. 304,646, 11-21-89, Cl. D2-21.000.
- Rupert, Claire A. Half-slip. 304,647, 11-21-89, Cl. D2-20.000.
- Rupp, Orland K. Trophy or similar article. 302,402, 7-25-89, Cl. D11-132.000.
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- Ruskin, Arthur, to York Plastics Corporation. Door stop. 302,939, 8-22-89, Cl. D8-402.000.
- Russell, Bruce. Fishing plug. 303,136, 8-29-89, Cl. D22-133.000.
- Russell, Kevin S. Wall mounted dual dryer system. 301,638, 6-13-89, Cl. D28-14.000.
- Russell, Mary; and Karnikis, Cheryle. Doll. 303,413, 9-12-89, Cl. D21-177.000.
- Russell, Richard H.; and McLinden, Thomas V., to Eastern Company, The. Mounting bracket for a flush-mounted latch assembly. 302,239, 7-18-89, Cl. D8-366.000.
- Russell, Richard H.; and McLinden, Thomas V., to Eastern Company, The. Mounting brackets for latches and locks. 303,350, 9-12-89, Cl. D8-343.000.
- Russell, Richard H.; and Kaiser, David W., to Eastern Company, The. Flush mounted latch assembly. 303,617, 9-26-89, Cl. D8-306.000.
- Russell, Richard H.; and Kaiser, David W., to Eastern Company, The. Combined housings and handles for latches and locks. 303,618, 9-26-89, Cl. D8-306.000.
- Russell, Richard H.; Kaiser, David W.; and O'Grady, Richard M., to Eastern Company, The. Flush mounted latch assembly. 303,619, 9-26-89, Cl. D8-313.000.
- Russell, Richard H.; and Kaiser, David W., to Eastern Company, The. Flush mounted latch assembly. 303,620, 9-26-89, Cl. D8-313.000.
- Russell, Richard H.; and Kaiser, David W., to Eastern Company, The. Flush mounted latch assembly. 303,621, 9-26-89, Cl. D8-313.000.
- Russell, Richard H.; Kaiser, David W.; and O'Grady, Richard M., to Eastern Company, The. Housings for latches or locks. 303,922, 10-10-89, Cl. D8-321.000.
- Russell, Richard H.; and Kaiser, David W., to Eastern Company, The. Flush mounted latch assembly. 304,155, 10-24-89, Cl. D8-303.000.
- Russell, Robert A., to Garry Miller & Associates Pty. Limited. Spinal immobilizer. 302,308, 7-18-89, Cl. D24-64.000.
- Russell William, Ltd.: *See—*
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- Russello, Thomas; and Sangiamo, Richard, to Keene Corporation. Adjustable light fixture with high intensity reflector. 300,669, 4-11-89, Cl. D26-63.000.
- Russello, Thomas; and Sangiamo, Richard, to Keene Corporation. Adjustable light fixture with louvered reflector. 300,872, 4-25-89, Cl. D26-63.000.
- Rutherford, J. Terry. Exterior face of a set of vehicle windows. 301,225, 5-23-89, Cl. D12-183.000.
- Rutherford, William, to Fioris Pty. Ltd. Longitudinal framework for a screening apparatus used in grading ore or the like. 300,222, 3-14-89, Cl. D15-28.000.
- Rutherford, William, to Fioris Pty. Ltd. Transverse bar for framework for screening apparatus. 302,162, 7-11-89, Cl. D15-28.000.
- Rutty, Edward C., to Stanley Works, The. Belt mounted rule holder. 299,385, 1-17-89, Cl. D3-100.000.
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- Ryan, Ida M. Cake icing marker set. 299,401, 1-17-89, Cl. D7-43.000.
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- Ryan, Rupert T. Measuring jug. 299,607, 1-31-89, Cl. D7-50.000.
- Ryan, Vernon E. Fish lure. 299,677, 1-31-89, Cl. D22-128.000.
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  - Doi, Tetsuyuki; and Hiraishi, Etsuo, 300,843, Cl. D22-140.000.
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  - Hoshino, Kiyoshi; and Akazawa, Shumi, 299,808, Cl. D8-68.000.
  - Hoshino, Kiyoshi; and Saito, Toshiaki, 301,198, Cl. D8-61.000.
  - Hoshino, Kiyoshi; and Saito, Toshiaki, 305,093, Cl. D8-61.000.
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  - Sakamoto, Masakazu; and Saito, Toshiaki, 301,967, Cl. D8-67.000.
  - Sakamoto, Masakazu; and Saito, Toshiaki, 302,930, Cl. D8-62.000.
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  - Peterson, Ronald A.; and Mohrmann-Tidwell, Heidi, 302,659, Cl. D9-377.000.
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- Saari, Vivian L. Plant support. 303,911, 10-10-89, Cl. D8-1.000.
- Saas, Francis. Exhaust roof cap. 304,367, 10-31-89, Cl. D23-373.000.
- Sabatino, Giovanni. Paint tray. 303,304, 9-5-89, Cl. D32-53.100.
- Sabhlok, Jatinder P.: *See—*
  - Blum, Jeffrey A.; and Sabhlok, Jatinder P., 302,948, Cl. D9-418.000.
- Sabian Ltd.: *See—*
  - Hargrove, James V., 301,893, Cl. D17-22.000.
- Sable, Arthur J.; and Samson, Jeffrey T., to Sable Instruments, Inc. Video film recorder. 300,535, 4-4-89, Cl. D16-221.000.
- Sable Instruments, Inc.: *See—*
  - Sable, Arthur J.; and Samson, Jeffrey T., 300,535, Cl. D16-221.000.
- Sable, Lewis E., to Mobil Oil Corporation. Grocery bag holder. 302,062, 7-4-89, Cl. D34-5.000.
- Sabre Safety Limited: *See—*
  - Glynn, Michael H., 304,676, Cl. D8-395.000.
- Sacco, Bruno: *See—*
  - Breitschwerdt, Werner; Mischke, Arthur; and Sacco, Bruno, 302,257, Cl. D12-96.000.
- Sacher, Stephen, to UPI Corporation. Hair holder. 300,675, 4-11-89, Cl. D28-41.000.
- Sachs, Isaac. Cable identification sleeve. 301,722, 6-20-89, Cl. D20-22.000.
- Sachs, Isaac. Cable clip. 302,655, 8-8-89, Cl. D8-396.000.
- Sadler, Jeffery G.: *See—*
  - Tuggle, Lloyd H.; and Sadler, Jeffery G., 304,196, Cl. D15-1.000.
- Sadohara, Toshihiro: *See—*
  - Himuro, Yasuo; and Sadohara, Toshihiro, 301,024, Cl. D12-147.000.
- Saegusa, Masahito; Hashimoto, Kazunori; Ohwada, Takashi; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Yamashita, Taichiro, to Hitachi, Ltd. Facsimile transceiver. 304,578, 11-14-89, Cl. D14-118.000.
- Saegusa, Masahito; Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Sato, Masaki, to Hitachi, Ltd. Facsimile transceiver. 304,874, 11-28-89, Cl. D14-118.000.
- Saegusa, Masahito: *See—*
  - Hashimoto, Kazunori; Saegusa, Masahito; Ohwada, Takashi; Kawakatsu, Yoshihiro; Ohuchi, Katsubumi; Endo, Hiroshi; and Yamashita, Kyoichi, 304,724, Cl. D14-118.000.
- Saf-T-Green Manufacturing Corporation: *See—*
  - Werner, Richard H., 302,520, Cl. D8-382.000.
- Safe-T-Shoot Target Systems: *See—*
  - Ravalli, Stephen W.; Carlson, Richard J.; Foor, Robert T.; and Player, Jack, 300,162, Cl. D22-113.000.
- Safetech Pty. Ltd.: *See—*
  - Wakefield, Lindsay, 302,893, Cl. D34-31.000.
- Safford, Carl A. Tie knot. 301,521, 6-13-89, Cl. D2-609.000.
- Sagar, Percy K.: *See—*
  - VanWassehnova, Emerson J.; and Sagar, Percy K., 304,500, Cl. D25-114.000.
  - VanWassehnova, Emerson J.; and Sagar, Percy K., 304,501, Cl. D25-114.000.
- Sagawa, Kazuo; Higa, Toshiro; and Mouri, Yoshio, to Kyusyu Hitachi Maxwell, Ltd. Electric dry shaver. 302,742, 8-8-89, Cl. D28-51.000.
- Sage Products, Inc.: *See—*
  - Hanifl, Paul H.; and Ponsi, Lawrence G., 302,295, Cl. D24-25.000.
  - Hanifl, Paul H., 304,109, Cl. D34-7.000.
  - Lee & Smith; Hanifl, Paul H.; and Newton, John J., Jr., 304,080, Cl. D24-54.000.
- Sahm, Victor A., Jr. Pallet. 300,075, 2-28-89, Cl. D34-38.000.
- Saigo, Masashi: *See—*
  - Kamei, Taketo; and Saigo, Masashi, 304,241, Cl. D26-3.000.
- Saint-Amand, Elmer, to Saint-Amand Manufacturing Co., Inc. Pipette. 299,956, 2-21-89, Cl. D24-55.000.
- Saint-Amand, Elmer, to Saint-Amand Manufacturing Co. Dispensing pipette. 303,151, 8-29-89, Cl. D24-55.000.
- Saint-Amand, Elmer, to Saint-Amand Manufacturing Co. Volumetric dispensing pipette. 303,152, 8-29-89, Cl. D24-55.000.
- Saint-Amand Manufacturing Co.: *See—*
  - Saint-Amand, Elmer, 303,151, Cl. D24-55.000.
  - Saint-Amand, Elmer, 303,152, Cl. D24-55.000.
- Saint-Amand Manufacturing Co., Inc.: *See—*
  - Saint-Amand, Elmer, 299,956, Cl. D24-55.000.
- Saint Island International Patent & Law Offices: *See—*
  - Lu, Chien-Chang, 301,994, Cl. D11-210.000.
- St. Joe Lighting, Inc.: *See—*
  - Bohler, Robert E., 302,477, Cl. D26-81.000.
  - Bohler, Robert E., 302,478, Cl. D26-81.000.
  - Bohler, Robert E., 302,479, Cl. D26-81.000.
  - Bohler, Robert E., 302,736, Cl. D26-81.000.
- Saint, Nathanael: *See—*
  - Dillner, James M.; and Saint, Nathanael, 304,523, Cl. D6-391.000.
- Saito, Akira, to Nihon Kaiheiki Kogyo Kabushiki Kaisha. Push button switch. 301,136, 5-16-89, Cl. D13-38.000.
- Saito, Junichi, to Sharp Kabushiki Kaisha. Microwave oven with toaster. 303,607, 9-26-89, Cl. D7-351.000.
- Saito, Shigeru: *See—*
  - Ikeda, Hideyuki; and Saito, Shigeru, 304,073, Cl. D23-351.000.
- Saito, Toshiaki: *See—*
  - Hoshino, Kiyoshi; and Saito, Toshiaki, 301,198, Cl. D8-61.000.
  - Hoshino, Kiyoshi; and Saito, Toshiaki, 305,093, Cl. D8-61.000.
  - Sakamoto, Masakazu; and Saito, Toshiaki, 301,967, Cl. D8-67.000.
  - Sakamoto, Masakazu; and Saito, Toshiaki, 302,930, Cl. D8-62.000.
- Sajadieh, Morteza. Tumbler. 305,193, 12-26-89, Cl. D7-6.000.
- Sakae Ringyo Co., Ltd.: *See—*
  - Chounan, Yoshiya, 299,449, Cl. D12-125.000.
  - Chounan, Yoshiya, 299,450, Cl. D12-125.000.
  - Chounan, Yoshiya, 302,668, Cl. D12-125.000.
- Sakaguchi, Hiroshi; and Ikuzawa, Yoko, to Sharp Corporation. Electronic thermometer. 299,812, 2-14-89, Cl. D10-57.000.
- Sakaguchi, Hiroshi; Iida, Katsuhiro; and Takahashi, Toshiya, to Sharp Kabushiki Kaisha. Electronic calculator. 303,121, 8-29-89, Cl. D18-7.000.
- Sakaguchi, Hiroshi; Iida, Katsuhiro; and Takahashi, Toshiya, to Sharp Kabushiki Kaisha. Electronic calculator. 303,539, 9-19-89, Cl. D18-6.000.
- Sakaguchi, Hiroshi; Iida, Katsuhiro; and Takahashi, Toshiya, to Sharp Kabushiki Kaisha. Electronic calculator. 303,679, 9-26-89, Cl. D18-7.000.
- Sakaguchi, Hiroshi; and Takahashi, Toshiya, to Sharp Kabushiki Kaisha. Electronic calculator. 303,681, 9-26-89, Cl. D18-7.000.

Sakaguchi, Hiroshi; and Kawamura, Masaki, to Sharp Kabushiki Kaisha. Input/output terminal. 304,175, 10-24-89, Cl. D14-100.000.
Sakaguchi, Hiroshi; and Kawamura, Masaki, to Sharp Kabushiki Kaisha. Input/output device for electronic memo. 304,718, 11-21-89, Cl. D14-100.000.
Sakaguchi, Hiroshi: *See—*
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Kawamura, Masaki, 299,700, Cl. D10-57.000.
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Satake, Noriko, 303,677, Cl. D18-7.000.
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Kawamura, Masaki, 303,678, Cl. D18-7.000.
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Harada, Mieko, 303,680, Cl. D18-7.000.
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Takahashi, Toshiya, 303,807, Cl. D18-7.000.
  Yubisui, Takahisa; Sakaguchi, Hiroshi; and Takahashi, Toshiya, 303,980, Cl. D18-7.000.
Sakai, Akira, to Tokyo Metal Co., Ltd. Digital counter for potentiometer. 301,555, 6-13-89, Cl. D10-97.000.
Sakai, Koichi, to Imanishi Kinzoku Kogyo Kabushiki Kaisha. Kerosene heater. 300,455, 3-28-89, Cl. D23-336.000.
Sakai, Koichi, to Imanishi Kinzoku Kogyo Kabushiki Kaisha. Kerosene heater. 300,456, 3-28-89, Cl. D23-336.000.
Sakai, Koichi, to Imanishi Kinzoku Kogyo Kabushiki Kaisha. Kerosene stove. 300,774, 4-18-89, Cl. D23-338.000.
Sakai, Koichi, to Imanishi Kinzoku Kogyo Kabushiki Kaisha. Kerosene stove. 300,775, 4-18-89, Cl. D23-338.000.
Sakai, Toshiaki, to Twin Bird Industrial Company Limited. Table lamp. 300,876, 4-25-89, Cl. D26-107.000.
Sakai, Yoshiaki: *See—*
  Noda, Yasushi; Takeuchi, Kenji; and Sakai, Yoshiaki, 300,323, Cl. D14-109.000.
Sakama, Satoru: *See—*
  Kato, Shuzo; Sakama, Satoru; and Nemoto, Asami, 303,538, Cl. D18-4.000.
  Kato, Shuzo; Sakama, Satoru; and Takahashi, Tamihei, 303,979, Cl. D18-13.000.
  Kato, Shuzo; Sakama, Satoru; and Takahashi, Tamihei, 304,203, Cl. D18-13.000.
Sakamaki, Yuji: *See—*
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Sakamoto, Hideaki: *See—*
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Sakamoto, Masakazu; and Saito, Toshiaki, to Ryobi Ltd. Power concrete hammer. 301,967, 7-4-89, Cl. D8-67.000.
Sakamoto, Masakazu; and Saito, Toshiaki, to Ryobi Ltd. Portable electric sander. 302,930, 8-22-89, Cl. D8-62.000.
Sakamoto, Mitsunori. Puncturable transparent container. 304,299, 10-31-89, Cl. D9-425.000.
Sakko, Michael W. Roadway marker. 301,209, 5-23-89, Cl. D10-113.000.
SAKS 2915 Illimite Inc.: *See—*
  Desbiens, Yvonne A., 300,207, Cl. D9-305.000.
Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, to Mitsubishi Denki Kabushiki Kaisha. Heat radiation plate. 300,240, 3-14-89, Cl. D23-314.000.
Sakuma, Tsutomu; Kishi, Toshiaki; Miura, Tamotsu; and Ooba, Takeshi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,447, 1-17-89, Cl. D12-110.000.
Sakurado, Hideyuki: *See—*
  Kikuchi, Hideto; and Sakurado, Hideyuki, 300,525, Cl. D12-181.000.
Sakurai, Sachie, to Brother Kogyo Kabushiki Kaisha. Ink ribbon cassette. 304,597, 11-14-89, Cl. D18-12.000.
Sakuta, Kazuaki, to Canon Kabushiki Kaisha. Processor for magnetic image data from a still video camera. 304,937, 12-5-89, Cl. D14-109.000.
Sala, Andre R., to Antonio Puig, S.A. Perfume bottle. 302,248, 7-18-89, Cl. D9-403.000.
Sala, Andre R., to Antonio Puig, S.A. Perfume bottle. 302,249, 7-18-89, Cl. D9-403.000.
Sala, Andre R., to Antonio Puig, S.A. Perfume bottle. 302,386, 7-25-89, Cl. D9-403.000.
Salacuse, Frank S. Stackable packaging unit. 303,502, 9-19-89, Cl. D9-456.000.
Salem, Fred J. Single rotary cutter. 303,615, 9-26-89, Cl. D8-98.000.
Salerno, Arthur. Lift chair for use primarily by the invalid and elderly. 300,188, 3-14-89, Cl. D6-370.000.
Salis International, Inc.: *See—*
  Salis, Lawrence R., 300,540, Cl. D19-35.000.
Salis, Lawrence R., to Salis International, Inc. Art supply package. 300,540, 4-4-89, Cl. D19-35.000.
Sallus, Michael D. Combined antenna and light or the like. 303,262, 9-5-89, Cl. D14-230.000.
Salovaara, Juhani, to Tunturipyora Oy. Electronic ergometer. 301,268, 5-23-89, Cl. D21-194.000.
Salton Housewares, Inc.: *See—*
  Klein, Max, 300,103, Cl. D7-300.000.
  Klein, Max, 300,105, Cl. D7-309.000.
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Saltz, Jeffrey B.: *See—*
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  Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, 303,507, Cl. D10-106.000.
  Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, 305,180, Cl. D3-62.000.
  Arduini, Giovanni; Bonfanti, Lorenzo; and Salvemini, Gianfranco, 305,210, Cl. D3-62.000.
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Sambonet, Sergio, to Sambonet S.p.A. Cutlery handle. 303,201, 9-5-89, Cl. D7-152.000.
Sambonet S.p.A.: *See—*
  Sambonet, Sergio, 303,201, Cl. D7-152.000.
Samford, Richard A. Paint spray gun manifold attachment. 305,147, 12-19-89, Cl. D23-263.000.
Sampey, Harry R., to Arax International Corporation. Meterological station with sensor array. 299,215, 1-3-89, Cl. D10-53.000.
Samson, George W.; Lorincz, Eugene; and Hoskinson, Marlin J., to Moore Push Pin Company. Screw eye. 300,116, 3-7-89, Cl. D8-367.000.
Samson, Jeffrey T.: *See—*
  Sabie, Arthur J.; and Samson, Jeffrey T., 300,535, Cl. D16-221.000.
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  Gruenspecht, Mark J.; and Samson, Sam, 299,262, Cl. D21-239.000.
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  King, William L.; and Weisbart, Charles K., 300,689, Cl. D3-71.000.
  King, William L., 301,201, Cl. D8-306.000.
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Samsung Electronics Co., Ltd.: *See—*
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  Pfeifer, Herbert; and Montgomery, Paul, 305,118, Cl. D14-138.000.
  Pfeifer, Herbert; and Montgomery, Paul, 305,119, Cl. D14-142.000.
  Pfeifer, Herbert; Montgomery, Paul; and Sturges, Dan, 305,121, Cl. D14-159.000.
Samuel, Henri, to FRED. Pair of eyeglasses. 302,559, 8-1-89, Cl. D16-102.000.
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  Aoki, Hisao, 304,855, Cl. D23-386.000.
  Aoki, Hisao, 304,856, Cl. D23-386.000.
Sanders, Calvin E. Paper clip or similar article. 302,280, 7-18-89, Cl. D19-65.000.
Sanders, Gayle M., to Martin-Logan, Ltd. Loudspeaker. 302,979, 8-22-89, Cl. D14-214.000.
Sanders, Michael: *See—*
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Sanders, Rodger A. Snow broom. 302,059, 7-4-89, Cl. D32-51.000.
Sandford, William E.; and Linton, Terry B., to Tri Tool Inc. Portable pipe end preparation tool with right angle feed control. 303,487, 9-19-89, Cl. D8-61.000.
Sandgren, Scott W. Protective holder for a beverage. 304,269, 10-31-89, Cl. D6-432.000.
Sandman, Robert B.: *See—*
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Sandoval, Alfredo R. Portable exerciser. 299,939, 2-21-89, Cl. D21-198.000.
Sands, Donald E. Bed rail pad. 299,393, 1-17-89, Cl. D6-503.000.
Sangen, Masashi; Nakamura, Naoyuki; and Matsumura, Takeshi, to Matsushita Electric Industrial Co., Ltd. Compact self-ballasted fluorescent lamp. 302,733, 8-8-89, Cl. D26-3.000.
Sangen, Masashi; and Nakamura, Naoyuki, to Matsushita Electronics Corporation. Fluorescent lamp. 303,297, 9-5-89, Cl. D26-3.000.
San George, Mark: *See—*
  Thompson, Neil J.; Brass, John R.; Fouke, Herbert A.; and San George, Mark, 300,873, Cl. D26-74.000.
Sangiamo, Richard: *See—*
  Russello, Thomas; and Sangiamo, Richard, 300,669, Cl. D26-63.000.
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Sanguinet, Dorothy D.: *See—*
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Sanguinet, Thomas M.; and Sanguinet, Dorothy D. Hand held power scraper. 300,002, 2-28-89, Cl. D8-69.000.

Sanitation Equipment Limited: *See—*
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Sano, Anthony J. Vault cover. 303,864, 10-3-89, Cl. D99-43.000.
Sanrio Company, Ltd.: *See—*
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  Tsuji, Shintaro, 304,418, Cl. D8-57.000.
  Tsuji, Shintaro, 305,079, Cl. D3-33.000.
  Tsuji, Shintaro, 305,095, Cl. D8-95.000.
  Tsuji, Shintaro, 305,128, Cl. D16-132.000.
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  Grange, Kenneth H.; and Santer, Johan C., 302,009, Cl. D14-113.000.
  Grange, Kenneth H.; and Santer, Johan C., 303,254, Cl. D14-113.000.
  Grange, Kenneth H.; and Santer, Johan C., 303,380 Cl. D14-113.000.
Sanyei Electric Co. (HK) Ltd.: *See—*
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Sapp, Samuel C.; and Payne, Peter R., to Marine Technological Exchange, Inc. Planing boat. 300,130, 3-7-89, Cl. D12-311.000
Sapper, Richard, to International System Developments Trust Reg. Combined desk and side extension unit. 300,392, 3-28-89, Cl. D6-426.000.
Sapper, Richard F., to Artemide S.P.A. Ceiling lamp. 301,758, 6-20-89, Cl. D26-85.000.
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Sartori, Francesco. Broom. 300,584, 4-11-89, Cl. D4-132.000.
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Sasaki, Hiroaki; and Nakamura, Yukitsugu, to Canon Kabushiki Kaisha. Keratometer. 299,745, 2-7-89, Cl. D24-17.000.
Sasaki, Yoshio; Sato, Hiroyoshi; Nishikado, Iwamasa; and Kimeda, Tsuneji, to Nitsuko Limited; and Nippon Telegraph and Telephone Corporation. Key telephone set. 301,031, 5-9-89, Cl. D14-151.000.
Sasaki, Yoshio; Ishizuka, Hiroshi; Nishikado, Iwamasa; and Kimeda, Tsuneji, to Nitsuko Limited; and Nippon Telegraph and Telephone Corporation. Telephone handset. 301,578, 6-13-89, Cl. D14-248.000.
Sasaki, Yuichiro; and Uchida, Toshiaki, to Hitachi Koki Company, Ltd. Portable electric screw driver. 301,300, 5-30-89, Cl. D8-68.000.
Sasaki, Yuichiro; and Uchida, Toshiaki, to Hitachi Koki Company, Ltd. Cordless screw driver. 302,646, 8-8-89, Cl. D8-68.000.
Satake, Koji, to Sharp Corporation. Microwave oven. 303,063, 8-29-89, Cl. D7-351.000.
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Sato, Yasuaki; and Sato, Ichiro, to Nakayo Telecommunications Inc. Telephone set. 301,338, 5-30-89, Cl. D14-151.000.
Sato, Yasuharu; and Ohta, Kiyoshi, to NEC Corporation. Control unit for a personal computer. 301,139, 5-16-89, Cl. D14-100.000.
Sato, Yo; and Kashiwaba, Tadao, to Kabushiki Kaisha Sato. Label printer and applying machine. 305,131, 12-19-89, Cl. D18-19.000.
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Savio, Dino M.; and Talcrico, Joseph F., to International Business Machines Corporation. Self-service banking terminal. 303,439, 9-12-89, Cl. D99-28.000.
Savio, Dino M.; and Talerico, Joseph F., to International Business Machines Corporation. Data entry & display. 303,521, 9-19-89, Cl. D14-100.000.
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  Sawatsky, Henry; Sawatsky, Richard K.; and Sawatsky, David P., 304,206, Cl. D19-86.000.
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Sawatsky, Henry; Sawatsky, Richard K.; and Sawatsky, David P., to Precisioncraft Limited. Memo tray. 304,206, 10-24-89, Cl. D19-86.000.
Sawatsky, Henry; and Sawatsky, Richard K., to Precisioncraft Limited. Key ring. 304,782, 11-28-89, Cl. D3-61.000.
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Saxon, Morris B. Locket or similar article. 302,957, 8-22-89, Cl. D11-80.000.
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Schechter, Alvin H.; and Thompson, Carl R., to Coca-Cola Company, The. Full back tower beverage dispenser. 302,369, 7-25-89, Cl. D7-308.000.
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Scheid, William J.; Fennell, Robert D.; Lloyd, Robert D.; Toth, Richard J.; and Strobel, Russell A., to Motorola, Inc. Radio pager or similar article. 303,529, 9-19-89, Cl. D14-191.000.
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Scheid, William J.; McKee, John M.; Kurcbart, Robert; Ranalletta, Joseph V.; Benyo, John R.; and Toth, Richard J., to Motorola, Inc. Radio pager or similar article. 303,969, 10-10-89, Cl. D14-191.000.
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Schifrin, Arthur. Simulated electronic alarm. 303,224, 9-5-89, Cl. D10-106.000.
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Schmidt, Dietrich F., to Capitol Products Corporation. Frame member for windows. 300,256, 3-14-89, Cl. D25-119.000.
Schmidt, Franklin T.; and Hill, David W., to Coleman Company, Inc., The. Hand held spotlight. 300,470, 3-28-89, Cl. D26-45.000
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Schmidt, Gerd, to Hella KG Hueck & Co. Auxiliary headlamp for motor vehicles. 304,622, 11-14-89, Cl. D26-36.000.
Schmidt, Gerd, to Hella KG Hueck & Co. Auxiliary headlamp for motor vehicles. 304,861, 11-28-89, Cl. D26-29.000.
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Schouten, Gerard M., to Armstrong World Industries, Inc. Display rack with viewer for flooring samples. 303,462, 9-19-89, Cl. D6-409.000.
Schouten, Gerard M., to Armstrong World Industries, Inc. Display rack with TV monitor for flooring samples. 303,463, 9-19-89, Cl. D6-409.000.
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Schremmer, Paul M., to Byrne & Davidson Doors (N.S.W.) Pty. Limited. Control unit. 300,220, 3-14-89, Cl. D14-218.000.
Schremmer, Paul M., to Byrne & Davidson Doors (N.S.W.) Pty. Limited. Drive unit for rolling door. 301,743, 6-20-89, Cl. D25-49.000.
Schremmer, Paul M., to Bryne & Davidson Doors (N.S.W.) Pty. Limited. Combined cover unit and lamp housing for a rolling door. 301,744, 6-20-89, Cl. D25-49.000.
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Schwartz, Frederic W., to Cable Electric Products, Inc. Lighting control plug-in receiver. 301,868, 6-27-89, Cl. D13-12.000.
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Sedlmair, Gerhard, to Marker Deutschland GmbH. Toepiece for ski binding. 299,734, 2-7-89, Cl. D21-230.000.
Segal, Paul. Mug. 302,634, 8-8-89, Cl. D7-9.000.
Segati, Umberto D. I., to Colgate-Palmolive Company. Bottle. 302,947, 8-22-89, Cl. D9-376.000.
Segati, Umberto D. I., to Colgate-Palmolive Company. Bottle. 303,100, 8-29-89, Cl. D9-408.000.
Segati, Umberto D. I., to Colgate-Palmolive Company. Bottle. 304,297, 10-31-89, Cl. D9-376.000.
Segeren, Walter E. Finger-mounted light. 300,260, 3-14-89, Cl. D26-39.000.
Segill, William, to American Lighting Fixture Corp. Mirrored wall panel for a lighting fixture. 303,019, 8-22-89, Cl. D26-143.000.
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Seiffert, Florian, to Robert Krups Stiftung & Co. KG. Espresso coffee making machine. 299,998, 2-28-89, Cl. D7-309.000.
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  - Hayakawa, Tsuyoshi, 303,227, Cl. D10-129.000.
  - Ikeda, Hidetsugu; and Hayakawa, Tsuyoshi, 303,228, Cl. D10-129.000.
  - Moritaka, Katsuya, 303,226, Cl. D10-129.000.
  - Nomura, Keiko, 303,220, Cl. D10-21.000.
  - Sugano, Hisako, 301,206, Cl. D10-39.000.
  - Sugano, Hisako, 302,126, Cl. D10-22.000.
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  - Wada, Mitsuo, 305,207, Cl. D10-15.000.
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- Seki, Yuichi, to Canon Kabushiki Kaisha. Developing device for copying machine. 303,543, 9-19-89, Cl. D18-36.000.
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- Sekiguchi, Akira; Kubo, Ushio; and Kogen, Yasukazu, to Iwatsu Electric Co., Ltd. Telephone set with moveable display. 300,740, 4-18-89, Cl. D14-151.000.
- Sekine, Isamu, to Kokusai Denki Kabushiki Kaisha. Radio paging receiver. 304,191, 10-24-89, Cl. D14-192.000.
- Sekine, Isamu, to Kokusai Denki Kabushiki Kaisha. Radio pager. 305,233, 12-26-89, Cl. D14-191.000.
- Sekisui Kagaku Kogyo Kabushiki Kaisha: *See—*
  - Kiyota, Yoshihiro; and Muratani, Toyoji, 299,521, Cl. D23-245.000.
- Sekusui Kagaku Kogyo Kabushiki Kaisha: *See—*
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- Selbiger, Lawrence, to AVIA Group International, Inc. Shoe sole. 299,185, 1-3-89, Cl. D2-320.000.
- Selbiger, Lawrence, to AVIA Group International, Inc. Shoe upper. 299,283, 1-10-89, Cl. D2-314.000.
- Selbiger, Lawrence, to Avia Group International, Inc. Shoe upper. 303,870, 10-10-89, Cl. D2-314.000.
- Selbiger, Lawrence; and Backus, Peter P., to Avia Group International, Inc. Shoe upper. 304,516, 11-14-89, Cl. D2-314.000.
- Selby, William L. Fish lure. 300,345, 3-21-89, Cl. D22-132.000.
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- Selke, George V., to Clink Products, Inc. Identification bracelet. 299,911, 2-21-89, Cl. D11-5.000.
- Sellars, James F., Jr.; and Cole, Arnold, to Recognition Equipment Incorporated. Computer terminal cabinet. 303,375, 9-12-89, Cl. D14-102.000.
- Sellner, Bruce A., to Sellner Productions, Inc. Player restraint and gun mount for amusement ride. 303,279, 9-5-89, Cl. D21-242.000.
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  - Sellner, Bruce A., 303,279, Cl. D21-242.000.
- Semm, Horst K., to Wisap Gesellschaft fur Wissenschaff-Lichen Apparatebav mbH. Medical instruction plate for an insufflation apparatus. 303,287, 9-5-89, Cl. D24-8.000.
- Semperit Reifen Aktiengesellschaft: *See—*
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- Senf, Oaklan R. Wood stove. 301,609, 6-13-89, Cl. D23-343.000.
- Senshin Kogyo Kabushiki Kaisha: *See—*
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- Sentmore, Harold V.; and Leggett, Gloriadean A. Blind spot rear view mirror. 302,966, 8-22-89, Cl. D12-187.000.
- Seoil Industrial Co., Ltd.: *See—*
  - Kim, Jong I., 299,620, Cl. D9-345.000.
- Seraphin, Joseph A.; and Talbot, James E., to Film Applicators of North America. Heat gun. 304,011, 10-17-89, Cl. D8-29.100.
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- Sermon, William J., to British Telecommunications public limited company. Communications equipment keyboard housing. 304,338, 10-31-89, Cl. D14-240.000.
- Serres, John R. Satellite dish cover. 304,454, 11-7-89, Cl. D14-231.000.
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  - Takahashi, Nobuyoshi; Yamamoto, Yoshihiko; Fujii, Masao; and Seshimo, Yu, 302,853, Cl. D23-386.000.
- Sestak, Joseph T., to American Sterilizer Company. Headworn imaging unit. 300,476, 3-28-89, Cl. D29-18.000.
- Sestak, Joseph T., to American Sterilizer Company. Medical examination light. 301,627, 6-13-89, Cl. D26-24.000.
- Sestak, Joseph T., to American Sterilizer Company. Headworn imaging unit with visor. 301,644, 6-13-89, Cl. D29-18.000.
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  - Barker, William C.; Desikan, Pathukotta K.; Fraser, Ross E.; Pflueger, Michael W.; and Sethia, Kamal S., 304,727, Cl. D14-241.000.
- Severini, John J. Plastic bag dispenser. 304,136, 10-24-89, Cl. D6-515.000.
- Severson, Glenn O. Lubricating pad for fifth wheel. 301,860, 6-27-89, Cl. D12-161.000.
- Seymore, Doris. Combined skirt and amusement device. 300,480, 4-4-89, Cl. D2-223.000.
- Seymour, Arthur. Electronic housing for breadboarding blocks. 300,624, 4-11-89, Cl. D13-11.000.
- Seymour, Clara P.: *See—*
  - Seymour, Philip M.; and Seymour, Clara P., 300,672, Cl. D27-102.000.
- Seymour, Philip M.; and Seymour, Clara P. Non-smoker's ashtray. 300,672, 4-11-89, Cl. D27-102.000.
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- Shaffer, B. Jeremiah, to Pease Industries, Inc. Decorative glass panel. 303,843, 10-3-89, Cl. D25-109.000.
- Shaffer, B. Jeremiah, to Pease Industries, Inc. Decorative glass panel. 304,618, 11-14-89, Cl. D25-104.000.
- Shaffer, B. Jeremiah, to Pease Industries, Inc. Decorative glass panel. 304,764, 11-21-89, Cl. D25-103.000.
- Shaffer, B. Jeremiah, to Pease Industries, Inc. Decorative glass panel. 304,765, 11-21-89, Cl. D25-103.000.
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  - Andreasen, James E.; Childre, Casey J.; Peed, David B.; and Shahid, Wadre S., 300,167, Cl. D22-142.000.
- Shalaon, Kisheik R. A. Chessboard. 299,933, 2-21-89, Cl. D21-23.000.
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  - Caruso, Jerome C.; Perl, Ludovic A.; and Shane, Robert M., 304,399, Cl. D6-498.000.
- Shanelec, Dennis A. Bodysurfing board. 299,846, 2-14-89, Cl. D21-228.000.
- Shanelec, Dennis A. Bodysurfing board. 299,847, 2-14-89, Cl. D21-228.000.
- Shanelec, Dennis A. Bodysurfing board. 305,144, 12-19-89, Cl. D21-228.000.
- Shanelec, Dennis A. Bodysurfing board. 305,145, 12-19-89, Cl. D21-228.000.
- Shannon, William B., to Ford Motor Company. Wheel cover. 303,104, 8-29-89, Cl. D12-211.000.
- Shapard, Sandra G. Drinking glass. 302,225, 7-18-89, Cl. D7-13.000.
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- Shaper, Richard. Battery pack with removable clip. 300,022, 2-28-89, Cl. D13-8.000.
- Shapiro, Jeffrey H., to A.B.L. Jewelers, Inc. Ring. 299,815, 2-14-89, Cl. D11-35.000.
- Shapiro, Joseph D. Earring. 301,314, 5-30-89, Cl. D11-75.000.
- Sharma, Lok M. Interspaced erosion prevention structure. 299,759, 2-7-89, Cl. D25-117.000.
- Sharp, Bernard C., to Parker Hannifin Corporation. Rear view mirror or similar article. 302,001, 7-4-89, Cl. D12-187.000.
- Sharp, Bernard C., to Parker Hannifin Corporation. Rear view mirror or similar article. 304,710, 11-21-89, Cl. D12-187.000.
- Sharp Corporation: *See—*
  - Ezaki, Akira; Orihara, Tazuo; and Yamaguchi, Kiminori, 301,780, Cl. D32-5.000.
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  - Ikeda, Matafumi; Kuriya, Chikashi; and Nakajima, Mika, 302,876, Cl. D32-18.000.
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  - Kosako, Mikio; and Nishibori, Hiroshi, 299,355, Cl. D18-39.000.
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  - Kurozumi, Shigeru; and Sakamoto, Harumi, 300,041, Cl. D19-52.000.
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  - Ooie, Yoshihisa; and Sugiyama, Masakazu, 301,879, Cl. D14 118.000.
  - Sakaguchi, Hiroshi; and Ikuzawa, Yoko, 299,812, Cl. D10-57.000.
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  - Yamagami, Masafumi; Nishida, Koji; and Matoba, Keiko, 299,874, Cl. D28-13.000.
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  - Yubisui, Takahisa; Sakaguchi, Hiroshi; and Kawamura, Masaki, 299,700, Cl. D10-57.000.
- Sharp, James M., Jr., to Alcatel Business Systems, Inc. Telephone base. 302,272, 7-18-89, Cl. D14-142.000.
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  - Saito, Junichi, 303,607, Cl. D7-351.000.
  - Sakaguchi, Hiroshi; Iida, Katsuhiro; and Takahashi, Toshiya, 303,121, Cl. D18-7.000.
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  - Shiozawa, Hajime; Kimata, Ken; Fukuda, Kouki; Matsumoto, Kuniyasu; and Koyama, Keiichi, 303,523, Cl. D14-106.000.
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- Shaw, Jiajiu. Two wheel roller skate. 305,143, 12-19-89, Cl. D21-226.000.
- Shchamorov, Shlomo; and Schnapp, Aharon, to Mercaz Haargazim Ltd. Collapsible plastic container. 302,897, 8-15-89, Cl. D34-40.000.
- Sheard, Timothy. Food-catching tray. 304,794, 11-28-89, Cl. D7-37.000.
- Sheehan, Terrence M.; Thomason, Jeffery W.; MacConkey, James S.; Reavis, Philip M., Jr.; and Britt, Edmund J., to Hardinge Brothers, Inc. Combined chucker and bar machine. 303,805, 10-3-89, Cl. D15-130.000.
- Sheeler, Joseph W., to Carlisle Tire & Rubber Company. Wheel. 302,674, 8-8-89, Cl. D12-204.000.
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- Sheltra, Ronald, to Marcy Fitness Products. Structural guide column. 300,063, 2-28-89, Cl. D25-120.000.
- Shenjey Industrial Co., Ltd.: *See—*
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  - Reynolds, David P.; Shepard, John D.; and Stone, Samuel L., Jr., 301,025, Cl. D12-155.000.
- Shepard, Keith E., to Plastics Engineering & Development, Inc. Combined pen and eyeglasses holder. 299,246, 1-3-89, Cl. D16-129.000.
- Shepard, Keith E., to Plastics Engineering & Development, Inc. Eyeglasses holder. 299,247, 1-3-89, Cl. D16-129.000.
- Shepard, Melvin E.; and Bussinger, Allen L., to Amigo Sales, Inc. Electrically powered three-wheeled vehicle for the handicapped and others desiring assistance. 303,101, 8-29-89, Cl. D12-131.000.
- Shepherd, Kent L. Elongated implement holder. 301,949, 7-4-89, Cl. D6-457.000.
- Shepherd, Kimberly A. Doll. 299,938, 2-21-89, Cl. D21-184.000.
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  - Reilly, Robin; Sheppard, Robert; Dykstra, John; McCune, Grant; and Valentine, Thomas, 301,347, Cl. D21-84.000.
- Sherman, Barry C., to Mabco Incorporated. Sleep mask. 302,167, 7-11-89, Cl. D16-107.000.
- Sherrard, Steven T., to Tunturi, Inc. Exercise treadmill. 302,837, 8-15-89, Cl. D21-192.000.
- Shershen, Eugene D.; Berger, William G.; and Welliver-Berger, Barbara. Card and playing piece holder for a game. 301,593, 6-13-89, Cl. D21-54.000.
- Sherwood, Carl H.; and Wendt, Peter R., to General Motors Corporation. Exhaust gas recirculation valve cover. 305,028, 12-12-89, Cl. D15-5.000.
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- Sheung, Chow Y., to Sun Hing Audio Equipment Mfy, Limited. Rack for records or the like. 303,592, 9-26-89, Cl. D6-407.000.
- Shibano, Yasuji, to Hosiden Electronics Co., Ltd. Electrical connector. 301,870, 6-27-89, Cl. D13-24.000.
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- Shields, George J.; Zoril, Michael R.; and Zoril, Mark A., to Alna, Inc. Gameboard. 302,182, 7-11-89, Cl. D21-30.000.
- Shields, Robert L. Combined bench, golf ball washer and waste receptacle support. 299,595, 1-31-89, Cl. D6-335.000.
- Shih, Daniel, to Spring Circle Computer Inc. Data transmission modem or similar article. 303,252, 9-5-89, Cl. D14-107.000.
- Shih, Mu S. Packaging case for a feeding bottle. 301,980, 7-4-89, Cl. D9-418.000.
- Shikatani, Edward R., to Don Watt & Associates Communications Inc. Display stand. 300,190, 3-14-89, Cl. D6-45[illegible].000.
- Shim, Jae J., to Gold Star Co., Ltd. Video cassette recorder. 301,880, 6-27-89, Cl. D14-135.000.
- Shim, Jae J., to Gold Star Co., Ltd. Portable computer. 302,974, 8-22-89, Cl. D14-106.000.
- Shimano Industrial Company Limited: *See—*
  - Hanamura, Junichi, 301,438, Cl. D12-111.000.
  - Matsumoto, Akihiko, 303,701, Cl. D22-142.000.
  - Myojo, Seiji, 299,948, Cl. D22-141.000.
  - Myojo, Seiji, 300,165, Cl. D22-140.000.
  - Myojo, Seiji, 300,166, Cl. D22-140.000.
  - Myojo, Seiji, 300,237, Cl. D22-141.000.
  - Myojo, Seiji, 302,843, Cl. D22-140.000.
  - Myojo, Seiji, 302,844, Cl. D22-140.000.
- Shimazaki, Naokazu, to Sony Corporation. Magnetic tape cassette. 303,381, 9-12-89, Cl. D14-121.000.
- Shimizu, Atsushi: *See—*
  - Wada, Masaru; and Shimizu, Atsushi, 303,428, Cl. D24-29.000.
- Shimizu, Hideyasu: *See—*
  - Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ebihara, Tooru; Shimizu, Hideyasu; Tsunematsu, Shinichiro; and Takeda, Hirokazu, 304,722, Cl. D14-118.000.
- Shimizu, Kazutaka: *See—*
  - Fujita, Toshiharu; Yamazaki, Hiroyoshi; Maeda, Noriyuki; Shimizu, Kazutaka; Tanaka, Norihiko; Domon, Yoshihiro; Iwasawa, Kiyoshi; Futatsugi, Mitsuyuki; Takizawa, Fuminobu; Suzuki, Masakatsu; and Kosaka, Makoto, 304,377, Cl. D26-3.000.
- Shimizu, Norio; and Osaka, Hiroshi, to Koyo Electronics Industries Co., Ltd. Television camera. 303,674, 9-26-89, Cl. D16-202.000.
- Shimoda, Masahiro: *See—*
  - Maruyama, Takashi; and Shimoda, Masahiro, 299,816, Cl. D12-110.000.

Shimokawa, Hikoharu: *See—*
Nishiyama, Seiji; and Shimokawa, Hikoharu, 304,555, Cl. D12-110.000.
Shimomura, Masao: *See—*
Itoh, Kazuo; Isaji, Yasuyo; and Shimomura, Masao, 302,165, Cl. D15-127.000.
Shimoo, Kuniyuki; Arita, Toyomi; and Takada, Kazuo, to Sanyo Electric Co., Ltd. Electric shaver. 305,073, 12-12-89, Cl. D28-49.000.
Shimoo, Kuniyuki: *See—*
Fujii, Ichiro; and Shimoo, Kuniyuki, 302,057, Cl. D32-18.000.
Shimoyama, Hiroshi; and Oono, Kiyoshi, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 300,013, 2-28-89, Cl. D12-110.000.
Shimp, Lawrence A.; and Starling, L. Brian. Combined dental syringe and cap. 303,427, 9-12-89, Cl. D24-14.000.
Shin, Myung C., to Gold Star Co., Ltd. Combined cassette player and radio receiver for the blind. 303,967, 10-10-89, Cl. D14-162.000.
Shinn Fu Corporation: *See—*
Lin, Jui-Chin; and Pai, Juff S., 299,670, Cl. D21-194.000.
Shinohara, Muneyoshi, to Takara Co., Ltd. Reconfigurable toy bike. 301,359, 5-30-89, Cl. D21-150.000.
Shinohara, Muneyoshi, to Takara Co., Ltd. Reconfigurable toy jet-plane. 302,447, 7-25-89, Cl. D21-150.000.
Shinohara, Muneyoshi, to Takara Co., Ltd. Reconfigurable toy jet-plane. 302,448, 7-25-89, Cl. D21-150.000.
Shinohara, Muneyoshi, to Takara Co., Ltd. Reconfigurable toy vehicle. 303,409, 9-12-89, Cl. D21-150.000.
Shinohara, Muneyoshi, to Takara Co., Ltd. Reconfigurable toy tank. 303,410, 9-12-89, Cl. D21-150.000.
Shintomi, Hisashi: *See—*
Hamada, Tokimi; and Shintomi, Hisashi, 300,621, Cl. D12-149.000.
Shiozawa, Hajime; Osaka, Kazumi; and Kimata, Ken, to Sharp Kabushiki Kaisha (Sharp Corporation). Pocket computer. 299,464, 1-17-89, Cl. D14-100.000.
Shiozawa, Hajime; Kimata, Ken; Fukuda, Kouki; Matsumoto, Kuniyasu; and Koyama, Keiichi, to Sharp Kabushiki Kaisha. Portable computer. 303,523, 9-19-89, Cl. D14-106.000.
Shiozawa, Hajime; and Koyama, Keiichi, to Sharp Kabushiki Kaisha. Pocket computer. 303,955, 10-10-89, Cl. D14-100.000.
Shippee, Julie A.; and Little, Robert K., to Shippee, Julie A. Convertible wagon and sled vehicle. 302,958, 8-22-89, Cl. D12-6.000.
Shippert, Ronald D. Nasal pack syringe. 301,378, 5-30-89, Cl. D24-60.000.
Shiratani, Sadao: *See—*
Hara, Masaki; Shiratani, Sadao; Sawatani, Masaharu; and Fukunaga, Masataka, 304,931, Cl. D14-100.000.
Shirley, Terry L. Inhalation mask. 302,746, 8-8-89, Cl. D29-7.000.
Shives, Jeny: *See—*
Shives, Robert; and Shives, Jeny, 304,021, Cl. D11-117.000.
Shives, Robert; and Shives, Jeny. Simulated flower with inflated blossom. 304,021, 10-17-89, Cl. D11-117.000.
Shoctor, Ian R. Trash can cart. 303,443, 9-12-89, Cl. D34-18.000.
Shoemaker, Richard E., to Conair Corporation. Ultraviolet light for fingernail treatment. 299,957, 2-21-89, Cl. D24-68.000.
Shonk, Phyllis; and Guss, Shiela, to Playtex Apparel, Inc. Brassiere. 299,880, 2-21-89, Cl. D2-24.000.
Shoptaw, David C.: *See—*
Siegner, George L.; and Shoptaw, David C., 302,265, Cl. D14-100.000.
Siegner, George L.; and Shoptaw, David C., 303,524, Cl. D14-114.000.
Shoreman, Helen Z.; and Unger, Steve A., to Syracuse China Corporation. Decalcomania for china dinnerware or similar articles. 300,292, 3-21-89, Cl. D7-39.000.
Shoreman, Helen Z.; and Unger, Steve A., to Syracuse China Corporation. Decalcomania for china dinnerware or similar articles. 300,401, 3-28-89, Cl. D7-39.000.
Shoreman, Helen Z., to Syracuse China Corporation. Decalcomania for china dinnerware or similar articles. 300,493, 4-4-89, Cl. D7-39.000.
Showa Electric Wire & Cable Co., Ltd.: *See—*
Tanifuzi, Hiroshi; and Nishimura, Tamotsu, 304,714, Cl. D13-1.000.
Shriftman, Morris: *See—*
Dreicer, Scott M.; and Shriftman, Morris, 304,848, Cl. D21-155.000.
Shubukawa, Daishirou, to Takahara Co., Ltd. Reconfigurable toy jet-plane. 302,033, 7-4-89, Cl. D21-150.000.
Shugar, Jenneye L. Adjustable record holder. 302,025, 7-4-89, Cl. D19-34.100.
Shultz, John C. Liquid dispenser or the like. 300,893, 5-2-89, Cl. D6-542.000.
Shultz, Margaret B., to Playtex Apparel, Inc. Brassiere. 302,760, 8-15-89, Cl. D2-24.000.
Shumaker, Ronald D. Fish filleting tool. 303,479, 9-19-89, Cl. D7-106.000.
Shur-Line, Inc.: *See—*
Matthies, Bruce J., 304,992, Cl. D8-40.000.
Shwisha, Haim, to Electrix, Inc. Adjustable lamp. 300,261, 3-14-89, Cl. D26-63.000.
Shwisha, Haim, to Electrix, Inc. Lamp head for an adjustable task light. 301,633, 6-13-89, Cl. D26-63.000.
Siddoway, Craig F.; Richards, Scott H.; Claxton, Bruce A.; Reid, Kevin C.; and Goodman, Robert M., to Motorola, Inc. Portable terminal or similar article. 300,928, 5-2-89, Cl. D14-100.000.
Siddoway, Craig F., to Motorola, Inc. Battery charger. 301,456, 6-6-89, Cl. D1[illegible]-5.000.
Siddoway, Craig F.; Toth, Richard J.; and Stanton, Stephen M., to Motorola, Inc. Speaker grille and keypad for a portable radio or similar article. 302,161, 7-11-89, Cl. D14-257.000.
Siddoway, Craig F.: *See—*
Richards, Scott H.; Karl, David H.; and Siddoway, Craig F., 303,116, Cl. D14-226.000.
Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., 299,226, Cl. D13-8.000.
Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., 302,688, Cl. D14-[illegible]7.000.
Siegel, Edward F., Jr.: *See—*
Buck, David L.; and Siegel, Edward F., Jr., 302,413, Cl. D12-147.000.
Buck, David L.; and Siegel, Edward F., Jr., 302,414, Cl. D12-147.000.
Siegel, Jeff: *See—*
Cohen, Milton L.; and Siegel, Jeff, 302,092, Cl. D7-151.000.
Sieger, James D.: *See—*
Foster, Steven; and Sieger, James D., 300,516, Cl. D10-72.000.
Siegner, George L.; and Shoptaw, David C., to Itron, Inc. Portable hand-held computer. 302,265, 7-18-89, Cl. D14-100.000.
Siegner, George L.; and Shoptaw, David C., to Itron, Inc. Interchangeable circuit module for a portable hand-held computer. 303,524, 9-19-89, Cl. D14-114.000.
Siemens Aktiengesellschaft: *See—*
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Fritzsche, Jochen, 303,966, Cl. D14-151.000.
Lentz, Eberhard, 300,219, Cl. D14-106.000.
Lentz, Eberhard, 303,378, Cl. D14-109.000.
Preussner, Andreas, 299,651, Cl. D14-100.000.
Preussner, Andreas, 301,470, Cl. D14-100.000.
Skrypalle, Ulrich, 300,218, Cl. D14-138.000.
Sienkiewicz, Henry R.: *See—*
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Sierra Spring Water Company: *See—*
Platte, Richard L., Sr., 304,999, Cl. D9-376.000.
Signtech Inc.: *See—*
Gandy, James, 299,545, Cl. D25-57.000.
Sikes, George W. Windmill. 300,932, 5-2-89, Cl. D15-1.000.
Silbersky, Jonnie, to AB Tetra Pak. Packaging machine. 301,290, 6-27-89, Cl. D15-145.000.
Silberstein, Alain. Watch. 300,724, 4-18-89, Cl. D10-32.000.
Silcox, Charles E. Combined confectionery tray, advertising holder and donation box. 304,644, 11-14-89, Cl. D99-36.000.
Sildva, Elle M. Bunting bag. 301,796, 6-27-89, Cl. D2-25.000.
Sills, Robert L., to Dee Zee Manufacturing. Storage cabinet for vehicles. 299,186, 1-3-89, Cl. D3-40.000.
Silva, Braulio. Automobile sun screen. 301,449, 6-6-89, Cl. D12-191.000.
Silveira, Manuel, to Sansil, Inc. Combined beverage container and drinking tube. 303,601, 9-26-89, Cl. D7-5.000.
Silver Seiko Limited: *See—*
Kasagi, Taro; Tamada, Kenji; and Fukui, Yojiro, 299,248, Cl. D18-1.000.
Kasagi, Taro; Tamada, Kenji; and Nagashima, Yoshimitsu, 299,249, Cl. D18-1.000.
Tamada, Kenji; and Endo, Tadashi, 300,434, Cl. D18-1.000.
Silverman, Leslie M. Sign. 300,043, 2-28-89, Cl. D20-10.000.
Simard, Jean F.: *See—*
Galipeau, Guy; and Simard, Jean F., 300,373, Cl. D26-67.000.
Simester, Peter, to Present Games Ltd. Board for playing a game. 302,835, 8-15-89, Cl. D21-35.000.
Simmons Juvenile Products Company, Inc.: *See—*
Brunner, Merlin A.; and Draheim, Harvey J., 302,915, Cl. D6-508.000.
Simmons, William. Baby bottle or similar article. 301,168, 5-16-89, Cl. D24-47.000.
Simon Gompes: *See—*
Ryland, Patrick, 300,441, Cl. D21-160.000.
Simon, Merlin E., to Deere & Company. Utility hauling truck. 301,128, 5-16-89, Cl. D12-15.000.
Simonds, Gary L.: *See—*
Jennings, Thomas P.; and Simonds, Gary L., 300,762, Cl. D[illegible]-107.000.
Simonian, Michael R. Combined tongue scraper and dental flossing tool. 303,426, 9-12-89, Cl. D24-11.000.
Simonin, Jean-Noel, to S.C.O.P. Minibel S.A. Baby's shoe. 301,934, 7-4-89, Cl. D2-278.000.
Simonson, Henry J. Collapsible castable crab trap. 303,135, 8-29-89, Cl. D22-121.000.
Simpkins, Terry J.; and Turner, Richard L., to Midmark Corporation. Examination table. 300,657, 4-11-89, Cl. D24-3.000.
Simpkins, Terry J.; and Harris, David P., to Midmark Corporation. Side rail for a crib. 300,997, 5-9-89, Cl. D6-503.000.
Simpkins, Terry J.; and Turner, Richard L., to Midmark Corporation. Examination table. 301,925, 6-27-89, Cl. D24-3.000.
Simplex Time Recorder Co.: *See—*
Vickery, Dana L., 299,316, Cl. D10-15.000.
Simplicity Manufacturing, Inc.: *See—*
Kamlukin, Igor; Brackin, John F.; and Freier, Edward, Jr., 303,804, Cl. D15-23.000.
Simpson, John E.: *See—*
Albright, Eugene V.; Ellis, Arthur D.; and Simpson, John E., 302,569, Cl. D19-91.000.

Simpson-Laurence Limited: *See—*
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Simpson-Lawrence Limited: *See—*
Lyall, Gordon M.; and McCarron, Philip F., 304,254, Cl. D34-33.000.
Simpson, Paul A. Scooter. 301,594, 6-13-89, Cl. D21-81.000.
Sims, Carl S. Coin display case. 300,793, 4-25-89, Cl. D6-559.000.
Sims, Raymond E.: *See—*
DeLeeuw, James A.; and Sims, Raymond E., 304,340, Cl. D15-199.000.
Sinclair, Brian B., to Wilkinson Sword Limited. Razor. 303,023, 8-22-89, Cl. D28-46.000.
Sinclair, Franklin H.: *See—*
Osofsky, Howard A.; and Sinclair, Franklin H., 300,148, Cl. D19-1.000.
Sinclair, William Y.; and Miller, Steven, to Aries Electronics, Inc. Electrical test connector for a printed circuit board. 300,625, 4-11-89, Cl. D13-24.000.
Singer, Dawn. Shirt or similar article. 304,776, 11-28-89, Cl. D2-215.000.
Singer, Marian L. Coffee warmer or similar article. 302,636, 8-8-89, Cl. D7-70.000.
Singhoff, Wilfried. Gas driven water pump. 305,124, 12-19-89, Cl. D15-7.000.
Singletary, Winfield S., Jr., to U.S. Clinical Products, Inc. Flexible sterile closure for a container with a side injection port. 300,854, 4-25-89, Cl. D24-51.000.
Sinoff, Brad J.; and Sinoff, L. David, to Apple Marketing, Inc. Beverage tote bag. 302,775, 8-15-89, Cl. D7-76.000.
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Sinoff, Brad J.; and Sinoff, L. David, 302,775, Cl. D7-76.000.
Sirhall, James E.: *See—*
Muller, Peter J.; Kellerman, Charles L.; and Sirhall, James E., 305,154, Cl. D25-58.000.
Sirmon, Thomas D.; and Fritz, Roger E., Jr. Guitar nut. 302,563, 8-1-89, Cl. D17-21.000.
Sjoberg, Robert J. Roasting basket. 303,910, 10-10-89, Cl. D7-409.000.
Sjogren, Stig O.; and Johansson, Rolf A. G., to Aktiebolaget Electrolux. Helmet. 300,275, 3-14-89, Cl. D29-14.000.
Sjostrand, Tommy; and Broden, Lars. Foldable game board. 301,346, 5-30-89, Cl. D21-15.000.
Skaggs, Paul; Neil, Brian; and Ripley, David R., to Neotech Industries, Inc. Tire pressure gauge. 300,729, 4-18-89, Cl. D10-86.000.
Skalka, Gerald P., to Victor Stanley, Inc. Trash can holder. 304,253, 10-24-89, Cl. D34-6.000.
Skalka, Gerald P., to Victor Stanley, Inc. Covered trash can holder. 304,632, 11-14-89, Cl. D34-6.000.
Skatewing International Pty. Ltd.: *See—*
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SKC Limited: *See—*
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Skedeleski, David; and Arakawa, Eric. Surfboard protective tip. 302,717, 8-8-89, Cl. D21-230.000.
Skeeter Products, Inc.: *See—*
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Allbritton, Michael, 302,607, Cl. D12-317.000.
Ski-free Marine, Inc.: *See—*
Raiter, Leon; Mor, John; and Hunt, Devlin, 304,061, Cl. D21-230.000.
Skibell, Jerome M. Weeder tool. 300,714, 4-18-89, Cl. D8-9.000.
Skil Corporation: *See—*
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Schultz, William H., 300,503, Cl. D8-68.000.
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Skrewlowski, David: *See—*
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Berendsen, Robert W.; and Skrewlowski, David, 301,401, Cl. D4-108.000.
Skrypalle, Ulrich, to Siemens Aktiengesellschaft. Portable radio telephone communications instrument. 300,218, 3-14-89, Cl. D14-138.000.
Skuza, Voyteck T.; and Williams, Edward L., to Stanley Works, The. Battery charger. 302,808, 8-15-89, Cl. D13-5.000.
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Ohashi, Keiichi, 299,274, Cl. D[illegible]-49.000.
Ohashi, Keiichi, 300,666, Cl. D26-49.000.
Ohashi, Keiichi, 300,667, Cl. D26-49.000.
SL Corporation: *See—*
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Slagle, Danny R. Building. 302,730, 8-8-89, Cl. D25-11.000.
Slater, Daniel. Weighing scale. 304,693, 11-21-89, Cl. D10-93.000.
Slawinski, Nora. Pet carrier bag. 302,610, 8-1-89, Cl. D30-109.000.
Slayton, John W., to Sun Coast, Inc. Sod plugger. 302,512, 8-1-89, Cl. D8-7.000.
Sloan, Donald G. Coin organizer. 304,643, 11-14-89, Cl. D99-34.000.
Smal, Henri, to S.A. Faco. Electrically-operated massage appliance. 300,853, 4-25-89, Cl. D24-41.000.
Smaling, Richard J., to Tidewater Lures, Inc. Fishing lure. 303,827, 10-3-89, Cl. D22-127.000.
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Smith, Allan L. Sprinkler head. 303,138, 8-29-89, Cl. D23-214.000.
Smith, Ben N. Jewelry pendant. 300,079, 2-28-89, Cl. D99-27.000.
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Smith, David B.; Graf, Larry J.; and Miller, Randolph F., to Precor Incorporated. Skiing exerciser or similar article. 299,369, 1-10-89, Cl. D21-191.000.
Smith, David B.; Graf, Larry J.; and Miller, Randolph F., to Precor Incorporated. Skiing exerciser or similar article. 303,695, 9-26-89, Cl. D21-191.000.
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Armstrong, Timothy O.; Bull, John W.; and Smith, David B., 304,358, Cl. D21-195.000.
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Smith, Debra A.; and Smalls, Armand. Aquarium. 300,067, 2-28-89, Cl. D30-101.000.
Smith, Donnie R. Tire anti-skid unit. 301,222, 5-23-89, Cl. D12-154.000.
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Smith, E. W., to Doskocil Manufacturing Co., Inc. Storage case. 300,583, 4-11-89, Cl. D3-72.000.
Smith, Edward L.; and Battersby, James R. Housing for a motorcycle side light. 302,335, 7-18-89, Cl. D26-139.000.
Smith, Harold J. Velcro cuff link. 303,234, 9-5-89, Cl. D11-226.000.
Smith, Howard J. Cup holder or the like. 303,057, 8-29-89, Cl. D7-70.000.
Smith, Jacob O., Sr. Combined handle and holder for chemiluminescent signal. 300,602, 4-11-89, Cl. D8-303.000.
Smith, Jacob O., Sr. Baton. 300,838, 4-25-89, Cl. D21-100.000.
Smith, James A. Cover for motorcycle fairing compartment. 300,736, 4-18-89, Cl. D12-182.000.
Smith Kline & French Laboratories, Ltd.: *See—*
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Tovey, Geoffrey D., 303,160, Cl. D28-2.000.
Tovey, Geoffrey D., 304,244, Cl. D28-2.000.
Smith, Leal. Insect figurine. 299,321, 1-10-89, Cl. D11-158.000.
Smith, Leanett L. Game board. 302,183, 7-11-89, Cl. D21-31.000.
Smith, M. Allyson, to Quaker Oats Company, The. Tool carrier. 299,778, 2-7-89, Cl. D34-40.000.
Smith, Malcolm P. Boat carrier. 304,113, 10-17-89, Cl. D34-24.000.
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Smith, Maurice. Vacuum cleaner hose coupling. 300,574, 4-4-89, Cl. D32-31.000.
Smith, Maurice E. Vacuum cleaner hose coupling. 299,772, 2-7-89, Cl. D32-31.000.
Smith, Orlis E. Night-stick. 301,363, 5-30-89, Cl. D22-117.000.
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Smith, Park B., to Park B. Smith, Inc. Rug or similar article. 301,668, 6-20-89, Cl. D6-592.000.
Smith, Patricia C. Pot lid knob cover. 299,904, 2-21-89, Cl. D7-393.000.
Smith, Paul L. Golf putter head. 304,060, 10-17-89, Cl. D21-217.000.
Smith, Philip N., to Dataproducts Corporation. Ribbon cartridge. 303,396, 9-12-89, Cl. D18-12.000.
Smith, Ralph G. Combined wall-mounted mirror, razor and shaving cream holder. 303,599, 9-26-89, Cl. D6-527.000.
Smith, Raymond L. Gun rack. 302,628, 8-8-89, Cl. D3-38.000.
Smith, Robert L. Football digital display marker or similar article. 304,844, 11-28-89, Cl. D10-46.100.
Smith, Roger M., to Justwise Limited; Smith, Roger M.; and Smith, Pamela M. L. Bicycle exerciser. 302,035, 7-4-89, Cl. D21-194.000.
Smith, Tim S.; and Smith, Zondra. Implement for picking up pine cones or the like. 301,674, 6-20-89, Cl. D8-13.000.

Smith, Toby E.: *See—*
  Wilson, John H.; Coffey, Kenneth W.; Smith, Toby E.; Richards, David; Mohd, Maqsood; and Cody, Lee, 299,747, Cl. D24-40.000.
Smith, Vance R., to Vermont Castings, Inc. Fireplace mantelpiece. 300,779, 4-18-89, Cl. D23-404.000.
Smith, Vance R.; and Stancliffe, John N., to Vermont Castings, Inc.; and TI Parkray Limited. Combined fireplace insert front panel and trim. 303,286, 9-5-89, Cl. D23-344.000.
Smith, Vance R.: *See—*
  Syme, Duncan C.; and Smith, Vance R., 300,354, Cl. D23-346.000.
  Syme, Duncan C.; and Smith, Vance R., 300,355, Cl. D23-346.000.
  Syme, Duncan C.; and Smith, Vance R., 301,059, Cl. D23-346.000.
  Syme, Duncan C.; and Smith, Vance R., 303,328, Cl. D6-335.000.
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  Doman, Donald W.; Bakula, Gerald R.; Zuzinec, Raymond R., Sr.; Christensen, Thomas J.; and Parise, Jack A., 299,910, Cl. D10-78.000.
  Nelson, James W., 302,378, Cl. D8-61.000.
  Porcaro, Dino C., 299,411, Cl. D8-68.000.
Sneider, Vincent R. Panty pad. 300,658, 4-11-89, Cl. D24-51.000.
Snell-Kelly, Janet E., to Quaker Oats Company, The. Toy traffic signal. 303,690, 9-26-89, Cl. D21-109.000.
Snodgrass, Warren H. Chair. 301,810, 6-27-89, Cl. D6-373.000.
Snoke, Phillip J.; and Golley, Frank B., to Atlanta Motoring Accessories, Inc. Automobile hardtop storage rack. 304,118, 10-17-89, Cl. D34-31.000.
Snow, Dennis D. Portable petroleum distillator. 302,292, 7-18-89, Cl. D24-8.000.
Snowden-Pencer, Inc.: *See—*
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  Chechelski, Witek, 302,298, Cl. D24-28.000.
Snyder, Gary L. Combined ski and sled. 299,218, 1-3-89, Cl. D12-8.000.
Snyder, Gerald J., to Snyder Tank Corporation. Universal cluster fitting for a truck fuel tank. 301,447, 6-6-89, Cl. D12-155.000.
Snyder, Gerald J., to Snyder Tank Corporation. Universal cluster fitting for a truck fuel tank 301,448, 6-6-89, Cl. D12-144.000.
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  Lopez-Doriga Lopez-Doriga, Juan A., 303,519, Cl. D13-9.000.
  Lopez-Doriga Lopez-Doriga, Juan A., 303,652, Cl. D13-9.000.
  Lopez-Doriga Lopez-Doriga, Juan A., 303,653, Cl. D13-9.000.
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  Arnoux, Daniel; Anton, Christian; and Genter, Claude, 300,306, Cl. D10-78.000.
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  Busse, Rido, 302,665, Cl. D10-91.000.
  Busse, Rido, 302,666, Cl. D10-92.000.
  Busse, Rido, 303.358, Cl. D10-91.000.
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Soley, James J. Chaise longue. 300,390, 3-28-89, Cl. D6-361.000.
Soley, James J. Chaise longue. 300,391, 3-28-89, Cl. D6-361.000.
Soley, James J. Chair. 303,182, 9-5-89, Cl. D6-330.000.
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Solon, Mel; and Freitas, Everton A., to Solon, Mel. Polling station for electronic tabulation system. 302,424, 7-25-89, Cl. D14-100.000.
Soloway, Richard; and Farrell, Richard, to Napco Security Systems, Inc. Microwave and passive infrared intrusion detector. 302,952, 8-22-89, Cl. D10-106.000.
Soltes, Isaac B. Cord retaining reel or similar article. 301,834, 6-27-89, Cl. D8-358.000.
Somers, Robert I., to Black & Decker Inc. Cordless drill or similar article. 303,347, 9-12-89, Cl. D8-68.000.
Somers, Robert I.; and Gierke, Martin P., to Black & Decker Inc. Battery-operated screwdriver or similar article. 304,543, 11-14-89, Cl. D8-61.000.
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Somerset, John B., to McPherson Limited. Cookery implement or similar article. 301,004, 5-9-89, Cl. D7-102.000.
Song, Chang J. Attachable key light. 304,130, 10-24-89, Cl. D3-63.000.
Song, Paul C. Simulative clock. 301,981, 7-4-89, Cl. D10-6.000.
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Sonthonnax, Robert. Sun glasses. 301,480, 6-6-89, Cl. D16-102.000.
Sonthonnax, Robert. Sun glasses. 301,481, 6-6-89, Cl. D16-102.000.
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  Kano, Kenichi, 304,585, Cl. D14-122.000.
  Kikutani, Fumitaka, 299,921, Cl. D14-227.000.
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  Nakaizumi, Hiroshi, 304,581, Cl. D14-121.000.
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  Envall, Bjorn E. A.; and Sorum, Erik, 300,917, Cl. D12-190.000.
  Envall, Jorn E. A.; and Sorum, Erik, 300,915, Cl. D12-190.000.
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  Bisbing, Robert H., 303,492, Cl. D8-323.000.

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Spanier, Henry C.; and Spiel, Albert, to Nabisco Brands, Inc. Canine biscuit. 303,728, 10-3-89, Cl. D1-106.000.
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Spaulding, Richard A.; and Grant, Pearl A., to Thermal Dynamics Corporation. Plasma arc torch with angled head. 302,097, 7-11-89, Cl. D8-30.000.
Spear, Frank M. Removable ground cover to catch shrub clippings. 301,536, 6-13-89, Cl. D8-1.000.
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  Spanier, Henry C.; and Spiel, Albert, 303,728, Cl. D1-106.000.
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Spira, Joel S.; Mayo, Noel; and Tang, Raphael K. T., to Lutron Electronics Co., Inc. Transmitter for wireless light dimmer system. 303,658, 9-26-89, Cl. D13-32.000.
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Spradley, Annie L. Manicure board. 300,066, 2-28-89, Cl. D28-61.000.
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Stackhouse, Wyman H.; and Williamson, Ian M., to W. Stackhouse Associates, Inc. Laser smoke particulate/odor filter unit for use in surgical environments. 304,612, 11-14-89, Cl. D23-365.000
Stackhouse, Wyman H.; and Williamson, Ian M., to Stackhouse Associates. Portable air filter. 304,854, 11-28-89, Cl. D23-365.000.
Stafford, David A. Business card dispenser. 299,288, 1-10-89, Cl. D3-56.000.
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Stairs, Henry M., Jr., to AmericanStandard Inc. Soaking bathtub. 300,845, 4-25-89, Cl. D23-277.000.
Stalec, Lawrence W., to Lab-Line Instruments, Inc. Laboratory heater. 304,611, 11-14-89, Cl. D23-314.000.
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  - Ramsey, Roger H.; and Wilgus, Mitchell L., 303,471, Cl. D6-549.000.
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  - Ramsey, Roger H.; and Wilgus, Mitchell L., 303,831, Cl. D23-254.000.
- Stanart, William H. Digging tool. 303,484, 9-19-89, Cl. D8-10.000.
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- Stankus, Genevieve K.; Stankus, Robert; and Stankus, Gerald. Stovetop grease spatter shield. 303,909, 10-10-89, Cl. D7-406.000.
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- Steer, Peter L., to E. R. Squibb and Sons, Inc. Wound care pouch. 302,307, 7-18-89, Cl. D24-58.000.
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- Stephens, Thomas P.; Brown, William R.; and Bristol, David A., to Hewlett-Packard Company. Luer nut for connecting medical devices. 302,729, 8-8-89, Cl. D24-53.000.
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- Stevens, Charles P. Display tag. 300,835, 4-25-89, Cl. D20-27.000.
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Sunila, Timo, to Fiskars Oy Ab. Hanging attachment for tool handles. 304,993, 12-12-89, Cl. D8-107.000.
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Di Gianni, John, 304,682, Cl. D9-378.000.
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Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Portable handset radio telephone. 303,384, 9-12-89, Cl. D14-138.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Portable handset radio telephone. 304,188, 10-24-89, Cl. D14-138.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Integrated circuit card with magnetic reader strip and keyboard and display. 304,826, 11-28-89, Cl. D14-117.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Mobile telephone set. 304,830, 11-28-89, Cl. D14-138.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Reader/writer for IC cards. 304,933, 12-5-89, Cl. D14-105.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Portable handset radio telephone. 304,939, 12-5-89, Cl. D14-138.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Portable handset radio telephone. 305,231, 12-26-89, Cl. D14-138.000.
Sutoh, Shigeru, to Kabushiki Kaisha Toshiba. Mobile telephone set. 305,232, 12-26-89, Cl. D14-138.000.
Sutphen, Harold A., Jr., to Westvaco Corporation. Core plug extractor. 300,800, 4-25-89, Cl. D8-14.000.
Suttles, J. Marshall, to Royston Corporation. Pastry rack. 301,665, 6-20-89, Cl. D6-463.000.
Suttles, J. Marshall; and Schoepf, Harry, to Royston Corporation. Foodservice counter with sneeze guard. 302,221, 7-18-89, Cl. D6-481.000.
Suttles, J. Marshall, to Royston Corporation. Cup protector attachment to a cabinet. 303,190, 9-5-89, Cl. D6-491.000.
Sutton, Daniel; and Sutton, Lily. Chipmunk feeder stand. 300,964, 5-2-89, Cl. D30-133.000.
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Sutton, Daniel; and Sutton, Lily, 300,964, Cl. D30-133.000.
Suyama, Tsutomu; Wakamatsu, Masaharu; Yamamuro, Takahiko; and Fukushima, Kazuyuki, to Mitsubishi Denki Kabushiki Kaisha. Base for display monitor. 303,959, 10-10-89, Cl. D14-114.000.
Suzui, Mitsuharu; and Asai, Koji, to Nitsuko Corporation. Multifunction key telephone set. 301,236, 5-23-89, Cl. D14-42.000.
Suzuki, Akio, to Sharp Kabushiki Kaisha. Electric fan. 304,368 10-31-89, Cl. D23-382.000.
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Suzuki, Motoyuki, to Seikosha Co., Ltd. Clock. 302,129, 7-11-89, Cl D10-28.000.
Suzuki, Shigehiko. to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,328, 5-30-89, Cl. D12-151.000.
Suzuki, Shigehiko, to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,569, 6-13-89, Cl. D12-147.000.
Suzuki, Shigehiko, to Sumitomo Rubber Industries, Ltd. Motorcycle tire. 301,708, 6-20-89, Cl. D12-147.000.
Suzuki, Sigeru, to Sanyei Electric Co. (HK) Ltd. Shoe polisher. 300,185, 3-14-89, Cl. D4-102.000.
Suzuki, Yoshinori, to Sugiyasu Iron Works Inc. Hand-operated lift truck. 302,894, 8-15-89, Cl. D34-31.000.
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Svensson, Gunnar, to Autopart Sweden Aktiebolag. Sun visor with built-in illumination and mirror for an automobile. 300,919, 5-2-89, Cl. D12-191.000.
Swamy, A. R. Tongue cleaner or the like. 303,289, 9-5-89, Cl. D24-10.000.
Swan, Leo, to Equipment Development Company, Inc. Cutting blade wear guage. 301,987, 7-4-89, Cl. D10-73.000.
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Swanson, Pamela J.; and Swanson, John W. Ski boot scraper. 305,270, 12-26-89, Cl. D32-47.000.
Swart, Pieter D., to Sylsands Securities (Proprietary) Ltd. Construction block. 301,171, 5-16-89, Cl. D25-113.000.
Swartz, Steven L., to Pulse Electronics, Inc. Front panel for a data recorder. 305,122, 12-19-89, Cl. D14-257.000.
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Swett, Joan, to AVIA Group International, Inc. Shoe upper. 300,982, 5-9-89, Cl. D2-314.000.
Swett, Joan, to Avia Group International, Inc. Shoe sole. 301,936, 7-4-89, Cl. D2-320.000.
Swett, Joan, to AVIA Group International, Inc. Shoe upper. 303,452, 9-19-89, Cl. D2-314.000.
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Syme, Duncan C.; and Smith, Vance R., to Vermont Castings, Inc. Free standing fireplace. 300,355, 3-21-89, Cl. D23-346.000.
Syme, Duncan C.; and Smith, Vance R., to Vermont Castings, Inc. Wood and coal burning stove. 301,059, 5-9-89, Cl. D23-346.000.
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Beuchat, Roland, 304,773, Cl. D28-46.000.
Sypal, Bohumil. Game board. 300,541, 4-4-89, Cl. D21-24.000.
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Szablak, Michael J.; and Tomblin, Glen E., to Rubbermaid Commercial Products, Inc. Paper clip holder. 303,551, 9-19-89, Cl. D19-75.000.
Szablak, Michael J.; and Tomblin, Glen E., to Rubbermaid Commercial Products, Inc. Note pad holder. 303,993, 10-10-89, Cl. D19-78.000.
Szewczak, Joseph M. Strap for a bicycle pedal cage. 303,778, 10-3-89, Cl. D12-125.000.
Szpot, Russell F., to MAC Tool, Inc. Creeper. 301 078, 5-9-89, Cl. D34-23.000.
Szymanek, Donald D., to REC Specialties. Fluorescent light fixture. 300,471, 3-28-89, Cl. D26-76.000.
Szymanek, Donald D., to REC Specialties. Fluorescent light fixture. 300,874, 4-25-89, Cl. D26-76.000.
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Ger[illegible] Richard B.; Concepcion, Juan F.; Lucas, Michael P.; an[illegible]or, Robert, 302,346, Cl. D1-109.000.
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Tai, Guo-Bang, to King Feng Co., Ltd. Indoor antenna. 303,392, 9-12-89, Cl. D14-235.000.
Tai, Guo-Bang, to King Feng Co. Ltd. Indoor antenna. 304,337, 10-31-89, Cl. D14-235.000.
Tak Ming Industrial Co.: *See—*
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Takada, Kazuo; Ogata, Yayoi; and Nakajima, Naomi, to Sanyo Electric Co., Ltd. Electric oven toaster. 304,147, 10-24-89, Cl. D7-350.000.
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Takahashi, Haruhiko, to International Business Machines Corporation. Image scanner. 299,826, 2-14-89, Cl. D14-107.000.
Takahashi, Kazuyuki; and Hoshino, Kiyoshi, to Ryobi Ltd. Electric trimmer. 303,483, 9-19-89, Cl. D8-8.000.
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Takahashi, Manabu; Uchino, Fumio; Nakamura, Yuzo; Tateoka, Hitoshi; Satoh, Yasushi; Karaki, Koichi; Ohno, Masahiro; Yamamoto, Soji; Ishibashi, Jun-ichi; Nakasato, Kanae; and Fujii, Kiyoshi, to Olympus Optical Co., Ltd. Ultrasonic microscope. 303,267, 9-5-89, Cl. D16-131.000.
Takahashi, Masaki; and Yoshihara, Tsutomu, to Canon Kabushiki Kaisha. Telephone. 302,156, 7-11-89, Cl. D14-148.000.
Takahashi, Masaki, to Canon Kabushiki Kaisha. Facsimile. 304,182, 10-24-89, Cl. D14-118.000.
Takahashi, Nobuaki, to Comet Denki Kabushiki Kaisha. Facial treatment unit or the like. 303,723, 9-26-89, Cl. D28-9.000.
Takahashi, Nobuyoshi; Yamamoto, Yoshihiko; Fujii, Masao; and Seshimo, Yu, to Mitsubishi Denki Kabushiki Kaisha. Finned heat exchanger for electronic equipment. 302,853, 8-15-89, Cl. D23-386.000.
Takahashi, Seigo; Matsumoto, Toshiyuki; and Ishida, Kazuya, to Mitutoyo Mfg. Co., Ltd. Dial gauge. 300,009, 2-28-89, Cl. D10-73.000.
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Takahashi, Tetsuo, to Takigen Manufacturing Co. Ltd. Handle for refrigerator door. 299,415, 1-17-89, Cl. D8-302.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Handle for refrigerator door. 299,416, 1-17-89, Cl. D8-302.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Handle for refrigerator door. 299,417. 1-17-89, Cl. D8-302.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co. Ltd. Hinge for refrigerator door. 299,418, 1-17-89, Cl. D8-323.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 299,419, 1-17-89, Cl. D8-329.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 299,420, 1-17-89, Cl. D8-329.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 299,485, 1-24-89, Cl. D8-323.000.
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 299,617, 1-31-89, Cl. D8-329.000
Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 302,104, 7-11-89, Cl. D8-329.000.

- Takahashi, Tetsuo, to Takigen Manufacturing Co., Ltd. Hinge for refrigerator door. 302,105, 7-11-89, Cl. D8-329.000.
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- Takai, Kazuhito; Koiwa, Norimi; and Suda, Masami. Whiteboard with photocopier. 302,986, 8-22-89, Cl. D19-52.000.
- Takaishi, Nobuo; and Suzuki, Akio, to Sharp Corporation. Air conditioner. 300,458, 3-28-89, Cl. D23-353.000.
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  - Doi, Takayoshi, 301,901, Cl. D21-150.000.
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  - Hashihara, Muneshige, 302,495, Cl. D6-367.000.
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  - Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ebihara, Tooru; Shimizu, Hideyasu; Tsunematsu, Shinichiro; and Takeda, Hirokazu, 304,722, Cl. D14-118.000.
- Takeda, Junnosuke: *See*—
  - Kato, Shuzo; Nakamura, Yasushi; and Takeda, Junnosuke, 303,790, Cl. D14-106.000.
  - Kubo, Tadashi; Isozaki, Hiromi; and Takeda, Junnosuke, 301,344, Cl. D18-13.000.
- Takei, Masaharu; and Ferguson, Edward, to Tomy Kogyo Co., Inc. Audible toy. 299,729, 2-7-89, Cl. D21-64.000.
- Takemasa, Hideji: *See*—
  - Watanabe, Toshihiko; Takemasa, Hideji; and Ikeda, Kazuo, 300,320, Cl. D14-241.000.
- Takemata, Keiko; and Murakami, Osamu, to Canon Kabushiki Kaisha. Hand held electronic dialer. 301,885, 6-27-89, Cl. D14-245.000.
- Takemata, Keiko; and Yoshioka, Eiichi, to Canon Kabushiki Kaisha. Dest-top electronic calculator. 303,981, 10-10-89, Cl. D18-7.000.
- Takenaka, Kazumasa: *See*—
  - Kurosu, Teisuke; Ohta, Fumiharu; Takenaka, Kazumasa; Tamura, Masao; Ming, Hung C.; and Watanabe, Satoshi, 299,228, Cl. D14-141.000.
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- Takeuchi. Mikio: *See*—
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- Takigen Manufacturing Co. Ltd.: *See*—
  - Takahashi, Tetsuo, 299,415, Cl. D8-302.000.
  - Takahashi, Tetsuo, 299,416, Cl. D8-302.000.
  - Takahashi, Tetsuo, 299,417, Cl. D8-302.000.
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  - Takahashi, Tetsuo, 299,420, Cl. D8-329.000.
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  - Takahashi, Tetsuo, 299,617, Cl. D8-329.000.
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  - Takahashi, Tetsuo, 302,105, Cl. D8-329.000.
  - Takimoto, Yoshiaki, 299,486, Cl. D8-341.000.
  - Takimoto, Yoshiaki, 299,487, Cl. D8-341.000.
- Takimoto, Yoshiaki, to Takigen Manufacturing Co., Ltd. Latch for refrigerator door. 299,486, 1-24-89, Cl. D8-341.000.
- Takimoto, Yoshiaki, to Takigen Manufacturing Co. Ltd. Latch for refrigerator door. 299,487, 1-24-89, Cl. D8-341.000.
- Takita, Haruki: *See*—
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  - Ito, Masafumi; Hasegawa, Sigeru; Takita, Haruki; and Sube, Minoru, 304,941, Cl. D14-156.000.
- Takizawa, Fuminobu: *See*—
  - Fujita, Toshiharu; Yamazaki, Hiroyoshi; Maeda, Noriyuki; Shimizu, Kazutaka; Tanaka, Norihiko; Domon, Yoshihiro; Iwasawa, Kiyoshi; Futatsugi, Mitsuyuki; Takizawa, Fuminobu; Suzuki, Masakatsu; and Kosaka, Makoto, 304,377, Cl. D26-3.000.
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- Talbot, Brian N. Surfer's vest. 303,13[illegible], 8-29-89, Cl. D21-238.000.
- Talbot, James E.: *See*—
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- Talton, David B. Cart or the like. 300,975, 5-2-89, Cl. D34-26.000.
- Tamada, Kenji; and Endo, Tadashi, to Silver Seiko Limited. Typewriter. 300,434, 3-28-89, Cl. D18-1.000.
- Tamada, Kenji: *See*—
  - Kasagi, Taro; Tamada, Kenji; and Fukui, Yojiro, 299,248, Cl. D18-1.000.
  - Kasagi, Taro; Tamada, Kenji; and Nagashima, Yoshimitsu, 299,249, Cl. D18-1.000.
- Tamamura, Hiromi, to Plus Corporation. Combined scissors with cap. 303,872, 10-10-89, Cl. D3-18.000.
- Tamas, Tibor; and McClure, Jeffrey. Combined mount and support bracket for firearms. 303,000, 8-22-89, Cl. D22-110.000.
- Taminich, Nickolas G. Skateboard wheel or similar article. 299,733, 2-7-89, Cl. D21-226.000.
- Tamsen, Donald; and Ormsby, Gerald R., to Conagra, Inc. Carton. 304,907, 12-5-89, Cl. D9-418.000.
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- Tamura, Masao: *See*—
  - Kurosu, Teisuke; Ohta, Fumiharu; Takenaka, Kazumasa; Tamura, Masao; Ming, Hung C.; and Watanabe, Satoshi, 299,228, Cl. D14-141.000.
  - Ohta, Fumiharu; Tamura, Masao; and Hung, Chuan Ming, 299,644, Cl. D14-149.000.
  - Ohta, Fumiharu; Tamura, Masao; and Watanabe, Satoshi, 299,645, Cl. D14-149.000.
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- Tamura, Shuichi: *See*—
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- Tan, Kheng L.: *See*—
  - Ng, Michael C. M.; and Tan, Kheng L., 302,890, Cl. D34-21.000.
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- Tanaka, Norihiko: *See*—
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- Tanaka, Yasuhiko: *See*—
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- Tang, Raphael K. T.: *See*—
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  - Mayo, Noel; Spira, Joel S.; and Tang, Raphael K. T., 303,657, Cl. D13-32.000.
  - Spira, Joel S.; Mayo, Noel; and Tang, Raphael K. T., 303,658, Cl. D13-32.000.
- Tani, Nobuyuki, to Sharp Corporation. Telephone. 299,340, 1-10-89, Cl. D14-150.000.
- Tanifuzi, Hiroshi; and Nishimura, Tamotsu, to Showa Electric Wire & Cable Co., Ltd. Vibration isolator for electric motor. 304,714, 11-21-89, Cl. D13-1.000.

- Tanigami, Shintaro, to Elm Industry Co., Ltd. Envelope opener. 304,131, 10-24-89, Cl. D3-72.000.
- Tanigami, Shintaro, to Elm Industry Co., Ltd. Stapler. 304,416, 11-7-89, Cl. D8-49.000.
- Taniguchi, Eiichi, to Nitsuko Corporation. Telephone set. 303,797, 10-3-89, Cl. D14-146.000.
- Tanimura, Yoshiaki: *See*—
  - Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, 300,240, Cl. D23-314.000.
- Taninaka, Tomoko, to Tomy Kogyo Co., Inc. Toy telephone. 299,498, 1-24-89, Cl. D21-111.000.
- Tapdrup, Erik P., to Interlego A.G. Toy telephone. 301,499, 6-6-89, Cl. D21-111.000.
- Tapdrup, Erik P., to Interlego A.G. Toy telephone. 301,500, 6-6-89, Cl. D21-111.000.
- Tapdrup, Erik P.; and Olsen, Flemming H., to Interlego A.G. Activity toy. 302,444, 7-25-89, Cl. D21-59.000.
- Tapdrup, Erik P., to Interlego A.G. Tail rudder element for a toy aircraft. 303,404, 9-12-89, Cl. D21-91.000.
- Tapdrup, Erik P., to Interlego A.G. Toy aircraft. 303,686, 9-26-89, Cl. D21-90.000.
- Tapdrup, Erik P., to Interlego A.G. Wing element for a toy aircraft. 303,688, 9-26-89, Cl. D21-91.000.
- Tapdrup, Erik P., to Interlego A.G. Wheel holder element for a toy aircraft. 304,043, 10-17-89, Cl. D21-91.000.
- Tapdrup, Erik P., to Interlego A.G. Body element for a toy aircraft. 304,211, 10-24-89, Cl. D21-91.000.
- Tapdrup, Erik P., to Interlego A.G. Engine for a toy aircraft. 304,467, 11-7-89, Cl. D21-91.000.
- Tardel, Keith V.: *See*—
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- Tardel, Vernon F.; and Tardel, Keith V. Mug. 300,402, 3-28-89, Cl. D7-5.000.
- Tarrson, Emanuel B.; and Maric, Dane, to John O. Butler Company. Interdental brush handle. 300,946, 5-2-89, Cl. D24-11.000.
- Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., to John O. Butler Company. Toothbrush. 303,043, 8-29-89, Cl. D4-104.000.
- Tarrson, Emanuel B.; Maric, Dane; and Kelly, Thomas P., to John O. Butler Company. Toothbrush. 304,785, 11-28-89, Cl. D4-104.000.
- Tasca International Ltd.: *See*—
  - Yoshiharu, Takei, 299,648, Cl. D14-147.000.
  - Yoshiharu, Takei, 300,317, Cl. D14-143.000.
  - Yoshiharu, Takei, 300,741, Cl. D14-248.000.
  - Yoshiharu, Takei, 301,231, Cl. D14-147.000.
  - Yoshiharu, Takei, 301,232, Cl. D14-143.000.
  - Yoshiharu, Takei, 301,464, Cl. D14-248.000.
  - Yoshiharu, Takei, 302,011, Cl. D14-142.000.
  - Yoshiharu, Takei, 302,155, Cl. D14-143.000.
- Tasco Sales, Inc.: *See*—
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  - Fukushima, Susumu, 305,030, Cl. D16-132.000.
- Tashiro, Naoki, to Canon Kabushiki Kaisha. Developing device for electrophotographic copier. 303,542, 9-19-89, Cl. D18-36.000.
- Tata, Hideaki: *See*—
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 299,334, Cl. D13-4.000.
  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 303,370, Cl. D13-4.000.
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  - Kondo, Nobuyuki; Abe, Yoshinori; Tata, Hideaki; Ito, Eiji; Chonan, Katsuhiko; and Iinuma, Hideo, 305,115, Cl. D13-4.000.
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- Tatsumi, Koichi, to Sumitomo Rubber Industries, Ltd. Automobile tire. 301,221, 5-23-89, Cl. D12-149.000.
- Tatsumi, Kouichi, to Sumitomo Rubber Industries, Ltd. Automobile tire. 304,816, 11-28-89, Cl. D12-151.000.
- Tatsuta, Yoichi: *See*—
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  - Lin, Sharon W., 300,847, Cl. D23-335.000.
- Tauer, Lyle A. Inflatable tent. 300,649, 4-11-89, Cl. D21-253.000.
- Taut, Inc.: *See*—
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- Tayama, Shuichi, to Kabushiki Kaisha Toshiba. Fluorescent lamp. 302,861, 8-15-89, Cl. D26-3.000.
- Taylor, Bruce G.: *See*—
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- Taylor, Craig V. Trash container lid. 304,633, 11-14-89, Cl. D34-11.000.
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- Taylor, I. Blain. Hay rake. 299,652, 1-31-89, Cl. D15-11.000.
- Taylor, Joseph S.; and Pavely, Andrew P., to MB Group plc. Container closure. 300,608, 4-11-89, Cl. D9-438.000.
- Taylor, Larry C.: *See*—
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- Taylor, Steven, to Quaker Oats Company, The. Jack in the box toy. 303,555, 9-19-89, Cl. D21-151.000.
- Taylor, Steven, to Quaker Oats Company, The. Toy barn. 304,219, 10-24-89, Cl. D21-116.000.
- Taylor, Terrance N.; and Murzanski, John P., to Motorola, Inc. Housing panel for a portable cellular radio telephone or similar article. 299,232, 1-3-89, Cl. D14-138.000.
- Taylor, Terrance N., to Motorola, Inc. Operative dial-top housing panel for a handset telephone or similar article. 302,015, 7-4-89, Cl. D14-247.000.
- Taylor, Terrance N.: *See*—
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- Taylor, Terry L.: *See*—
  - Finsilver, Charles E.; Taylor, Terry L.; and Roccaforte, Harry, 300,209, Cl. D9-431.000.
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  - Ito, Masafumi; Hasegawa, Sigeru; Takita, Haruki; and Sube, Minoru, 304,941, Cl. D14-156.000.
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- Technical Tools, Inc.: *See*—
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  - Martensson, Nils E. V.; Harrison, Peter D.; Perry, David C.; New, John H.; Major, Ron; Dolwin, Craig; and Cant, Malcolm C., 302,423, Cl. D14-138.000.
- Technophone Limited of Ashwood House: *See*—
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- Tedco, Inc.: *See*—
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  - Stream, Robert D., 304,231, Cl. D24-15.000.
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  - Kumar, Rajendra; and Lewis, Kim R., 303,663, Cl. D14-116.000.
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Thom, Paul, to Kiddie Products, Inc. Infant bath tub. 299,741, 2-7-89, Cl. D23-278.000.
Thomas & Betts Corporation: *See—*
  O'Loughlin, Francis, 302,542, Cl. D13-26.000.
Thomas, Carl W.: *See—*
  Katai, Dwaine S.; Reeve, Brian G.; Ferguson, Charles E.; Thomas, Carl W.; and McDougall, Gary L., 300,031, Cl. D14-102.000.
Thomas, Christian, to La Telemecanique Electrique. Combined circuit breaker and accessories therefor. 300,315, 3-21-89, Cl. D13-34.000.
Thomas, Erik: *See—*
  Lane, Stephen; Petrie, Aidan; and Thomas, Erik, 303,534, Cl. D16-217.000.
  Lane, Stephen; Petrie, Aidan; and Thomas, Erik, 303,535, Cl. D16-217.000.
Thomas Industries Inc.: *See—*
  De'Armond, Robert, 304,769, Cl. D26-84.000.
  DiCola, Vince, 302,326, Cl. D26-67.000.
  DiCola, Vince, 302,327, Cl. D26-67.000.
  Dicola, Vince, 304,768, Cl. D26-84.000.
  DiCola, Vince, 304,862, Cl. D26-76.000.
  Fretz, John, 302,328, Cl. D26-67.000.
  Fretz, John; and DiCola, Vince, 302,329, Cl. D26-67.000.
  Fretz, John, 302,330, Cl. D26-67.000.
  Herbst, Walter B.; and Rozek, Roy J., 302,728, Cl. D24-51.000.
  Herbst, Walter B., 304,068, Cl. D23-226.000.
  O'Connell, Mark E., 304,014, Cl. D9-372.000.
Thomas, James L. Travel bag. 299,587, 1-31-89, Cl. D3-71.000.
Thomas, Larry D., to Hoover Group, Inc. Combined pallet and containers therefor. 300,074, 2-28-89, Cl. D34-38.000.
Thomas, Madeline, to H. G. Wallace Limited. Female urinal. 304,496, 11-7-89, Cl. D24-54.000.
Thomas, Paul E. Pickup truck cab sleeper. 300,735, 4-18-89, Cl. D12-156.000.
Thomas, Richard K., to Sunbeam Corporation. Can opener. 302,929, 8-22-89, Cl. D8-35.000.
Thomas, Robert O. Line anchor for securing fishing line or the like. 300,650, 4-11-89, Cl. D22-134.000.
Thomason, Jeffery W.: *See—*
  Sheehan, Terrence M.; Thomason, Jeffery W.; MacConkey, James S.; Reavis, Philip M., Jr.; and Britt, Edmund J., 303,805, Cl. D15-130.000.
Thomke, Ernst, to Swatch S.A. Telephone set. 301,032, 5-9-89, Cl. D14-150.000.
Thompson, August C. Baby's toothbrush. 301,937, 7-4-89, Cl. D4-104.000.
Thompson, Carl R.: *See—*
  Schechter, Alvin H.; and Thompson, Carl R., 301,193, Cl. D7-308.000.
  Schechter, Alvin H.; and Thompson, Carl R., 301,672, Cl. D7-398.000.
  Schechter, Alvin H.; and Thompson, Carl R., 302,369, Cl. D7-308.000.
  Schechter, Alvin H.; and Thompson, Carl R., 304,413, Cl. D7-397.000.
Thompson, Donald B.; and Wildman, Gary, to Schell, Inc. Insole. 302,624, 8-8-89, Cl. D2-318.000.
Thompson, Gloria J.: *See—*
  Thompson, John N.; and Thompson, Gloria J., 303,600, Cl. D6-552.000.
Thompson, Harrison R. Puzzle toy. 302,709, 8-8-89, Cl. D21-104.000.
Thompson, John N.; and Thompson, Gloria J. Sports equipment rack. 303,600, 9-26-89, Cl. D6-552.000.
Thompson, John S.: *See—*
  Livernoise, Rick; and Thompson, John S., 301,493, Cl. D21-35.000.
Thompson, Lynn C. Folding knife. 303,210, 9-5-89, Cl. D8-99.000.
Thompson, Lynn C., to Cold Steel, Inc. Knife. 304,798, 11-28-89, Cl. D7-151.000.
Thompson, Marion E., to Albeck, Shirley. Solar tea stirrer. 305,089, 12-19-89, Cl. D7-379.000.
Thompson, Neil J.; Brass, John R.; Fouke, Herbert A.; and San George, Mark, to Manville Corporation. Recessed fluorescent lighting fixture. 300,873, 4-25-89, Cl. D26-74.000.
Thompson, Peter H., to Amaray International Ltd. Cassette storage container. 303,041, 8-29-89, Cl. D3-35.000.
Thompson, Trevor, to Mars Incorporated. Microcomputer for testing electronic circuits. 299,923, 2-21-89, Cl. D14-106.000.
Thompson, W. Neil; and Thompson, W. Neil, to Unique Caseworks, Inc. Ice cream display and vending case. 303,595, 9-26-89, Cl. D6-472.000.
Thompson, W. Neil: *See—*
  Thompson, W. Neil; and Thompson, W. Neil, 303,595, Cl. D6-472.000.
Thompson, William E. Band saw guide. 301,148, 5-16-89, Cl. D15-134.000.
Thomson, Ernest F.: *See—*
  Watson, Roy; and Thomson, Ernest F., 300,895, Cl. D7-40.000.
  Watson, Roy; and Thomson, Ernest F., 301,819, Cl. D7-18.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Cradle gym toy. 300,333, 3-21-89, Cl. D21-63.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Toy telephone. 300,440, 3-28-89, Cl. D21-111.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Stacking toy. 300,542, 4-4-89, Cl. D21-59.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Toy tugboat. 302,193, 7-11-89, Cl. D21-130.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Simulative shape matching toy. 302,445, 7-25-89, Cl. D21-59.000.
Thomson, Harry S.; Raffo, Dzvid M.; and Pape, John A., to Hestair Kiddicraft Limited. Toy tractor. 303,128, 8-29-89, Cl. D21-79.000.
Thomson, Harry S.; Raffo, David M.; and Pape, John A., to Hestair Kiddicraft Limited. Pull toy. 304,483, 11-7-89, Cl. D21-105.000.
Thorn EMI Instruments Limited: *See—*
  Nichols, Peter G.; Hopper, Ralph; Steggall, Christopher L.; and Friend, Terence M., 300,123, Cl. D10-75.000.
Thornburg, Bruce; and Baum, Karl B., to Ivac Corporation. Probe for electronic thermometer. 300,909, 5-2-89, Cl. D10-60.000.
Thornell, Ernest L., to Spang & Company. Toy sports module. 300,757, 4-18-89, Cl. D21-201.000.
Thorpe, Vonda J. Holder for floss and similar articles. 304,129, 10-24-89, Cl. D3-23.000.
Three-Ply Company, Ltd.: *See—*
  Lee, Chung S., 299,445, Cl. D11-153.000.
3 T S.p.A.: *See—*
  Borromeo, Lucio, 299,221, Cl. D12-123.000.
  Borromeo, Lucio, 300,014, Cl. D12-118.000.

Thul, James L., to Bureau of Engraving, Inc. Dispenser/mount for informational sheets. 304,040, 10-17-89, Cl. D20-22.000.
Thunder Point Company: *See—*
  Plummer, Richard T., 300,578, Cl. D34-31.000.
Thurman, Rick K. Combined planter and cover. 304,810, 11-28-89, Cl. D11-149.000.
Thurman, Rick K. Planter. 304,811, 11-28-89, Cl. D11-152.000.
Thyselius, Rolf. Display stand for floor samples. 300,700, 4-18-89, Cl. D6-409.000.
TI Interlock Limited: *See—*
  Pearson, Barry, 301,343, Cl. D15-138.000.
TI Parkray Limited: *See—*
  Smith, Vance R.; and Stancliffe, John N., 303,286, Cl. D23-344.000.
Tice, Richard P.: *See—*
  McNamee, Joseph; and Tice, Richard P., 302,234, Cl. D8-71.000.
Tidewater Lures, Inc.: *See—*
  Smaling, Richard J., 303,827, Cl. D22-127.000.
TIE Communications, Inc.: *See—*
  Aschauer, Joseph G.; and Cuccio, John, 299,458, Cl. D14-151.000.
  Aschauer, Joseph G.; and Cuccio, John, 299,459, Cl. D14-151.000.
  Aschauer, Joseph G.; and Cuccio, John, 299,460, Cl. D14-151.000.
Tiedge, Walter H.: *See—*
  Brawner, William H.; and Tiedge, Walter H., 304,898, Cl. D8-26.000.
Tierie, Robert. X-ray cable connector. 301,458, 6-6-89, Cl. D13-24.000.
Tiitinen, Terri. Electric heating element. 304,492, 11-7-89, Cl. D23-386.000.
Tilley, Alvin R.: *See—*
  Danielson, David C.; Hartmann, James J.; McGarvey, John N.; Tilley, Alvin R.; and Wuerz, John M., 304,587, Cl. D14-244.000.
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  Hedenberg, Conny; and Tillner, Alfred, 303,975, Cl. D15-199.000.
Tilton Engineering, Inc.: *See—*
  Tilton, McLane, 304,852, Cl. D23-252.000.
Tilton, McLane, to Tilton Engineering, Inc. Actuator handle for pressure selecting valve. 304,852, 11-28-89, Cl. D23-252.000.
Time in Motion, Inc.: *See—*
  Hirschhorn, Martin, 304,429, Cl. D10-126.000.
Timex Corporation: *See—*
  Houlihan, John T., 300,210, Cl. D10-32.000.
  Houlihan, John T., 301,014, Cl. D10-30.000.
  Houlihan, John T., 301,309, Cl. D10-15.000.
  Houlihan, John T., 301,839, Cl. D10-15.000.
  Houlihan, John T., 301,840, Cl. D10-30.000.
  Houlihan, John T., 302,391, Cl. D10-32.000.
  Houlihan, John T., 303,093, Cl. D10-38.000.
Timleck, Robert C. Golf balls and tees holder. 300,447, 3-28-89, Cl. D21-234.000.
Tingle, Joseph R. Combined fish and bait cutting tray. 300,197, 3-14-89, Cl. D7-46.000.
Tingley, Margie A. Single user workstation. 302,085, 7-11-89, Cl. D6-421.000.
Tingley, Margie A. Multi-user workstation. 302,496, 8-1-89, Cl. D6-421.000.
Tipke, James M., to Tipke Manufacturing Co., Inc. Outboard motor cart. 301,654, 6-13-89, Cl. D34-26.000.
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  Tipke, James M., 301,654, Cl. D34-26.000.
Titmarsh, Brian V., to GTE Products Corporation. Floodlight. 300,864, 4-25-89, Cl. D26-24.000.
TMI Systems Design Corporation: *See—*
  Clark, M. John, 302,086, Cl. D6-491.000.
To, Tadamine, to Nitsuko Corporation. Intercall console module device for a telephone set. 300,028, 2-28-89, Cl. D14-151.000.
Toa Tokushi Denki Kabushiki Kaisha: *See—*
  Kubota, Hiroshi, 299,643, Cl. D14-225.000.
Toa Tokushu Denki Kabushiki Kaisha: *See—*
  Kubota, Hiroshi, 300,821, Cl. D14-228.000.
  Kubota, Hiroshi, 300,822, Cl. D14-228.000.
  Kubota, Hiroshi, 300,823, Cl. D14-228.000.
  Kubota, Hiroshi, 302,158, Cl. D14-225.000.
  Kubota, Hiroshi, 302,819, Cl. D14-228.000.
Tobias, Charles S., to Pusser's Inc. Timepiece face. 302,667, 8-8-89, Cl. D10-126.000.
Todd, Charles H., III: *See—*
  Gressett, Charles A., Jr.; Todd, Charles H., III; and Page, John F., 304,341, Cl. D17-21.000.
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  Goldsmith, Howard G., 303,878, Cl. D6-368.000.
Toffolon, Siro R., to Avery International. Fork or similar article. 302,640, 8-8-89, Cl. D7-150.000.
Toffolon, Siro R. Fork or similar article. 303,200, 9-5-89, Cl. D7-137.000.
Tofft, Klas, to AB John Sjoding. Combined root canal file and grip handle. 304,858, 11-28-89, Cl. D24-10.000.
Tohl, David B. Simulative riding toy. 301,724, 6-20-89, Cl. D21-74.000.
Tokai Corporation: *See—*
  Nitta, Tomio, 303,758, Cl. D9-300.000.
  Nitta, Tomio, 304,677, Cl. D9-300.000.
Tokarz, Joseph S., to Hollister Incorporated. Combined venting valve and coupling for medical drainage tubes. 300,361, 3-21-89, Cl. D24-53.000.
Tokheim Corporation: *See—*
  Crum, Timothy K.; and Overy, L. Robert, 299,827, Cl. D15-9.100.
  Mittermaier, Armin E.; Crum, Timothy K.; and Nicklin, Lawrence G., 301,342, Cl. D15-9.200.

Tokuda, Hiroyuki, to Canon Kabushiki Kaisha. Electrophotographic copier. 300,749, 4-18-89, Cl. D18-38.000.
Tokuda, Hiroyuki, to Canon Kabushiki Kaisha. Pressure plate for copying machine. 303,546, 9-19-89, Cl. D18-40.000.
Tokyo Compass Mfg. Co., Ltd.: *See—*
  Toshikazu, Yusa, 299,216, Cl. D10-68.000.
  Yusa, Toshikazu, 303,939, Cl. D10-74.000.
Tokyo Electric Co., Ltd.: *See—*
  Tsuruoka, Hideo, 299,494, Cl. D14-118.000.
Tokyo Juki Industrial Co., Ltd.: *See—*
  Kato, Shigemasa; and Takada, Sanae, 301,152, Cl. D13-18.000.
  Kato, Shigemasa; and Takada, Sanae, 301,485, Cl. D18-13.000.
Tokyo Metal Co., Ltd.: *See—*
  Sakai, Akira, 301,555, Cl. D10-97.000.
Toltzman, Randall R. Flower holder. 300,521, 4-4-89, Cl. D11-155.000.
Tom David, Inc.: *See—*
  David, Tom, 301,957, Cl. D7-52.000.
  David, Tom, 303,746, Cl. D7-53.000.
Tomblin, Glen E.: *See—*
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  Szablak, Michael J.; and Tomblin, Glen E., 303,993, Cl. D19-78.000.
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Tominaga, Kazutoshi, to Kabushiki Kaisha Tominaga Jyushi Kogyosho. Aquarium cleaner. 304,506, 11-7-89, Cl. D30-106.000.
Tomkins, Dallas, to International Product Technology and Marketing, Inc. Artificial fingernail with clock/calendar display. 303,161, 8-29-89, Cl. D28-56.000.
Tomoda, Hiroshi, to Sumitomo Rubber Industries, Inc. Motorcycle tire. 301,851, 6-27-89, Cl. D12-140.000.
Tomoda, Kinzo. Golf cart. 301,789, 6-20-89, Cl. D34-15.000.
Tomoike, Maki, to Sharp Kabushiki Kaisha. Printer for cash register. 303,985, 10-10-89, Cl. D18-13.000.
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  Kobayashi, Toshiaki; and Tomura, Atsushi, 301,327, Cl. D12-142.000.
  Kobayashi, Toshiaki; and Tomura, Atsushi, 301,446, Cl. D12-147.000.
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  Kato, Minako, 302,187, Cl. D21-59.000.
  Matsui, Kaori, 300,753, Cl. D21-59.000.
  Matsumoto, Kazumi; and Asami, Asayoshi, 303,684, Cl. D21-11.000.
  Mayuzumi, Masaki, 300,752, Cl. D21-59.000.
  Nuttal, Michael W.; and Tabata, Toshinori, 301,498, Cl. D21-109.000.
  Nuttel, Michael W.; and Tabata, Toshinori, 299,730, Cl. D21-111.000.
  Takei, Masaharu; and Ferguson, Edward, 299,729, Cl. D21-64.000.
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Tomy Kogyo Co., Ltd.: *See—*
  Yabushita, Mieko; and Weiland, Herbert C., 300,937, Cl. D21-59.000.
Tomy Seiko Co., Ltd.: *See—*
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Tong, James K., to AVIA Group International, Inc. Element of a shoe upper. 299,583, 1-31-89, Cl. D2-314.000.
Tong, James K., to AVIA Group International, Inc. Element of a shoe upper. 299,982, 2-28-89, Cl. D2-314.000.
Tong, James K.; and MacGregor, Bruce, to Avia Group International, Inc. Element of a shoe upper. 303,315, 9-12-89, Cl. D2-314.000.
Tong Nan Optical Enterprise Co., Ltd.: *See—*
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Tonkel, Raymond F., to Kangaroos U.S.A., Inc. Athletic shoe. 300,083, 3-7-89, Cl. D2-309.000.
Tonkel, Raymond F., to Kangaroos U.S.A., Inc. Innerboot for athletic shoe. 301,799, 6-27-89, Cl. D2-314.000.
Tonkel, Raymond F., to Kangaroos U.S.A., Inc. Laminal tongue pocket for footwear. 305,178, 12-26-89, Cl. D2-315.000.
Tonner, Peter S., to Joytec Ltd. Simulated golf game apparatus. 304,843, 11-28-89, Cl. D21-11.000.
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  Tonon, Sandro, 301,408, Cl. D6-334.000.
Tonon, Sandro, to Tonon & C. S.p.A. Chair. 301,408, 6-6-89, Cl. D6-334.000.
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  Carlson, Robert B.; and Wucherpfennig, Frederick D., 303,696, Cl. D21-195.000.
  Carlson, Robert B.; and Wucherpfenning, Fredrick D., 304,058, Cl. D21-195.000.

- Hinklin, Darrell W., 305,125, Cl. D15-11.000.
- Lovett, Robert H.; Kakuk, Jay J.; and Ellson, Bart T., 304,324, Cl. D13-30.000.
- White, John O.; and Niskanen, Floyd D., 305,198, Cl. D8-8.000.
- Torongo, Albert H.: *See—*
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- Toru, Kawamura; and Katsunori, Takagi, to Minolta Camera Kabushiki Kaisha. Facsimile. 303,960, 10-10-89, Cl. D14-118.000.
- Tosaka, Yoichi: *See—*
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- Toshiba Electric Appliances Co., Ltd.: *See—*
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  - Nasui, Sadao; and Yajima, Takeo, 299,526, Cl. D23-338.000.
- Toshikazu, Yusa, to Tokyo Compass Mfg. Co., Ltd. Magnetic compass. 299,216, 1-3-89, Cl. D10-68.000.
- 'Totes', Incorporated: *See—*
  - Cain, Ann S., 299,359, Cl. D19-75.000.
  - Ebeling, Thomas, 300,726, Cl. D10-46.000.
- Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., to Motorola, Inc. Portable radio battery or similar article. 299,226, 1-3-89, Cl. D13-8.000.
- Toth, Richard J.; Brinkerhoff, James W.; Siddoway, Craig F.; and Claxton, Bruce A., to Motorola, Inc. Portable two-way radio or similar article. 302,688, 8-8-89, Cl. D14-137.000.
- Toth, Richard J.: *See—*
  - Galvin, Christopher B.; Toth, Richard J.; and Scheid, William J., 303,527, Cl. D14-191.000.
  - Scheid, William J.; Fennell, Robert D.; Lloyd, Robert D.; Toth, Richard J.; and Strobel, Russell A., 303,529, Cl. D14-191.000.
  - Scheid, William J.; McKee, John M.; Kurcbart, Robert; Ranalletta, Joseph V.; Benyo, John R.; and Toth, Richard J., 303,969, Cl. D14-191.000.
  - Scheid, William J.; Toth, Richard J.; and Schwendeman, Robert J., 304,577, Cl. D14-106.000.
  - Siddoway, Craig F.; Toth, Richard J.; and Stanton, Stephen M., 302,161, Cl. D14-257.000.
- Totten, John, to Porta-Nails, Inc. Centering guide for a portable drill. 301,208, 5-23-89, Cl. D10-61.000.
- Tough, Timothy: *See—*
  - Davis, Dennis W. P.; and Tough, Timothy, 302,558, Cl. D15-28.000.
- Tovey, Geoffrey D., to Smith Kline & French Laboratories, Ltd. Tablet. 301,637, 6-13-89, Cl. D28-2.000.
- Tovey, Geoffrey D., to Smith Kline & French Laboratories, Ltd. Pharmaceutical tablet. 303,160, 8-29-89, Cl. D28-2.000.
- Tovey, Geoffrey D., to Smith Kline & French Laboratories, Ltd. Pharmaceutical tablet. 304,244, 10-24-89, Cl. D28-2.000.
- Tow, Gregory M., to Sunbeam Corporation Limited. Electric toaster. 300,798, 4-25-89, Cl. D7-330.000.
- Towers, Lawrence A.; Velazquez, Herb F.; Stafford, Franz K.; and Werther, William. Drink coaster. 305,195, 12-26-89, Cl. D7-45.000.
- Townend, Donald G. Head for a hand-held riveting tool. 302,644, 8-8-89, Cl. D8-52.000.
- Townsend, Donald W., to Stellar Energy Systems, Inc. Building with solar concentrator roof. 303,715, 9-26-89, Cl. D25-27.000.
- Toyoda Gosei Co., Ltd.: *See—*
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- Toyoda, Hiroshi: *See—*
  - Ueda, Yoshiaki; Toyoda, Hiroshi; Mano, Kazunori; Tsuruha, Toshiaki; and Kanza, Akinobu, 300,598, Cl. D7-360.000.
- Toyota Jidosha Kabushiki Kaisha: *See—*
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  - Ikeda, Mitsuo, 299,916, Cl. D12-169.000.
  - Ikeda, Mitsuo, 300,419, Cl. D12-169.000.
  - Ikeda, Mitsuo, 301,630, Cl. D26-28.000.
  - Ikeda, Mitsuo, 304,563, Cl. D12-163.000.
  - Jiroubou, Hironori, 301,629, Cl. D26-28.000.
  - Kikuchi, Hideto; and Sakurado, Hideyuki, 300,525, Cl. D12-181.000.
  - Toyota, Taiji, 302,320, Cl. D26-28.000.
- Toyota, Taiji, to Toyota Jidosha Kabushiki Kaisha. Rear combination lamp for an automobile. 302,320, 7-18-89, Cl. D26-28.000.
- Toyotomi Kogyo Co., Ltd.: *See—*
  - Mito, Yoshio, 301,163, Cl. D23-338.000.
  - Mito, Yoshio, 305,260, Cl. D23-337.000.
- Trabattoni, Roberto. Cosmetic case. 301,641, 6-13-89, Cl. D28-79.000.
- Traex Corporation: *See—*
  - Wenkman, Gregory J., 303,747, Cl. D7-104.000.
- Trafford, Lawrence F., to Elgin Local Employment Assistance and Development Corporation. Tie rack. 301,524, 6-13-89, Cl. D6-324.000.
- Trapasso, Richard. Arm-attached tree climbing tool. 300,713, 4-18-89, Cl. D8-1.000.
- Trast Enterprise S.r.l.: *See—*
  - Agostini, Fabrizio; and Gucci Ludolf, Uberto, 301,019, Cl. D10-126.000.
  - Agostini, Fabrizio, 301,557, Cl. D10-126.000.
- Trees, Richard L. File board shoe. 303,614, 9-26-89, Cl. D8-70.000.
- Trelleborg AB: *See—*
  - Dehlen, Bengt L. A., 300,327, Cl. D15-147.000.
  - Dehlen, Bengt L. A., 302,019, Cl. D15-147.000.
  - Dehlen, Bengt L. A., 302,983, Cl. D15-147.000.
- Treptow, Thomas; and Loftus, John M., to Western Digital Corporation. Stackable housing for computer peripheral components. 301,137, 5-16-89, Cl. D13-40.000.
- Trextor Inc.: *See—*
  - Cowan, Murray L., 305,005, Cl. D11-25.000.
- Tri Tool Inc.: *See—*
  - Sandford, William E.; and Linton, Terry B., 303,487, Cl. D8-61.000.
- Trickett, David, to Haventrail Limited. Aerosol can. 299,810, 2-14-89, Cl. D9-300.000.
- Trico Mfg. Corp.: *See—*
  - Jung, Donald R., 302,888, Cl. D34-20.000.
- Triliium Telephone Systems Inc.: *See—*
  - Lotz, Willi, 300,426, Cl. D14-240.000.
- Trine, Cecil W. Animal feeding dish rack. 302,756, 8-8-89, Cl. D30-133.000.
- Trinity Music Computer, Inc.: *See—*
  - Conaway, Steven, 302,701, Cl. D19-62.000.
- Trinnaman, Jay E., to Abraham, Michael A. Truck grill guard. 300,420, 3-28-89, Cl. D12-171.000.
- Tripp, Leslie K. Lantern stand. 305,071, 12-12-89, Cl. D26-138.000.
- Trisa Burstenfabrik AG: *See—*
  - Fischer, Franz, 301,404, Cl. D4-128.000.
- Trombly, Edgar F., to Thermo-Serv, Inc. Carafe with stopper. 300,107, 3-7-89, Cl. D7-317.000.
- Tropitone Furniture Company, Inc.: *See—*
  - Colby, Donald B., 300,996, Cl. D6-487.000.
- Trott, J. Anthony. Disposable surgical tool for removal of skin cancers. 302,590, 8-1-89, Cl. D24-28.000.
- Troutner, Vernon H.; and King, Martin J., to McNeilab, Inc. Patient photopheresis treatment unit. 299,531, 1-24-89, Cl. D24-1.100.
- Troutner, Vernon H.: *See—*
  - King, Martin J.; and Troutner, Vernon H., 299,953, Cl. D24-1.100.
- Troy Lee Designs: *See—*
  - Lee, Troy M., 30[illegible] 852, Cl. D29-18.000.
- Trubiano, Antoine, to Cari-All Inc. Shopping cart lock. 300,720, 4-18-89, Cl. D8-330.000.
- Trubiano, Antoine, to Cari-All Inc. Multi-shelf dolly. 301,075, 5-9-89, Cl. D34-21.000.
- Trucker's Comfort Systems, Inc.: *See—*
  - Giles, William E.; and Kapp, Joseph P., 304,174, Cl. D13-31.000.
- True Fitness Technology, Inc.: *See—*
  - Trulaske, James A.; and Trulaske, Frank R., 303,556, Cl. D21-192.000.
- Trulaske, Frank R.: *See—*
  - Trulaske, James A.; and Trulaske, Frank R., 303,556, Cl. D21-192.000.
- Trulaske, James A.; and Trulaske, Frank R., to True Fitness Technology, Inc. Exercise treadmill. 303,556, 9-19-89, Cl. D21-192.000.
- Trusky, Michael T., to Harley-Davidson, Inc. Bicycle. 299,220, 1-3-89, Cl. D12-111.000.
- Truth Incorporated: *See—*
  - Mosch, Duane L., 302,651, Cl. D8-337.000.
  - Mosch, Duane L., 303,075, Cl. D8-301.000.
  - Mosch, Duane L., 303,490, Cl. D8-321.000.
- Tsai, Douglas G. Barbeque grill. 302,778, 8-15-89, Cl. D7-335.000.
- Tsai, Jih-Tu. Hair dryer. 302,868, 8-15-89, Cl. D28-13.000.
- Tsai, K. Fou: *See—*
  - Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,699, Cl. D19-26.000.
  - Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 302,830, Cl. D19-26.000.
  - Popat, Ghanshyam H.; Chen, Tien-Tsung; Binkley, Christopher H.; and Tsai, K. Fou, 304,343, Cl. D19-26.000.
- Tsamas, Anton. Key ring. 303,322, 9-12-89, Cl. D3-61.000.
- Tsen, John B. Tongue scraper. 301,372, 5-30-89, Cl. D24-10.000.
- Tsubaki, Hiroyuki: *See—*
  - Nishiyori, Hiroaki; and Tsubaki, Hiroyuki, 305,024, Cl. D14-131.000.
- Tsubokuda, Syoji: *See—*
  - Kumagai, Kenta; Chiba, Noboru; and Tsubokuda, Syoji, 300,173, Cl. D23-351.000.
- Tsuchihashi, Yoshiaki: *See—*
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- Tsuda, Toru; Motomura, Kenichi; and Masuda, Hidenori, to Bridgestone Corporation. Automobile tire. 301,133, 5-16-89, Cl. D12-145.000.
- Tsuda, Toru; and Sakamaki, Yuji, to Bridgestone Corporation. Automobile tire. 303,945, 10-10-89, Cl. D12-147.000.
- Tsuda, Toru; and Motomura, Kenichi, to Bridgestone Corporation. Automobile tire. 304,556, 11-14-89, Cl. D12-142.000.
- Tsuda, Toru: *See—*
  - Hayakawa, Toshio; and Tsuda, Toru, 305,016, Cl. D12-147.000.
- Tsuji, Masao, to North American Philips Corporation. Under-cabinet can opener. 300,201, 3-14-89, Cl. D8-37.000.
- Tsuji, Masao, to North American Philips Corp. Charger base for a battery operated electric knife. 300,213, 3-14-89, Cl. D13-6.000.
- Tsuji, Masao, to North American Philips Corp. Carafe. 302,37 7-25-89, Cl. D7-319.000.
- Tsuji, Masao, to North American Philips Corp. Handle for a mixer or the like. 303,065, 8-29-89, Cl. D7-379.000.
- Tsuji, Masao, to North American Philips Corp. Charger base for a battery-operated mixer. 303,245, 9-5-89, Cl. D13-6.000.
- Tsuji, Masao, to North American Philips Corporation. Electric coffee maker. 303,480, 9-19-89, Cl. D7-309.000.

- Tsuji, Masao, to North American Philips Corp. Coffee maker. 304,410, 11-7-89, Cl. D7-309.000.
- Tsuji, Shintaro, to Sanrio Company, Ltd. Hammer. 300,504, 4-4-89, Cl. D8-77.000.
- Tsuji, Shintaro, to Sanrio Company, Ltd. Scissors. 304,418, 11-7-89, Cl. D8-57.000.
- Tsuji, Shintaro, to Sanrio Company, Ltd. Case for magnifying glass or the like. 305,079, 12-19-89, Cl. D3-33.000.
- Tsuji, Shintaro, to Sanrio Company, Ltd. Hand saw. 305,095, 12-19-89, Cl. D8-95.000.
- Tsuji, Shintaro, to Sanrio Company, Ltd. Telescope. 305,128, 12-19-89, Cl. D16-132.000.
- Tsuji, Yasuyuki: *See—*
  - Ohtani, Rikio; Tsuji, Yasuyuki; Nakamura, Kimio; Kubo, Kazuyuki; Chikuzenya, Takao; and Nishino, Osamu, 305,130, Cl. D18-13.000.
- Tsujimoto, Kazuo, to Sharp Kabushiki Kaisha. Clock radio. 303,968, 10-10-89, Cl. D14-171.000.
- Tsujita, Yoshihiro: *See—*
  - Fujita, Shinichi; Nakamachi, Tsuyoshi; and Tsujita, Yoshihiro, 302,274, Cl. D14-138.000.
- Tsujui, Hiroaki: *See—*
  - Yamase, Shinichi; Tsujui, Hiroaki; and Aoyama, Yoshihiko, 299,708, Cl. D12-110.000.
- Tsukada, Akira, to Sharp Corporation. Typewriter. 299,358, 1-10-89, Cl. D18-1.000.
- Tsukada, Akira, to Sharp Corporation. Typewriter. 300,146, 3-7-89, Cl. D18-1.000.
- Tsukada, Akira; and Makidera, Tooru, to Sharp Corporation. Cash register. 301,894, 6-27-89, Cl. D18-4.000.
- Tsukada, Akira; and Wada, Tatsumi, to Sharp Kabushiki Kaisha. Cash register. 303,395, 9-12-89, Cl. D18-4.000.
- Tsukada, Akira, to Sharp Kabushiki Kaisha. Printer for cash register. 303,984, 10-10-89, Cl. D18-13.000.
- Tsukada, Akira, to Sharp Kabushiki Kaisha. Printer for cash register. 304,457, 11-7-89, Cl. D18-13.000.
- Tsukada, Akira, to Sharp Kabushiki Kaisha. Cartridge for ink ribbon. 304,955, 12-5-89, Cl. D18-12.000.
- Tsukagoshi, Tetsuhito: *See—*
  - Himuro, Yasuo; and Tsukagoshi, Tetsuhito, 301,132, Cl. D12-145.000.
- Tsukahara, Kaoru, to Casio Computer Co., Ltd. Wrist watch. 300,513, 4-4-89, Cl. D10-30.000.
- Tsukamoto, Ikuo: *See—*
  - Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, 300,240, Cl. D23-314.000.
- Tsukui, Hiroaki: *See—*
  - Yamase, Shinichi; Tsukui, Hiroaki; and Aoyama, Yoshihiko, 300,211, Cl. D12-110.000.
- Tsukui, Shigeru, to Citizen Watch Co., Ltd. Watch case with band. 299,811, 2-14-89, Cl. D10-32.000.
- Tsunematsu, Shinichiro: *See—*
  - Hashimoto, Kazunori; Kawakatsu, Yoshihiro; Ebihara, Tooru; Shimizu, Hideyasu; Tsunematsu, Shinichiro; and Takeda, Hirokazu, 304,722, Cl. D14-118.000.
- Tsuruha, Toshiaki: *See—*
  - Ueda, Yoshiaki; Toyoda, Hiroshi; Mano, Kazunori; Tsuruha, Toshiaki; and Kanza, Akinobu, 300,598, Cl. D7-360.000.
- Tsuruoka, Hideo, to Tokyo Electric Co., Ltd. Telephone equipped facsimile. 299,494, 1-24-89, Cl. D14-118.000.
- Tsutsumi, Kohtaroh: *See—*
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  - Furusawa, Toshinori; and Tsutsumi, Kohtaroh, 301,853, Cl. D12-146.000.
- Tsuyama Mfg. Co., Ltd.: *See—*
  - Tsuyama, Sadaharu, 299,371, Cl. D21-194.000.
- Tsuyama, Sadaharu, to Tsuyama Mfg. Co., Ltd. Bicycle exerciser. 299,371, 1-10-89, Cl. D21-194.000.
- Tu, Tung-Che. Stationery case. 302,026, 7-4-89, Cl. D19-75.000.
- Tucker, David J. Fishing lure. 300,449, 3-28-89, Cl. D22-128.000.
- Tucker, J. Camille; and Weiswurm, Klaus D., to Gee-I-Go, Inc. Combined car seat and stroller. 302,410, 7-25-89, Cl. D12-129.000.
- Tucker, James E.; and Beecher, John, III, to Weber-Stephen Products Co. Barbecue tong. 299,996, 2-28-89, Cl. D7-105.000.
- Tucker, James E.; and Beecher, John, III, to Weber-Stephen Products Co. Barbecue fork. 299,997, 2-28-89, Cl. D7-106.000.
- Tucker, James E. Boat. 302,675, 8-8-89, Cl. D12-314.000.
- Tucker, Julia B. Combination utility tool. 301,826, 6-27-89, Cl. D8-18.000.
- Tuescher Kunststoffe und Formenbau AG: *See—*
  - Moser, Andreas, 300,409, Cl. D10-30.000.
- Tuggle, Lloyd H.; and Sadler, Jeffery G., to White Consolidated Industries, Inc. Power head for a vegetation cutter. 304,196, 10-24-89, Cl. D15-1.000.
- Tulipe International Inc.: *See—*
  - French, John, 304,984, Cl. D6-552.000.
- Tullamore Nominees Pty. Ltd.: *See—*
  - Rex, Robert J., 301,129, Cl. D12-51.000.
- Tunberg, Bruce A.: *See—*
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- Tungtzu Industrial Co., Ltd.: *See—*
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- Tunila, Robert F. Combination juice reservoir and dispenser. 304,663, 11-21-89, Cl. D7-397.000.
- Tunturi, Inc.: *See—*
  - Sherrard, Steven T., 302 837, Cl. D21-192.000.
- Tunturipyora Oy: *See—*
  - Kiiski, Heikki, 303,557, Cl. D21-192.000.
  - Lehtonen, Kari, 301,597, Cl. D21-195.000.
  - Salovaara, Juhani, 301,268, Cl. D21-194.000.
- Turbeville, Terry A. Display stand for literature. 304,000, 10-17-89, Cl. D6-310.000.
- Turbo Tek Enterprises: *See—*
  - Proctor, Rudy R.; and Reinstein, Fred M., 300,453, Cl. D23-226.000.
- Turkhot Tech. Inc.: *See—*
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- Turley, Bill B. Four-sided bookshelf. 301,421, 6-6-89, Cl. D6-478.000.
- Turlington, Jack C., Jr. Invalid-carrying beach chair. 302,959, 8-22-89, Cl. D12-128.000.
- Turner, Alexander; Lewis, Bradley W.; De Oliveira, Egidio L.; and Scoville, John R., to MDT Corporation. Electrosurgical pencil. 301,739, 6-20-89, Cl. D24-26.000.
- Turner, Dan B., Jr.; and Doucet, Richard, Jr. Buoyant advertising straw. 303,197, 9-5-89, Cl. D7-42.000.
- Turner, Donald G., to Lasergate Systems, Inc. Card-operated access control unit. 302,936, 8-22-89, Cl. D8-343.000.
- Turner, Donald R.; Kramer, Karl C.; and Wasserman, Gerald S., to General Foods Corp. & Williams Industries. Apertured lid or the like. 302,794, 8-15-89, Cl. D9-447.000.
- Turner, Douglas A., to G. T. Styling, Inc. Hood protector shield. 300,918, 5-2-89, Cl. D12-190.000.
- Turner, James M. Bowling shoe protector. 300,684, 4-18-89, Cl. D2-277.000.
- Turner, Richard L.: *See—*
  - Simpkins, Terry J.; and Turner, Richard L., 300,657, Cl. D24-3.000.
  - Simpkins, Terry J.; and Turner, Richard L., 301,925, Cl. D24-3.000.
- Turner, Robert A.; and Pool, Daniel L. Combined storage cabinet and rack. 303,744, 10-3-89, Cl. D6-559.000.
- Turner, Ronald R.: *See—*
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- Tusco Manufacturing Comnpany: *See—*
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- Tusco Manufacturing Company: *See—*
  - Everett, Lynn E., 299,598, Cl. D6-432.000.
  - Everett, Lynn E.; and Van Cleave, Stephen W., 299,599, Cl. D6-436.000.
  - Everett, Lynn E., 299,990, Cl. D6-415.000.
  - Everett, Lynn E., 300,590, Cl. D6-408.000.
  - Everett, Lynn E.; and Van Cleave, Stephen W., 302,218, Cl. D6-462.000.
  - Van Cleave, Stephen W., 299,390, Cl. D6-436.000.
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- Twin Bird industrial Company Limited: *See—*
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  - Nomizu, Hidekatsu, 304,018, Cl. D10-2.000.
  - Nomizu, Hidekatsu, 304,161, Cl. D10-21.000.
  - Sakai, Toshiaki, 300,876, Cl. D26-107.000.
- Tyler, Kent. Novelty golf club. 300,339, 3-21-89, Cl. D21-215.000.
- Tyo, Diane: *See—*
  - Tyo, James; and Tyo, Diane, 304,495, Cl. D24-36.000.
- Tyo, James; and Tyo, Diane. Scar massaging roller. 304,495, 11-7-89, Cl. D24-36.000.
- U.S.D. Corp.: *See—*
  - Faulconer, Mark, 300,340, Cl. D21-238.000.
  - Faulconer, Mark, 302,393, Cl. D10-70.000.
- U. Scharer Sohne AG (USM): *See—*
  - Scherrer, Kurt, 305,189, Cl. D6-510.000.
- Uchida, Shuhei. Trimmer for scalp and facial hair. 302,601, 8-1-89, Cl. D28-53.000.
- Uchida, Toshiaki: *See—*
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  - Sasaki, Yuichiro; and Uchida, Toshiaki, 302,646, Cl. D8-68.000.
- Uchino, Fumio: *See—*
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- Uchiyama, T., to Echolac Co., Ltd. Luggage. 299,589, 1-31-89, Cl. D3-76.000.
- Uchiyama, T., to Echolac Co., Ltd. Brief case. 303,455, 9-19-89, Cl. D3-76.000.
- UCP International Company Limited: *See—*
  - Ku, Eva K., 300,044, Cl. D21-190.000.
- Udagawa, Junichi: *See—*
  - Umehara, Nobuhiro; Nishite, Yoshitoyo; Nakao, Kazuhiko; and Udagawa, Junichi, 300,279, Cl. D32-6.000.
- Udagawa, Yoshio, to Dah Yan Toy Industrial Co., Ltd.; and Toplay (T.P.S.) Ltd. Toy trackway. 300,644, 4-11-89, Cl. D21-143.000.
- Udelhofen, Mark J.: *See—*
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- Ueda, Yoshiaki; Toyoda, Hiroshi; Mano, Kazunori; Tsuruha, Toshiaki; and Kanza, Akinobu, to Matsushita Electric Industrial Co., Ltd. Rice cooker. 300,598, 4-11-89, Cl. D7-360.000.
- Ueda, Yoshitaka: *See—*
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- Uematsu, Toyoyuki: *See*—
  - Makino, Katsuhiko; Akita, Tsugio; Fujii, Mitsunari; Nishiyori, Hiroaki; Uematsu, Toyoyuki; Kawata, Yoshiaki; and Yasuno, Hiroshi, 300,633, Cl. D14-131.000.
- Uemura, Shigehiro, to Sanyo Electric Co., Ltd. Portable vacuum cleaner. 302,757, 8-8-89, Cl. D32-18.000.
- Ueno, Naohiro: *See*—
  - Goldman, Jonathan; and Ueno, Naohiro, 299,912, Cl. D11-38.000.
  - Goldman, Jonathan; and Ueno, Naohiro, 302,954, Cl. D11-38.000.
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  - Kiyooka, Katsumi; Ueno, Tetsuo; Iramina, Keiko; and Inomata, Hideko, 303,973, Cl. D15-10.000.
- Ueno, Yutaka, to Kabushiki Kaisha Showa Seisakusho. Shock absorber for motorcycle. 302,672, 8-8-89, Cl. D12-159.000.
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- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy box. 304,352, 10-31-89, Cl. D21-59.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy stapler. 304,355, 10-31-89, Cl. D21-120.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy box. 304,739, 11-21-89, Cl. D21-59.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy compass. 304,741, 11-21-89, Cl. D21-109.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy flashlight. 304,742, 11-21-89, Cl. D21-109.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy tape measure. 304,743, 11-21-89, Cl. D21-109.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy scissors. 304,744, 11-21-89, Cl. D21-120.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy hole punch. 304,745, 11-21-89, Cl. D21-120.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy box. 305,247, 12-26-89, Cl. D21-59.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy pencil sharpener. 305,248, 12-26-89, Cl. D21-59.000.
- Ukisu, Hiroshi, to Epoch Company, Ltd. Simulative toy tape dispenser. 305,249, 12-26-89, Cl. D21-59.000.
- Ullman, Johan; and Aust, Fredrik, to Ullman, Johan. Boat fender. 299,915, 2-21-89, Cl. D12-168.000.
- Ullman, Johan. Chair. 305,082, 12-19-89, Cl. D6-366.000.
- Ullmann, Roland, to Braun Aktiengesellschaft. Electric dry shaver. 305,159, 12-19-89, Cl. D28-49.000.
- Ulticon Systems, Inc.: *See*—
  - Yankoff, Gerald K., 301,478, Cl. D15-7.000.
- Ultimate Swivel Systems Limited: *See*—
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- Umeda, Toyoji, to Daiwa Seiko, Inc. Line guide for fishing rod. 301,052, 5-9-89, Cl. D22-143.000.
- Umehara, Nobuhiro; Nishite, Yoshitoyo; Nakao, Kazuhiko; and Udagawa, Junichi, to Kabushiki Kaisha Toshiba. Washing machine. 300,279, 3-14-89, Cl. D32-6.000.
- Umemura, Hiroyuki: *See*—
  - Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, 300,240, Cl. D23-314.000.
- Umino, Toshio, to Canon Kabushiki Kaisha. Electrophotographic copier. 300,328, 3-21-89, Cl. D18-37.000.
- Umino, Toshio, to Canon Kabushiki Kaisha. Pressure plate for copying machine. 303,544, 9-19-89, Cl. D18-40.000.
- Underwater Systems Australia Limited: *See*—
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- Ungar, Joseph L.: *See*—
  - LaCelle, Leroy J.; Ungar, Joseph L.; and Selke, Gary J., 300,241, Cl. D24-1.100.
- Unger, Chris D. Automobile. 301,323, 5-30-89, Cl. D12-92.000.
- Unger, Chris D. Automobile. 301,324, 5-30-89, Cl. D12-92.000.
- Unger, Chris D. Automobile. 301,325, 5-30-89, Cl. D12-92.000.
- Unger, Steve A., to Syracuse China Corporation. Plate or similar article. 303,196, 9-5-89, Cl. D7-21.000.
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  - Shoreman, Helen Z.; and Unger, Steve A., 300,292, Cl. D7-39.000.
  - Shoreman, Helen Z., and Unger, Steve A., 300,401, Cl. D7-39.000.
- Unidare Engineering Limited: *See*—
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- Uniden Corporation of America: *See*—
  - George, David L.; and Schatz, Steven M., 301,886, Cl. D14-299.000.
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- Union Carbide Canada Limited: *See*—
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- Union Hospital Foundation, Inc.: *See*—
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  - Singletary, Winfield S., Jr., 300,854, Cl. D24-51.000.
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  - Arts, Gerardus W. M., 303,296, Cl. D26-67.000.
  - Beeren, Aloysius J. M., 302,926, Cl. D7-317.000.
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  - Brandsma, Sies K., 305,234, Cl. D14-194.000.
  - Camens, Murray I. C., 301,715, Cl. D14-192.000.
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  - Davidson, Grant M. N., 301,580, Cl. D14-171.000.
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  - Mednis, Juris M., 304,806, Cl. D9-376.000.
- Unno, Kenichiro, to Tanaka Manufacturing Co. Ltd. Vehicle compa with light. 303,505, 9-19-89, Cl. D10-68.000.
- Uozumi, Takao, to NEC Corporation. Antenna for a mini satellite eart station. 303,972, 10-10-89, Cl. D14-231.000.
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- Uredat, Claus K., to Cirkel B.V. Chair. 300,585, 4-11-89, Cl. D 366.000.
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  - Nagai, Yawara; Yoshinari, Shigeru; and Ushikubo, Masao, 304,307, Cl. D10-81.000.
- Utas-Sjoberg, Jan M. R., to Astra Meditec Aktiebolag. Storage unit comprising a wetting pocket, a catheter, an inner pocket and tablet tube. 300,947, 5-2-89, Cl. D24-54.000.
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- Vai, Steven S. Guitar. 305,129, 12-19-89, Cl. D17-14.000.
- Vakil, Usman U., to Lights Of America, Inc. Fluorescent lamp adapter base. 304,030, 10-17-89, Cl. D13-25.000.
- Valdes, Oscar R. Tortilla warmer. 305,197, 12-26-89, Cl. D7-354.000.
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- Van Asten, Jan F., to U.S. Philips Corporation. Grill. 301,671, 6-20-89, Cl. D7-352.000.
- Van Asten, Jan F.; and Van Surksum, Gerrit-Jan, to U.S. Philips Corporation. Vacuum cleaner. 302,877, 8-15-89, Cl. D32-21.000.
- Van Asten, Jan F., to U.S. Philips Corporation. Toaster. 304,661, 11-21-89, Cl. D7-330.000.
- Van Cleave, Stephen W., to Tusco Manufacturing Company. Photo film drop stand. 299,390, 1-17-89, Cl. D6-436.000.
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- Van de Ven, Petrus W. J., to U.S. Philips Corporation. Loudspeaker grille. 302,980, 8-22-89, Cl. D14-219.000.
- van Engeland, Willi, to Staat Der Nederlanden. Table. 305,188, 12-26-89, Cl. D6-487.000.
- van Erkel, Jan A. Party plate. 305,192, 12-26-89, Cl. D7-1.000.
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- Van Meter, John B. House sculpture toy figure. 304,054, 10-17-89, Cl. D21-155.000.
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  - Nichols, John W.; and Van Pinkerton, Stevens, Jr., 304,006, Cl. D6-553.000.
- Van Sant, Lisa P. Flower container. 301,991, 7-4-89, Cl. D11-149.000.
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- VanWassehnova, Emerson J.; and Sagar, Percy K., to Lithibar Matik, Inc. Six cavity building block. 304,500, 11-7-89, Cl. D25-114.000.
- VanWassehnova, Emerson J.; and Sagar, Percy K., to Lithibar Matik, Inc. Four cavity building block. 304,501, 11-7-89, Cl. D25-114.000.
- VanWeelden, Roger M., to USG Corporation. Decorative sliding door. 299,754, 2-7-89, Cl. D25-48.000.
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- Vasilakes, Lloyd S.; Reshanov, Eugene N.; and Miles, Alden R., to Minnesota Mining and Manufacturing Company. Adhesive tape dispenser. 299,658, 1-31-89, Cl. D19-69.000.
- Vasudeva, Hari D. Pressure cooker. 303,064, 8-29-89, Cl. D7-358.000.
- Vazquez, Thomas; and Ferguson, John D., to Armor All Products Corporation. Bottle or similar article. 300,208, 3-14-89, Cl. D9-378.000.
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- Vendetti, Peter. Model car. 305,250, 12-26-89, Cl. D21-136.000.
- Venne, Clarence J.; and Venne, Richard A., to Clarence J. Venne, Inc. Ink dispensing bottle. 300,118, 3-7-89, Cl. D9-350.000.
- Venne, Clarence J.; and Venne, Richard A., to Clarence J. Venne, Inc. Ink dispensing bottle. 303,926, 10-10-89, Cl. D9-349.000
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  - Syme, Duncan C.; and Smith, Vance R., 300,355, Cl. D23-346.000.
  - Syme, Duncan C.; and Smith, Vance R., 301,059, Cl. D23-346.000.
  - Syme, Duncan C.; and Smith, Vance R., 303,328, Cl. D6-335.000.
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- Ver Nooy, Nancy M.; and Arney, Michel D., to Wang Laboratories, Inc. Portable computer. 303,250, 9-5-89, Cl. D14-106.000.
- Vero, Radu. Multi-storied building. 304,081, 10-17-89, Cl. D25-5.000.
- Vetter, Jean A. Bug figure lottery ticket holder. 299,731, 2-7-89, Cl. D21-185.000.
- Vezirian, Edward; and Hinton, Earle L. Communion cup. 304,514, 11-7-89, Cl. D99-25.000.
- Vezirian, Leonard. Communion cup. 303,311, 9-5-89, Cl. D99-25.000.
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- Viancin, Claude, to S.N. Vivalp. Steam oven. 301,428, 6-6-89, Cl. D7-350.000.
- Vickers, Michael W.; and Stubbs, David W., to Maxcom Electronics, Inc. Pager. 302,810, 8-15-89, Cl. D14-191.000.
- Vickery, Dana L., to Simplex Time Recorder Co. Clock. 299,316, 1-10-89, Cl. D10-15.000.
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Viera, Alex. Sailboard boom grip. 299,820, 2-14-89, Cl. D12-317.000.

Viesturs, Eric. Inflatable mattress. 304,652, 11-21-89, Cl. D6-604.000.

Vigil, George J. Handset telephone. 304,336, 10-31-89, Cl. D14-143.000.

Vignale, Grace M. Towel bar attached shelf. 299,894, 2-21-89, Cl. D6-574.000.

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Vignot, Eric, to Alpha-Systems. Liquid-soap dispenser. 300,193, 3-14-89, Cl. D6-542.000.

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Vonhausen, Robert, to VOKO Franz Vogt & Co. Armchair. 301,663, 6-20-89, Cl. D6-372.000.

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Vories, Dennis L., to F. B. Nutter Enterprises, Inc. Radio receiver housing. 302,157, 7-11-89, Cl. D14-192.000.

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Wada, Masaru; and Shimizu, Atsushi, to Terumo Kabushiki Kaisha. Culture dish. 303,428, 9-12-89, Cl. D24-29.000.

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Wagner, Barbara. Self-locking identification bracelet. 303,639, 9-26-89, Cl. D11-4.000.

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Wagner, Hans R. Paper clip or similar article. 301,897, 6-27-89, Cl. D19-65.000.

Wagner, Kenneth E., to Iatrics, Part of the Synod Group. Wheelchair. 300,733, 4-18-89, Cl. D12-131.000.

Wagner, Leonard A. Combined wine and glass rack. 304,401, 11-7-89, Cl. D6-514.000.

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Wakamatsu, Masamichi, to Casio Computer Co., Ltd. Wrist watch. 303,768, 10-3-89, Cl. D10-38.000.

Wakefield, Lindsay, to Safetech Pty. Ltd. Load elevating table. 302,893, 8-15-89, Cl. D34-31.000.

Waldrup, Herman H., to Heli Plex, Inc. Helicopter windshield unit. 304,438, 11-7-89, Cl. D12-345.000.

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Walker, Robert A. Air mattress. 300,194, 3-14-89, Cl. D6-604.000.

Walker, Thomas. Paint brush holder. 300,970, 5-2-89, Cl. D32-54.000.

Wallace, David R.; Rothschild, George E.; and Hamilton, Robert W. Adjustable crib. 300,697, 4-18-89, Cl. D6-391.000.

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Wallace, Ronald I. Storage rack for disks, diskettes, and the like. 301,189, 5-23-89, Cl. D6-407.000.

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Wallet, Bill J., to Firestone Tire & Rubber Company, The. Tire. 299,331, 1-10-89, Cl. D12-147.000.

Wallet, Bill J., to Firestone Tire & Rubber Company, The. Tire. 299,711, 2-7-89, Cl. D12-147.000.

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Wallick, Claude R., Jr.; and Schmitt, Thomas J., to Emerson Electric Co. Step ladder back section. 300,366, 3-21-89, Cl. D25-68.000.

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Walsh, Norma E. Hanging modular planter. 300,192, 3-14-89, Cl. D6-514.000.

Waltel, Joe, Jr. Plant support. 303,340, 9-12-89, Cl. D8-1.000.

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Walter, Herbert. Bracket for a poster. 301,491, 6-6-89, Cl. D20-43.000.

Walter, Herbert, to Fehlbaum & Co. Display stand for apparel. 302,080, 7-11-89, Cl. D6-411.000.

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Wan, Yiu C. A., to Fee Tat Plastic Factory Limited. Multi-function lantern. 304,090, 10-17-89, Cl. D26-42.000.

Wang, Bok K. Revolving door. 305,152, 12-19-89, Cl. D25-48.000.

Wang, Chung-Jang. Multiple outlet electrical receptacle. 301,576, 6-13-89, Cl. D13-30.000.

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Wang, Li-Yu. Adjustable hat buckling belt. 299,380, 1-17-89, Cl. D2-261.000.

Wang, Ming L. Scissors. 303,486, 9-19-89, Cl. D7-57.000.

Wang, Po-Hsiung. Water flow control unit. 299,516, 1-24-89, Cl. D23-200.000.

Wang, Tim. Ceramic heating element. 304,230, 10-24-89, Cl. D23-386.000.

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Ward, Gary P. Fishing hook and swivel holder. 304,067, 10-17-89, Cl. D22-149.000.

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Watanabe, Hiroaki, to Ricoh Company, Ltd. Facsimile transmitter/-receiver. 304,184, 10-24-89, Cl. D14-118.000.

Watanabe, Hiroaki, to Ricoh Company, Ltd. Facsimile transceiver/-receiver. 304,828, 11-28-89, Cl. D14-118.000.

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Watanabe, Katsuhito, to Oki Electric Industry Co., Ltd. Combined handset radio telephone and stand with antenna. 300,429, 3-28-89, Cl. D14-138.000.

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Watanabe, Katsuhito, to Oki Electric Industry Co., Ltd. Automotive telephone control unit. 302,271, 7-18-89, Cl. D14-140.000.

Watanabe, Kiyoshi, to Top Kogyo Co., Ltd. Fipe wrench. 299,610, 1-31-89, Cl. D8-22.000.

Watanabe, Makiko, to Tomy Kogyo Co., Inc. Water game housing. 304,463, 11-7-89, Cl. D21-12.000.

Watanabe, Makiko, to Tomy Company, Ltd. Toy robot. 304,962, 12-5-89, Cl. D21-150.000.

Watanabe, Masahiro; and Furusawa, Masaki, to Honda Giken Kogyo Kabushiki Kaisha. Tracked load carrying vehicle. 300,977, 5-2-89, Cl. D34-28.000.

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  Tucker, James E.; and Beecher, John, III, 299,997, Cl. D7-106.000.
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Weder, Donald E., to Highland Supply Corporation. Vase. 302,254, 7-18-89, Cl. D11-153.000.
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Weder, Donald E., to Highland Supply Corporation. Vase. 302,405, 7-25-89, Cl. D11-155.000.
Weder, Donald E., to Highland Supply Corporation. Vase. 302,406, 7-25-89, Cl. D11-155.000.
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Weiler, Gabriele, to Henkel Kommanditgesellschaft auf Aktien. Container for liquids with integrally designed cap with flip lid. 302,385, 7-25-89, Cl. D9-377.000.
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Weiner, Stanley, to United States Shoe Corporation, The. Walking shoe. 301,386, 6-6-89, Cl. D2-309.000.
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Weissberg, Gary S.; Kwang, David; and Yamada, Masahiko, to Concept Enterprises, Inc. Component for a vehicular loudspeaker. 302,556, 8-1-89, Cl. D14-222.000.
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- Williamson, William W.; and Brunius, Robert E., to Interactive Technologies, Inc. Combined annunciator and telephone jack wall plate and a junction box therefor. 299,422, 1-17-89, Cl. D8-353.000.
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- Willingham, Sybil E. Cage. 300,377, 3-21-89, Cl. D30-116.000.
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- Wilson, James A., to Bolduc, Raymond Ernest. Basketball shooting toy. 301,045, 5-9-89, Cl. D21-2.000.
- Wilson, John H.; Coffey, Kenneth W.; Smith, Toby E.; Richards, David; Mohd, Maqsood; and Cody, Lee, to Rich-Mar Corporation. Electrotherapy treatment cabinet. 299,747, 2-7-89, Cl. D24-40.000.
- Wilson, Jordan E. Combined trash containers and cart therefor. 299,578, 1-24-89, Cl. D34-25.000.
- Wilson, Joseph E. Digital directory. 299,339, 1-10-89, Cl. D14-241.000.
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- Wilson, Ronald M., to Spotless Plastics Pty. Ltd. Garment hanger. 301,943, 7-4-89, Cl. D6-326.000.
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- Wilson, William H.; and Gowing, Jim, to EBSCO industries, Inc. Fishing lure. 299,945, 2-21-89, Cl. D22-133.000.
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- Winter, Russell K.; Harvey, Thomas D.; Savas, Nedim; and Kam, Richard S., to Russell William, Ltd. Display shelf. 305,190, 12-26-89, Cl. D6-567.000.
- Winter, Steven D., to Magna International (Canada) Inc. Automobile. 304,914, 12-5-89, Cl. D12-91.000.
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- Winters, Arthur A., Jr. Kickboard for swimmers. 300,446, 3-28-89, Cl. D21-228.000.
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- Wodli, Marc. Power-driven milling machine. 301,718, 6-20-89, Cl. D15-131.000.

- Wodli, Marc. Power-driven band saw. 301,719, 6-20-89, Cl. D15-134.000.
- Wolcott, Herbert A.; and Feldman, Carol A. Collapsible vehicular tent. 299,817, 2-14-89, Cl. D12-156.000.
- Wolf, Gilbert A., to WHW Construction, Inc. Teaching tool. 302,566, 8-1-89, Cl. D19-59.000.
- Wolf, Mitchell E. Microphone holder. 305,026, 12-12-89, Cl. D14-229.000.
- Wolf, Stanton, to 1620 Group, Inc. Charm. 302,532, 8-1-89, Cl. D11-81.000.
- Wolfe, Henry S., to Frenry Company, The. Float. 301,910, 6-27-89, Cl. D21-237.000.
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- Wolfe, Henry S., to Frenry Company, Inc., The. Boat. 302,995, 8-22-89, Cl. D21-237.000.
- Wolfe, Henry S., to Frenry Company, Inc., The. Float. 302,996, 8-22-89, Cl. D21-237.000.
- Wolfe, Henry S., to Frenry Company, Inc., The. Pool float. 302,997, 8-22-89, Cl. D21-237.000.
- Wolfe, Henry S., to Frenry Company, Inc., The. Pool float. 302,998, 8-22-89, Cl. D21-237.000.
- Wolfe, Henry S., to Frenry Company, Inc., The. Float and the like. 304,751, 11-21-89, Cl. D21-237.000.
- Wolfe, Herbert, to Sultan Dental Products, Ltd. Dental impression tray. 302,463, 7-25-89, Cl. D24-10.000.
- Wolfenden, Anthony H., to Decor Corporation Proprietary Limited, The. Ashtray. 302,596, 8-1-89, Cl. D27-133.000.
- Wolfenden, Anthony H., to Decor Corporation Proprietary Limited, The. Paper napkin holder. 302,921, 8-22-89, Cl. D7-72.000.
- Wolfenden, Anthony H., to Decor Corporation Proprietary Limited, The. Covered jug. 303,904, 10-10-89, Cl. D7-317.000.
- Wolff, Joan P., to Rowoco Inc. Cutter for pie top dough. 303,474, 9-19-89, Cl. D7-43.000.
- Wolff, Joan P., to Rowoco Inc. Cutter for pie top dough. 303,475, 9-19-89, Cl. D7-43.000.
- Wolff, Joan P., to Rowoco Inc. Cutter for pie top dough. 304,403, 11-7-89, Cl. D7-43.000.
- Wolff, Martin J.; and Zimmerman, Larry G., to Dart Industries Inc. Food grater or the like. 303,476, 9-19-89, Cl. D7-47.000.
- Wolff, Martin J.; and Zimmerman, Larry G., to Dart Industries Inc. Cutting board or the like. 304,276, 10-31-89, Cl. D7-46.000.
- Wolff, Martin J.; and Zimmerman, Larry G., to Dart Industries Inc. Combined food cutting board and measuring cup or the like. 304,277, 10-31-89, Cl. D7-46.000.
- Wolff, Martin J.; and Zimmerman, Larry G., to Dart Industries Inc. Food grater frame or the like. 304,284, 10-31-89, Cl. D7-412.000.
- Wolff, Martin J.: *See—*
  - Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., 305,140, Cl. D21-159.000.
  - Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., 305,141, Cl. D21-163.000.
  - Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., 305,142, Cl. D21-164.000.
  - Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., 305,251, Cl. D21-148.000.
  - Bateman, Robert F.; Newton, Brian L.; Wolff, Martin J.; Nottingham, John R.; and Spirk, John W., 305,254, Cl. D21-162.000.
- Wolff, Stephen H. Combined pen/pencil and memo pad holder. 299,476, 1-17-89, Cl. D19-78.000.
- Wolff, Stephen H. Modular dispenser tray. 300,994, 5-9-89, Cl. D6-408.000.
- Wolff, Stephen H. Wall clip. 302,653, 8-8-89, Cl. D8-395.000.
- Wolff, William F., Jr., to Automated Shipping Machines, Inc. Shipping center kiosk. 302,798, 8-15-89, Cl. D10-91.000.
- Wong, Allen; and Goodwin, Ross P., to Motorola, Inc. Shroud for electrical connectors. 303,656, 9-26-89, Cl. D13-24.000.
- Wong, Fu K., to Motor Electric Manufacturing Co., Ltd. Nail dryer. 299,559, 1-24-89, Cl. D28-58.000.
- Wong, Johnson N. S.; and Watanabe, Gary, to Evergreen Industries, Inc. Sputum collector. 302,470, 7-25-89, Cl. D24-56.000.
- Wong, Pui W.: *See—*
  - Li, Wan L.; and Wong, Pui W., 301,348, Cl. D21-120.000.
- Wong, Robert, to Joseph Leeb Enterprises. Calculator. 300,539, 4-4-89 Cl. D18-7.000.
- Wong, Siu-Yin: *See—*
  - Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,859, Cl. D24-17.000.
  - Fan, Eugene; Chen, Fon-Chiu M.; and Wong, Siu-Yin, 299,860, Cl. D24-17.000.
- Wong, Yam K. Toy gun. 303,820, 10-3-89, Cl. D21-147.000.
- Wong, Yan K., to Dorlop Industrial Limited. Electrically-operated, hand-held can opener. 301,828, 6-27-89, Cl. D8-36.000.
- Wood, Charles F. Arm rest engagable mounting bracket for wheelchairs or the like. 305,219, 12-26-89, Cl. D12-133.000.
- Wood, Forrest L.; Jensen, Dale H.; Poley, Kenneth P.; Hopper, Randy W.; and Hoover, Charles C., to Wood Manufacturing Company, Inc. Boat. 301,453, 6-6-89, Cl. D12-314.000.
- Wood, Ian: *See—*
  - Arnold, Allan P.; Manoy, Russell; Wood, Ian; Greaves, Henry; Goode, Nigel; and Hughes, Stephen, 302,723, Cl. D24-9.000.
- Wood Manufacturing Company, Inc.: *See—*
  - Wood, Forrest L.; Jensen, Dale H.; Poley, Kenneth P.; Hopper, Randy W.; and Hoover, Charles C., 301,453, Cl. D12-314.000.
- Wood, Nelson. Sombrero ring. 299,489, 1-24-89, Cl. D11-30.000.
- Wood, Nelson. Ring of candy or similar article. 301,559, 6-13-89, Cl. D11-2.000.
- Wood, Nelson. Combined mexican jumping bean tumbler and finger ring. 304,912, 12-5-89, Cl. D11-26.000.
- Wood, Noel S. D., to Sebel Furniture Ltd. Chair. 299,890, 2-21-89, Cl. D6-380.000.
- Wood, Robert B., Jr. Windsurfer. 301,226, 5-23-89, Cl. D12-304.000.
- Woodhall, Michael B.: *See—*
  - Jennings, Mark F.; Woodhall, Michael B.; and Gander, Terence W., 303,060, Cl. D7-309.000.
- Woodman, Kathleen C.; and Merino, Dennis, to Dentolife, Inc. Dental floss container. 300,961, 5-2-89, Cl. D28-64.000.
- Woodrow, John A., to Chip Clip Canada Inc. Microwave plate cover. 302,367, 7-25-89, Cl. D7-40.000.
- Woods, David B. Skateboard. 302,576, 8-1-89, Cl. D21-227.000.
- Woodson, Joanne H. Doll figure. 303,822, 10-3-89, Cl. D21-171.000.
- Woodstream Corporation: *See—*
  - Landell, Harper; and Warren, Donald W., 300,163, Cl. D22-119.000.
- Woomer, Benjamin E. Wristwatch. 302,131, 7-11-89, Cl. D10-39.000.
- Woomer, Benjamin E. Wristwatch. 302,132, 7-11-89, Cl. D10-39.000.
- Woomer, Benjamin E. Wristwatch. 302,133, 7-11-89, Cl. D10-39.000.
- Woomer, Benjamin E. Wristwatch. 302,134, 7-11-89, Cl. D10-39.000.
- Woomer, Benjamin E. Wristwatch. 303,770, 10-3-89, Cl. D10-39.000.
- World Dryer Division of Specialty Equipment Companies, Inc.: *See—*
  - Mango, Joseph R., 302,870, Cl. D28-54.100.
  - Mango, Joseph R., 304,101, Cl. D28-54.100.
- Worrell, Howard H., Jr.: *See—*
  - Darby, Louis F., Pavan, Daniel; and Worrell, Howard H., Jr., 303,194, Cl. D7-3.000.
- Worth, Charles C., to Charles C. Worth Corporation. Handle for a fishing rod. 300,552, 4-4-89, Cl. D22-142.000.
- Worth, Ronald K.: *See—*
  - Goodner, Douglas E.; Iorio, David V.; Pangburn, Thomas E.; Stoyer, Roy D.; and Worth, Ronald K., 305,244, Cl. D18-18.000.
- Worthington Trust, The: *See—*
  - Wirth, Steven E., 299,301, Cl. D7-68.000.
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  - Yajima, Kazuo, 301,902, Cl. D21-156.000.
- Wright-Brady, Patti; and Callison, Cary D. Coverguard for protecting the exterior of an automobile body. 299,637, 1-31-89, Cl. D12-190.000.
- Wright-Brady, Patti. Novelty baby bootie or similar article. 301,180, 5-23-89, Cl. D2-279.000.
- Wright, Forrest S., to Binagraphics, Inc. Pocket computer. 302,549, 8-1-89, Cl. D14-100.000.
- Wright, Hank. Diaper box. 302,121, 7-11-89, Cl. D9-418.000.
- Wright, James E. Automobile steering column lock. 304,290, 10-31-89, Cl. D8-330.000.
- Wright, James R., to Magnum Diamond & Machinery, Inc. Speed control handle for a pavement saw. 301,479, 6-6-89, Cl. D15-142.000.
- Wright, Jeffrey; and Hvizdak, Judith L. Display stand. 304,397, 11-7-89, Cl. D6-454.000.
- Wright Line, Inc.: *See—*
  - Hedstrom, Norman A., 299,394, Cl. D6-510.000.
- Wright, Paul O.: *See—*
  - Jaros, Philip; and Wright, Paul O., 305,170, Cl. D32-54.000.
- Wright, Robert L., to Creative Athletic Products and Services, Inc. Batting cage. 304,240, 10-24-89, Cl. D25-1.000.
- Wright, Robert L., to Creative Athletic Products and Services, Inc. Baseball pitching practice platform. 304,359, 10-31-89, Cl. D21-199.000.
- Wright, Thomas C.; and Nippoldt, Robert H., to Empi, Inc. Continuous passive motion system control unit. 300,357, 3-21-89, Cl. D24-7.000.
- Wright, Willard D. Combined whistle, key holder, and striking weapon. 301,513, 6-6-89, Cl. D22-117.000.
- Wrigley, Andrew N., to Illinois Tool Works Inc. Mating clip for electric fence wire or the like. 301,545, 6-13-89, Cl. D8-382.000.
- Wu, Hong-Ho. Steam iron or similar article. 300,971, 5-2-89, Cl. D32-70.000.
- Wu, Richard. Telephone set. 300,628, 4-11-89, Cl. D14-151.000.
- Wucherpfennig, Frederick D.: *See—*
  - Carlson, Robert B.; and Wucherpfennig, Frederick D., 303,696, Cl. D21-195.000.
- Wucherpfenning, Fredrick D.: *See—*
  - Carlson, Robert B.; and Wucherpfenning, Fredrick D., 304,058, Cl. D21-195.000.
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  - Danielson, David C.; Hartmann, James J.; McGarvey, John N.; Tilley, Alvin R.; and Wuerz, John M., 304,587, Cl. D14-244.000.
- Wyant, Bryan C. Taco holder. 304,664, 11-21-89, Cl. D7-76.000.
- Wyatt, Michael E. Fisherman's tackle hat. 300,080, 3-7-89, Cl. D2-246.000.
- Wyzgala, Mark; and Morizio, Thomas E., to Baxter International Inc. Winged angular infusion needle. 301,742, 6-20-89, Cl. D24-52.000.
- Xantech Corporation: *See—*
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- Xomed Inc.: *See—*
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- Yabushita, Mieko; and Weiland, Herbert C., to Tomy Kogyo Co., Ltd. Toy sketching device. 300,937, 5-2-89, Cl. D21-59.000.
- Yachabach, Gerald J., to Protel, Inc. Housing for a key pad, carrier select and credit card bezel for coin telephones. 299,341, 1-10-89, Cl. D14-247.000.
- Yacovella, Thomas R., to Duxbak, Inc. Camouflage fabric. 299,793, 2-14-89, Cl. D5-62.000.
- Yahav, Shimon: *See—*
  - Daar, Yair; and Yahav, Shimon, 301,738, Cl. D24-26.000.

- Yajima, Kazuo, to Wow! Company, Inc., The. Plush toy animal figure. 301,902, 6-27-89, Cl. D21-156.000.
- Yajima, Takeo: *See—*
  - Nasui, Sadao; and Yajima, Takeo, 299,526, Cl. D23-338.000.
- Yajima, Yasuko: *See—*
  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 300,029, Cl. D14-241.000.
  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 303,801, Cl. D14-241.000.
  - Kido, Shigeaki; Isozaki, Sadao; and Yajima, Yasuko, 304,564, Cl. D14-151.000.
- Yakubovich, Lev: *See—*
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- Yamada, Hiromichi; and Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 301,959, 7-4-89, Cl. D7-351.000.
- Yamada, Junsaku: *See—*
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- Yamada, Makoto: *See—*
  - Sakuma, Kiyoshi; Tanimura, Yoshiaki; Umemura, Hiroyuki; Yamada, Makoto; Tsukamoto, Ikuo; Seshimo, Yu; and Fujii, Masao, 300,240, Cl. D23-314.000.
- Yamada, Masahiko: *See—*
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  - Weissberg, Gary S.; Kwang, David; and Yamada, Masahiko, 302,695, Cl. D14-222.000.
- Yamada, Munemitsu, to Sumitomo Rubber Industries, Ltd. Automobile tire. 304,559, 11-14-89, Cl. D12-146.000.
- Yamada, Toshiro; and Nakade, Kenichi, to Ricoh Company, Ltd. Whiteboard and photocopier. 300,149, 3-7-89, Cl. D19-52.000.
- Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, to Honda Giken Kogyo Kabushiki Kaisha. Shell for a combined dummy fuel tank and side cover unit for a motorcycle. 300,418, 3-28-89, Cl. D12-114.000.
- Yamada, Toshiyuki; Kitagawa, Makoto; and Kurihara, Toshio, to Honda Giken Kogyo Kabushiki Kaisha. Shell of a motorcycle rear carrier unit. 300,427, 3-28-89, Cl. D12-158.000.
- Yamada, Yoshihiro: *See—*
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- Yamagami, Masafumi; Nishida, Koji; and Matoba, Keiko, to Sharp Corporation. Hair drier. 299,874, 2-14-89, Cl. D28-13.000.
- Yamagishi, Masami, to Kai Cutlery Co., Ltd. Handle for cooking knife. 303,748, 10-3-89, Cl. D7-152.000.
- Yamagiwa, Kazuhiko; and Nakamoto, Sakae, to Matsushita Electric Industrial Co., Ltd. Scanner for a computer. 303,660, 9-26-89, Cl. D14-107.000.
- Yamaguchi, Isao, to Heiwa Seiki Kogyo Kabushiki Kaisha. Tripod pan head and handle. 303,269, 9-5-89, Cl. D16-245.000.
- Yamaguchi, Kazuhiro; and Fujimoto, Hiroji, to Satori Switch Industry Co., Ltd. Trigger actuated switch. 301,871, 6-27-89, Cl. D13-32.000.
- Yamaguchi, Kazuyuki: *See—*
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- Yamaguchi, Kiminori: *See—*
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- Yamaguchi, Kiyoshi. Combined container closure and spoon. 302,793, 8-15-89, Cl. D9-436.000.
- Yamakawa, Kunio, to Kanda Tsushin Kogyo Co., Ltd. Telephone set. 303,798, 10-3-89, Cl. D14-151.000.
- Yamamoto, Masato, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera lens. 303,268, 9-5-89, Cl. D16-134.000.
- Yamamoto, Masato, to Asahi Kogaku Kogyo Kabushiki Kaisha. Camera lens. 304,594, 11-14-89, Cl. D16-134.000.
- Yamamoto, Masato, to Asahi Kogaku Kogyo Kabushiki Kaisha. Single-lens reflex camera body. 304,838, 11-28-89, Cl. D16-217.000.
- Yamamoto, Mitsuru: *See—*
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- Yamamoto, Sachio; and Kuriya, Chikashi, to Sharp Corporation. Vacuum cleaner. 300,379, 3-21-89, Cl. D32-18.000.
- Yamamoto, Sachio; and Kuriya, Chikashi, to Sharp Corporation. Vacuum cleaner. 301,646, 6-13-89, Cl. D32-18.000.
- Yamamoto, Sachio; and Kuriya, Chikashi, to Sharp Corporation. Vacuum cleaner. 301,649, 6-13-89, Cl. D32-22.000.
- Yamamoto, Sachio; Kuriya, Chikashi; and Nakajima, Mika, to Sharp Corporation. Portable vacuum cleaner. 303,025, 8-22-89, Cl. D32-18.000.
- Yamamoto, Shinji; and Nomura, Masashi, to Matsushita Electric Works, Ltd. Combined electric shaver and blade cover therefor. 304,865, 11-28-89, Cl. D28-49.000.
- Yamamoto, Soji: *See—*
  - Takahashi, Manabu; Uchino, Fumio; Nakamura, Yuzo; Tateoka, Hitoshi; Satoh, Yasushi; Karaki, Koichi; Ohno, Masahiro; Yamamoto, Soji; Ishibashi, Jun-ichi; Nakasato, Kanae; and Fujii, Kiyoshi, 303,267, Cl. D16-131.000.
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- Yamanaka, Kichinosuke, to Kabushiki Kaisha Bandai, Ltd. Folding container. 304,295, 10-31-89, Cl. D9-341.000.
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- Yamasaki, Yoshikiyo, to Kabushiki Kaisha Fuji Iryoki. Adjustable lounge seat. 300,695, 4-18-89, Cl. D6-361.000.
- Yamase, Shinichi; Tsujui, Hiroaki; and Aoyama, Yoshihiko, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 299,708, 2-7-89, Cl. D12-110.000.
- Yamase, Shinichi; Tsukui, Hiroaki; and Aoyama, Yoshihiko, to Honda Giken Kogyo Kabushiki Kaisha. Motorcycle. 300,211, 3-14-89, Cl. D12-110.000.
- Yamashita, Kyoichi: *See—*
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- Yamashita, Taichiro: *See—*
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- Yamashita, Yukio, to Masco Building Products Corp. Key for door locks. 301,302, 5-30-89, Cl. D8-347.000.
- Yamato Scientific Co., Ltd.: *See—*
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- Yamazaki, Hiroyoshi: *See—*
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- Yamazaki, Hiroyuki; Yoshino, Yutaka; and Gotoh, Makoto, to Anritsu Corporation. Wall mount, coin-operated, public telephone. 301,036, 5-9-89, Cl. D14-146.000.
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- Yamazaki, Takashi, to Johoku Kogyo Kabushiki Kaisha. Combined tape dispenser and cutter blade. 300,230, 3-14-89, Cl. D19-69.000.
- Yang, Doo S., to Gold Star Co., Ltd. Video cassette recorder. 299,452, 1-17-89, Cl. D14-135.000.
- Yang, Doo S., to Gold Star Co., Ltd. Video cassette recorder. 301,881, 6-27-89, Cl. D14-135.000.
- Yang, Fu H. Golf cart. 304,110, 10-17-89, Cl. D34-15.000.
- Yankoff, Gerald K., to Ulticon Systems, Inc. Housing for a pumping and filtering unit. 301,478, 6-6-89, Cl. D15-7.000.
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- Yasuda, Ryosuke, to Descente, Ltd. Pants for sports. 300,383, 3-28-89, Cl. D2-28.000.
- Yasuda, Ryosuke, to Descente, Ltd. Pants for sports. 300,384, 3-28-89, Cl. D2-29.000.
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- Yasumune, Masaru; and Yamada, Junsaku, to Furukawa Mfg. Co., Ltd. and ECS Corporation. Vacuum packaging machine. 300,144, 3-7-89, Cl. D15-146.000.
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- Yates, Mark. Physical exerciser. 300,157, 3-7-89, Cl. D21-191.000.
- Yates, Mark. Adjustable support bracket for pitched roof-mounted exterior light or similar article. 303,018, 8-22-89, Cl. D26-140.000.
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- Yeatts, Ralph E.; and Mosley, Bobbie L. Pumping unit for oil wells or the like. 303,263, 9-5-89, Cl. D15-7.000.
- Yehuda, Yehuda. Rearview mirror. 303,947, 10-10-89, Cl. D12-187.000.
- Yeranossian, Karl, to Revlon, Inc. Display stand. 303,884, 10-10-89, Cl. D6-455.000.
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  - Kates, Fred W.; and Yeranossian, Karl, 303,880, Cl. D6-408.000.
- Yeung, Miu C. Combined stand and handset telephone. 299,231, 1-3-89, Cl. D14-143.000.
- Yi, Han Ung, to Starlight Industries, Inc. Easel hinge. 304,802, 11-28-89, Cl. D8-328.000.

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- Yomo, Takashi, to Canon Kabushiki Kaisha. Paper feeder cassette. 299,929, 2-21-89, Cl. D18-44.000.
- Yon, Jac H.; and Nemeth, Brad, to Wendell R. Brooks, Inc. Computer paper tray. 305,035, 12-12-89, Cl. D18-22.000.
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- Yoneda, Yoshihide, to Maruzen Sewing Machine Co., Ltd. Sewing machine. 300,543, 4-4-89, Cl. D15-70.000.
- Yonesawa, Kazuyoshi; and Iwai, Yonosuke, to Matsushita Electric Works, Ltd. Motor-driven screw driver. 301,496, 6-6-89, Cl. D8-68.000.
- Yonesawa, Kazuyoshi; Ichikawa, Kuniharu; and Mochida, Taro, to Matsushita Electric Works, Ltd. Electric massager. 301,617, 6-13-89, Cl. D24-41.000.
- Yonesawa, Kazuyoshi, to Matsushita Electric Works, Ltd. Electric hair clipper. 304,627, 11-14-89, Cl. D28-53.000.
- Yonesawa, Kazuyoshi; Iwai, Yonosuke; and Seiffert, Florian, to Matsushita Electric Works, Ltd. Electric shaver. 304,774, 11-21-89, Cl. D28-49.000.
- Yonesawa, Kazuyoshi: *See—*
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- Yonetsu, Katsumi: *See—*
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- Yonezawa, Kazuyoshi; and Seiffert, Florian, to Matsushita Electric Works, Ltd. Electric shaver. 304,866, 11-28-89, Cl. D28-49.000.
- Yoo, Byung K. Water pump. 299,720, 2-7-89, Cl. D15-7.000.
- Yoo, Seung H., to Gold Star Co., Ltd. Microwave oven. 304,411, 11-7-89, Cl. D7-351.000.
- Yoo, Seung H., to Gold Star Co., Ltd. Microwave oven. 304,542, 11-14-89, Cl. D7-351.000.
- Yoo, Seung H., to Gold Star Co., Ltd. Microwave oven. 304,662, 11-21-89, Cl. D7-351.000.
- Yoo, Seung H., to Gold Star Co., Ltd. Microwave oven. 304,800, 11-28-89, Cl. D7-351.000.
- York, Henry A. Soccer training goal. 302,991, 8-22-89, Cl. D21-200.000.
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- Yoshiaki, Ueda; and Kazunori, Mano, to Matsushita Electric Industrial Co., Ltd. Automatic coffee maker. 303,903, 10-10-89, Cl. D7-309.000.
- Yoshida, Kazuo, to Oki Electric Industry Co., Ltd. Printer. 301,483, 6-6-89, Cl. D18-13.000.
- Yoshida, Kazuo, to Oki Electric Industry Co., Ltd. Printer. 301,484, 6-6-89, Cl. D18-13.000.
- Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 299,306, 1-10-89, Cl. D7-351.000.
- Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 301,006, 5-9-89, Cl. D7-351.000.
- Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 302,373, 7-25-89, Cl. D7-351.000.
- Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 302,374, 7-25-89, Cl. D7-351.000.
- Yoshida, Kenzo, to Sharp Corporation. Microwave oven. 302,927, 8-22-89, Cl. D7-351.000.
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- Yoshida, Takashi, to Heiwado Trading Company, Ltd. Jewelry pendant or similar article. 301,845, 6-27-89, Cl. D11-79.000.
- Yoshida, Takashi, to Heiwado Trading Company, Ltd. Jewelry pendant or similar article. 303,508, 9-19-89, Cl. D11-79.000.
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- Yoshiharu, Takei, to Tasca International Ltd. Telephone handset. 300,741, 4-18-89, Cl. D14-248.000.
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- Yoshiharu, Takei, to Tasca International Ltd. Handset telephone. 301,232, 5-23-89, Cl. D14-143.000.
- Yoshiharu, Takei, to Tasca International Ltd. Telephone handset. 301,464, 6-6-89, Cl. D14-248.000.
- Yoshiharu, Takei, to Tasca International Ltd. Telephone base unit. 302,011, 7-4-89, Cl. D14-142.000.
- Yoshiharu, Takei, to Tasca International Ltd. Telephone handset. 302,155, 7-11-89, Cl. D14-143.000.
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- Yoshikawa, Toshimichi, to Kabushiki Kaisha Yoshikawa Kuni Kogyosho. Dust basket. 301,787, 6-20-89, Cl. D34-1.000.
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- Yoshikawa, Toshimichi, to Kabushiki Kaisha Yoshikawa Kuni Kogyosho. Basket. 305,174, 12-19-89, Cl. D34-40.000.
- Yoshikawa, Toshimichi, to Kabushiki Kaisha Yoshikawa Kuni Kogyosho. Basket. 305,271, 12-26-89, Cl. D34-40.000.
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- Yost, Holly K., to Price Pfister, Inc. Drain control knob. 304,971, 12-5-89, Cl. D23-250.000.
- Yother, Stephen A.; Alsup, J. Douglas; and Watson, James B., to Ryobi Motor Products Corp. Belt sander. 303,206, 9-5-89, Cl. D8-62.000.
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- Young, Donald H., to Bob's Candies, Inc. Package for candy canes. 304,804, 11-28-89, Cl. D9-341.000.
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- Yu, Jackson, to W. & Y. Taiwan Co., Ltd. Combined digital watch and lighter. 303,721, 9-26-89, Cl. D27-145.000.
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- Anderson, Neil O.; Ascher, Peter D.; and Widmer, Richard E., to University of Minnesota, Regents of the. Chrysanthemum plant-day Neutral. 6,884, 6-27-89, Cl. 77.000.
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- Apgar, Paul; and Apgar, Lindi. Ivy plant. 6,630, 2-28-89, Cl. 67.000.
- Arakawa, Hiroshi, to Sakata Seed America, Inc. Clematis plant named Hakuba. 6,691, 3-21-89, Cl. 68.000.
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- Arthur Ross Foundation, Inc.: *See—*
  - Karnosky, David F., 6,983, Cl. 51.000.
- Ascher, Peter D.: *See—*
  - Anderson, Neil O.; Ascher, Peter D.; and Widmer, Richard E., 6,884, Cl. 77.000.
- Asjes, Evert, Jr. Pyramidal English oak named Asjes *Quercus robur*. 6,539, 1-17-89, Cl. 51.000.
- Bailey Nurseries, Inc.: *See—*
  - Landsburg, Roger B., 6,977, Cl. 51.000.
- Ball Pan Am Plant Co.: *See—*
  - Hesse, Peter S., 6,551, Cl. 78.000.
  - Hesse, Peter S., 6,552, Cl. 76.000.
  - Hesse, Peter S., 6,562, Cl. 76.000.
  - Hesse, Peter S., 6,563, Cl. 74.000.
  - Jordan, Christine; and Satory, Marie, 6,589, Cl. 78.000.
  - Schnizer, William O., 6,565, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,530, Cl. 78.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,531, Cl. 74.000.
  - Sueptitz, Dieter, 6,590, Cl. 74.000.
  - Sueptitz, Dieter, 6,591, Cl. 74.000.
- Ball Seed Company: *See—*
  - Hesse, Peter S., 6,775, Cl. 77.000.
  - Hesse, Peter S., 6,776, Cl. 79.000.
  - Hesse, Peter S., 6,777, Cl. 74.000.
  - Hesse, Peter S., 6,834, Cl. 74.000.
  - Hesse, Peter S., 6,835, Cl. 74.000.
  - Hesse, Peter S., 6,836, Cl. 74.000.
  - Hesse, Peter S., 6,838, Cl. 76.000.
  - Hesse, Peter S., 6,840, Cl. 77.000.
  - Hesse, Peter S., 6,935, Cl. 74.000.
  - Hesse, Peter S., 6,936, Cl. 74.000.
  - Jordan, Christine; and Satory, Marie, 6,680, Cl. 77.000.
  - Shoesmith, Leonard H.; and Hesse, Peter S., 6,778, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,837, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,839, Cl. 77.000.
  - Sueptitz, Dieter, 6,879, Cl. 74.000.
  - Sueptitz, Dieter, 7,042, Cl. 74.000.
- Barberet-Maiolino, Nicole; and Blanc, Henri, to Establissements Barberat et Blanc, Laboratoire de Physiologie Vegetale. Spray carnation named Lonbankir. 7,047, 10-17-89, Cl. 71.000.
- Barberet-Maiolino, Nicole; and Blanc, Henri, to Establissements: Barberet et Blanc Laboratoire de Physiologie Vegetale. Spray carnation named Londuci. 7,048, 10-17-89, Cl. 73.000.
- Barberet, Nicole; and Ducloux, Yves, to Laboratoire de Physiologie Vegetale de la Londe. Carnation variety 'Londragel'. 6,571, 1-31-89, Cl. 70.000.
- Barberet, Nicole; and Ducloux, Yves, to Laboratoire de Physiologie Vegetale de la Londe. Carnation named Lontoyo. 6,710, 4-4-89, Cl. 70.000.
- Barberet, Nicole; and Ducloux, Yves, to Laboratoire de Physiologie Vegetale de la Londe. Carnation named Lonterey. 6,711, 4-4-89, Cl. 71.000.
- Barcelo Plant Growers, Inc.: *See—*
  - Melgoza, Rafael, 6,825, Cl. 68.000.
- Barco, Arthur: *See—*
  - Drewlow, Lyndon W.; and Barco, Arthur, 7,004, Cl. 68.000.
- Barr, William C., to Weyerhaeuser Company. *Nerium oleander* 'Hines Hardy'. 6,616, 2-21-89, Cl. 54.000.
- Bear Creek Gardens: *See—*
  - Christensen, Jack E., 6,796, Cl. 14.000.
- Bear Creek Gardens, Inc.: *See—*
  - Carruth, Thomas F., and Christensen, Jack E., 6,910, Cl. 21.000.
  - Christensen, Jack E.; and Carruth, Thomas F., 6,714, Cl. 14.000.
  - Christensen, Jack E., 6,758, Cl. 11.000.
  - Christensen, Jack E.; and Carruth, Thomas F., 6,812, Cl. 11.000.
  - Christensen, Jack E., 6,813, Cl. 20.000.
  - Christensen, Jack E., 6,823, Cl. 22.000.
  - McGredy, Samuel, IV, 6,713, Cl. 26.000.
  - Moore, Ralph S., 6,548, Cl. 2.000.
- Benardella, Frank A., to Nor'East Miniature Roses, Inc. Rose plant named Benaros. 6,508, 1-3-89, Cl. 7.000.
- Benardella, Frank A., to Nor'East Miniature Roses, Inc. Rose plant named Benalay. 6,517, 1-10-89, Cl. 7.000.
- Benardella, Frank A., to Nor'East Miniature Roses, Inc. Rose plant named Benday. 6,568, 1-31-89, Cl. 9.000.
- Benardella, Frank A., to Nor'East Miniature Roses, Inc. Rose plant named Benrad. 6,569, 1-31-89, Cl. 10.000.
- Benardella, Frank A., to Walter, John C. Miniature rose plant named Gee Gee. 6,783, 5-9-89, Cl. 8.000.
- Bennett, Cecilia L. D., to O'Brien, Susan M. Miniature rose plant, named 'Herbie'. 6,787, 5-9-89, Cl. 9.000.
- Bennett, Cecilia L. D., to O'Brien, Susan Mae. Miniature rose plant, named 'Sweet Pickings'. 6,788, 5-9-89, Cl. 9.000.
- Bennett, Cecilia L. D., to O'Brien, Susan Mae. Miniature rose plant, named 'Brian Lee'. 6,789, 5-9-89, Cl. 9.000.
- Bennett, Cecilia L. D., to O'Brien, Susan Mae. Miniature rose plant named 'Hat Pin'. 6,790, 5-9-89, Cl. 7.000.
- Bers David H., to First Congregational Church of Bloomfield, The. Rose plant named Wintonbury Parish. 6,843, 6-13-89, Cl. 7.000.
- Bessho, Hideo: *See—*
  - Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
- Blanc, Henri: *See—*
  - Barberet-Maiolino, Nicole; and Blanc, Henri, 7,047, Cl. 71.000.
  - Barberet-Maiolino, Nicole; and Blanc, Henri, 7,048, Cl. 73.000.
- Bonds, Irwin H. Almond tree, "Lodi". 7,068, 12-12-89, Cl. 30.000.
- Bradford, Lowell G.: *See—*
  - Bradford, Norman G.; and Bradford, Lowell G., 6,675, Cl. 41.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,011, Cl. 38.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,049, Cl. 41.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,050, Cl. 41.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,064, Cl. 41.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,066, Cl. 43.000.
  - Bradford, Norman G.; and Bradford, Lowell G., 7,070, Cl. 43.000.
- Bradford, Norman G.; and Bradford, Lowell G. Nectarine tree (Sparkling May). 6,675, 3-14-89, Cl. 41.000.
- Bradford, Norman G. Nectarine tree (Sparkling June). 6,981, 8-15-89, Cl. 41.000.
- Bradford, Norman G. Dwarf Nectarine Tree (Red Sunset). 6,982, 8-15-89, Cl. 41.000.
- Bradford, Norman G.; and Bradford, Lowell G. Plum-apricot hybrid tree (Red Velvet Plum-Cot). 7,011, 9-5-89, Cl. 38.000.
- Bradford, Norman G.; and Bradford, Lowell G. Nectarine tree (Summer Bright). 7,049, 10-24-89, Cl. 41.000.
- Bradford, Norman G.; and Bradford, Lowell G. Nectarine tree (Diamond Jewel). 7,050, 10-24-89, Cl. 41.000.
- Bradford, Norman G.; and Bradford, Lowell G. Nectarine tree (Fire Diamond). 7,064, 12-5-89, Cl. 41.000.
- Bradford, Norman G.; and Bradford, Lowell G. Peach tree (Diamond Princess). 7,066, 12-5-89, Cl. 43.000.
- Bradford, Norman G.; and Bradford, Lowell G. Peach tree (Crown Princess). 7,070, 12-12-89, Cl. 43.000.
- Bringhurst, Royce S.; and Voth, Victor, to University of California, The Regents of the. Strawberry plant called 'Muir'. 6,558, 1-24-89, Cl. 49.000.
- Bringhurst, Royce S.; and Voth, Victor, to University of California, Regents of the. Strawberry plant called 'Mrak'. 6,579, 1-31-89, Cl. 49.000.
- Bringhurst, Royce S.; and Voth, Victor, to University of California, Regents of the. Strawberry plant. 6,580, 1-31-89, Cl. 49.000.
- Bringhurst, Royce S.: *See—*
  - Voth, Victor; and Bringhurst, Royce S., 6,578, Cl. 48.000.
- Brown, B. Frank, to Weyerhaeuser Company. Aglaonema 'Queen of Siam'. 6,842, 6-6-89, Cl. 88.000.
- Brown, B. Frank, to Weyerhaeuser Company. Aglaonema 'BJ Freeman'. 6,857, 6-13-89, Cl. 88.000.
- Browne, Kermit C. *Dracaena deremensis* named Kerry. 6,690, 3-21-89, Cl. 88.000.
- Buksa, John A., to Dan Tudor & Sons. Grapevine, "Tudor Premium Red". 6,760, 4-25-89, Cl. 47.000.
- Bullis, Harvey R., Jr. Bromeliaceae plant. 6,979, 8-8-89, Cl. 88.000.
- Burks, Joe. Rose plant named Buryellow. 6,509, 1-3-89, Cl. 3.000.
- Burks, Larry J.: *See—*
  - Winchel, Joseph, 7,052, Cl. 21.000.
- Butts, Merle R. Plum tree, "Majestic M". 6,975, 8-8-89, Cl. 38.000.
- California Plant Company: *See—*
  - van Wingerden, Jerry, 6,512, Cl. 76.000.
  - Van Wingerden, Rene, 6,754, Cl. 74.000.
  - Van Wingerden, Rene, 6,851, Cl. 74.000.
- Carlton Rose Nurseries, Inc.: *See—*
  - Strahle, Robert, 6,896, Cl. 20.000.
- Carruth, Thomas F.; and Christensen, Jack E., to Armstrong Roses. Floribunda rose plant cv. Aroresas. 6,670, 3-14-89, Cl. 29.000.
- Carruth, Thomas F.; and Christensen, Jack E., to Bear Creek Gardens, Inc. Hybrid tea rose plant cv. Aroreroy. 6,910, 7-11-89, Cl. 21.000.
- Carruth, Thomas F.: *See—*
  - Christensen, Jack E.; and Carruth, Thomas F., 6,714, Cl. 14.000.
  - Christensen, Jack E.; and Carruth, Thomas F., 6,812, Cl. 11.000.
- Central Park Conservatory: *See—*
  - Karnosky, David F., 6,983, Cl. 51.000.
- Chaffin, Lauren M. Miniature rose plant 'Honey Bear'. 6,844, 6-13-89, Cl. 7.000.
- Chakerian, Jonathan P. Plum tree, "Sweet Delight". 6,824, 5-30-89, Cl. 38.000.
- Chamberlin, Thomas O., Sr., to Metzler Investments; and Metropolitan Life Insurance Company. Plum tree, "Del Rey Sun". 6,991, 8-22-89, Cl. 38.000.
- Chamberlin, Thomas O., Sr., to Metzler Investments; and Metropolitan Life Insurance Company. Peach tree "May Sun". 6,992, 8-22-89, Cl. 43.000.
- Chamberlin, Thomas O., Sr., to Metzler Investments; and Metropolitan Life Insurance Company. Nectarine tree, Harvest Sun. 7,012, 9-5-89, Cl. 41.000.
- Chas. Klehm & Son: *See—*
  - Fiala, John L., 6,956, Cl. 34.000.
  - Fiala, John L., 6,957, Cl. 34.000.
  - Fiala, John L., 6,958, Cl. 34.000.
  - Fiala, John L., 6,974, Cl. 34.000.
  - Fiala, John L., 7,022, Cl. 34.000.
- Chiba, Tsutomu: *See—*
  - Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
- Christensen, Jack E.; and Carruth, Thomas F., to Bear Creek Gardens, Inc. Hybrid tea rose plant cv. Arobipy. 6,714, 4-4-89, Cl. 14.000.
- Christensen, Jack E., to Bear Creek Gardens, Inc. Hybrid Tea Rose plant cv. Arotigy. 6,758, 4-25-89, Cl. 11.000.
- Christensen, Jack E., to Bear Creek Gardens. Hybrid tea rose plant cv. Arokish. 6,796, 5-9-89, Cl. 14.000.
- Christensen, Jack E.; and Carruth, Thomas F., to Bear Creek Gardens, Inc. Hybrid tea rose cv. Aropoiz. 6,812, 5-23-89, Cl. 11.000.
- Christensen, Jack E., to Bear Creek Gardens, Inc. Hybrid tea rose plant cv. Arocore. 6,813, 5-23-89, Cl. 20.000.
- Christensen, Jack E., to Bear Creek Gardens, Inc. Floribunda rose plant cv. Arocruby. 6,823, 5-30-89, Cl. 22.000.
- Christensen, Jack E., to Armstrong Garden Centers, Inc. Hybrid tea rose plant cv. Arogrewod. 6,861, 6-20-89, Cl. 11.000.
- Christensen, Jack E.: *See—*
  - Carruth, Thomas F.; and Christensen, Jack E., 6,670, Cl. 29.000.
  - Carruth, Thomas F.; and Christensen, Jack E., 6,910, Cl. 21.000.
- Chrysanthemum Breeders Association, N.V.: *See—*
  - Yamate, Yoshihiko, 6,826, Cl. 74.000.
- Chrysantheum Breeders Association NV: *See—*
  - van der Jagt, Martinus, 6,545, Cl. 74.000.
- Clendining, Ed, to Adams County Nursery Inc. Peach tree. 6,827, 6-6-89, Cl. 43.000.
- Co-Operative Rose Growers, Inc.: *See—*
  - Perry, Anthony, 6,781, Cl. 14.000.
  - Perry, Anthony, 6,863, Cl. 12.000.
  - Winchel, Joe, 6,705, Cl. 11.000.
- Coffey, Michael D.; and Guillemet, Fred B., to University of California, The Regents of the. Avocado tree called Barr Duke. 6,627, 2-21-89, Cl. 44.000.
- Coffey, Michael D.; and Guillemet, Fred B., to Reagents of the University of California, The. Avocado tree called Thomas. 6,628, 2-21-89, Cl. 44.000.
- Colorado State University Research Foundation: *See—*
  - Goldsberry, Kenneth L., 6,553, Cl. 71.000.
  - Goldsberry, Kenneth L., 6,554, Cl. 73.000.
  - Goldsberry, Kenneth L., 6,555, Cl. 70.000.
  - Goldsberry, Kenneth L., 6,626, Cl. 73.000.
  - Goldsberry, Kenneth L., 6,641, Cl. 70.000.
  - Goldsberry, Kenneth L., 6,642, Cl. 70.000.
  - Goldsberry, Kenneth L., 6,643, Cl. 71.000.
  - Goldsberry, Kenneth L., 6,663, Cl. 71.000.
- Conard-Pyle Company, The: *See—*
  - Meilland, Alain A., 6,792, Cl. 17.000.
  - Meilland, Alain A., 6,807, Cl. 1.000.
  - Meilland, Alain A., 6,814, Cl. 22.000.
  - Meilland, Alain A., 7,021, Cl. 10.000.
  - Meilland, Marie-Louise, deceased, 6,598, Cl. 1.000.
  - Meilland, Marie-Louise, deceased, 6,791, Cl. 7.000.
  - Meilland, Marie-Louise, deceased, 6,803, Cl. 15.000.
  - Meilland, Marie-Louise, deceased, 6,804, Cl. 18.000.
  - Meilland, Marie-Louise, deceased, 6,810, Cl. 8.000.
  - Meilland, Marie-Louise, deceased, 6,817, Cl. 6.000.
  - Meilland, Marie-Louise, deceased, 6,818, Cl. 7.000.
  - Meilland, Marie-Louise, deceased, 6,891, Cl. 1.000.
  - Meilland, Marie-Louise, deceased, 6,892, Cl. 2.000.
  - Meilland, Marie-Louise, deceased, 6,895, Cl. 18.000.
- Cornell Research Foundation, Inc.: *See—*
  - Sanford, John C.; and Reich, Jack E., 7,067, Cl. 46.000.
- Craig, Richard; and Glicenstein, Leon, to Research Corporation Technologies, Inc. Geranium plant '#854-(82-114-7) Juliet'. 6,654, 3-7-89, Cl. 68.000.
- Dan Tudor & Sons: *See—*
  - Buksa, John A., 6,760, Cl. 47.000.
- De besloten vennootschap met beperkte aansprakelijkheid Hoffgaarde B.V.: *See—*
  - Hoff, Petrus M. M., 7,026, Cl. 68.000.
- de Ruiter's Nieuwe Rozen B.V.: *See—*
  - de Ruiter, Gijsbert, 7,051, Cl. 9.000.
- de Jong, John M. F. Bouvardia named Jowhite. 6,718, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Roxanne. 6,719, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Jorosa. 6,720, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Pauline. 6,721, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Jolita. 6,722, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Ilonka. 6,723, 4-4-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Ingrid. 6,832, 6-6-89, Cl. 68.000.
- de Jong, John M. F. Bouvardia named Joreda. 6,833, 6-6-89, Cl. 68.000.
- DeMarco, Medio. Peach tree named Lady Nancy. 7,069, 12-12-89, Cl. 42.000.
- Denholm Seeds: *See—*
  - Winner, Blair L., 6,593, Cl. 68.000.
  - Winner, Blair L., 6,636, Cl. 68.000.
  - Winner, Blair L., 6,652, Cl. 68.000.
- de Roose, Albert, to J. J. Henny Bos. *Vriesia poelmanii* plant named White Line. 6,619, 2-21-89, Cl. 88.000.
- de Ruiter, Gijsbert, to de Ruiter's Nieuwe Rozen B.V. Miniature rose plant. 7,051, 10-31-89, Cl. 9.000.
- Desamero, Luis: *See—*
  - Fonda, Henry; and Desamero, Luis, 6,809, Cl. 8.000.
- DeVor Nurseries, Inc.: *See—*
  - Marciel, Stanley G., 6,582, Cl. 16.000.
  - Marciel, Stanley G., 6,583, Cl. 7.000.
  - Marciel, Stanley G., 6,584, Cl. 10.000.
  - Marciel, Stanley G., 6,875, Cl. 9.000.
- Doyle, James F. Peach tree, "Flavor Queen". 6,759, 4-25-89, Cl. 43.000.
- Drewlow, Lyndon W., to Mikkelsens, Inc. Kalanchoe plant named Garnet. 6,631, 2-28-89, Cl. 68.000.
- Drewlow, Lyndon W., to Mikkelsens, Inc. Kalanchoe plant named Goldstrike. 6,632, 2-28-89, Cl. 68.000.
- Drewlow, Lyndon W., to Mikkelsens, Inc. Streptocarpus plant named Achilles. 6,635, 2-28-89, Cl. 68.000.
- Drewlow, Lyndon W., to Mikkelsens Inc. Begonia plant named Lancelot. 6,928, 7-18-89, Cl. 68.000.
- Drewlow, Lyndon W.; and Barco, Arthur, to Mikkelsens, Inc. Begonia plant named Appleblossom. 7,004, 8-29-89, Cl. 68.000.
- Driscoll Strawberry Associates, Inc.: *See—*
  - Johnson, Harold A., Jr.; Small, David W.; Amorao, Amado Q.; and Espejo, Joseph I., Jr., 7,024, Cl. 49.000.
- Ducloux, Yves: *See—*
  - Barberet, Nicole; and Ducloux, Yves, 6,571, Cl. 70.000.
  - Barberet, Nicole; and Ducloux, Yves, 6,710, Cl. 70.000.
  - Barberet, Nicole; and Ducloux, Yves, 6,711, Cl. 71.000.
- Duemmen, Guenter. Geranium plant named Plaisire. 6,708, 3-28-89, Cl. 68.000.
- Duemmen, Guenter. Geranium plant named Praeludium. 6,716, 4-4-89, Cl. 68.000.
- Duemmen, Guenter. Geranium plant named Feeling. 6,717, 4-4-89, Cl. 68.000.
- Duemmen, Guenter. Geranium plant named Serenade. 6,761. 4-25-89, Cl. 68.000.
- Duemmen, Guenter. Duerom. 7,059, 11-28-89, Cl. 68.000.
- Duemmen, Guenter. Dueleg. 7,060, 11-28-89, Cl. 68.000.
- Duffett, William E.; and VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Boaldi. 6,613, 2-21-89, Cl. 77.000.
- Duffett, William E., to Yoder Brothers, Inc. Chrysanthemum plant named Raya. 6,615, 2-21-89, Cl. 74.000.
- Duffett, William E., to Yoder Brothers. Chrysanthemum plant named Flex. 6,885, 6-27-89, Cl. 78.000.
- Duffett, William E., to Yoder Brothers Inc. Chrysanthemum plant named Piranga. 6,889, 6-27-89, Cl. 82.000.
- Duffett, William E., to Yoder Brothers, Inc. Chrysanthemum plant named Mesmer. 6,905, 7-4-89, Cl. 79.000.
- Ecke, Paul, Jr. Poinsettia plant named Lilo. 6,694, 3-28-89, Cl. 86.000.
- Ecke, Paul, Jr.: *See—*
  - Kientzler, Ludwig, 6,681, Cl. 68.000.
  - Kientzler, Ludwig, 6,682, Cl. 68.000.
  - Kientzler, Ludwig, 6,683, Cl. 68.000.
  - Kientzler, Ludwig, 6,684, Cl. 68.000.
  - Kientzler, Ludwig, 6,685, Cl. 68.000.
  - Kientzler, Ludwig, 6,686, Cl. 68.000.
  - Kientzler, Ludwig, 6,687, Cl. 68.000.
  - Kientzler, Ludwig, 6,728, Cl. 68.000.
  - Kientzler, Ludwig, 6,729, Cl. 68.000.
  - Kientzler, Ludwig, 6,730, Cl. 68.000.
  - Kientzler, Ludwig, 6,731, Cl. 68.000.
  - Kientzler, Ludwig, 6,732, Cl. 68.000.
  - Kientzler, Ludwig, 6,762, Cl. 68.000.
  - Kientzler, Ludwig, 6,765, Cl. 68.000.
  - Kientzler, Ludwig, 6,831, Cl. 68.000.
  - Kientzler, Ludwig, 6,925, Cl. 68.000.
- Edwards, Charles W., to Monrovia Nursery Company. *Juniperus sabina* cv. Monard. 6,656, 3-7-89, Cl. 50.000.
- Egger, Janet N., to Mitsuwa Nursery, Inc. Verbena plant called Verbena "A". 6,963, 8-1-89, Cl. 68.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant named Linda. 6,622, 2-21-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant named Jersey Jade. 6,623, 2-21-89, Cl. 89.000.

- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant named Jersey Knight. 6,624, 2-21-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant — 'Jersey General' . 6,965, 8-1-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant—'Tara'. 6,966, 8-1-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant—'Louise'. 6,967, 8-1-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant—'Kathryn'. 6,968, 8-1-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant—'Jersey Titan'. 6,969, 8-1-89, Cl. 89.000.
- Ellison, J. Howard; and Kinelski, John J., to Rutgers University. Asparagus plant—Jersey Gem. 6,970, 8-1-89, Cl. 89.000.
- Espejo, Joseph I., Jr.: *See—*
  - Johnson, Harold A., Jr.; Small, David W.; Amorao, Amado Q.; and Espejo, Joseph I., Jr., 7,024, Cl. 49.000.
- Establissements Barberat et Blanc, Laboratoire de Physiologie Vegetale: *See—*
  - Barberet-Maiolino, Nicole; and Blanc, Henri, 7,047, Cl. 71.000.
- Establissements: Barberet et Blanc Laboratoire de Physiologie Vegetale: *See—*
  - Barberet-Maiolino, Nicole; and Blanc, Henri, 7,048, Cl. 73.000.
- Eubanks, Mary W., to Vanderbilt University. Corn plant named Sun Dance. 6,906, 7-4-89, Cl. 89.000.
- Euser's Greenhouses, Inc.: *See—*
  - Segers, Theo, 6,600, Cl. 70.000.
- Fernlea Flowers, Ltd.: *See—*
  - Sawaya, Milhem; and Howe, Michael J., 6,580, Cl. 86.000.
- Fiala, John L., to New Plants. Flowering crab apple tree named Mazam. 6,672, 3-14-89, Cl. 34.000.
- Fiala, John L., to Yoder Brothers, Inc. Crabapple tree named Amberina. 6,942, 7-25-89, Cl. 34.000.
- Fiala, John L., to Chas. Klehm & Son. Crabapple tree named Satin Cloud. 6,956, 8-1-89, Cl. 34.000.
- Fiala, John L., to Chas. Klehm & Son. Crabapple tree named Serenade. 6,957, 8-1-89, Cl. 34.000.
- Fiala, John L., to Chas. Klehm & Son. Crabapple tree named Spring Song. 6,958, 8-1-89, Cl. 34.000.
- Fiala, John L., to Chas. Klehm & Son. Crabapple tree named Red Swan. 6,974, 8-8-89, Cl. 34.000.
- Fiala, John L., to Chas. Klehm & Son. Crabapple tree named Red Peacock. 7,022, 9-12-89, Cl. 34.000.
- Fides Beheer: *See—*
  - Van der Knaap, Jacques C. M., 6,869, Cl. 74.000.
- Fides Beheer B.V.: *See—*
  - Post, Joachim, 6,564, Cl. 68.000.
  - Rowe, Frank, deceased; Rowe, Philip M. B., executor; Rowe, Derek A., executor; and Harding, Theodore H., executor, 6,779, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,734, Cl. 74.000.
  - Van Der Knaap, Jacques C. M., 6,735, Cl. 77.000.
  - Van der Knaap, Jacques C. M., 6,736, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,738, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,740, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,741, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,742, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,743, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,744, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,766, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,780, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,867, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,868, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,870, Cl. 74.000.
  - Van der Knaap, Jacques C. M., 6,934, Cl. 74.000.
  - Van der Knapp, Jacques C. M., 6,737, Cl. 74.000.
  - Van der Knapp, Jacques C. M., 6,739, Cl. 74.000.
- Finger, Herman, to Wiesmoor-Gartnerie und Baumschule GmbH. Kalanchoe plant named Harmony. 6,649, 3-7-89, Cl. 68.000.
- Finger, Hermann, to Wiesmoor-Gartnerie und Baumschule GmbH. Kalanchoe plant named Charme. 6,648, 3-7-89, Cl. 68.000.
- Finger, Hermann, to Wiesmoor-Gartnerie und Baumschule GmbH. Kalanchoe plant named Helios. 6,650, 3-7-89, Cl. 68.000.
- Finger, Hermann, to Wiesmoor-Gartnerie und Baumschule GmbH. Kalanchoe plant named Caprice. 6,651, 3-7-89, Cl. 68.000.
- Finger, Hermann, to Wiesmoor-Gartnerie und Baumschule GmbH. Kalanchoe plant named Fantasy. 6,878, 6-27-89, Cl. 68.000.
- First Congregational Church of Bloomfield, The: *See—*
  - Berg, David H., 6,843, Cl. 7.000.
- Fischer, Arnold. African violet plant named Irish Ruffles. 6,638, 2-28-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Picotee Ruffles. 6,639, 2-28-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Blue Waters. 6,640, 2-28-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Sweetheart. 6,645, 3-7-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Primadonna. 6,646, 3-7-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Midnight Ruffles. 6,647, 3-7-89, Cl. 69.000.
- Fischer, Arnold. African violet plant named Heidrun. 6,800, 5-16-89, Cl. 69.000.
- Flemer, William, III, to New Plant Associates. Princeton gold. 6,727, 4-11-89, Cl. 51.000.
- Flemer, William, III, to Newplant Associates. *Amelanchier candensis* "White Pillar" . 7,072, 12-12-89, Cl. 51.000.
- Fonda, Henry; and Desamero, Luis, to Weeks Wholesale Rose Grower, Inc. Rose plant named Weopop. 6,809, 5-23-89, Cl. 8.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia hybrida Paradise. 6,854, 6-13-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia hybrida Tahiti. 6,855, 6-13-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia Hybrida Torch. 6,856, 6-13-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia Hybrida H[illegible] 6,858, 6-13-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia Hybrida Hula. 6,871, 6-20-89, Cl. 88.000.
- Frazer, Edwin J. Dieffenbachia Hybrida Bali Hai. 6,872, 6-20-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman's Plants Incorp. Dieffenbachia Hybrida Aloha. 6,873, 6-20-89, Cl. 88.000.
- Frazer, Edwin J., to Hartman Plant Laboratories, Inc. Dieffenbachia Hybrida Maui. 7,010, 8-29-89, Cl. 88.000.
- Fruit Tree Research Station, Ministry of Agriculture, Forestry and Fisheries: *See—*
  - Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
  - Nishida, Teruo; Yoshida, Masao; Kyotani, Hidetoshi; Yamaguchi, Masami; and Kozono, Teruo, 6,540, Cl. 42.000.
  - Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
- Fuesa, Janet S. Chrysanthemum plant named Pink Champagne. 6,920, 7-11-89, Cl. 76.000.
- Fuess, Janet S. Chrysanthemum plant named Bordeaux. 6,987, 8-15-89, Cl. 76.000.
- Garabedian, John M. Plum Tree, "Rancho Cinco" . 7,075, 12-19-89, Cl. 38.000.
- Garabedian, John M. Plum tree, Gar-Red. 7,076, 12-19-89, Cl. 38.000.
- Garabedian, John M. Plum tree, Rancho Ocho. 7,082, 12-26-89, Cl. 38.000.
- Gardner, Leith M.: *See—*
  - Zaiger, Chris F.; Zaiger, Gary N.; Gardner, Leith M.; and Zaiger, Grant G., 6,747, Cl. 43.000.
  - Zaiger, Chris F.; Gardner, Leith M.; Zaiger, Gary N.; and Zaiger, Grant G., 6,753, Cl. 41.000.
  - Zaiger, Chris F.; Zaiger, Gary N.; Gardner, Leith M.; and Zaiger, Grant G., 6,755, Cl. 39.000.
  - Zaiger, Chris F.; Gardner, Leith M.; Zaiger, Gary N.; and Zaiger, Grant G., 6,763, Cl. 38.000.
  - Zaiger, Chris F.; Gardner, Leith M.; Zaiger, Gary N.; and Zaiger, Grant G., 6,764, Cl. 38.000.
  - Zaiger, Chris F.; Gardner, Leith M.; Zaiger, Gary N.; and Zaiger, Grant G., 7,065, Cl. 42.000.
- Geo. W. Park Seed Co., Inc.: *See—*
  - Wiles, Linda S., 6,633, Cl. 68.000.
  - Wiles, Linda S., 6,634, Cl. 68.000.
  - Wiles, Linda S., 6,637, Cl. 68.000.
- Georgusis, James J., to Oglesby Plant Laboratories, Inc. Spathiphyllum cultivar 'Gorgusis No. 1' . 6,964, 8-1-89, Cl. 88.000.
- Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara": *See—*
  - Holtkamp, Reinhold, Sr., 6,601, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,604, Cl. 69.000.
- Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara": *See—*
  - Holtkamp, Reinhold, Sr., 6,524, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,525, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,526, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,527, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,532, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,533, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,534, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,536, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,549, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,550, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,575, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,587, Cl. 69.000.
  - Holtkamp, Reinhold, Sr., 6,603, Cl. 69.000.
  - Koltkamp, Reinhold, Sr., 6,535, Cl. 69.000.
- Glicenstein, Leon: *See—*
  - Craig, Richard; and Glicenstein, Leon, 6,654, Cl. 68.000.
- Goemans, Frank, to Wuelfinghoff Freesia B.V. Alstroemeria plant named Golden Delight. 7,077, 12-19-89, Cl. 68.000.
- Goemans, Frank, to Wuelfinghoff Freesia B.V. Alstroemeria plant named Apollo. 7,078, 12-19-89, Cl. 68.000.
- Goemans, Frank, to Wuelfinghoff Freesia B.V. Alstroemeria plant named Cavalier. 7,079, 12-19-89, Cl. 68.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant Lindsey. 6,553, 1-24-89, Cl. 71.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant Maroon Bells. 6,554, 1-24-89, Cl. 73.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant Crestone. 6,555, 1-24-89, Cl. 70.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant 'Redcloud'. 6,626, 2-21-89, Cl. 73.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant 'Quandary'. 6,641, 2-28-89, Cl. 70.000.

- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant 'Snowmass'. 6,642, 2-28-89, Cl. 70.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant 'Shavano'. 6,643, 2-28-89, Cl. 71.000.
- Goldsberry, Kenneth L., to Colorado State University Research Foundation. Dwarf carnation plant 'Sneffels'. 6,663, 3-14-89, Cl. 71.000.
- Gordon, Louis R. Gordon's Gift bermuda grass. 7,073, 12-12-89, Cl. 88.000.
- Gordon, Louis R. World feeder Bermuda grass. 7,081, 12-19-89, Cl. 88.000.
- Greiner, Ernest B., to Adams County Nursery, Inc. Apple tree named Pioneer Mac. 7,002, 8-29-89, Cl. 34.000.
- Groot Associates II: *See—*
  - van Duyn, Cornelis, 6,609, Cl. 68.000.
  - van Duyn, Cornelis, 6,610, Cl. 68.000.
  - van Duyn, Cornelis, 6,611, Cl. 68.000.
  - van Duyn, Cornelis, 6,751, Cl. 68.000.
  - van Duyn, Cornelis, 6,752, Cl. 68.000.
  - van Duyn, Cornelis, 6,757, Cl. 68.000.
  - van Duyn, Cornelius, 6,750, Cl. 68.000.
- Gross, Eduard. Poinsettia named Supjibi. 6,592, 2-7-89, Cl. 86.000.
- Guillemet, Fred B.: *See—*
  - Coffey, Michael D.; and Guillemet, Fred B., 6,627, Cl. 44.000.
  - Coffey, Michael D.; and Guillemet, Fred B., 6,628, Cl. 44.000.
- Hacker, Theodore R. Hacker's August Gold apple tree. 6,724, 4-4-89, Cl. 34.000.
- Halligan, James P. Rhododendron plant 'Scented Springtime' . 6,629, 2-28-89, Cl. 55.000.
- Hanuda, Tadayuki: *See—*
  - Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
- Hansche, Paul E., to University of California, The Regents of the. Peach tree called Valley Red. 6,671, 3-14-89, Cl. 43.000.
- Hansche, Paul E., to University of California, The Regents of the. Cherry tree named Brooks. 6,676, 3-14-89, Cl. 37.000.
- Hansche, Paul E., to University of California, The Regents of The. Valley Sun. 6,912, 7-11-89, Cl. 43.000.
- Hansche, Paul E., to University of California, The Regents of The. Valley Gem. 6,976, 8-8-89, Cl. 43.000.
- Harding, Theodore H., executor: *See—*
  - Rowe, Frank, deceased; Rowe, Philip M. B., executor; Rowe, Derek A., executor; and Harding, Theodore H., executor, 6,779, Cl. 74.000.
- Harkness, John L., to Weeks Wholesale Rose Grower, Inc. Hybrid floribunda rose plant. 6,953, 7-25-89, Cl. 24.000.
- Harman, James M., to Adams County Nursery, Inc. Peach tree. 6,828, 6-6-89, Cl. 43.000.
- Hartman Plant Laboratories, Inc.: *See—*
  - Frazer, Edwin J., 6,854, Cl. 88.000.
  - Frazer, Edwin J., 6,855, Cl. 88.000.
  - Frazer, Edwin J., 6,856, Cl. 88.000.
  - Frazer, Edwin J., 6,858, Cl. 88.000.
  - Frazer, Edwin J., 6,871, Cl. 88.000.
  - Frazer, Edwin J., 7,010, Cl. 88.000.
- Hartman's Plants Incorp.: *See—*
  - Frazer, Edwin J., 6,873, Cl. 88.000.
- Harvey, Clyde H., to Adams County Nursery, Inc. Apple tree "Ginger Gold". 7,063, 12-5-89, Cl. 34.000.
- Hassinger, Clarence. Yellow leaf Forsythia 'Clems' . 6,655, 3-7-89, Cl. 54.000.
- Hauenstein A.G.: *See—*
  - Hauenstein, Walter, 6,588, Cl. 34.000.
- Hauenstein, Walter, to Hauenstein A.G. Apple tree named Rafzubin. 6,588, 2-7-89, Cl. 34.000.
- Haver, Herman H. Maple tree named Mareltoi. 6,594, 2-7-89, Cl. 51.000.
- Hayashi, Calvin K. Anthurium plant named Starlight. 7,044, 10-3-89, Cl. 88.000.
- Herrera, Camilo, to Whitefield Corporation. Chrysanthemum plant named Dark Red Simona. 6,989, 8-15-89, Cl. 82.000.
- Hesse, Peter S., to Ball Pan Am Plant Co. Chrysanthemum plant named 24-Karat. 6,551, 1-24-89, Cl. 78.000.
- Hesse, Peter S., to Ball Pan Am Plant Co. Chrysanthemum plant named Majestic. 6,552, 1-24-89, Cl. 76.000.
- Hesse, Peter S., to Ball Pan Am Plant Co. Chrysanthemum plant named Amethyst. 6,562, 1-24-89, Cl. 76.000.
- Hesse, Peter S., to Ball Pan Am Plant Co. Chrysanthemum plant named Tangelo. 6,563, 1-24-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Titan. 6,775, 5-2-89, Cl. 77.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Bronco. 6,776, 5-2-89, Cl. 79.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Bourbon Street. 6,777, 5-2-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named White Delight. 6,834, 6-6-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Carnival. 6,835, 6-6-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Samba. 6,836, 6-6-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Cindy. 6,838, 6-6-89, Cl. 76.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Venoy. 6,840, 6-6-89, Cl. 77.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Blues. 6,935, 7-18-89, Cl. 74.000.
- Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Neon. 6,936, 7-18-89, Cl. 74.000.
- Hesse, Peter S.: *See—*
  - Shoesmith, Leonard H.; and Hesse, Peter S., 6,778, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,530, Cl. 78.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,531, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,837, Cl. 74.000.
  - Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,839, Cl. 77.000.
- Hetherington, Ernest, to Stewart Orchids. Orchid Yamadara Midnight Magenta 'Fine Wine' AM/AOS. 6,984, 8-15-89, Cl. 68.000.
- Hetherington, Ernest E., to Stewart Orchids. Orchid Laeliocattleya ballet folklorico 'Eloquence'. 6,830, 6-6-89, Cl. 68.000.
- Hirabayashi, Hiroshi: *See—*
  - Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,899, Cl. 68.000.
  - Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,914, Cl. 68.000.
  - Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,915, Cl. 68.000.
- Hiraragi, Tadao, to Okada, Makoto. Apple tree: Yataka. 7,001, 8-29-89, Cl. 34.000.
- Hoff, Petrus M. M., to De besloten vennootschap met beperkte aansprakelijkheid Hoffgaarde B.V. Lily plant named Chicago. 7,026, 9-12-89, Cl. 68.000.
- Hofmann, Christa, to Oglevee Ltd. Distinct variety of geranium plant named Isabell. 7,080, 12-19-89, Cl. 68.000.
- Hofmann, Christa, to Oglevee Ltd. Distinct variety of geranium plant named Fox. 7,083, 12-26-89, Cl. 68.000.
- Hofmann, Christa, to Oglevee Ltd. Distinct variety of geranium plant named Cherry. 7,085, 12-26-89, Cl. 68.000.
- Hofmann, Christa, to Oglevee Ltd. Distinct variety of geranium plant named Rebeca. 7,086, 12-26-89, Cl. 68.000.
- Hofmann, Christa, to Oglevee Ltd. Distinct variety of geranium plant named Laura. 7,087, 12-26-89, Cl. 68.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Trinidad. 6,524, 1-10-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Molokai. 6,525, 1-10-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Shenandoah. 6,526, 1-10-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Leo. 6,527, 1-10-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Denver. 6,532, 1-10-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Libra. 6,533, 1-17-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Corinna. 6,534, 1-17-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Carolyn. 6,536, 1-17-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara" . African violet plant named Lanai. 6,549, 1-24-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara" . African violet plant named Gisela. 6,550, 1-24-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara" . African violet plant named Annie. 6,575, 1-31-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Sonja. 6,587, 2-7-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Vanessa. 6,601, 2-14-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Claudia. 6,603, 2-14-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr., to Gesellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Mary. 6,604, 2-14-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Improved Florida. 6,845, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Angelica. 6,846, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Harlequin. 6,847, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Dallas. 6,848, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named improved Georgia. 6,849, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Alice. 6,850, 6-13-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Barbara. 6,916, 7-11-89, Cl. 69.000.
- Holtkamp, Reinhold, Sr. African violet plant named Virgo. 6,917, 7-11-89, Cl. 69.000.

Holtkamp, Reinhold, Sr. African violet plant named Little Diamond. 6,918, 7-11-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named St. Louis. 6,919, 7-11-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Little Ruby. 6,929, 7-18-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Little Amethyst. 6,930, 7-18-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Improved Maryland. 6,931, 7-18-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Improved Manitoba. 6,932, 7-18-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Little Opal. 6,933, 7-18-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Jennie. 6,985, 8-15-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Nancy. 6,998, 8-22-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Martinique. 7,005, 8-29-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Dolly. 7,006, 8-29-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Taurus. 7,007, 8-29-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Knoxville. 7,008, 8-29-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Improved Colorado. 7,027, 9-12-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Scarlet. 7,028, 9-12-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Little Pearl. 7,029, 9-12-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Gemini. 7,053, 11-7-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant name West Virginia. 7,056, 11-14-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Farrah. 7,057, 11-21-89, Cl. 69.000.
Holtkamp, Reinhold, Sr. African violet plant named Decennie. 7,088, 12-26-89, Cl. 69.000.
Holtkamp, Sr. Reinhold. African violet plant named Little Apatite. 6,986, 8-15-89, Cl. 69.000.
Hortech: *See—*
  MacKenzie, David S., 6,960, Cl. 54.000.
Howe, Michael J.: *See—*
  Sawaya, Milhem; and Howe, Michael J., 6,980, Cl. 86.000.
Hoy, Lowell L., Jr., to Joseph H. Hill Company. Rose plant seedling named Charade. 6,669, 3-14-89, Cl. 28.000.
Hrebeniuk, Alexander. Distinct variety of Poinsettia named H516A. 6,852, 6-13-89, Cl. 86.000.
Hrebeniuk, Alexander. Distinct variety of Poinsettia named H420C. 6,853, 6-13-89, Cl. 86.000.
Hrebeniuk, Alexander. Pointsettia plant named H-524. 6,890, 6-27-89, Cl. 86.000.
Hrebeniuk, Alexander. Distinct variety of poinsettia named Wonder Star II. 6,990, 8-15-89, Cl. 86.000.
Hrebeniuk, Alexander. Distinct variety of poinsettia named H519C. 7,020, 9-5-89, Cl. 86.000.
Humenick, Muriel, to Jackson & Perkins Company. Rose plant Jacmur. 6,805, 5-16-89, Cl. 14.000.
Hurado, Doris A.: *See—*
  Hurado, Jasper; and Hurado, Doris A., 6,923, Cl. 39.000.
Hurado, Jasper; and Hurado, Doris A. Apricot tree, "Judy's Delight". 6,923, 7-18-89, Cl. 39.000.
Ilsink, Peter, to Jackson & Perkins Company. Rose plant Interonly. 6,698, 3-28-89, Cl. 20.000.
Irvine, Ray. Rhododendron plane—Irvsmart variety. 6,898, 7-4-89, Cl. 56.000.
Ito Packing Co., Inc.: *See—*
  Taylor, James W., 6,806, Cl. 40.000.
  Taylor, James W., 6,816, Cl. 38.000.
J. J. Henny Bos: *See—*
  de Roose, Albert, 6,619, Cl. 88.000.
Jackson & Perkins Company: *See—*
  Humenick, Muriel, 6,805, Cl. 14.000.
  Ilsink, Peter, 6,698, Cl. 20.000.
  Kordes, Reimer, 6,513, Cl. 26.000.
  Kordes, Reimer, 6,695, Cl. 24.000.
  Warriner, William A., 6,514, Cl. 8.000.
  Warriner, William A., 6,515, Cl. 23.000.
  Warriner, William A., 6,518, Cl. 9.000.
  Warriner, William A., 6,577, Cl. 1.000.
  Warriner, William A., 6,612, Cl. 15.000.
  Warriner, William A., 6,653, Cl. 18.000.
  Warriner, William A., 6,664, Cl. 18.000.
  Warriner, William A., 6,665, Cl. 10.000.
  Warriner, William A., 6,666, Cl. 1.000.
  Warriner, William A., 6,667, Cl. 17.000.
  Warriner, William A., 6,668, Cl. 17.000.
  Warriner, William A., 6,693, Cl. 10.000.
  Warriner, William A., 6,725, Cl. 18.000.
  Warriner, William A., 6,795, Cl. 10.000.
  Warriner, William A., 6,911, Cl. 23.000.
  Warriner, William A., 6,971, Cl. 20.000.
  Warriner, William A., 6,972, Cl. 24.000.
Jacobsen, Peter. Geranium plant named Pink Silver Crown. 6,602, 2-14-89, Cl. 68.000.
Jacobsen, Peter. Geranium plant named Red Silver Crown. 6,605, 2-14-89, Cl. 68.000.
Jennings, Derek L., to Scottish Crop Research Institute. Blackberry plant—Loch Ness cultivar. 6,782, 5-9-89, Cl. 46.000.
Johnson, Harold A., Jr.; Small, David W.; Amorao, Amado Q.; and Espejo, Joseph I., Jr., to Driscoll Strawberry Associates, Inc. Strawberry plant 'Commander'. 7,024, 9-12-89, Cl. 49.000.
Jolly, Nelson F. Miniature rose plant named 'Arizona Sunset'. 6,559, 1-24-89, Cl. 7.000.
Jolly, Nelson F. Miniature rose plant named 'Swinger'. 6,560, 1-24-89, Cl. 7.000.
Jolly, Nelson F. Miniature rose plant named 'Proud Heritage'. 6,561, 1-24-89, Cl. 10.000.
Jordan, Christine; and Satory, Marie, to Ball Pan Am Plant Co. Chrysanthemum plant named Golden Geos. 6,589, 2-7-89, Cl. 78.000.
Jordan, Christine; and Satory, Marie, to Ball Seed Company. Chrysanthemum plant named Geos. 6,680, 3-21-89, Cl. 77.000.
Joseph H. Hill Company: *See—*
  Hoy, Lowell L., Jr., 6,669, Cl. 28.000.
Kajiura, Ichiro: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Kanagawa Prefecture: *See—*
  Ohkawa, Kiyoshi, 6,599, Cl. 18.000.
Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, to Fruit Tree Research Station, Ministry of Agriculture, Forestry and Fisheries. Japanese pear tree. 6,726, 4-11-89, Cl. 36.000.
Karnosky, David F., to Central Park Conservatory; and Arthur Ross Foundation, Inc. Chinese elm cultivar named "ARoss/Central Park". 6,983, 8-15-89, Cl. 51.000.
Keep, Elizabeth, to National Seed Development Organisation. Raspberry plant — Autumn Bliss cultivar. 6,597, 2-14-89, Cl. 46.000.
Keisei Rose Nurseries: *See—*
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,915, Cl. 68.000.
Keisei Rose Nurseries, Inc.: *See—*
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,899, Cl. 68.000.
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,914, Cl. 68.000.
Kiddle, Kenneth W., to Stark Brothers Nurseries and Orchards Company. Apple tree — Galaxy cultivar. 6,955, 8-1-89, Cl. 34.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Eurema. 6,681, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Caligo. 6,682, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Diane. 6,683, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Aglia. 6,684, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Aurore. 6,685, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Isopa. 6,686, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Sylvine. 6,687, 3-21-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Vanessa. 6,728, 4-11-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Phoebis. 6,729, 4-11-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Samia. 6,730, 4-11-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Selenia. 6,731, 4-11-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Adela. 6,732, 4-11-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Morio. 6,762, 4-25-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Sesia. 6,765, 5-2-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Lucine. 6,831, 6-6-89, Cl. 68.000.
Kientzler, Ludwig, to Ecke, Paul, Jr. Impatiens plant named Mimas. 6,925, 7-18-89, Cl. 68.000.
Kinelski, John J.: *See—*
  Ellison, J. Howard; and Kinelski, John J., 6,622, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,623, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,624, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,965, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,966, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,967, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,968, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,969, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,970, Cl. 89.000.
King, Gene. Rose plant/Kinschoon. 6,748, 4-18-89, Cl. 7.000.
Kishimoto, Osamu: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Kitahara Farms: *See—*
  Kitahara, Larry, 6,756, Cl. 38.000.
Kitahara, Gary R.: *See—*
  Minami, Steven G.; and Kitahara, Gary R., 6,864, Cl. 41.000.
Kitahara, Larry, to Kitahara Farms. Plum tree. 6,756, 4-25-89, Cl. 38.000.
Klemm, Siegfried. Miniature carnation named Klefitoni. 6,704, 3-28-89, Cl. 70.000.
Klemm, Siegfried, to Klemm & Sohn. Geranium plant named Klefisall. 6,994, 8-22-89, Cl. 68.000.
Klemm, Siegfried, to Klemm & Sohn. Geranium plant named Klefice. 6,995, 8-22-89, Cl. 68.000.
Klemm, Siegfried, to Klemm & Sohn. Geranium plant named Manepi. 6,996, 8-22-89, Cl. 68.000.
Klemm, Siegfried, to Klomm & Sohn. Geranium plant named Mareli. 6,997, 8-22-89, Cl. 68.000.
Klemm, Siegfried. Geranium plant named Mapursit. 7,014, 9-5-89, Cl. 68.000.
Klemm, Siegfried. Geranium named Klerissa. 7,015, 9-5-89, Cl. 68.000.
Klemm, Siegfried. Geranium named Kledap. 7,016, 9-5-89, Cl. 68.000.
Klemm, Siegfried, to Klemm & Sohn. Geranium named Kledaph. 7,017, 9-5-89, Cl. 68.000.
Klemm, Siegfried, to Klemm & Sohn. Geranium named Markoni. 7,018, 9-5-89, Cl. 68.000.
Klemm & Sohn: *See—*
  Klemm, Siegfried, 6,994, Cl. 68.000.
  Klemm, Siegfried, 6,995, Cl. 68.000.
  Klemm, Siegfried, 6,996, Cl. 68.000.
  Klemm, Siegfried, 7,017, Cl. 68.000.
  Klemm, Siegfried, 7,018, Cl. 68.000.
Klomm & Sohn: *See—*
  Klemm, Siegfried, 6,997, Cl. 68.000.
Koltkamp, Reinhold, Sr., to Gessellschaftsvertrag uber die Erfindergemeinschaft "Optimara". African violet plant named Los Angeles. 6,535, 1-17-89, Cl. 69.000.
Kordes, Reimer, to Jackson & Perkins Company. Rose plant Kortexung. 6,513, 1-3-89, Cl. 26.000.
Kordes, Reimer, to Jackson & Perkins Company. Rose plant Korflapei. 6,695, 3-28-89, Cl. 24.000.
Kotobuki, Kazuo: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Kozaki, Itaru: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Kozono, Teruo: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
  Nishida, Teruo; Yoshida, Masao; Kyotani, Hidetoshi; Yamaguchi, Masami; and Kozono, Teruo, 6,540, Cl. 42.000.
Krapf, Bernhard, to Swiss Federal Research Station. Apple tree: Arlet. 6,689, 3-21-89, Cl. 34.000.
Kvaskoff, Michel. Rose plant Kval. 6,909, 7-11-89, Cl. 19.000.
Kyotani, Hidetoshi: *See—*
  Nishida, Teruo; Yoshida, Masao; Kyotani, Hidetoshi; Yamaguchi, Masami; and Kozono, Teruo, 6,540, Cl. 42.000.
L. Daehnfeldt A/S: *See—*
  Rosendal, Erik, 6,927, Cl. 68.000.
Laboratoire de Physiologie Vegetale de la Londe: *See—*
  Barberet, Nicole; and Ducloux, Yves, 6,571, Cl. 70.000.
  Barberet, Nicole; and Ducloux, Yves, 6,710, Cl. 70.000.
  Barberet, Nicole; and Ducloux, Yves, 6,711, Cl. 71.000.
La Naour, Jean-Pierre, executor: *See—*
  Meilland, Marie-Louise, deceased, 6,895, Cl. 18.000.
Lanari, Fernand, to Selecta Klemm K.G. Carnation named Lanaric. 6,662, 3-14-89, Cl. 71.000.
Landsburg, Roger B., to Bailey Nurseries, Inc. Red Maple — Landsburg cultivar. 6,977, 8-8-89, Cl. 51.000.
Langmaid, Martin C., to Weyerhaeuser Company. Ilex × ataclerensis 'Wight Selection' variety. 6,978, 8-8-89, Cl. 65.000.
Laver, Keith, to Nor'East Miniature Roses, Inc. Rose plant named Lavjune'. 6,859, 6-20-89, Cl. 7.000.
Lecoufle, Maurice; and Vacherot, Michel, to Orchidees les Petits Fils et Fils de Vacherot & Lecoufle. Phalaenopsis plant named Velmer. 6,510, 1-3-89, Cl. 68.000.
Lecoufle, Maurice, to Stewart Orchids. Orchid Laeliocattleya Veldorado Polka. 7,013, 9-5-89, Cl. 68.000.
Lemrow, Maynard, to Nor'East Miniature Roses, Inc. White climbing miniature rose named Lemfall. 6,706, 3-28-89, Cl. 3.000.
Le Naour, Jean-Pierre, legal representative: *See—*
  Meilland, Marie-Louise, deceased, 6,598, Cl. 1.000.
  Meilland, Marie-Louise, deceased, 6,791, Cl. 7.000.
  Meilland, Marie-Louise, deceased, 6,803, Cl. 15.000.
  Meilland, Marie-Louise, deceased, 6,804, Cl. 18.000.
  Meilland, Marie-Louise, deceased, 6,810, Cl. 8.000.
  Meilland, Marie-Louise, deceased, 6,817, Cl. 6.000.
  Meilland, Marie-Louise, deceased, 6,818, Cl. 7.000.
  Meilland, Marie-Louise, deceased, 6,891, Cl. 1.000.
  Meilland, Marie-Louise, deceased, 6,892, Cl. 2.000.
London, Christopher J. Spathiphyllum named — Phoenix. 6,874, 6-20-89, Cl. 88.000.
Lowe, Hubert G. Variegated evergreen Azalea plant. 6,961, 8-1-89, Cl. 55.000.
Machida, Yutaka: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Mack, Grace H.; and VandenBerg, Cornelis P., to Mack, Grace H. Chrysanthemum plant named Frolic. 6,620, 2-21-89, Cl. 77.000.
Mack, Grace H.; and VandenBerg, Cornelis P., to Mack, Grace H. Chrysanthemum plant named Target. 6,621, 2-21-89, Cl. 78.000.
Mack, Grace H.; and VandenBerg, Cornelis P., to Mack, Grace H. Chrysanthemum plant named Illusion. 6,644, 2-28-89, Cl. 74.000.
Mack, Grace H.; and VandenBerg, Cornelis P., to Mack, Grace H. Chrysanthemum plant named Bravo. 6,888, 6-27-89, Cl. 82.000.
MacKenzie, David S., to Hortech. Periwinkle plant named Ralph Shugert. 6,960, 8-1-89, Cl. 54.000.
Madison, Dennis N. Walnut tree named Vester. 6,973, 8-8-89, Cl. 32.000.
Maftech North, Ruakura Agricultural Research Centre: *See—*
  Wood, Franklin H., 6,699, Cl. 33.000.
  Wood, Franklin H., 6,700, Cl. 33.000.
  Wood, Franklin H., 6,701, Cl. 33.000.
Maltagliati, Mark, to Ninomiya Nursery Co. Rose plant — Malnino variety. 6,908, 7-11-89, Cl. 14.000.
Man, Jan, to Oglevee Ltd. Distinct variety of begonia plant named Pink Beauty. 7,025, 9-12-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of begonia plant named Danja. 7,037, 9-19-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of begonia plant named Sandra. 7,038, 9-19-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of begonia plant named Aprigold. 7,039, 9-19-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of begonia plant named Marillo. 7,040, 9-19-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of Begonia plant named Sonata. 7,043, 10-3-89, Cl. 68.000.
Man, Jan, to Oglevee Ltd. Distinct variety of Begonia plant named Mariandel. 7,084, 12-26-89, Cl. 68.000.
Marando, Vincent, to Speer & Sons Nursery, Inc. Marando Weeping Honey Locust. 6,913, 7-11-89, Cl. 52.000.
Marciel, Stanley G., to DeVor Nurseries, Inc. Rose plant named De Voran. 6,582, 2-7-89, Cl. 16.000.
Marciel, Stanley G., to DeVor Nurseries, Inc. Rose plant named Devaurora. 6,583, 2-7-89, Cl. 7.000.
Marciel, Stanley G., to DeVor Nurseries, Inc. Rose plant named De Vrojo. 6,584, 2-7-89, Cl. 10.000.
Marciel, Stanley G., to DeVor Nurseries, Inc. Miniature rose named Devrosado. 6,875, 6-27-89, Cl. 9.000.
Masuda, Tetsuo: *See—*
  Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
Mayer, Eugene W.: *See—*
  Meier, Virgil D.; and Mayer, Eugene W., 6,537, Cl. 88.000.
  Meier, Virgil D.; and Mayer, Eugene W., 6,538, Cl. 88.000.
  Meier, Virgil D.; Turner, James K.; and Mayer, Eugene W., 6,585, Cl. 88.000.
McColley, Cora: *See—*
  Miller, Howard N., 6,794, Cl. 88.000.
  Miller, Howard N., 6,797, Cl. 88.000.
McGredy, Samuel. Rose plant. 6,907, 7-11-89, Cl. 7.000.
McGredy, Samuel, IV, to Bear Creek Gardens, Inc. Floribunda rose cv. Macrexy. 6,713, 4-4-89, Cl. 26.000.
McGredy, Samuel D. Rose plant named Baby Sunrise. 7,031, 9-19-89, Cl. 7.000.
McKenzie, Donald W.: *See—*
  Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
McRae, Edward A., to Melridge, Inc. Lily plant named Sylphide. 6,501, 1-3-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named Giselle. 6,502, 1-3-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid Oriental lily named Markova. 6,503, 1-3-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid oriental lily named Sylvia. 6,504, 1-3-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid oriental lily named Isadora. 6,505, 1-3-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily named Summer Pixie. 6,521, 1-10-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily named Irish Pixie. 6,522, 1-10-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily named Copellia. 6,523, 1-10-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named Charleston. 6,556, 1-24-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named 'Crimson Pixie'. 6,557, 1-24-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named Foxtrot. 6,572, 1-31-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named 'Fire Pixie'. 6,573, 1-31-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named 'Hornpipe'. 6,574, 1-31-89, Cl. 68.000.

McRae, Edward A., to Melridge, Inc. Hybrid Asiatic lily named Progress. 6,658, 3-7-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid Asiatic lily named Quickstep. 6,659, 3-7-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid Asiatic lily named Ruby Pixie. 6,660, 3-7-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named "Bolero". 6,677, 3-21-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid lily plant named Star Pixie. 6,696, 3-28-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Hybrid lily plant named Sun Pixie. 6,697, 3-28-89, Cl. 68.000.
McRae, Edward A., to Melridge, Inc. Lily plant named 'Dawn Pixie'. 6,715, 4-4-89, Cl. 68.000.
Meier, Virgil D.; and Mayer, Eugene W., to O. M. Scott & Sons Company, The. Kentucky bluegrass 'Ba 72-492'. 6,537, 1-17-89, Cl. 88.000.
Meier, Virgil D.; and Mayer, Eugene W., to O.M. Scott & Sons Company, The. Kentucky bluegrass—BA 70-139. 6,538, 1-17-89, Cl. 88.000.
Meier, Virgil D.; Turner, James K.; and Mayer, Eugene W., to O.M. Scott & Sons Company, The. Kentucky bluegrass. 6,585, 2-7-89, Cl. 88.000.
Meier, Virgil D.: *See—*
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,921, Cl. 88.000.
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,922, Cl. 88.000.
Meilland, Alain A., to Conard-Pyle Company. The. Rose plant—Meimainger variety. 6,792, 5-9-89, Cl. 17.000.
Meilland, Alain A., to Conard-Pyle Company, The. Rose plant — Meiplatin variety. 6,807, 5-23-89, Cl. 1.000.
Meilland, Alain A., to Conard-Pyle Company, The. Rose plant—Meizaleo variety. 6,814, 5-23-89, Cl. 22.000.
Meilland, Alain A., to Conard-Pyle Company, The. Rose plant—Meirutral variety. 7,021, 9-12-89, Cl. 10.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant—Meilontig variety. 6,598, 2-14-89, Cl. 1.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant—Meibarke variety. 6,791, 5-9-89, Cl. 7.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant—Meiclador variety. 6,803, 5-16-89, Cl. 15.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant — Meiplovon variety. 6,804, 5-16-89, Cl. 18.000.
Meilland, Marie-Louise, deceased (by le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant — Meiponal variety. 6,810, 5-23-89, Cl. 8.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant — Meiji Katarsar variety. 6,817, 5-30-89, Cl. 6.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant — Meitifran variety. 6,818, 5-30-89, Cl. 7.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant—Meiflopan variety. 6,891, 7-4-89, Cl. 1.000.
Meilland, Marie-Louise, deceased (by Le Naour, Jean-Pierre, legal representative), to Conard-Pyle Company, The. Rose plant—Meiviolin variety. 6,892, 7-4-89, Cl. 2.000.
Meilland, Marie-Louise, deceased (by La Naour, Jean-Pierre, executor), to Conard-Pyle Company, The. Rose plant—Meivildo variety. 6,895, 7-4-89, Cl. 18.000.
Melgoza, Rafael, to Barcelo Plant Growers, Inc. Barcelo yellow carpet. 6,825, 5-30-89, Cl. 68.000.
Melridge, Inc.: *See—*
  McRae, Edward A., 6,501, Cl. 68.000.
  McRae, Edward A., 6,502, Cl. 68.000.
  McRae, Edward A., 6,503, Cl. 68.000.
  McRae, Edward A., 6,504, Cl. 68.000.
  McRae, Edward A., 6,505, Cl. 68.000.
  McRae, Edward A., 6,521, Cl. 68.000.
  McRae, Edward A., 6,522, Cl. 68.000.
  McRae, Edward A., 6,523, Cl. 68.000.
  McRae, Edward A., 6,556, Cl. 68.000.
  McRae, Edward A., 6,557, Cl. 68.000.
  McRae, Edward A., 6,572, Cl. 68.000.
  McRae, Edward A., 6,573, Cl. 68.000.
  McRae, Edward A., 6,574, Cl. 68.000.
  McRae, Edward A., 6,658, Cl. 68.000.
  McRae, Edward A., 6,659, Cl. 68.000.
  McRae, Edward A., 6,660, Cl. 68.000.
  McRae, Edward A., 6,677, Cl. 68.000.
  McRae, Edward A., 6,696, Cl. 68.000.
  McRae, Edward A., 6,697, Cl. 68.000.
  McRae, Edward A., 6,715, Cl. 68.000.
Metropolitan Life Insurance Company: *See—*
  Chamberlin, Thomas O., Sr., 6,991, Cl. 38.000.
  Chamberlin, Thomas O., Sr., 6,992, Cl. 43.000.
  Chamberlin, Thomas O., Sr., 7,012, Cl. 41.000.
  Metzler, Ronald H., 7,003, Cl. 43.000.
Metzler Investments: *See—*
  Chamberlin, Thomas O., Sr., 6,991, Cl. 38.000.
  Chamberlin, Thomas O., Sr., 6,992, Cl. 43.000.
  Chamberlin, Thomas O., Sr., 7,012, Cl. 41.000.
  Metzler, Ronald H., 7,003, Cl. 43.000.
Metzler, Ronald H., to Metzler Investments; and Metropolitan Life Insurance Company. Peach tree, "Jefferson Sun". 7,003, 8-29-89, Cl. 43.000.
Michelssen, Konrad, to Mikkelsens, Inc. Achimenes plant named Tetra Linda. 6,567, 1-31-89, Cl. 68.000.
Mikkelsens, Inc.: *See—*
  Drewlow, Lyndon W., 6,631, Cl. 68.000.
  Drewlow, Lyndon W., 6,632, Cl. 68.000.
  Drewlow, Lyndon W., 6,635, Cl. 68.000.
  Drewlow, Lyndon W., 6,928, Cl. 68.000.
  Drewlow, Lyndon W.; and Barco, Arthur, 7,004, Cl. 68.000.
  Michelssen, Konrad, 6,567, Cl. 68.000.
Miller, Howard N., to McColley, Cora. Philodendron plant named Baron. 6,794, 5-9-89, Cl. 88.000.
Miller, Howard N., to McColley, Cora. Philodendron plant named Prince of Orange. 6,797, 5-16-89, Cl. 88.000.
Minami, Steven G.; and Kitahara, Gary R. Nectarine tree, "Kam Red" 6,864, 6-20-89, Cl. 41.000.
Mitsuwa Nursery, Inc.: *See—*
  Egger, Janet N., 6,963, Cl. 68.000.
Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., to O M. Scott & Sons Company, The. St. Augustine grass '6-72-182'. 6,921, 7-11-89, Cl. 88.000.
Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., to O.M. Scott & Sons Company, The. St. Augustine Grass '6-72-130-'. 6,922, 7-11-89, Cl. 88.000.
Mizuno, Wallace T.: *See—*
  Mizuno, Walter K.; and Mizuno, Wallace T., 7,023, Cl. 43.000.
Mizuno, Walter K.; and Mizuno, Wallace T. Peach tree, Fancy Lady 7,023, 9-12-89, Cl. 43.000.
Monrovia Nursery Company: *See—*
  Edwards, Charles W., 6,656, Cl. 50.000.
  Moore, Ralph S., 6,877, Cl. 66.000.
  Resendez, Gilbert N., 6,959, Cl. 54.000.
Moore, James N., to University of Arkansas. Choctaw Blackberry 6,678, 3-21-89, Cl. 46.000.
Moore, James N., to University of Arkansas. Blackberry—Navaho Cultivar. 6,679, 3-21-89, Cl. 46.000.
Moore, James N., to University of Arkansas. Grapevine — Saturn cultivar. 6,703, 3-28-89, Cl. 47.000.
Moore, Ralph S., to Bear Creek Gardens, Inc. Hybrid miniature rose plant cv. morPapplay. 6,548, 1-17-89, Cl. 2.000.
Moore, Ralph S., to Sequoia Nursery. Rose plant/var.: Morsegold 6,617, 2-21-89, Cl. 8.000.
Moore, Ralph S., to Sequoia Nursery. Rose plant/var.: Morfire. 6,6 2-21-89, Cl. 7.000.
Moore, Ralph S., to Sequoia Nursery. Rose plant/ Moryelrug. 6,793, 5-9-89, Cl. 1.000.
Moore, Ralph S., to Sequoia Nursery. Miniature rose plant named Morsno. 6,822, 5-30-89, Cl. 8.000.
Moore, Ralph S., to Monrovia Nursery Company. *Syringa vulgaris* cv Monore. 6,877, 6-27-89, Cl. 66.000.
Moore, Ralph S., to Sequoia Nursery. Miniature rose plant 'Morjoyc 7,055, 11-14-89, Cl. 7.000.
Moore, Ralph S., to Sequoia Nursery. Rose plant/Morchernag. 7,061, 12-5-89, Cl. 10.000.
Moser, Frank C., to Yoder Brothers, Inc. Hibiscus plant named Vista 6,608, 2-14-89, Cl. 54.000.
Moser, Frank C., to Yoder Brothers, Inc. Hibiscus plant named Lava 6,799, 5-16-89, Cl. 54.000.
Moser, Frank C., to Yoder Brothers, Inc. Hibiscus plant named Maui Sunset. 6,941, 7-25-89, Cl. 54.000.
Motzkau, Henry W., to Yoder Brothers, Inc. Azalea plant named Ilon 6,607, 2-14-89, Cl. 56.000.
Mulder, Alle D., to Royal Sluis B.V. Dahlia plant named Elly. 6,767, 5-2-89, Cl. 68.000.
Mulder, Alle D., to Royal Sluis B.V. Dahlia plant named Connie. 6,768, 5-2-89, Cl. 68.000.
Mulder, Alle D., to Royal Sluis B.V. Dahlia plant named Margaret 6,769, 5-2-89, Cl. 68.000.
Mulder, Alle D., to Royal Sluis B.V. Dahlia plant named Simon. 6,770, 5-2-89, Cl. 68.000.
Mulder, Alle D., to Royal Sluis B.V. Dahlia plant named Carol. 6,926, 7-18-89, Cl. 68.000.
Muldoon, Jackson P. Bedding viola named 'Black Magic'. 6,595, 2-7-89, Cl. 68.000.
National Seed Development Organisation: *See—*
  Keep, Elizabeth, 6,597, Cl. 46.000.
New Plant Associates: *See—*
  Flemer, William, III, 6,727, Cl. 51.000.
New Plants: *See—*
  Fiala, John L., 6,672, Cl. 34.000.
Newplant Associates: *See—*
  Flemer, William, III, 7,072, Cl. 51.000.
Ninomiya Nursery Co.: *See—*
  Maltagliati, Mark, 6,908, Cl. 14.000.
Nishida, Teruo; Yoshida, Masao; Kyotani, Hidetoshi; Yamaguchi, Masami; and Kozono, Teruo, to Fruit Tree Research Station, Ministry of Agriculture, Forestry and Fisheries. Peach tree 'Chiyohime' 6,540, 1-17-89, Cl. 42.000.
Nor'East Miniature Roses: *See—*
  Saville, F. Harmon, 7,032, Cl. 7.000.
Nor'East Miniature Roses, Inc.: *See—*
  Benardella, Frank A., 6,508, Cl. 7.000.
  Benardella, Frank A., 6,517, Cl. 7.000.
  Benardella, Frank A., 6,568, Cl. 9.000.
  Benardella, Frank A., 6,569, Cl. 10.000.
  Laver, Keith, 6,859, Cl. 7.000.
  Lemrow, Maynard, 6,706, Cl. 3.000.
  Saville, F. Harmon, 6,506, Cl. 7.000.
  Saville, F. Harmon, 6,507, Cl. 7.000.
  Saville, F. Harmon, 6,570, Cl. 9.000.
  Saville, F. Harmon, 6,707, Cl. 7.000.
  Saville, F. Harmon, 6,808, Cl. 7.000.
  Saville, F. Harmon, 6,811, Cl. 10.000.
  Saville, F. Harmon, 6,876, Cl. 9.000.
  Saville, F. Harmon, 6,951, Cl. 7.000.
  Saville, F. Harmon, 6,952, Cl. 7.000.
  Saville, F. Harmon, 7,058, Cl. 7.000.
NPI: *See—*
  Williams, J. Benjamin, 6,819, Cl. 7.000.
  Williams, J. Benjamin, 6,820, Cl. 7.000.
  Williams, J. Benjamin, 6,821, Cl. 7.000.
O. M. Scott & Sons Company, The: *See—*
  Meier, Virgil D.; and Mayer, Eugene W., 6,537, Cl. 88.000.
  Meier, Virgil D.; and Mayer, Eugene W., 6,538, Cl. 88.000.
  Meier, Virgil D.; Turner, James K.; and Mayer, Eugene W., 6,585, Cl. 88.000.
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,921, Cl. 88.000.
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,922, Cl. 88.000.
O'Brien, Susan M.: *See—*
  Bennett, Cecilia L. D., 6,787, Cl. 9.000.
O'Brien, Susan Mae: *See—*
  Bennett, Cecilia L. D., 6,788, Cl. 9.000.
  Bennett, Cecilia L. D., 6,789, Cl. 9.000.
  Bennett, Cecilia L. D., 6,790, Cl. 7.000.
Oglesby Plant Laboratories, Inc.: *See—*
  Georgusis, James J., 6,964, Cl. 88.000.
Oglevee Ltd.: *See—*
  Hofmann, Christa, 7,080, Cl. 68.000.
  Hofmann, Christa, 7,083, Cl. 68.000.
  Hofmann, Christa, 7,085, Cl. 68.000.
  Hofmann, Christa, 7,086, Cl. 68.000.
  Hofmann, Christa, 7,087, Cl. 68.000.
  Man, Jan, 7,025, Cl. 68.000.
  Man, Jan, 7,037, Cl. 68.000.
  Man, Jan, 7,038, Cl. 68.000.
  Man, Jan, 7,039, Cl. 68.000.
  Man, Jan, 7,040, Cl. 68.000.
  Man, Jan, 7,043, Cl. 68.000.
  Man, Jan, 7,084, Cl. 68.000.
Ohkawa, Kiyoshi, to Kanagawa Prefecture. Rose plant named 'Devale'. 6,599, 2-14-89, Cl. 18.000.
Okada, Makoto: *See—*
  Hiraragi, Tadao, 7,001, Cl. 34.000.
Olesen, Mogens N.: *See—*
  Olesen, Pernille; and Olesen, Mogens N., 6,860, Cl. 8.000.
  Olesen, Pernille; and Olesen, Mogens N., 6,939, Cl. 11.000.
Olesen, Pernille; and Olesen, Mogens N. Rose plant named Poullow Yellow Hit. 6,860, 6-20-89, Cl. 8.000.
Olesen, Pernille; and Olesen, Mogens N., to Weeks Wholesale Rose Growers, Inc. Rose plant named Pouloni. 6,939, 7-25-89, Cl. 11.000.
Omura, Mitsuo: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Orchidees les Petits Fils et Fils de Vacherot & Lecoufle: *See—*
  Lecoufle, Maurice; and Vacherot, Michel, 6,510, Cl. 68.000.
Osumi, Kengo. Peach tree, Lady Lou. 6,940, 7-25-89, Cl. 43.000.
Paboojian, John, Jr. Grapevine, "American Rose". 6,829, 6-6-89, Cl. 47.000.
PanAmerican Seed Company: *See—*
  Trees, Scott C., 6,657, Cl. 68.000.
Paparozzi, Ellen T., to University of Nebraska, The Board of Regents of the. Concetta TM (Papconc) c.v. (Rose plant). 6,749, 4-25-89, Cl. 20.000.
Parks, Franklin D. *Prnus serrulata* (Royal Burgundy). 6,520, 1-10-89, Cl. 37.000.
Perry, Anthony, to Co-Operative Rose Growers, Inc. Rose plant named Pure Love. 6,781, 5-9-89, Cl. 14.000.
Perry, Anthony, to Co-Operative Rose Growers, Inc. Rose plant named 'Burworld'. 6,863, 6-20-89, Cl. 12.000.
Post, Joachim, to Fides Beheer B.V. Kalanchoe plant named Helgoland. 6,564, 1-24-89, Cl. 68.000.
Powell, Clive N.; and Powell, Joyce. Navel orange plant named Powell Late Navel. 6,733, 4-11-89, Cl. 45.000.
Powell, Joyce: *See—*
  Powell, Clive N.; and Powell, Joyce, 6,733, Cl. 45.000.
Pursley, Walter L. Zoysia grass plant cv 'P-1'. 6,529, 1-10-89, Cl. 88.000.
Reagents of the University of California, The: *See—*
  Coffey, Michael D.; and Guillemet, Fred B., 6,628, Cl. 44.000.
Reich, Jack E.: *See—*
  Sanford, John C.; and Reich, Jack E., 7,067, Cl. 46.000.
Research Corporation Technologies, Inc.: *See—*
  Craig, Richard; and Glicenstein, Leon, 6,654, Cl. 68.000.
Resendez, Gilbert N., to Monrovia Nursery Company. Bougainvillea hybrid cv. Monka. 6,959, 8-1-89, Cl. 54.000.
Riordan, Terrance P.: *See—*
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,921, Cl. 88.000.
  Mixson, Wayne C.; Riordan, Terrance P.; and Meier, Virgil D., 6,922, Cl. 88.000.
Rosendal, Erik, to L. Daehnfeldt A/S. Exacum plant 'Best Rose'. 6,927, 7-18-89, Cl. 68.000.
Ross, Henry A. Hosta plant Solar Flare. 7,046, 10-10-89, Cl. 68.000.
Rowe, Derek A., executor: *See—*
  Rowe, Frank, deceased; Rowe, Philip M. B., executor; Rowe, Derek A., executor; and Harding, Theodore H., executor, 6,779, Cl. 74.000.
Rowe, Frank, deceased; by Rowe, Philip M. B., executor; by Rowe, Derek A., executor; and by Harding, Theodore H., executor, to Fides Beheer B.V. Chrysanthemum plant named Ryflash. 6,779, 5-2-89, Cl. 74.000.
Rowe, Philip M. B., executor: *See—*
  Rowe, Frank, deceased; Rowe, Philip M. B., executor; Rowe, Derek A., executor; and Harding, Theodore H., executor, 6,779, Cl. 74.000.
Royal Sluis B.V.: *See—*
  Mulder, Alle D., 6,767, Cl. 68.000.
  Mulder, Alle D., 6,768, Cl. 68.000.
  Mulder, Alle D., 6,769, Cl. 68.000.
  Mulder, Alle D., 6,770, Cl. 68.000.
  Mulder, Alle D., 6,926, Cl. 68.000.
Rutgers University: *See—*
  Ellison, J. Howard; and Kinelski, John J., 6,622, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,623, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,624, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,965, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,966, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,967, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,968, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,969, Cl. 89.000.
  Ellison, J. Howard; and Kinelski, John J., 6,970, Cl. 89.000.
Sakamoto, Shoji, to Sakata Seed America, Inc. Hydrangea plant named Kumiko. 6,924, 7-18-89, Cl. 54.000.
Sakata Seed America, Inc.: *See—*
  Arakawa, Hiroshi, 6,691, Cl. 68.000.
  Arakawa, Hiroshi, 6,692, Cl. 68.000.
  Sakamoto, Shoji, 6,924, Cl. 54.000.
Sanada, Tetsuro: *See—*
  Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.
Sanford, John C.; and Reich, Jack E., to Cornell Research Foundation, Inc. Red raspberry 'Watson'. 7,067, 12-5-89, Cl. 46.000.
Sanford, Randall L. Spider Chrysanthemum named Autumn Champagne. 6,937, 7-18-89, Cl. 79.000.
Sapia, Flavio. Carnation plant named Milly. 7,054, 11-7-89, Cl. 71.000.
Sato, Yoshihiko: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.
Satory, Marie: *See—*
  Jordan, Christine; and Satory, Marie, 6,589, Cl. 78.000.
  Jordan, Christine; and Satory, Marie, 6,680, Cl. 77.000.
Satterstrom, Joseph W. Plum tree, Viking Pride. 6,712, 4-4-89, Cl. 38.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savaluck. 6,506, 1-3-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savamist. 6,507, 1-3-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savarend. 6,570, 1-31-89, Cl. 9.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savabeg. 6,707, 3-28-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savaday. 6,808, 5-23-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant. 6,811, 5-23-89, Cl. 10.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Rose plant named Savacloud. 6,876, 6-27-89, Cl. 9.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Miniature rose plant named Savadee. 6,951, 7-25-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Miniature rose plant named Savashel. 6,952, 7-25-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses. Miniature rose plant named Savacop. 7,032, 9-19-89, Cl. 7.000.
Saville, F. Harmon, to Nor'East Miniature Roses, Inc. Miniature rose plant named Savachas. 7,058, 11-21-89, Cl. 7.000.
Sawaya, Milhem; and Howe, Michael J., to Fernlea Flowers, Ltd. Distinct variety of Poinsettia named Red Sails. 6,980, 8-8-89, Cl. 86.000.
Schnizer, William O., to Ball Pan Am Plant Co. Chrysanthemum plant named Schnizer's Twilight. 6,565, 1-31-89, Cl. 74.000.
Scottish Crop Research Institute: *See—*
  Jennings, Derek L., 6,782, Cl. 46.000.
Segers, Theo, to Euser's Greenhouses, Inc. Carnation variety named Bagatel. 6,600, 2-14-89, Cl. 70.000.
Seike, Kanetsugu: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki,

Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.

Selecta Klemm K.G.: *See—*
  Lanari, Fernand, 6,662, Cl. 71.000.

Sequoia Nursery: *See—*
  Moore, Ralph S., 6,617, Cl. 8.000.
  Moore, Ralph S., 6,618, Cl. 7.000.
  Moore, Ralph S., 6,793, Cl. 1.000.
  Moore, Ralph S., 6,822, Cl. 8.000.
  Moore, Ralph S., 7,055, Cl. 7.000.
  Moore, Ralph S., 7,061, Cl. 10.000.

Serimian, Donald M.; and Serimian, Lionel M. Nectarine tree, Summer Lion—Three. 6,541, 1-17-89, Cl. 41.000.

Serimian, Donald M.; and Serimian, Lionel M. Nectarine tree, "May Lion". 6,542, 1-17-89, Cl. 41.000.

Serimian, Donald M.; and Serimian, Lionel M. Nectarine tree, "Summer Lion". 6,543, 1-17-89, Cl. 41.000.

Serimian, Donald M.; and Serimian, Lionel M. Nectarine tree, "Summer Lion — Two". 6,544, 1-17-89, Cl. 41.000.

Serimian, Lionel M.: *See—*
  Serimian, Donald M.; and Serimian, Lionel M., 6,541, Cl. 41.000.
  Serimian, Donald M.; and Serimian, Lionel M., 6,542, Cl. 41.000.
  Serimian, Donald M.; and Serimian, Lionel M., 6,543, Cl. 41.000.
  Serimian, Donald M.; and Serimian, Lionel M., 6,544, Cl. 41.000.

Shimura, Isao: *See—*
  Kanato, Kitsuo; Machida, Yutaka; Kozaki, Itaru; Chiba, Tsutomu; Kishimoto, Osamu; Seike, Kanetsugu; Shimura, Isao; Kotobuki, Kazuo; Omura, Mitsuo; Kajiura, Ichiro; Sato, Yoshihiko; and Kozono, Teruo, 6,726, Cl. 36.000.

Shoesmith, Leonard H.; and Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Jazz. 6,778, 5-2-89, Cl. 74.000.

Shoesmith, Leonard H., deceased (by Shoesmith, May Victoria, executrix); and Hesse, Peter S., to Ball Pan Am Plant Company. Chrysanthemum plant named Cadet. 6,530, 1-10-89, Cl. 78.000.

Shoesmith, Leonard H., deceased (by Shoesmith, May V., executrix); and Hesse, Peter S., to Ball Pan Am Plant Company. Chrysanthemum plant named Crusader. 6,531, 1-10-89, Cl. 74.000.

Shoesmith, Leonard H., deceased (by Shoesmith, May Victoria, executrix); and Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Pekoe. 6,837, 6-6-89, Cl. 74.000.

Shoesmith, Leonard H., deceased (by Shoesmith, May V., executor); and Hesse, Peter S., to Ball Seed Company. Chrysanthemum plant named Venetian. 6,839, 6-6-89, Cl. 77.000.

Shoesmith, May V., executor: *See—*
  Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,839, Cl. 77.000.

Shoesmith, May V., executrix: *See—*
  Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,531, Cl. 74.000.

Shoesmith, May Victoria, executrix: *See—*
  Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,530, Cl. 78.000.
  Shoesmith, Leonard H., deceased; and Hesse, Peter S., 6,837, Cl. 74.000.

Simpson Orchard Company, Inc.: *See—*
  Simpson, Thomas R., 6,606, Cl. 34.000.

Simpson, Thomas R., to Simpson Orchard Company, Inc. Candymint Sargent crabapple tree. 6,606, 2-14-89, Cl. 34.000.

Siri, Angelo J., to Siri Brothers Nursery Inc. Miniature carnation—Donna. 6,566, 1-31-89, Cl. 70.000.

Siri Brothers Nursery Inc.: *See—*
  Siri, Angelo J., 6,566, Cl. 70.000.

Small, David W.: *See—*
  Johnson, Harold A., Jr.; Small, David W.; Amorao, Amado Q.; and Espejo, Joseph I., Jr., 7,024, Cl. 49.000.

Speer & Sons Nursery, Inc.: *See—*
  Marando, Vincent, 6,913, Cl. 52.000.

Stark Brothers Nurseries and Orchards Company: *See—*
  Kiddle, Kenneth W., 6,955, Cl. 34.000.

Stewart Orchids: *See—*
  Hetherington, Ernest, 6,984, Cl. 68.000.
  Hetherington, Ernest E., 6,830, Cl, 68.000.
  Lecoufle, Maurice, 7,013, Cl. 68.000.

Strahle, Robert, to Carlton Rose Nurseries, Inc. Hybrid tea rose plant 2105-F Strahle cultivar. 6,896, 7-4-89, Cl. 20.000.

Sueptitz, Dieter, to Ball Pan Am Plant Co. Chrysanthemum plant named Antonio. 6,590, 2-7-89, Cl. 74.000.

Sueptitz, Dieter, to Ball Pan Am Plant Co. Chrysanthemum plant named Golden Antonio. 6,591, 2-7-89, Cl. 74.000.

Sueptitz, Dieter, to Ball Seed Company. Chrysanthemum plant named Golden Maximo. 6,879, 6-27-89, Cl. 74.000.

Sueptitz, Dieter, to Ball Seed Company. Chrysanthemum plant named Maximo. 7,042, 9-26-89, Cl. 74.000.

Suntory Limited: *See—*
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,899, Cl. 68.000.
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,914, Cl. 68.000.
  Tsuda, Shinzo; and Hirabayashi, Hiroshi, 6,915, Cl. 68.000.

Swiss Federal Research Station: *See—*
  Krapf, Bernhard, 6,689, Cl. 34.000.

Taylor, James W., to Ito Packing Co., Inc. Nectarine. 6,806, 5-16-89, Cl. 40.000.

Taylor, James W., to Ito Packing Co., Inc. Plum. 6,816, 5-23-89, Cl. 38.000.

Tostevin, David, to White Swan, Ltd. Geranium plant named Yellow Ribbons. 6,576, 1-31-89, Cl. 68.000.

Toyama, Thomas K., to Washington State University Research Foundation. Apricot tree PA 7005-8. 7,034, 9-19-89, Cl. 39.000.

Toyama, Thomas K., to Washington State University Research Foundation. Apricot tree PA 7221-1. 7,035, 9-19-89, Cl. 39.000.

Toyama, Thomas K., to Washington State University Research Foundation. Apricot tree PA 7201-1. 7,045, 10-10-89, Cl. 39.000.

Trees, Scott C., to PanAmerican Seed Company. Variety of geranium named Sabrina (Oglevee No. 126). 6,657, 3-7-89, Cl. 68.000.

Tsuchiya, Shichiro: *See—*
  Yoshida, Yoshio; Haniuda, Tadayuki; Tsuchiya, Shichiro; Sanada, Tetsuro; Masuda, Tetsuo; Bessho, Hideo; and McKenzie, Donald W., 6,519, Cl. 34.000.

Tsuda, Shinzo; and Hirabayashi, Hiroshi, to Suntory Limited; and Keisei Rose Nurseries, Inc. Petunia plant named 'Revolution Brilliantpink-Mini'. 6,899, 7-4-89, Cl. 68.000.

Tsuda, Shinzo; and Hirabayashi, Hiroshi, to Suntory Limited; and Keisei Rose Nurseries, Inc. Petunia plant 'Revolution Prilliantpink'. 6,914, 7-11-89, Cl. 68.000.

Tsuda, Shinzo; and Hirabayashi, Hiroshi, to Suntory Limited; and Keisei Rose Nurseries. Petunia plant 'Revolution Purplepink'. 6,915, 7-11-89, Cl. 68.000.

Turner, James K.: *See—*
  Meier, Virgil D.; Turner, James K.; and Mayer, Eugene W., 6,585, Cl. 88.000.

University of Arkansas: *See—*
  Moore, James N., 6,678, Cl. 46.000.
  Moore, James N., 6,679, Cl. 46.000.
  Moore, James N., 6,703, Cl. 47.000.

University of California, The Regents of the: *See—*
  Bringhurst, Royce S.; and Voth, Victor, 6,558, Cl. 49.000.
  Bringhurst, Royce S.; and Voth, Victor, 6,579, Cl. 49.000.
  Bringhurst, Royce S.; and Voth, Victor, 6,580, Cl. 49.000.
  Coffey, Michael D.; and Guillemet, Fred B., 6,627, Cl. 44.000.
  Hansche, Paul E., 6,671, Cl. 43.000.
  Hansche, Paul E., 6,676, Cl. 37.000.
  Hansche, Paul E., 6,912, Cl. 43.000.
  Hansche, Paul E., 6,976, Cl. 43.000.
  Voth, Victor; and Bringhurst, Royce S., 6,578, Cl. 48.000.

University of Minnesota, Regents of the: *See—*
  Anderson, Neil O.; Ascher, Peter D.; and Widmer, Richard E. 6,884, Cl. 77.000.

University of Nebraska, The Board of Regents of the: *See—*
  Paparozzi, Ellen T., 6,749, Cl. 20.000.

Vacherot, Michel: *See—*
  Lecoufle, Maurice; and Vacherot, Michel, 6,510, Cl. 68.000.

Valle, Jesse E. Apple tree 'Vallee Spur'. 6,702, 3-28-89, Cl. 35.000.

Van Staaveren B.V.: *See—*
  van Andel, Jacob, 6,625, Cl. 68.000.
  van Andel, Jacob, 6,688, Cl. 73.000.
  van Andel, Jacob, 6,784, Cl. 68.000.
  van Andel, Jacob, 6,785, Cl. 68.000.
  van Andel, Jacob, 6,786, Cl. 73.000.
  van Andel, Jacob, 6,865, Cl. 68.000.

van Andel, Jacob, to Van Staaveren B.V. Alstroemeria named Stalbron. 6,625, 2-21-89, Cl. 68.000.

van Andel, Jacob, to Van Staaveren B.V. Carnation named Starotin. 6,688, 3-21-89, Cl. 73.000.

van Andel, Jacob, to Van Staaveren, B.V. Alstroemeria variety 'Stalvir'. 6,784, 5-9-89, Cl. 68.000.

van Andel, Jacob, to Van Staaveren B.V. Alstroemeria named Stadutu. 6,785, 5-9-89, Cl. 68.000.

van Andel, Jacob, to Van Staaveren B.V. Carnation named Statoma. 6,786, 5-9-89, Cl. 73.000.

van Andel, Jacob, to Van Staaveren, B.V. Alstroemeria named Sturover. 6,865, 6-20-89, Cl. 68.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Yellow Ovaro. 6,581, 2-7-89, Cl. 78.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Lucido. 6,586, 2-7-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Dark Tan. 6,614, 2-21-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Dalvina. 6,771, 5-2-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Pico. 6,772, 5-2-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Dare. 6,773, 5-2-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Indio. 6,774, 5-2-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Dark Bronze Charm. 6,801, 5-16-89, Cl. 79.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Pomona. 6,802, 5-16-89, Cl. 80.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Yellow Kardo. 6,880, 6-27-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Oreo. 6,882, 6-27-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Fasto. 6,883, 6-27-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Moda. 6,886, 6-27-89, Cl. 78.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Hada. 6,887, 6-27-89, Cl. 80.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Apto. 6,900, 7-4-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Querno. 6,901, 7-4-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Caricia. 6,902, 7-4-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Paleto. 6,903, 7-4-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Nacido. 6,904, 7-4-89, Cl. 78.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Red Remarkable. 6,938, 7-18-89, Cl. 82.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Yellow Vero. 6,943, 7-25-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Tasca. 6,944, 7-25-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Yellow Tan. 6,945, 7-25-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Claro. 6,946, 7-25-89, Cl. 77.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Nimba. 6,947, 7-25-89, Cl. 77.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Fontana. 6,948, 7-25-89, Cl. 78.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Kory. 6,949, 7-25-89, Cl. 78.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Delano. 6,950, 7-25-89, Cl. 82.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Cream Vero. 6,954, 7-25-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Tolima. 6,988, 8-15-89, Cl. 77.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant name Hekla. 6,999, 8-22-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Coral Charm. 7,000, 8-22-89, Cl. 80.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Tanaga. 7,009, 8-29-89, Cl. 74.000.

VandenBerg, Cornelis P., to Yoder Brothers, Inc. Chrysanthemum plant named Nevado. 7,019, 9-5-89, Cl. 74.000.

VandenBerg, Cornelis P.: *See—*
  Duffett, William E.; and VandenBerg, Cornelis P., 6,613, Cl. 77.000.
  Mack, Grace H.; and VandenBerg, Cornelis P., 6,620, Cl. 77.000.
  Mack, Grace H.; and VandenBerg, Cornelis P., 6,621, Cl. 78.000.
  Mack, Grace H.; and VandenBerg, Cornelis P., 6,644, Cl. 74.000.
  Mack, Grace H.; and VandenBerg, Cornelis P., 6,888, Cl. 82.000.

VandenBerg, Cornelius P., to Yoder Brothers, Inc. Chrysanthemum plant named Fina. 6,881, 6-27-89, Cl. 74.000.

Vanderbilt University: *See—*
  Eubanks, Mary W., 6,906, Cl. 89.000.

van der Jagt, Martinus, to Chrysantheum Breeders Association NV. Chrysanthemum named "Repin". 6,545, 1-17-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Salmon Impala. 6,734, 4-11-89, Cl. 74.000.

Van Der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Green Peas. 6,735, 4-11-89, Cl. 77.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Klondike. 6,736, 4-11-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Byron. 6,738, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Golden Impala. 6,740, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Bridesmaid. 6,741, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Guilderland. 6,742, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Cream Impala. 6,743, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Rhino. 6,744, 4-18-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Apricot Moneymaker. 6,766, 5-2-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Riohacha. 6,780, 5-2-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Apricot Impala. 6,867, 6-20-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Pink Moneymaker. 6,868, 6-20-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer. Chrysanthemum plant named Wall Street. 6,869, 6-20-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Lilac Moneymaker. 6,870, 6-20-89, Cl. 74.000.

Van der Knaap, Jacques C. M., to Fides Beheer BV. Chrysanthemum plant named Pink Impala. 6,934, 7-18-89, Cl. 74.000.

Van der Knapp, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Broadway. 6,737, 4-11-89, Cl. 74.000.

Van der Knapp, Jacques C. M., to Fides Beheer B.V. Chrysanthemum plant named Topper. 6,739, 4-18-89, Cl. 74.000.

Van der Salm, Gerardus C. Lily plant named 'Cherished'. 6,528, 1-10-89, Cl. 68.000.

Van der Salm, Gerardus C. Lily plant: Crete. 6,798, 5-16-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Evening Glow. 6,609, 2-14-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Westland. 6,610, 2-14-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Sweetheart. 6,611, 2-14-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Sunny Way. 6,751, 4-25-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Cyprus. 6,752, 4-25-89, Cl. 68.000.

van Duyn, Cornelis, to Groot Associates II. Alstroemeria named Cordu Joy. 6,757, 4-25-89, Cl. 68.000.

van Duyn, Cornelius, to Groot Associates II. Alstroemeria named Elsbeth. 6,750, 4-25-89, Cl. 68.000.

van Wingerden, Jerry, to California Plant Company. Chrysanthemum named 'Hello Dolly'. 6,512, 1-3-89, Cl. 76.000.

Van Wingerden, Rene, to California Plant Company. Chrysanthemum named California Golddust. 6,754, 4-25-89, Cl. 74.000.

Van Wingerden, Rene, to California Plant Company. Chrysanthemum named California Moneymaker. 6,851, 6-13-89, Cl. 74.000.

van Zelderen, Gerard J. Alstroemeria named Zelblanca. 6,661, 3-14-89, Cl. 68.000.

van Zelderen, Gerard J. Alstroemeria named Zelpado. 6,866, 6-20-89, Cl. 68.000.

Voth, Victor; and Bringhurst, Royce S., to University of California, Regents of the. Strawberry plant called 'Oso Grande'. 6,578, 1-31-89, Cl. 48.000.

Voth, Victor: *See—*
  Bringhurst, Royce S.; and Voth, Victor, 6,558, Cl. 49.000.
  Bringhurst, Royce S.; and Voth, Victor, 6,579, Cl. 49.000.
  Bringhurst, Royce S.; and Voth, Victor, 6,580, Cl. 49.000.

Wallace, Robert D. Heritage chestnut. 6,674, 3-14-89, Cl. 30.000.

Wallace, Robert D. Carolina chestnut. 7,041, 9-26-89, Cl. 30.000.

Walter, John C.: *See—*
  Benardella, Frank A., 6,783, Cl. 8.000.

Wandell, Willet N. Sterling silver linden. 6,511, 1-3-89, Cl. 51.000.

Wandell, Willet N. Thornless Honeylocust. 6,709, 4-4-89, Cl. 52.000.

Wandell, Willet N. Littleleaf linden named 'Norbert'. 6,745, 4-18-89, Cl. 51.000.

Wandell, Willet N. English oak named 'Wandell'. 6,746, 4-18-89, Cl. 51.000.

Wandell, Willet N. Red maple named Wandell. 6,993, 8-22-89, Cl. 51.000.

Wandell, Willet N. *Pyrus betulaefolia* 'Southworth'. 7,033, 9-19-89, Cl. 36.000.

Wandell, Willet N. Green ash named 'Wasky'. 7,036, 9-19-89, Cl. 51.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacwhim. 6,514, 1-3-89, Cl. 8.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacare. 6,515, 1-3-89, Cl. 23.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacute. 6,518, 1-10-89, Cl. 9.000.

Warriner, William A., to Jackson & Perkins Co. Rose plant Jacris. 6,577, 1-31-89, Cl. 1.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacmey. 6,612, 2-14-89, Cl. 15.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jachop. 6,65[illegible], 3-7-89, Cl. 18.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacglow. 6,664, 3-14-89, Cl. 18.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacrem. 6,665, 3-14-89, Cl. 10.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacsnow. 6,666, 3-14-89, Cl. 1.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jaccob. 6,667, 3-14-89, Cl. 17.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacbor. 6,668, 3-14-89, Cl. 17.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacbed. 6,693, 3-28-89, Cl. 10.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacient. 6,725, 4-11-89, Cl. 18.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacrick. 6,795, 5-9-89, Cl. 10.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacwhif. 6,911, 7-11-89, Cl. 23.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacstop. 6,971, 8-8-89, Cl. 20.000.

Warriner, William A., to Jackson & Perkins Company. Rose plant Jacloy. 6,972, 8-8-89, Cl. 24.000.

Washington State University Research Foundation: *See—*
  Toyama, Thomas K., 7,034, Cl. 39.000.
  Toyama, Thomas K., 7,035, Cl. 39.000.
  Toyama, Thomas K., 7,045, Cl. 39.000.

Weeks, O. L. Rose plant named 'Bacardi'. 6,862, 6-20-89, Cl. 11.000.

Weeks Wholesale Rose Grower, Inc.: *See—*
  Fonda, Henry; and Desamero, Luis, 6,809, Cl. 8.000.
  Harkness, John L., 6,953, Cl. 24.000.

Weeks Wholesale Rose Growers, Inc.: *See—*
  Olesen, Pernille; and Olesen, Mogens N., 6,939, Cl. 11.000.

Weyerhaeuser Company: *See—*
  Barr, William C., 6,616, Cl. 54.000.
  Brown, B. Frank, 6,842, Cl. 88.000.
  Brown, B. Frank, 6,857, Cl. 88.000.
  Langmaid, Martin C., 6,978, Cl. 65.000.

White Swan, Ltd.: *See—*
  Tostevin, David, 6,576, Cl. 68.000.

Whitefield Corporation: *See—*
  Herrera, Camilo, 6,989, Cl. 82.000.

Whiting, Hubert F. Zoysia grass plant (ZT-4). 6,516, 1-3-89, Cl. 88.000.

Whiting, Hubert F. Cynodon dactylon grass plant CT-2. 6,841, 6-6-89, Cl. 88.000.

Whiting, Hubert F. Zoysia Japonica grass plant ZT-11. 7,074, 12-12-89, Cl. 88.000.
Widmer, Richard E.: *See—*
Anderson, Neil O.; Ascher, Peter D.; and Widmer, Richard E., 6,884, Cl. 77.000.
Wiesmoor-Gartnerie und Baumschule GmbH: *See—*
Finger, Herman, 6,649, Cl. 68.000.
Finger, Hermann, 6,648, Cl. 68.000.
Finger, Hermann, 6,650, Cl. 68.000.
Finger, Hermann, 6,651, Cl. 68.000.
Finger, Hermann, 6,878, Cl. 68.000.
Wiles, Linda S., to Geo. W. Park Seed Co., Inc. Achimenes plant named Pink Rose. 6,633, 2-28-89, Cl. 68.000.
Wiles, Linda S., to Geo. W. Park Seed Co., Inc. Achimenes plant named White Rose. 6,634, 2-28-89, Cl. 68.000.
Wiles, Linda S., to Geo. W. Park Seed Co., Inc. Achimenes plant named Picotee Rose. 6,637, 2-28-89, Cl. 68.000.
Wilkins, Jan: *See—*
Wilkins, Marcus J.; and Wilkins, Jan, 6,815, Cl. 33.000.
Wilkins, Marcus J.; and Wilkins, Jan. Kiwifruit plant. 6,815, 5-23-89, Cl. 33.000.
Williams, Ernest D. Miniature rose plant/Minafco. 6,546, 1-17-89, Cl. 7.000.
Williams, Ernest D. Miniature rose plant/Minaico. 6,547, 1-17-89, Cl. 10.000.
Williams, Ernest D. Miniature rose plant/Minadco. 6,673, 3-14-89, Cl. 7.000.
Williams, Ernest D. Miniature rose plant/Minaico. 6,893, 7-4-89, Cl. 7.000.
Williams, Ernest D. Miniature rose plant/Minajco. 6,894, 7-4-89, Cl. 7.000.
Williams, J. Benjamin. Rose plant. 6,596, 2-7-89, Cl. 4.000.
Williams, J. Benjamin, to NPI. Peppermint Candy rose plant. 6,819, 5-30-89, Cl. 7.000.
Williams, J. Benjamin, to NPI. Orange marmalade rose plant. 6,820, 5-30-89, Cl. 7.000.
Williams, J. Benjamin, to NPI. Little Starburst rose plant. 6,821, 5-30-89, Cl. 7.000.
Winchel, Joe, to Co-Operative Rose Growers, Inc. Rose plant. 6,705, 3-28-89, Cl. 11.000.
Winchel, Joseph, to Burks, Larry J. Hybrid tea rose plant named Buram. 7,052, 10-31-89, Cl. 21.000.
Winner, Blair L., to Denholm Seeds. Variety of geranium named Mandarin. 6,593, 2-7-89, Cl. 68.000.
Winner, Blair L., to Denholm Seeds. Variety of geranium named Carnival. 6,636, 2-28-89, Cl. 68.000.
Winner, Blair L., to Denholm Seeds. Variety of geranium named 67. 6,652, 3-7-89, Cl. 68.000.
Winterbourn, Barry M.: *See—*
Winterbourn, Veronica L.; and Winterbourn, Barry M., 7,030, Cl. 88.000.
Winterbourn, Veronica L.; and Winterbourn, Barry M. Philodendron Winterbourn. 7,030, 9-12-89, Cl. 88.000.
Wood, Franklin H., to Maftech North, Ruakura Agricultural Research Centre. Blueberry—variety Nui. 6,699, 3-28-89, Cl. 33.000.
Wood, Franklin H., to Maftech North, Ruakura Agricultural Research Centre. Blueberry-variety Reka. 6,700, 3-28-89, Cl. 33.000.
Wood, Franklin H., to Maftech North, Ruakura Agricultural Research Centre. Blueberry — variety Puru. 6,701, 3-28-89, Cl. 33.000.
Wuelfinghoff Freesia B.V.: *See—*
Goemans, Frank, 7,077, Cl. 68.000.
Goemans, Frank, 7,078, Cl. 68.000.
Goemans, Frank, 7,079, Cl. 68.000.
Yamaguchi, Masami: *See—*
Nishida, Teruo; Yoshida, Masao; Kyotani, Hidetoshi; Yamaguchi, Masami; and Kozono, Teruo, 6,540, Cl. 42.000.
Yamate, Yoshihiko, to Chrysanthemum Breeders Association, N.V. Chrysanthemum named Regatta. 6,826, 5-30-89, Cl. 74.000.
Yoder Brothers: *See—*
Duffett, William E., 6,885, Cl. 78.000.
Yoder Brothers, Inc.: *See—*
Duffett, William E.; and VandenBerg, Cornelis P., 6,613, Cl. 77.000.
Duffett, William E., 6,615, Cl. 74.000.
Duffett, William E., 6,889, Cl. 82.000.
Duffett, William E., 6,905, Cl. 79.000.
Fiala, John L., 6,942, Cl. 34.000.
Moser, Frank C., 6,608, Cl. 54.000.
Moser, Frank C., 6,799, Cl. 54.000.
Moser, Frank C., 6,941, Cl. 54.000.
Motzkau, Henry W., 6,607, Cl. 56.000.
VandenBerg, Cornelis P., 6,581, Cl. 78.000.
VandenBerg, Cornelis P., 6,586, Cl. 74.000.
VandenBerg, Cornelis P., 6,614, Cl. 74.000.
VandenBerg, Cornelis P., 6,771, Cl. 74.000.
VandenBerg, Cornelis P., 6,772, Cl. 74.000.
VandenBerg, Cornelis P., 6,773, Cl. 74.000.
VandenBerg, Cornelis P., 6,774, Cl. 74.000.
VandenBerg, Cornelis P., 6,801, Cl. 79.000.
VandenBerg, Cornelis P., 6,802, Cl. 80.000.
VandenBerg, Cornelis P., 6,880, Cl. 74.000.
VandenBerg, Cornelis P., 6,882, Cl. 74.000.
VandenBerg, Cornelis P., 6,883, Cl. 74.000.
VandenBerg, Cornelis P., 6,886, Cl. 78.000.
VandenBerg, Cornelis P., 6,887, Cl. 80.000.
VandenBerg, Cornelis P., 6,900, Cl. 74.000.
VandenBerg, Cornelis P., 6,901, Cl. 74.000.
VandenBerg, Cornelis P., 6,902, Cl. 74.000.
VandenBerg, Cornelis P., 6,903, Cl. 74.000.
VandenBerg, Cornelis P., 6,904, Cl. 78.000.
VandenBerg, Cornelis P., 6,938, Cl. 82.000.
VandenBerg, Cornelis P., 6,943, Cl. 74.000.
VandenBerg, Cornelis P., 6,944, Cl. 74.000.
VandenBerg, Cornelis P., 6,945, Cl. 74.000.
VandenBerg, Cornelis P., 6,946, Cl. 77.000.
VandenBerg, Cornelis P., 6,947, Cl. 77.000.
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- McDowell, Vaughn P., to United States of America, Navy. Serial data word processing arrangement. H714, 11-7-89, Cl. 364-900.000.
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- Smith, Dale L.; Greenwood, Lawrence R.; and Loomis, Benny A., to United States of America, Energy. Apparatus and method for simulating material damage from a fusion reactor. H599, 3-7-89, Cl. 376-100.000.
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- Tallent, Othar K.; Dodson, Karen E.; and McDaniel, Earl W., to United States of America, Energy. Method and composition for immobilization of waste in cement-based materials. H660, 8-1-89, Cl. 252-628.000.
- Tallent, Othar K.: *See*—
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- Tanaka, Haruhiko; and Kaneko, Katutoshi, to Shell Oil Company. Olefin polymer composition and laminated structure including said composition as adhesive layer. H568, 1-3-89, Cl. 525-71.000.
- Tanaka, Mitzutoshi; Nagatomo, Shigeru; Katsuyama, Harumi; and Kawasaki, Kazuya, to Fuji Photo Film Co., Ltd. Whole blood analytical element and method of analyzing whole blood using the same. H600, 3-7-89, Cl. 422-56.000.
- Tate, John M.: *See*—
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